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MINIMUM LOTS SIZE CHART			
LOT No.	GROSS AREA	PIPESTEM AREA	MINIMUM LOT SIZE
2	8839 sq.ft.	372 sq.ft.	8466 sq.ft.
3	8584 sq.ft.	809 sq.ft.	8079 sq.ft.
4	9199 sq.ft.	832 sq.ft.	8327 sq.ft.
5	7254 sq.ft.	1014 sq.ft.	6240 sq.ft.
6	7611 sq.ft.	1368 sq.ft.	6243 sq.ft.
7	8145 sq.ft.	1806 sq.ft.	6339 sq.ft.
8	10,857 sq.ft.	1,812 sq.ft.	9045 sq.ft.

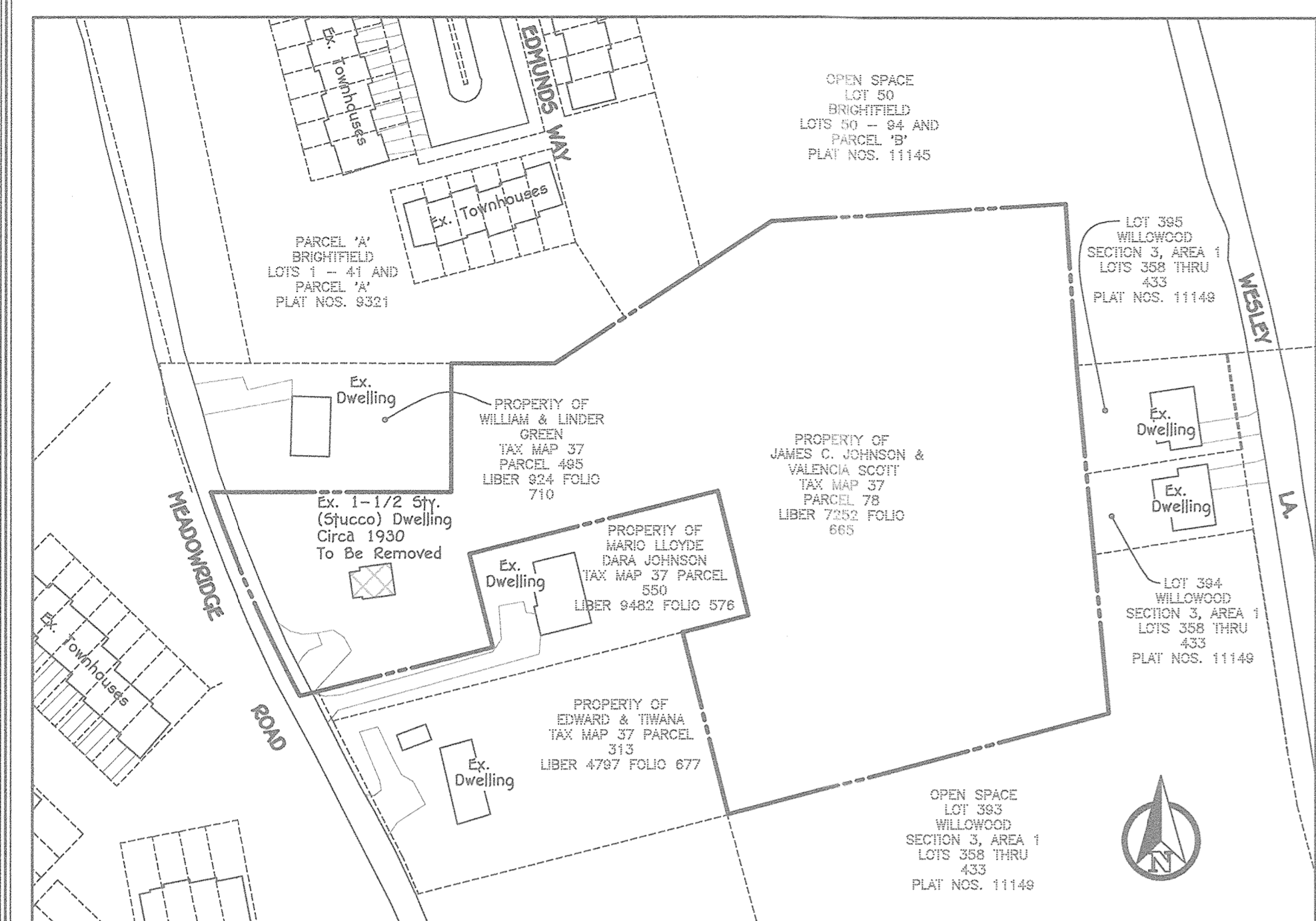
FINAL ROAD CONSTRUCTION, GRADING, & STORMWATER MANAGEMENT PLANS

MEADOWRIDGE VIEW

ROADWAY INFORMATION CHART			
ROAD NAME	CLASSIFICATION	DESIGN SPEED	EASEMENT WIDTH
HUNTERS HOLLOW RD	PRIVATE USE-IN-COMMON DRIVEWAY	15 M.P.H.	24'

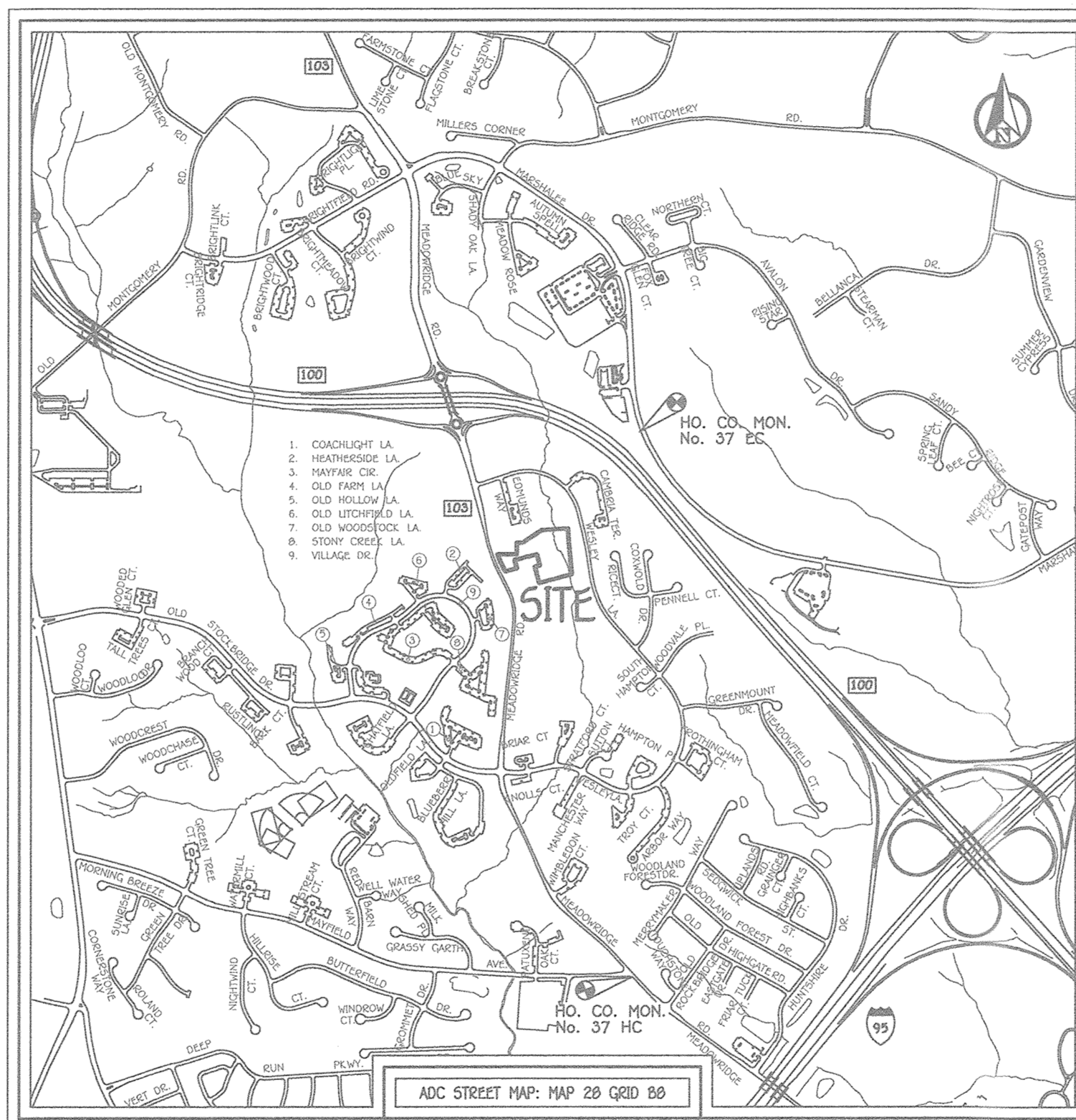
GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST 5(5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY MHS UTILITY AT 1-800-297-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- TRAFFIC CONTROL DEVICES, MARGINS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- THIS SUBMISSION PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE 2013 ZONING REGULATIONS. DEVELOPMENT OR CONSTRUCTION ON THESE LOTS OR PARCELS MUST COMPLY WITH SETBACKS AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF A BUILDING OR GRADING PERMIT APPLICATION.
- COORDINATES BASED ON MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 37 HC AND NO. 37 EC. HOWARD COUNTY MONUMENT NO. 37HC N 556,364.071 E 1,375,513.263 ELEV. (NAV08) = 270.062 HOWARD COUNTY MONUMENT NO. 37EC N 561,039.806 E 1,375,560.480 ELEV. (NAV08) = 346.194
- SUBJECT PROPERTY ZONED R-5C PER 10/06/13 COMPREHENSIVE ZONING PLAN.
- BACKGROUND INFORMATION:
 - SUBDIVISION NAME: MEADOWRIDGE VIEW
 - TAX MAP NO. 37
 - PARCELS NO. 78
 - ZONING R-5C
 - ELECTION DISTRICT: FIRST
 - GROSS AREA OF TRACT = 4.13 ACRES
 - NET TRACT AREA = 3.29 ACRES
 - NUMBER OF BUILDABLE LOTS: 8
 - NUMBER OF OPEN SPACE LOTS: 3
 - AREA OF BUILDABLE LOTS: 1.66 ACRES
 - AREA OF OPEN SPACE LOTS: 2.32 ACRES
 - AREA OF ROADWAY TO BE DEDICATED: 0.19 ACRES
 - PREVIOUS FILE NUMBERS: ECP-17-046, SP-17-009, WP-17-119.
 - AREA OF FLOODPLAIN = 0.84 ACRES
 - AREA OF 25% OR GREATER SLOPES = 0.24 ACRES
- OPEN SPACE REQUIREMENTS:
 - AREA OF OPEN SPACE REQUIRED = 4.13 x 25% = 1.03 ACRES
 - AREA OF OPEN SPACE PROVIDED = 2.32 ACRES (2.23 ACRES CREDITED)
- ALL FILL AREAS WITHIN ROADWAYS AND UNDER STRUCTURES SHALL BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T-180.
- NOISE STUDY WAS PREPARED BY HARS GROUP DATED FEBRUARY, 2017. THE 65DBA NOISE CONTOUR LINE DRAWN ON THIS PLAN IS ADVISORY AS REQUIRED BY THE HOWARD COUNTY DESIGN MANUAL CHAPTER 5, REVISED FEBRUARY, 1992, AND CANNOT BE CONSIDERED TO EXACTLY LOCATE THE 65DBA NOISE EXPOSURE. THE 65DBA NOISE LINE WAS ESTABLISHED BY HOWARD COUNTY TO ALERT DEVELOPERS, BUILDERS AND FUTURE RESIDENTS THAT AREAS BEYOND THIS THRESHOLD MAY EXCEED GENERALLY ACCEPTED NOISE LEVELS ESTABLISHED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.
- WATER IS PUBLIC (CONTRACT NO. 14-9019-D)
- SEWER IS PUBLIC (CONTRACT NO. 14-9019-D)
- SOILS INFORMATION TAKEN FROM SOIL SURVEY MAP NO. 26, HOWARD COUNTY, MARYLAND.
- THERE IS AN EXISTING HOUSE ON-SITE DATING TO THE 1930S WHICH WILL BE DEMOLISHED.
- BOUNDARY OUTLINE BASED ON FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS, & CARTER, INC. DATED MARCH, 2017.
- THE EXISTING IS TAKEN FROM FIELD RUN SURVEY WITH (MAXIMUM TWO FOOT) CONTOUR INTERVALS PREPARED BY FISHER, COLLINS & CARTER, INC. DATED MARCH, 2017 AND SUPPLEMENTED WITH HOWARD COUNTY TOPOGRAPHY.
- STORMWATER MANAGEMENT WILL BE PROVIDED IN ACCORDANCE WITH THE NEW MDC CHAPTER 5 REGULATIONS AND THE NEW HOWARD COUNTY SW MANUAL ADOPTED ON OR ABOUT MAY 4, 2010. RECHARGE VOLUME WILL BE PROVIDED THROUGH THE USE OF A STONE RESERVOIR, WATER QUALITY AND CHANNEL PROTECTION VOLUME WILL BE PROVIDED BY A MICRO BIO-RETENTION FACILITY AND 22 DRY WELLS, OVERBANK FLOOD PROTECTION VOLUME AND EXTREME FLOOD VOLUMES ARE NOT REQUIRED FOR THIS SITE. THE STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED & MAINTAINED BY THE H.O.A. (Bio-Retention) OR THE PRIVATE HOMEOWNER (Dry Wells).
- STREAM, WETLANDS, TREE BUFFERS, STEEP SLOPES, AND FLOODPLAIN EXIST ON-SITE. FLOODPLAIN SHOWN HEREON IS BASED ON HOWARD COUNTY FEMA MAPS.
- THE DISTURBANCE TO THE 25% OR GREATER ON-SITE STEEP SLOPES IS PERMITTED BECAUSE THE SLOPES ARE LESS THAN 20,000 SF IN AREA, IN ACCORDANCE WITH SECTION 16.116(9)(1)(I) OF THE SUBDIVISION REGULATIONS.
- DISTURBANCE INTO THE WETLANDS, STREAM, AND TREE BUFFERS FOR THE EXTENSION OF THE SEWER MAIN AND EASEMENT IS CONSIDERED ESSENTIAL DISTURBANCE BY DPE PER SECTION 16.116(9)(1)(I) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED PERIMETER LANDSCAPING WILL BE POSTED AS PART OF THE DEVELOPERS AGREEMENT FOR THIS FINAL PLAN, IN THE AMOUNT \$6,000.00 BASED ON (11) SHADE TREES @ \$500.00 EACH, (18) EVERGREENS @ \$150.00 EACH.
- A COMMUNITY MEETING WAS CONDUCTED FEBRUARY 23, 2017 FOR THE PURPOSE OF THE DEVELOPER TO PROVIDE INFORMATION TO THE COMMUNITY REGARDING THE PROPOSED RESIDENTIAL DEVELOPMENT AND TO ALLOW THE COMMUNITY TO ASK QUESTIONS AND TO MAKE COMMENTS, PER SECTION 16.128(3) OF THE SUBDIVISION REGULATIONS.
- THE TRAFFIC STUDY FOR THIS PROJECT DATED FEBRUARY, 2017 WAS PREPARED BY HARS GROUP.
- SUBDIVISION IS SUBJECT TO SECTION 104.0.F OF THE ZONING REGULATIONS. AT LEAST 10% OF THE DWELLING UNITS SHALL BE MODERATE INCOME HOUSING UNITS (M.I.H.U.) OR AN ALTERNATE COMPLIANCE WILL BE PROVIDED BY THE DEVELOPER. THE DEVELOPER SHALL EXECUTE A M.I.H.U. AGREEMENT WITH THE DEPARTMENT OF HOUSING TO INDICATE HOW THE M.I.H.U. REQUIREMENT WILL BE MET. THE M.I.H.U. AGREEMENT AND COVENANTS WILL BE RECORDED SIMULTANEOUSLY WITH THIS PLAN IN THE LAND RECORDS OFFICE OF HOWARD COUNTY, MARYLAND. THIS DEVELOPMENT WILL MEET M.I.H.U. ALTERNATIVE COMPLIANCE BY A PAYMENT OF A FEE-IN-LIEU TO THE DEPARTMENT OF HOUSING FOR EACH REQUIRED UNIT.
- MODERATE INCOME HOUSING UNIT (M.I.H.U.) TABULATION:
 - M.I.H.U. REQUIRED = (8 LOTS X 10%) = 08 M.I.H.U.
 - M.I.H.U. PROVIDED = DEVELOPER WILL PURSUE ALTERNATIVE COMPLIANCE BY PAYING A FEE-IN-LIEU TO THE HOWARD COUNTY HOUSING DEPARTMENT FOR THE UNITS REQUIRED BY THE DEVELOPMENT.
 - AN EXECUTED M.I.H.U. AGREEMENT WITH THE HOWARD COUNTY HOUSING DEPARTMENT WILL BE COMPLETED AND RECORDED SIMULTANEOUSLY WITH THE PLAN.
- THE PRIVATE USE-IN-COMMON, ACCESS, DRIVEWAY EASEMENT AND MAINTENANCE AGREEMENT FOR THE USE AND BENEFIT OF LOTS 1 THRU 8 IS RECORDED SIMULTANEOUSLY WITH THE PLAN.
- APPROVAL OF A SITE DEVELOPMENT PLAN IS REQUIRED FOR THE DEVELOPMENT OF ALL RESIDENTIAL LOTS WITHIN THIS SUBDIVISION PRIOR TO ISSUANCE OF ANY GRADING OR BUILDING PERMITS FOR NEW HOUSE CONSTRUCTION IN ACCORDANCE WITH SECTION 16.195 OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- THE FOREST CONSERVATION ACT REQUIREMENTS FOR THIS PROJECT WILL BE MET THROUGH THE RETENTION OF 11.14 AC. OF FOREST (11.10 AC. CREDITED). NO SURETY WILL BE REQUIRED FOR RETENTION. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.
- SOIL BORING REPORT FOR THIS PROJECT WAS PREPARED BY FISHER, COLLINS, & CARTER, INC. DATED MARCH, 2017 AND APPROVED ON MAY 30, 2017.
- THE FOREST STAND DELINEATION AND WETLAND DELINEATION FOR THIS PROJECT WAS PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. DATED MARCH, 2017 AND APPROVED ON MAY 30, 2017. THERE ARE NO WETLANDS ON THIS SITE.
- THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
- FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD R/W LINE AND NOT THE PIPESTEM LOT DRIVEWAY.
- A PRIVATE DRIVEWAY NAME SIGN ASSEMBLY SHALL BE FABRICATED AND INSTALLED BY HOWARD COUNTY BUREAU OF HIGHWAYS AT THE DEVELOPERS/OWNERS EXPENSE. CONTACT HOWARD COUNTY TRAFFIC DIVISION AT 410-313-5752 FOR DETAILS AND COST ESTIMATE.
- NO CEMETERIES OR HISTORIC STRUCTURES EXIST WITHIN THIS SUBDIVISION.
- TRAFFIC CONTROL DEVICES:
 - THE R1-1 ("STOP") SIGN AND THE STREET NAME SIGN (SNS) ASSEMBLY FOR THIS DEVELOPMENT MUST BE INSTALLED BEFORE THE BASE PAVING IS COMPLETED.
 - THE TRAFFIC CONTROL DEVICE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE FIELD APPROVED BY HOWARD COUNTY TRAFFIC DIVISION AT 410-313-2450 PRIOR TO THE INSTALLATION OF ANY OF THE TRAFFIC CONTROL DEVICES.
 - ALL TRAFFIC CONTROL DEVICES AND THEIR LOCATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD).
 - ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED ("QUICK PUNCH"), SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) - 3' LONG. THE ANCHOR SHALL NOT EXTEND MORE THAN TWO "QUICK PUNCH" HOLES ABOVE GROUND LEVEL. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING (MINIMUM) REQUIREMENTS:
 - WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE)
 - SURFACE - SIX (6) INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING.
 - GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45 TURNING RADII.
 - STRUCTURES (CULVERTS/BRIDGES) CAPABLE OF SUPPORTING 25 GROSS TONS (H 25 LOADING).
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 - STRUCTURE CLEARANCES - MINIMUM 12 FEET.
 - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- DESIGN MANUAL HANDBOOK ALLOW 8 LOTS ON A USE-IN-COMMON DRIVEWAY WAS GRANTED ON OCTOBER 30, 2017 SUBJECT TO PROVIDING CURB & GUTTER, STORM DRAIN SYSTEMS, AND SIGN TO FULLY TREAT ESD. SAFELY CONVEY THE STORMWATER AND PREVENT FLOODING TO EXISTING AND PROPOSED HOUSES.
- ROAD IMPROVEMENTS ALONG MEADOWRIDGE ROAD INCLUDE AN ACCELERATION LANE, CURB & GUTTER, SIDEWALK, AND A BUS STOP PAD.
- ALTERNATIVE COMPLIANCE APPLICATION, WP-17-119, WAS APPROVED ON JUNE 1, 2017 REQUESTING ALTERNATIVE COMPLIANCE TO SECTION 16.1205(A)(7) TO ALLOW THE REMOVAL OF TWO (2) SPECIMEN TREES. APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:
 - THE REMOVAL OF THE TWO (2) SPECIMEN TREES (RED MAPLES) WILL REQUIRE MITIGATION WITH THE PLANTING OF 2:1 REPLACEMENT TREES (4 TOTAL) WITH A MINIMUM 3" CALIPER NATIVE PLANT SPECIES AS PART OF THIS SUBDIVISION'S LANDSCAPING PLAN. SURETY FOR THE FOUR SHADE TREES WILL BE INCORPORATED INTO THE LANDSCAPE SURETY WITH THE FINAL PLAN.
 - PROVIDE A NOTE ON ALL SUBSEQUENT SUBDIVISION AND SITE DEVELOPMENT PLANS REGARDING THIS ALTERNATIVE COMPLIANCE PETITION APPROVAL. THIS NOTE SHALL INCLUDE THE REGULATION SECTIONS PETITIONED, THE DATE OF THE ALTERNATIVE COMPLIANCE APPROVAL, AND THE CONDITIONS OF APPROVAL.



