

Office of the County Auditor
Analysis of Draft Legislation

Council Resolution No. 108-2020

Introduced: July 6, 2020
Auditor: Maya Cameron

Fiscal Impact:

There is no fiscal impact of Council Resolution 108-2020 to the County.

Per the Department of Public Works, CR108-2020 was introduced at the request of a developer and is a part of a commercial redevelopment in which there is no expected cost to the county. The developer would be responsible for all costs including advertisement and abandonment fees.

When the easement and right of way was acquired, the first easement (in 1968) had a consideration of \$1.00. The second easement (in 1989) was acquired with a consideration of \$5.00.

Purpose:

The purpose of this legislation is to:

- Declare that portions of a Water, Sewer, and Utility Easement and of a Right of Way Easement conveyed to Howard County are no longer needed by the County for public purposes;
- Authorize the County Executive to terminate the easement interests in the property of the fee simple owner, waiving the advertising and bidding requirements of Section 4.201 of the Howard County Code in order to convey the easement interest to the Normandy Venture Limited Partnership; and
- Provide that the County Executive is not bound to terminate the easement interests if he finds that the County may have a public use for it.

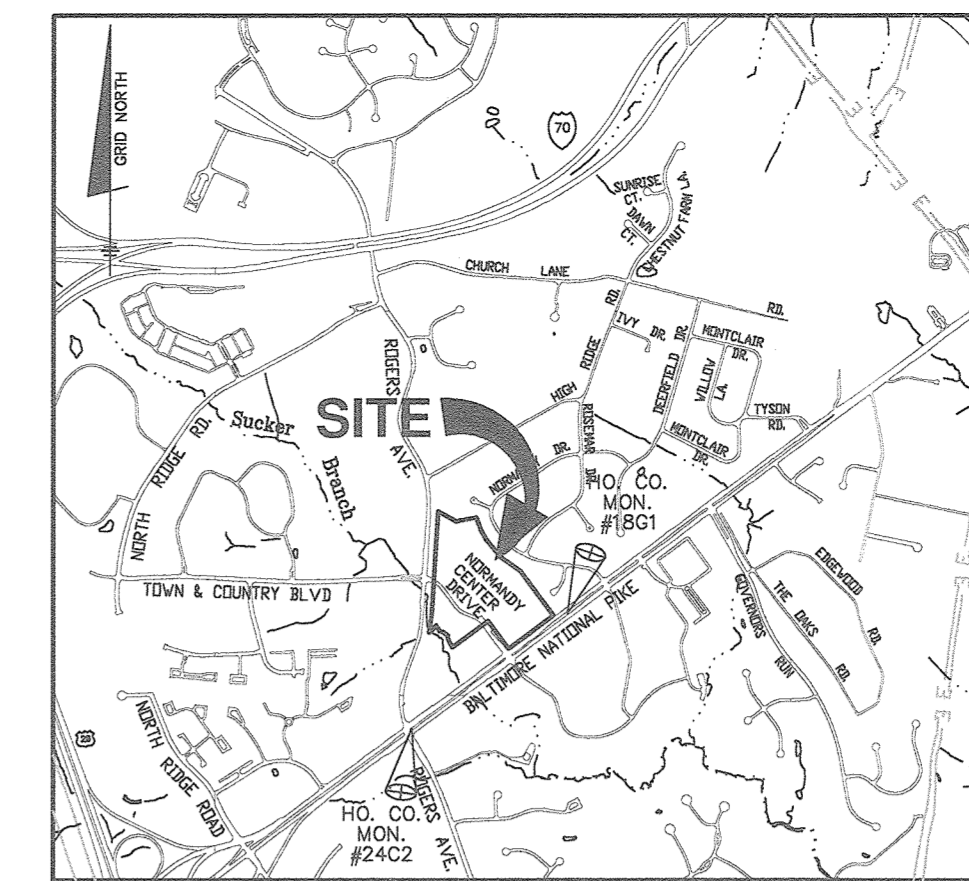
Other Comments:

Exhibit A (attached) is the approved contract drawing #5095 showing the location of the new water main. This plan also shows the location of the old sewer main.

The old waterline was located adjacent to the sewer main within a 30-foot-wide combined Public Sewer and Water Easement. The new water main is located within its own public 20 foot Water Easement. The reduction is the portion of the easement that has been requested to be released.

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUF./SUPPLIER
8" PVC C900 DR-18 WATER	709 LF			
FIRE HYDRANTS (W/TEE AND VALVE)	3 EA			
CONTINUITY TEST STATIONS	3 EA			
8"x6" TEE	1 EA			
6" PVC WHC	10 LF			
2" COPPER WHC	10 LF			
4" PVC SHC	40 LF			
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:				

NORMANDY SHOPPING CENTER PARCEL 'A' PUBLIC WATER AND SEWER CONTRACT NO. 44-5095-D



VICINITY MAP
SCALE: 1" = 2000'

ADC MAP: 4816
GRID: A5

Exhibit A

GENERAL NOTES

PART I

- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED IN JANUARY, 2008 BY BENCHMARK ENGINEERING, INC.
- HORIZONTAL AND VERTICAL SURVEY CONTROLS:
THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 1861 AND NO. 24C2.
- ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE 0012 AND 16E1.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED TO THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- FOR DETAILS NOT SHOWN ON THE DRAWING, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL. AT THE LOCATIONS OF THE TEST PITS, A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- 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.....	410-785-1300
MSS UTILITY.....	1-800-257-7777
STATE HIGHWAY ADMINISTRATION.....	410-531-5533
VERIZON.....	800-743-0333

- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(j) OF THE HOWARD COUNTY CODE.

PART II WATER

- ALL WATER MAINS TO BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL DIP AND PVC WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.
- 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 TO BE INSTALLED UNDER THIS CONTRACT. ALL PVC PIPE SHALL CONTAIN MARKINGS TO ALLOW CROSS REFERENCING OF THE PIPE SUPPLIED TO THE TEST RECORDS RECEIVED.
- UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS SACRIFICIAL ANODES SHALL BE INSTALLED ON ALL VALVES AND METALLIC FITTINGS USED WITH PVC WATER MAINS IN ACCORDANCE WITH VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, SEVENTEEN (17) POUND MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS INCLUDING RESTRAINT AND HARNESSSES. TWELVE (12) POUND ZINC ANODES SHALL BE INSTALLED ON ALL STAINLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL "TEES" USED WITH PVC MAINS SHALL BE DUCTILE IRON.
- PROPER ASSEMBLY OF GASKETED PVC PIPE JOINTS: THE MANUFACTURER'S INSERTION LINE OF GASKETED PVC PIPE JOINTS INDICATES THE MAXIMUM DEPTH OF INSERTION OF THE SPIGOT INTO THE BELL. AFTER ASSEMBLY OF THE JOINT, THE INSERTION LINE SHALL REMAIN VISIBLE. DUAL INSERTION LINES ON GASKETED PVC PIPE INDICATE THE MAXIMUM AND MINIMUM DEPTH OF INSERTION OF THE SPIGOT INTO THE BELL. THE CONTRACTOR SHALL NOT OVER INSERT OR OVER HOME THE SPIGOT INTO THE BELL OF PVC PIPE.
- ALL CHANGES IN HORIZONTAL AND VERTICAL DIRECTION OF PVC WATER PIPE SHALL BE MADE WITH STANDARD BENDS, 3-DEGREE SWEEPS OR HIGH DEFLECTION (HD) COUPLINGS. NO BENDING OF THE PIPE OR DEFLECTING OF PVC PIPE JOINTS IS PERMITTED, WHERE HIGH DEFLECTION COUPLINGS OR 5-DEGREE SWEEPS ARE PERMITTED, THE CONTRACTOR SHALL PROVIDE ONE FULL PIPE LENGTH (20'-FOOT LONG) ON EITHER SIDE OF THE HIGH DEFLECTION COUPLING OR 5-DEGREE SWEEP. THE CONTRACTOR SHALL USE A VIBRATORY PLATE COMPACTOR OR OTHER APPROVED MEANS TO THOROUGHLY COMPACT THE #57 STONE ON BOTH SIDES OF THE HIGH DEFLECTION COUPLING OR 5-DEGREE SWEEP, TAKING CARE NOT TO USE COMPACTION EQUIPMENT DIRECTLY OVER THE FITTING.