EXISTING CONDITIONS PLAN VIEW
SCALE: 1" = 100'

LOTS 1 THRU 8 AND
OPEN SPACE LOT 9 THRU 11
ZONED: R-5C
TAX MAP No. 37 GRID No. 09 PARCEL NO. 78



VICINITY MAP
SCALE: 1" = 1200'

STORMWATER MANAGEMENT SUMMARY			
AREA ID.	ESDV REQUIRED CU.FT.	ESDV PROVIDED CU.FT.	REMARKS
SITE	4,013	5,094	DRYWELLS (M-5) & MICRO-BIRETENTION (M-6)
TOTAL	4,013	5,094	

GROSS AREA = 4.13 ACRES
 LOD = 1.95 ACRES (SITE)
 RCN = 79.8
 TARGET Pe = 1.76"
 RECHARGE VOLUME (REV)
 Rev = (5) (Rv) (A) / 12
 = (0.218) (0.329) (1.91) / 12
 = 0.0114 AC-FT OR 497 CU-FT

AS PERMITTED IN CHAPTER 2 OF THE 2000 MARYLAND STORMWATER DESIGN MANUAL, RECHARGE VOLUME HAS BEEN INCLUDED WITHIN THE ESDV.

SITE ANALYSIS DATA CHART

- TOTAL AREA OF THIS SUBMISSION = 4.13 AC.±
- LIMIT OF DISTURBED AREA = 1.95 AC.±
- PRESENT ZONING DESIGNATION: R-5C (PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
- PROPOSED USE: RESIDENTIAL
- PREVIOUS HOWARD COUNTY FILES: ECP-17-046, SP-17-009, WP-17-119
- F. TOTAL AREA OF FLOODPLAIN LOCATED ON SITE = 0.84 AC.
- G. TOTAL AREA OF SLOPES IN EXCESS OF 15% = 1.09 AC. (0.24 AC. 25% OR GREATER)
- H. TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 2.03 AC. (INCLUDES FLOODPLAIN AREA)
- I. TOTAL AREA OF EXISTING FOREST = 3.57 AC.± (2.73 AC. OUTSIDE OF FLOODPLAIN)
- J. TOTAL GREEN OPEN AREA = 3.54 AC.±
- K. TOTAL IMPERVIOUS AREA = 0.59 AC.±
- L. AREA OF ERODIBLE SOILS = 2.26 AC.
- M. AREA OF ROAD DEDICATION = 0.19 AC.
- N. DENSITY PERMITTED = 4.13 AC ± 1.09 AC = 3.09 ACRES X 4 LOTS/ACRE = 12 LOTS
- O. PROPOSED NUMBER OF LOTS = 8 LOTS
- P. OPEN SPACE REQUIRED = 4.13 AC X 25% = 1.03 AC
- Q. OPEN SPACE PROVIDED = 2.32 AC.± (2.23 AC.± (credited) & 0.09 AC.± (non-credited))

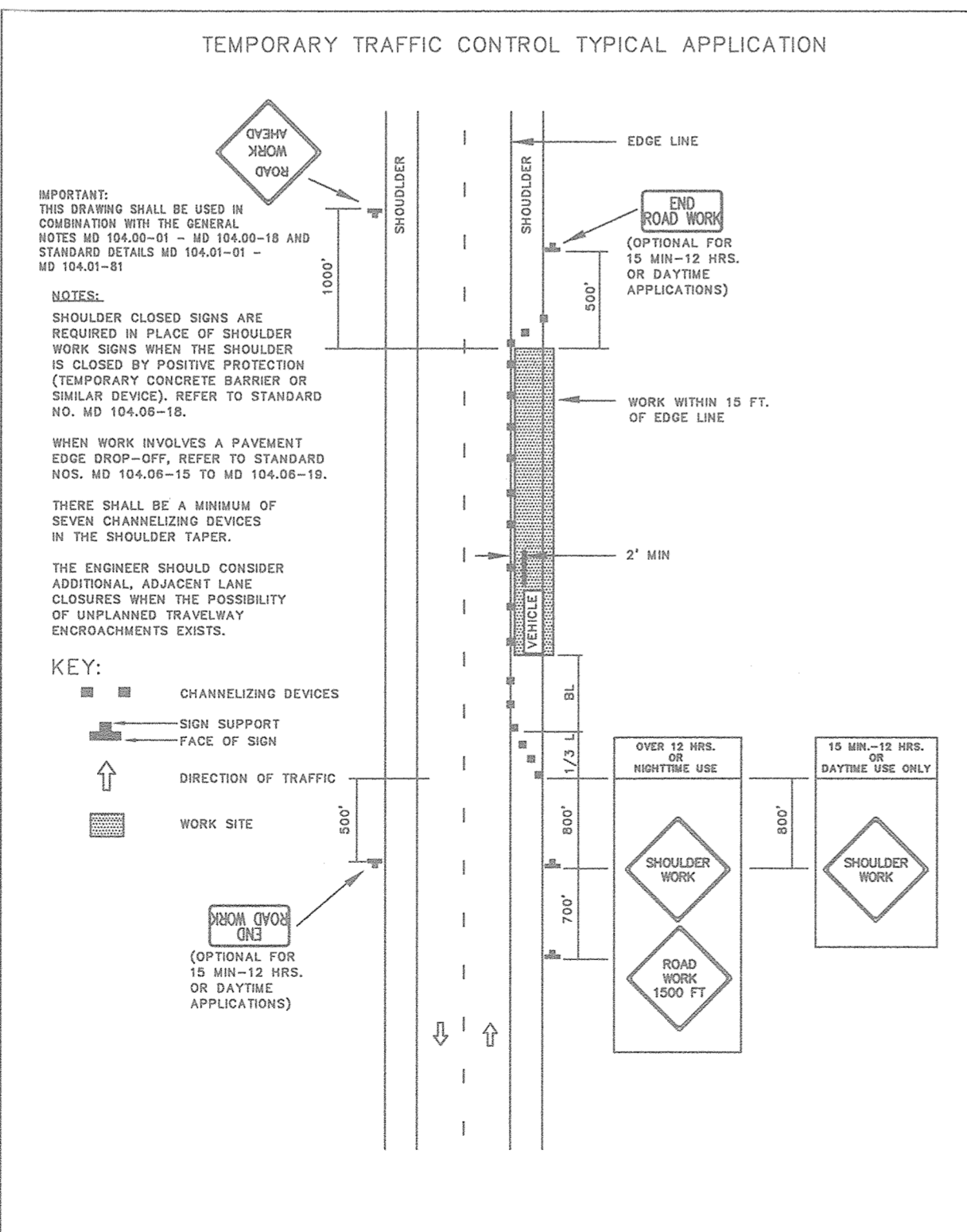
NOTE: THE FOLLOWING STANDARDS (CONSTRUCTION AND TEMPORARY TRAFFIC CONTROL) ARE REQUIRED FOR THIS PROJECT:

MD 104.02-01 - SHOULDER WORK

FOR ALL STANDARDS REFERRED TO ON THE PLANS, THE CONTRACTOR MUST REFER TO THE BOOK OF STANDARDS WHICH WILL HAVE THE MOST CURRENT VERSION. THE BOOK OF STANDARDS CAN BE ACCESSED BY: [HTTP://APPS.ROADS.MARYLAND.GOV/BUSINESSWITHMSAHA/BIZSTDSSPECS/DESMANUALSTPUB/PUBLICATIONSONLINE/OHD/BOOKSTD/INDEX.ASP](http://apps.roads.maryland.gov/businesswithmsaha/bizstdsspecs/desmanualstpub/publicationsonline/ohd/bookstd/index.asp)

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 10272 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2095

APPROVED: DEPARTMENT OF PUBLIC WORKS
 [Signature] 3/22/2019
 CHIEF, BUREAU OF HIGHWAYS
 APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 4-3-19
 CHIEF, DIVISION OF LAND DEVELOPMENT
 APPROVED: DEVELOPMENT ENGINEERING DIVISION
 [Signature] 3-28-19
 CHIEF, DEVELOPMENT ENGINEERING DIVISION



* UTILIZE MOST CURRENT VERSION OF MD 104.02-02 AND FLAGGING TO BE UTILIZED PER MD 104.02-10.
 * ALSO ADHERE TO MOST RECENT PAVEMENT EDGE DROP-OFF STANDARDS (MD 104.06-15 TO MD 104.06-19)

FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

LOT NO.	STORMWATER MANAGEMENT PRACTICES			
	DRY WELLS (M-5) Y/N, NUMBER	MICRO-BIRETENTION/NON-ROOFTOP DISCONNECTION (M-6) Y/N, NUMBER	(N-2) Y/N	(N-1) Y/N
1	YES, TWO (2)	NO	NO	NO
2	YES, THREE (3)	NO	NO	NO
3	YES, TWO (2)	NO	NO	NO
4	YES, TWO (2)	NO	NO	NO
5	YES, THREE (3)	NO	NO	NO
6	YES, THREE (3)	NO	NO	NO
7	YES, THREE (3)	NO	NO	NO
8	YES, FOUR (4)	NO	NO	NO
COMMON DRIVE	NO	YES, TWO (2)	NO	NO

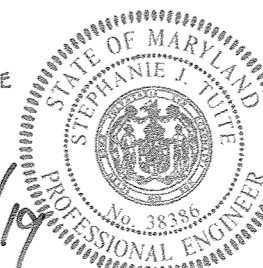
OWNERS: JAMES C. JOHNSON & VALENCIA SCOTT
 6077 MEADOWRIDGE RD
 ELK RIDGE, MD 21075

DEVELOPER: PATAPSCO BUILDERS, LLC
 5850 WATERLOO ROAD, SUITE 140
 COLUMBIA, MD 21045
 443-367-0422

PROFESSIONAL CERTIFICATION

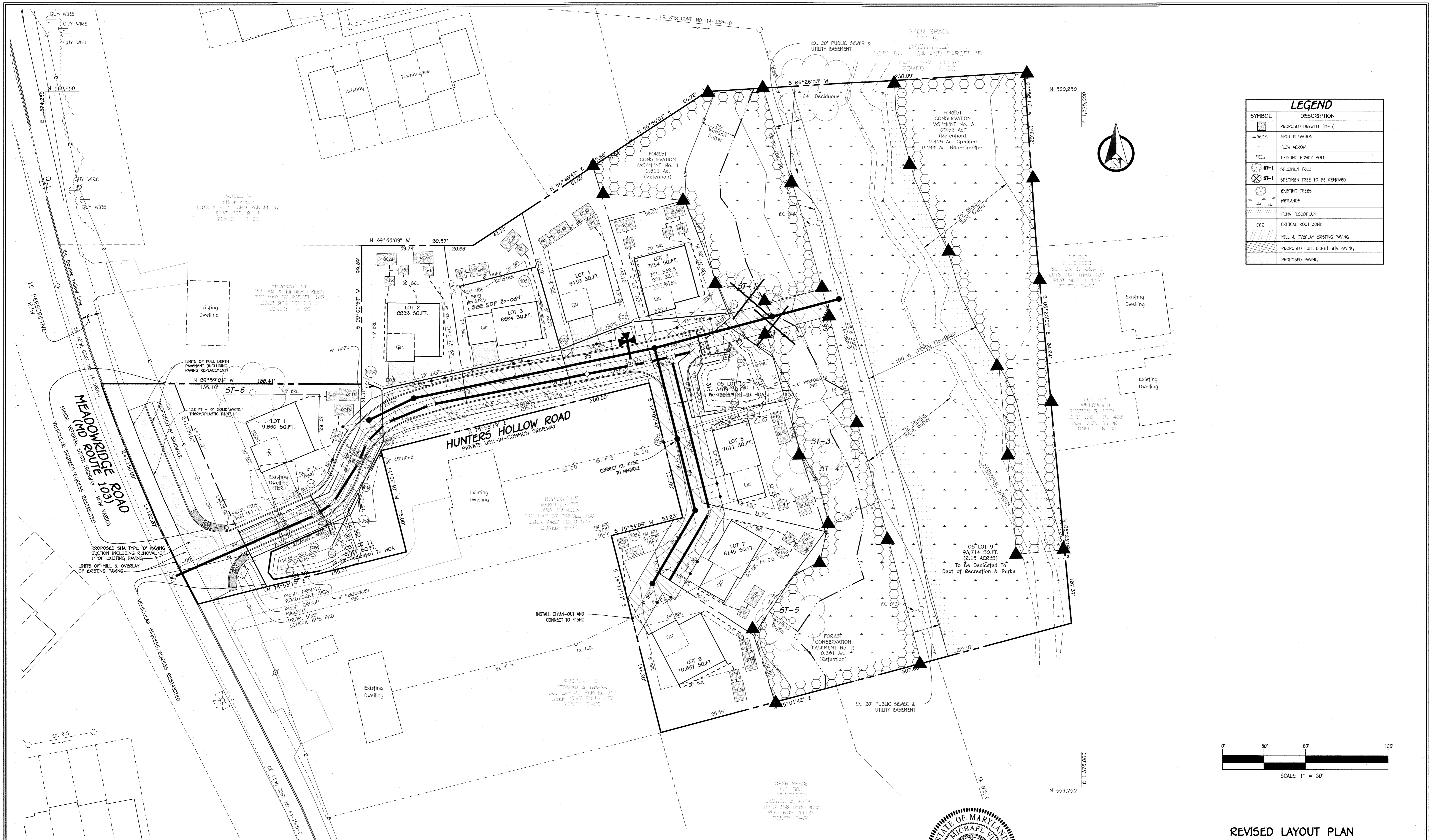
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 38386, EXPIRATION DATE: 01/12/2020.

[Signature] 2/17/19
 Signature of Professional Engineer DATE

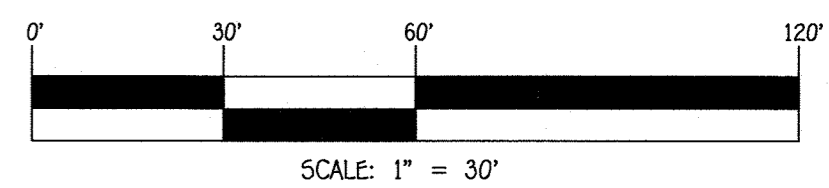


TITLE SHEET
 MEADOWRIDGE VIEW
 LOTS 1 THRU 8 AND
 OPEN SPACE LOTS 9 THRU 11
 ZONED R-5C

TAX MAP No. 37 GRID No. 09 PARCEL No. 78
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: DECEMBER, 2018
 SHEET 1 OF 9



LEGEND	
SYMBOL	DESCRIPTION
[Symbol]	PROPOSED DRYWELL (M-5)
+362.5	SPOT ELEVATION
[Symbol]	FLOW ARROW
[Symbol]	EXISTING POWER POLE
[Symbol]	SPECIMEN TREE
[Symbol]	SPECIMEN TREE TO BE REMOVED
[Symbol]	EXISTING TREES
[Symbol]	WETLANDS
[Symbol]	FEMA FLOODPLAIN
[Symbol]	CRZ
[Symbol]	CRITICAL ROOT ZONE
[Symbol]	HILL & OVERLAY EXISTING PAVING
[Symbol]	PROPOSED FULL DEPTH SHA PAVING
[Symbol]	PROPOSED PAVING



APPROVED: DEPARTMENT OF PUBLIC WORKS	
<i>[Signature]</i>	11/23/2021
CHIEF, BUREAU OF HIGHWAYS	DATE
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>[Signature]</i>	12/16/21
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
<i>[Signature]</i>	11-29-21
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE

NO.	REVISION	DATE
1	REVISE BIO-RETENTIONS TO PROVIDE MORE STORAGE	4-20-21

OWNERS
 JAMES C. JOHNSON & VALENCIA SCOTT
 6077 MEADOWRIDGE RD
 ELK RIDGE, MD 21075

DEVELOPER
 PATAPSCO BUILDERS, LLC
 5850 WATERLOO ROAD, SUITE 140
 COLUMBIA, MD 21045
 443-367-0422



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. 20742, Expiration Date 2-22-23.

REVISED LAYOUT PLAN
MEADOWRIDGE VIEW
 LOTS 1 THRU 8 AND
 OPEN SPACE LOTS 9 THRU 11
 ZONED R-SC

TAX MAP No. 37 GRID No. 09 PARCEL No. 78
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: DECEMBER, 2018
 REVISED DATE: APRIL 20, 2021
 SHEET 2 OF 9

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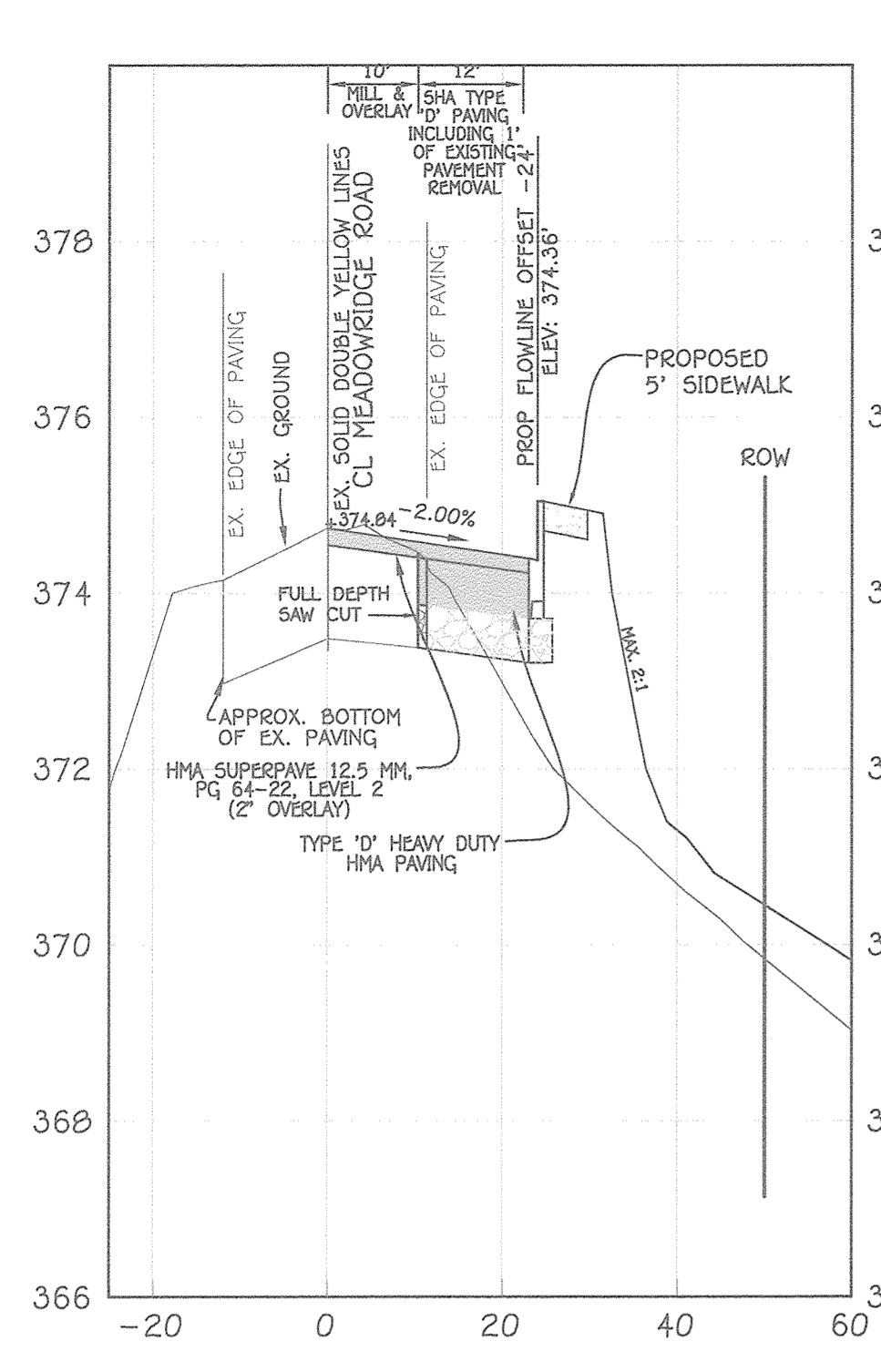