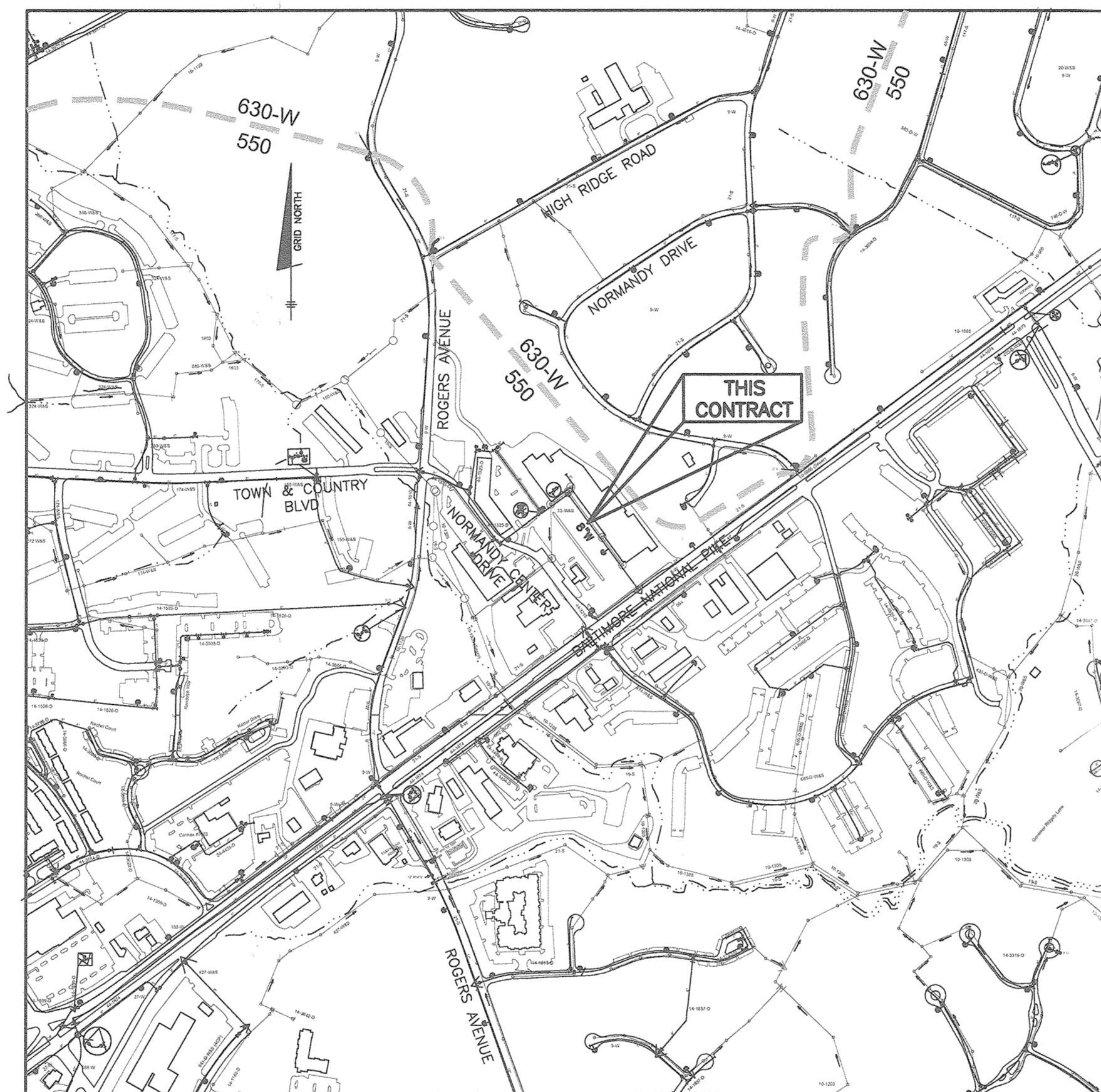
PVC HIGH DEFLECTION COUPLINGS SHALL BE LIMITED TO A TOTAL DEFLECTION OF 3-DEGREES (1 1/2 DEGREE ON EITHER END OF THE COUPLING), SHALL BE RATED FOR A MINIMUM 200 PSI MEETING THE REQUIREMENTS OF AWWA C900, SHALL HAVE A MINIMUM LAY LENGTH OF 9-INCHES AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTAINTED PVC HIGH DEFLECTION (HD) STOP COUPLINGS OR EQUAL.

5-DEGREE SWEEPS SHALL BE BELL BY SPIGOT, RATED FOR A MINIMUM 225 PSF, DR18 MEETING THE REQUIREMENTS OF AWWA C900 AND SHALL BE MULTI FITTINGS (PEX) BLUE BRUTE DR18 OR EQUAL.

WHEN PVC HIGH DEFLECTION COUPLINGS OR PVC 5-DEGREE SWEEPS ARE USED TO FACILITATE CHANGES IN HORIZONTAL OR VERTICAL ALIGNMENTS OF AWWA C-900 PVC PIPELINES, THE CONTRACTOR SHALL INSTALL DEVICES FOR THE PREVENTION OF OVER-INSERTION OF THE PVC PIPE SPIGOTS OR PLAN ENDS INTO THE PUSH ON BELL JOINT ON BOTH SIDES OF THE HIGH DEFLECTION COUPLINGS AND 5 DEGREE SWEEPS. BELL STOPS SHALL BE PLACED AT THE PROPER INSERTION LINE FOR THE FITTING. THE BELL STOP SHALL BE MANUFACTURED OF DUCTILE IRON AND INCORPORATE AN EXPANSION RETENTION SPRING TO ALLOW FOR PIPE EXPANSION AND CONTRACTION. THE BELL STOPS SHALL BE SERIES 5000 MEGA-STOP, AS MANUFACTURED BY EBAA IRON, INC. OR APPROVED EQUAL.