SHA LANDSCAPE NOTES

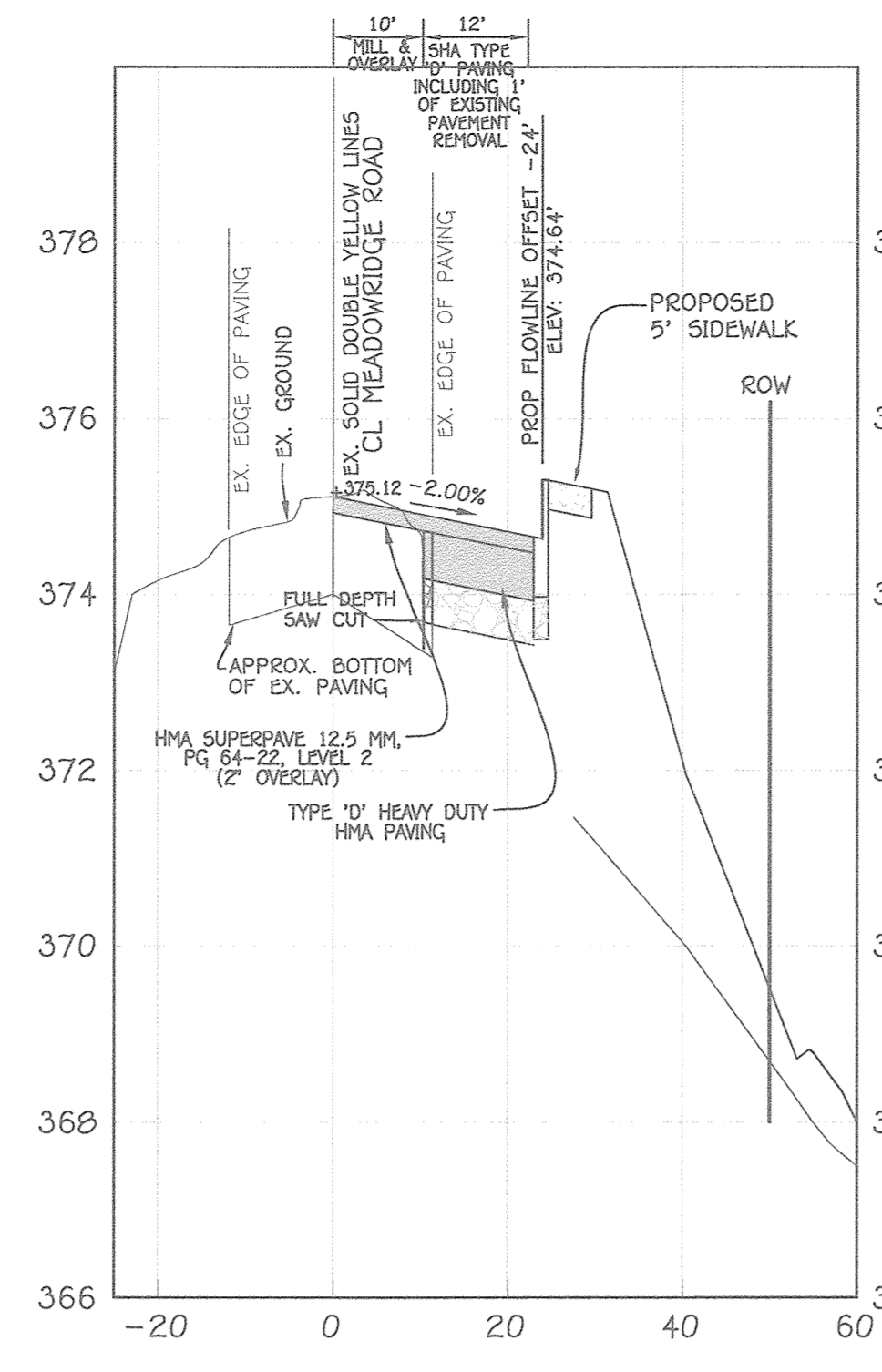
- 7.2 SHA STANDARD SPECIFICATIONS** - LANDSCAPE CONSTRUCTION SHALL CONFORM TO SECTIONS 701 THROUGH 716, AND LANDSCAPE MATERIALS SHALL CONFORM TO SECTION 920 OF THE SHA 2008 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, INCLUDING ALL REVISIONS AND SUPPLEMENTS, AND AS SPECIFIED IN THESE NOTES. THESE REQUIREMENTS SHALL SUPERSEDE ALL OTHER SPECIFICATIONS FOR WORK WITHIN THE SHA RIGHT OF WAY. ALL SHA SPECIFICATIONS FOR LANDSCAPING AND LANDSCAPE MATERIALS PUBLISHED IN 2008 HAVE BEEN REPLACED. CURRENT SPECIFICATIONS ARE AT [HTTP://WWW.ROADS.MARYLAND.GOV/INDEX.ASPX?PAGEID=44](http://www.roads.maryland.gov/index.aspx?PAGEID=44).
- 7.3 EROSION AND SEDIMENT CONTROL MANAGER (ESCM)** - SOIL DISTURBANCE SUCH AS GRADING, EXCAVATION, SOIL PLACEMENT OR OTHER ACTIVITIES THAT INVOLVE SOIL DISTURBANCE WITHIN THE SHA RIGHT OF WAY SHALL BE SUPERVISED BY AN ESCM MANAGER WITH A VALID SHA "YELLOW CARD" IN CONFORMANCE WITH SHA 2008 SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS AND ANY APPLICABLE EROSION AND SEDIMENT CONTROL PERMIT.
- 7.5 TEMPORARY STABILIZATION** SHALL BE INSTALLED IN CONFORMANCE WITH SECTION 704 TO ENSURE THAT AREAS OF SOIL DISTURBANCE ARE PROTECTED FROM WIND, RAINFALL AND FLOWING WATER UNTIL PERMANENT STABILIZATION IS INSTALLED.
1. TEMPORARY MULCH, EITHER AS TEMPORARY STRAW MULCH OR TEMPORARY MATTING MULCH, SHALL BE INSTALLED AT THE END OF EACH WORKING DAY TO PROVIDE "SAME DAY STABILIZATION" UNLESS OTHER APPROVED STABILIZATION IS INSTALLED.
 2. TEMPORARY STRAW SHALL BE INSTALLED ON AREAS AND SLOPES FLATTER THAN 4:1; TEMPORARY MATTING MULCH SHALL BE APPLIED ON SLOPES 4:1 AND STEEPER, AND TO AREAS WITHIN CHANNELS.
 3. TEMPORARY SEED SHALL BE INSTALLED IN LIEU OF TEMPORARY MULCH WHEN SOIL REDISTURBANCE IS EXPECTED MORE THAN 30 DAYS AFTER SOIL DISTURBANCE. THE REQUIRED APPLICATION RATE OF 15-30-15 FERTILIZER SHALL BE REDUCED TO 150 LBS PER ACRE.
- 7.6 ROADWAY PAVEMENT REMOVAL** - AREAS OF PAVEMENT REMOVAL, EXCAVATION OR DRELING IN LANDSCAPED AREAS SHALL REMOVE EXCAVATED DEBRIS AND RESTORE THE SUBGRADE WITH APPROVED SUBSOIL AND TOPSOIL PLACE IN CONFORMANCE WITH SECTION 701 OF THE SHA STANDARD SPECIFICATIONS.
- 7.7 EXCAVATION AND DEBRIS REMOVAL** - DEBRIS RELATED TO THE DEMOLITION OF SIDEWALKS, DRIVEWAYS, CURBS, TREES, STUMPS, ROOTS, FENCING, PIPES, AND OTHER MATERIALS THAT MAY INTERFERE WITH LANDSCAPE INSTALLATION OR FUTURE MAINTENANCE WITHIN THE SHA RIGHT OF WAY SHALL BE EXCAVATED AS NECESSARY FOR THEIR COMPLETE REMOVAL AND DISPOSAL.
- 7.8 SOIL RESTORATION** - AREAS OF PAVEMENT REMOVAL, EXCAVATION OR DRELING IN LANDSCAPED AREAS SHALL REMOVE EXCAVATED DEBRIS AND RESTORE THE SUBGRADE WITH APPROVED SUBSOIL AND TOPSOIL PLACE IN CONFORMANCE WITH SECTION 701 OF THE SHA STANDARD SPECIFICATIONS.
1. A LAYER OF APPROVED TOPSOIL OF AT LEAST A 4 INCH DEPTH SHALL BE PLACED ON ALL DISTURBED AREAS FLATTER THAN 2:1 AND IN ALL CHANNELS PRIOR TO SEEDING, SOODING OR OTHER LANDSCAPING, UNLESS OTHERWISE SPECIFIED.
 2. A LAYER OF APPROVED TOPSOIL OF AT LEAST A 2 INCH DEPTH SHALL BE PLACED ON ALL DISTURBED AREAS 2:1 AND STEEPER PRIOR TO SEEDING, SOODING OR OTHER LANDSCAPING, UNLESS OTHERWISE SPECIFIED.
- 7.9 TURFGRASS SOD ESTABLISHMENT** SHALL BE PERFORMED IN ALL DISTURBED AREAS OF THE SHA RIGHT OF WAY, OR WITHIN THE AREAS INDICATED IN THE PLANS, IN CONFORMANCE WITH SECTION 708 OF THE SHA STANDARD SPECIFICATIONS. THE REQUIRED APPLICATION RATE OF 20-16-12 FERTILIZER SHALL BE REDUCED TO 200 LBS PER ACRE, AND NO FERTILIZER SHALL BE APPLIED FROM NOV. 15 TO MAR. 1.

GENERAL NOTES

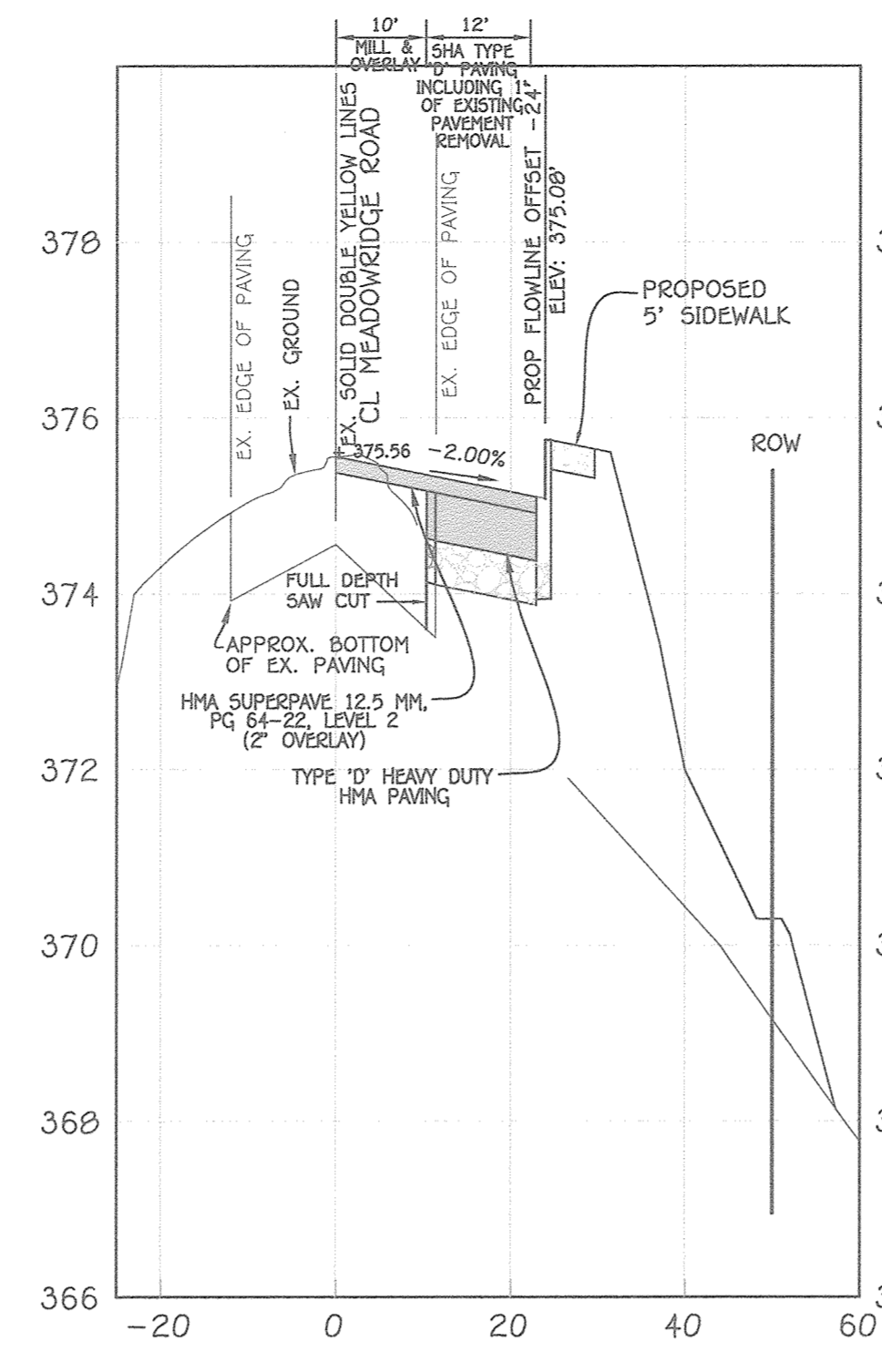
1. NO EXISTING TREES OR VEGETATION EXIST WITHIN THE SHA ROW REQUIRING PROTECTION OR MITIGATION FOR REMOVAL.
2. SOD ESTABLISHMENT IS REQUIRED ON FULL SLOPES WITHIN THE SHA RIGHT OF WAY AS SHOWN ON THE TYPICAL ROAD WIDENING (MEADOWRIDGE ROAD) DETAIL.



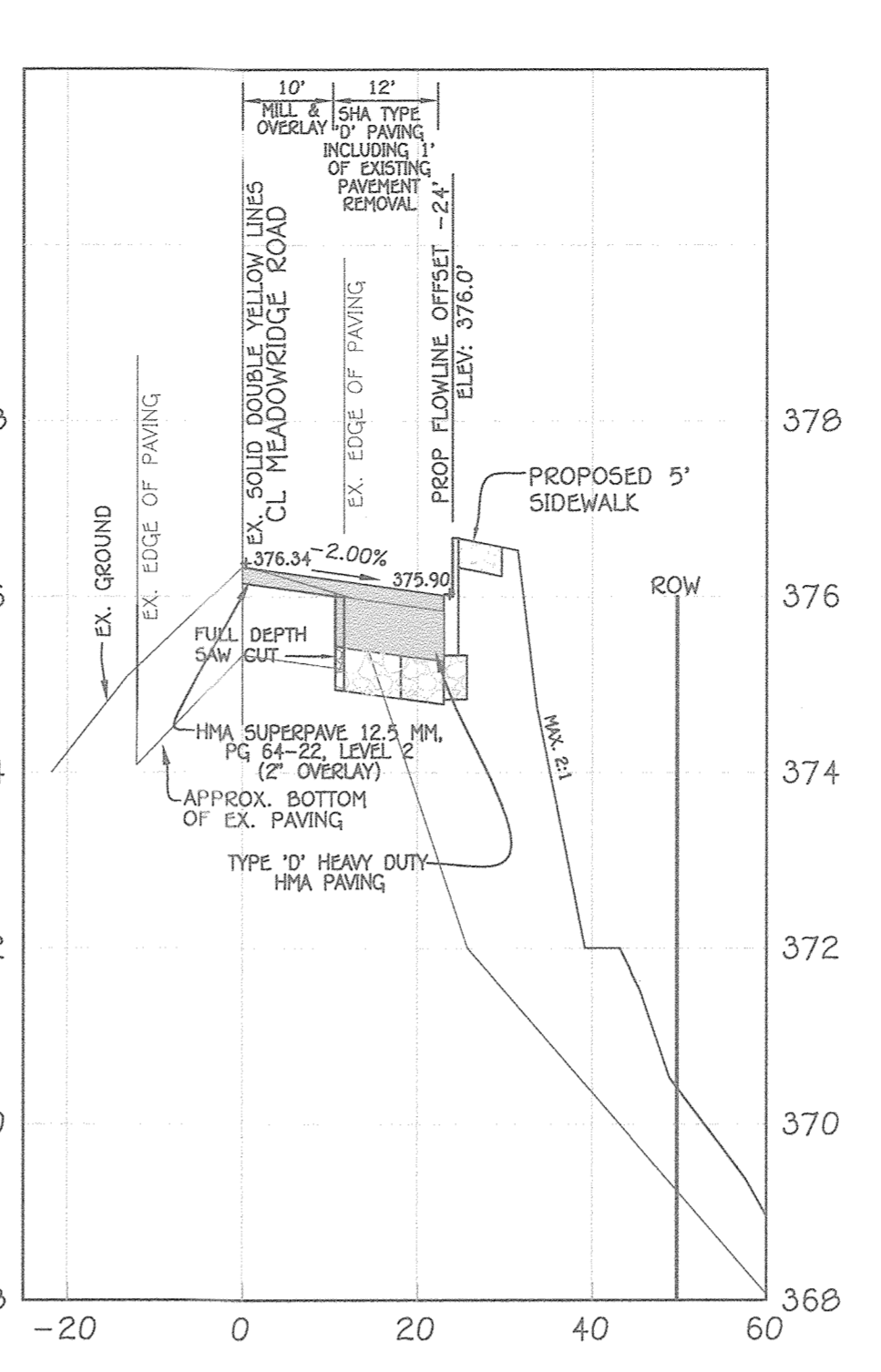
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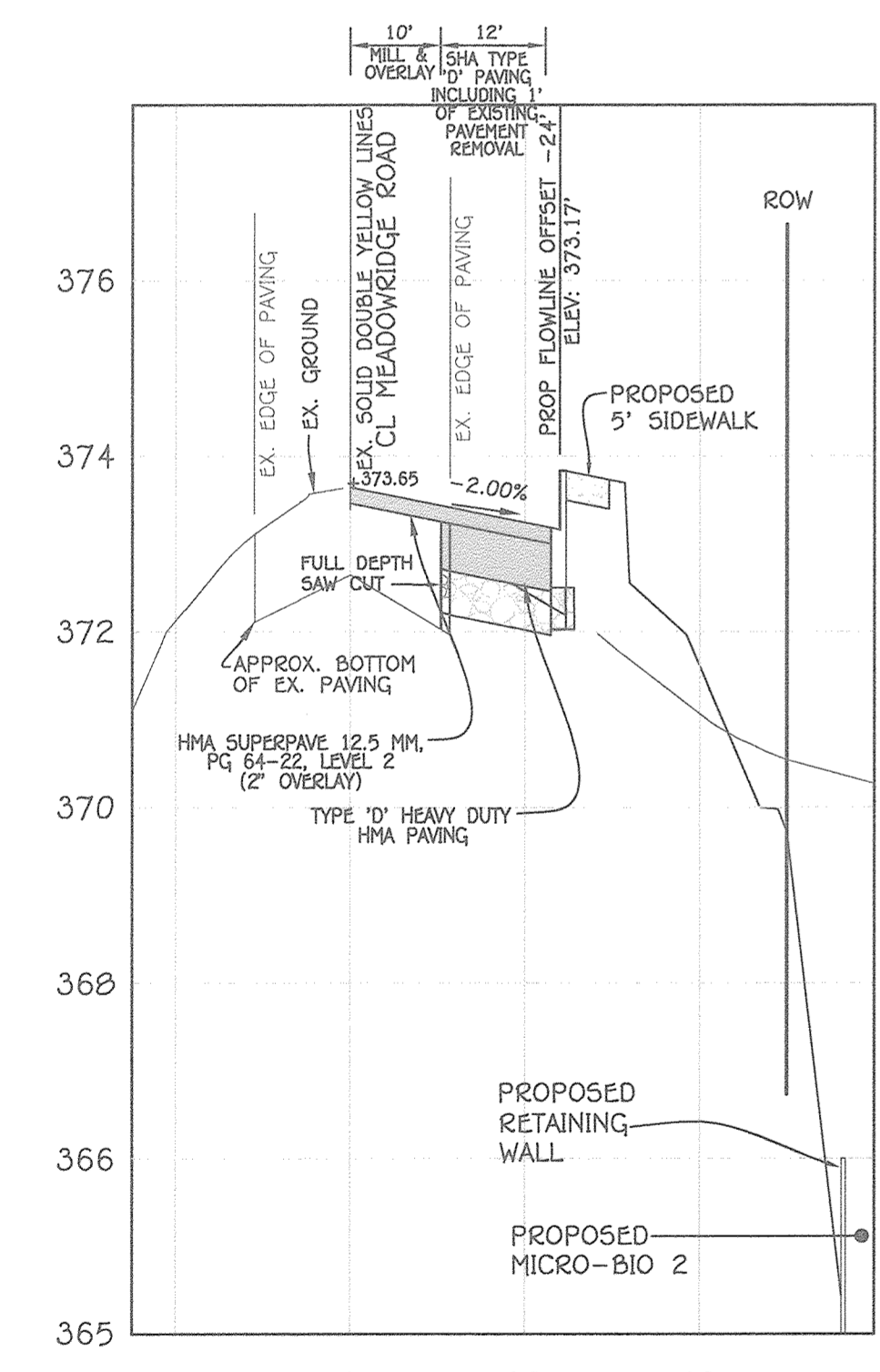
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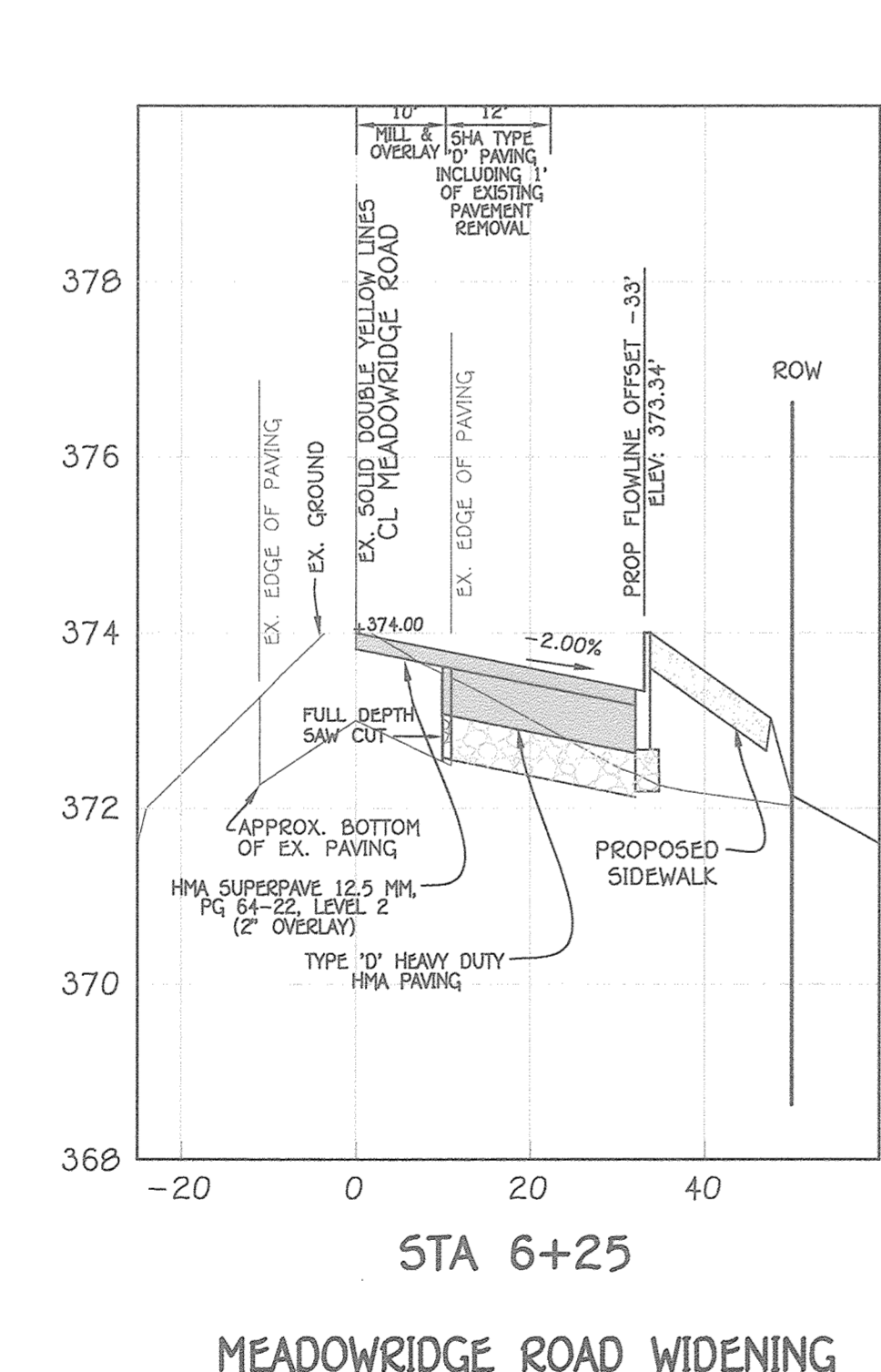
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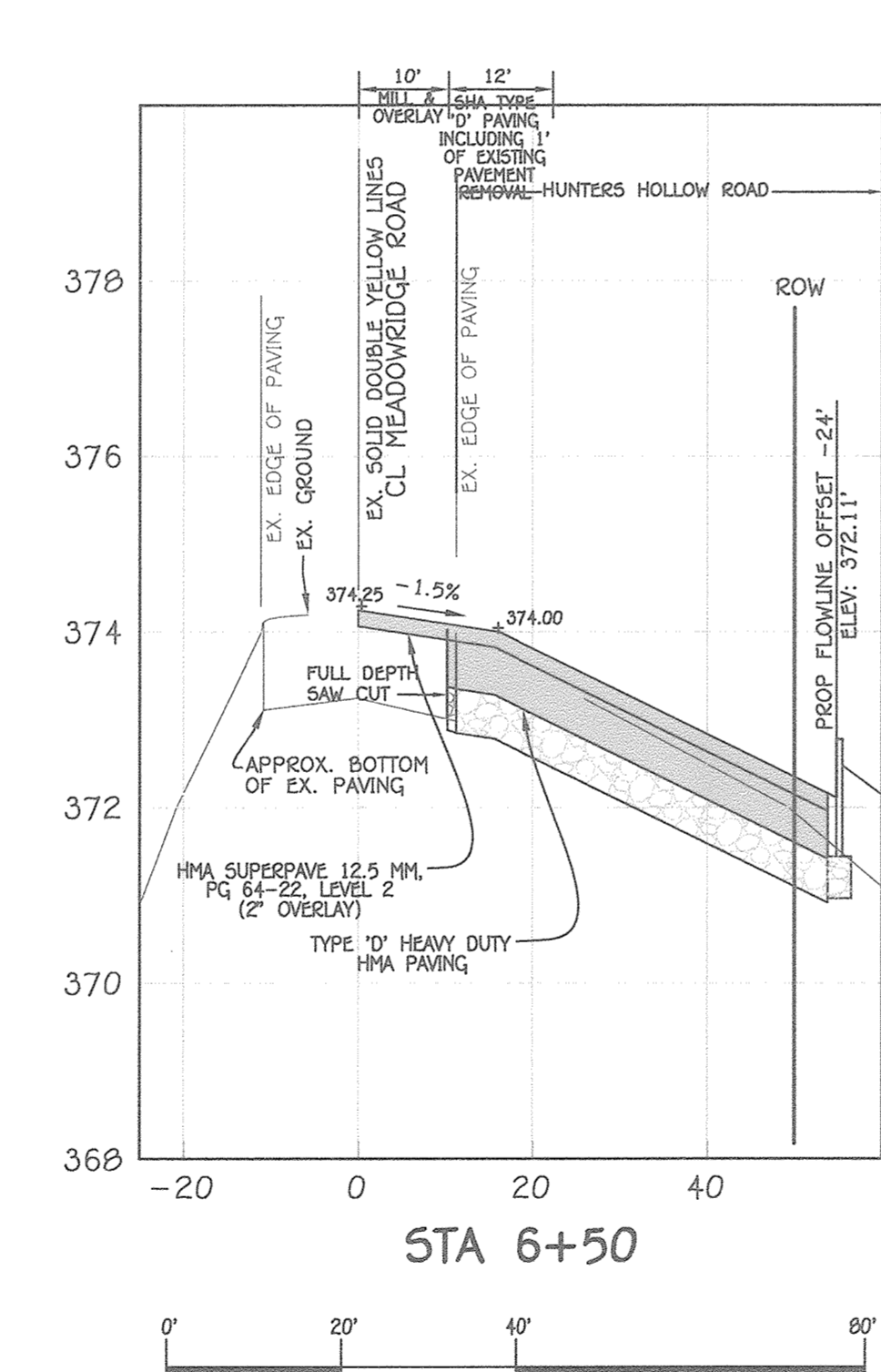
STA 7+50



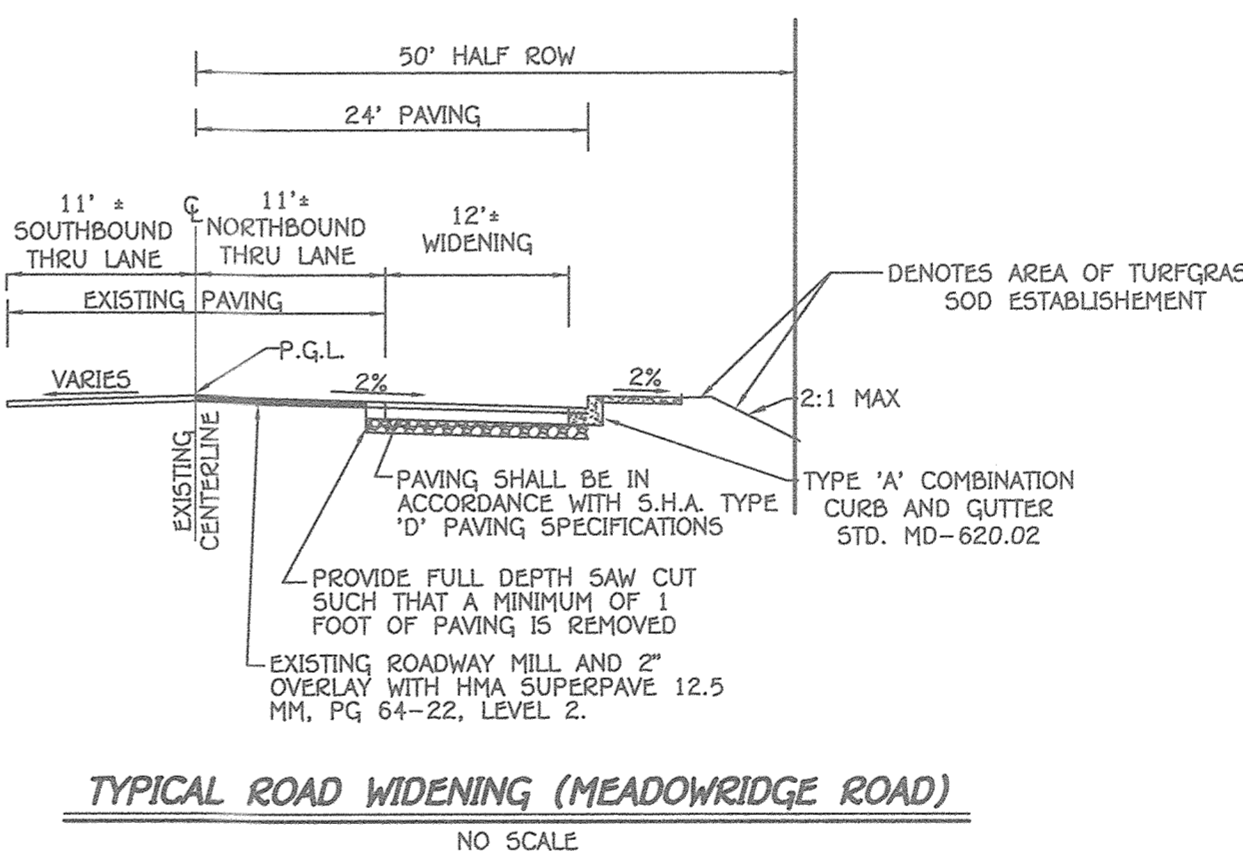
STA 6+11



STA 6+25



STA 6+50



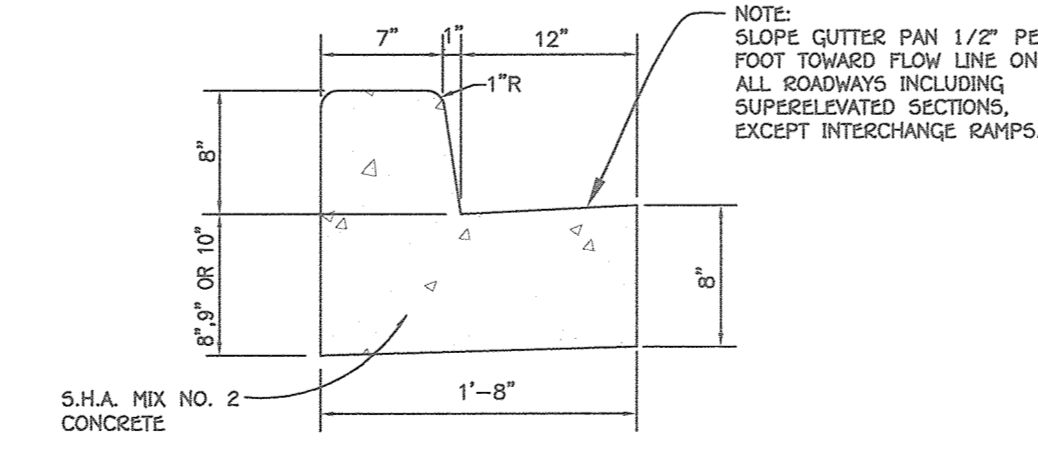
TYPICAL ROAD WIDENING (MEADOWRIDGE ROAD)