PART III SEWER

- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.



VICINITY MAP
SCALE: 1" = 600'

REFERENCE: F-19-066

TYPE OF BUILDING:	COMMERCIAL
NUMBER OF UNITS:	N/A
NUMBER OF SHC'S:	4
NUMBER OF WHC'S:	2
DRAINAGE AREA:	PATUXENT RIVER
WATER ZONE:	550
TEST PRESSURE:	199
TEST GRADIENT:	827

LEGEND

— G — G —	EXIST. GAS
— OHP —	EXIST. OVERHEAD LINES
— W — W —	EXIST. WATER MAIN
— S — S —	EXIST. SEWER MAIN
— — — —	EXIST. STORM DRAIN
— — — —	PROP. STORM DRAIN
— — — —	PROP. SEWER MAIN
— — — —	PROP. SEWER MANHOLE
— — — —	PROP. TERMINAL MANHOLE
— — — —	PROP. SEWER HOUSE CONNECTIONS
— — — —	PROP. WATER MAIN
— — — —	PROP. FIRE HYDRANT
— — — —	PROP. VALVE
— — — —	PROP. PLUG & BUTTRISS
— — — —	PROP. WATER HOUSE CONNECTION

SHEET INDEX

NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILE
3	SEDIMENT AND EROSION CONTROL PLAN

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John P. Robertson 7/24/19
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS.

THE NORMANDY VENTURE LIMITED PARTNERSHIP
3820 CHAMPIONSHIP DRIVE
GLENWOOD, MARYLAND 21738
410-370-8529

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 7-19-19
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature] 8-1-19
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 315
ELLIOTT CITY, MARYLAND 21043
(P) 410-465-8105 & (F) 410-465-8844
WWW.BE-ENGINERING.COM

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer or land surveyor under the laws of the State of Maryland, License No. 22390, Certificate No. 61-20-2021.