2" HOT MIX ASPHALT SUPERPAVE 12.5 mm FOR SURFACE, PG 645-22, LEVEL 2
 7" HOT MIX ASPHALT SUPERPAVE 19.0 mm FOR BASE, PG 64-22, LEVEL 2 (2-3.5" LIFTS)
 6" GRADED AGGREGATE BASE

(MEADOWRIDGE ROAD - MINOR ARTERIAL)
 S.H.A. TYPE 'D' HEAVY DUTY HMA PAVING SECTION
 NO SCALE

HMA SUPERPAVE 12.5 mm PG 645-22, LEVEL 2, FOR 2" OVERLAYS
 (MEADOWRIDGE ROAD - MINOR ARTERIAL)
 S.H.A. OVERLAY PAVING SECTION
 NO SCALE

HMA SUPERPAVE 9.5 mm PG 645-22, LEVEL 2, MAX. LIFT THICKNESS OF 2"
 (MEADOWRIDGE ROAD - MINOR ARTERIAL)
 S.H.A. WEDGE/LEVEL COURSE PAVING SECTION
 NO SCALE



MSHA TYPE 'A' COMB. CONC. CURB AND GUTTER
 NOT TO SCALE

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	CALIFORNIA BEARING RATIO (CBR)					
		3 TO <5	5 TO <7	≥7	3 TO <5	5 TO <7	≥7
P-2	PARKING DRIVE AISLES: RESIDENTIAL AND NON-RESIDENTIAL WITH NO MORE THAN 10 HEAVY TRUCKS PER DAY LOCAL ROADS: ACCESS PLACE, ACCESS STREET CUL-DE-SACS: RESIDENTIAL	PAVEMENT MATERIAL (INCHES)					
		HMA SUPERPAVE FINAL SURFACE 9.5 MM, PG 64-22, LEVEL 1 (ESAL)					
		HMA SUPERPAVE INTERMEDIATE SURFACE 9.5 MM, PG 64-22, LEVEL 1 (ESAL)					
		HMA SUPERPAVE BASE 19.0 MM, PG 64-22, LEVEL 1 (ESAL)					
D	MINOR ARTERIAL	GRADED AGGREGATE BASE (GAB)					
		2" HOT MIX ASPHALT SUPERPAVE 12.5 mm FOR SURFACE, PG 645-22, LEVEL 2					
		7" HOT MIX ASPHALT SUPERPAVE 19.0 mm FOR BASE, PG 64-22, LEVEL 2 (2-3.5" LIFTS)					
		6" GRADED AGGREGATE BASE (GAB)					

ROAD WIDENING CROSS SECTIONS
 MEADOWRIDGE VIEW
 LOTS 1 THRU 8 AND
 OPEN SPACE LOTS 9 THRU 11
 ZONED R-5C

TAX MAP No. 37 GRID No. 09 PARCEL No. 78
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: DECEMBER, 2018
 SHEET 3 OF 9

APPROVED: DEPARTMENT OF PUBLIC WORKS
 CHIEF, BUREAU OF HIGHWAYS
 DATE: 3/22/2019

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 4-3-19

CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 3-28-19

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLSWORTH CITY, MARYLAND 21042
 (410) 481 - 2895

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. 30396, EXPIRATION DATE: 01/12/2020.
 Signature of Professional Engineer: [Signature]
 DATE: 3/17/19

OWNERS
 JAMES C. JOHNSON & VALENCIA SCOTT
 6077 MEADOWRIDGE RD
 ELK RIDGE, MD 21075

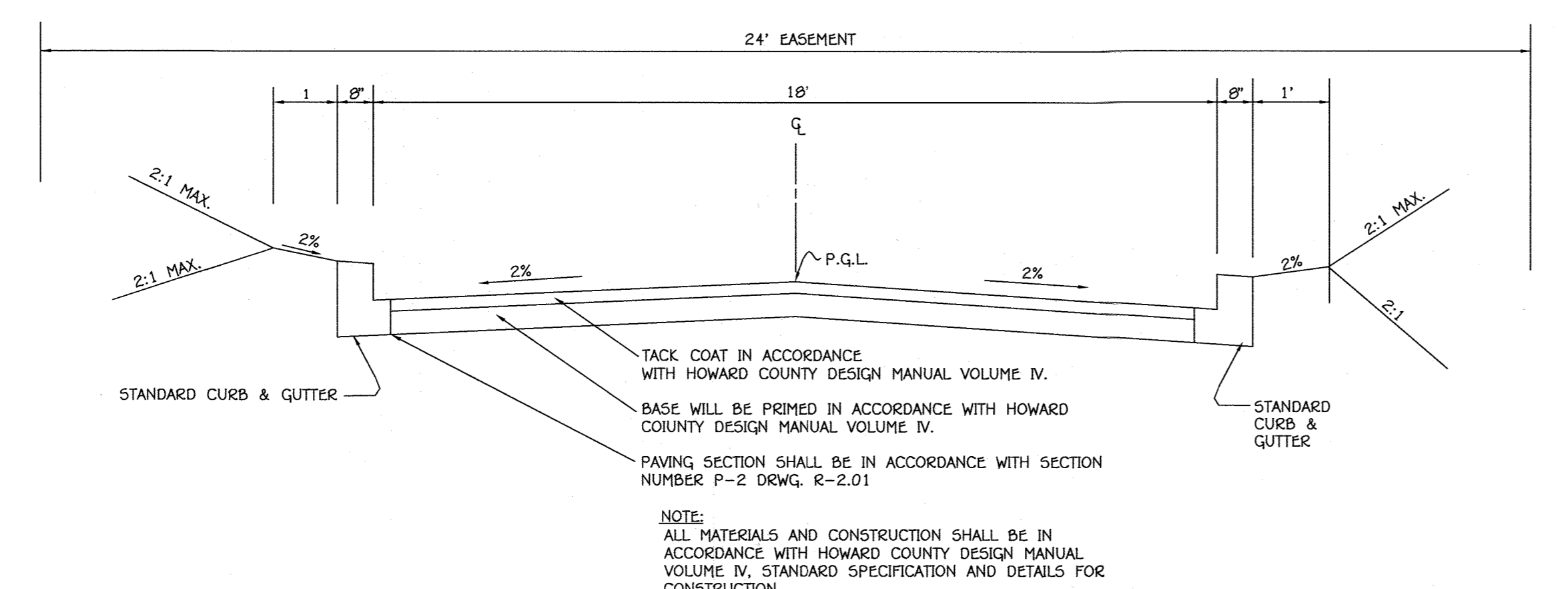
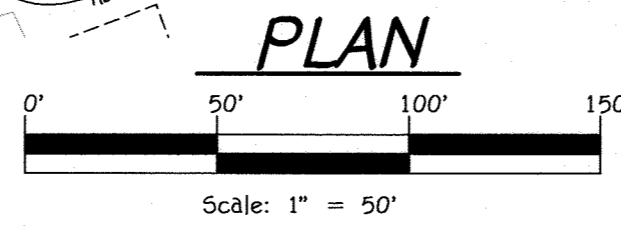
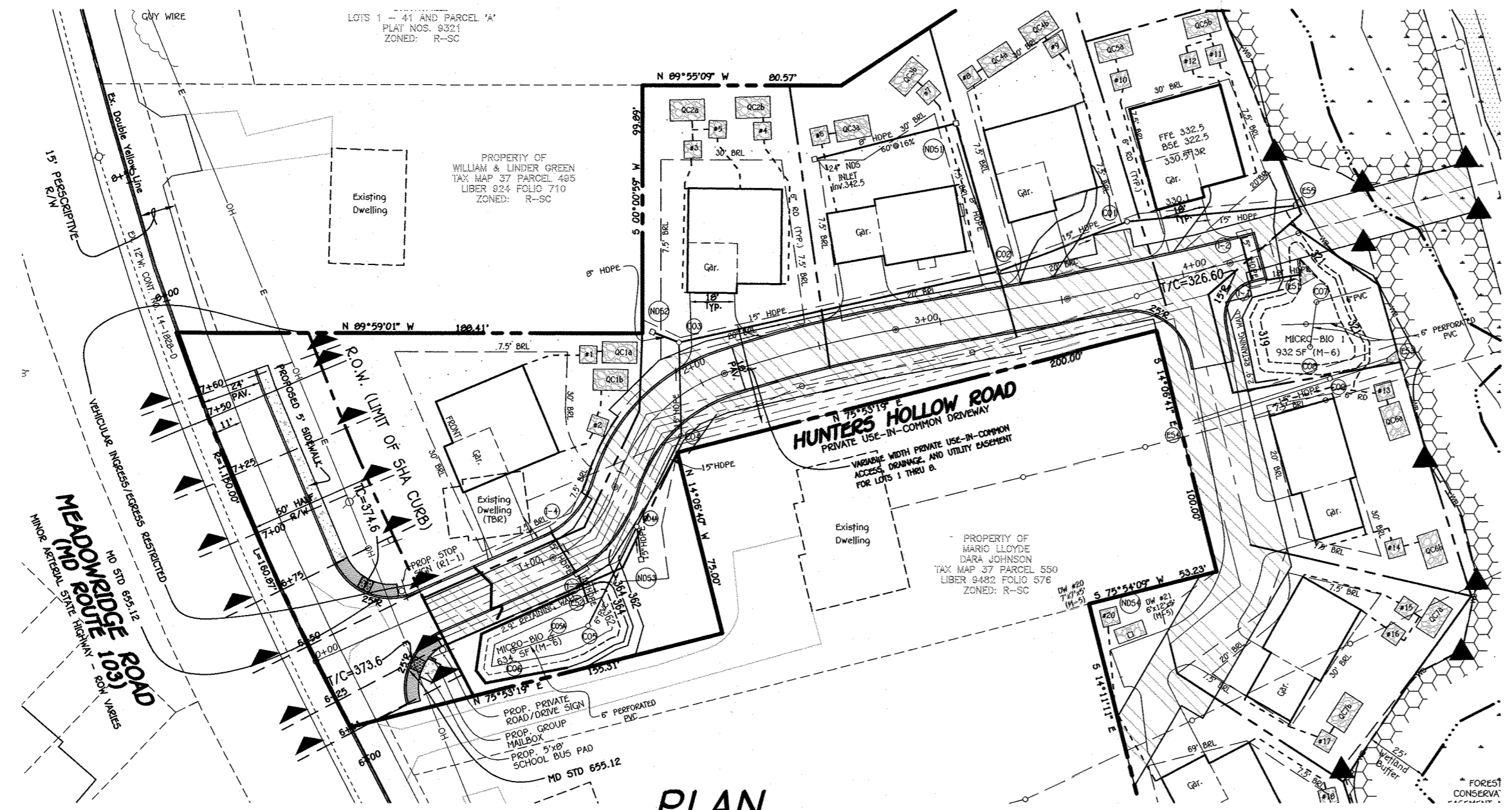
DEVELOPER
 PATAPSCO BUILDERS, LLC
 5850 WATERLOO ROAD, SUITE 140
 COLUMBIA, MD 21045
 443-367-0422

C CURVE DATA
HUNTERS HOLLOW ROAD
 STA. 1+04.62 TO STA. 1+43.74
 RADIUS = 45.00'R
 ARC LENGTH = 39.12'
 TAN. = 20.89'
 DELTA = 49° 48' 49.2"
 CHORD = N 41° 31' 07.62" E, 37.91'

C CURVE DATA
HUNTERS HOLLOW ROAD
 STA. 1+43.74 TO STA. 2+09.87
 RADIUS = 69.00'R
 ARC LENGTH = 66.13'
 TAN. = 35.85'
 DELTA = 54° 54' 34.5"
 CHORD = S 44° 04' 00.94" W, 63.62'

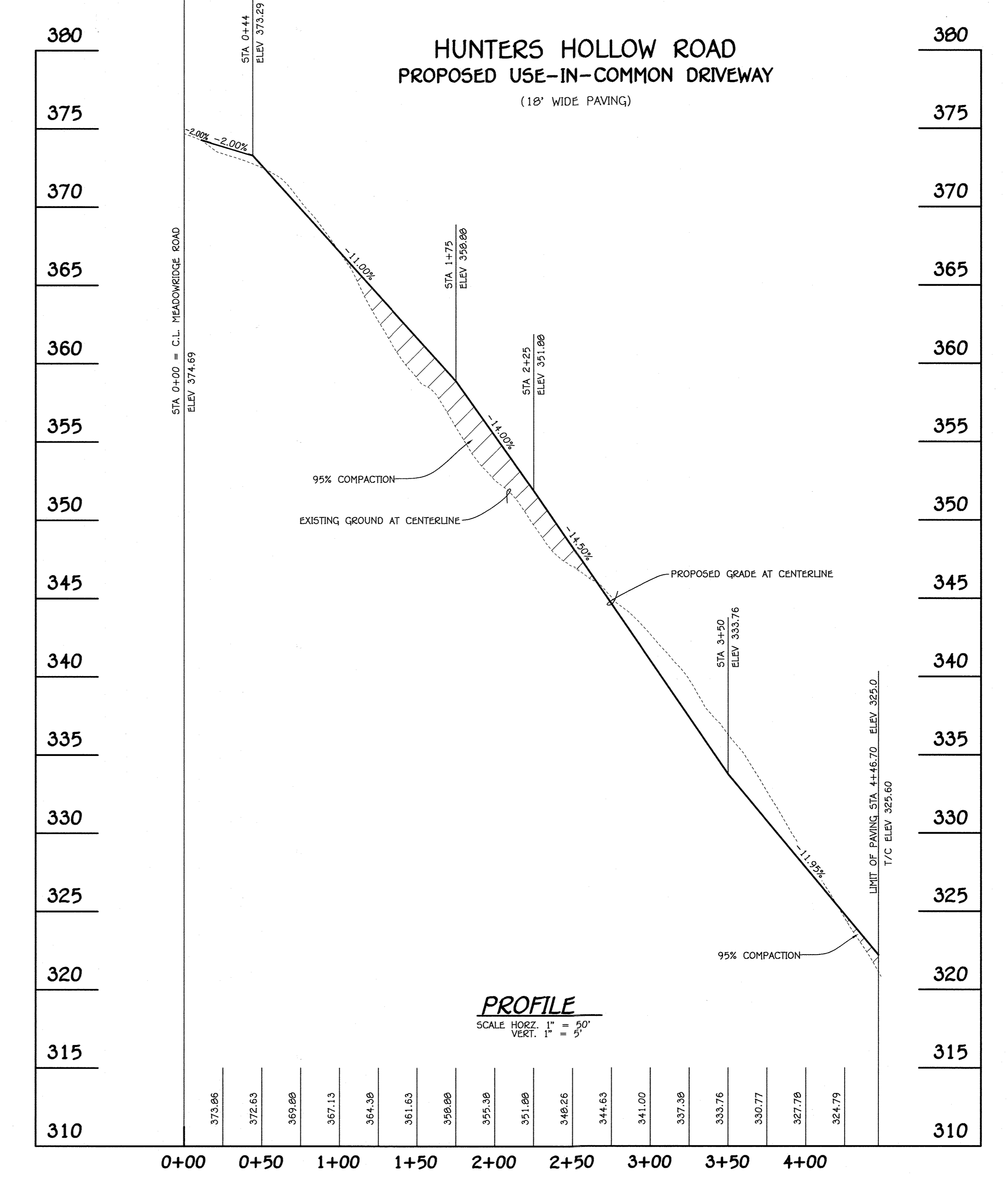
C CURVE DATA
HUNTERS HOLLOW ROAD
 STA. 2+09.87 TO STA. 2+81.63
 RADIUS = 491'R
 ARC LENGTH = 71.76'
 TAN. = 35.95'
 DELTA = 0° 22' 26.6"
 CHORD = S 75° 42' 31.49" W, 71.70'

C CURVE DATA
HUNTERS HOLLOW ROAD
 STA. 2+81.63 TO STA. 3+52.2
 RADIUS = 1,009'R
 ARC LENGTH = 67.26'
 TAN. = 33.64'
 DELTA = 3° 49' 10.4"
 CHORD = N 77° 59' 09.59" E, 67.25'



TYPICAL COMMON DRIVEWAY SECTION
NO SCALE

ROADWAY INFORMATION CHART						
ROAD NAME	CLASSIFICATION	DESIGN SPEED	ZONING	STATION LIMITS	EASEMENT	PAVING SECTION
HUNTERS HOLLOW ROAD	PRIVATE DRIVEWAY	15 M.P.H.	R-5C	0+00 TO 4+46.70	24'	P-2



PROFILE
SCALE HORIZ. 1" = 50'
VERT. 1" = 5'

APPROVED: DEPARTMENT OF PUBLIC WORKS	<i>[Signature]</i>	11/22/2021	DATE
CHIEF, BUREAU OF HIGHWAYS	MJK		
APPROVED: DEPARTMENT OF PLANNING AND ZONING	<i>[Signature]</i>	12/16/21	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT			
<i>[Signature]</i>		4-20-21	DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION	NY		

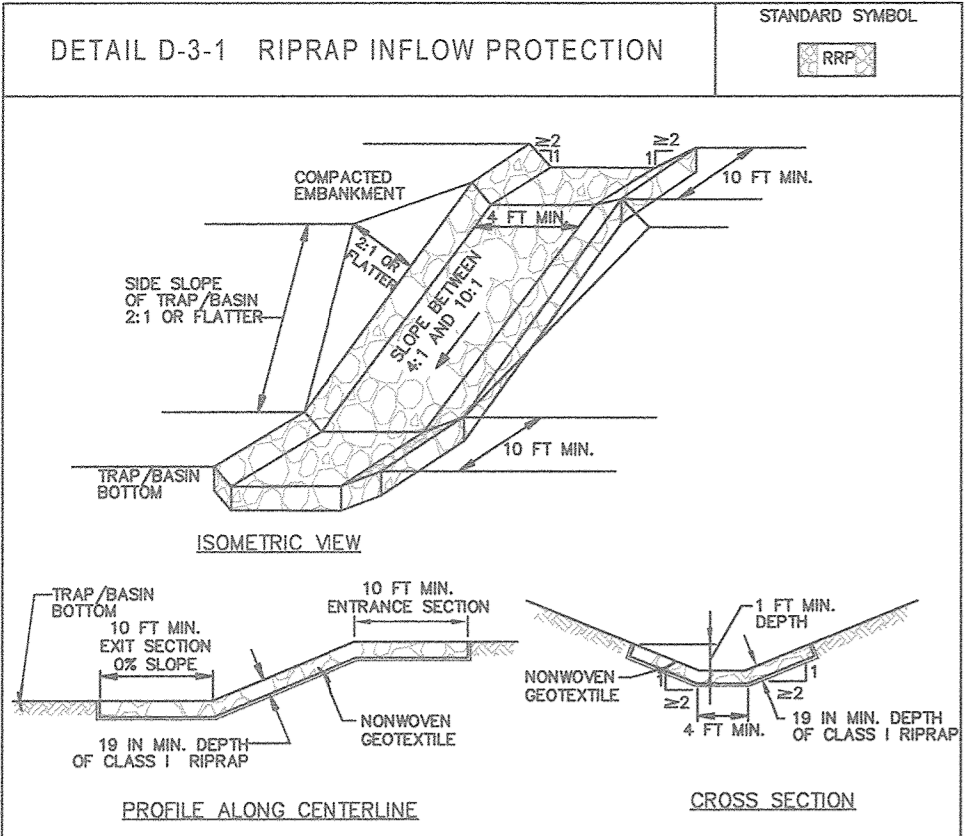
OWNERS
 JAMES C. JOHNSON & VALENCIA SCOTT
 6077 MEADOWRIDGE RD
 ELK RIDGE, MD 21075

DEVELOPER
 PATAPSCO BUILDERS, LLC
 5050 WATERLOO ROAD, SUITE 140
 COLUMBIA, MD 21045
 443-367-0422



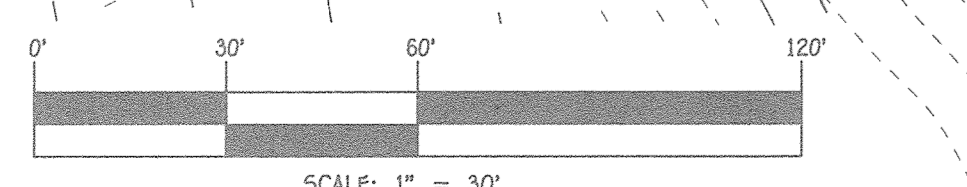
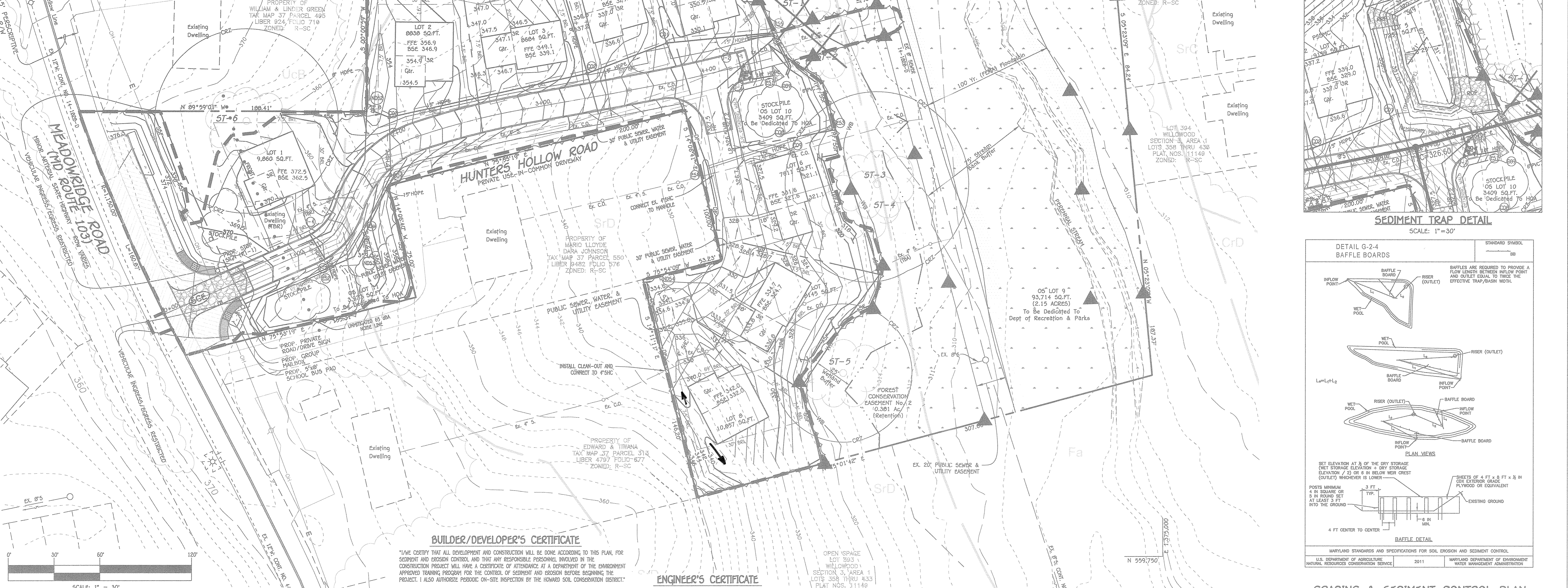
Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly Licensed Professional Engineer under the laws of the State of Maryland, License No. 20748, Expiration Date 2-22-23.

REVISED DRIVEWAY PROFILE
MEADOWRIDGE VIEW
 LOTS 1 THRU 8 AND
 OPEN SPACE LOTS 9 THRU 11
 ZONED R-5C
 TAX MAP No. 37 GRID No. 09 PARCEL No. 78
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: DECEMBER, 2018
 REVISED DATE: APRIL 20, 2021
 SHEET 4 OF 9



- CONSTRUCTION SPECIFICATIONS**
1. PROVIDE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND ALONG SIDES OF ALL RIPRAP.
 2. CONSTRUCT INFLOW CHANNEL WITH CLASS 1 RIPRAP OR EQUIVALENT RECYCLED CONCRETE LINING TO A MINIMUM DEPTH OF 10 INCHES (2' x 2') AND A 1 FOOT DEEP FLOW CHANNEL. INFLOW RIPRAP PROTECTION CHANNEL MUST HAVE A TRAPEZOIDAL CROSS SECTION WITH 2:1 OR FLATTER SIDE SLOPES AND A 4 FOOT MINIMUM BOTTOM WIDTH.
 3. INSTALL ENTRANCE AND EXIT SECTIONS AS SHOWN ON THE PROFILE.
 4. BLEND RIPRAP INTO EXISTING GROUND.
 5. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011
 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



BUILDER/DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, FOR SEDIMENT AND EROSION CONTROL AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

ENGINEER'S CERTIFICATE

"I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND VOUCHABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

APPROVED: DEPARTMENT OF PUBLIC WORKS	<i>[Signature]</i>	3/22/2019	DATE
CHIEF, BUREAU OF HIGHWAYS			
APPROVED: DEPARTMENT OF PLANNING AND ZONING	<i>[Signature]</i>	4-3-19	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT			
	<i>[Signature]</i>	3-28-19	DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION			

SIGNATURE OF DEVELOPER	<i>[Signature]</i>	3/3/19	DATE
NO.	REVISION	DATE	

SIGNATURE OF ENGINEER	<i>[Signature]</i>	2/17/19	DATE
OWNERS	JAMES C. JOHNSON & VALENCIA SCOTT 6077 MEADOWRIDGE RD ELK RIDGE, MD 21075		
DEVELOPER	PATAPSCO BUILDERS, LLC 5850 WATERLOO ROAD, SUITE 140 COLUMBIA, MD 21045 443-367-0422		

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. 38386, EXPIRATION DATE: 01/12/2020.

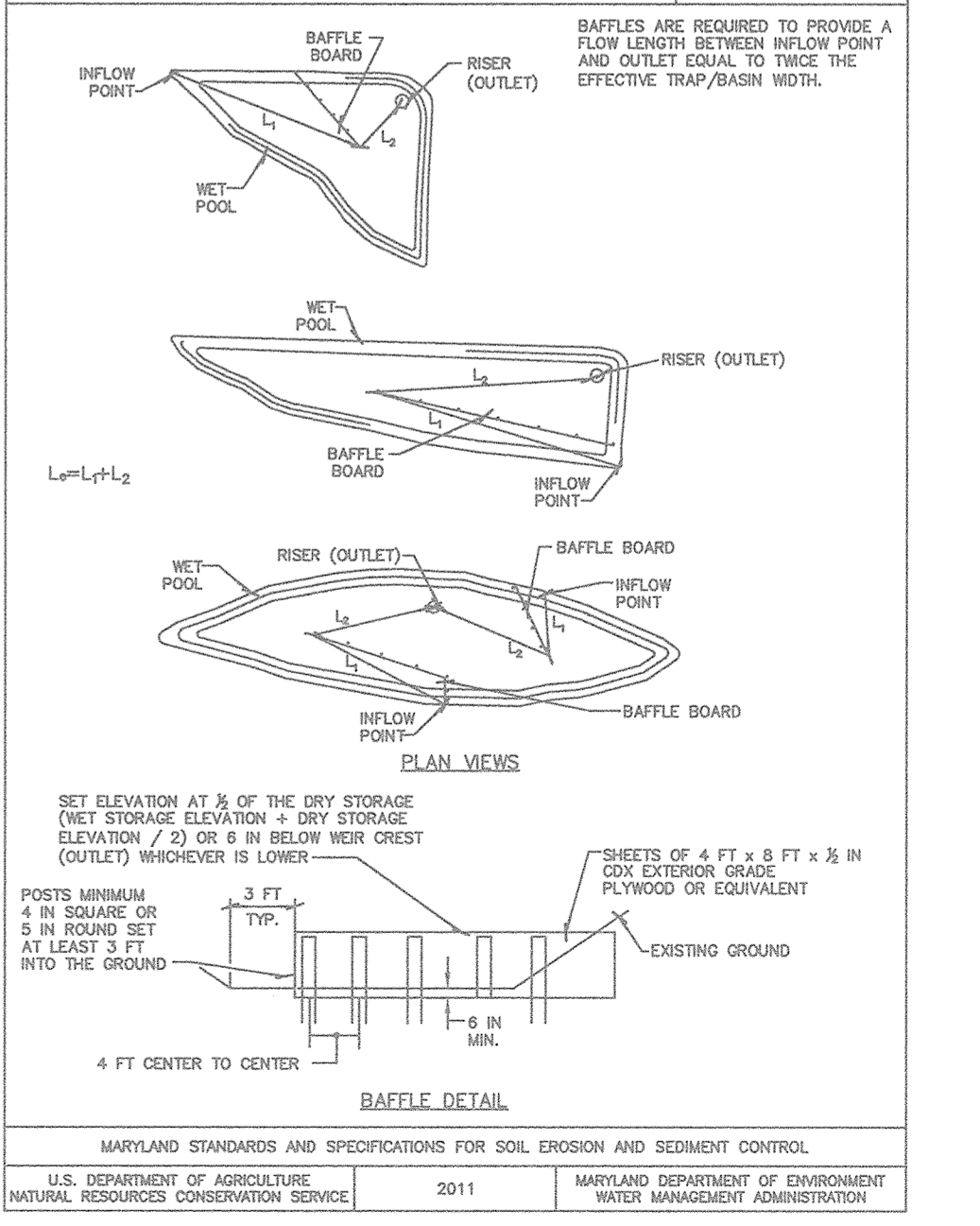
[Signature] 2/17/19
 Signature of Professional Engineer DATE



GRADING & SEDIMENT CONTROL PLAN

MEADOWRIDGE VIEW
 LOTS 1 THRU 8 AND
 OPEN SPACE LOTS 9 THRU 11
 ZONED R-SC
 TAX MAP NO. 37 GRID NO. 09 PARCEL NO. 78
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: DECEMBER, 2018
 SHEET 5 OF 9