[Signature] 7-2-19
DATE

DESIGN: DBT					
DRAFT: DBT					
CHK: CAM					
DATE: 6/2019	BY	NO.	REVISIONS	DATE	

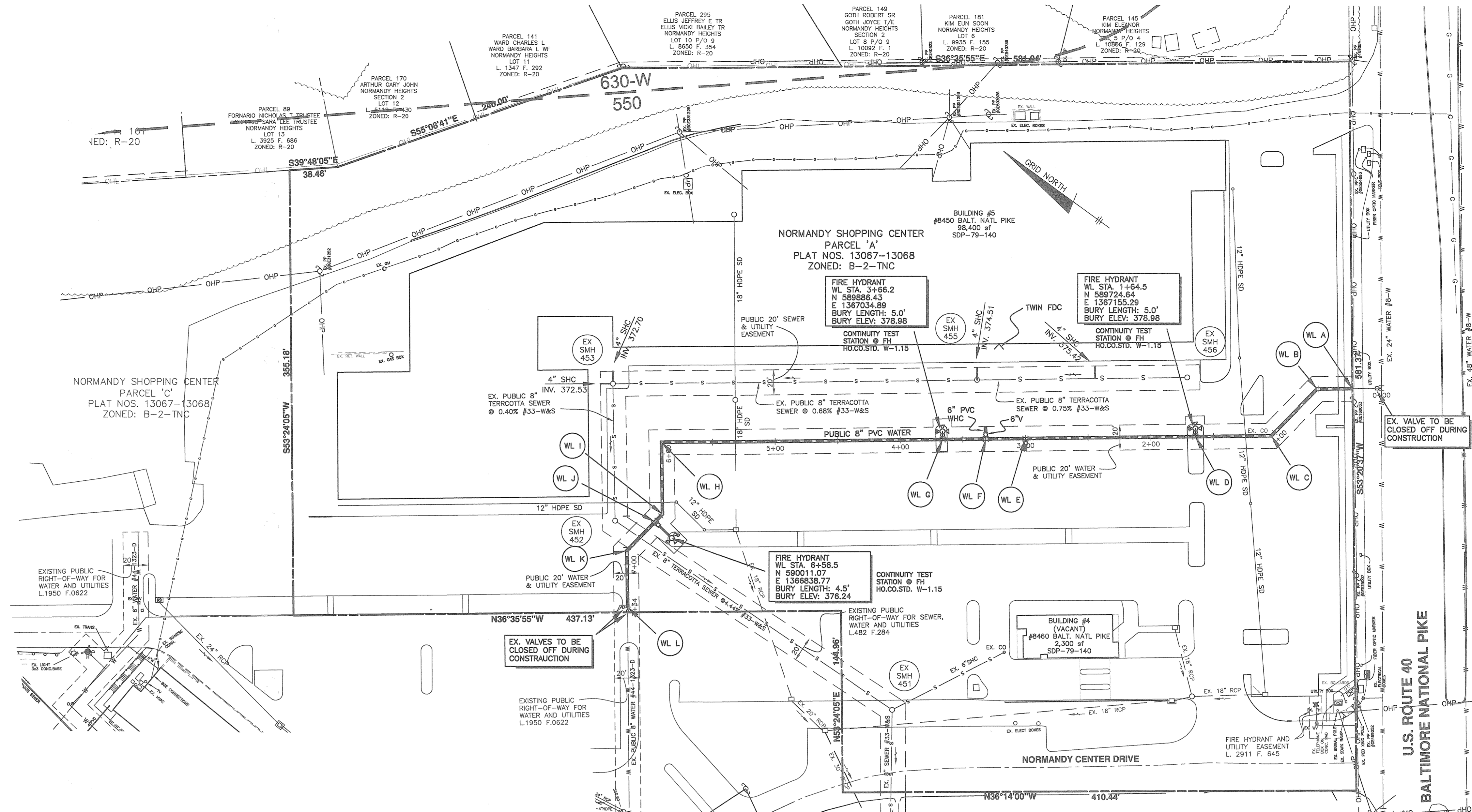
TITLE SHEET

600 SCALE MAP NO. BLOCK:

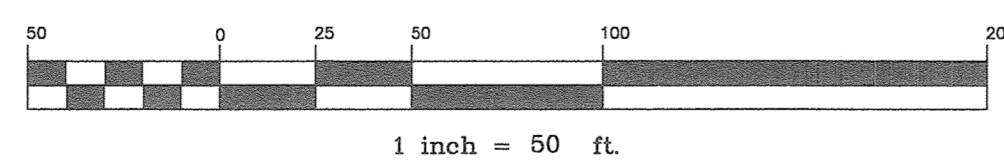
NORMANDY SHOPPING CENTER
PARCEL 'A'
PUBLIC WATER LINE

TAX MAP: 18 - GRID: 19 - PARCEL: 75 - ZONED: B-2-TNC - ELECTION DISTRICT 2
CONTRACT NO. 44-5095-D

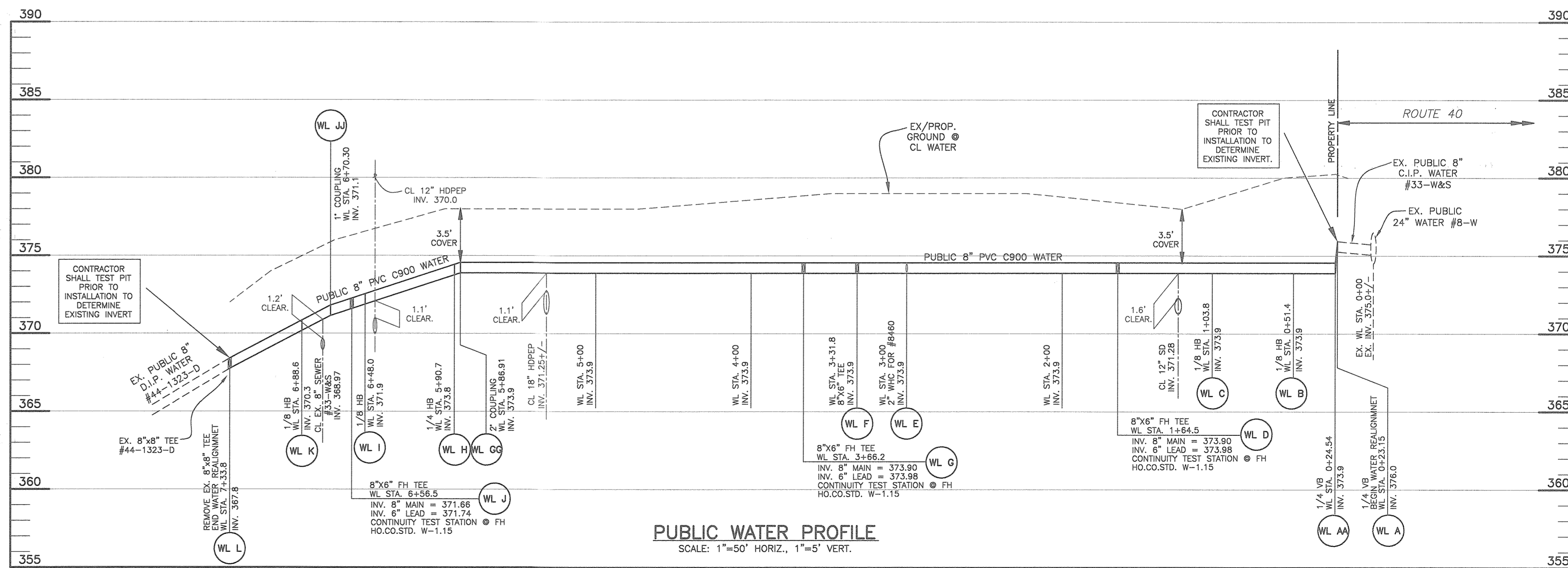
SCALE: AS SHOWN
SHEET NO. 1 OF 3



Water Fittings Chart					
Identification	Fitting	WL Station	Location (NAD '83)		
			Northing	Easting	8" Main Elevation
WL A	1/4 VB - Begin Water Realignment	0+23.15	589641.77	1367255.00	376.0
WL AA	1/4 VB	0+24.54	589664.66	1367236.74	373.9
WL B	1/8 HB	0+51.4	589664.46	1367238.12	373.9
WL C	1/8 HB	1+03.8	589672.67	1367182.15	373.9
WL D	8"x6" FH Tee	1+64.5	589720.77	1367150.09	373.9
WL E	2" WHC for #8460	3+00.0	589829.48	1367069.19	373.9
WL F	8"x6" Tee for WHC for #8450	3+31.8	589854.96	1367050.23	373.9
WL G	8"x6" FH Tee	3+66.2	589882.56	1367029.69	373.9
WL GG	2 Degree Coupling	5+86.91	590059.65	1366897.90	373.9
WL H	1/4 HB	5+90.7	590062.68	1366895.65	373.8
WL I	1/8 HB	6+48.0	590028.23	1366849.89	371.9
WL J	8"x6" FH Tee	6+56.5	590029.47	1366841.47	371.66
WL JJ	1 Degree Coupling	6+70.30	590031.47	1366827.78	371.1
WL K	1/8 HB	6+88.6	590034.13	1366809.64	370.3
WL L	End Water Replacement	7+33.8	590007.02	1366773.53	367.8



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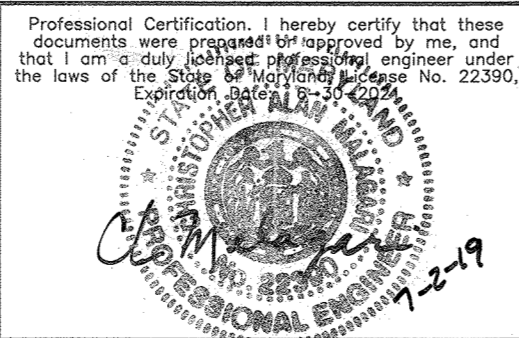


PUBLIC WATER PROFILE
 SCALE: 1"=50' HORIZ., 1"=5' VERT.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND

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DESIGN: DBT	BY	NO.	REVISIONS	DATE
DRAFT: DBT				
CHK: CAM				
DATE: 7/2019				

PLAN AND PROFILE

NORMANDY SHOPPING CENTER
 PARCEL 'A'
 PUBLIC WATER LINE
 TAX MAP: 18 - GRID: 19 - PARCEL: 75 - ZONED: B-2-TNC - ELECTION DISTRICT 2
CONTRACT NO. 44-5095-D

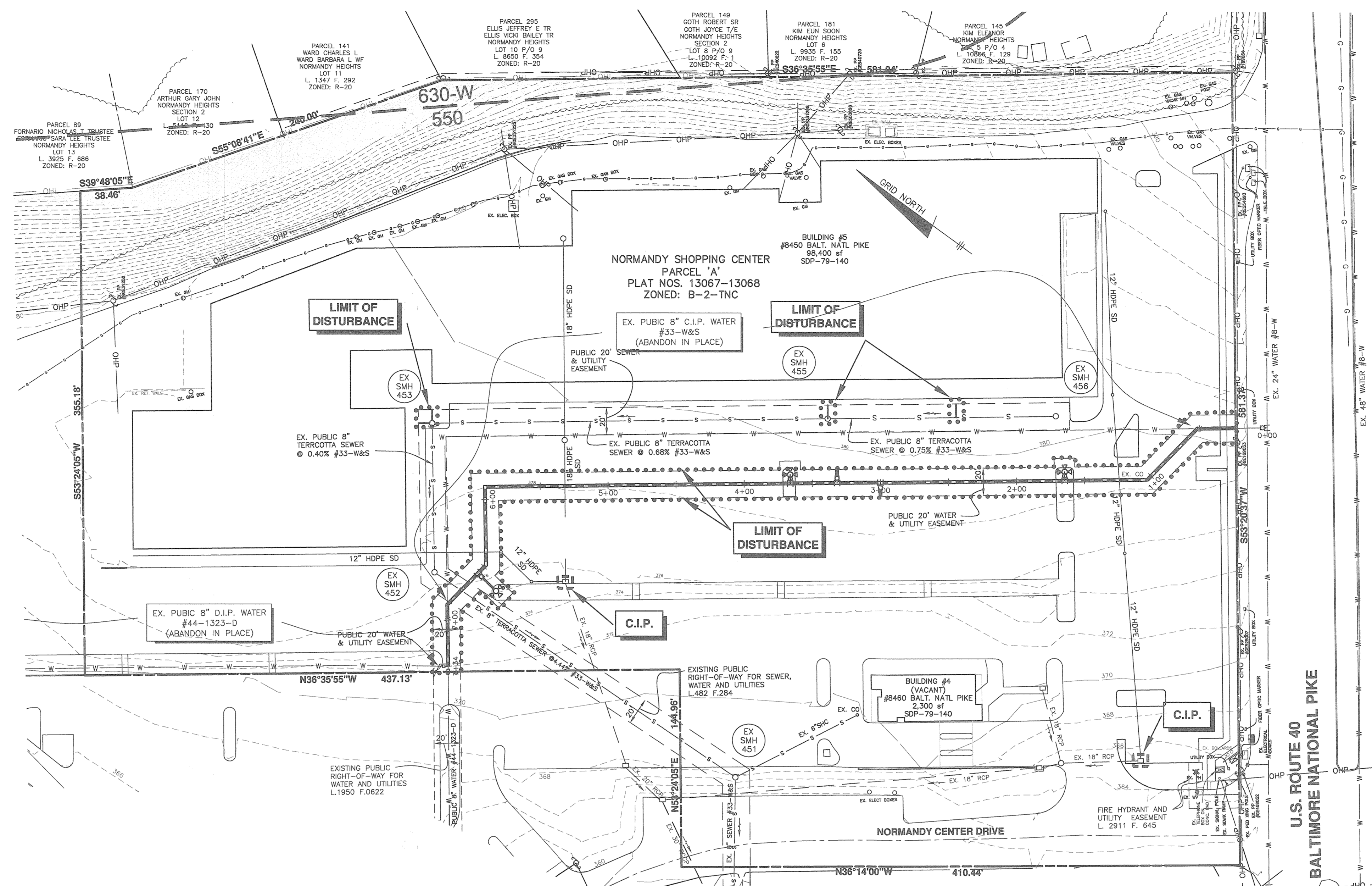
SCALE:
 AS SHOWN

SHEET NO.
 2 OF 3

HOWARD SOIL CONSERVATION DISTRICT (HSCD)
STANDARD SEDIMENT CONTROL NOTES

- A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-3133-1855 after the future LOD and protected areas are marked clearly in the field. A minimum of 48 hours notice to CID must be given at the following locations:
 - Prior to the start of earth disturbance.
 - Upon completion of the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading.
 - Prior to the start of another phase of construction or opening of another grading unit.
 - Prior to the removal or modification of sediment control practices.
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization is required within three (3) calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes steeper than 3 horizontal to 1 vertical (3:1); and seven (7) calendar days as to all other disturbed areas on the project site except for those areas under active grading.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for topsoil (Sec. B-4-2), permanent seeding (Sec. B-4-5), temporary seeding (Sec. B-4-4) and mulching (Sec. B-4-3). Temporary stabilization with mulch alone can only be applied between the fall and spring seeding dates if the ground is frozen. Incremental stabilization (Sec. B-4-1) specifications shall be enforced in areas with >15' of cut and/or fill. Stockpiles (Sec. B-4-8) in excess of 20 feet must be banked with stable outlet. All concentrated flow, steep slope, and highly erodible areas shall receive soil stabilization matting (Sec. B-4-6).
- All sediment control structures are to remain in place, and are to be maintained in operative condition until permission for their removal has been obtained from the CID.
- Site Analysis:

Total Area of Site:	9.55 Acres
Area Disturbed:	0.42 Acres
Area to be roofed or paved:	NA Acres
Area to be vegetatively stabilized:	NA Acres
Total cut:	NA Cu Yds
Total fill:	NA Cu Yds
Off-site waste/borrow area location:	NA
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the CID. The site and all controls shall be inspected by the contractor weekly, and the next day after each rain event. A written report by the contractor, made available upon request, is part of every inspection and should include:
 - Inspection date
 - Inspection type (routine, pre-storm event, during rain event)
 - Name and title of inspector
 - Weather information (current conditions as well as time and amount of last recorded precipitation)
 - Brief description of project's status (e.g. percent complete) and/or current activities
 - Evidence of sediment discharges
 - Identification of plan deficiencies
 - Identification of sediment controls that require maintenance
 - Identification of missing or improperly installed sediment controls
 - Compliance status regarding the sequence of construction and stabilization requirements
 - Photographs
 - Monitoring/sampling
 - Maintenance and/or corrective action performed
 - Other inspection items as required by the General Permit for Stormwater Associated with Construction Activities (NPDES, MDE).
- Trenches for the construction of utilities is limited to three pipe lengths or that which can and shall be back filled and stabilized by the end of each work day, whichever is shorter.
- Any major changes or revisions to the plan or sequence of construction must be reviewed and approved by the HSCD prior to proceeding with construction. Minor revisions may be allowed by the CID per the list of HSCD-approved field changes.
- Disturbances shall not occur outside the L.O.D. A project is to be sequenced so that grading activities begin on one grading unit (maximum acreage of 20 ac. per grading unit) at a time. Work may proceed to a subsequent grading unit when at least 50 percent of the disturbed area in the preceding grading unit has been stabilized and approved by the CID. Unless otherwise specified and approved by the HSCD, no more than 20 acres cumulatively may be disturbed at a given time.
- Wash water from any equipment, vehicles, wheels, pavement, and other sources must be treated in a sediment basin or other approved washout structure.
- Topsoil shall be stockpiled and preserved on-site for redistribution onto final grade.
- All silt fence and super silt fence shall be placed on-the-contour, and be imbricated at 25' minimum intervals, with lower ends curled uphill by 2' in elevation.
- Stream channels must not be disturbed during the following restricted time periods (inclusive):
 - Use I and IP March 1 - June 15
 - Use II and IIP October 1 - April 30
 - Use IV March 1 - May 31
- A copy of this plan, the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and associated permits shall be on-site and available when the site is active.



THIS PLAN IS FOR SEDIMENT AND EROSION CONTROL ONLY

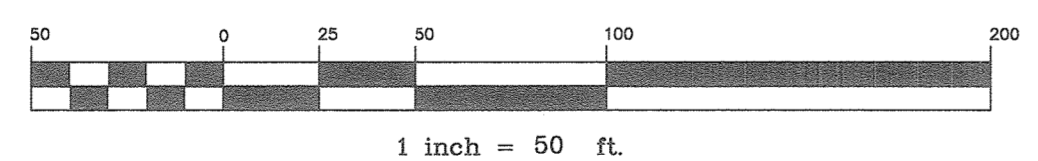
This plan meets the requirements for the Howard Soil Conservation District Standard Erosion and Sediment Control Plan for Minor Earth Disturbances under 30,000 SF.

SEQUENCE OF CONSTRUCTION

NOTIFY SEDIMENT CONTROL DIVISION 48 HOURS PRIOR TO START OF WORK

PHASE 1 - PUBLIC ROAD IMPROVEMENTS

- Obtain grading permit. (day 1)
- Hold on-site pre-construction meeting. (day 2)
- Install inlet protection. (day 3)
- Upon approval from the Howard County sediment control inspector, begin water line replacement. Close valves necessary for the work as indicated on the plans. Do not construct/disturb more than can be stabilized at the end of each day. (day 4-21).
- Once replacement is complete ensure area has been patched with proper asphalt paving section. (day 22)



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8480 BALTIMORE NATIONAL PIKE SUITE 319
ELLCOTT CITY, MARYLAND 21043
(P) 410-465-8105 & (F) 410-465-8844
WWW.BE-ENGINEERING.COM

Professional Certification. I hereby certify that these documents were prepared, approved by me, and that I am a duly Licensed Professional Engineer under the laws of the State of Maryland, License No. 22390.
Al. Malin
7-2-19

DESIGN:	DBT	BY	NO.	REVISIONS	DATE
DRAFT:	DBT				
CHK:	CAM				
DATE:	7/2019				

SEDIMENT AND EROSION CONTROL
600 SCALE MAP NO. BLOCK:

NORMANDY SHOPPING CENTER
PARCEL 'A'
PUBLIC WATER LINE
TAX MAP: 18 - GRID: 19 - PARCEL: 75 - ZONED: B-2-TNC - ELECTION DISTRICT 2
CONTRACT NO. 44-5095-D

SCALE:
AS SHOWN
SHEET NO.
3 OF 3

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
[Signature]
7-12-19
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
[Signature]
8/1/19
CHIEF, DEVELOPMENT ENGINEERING DIVISION