DETAIL G-2-4 BAFFLE BOARDS



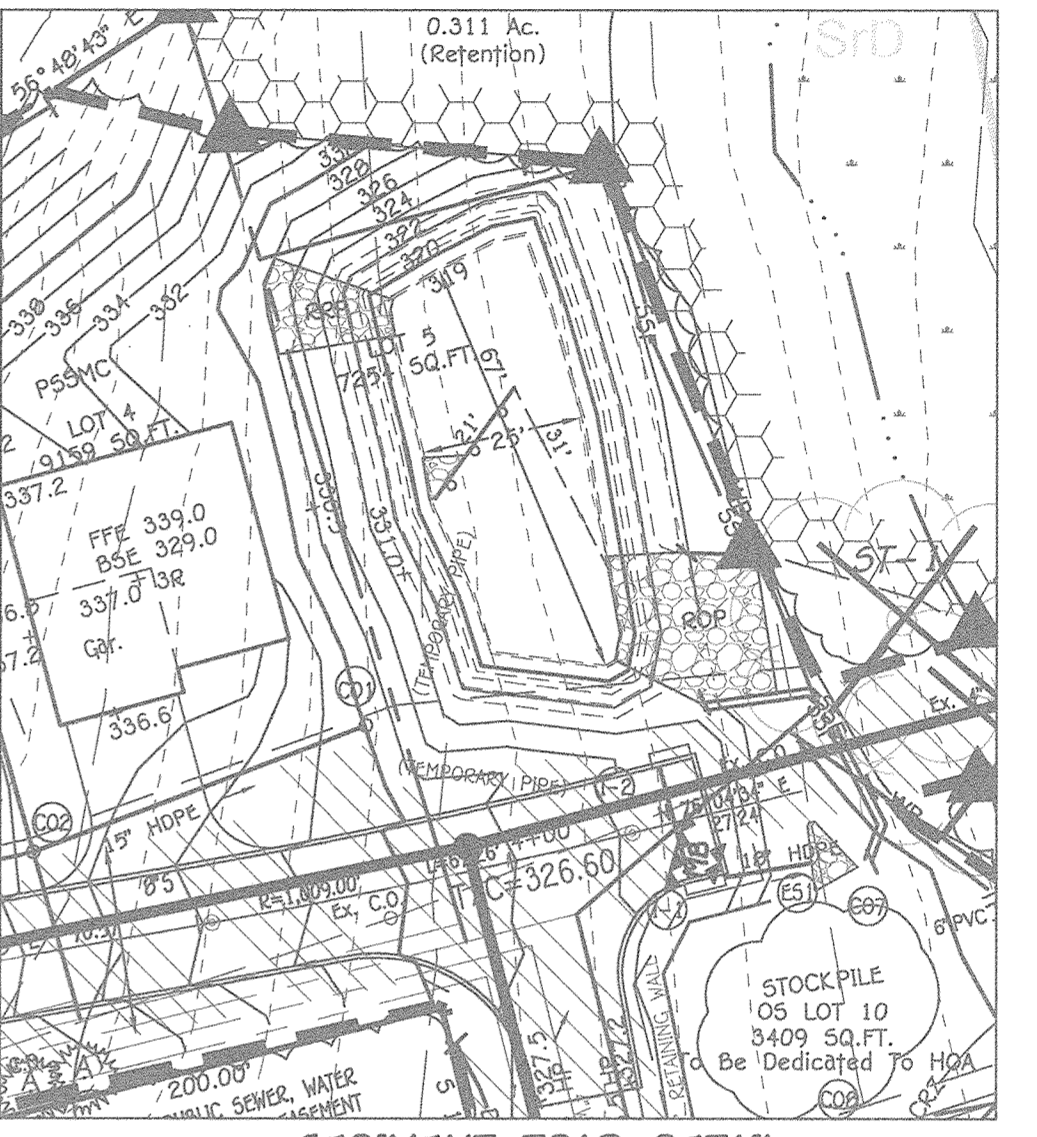
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011
 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

LEGEND

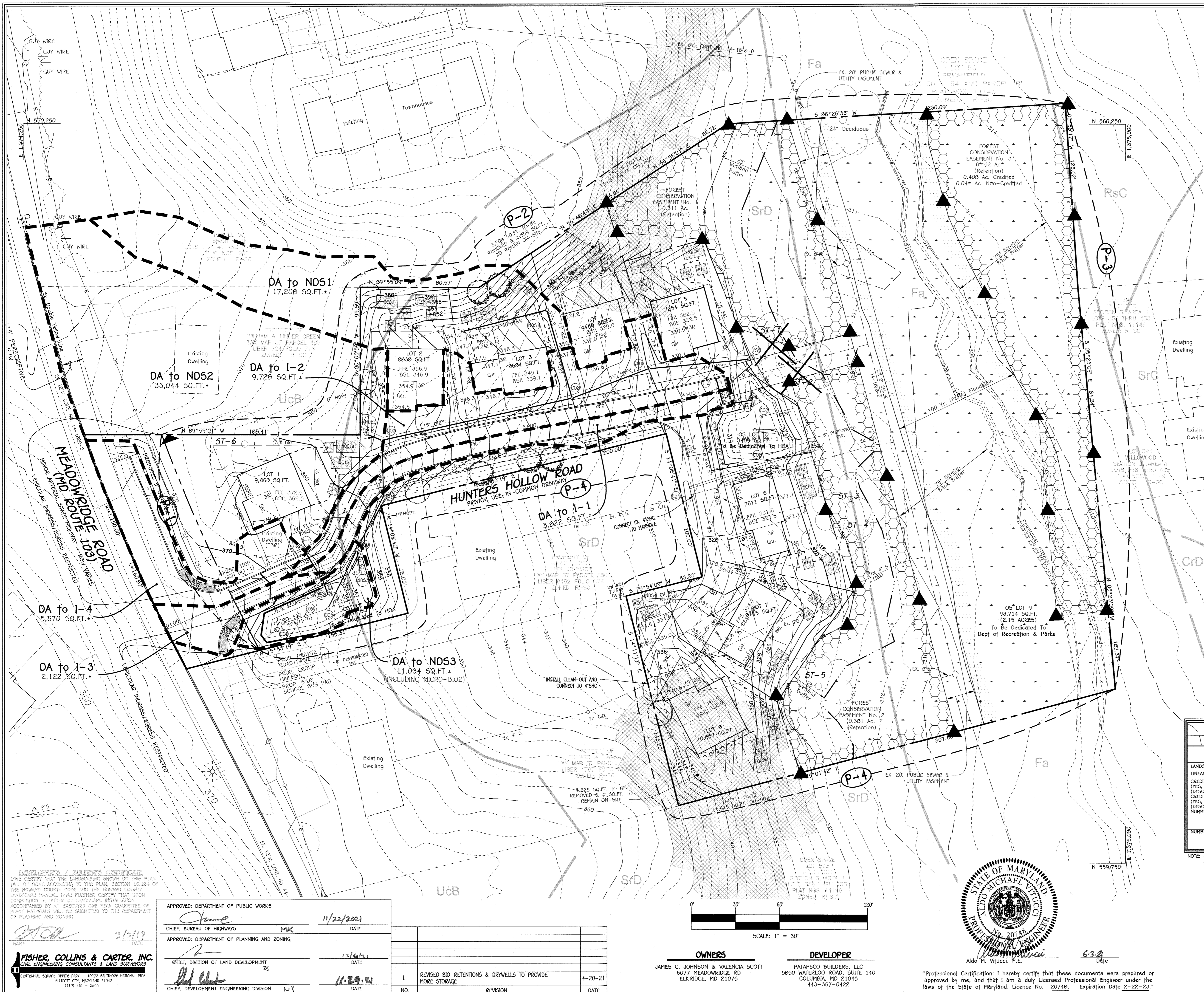
SYMBOL	DESCRIPTION
---	EXISTING 2' CONTOURS
---	EXISTING 10' CONTOURS
---	SOILS LINES AND TYPE
---	EXISTING TREELINE
---	PROPOSED TREELINE
---	PROPOSED CONTOUR
---	PROPOSED DRYWELL (M-S)
+	SPOT ELEVATION
---	FLOW ARROW
○	EXISTING POWER POLE
○	SPECIMEN TREE
○	EXISTING TREES
---	LIMITS OF DISTURBANCE
---	SILT FENCE
---	SUPER SILT FENCE
---	TREE PROTECTIVE FENCE & SUPER SILT FENCE WITH FLAGGING
---	STABILIZED CONSTRUCTION ENTRANCE
---	DRAINAGE AREA DIVIDE
---	WETLANDS
---	FEMA FLOODPLAIN
---	CRITICAL ROOT ZONE

- NOTE:**
1. PERMANENT OR TEMPORARY STABILIZATION IS TO BE PERFORMED AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR AT THE INTERVALS REQUIRED BY THE 2011 MD STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL WHICHEVER IS MORE STRINGENT.
 2. STANDARD FENCING IS TO BE UPGRADED TO SSF AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR.

STONE OUTLET SEDIMENT TRAP
 TRAP TYPE = ST-II
 DRAINAGE AREA = 1.70 AC.
 TOTAL STORAGE REQUIRED = 6,120 CU.FT.
 TOTAL STORAGE PROVIDED = 6,140 CU.FT.
 WET STORAGE REQUIRED = 3,060 CU.FT.
 WET STORAGE PROVIDED = 3,060 CU.FT. @ 320.50
 DRY STORAGE REQUIRED = 3,060 CU.FT.
 DRY STORAGE PROVIDED = 3,080 CU.FT. @ 321.80
 EXISTING GROUND ELEV AT OUTLET = 322.0
 BOTTOM OF TRAP ELEV = 318.80
 BOTTOM OF TRAP DIMENSIONS = 24 FT x 67 FT
 WEIR LENGTH = 20 FT
 WEIR CREST ELEV = 321.80
 CLEANOUT ELEV = 319.65
 TOP OF EMBANKMENT = 322.20
 SIDE SLOPES = 2:1
 EMBANKMENT WIDTH = 4 FT
 EMBANKMENT HEIGHT = 4 FT
 OUTLET PROTECTION APRON LENGTH = 12 FT
 OUTLET PROTECTION DEPTH = 19 INCHES
 BAFFLES - LENGTH REQUIRED = 2W = 2(24') = 48'
 LENGTH PROVIDED = 52'



L:\2018\1806\Engineering\Drawings\1806-3001\PS\PSHEET SET.dwg, 05-GRAD-SED-CON, 2/18/2019 8:08:07 PM, stuba, 1:1



LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
-492-	EXISTING 2' CONTOURS	ST-1	SPECIMEN TREE
-490-	EXISTING 10' CONTOURS	ST-2	EXISTING TREES
SOILS	SOILS LINES AND TYPE	15%	SLOPES 15% TO 25%
EXISTING	EXISTING TREELINE	25%+	SLOPES 25% OR GREATER
PROPOSED	PROPOSED TREELINE	DA	DRAINAGE AREA DIVIDE
PROPOSED	PROPOSED CONTOUR	W	WETLANDS
PROPOSED	PROPOSED DRYWELL (M-5)	F	FEMA FLOODPLAIN
362.5	SPOT ELEVATION	→	FLOW ARROW
○	EXISTING POWER POLE	▲	FOREST CONSERVATION SIGNAGE
CRZ	CRITICAL ROOT ZONE		

DRAINAGE AREA INFORMATION			
STR #	AREA	C FACTOR	Tc
I-1	0.09 AC	0.80	10 MIN.
I-2	0.22 AC	0.55	10 MIN.
I-3	0.05 AC	0.83	10 MIN.
I-4	0.13 AC	0.77	10 MIN.
ND51	0.40 AC	0.37	10 MIN.
ND52	0.76 AC	0.40	10 MIN.
ND53	0.25 AC	0.65	10 MIN.

SOILS LEGEND			
SOIL	NAME	CLASS	K FACTOR
Fa	Fallsington sandy loam, 0 to 2 percent slopes	D	0.20
RaC	Russett fine sandy loam, 5 to 10 percent slopes	C	0.24
SrD	Sassafras and Croom soils, 10 to 15 percent slopes	B	0.37
UcB	Urban land-Chillum-Beltville complex, 0 to 5 percent slopes	D	0.37

LANDSCAPING PLANT LIST			
QTY.	KEY	NAME	SIZE
5	○	ACER RUBRUM 'OCTOBER GLORY' (OCTOBER RED MAPLE)	2 1/2" - 3" CALIPER FULL CROWN, B&B
6	○	PRUNUS SARGENTII (SARGENT CHERRY)	2 1/2" - 3" CALIPER FULL CROWN, B&B
10	○	THUJA STANDISHII X PLICATA (GREEN GIANT ARBOREVITAE)	5'-6' HT. B&B

TOTAL: 11 SHADE TREES, 10 EVERGREEN TREES

Specimen Tree Chart				
Key	Species	Size (in. DBH)	CRZ (feet radius)	Comments (good unless otherwise noted)
* 1	Red maple	52.5	78.75	poor condition, broken trunk
* 2	Red maple	33	49.5	good condition
3	Red maple	40	60	fair condition, twin stems, weak attachment
4	Red maple	33	49.5	poor condition, major trunk rot
5	Sweet Gum	30	45	good condition, twin stems
6	Red maple	40	60	good condition

* TO BE REMOVED PER WP-17-119

SCHEDULE A PERIMETER LANDSCAPE EDGE						
PERIMETER	P1	P2	P3	P4	SPECIMEN TREES	TOTAL
CATEGORY	Front to Roadway	Adjacent to Perimeter Properties	Adjacent to Perimeter Properties	Adjacent to Perimeter Properties		
LANDSCAPE TYPE	N/A	A	A	A		
LINEAR FEET OF PERIMETER	136 LF	740 LF	398 LF	986 LF		
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	-	YES, 378 LF & ONE (1) SPECIMEN TREE	YES, 398 LF	YES, 349 LF		
CREDIT FOR WALL, FENCE OR BEAM (YES, NO, LINEAR FEET) (DESCRIBE IF NEEDED)	-	-	-	-		
NUMBER OF PLANTS REQUIRED						
SHADE TREES	-	5	0	11	4	20
EVERGREEN TREES	-	-	-	-	-	-
SHRUBS	-	-	-	-	-	-
NUMBER OF PLANTS PROVIDED						
SHADE TREES	-	5	0	2	4	11
EVERGREEN TREES	-	-	-	18	-	18
SHRUBS	-	-	-	-	-	-

NOTE: - ALONG PERIMETER 2, CREDIT IS TAKEN FOR THE 47' RED MAPLE TO REMAIN IN ADDITION TO 378 LF OF EXISTING FOREST.
 - 4 ADDITIONAL SHADE TREES ARE TO BE PLANTED FOR THIS SUBDIVISION, AS A CONDITION OF APPROVAL OF WP-17-119 FOR THE REMOVAL OF 2 SPECIMEN TREES

REVISED LANDSCAPE, FOREST CONSERVATION & INLET DRAINAGE AREA PLAN
MEADOWRIDGE VIEW
 LOTS 1 THRU 8 AND OPEN SPACE LOTS 9 THRU 11
 ZONED R-5C

TAX MAP No. 37 GRID No. 09 PARCEL No. 78
 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: DECEMBER, 2018
 REVISED DATE: APRIL 20, 2021
 SHEET 6 OF 9

APPROVED: DEPARTMENT OF PUBLIC WORKS
 [Signature] 11/22/2021
 CHIEF, BUREAU OF HIGHWAYS MKK DATE

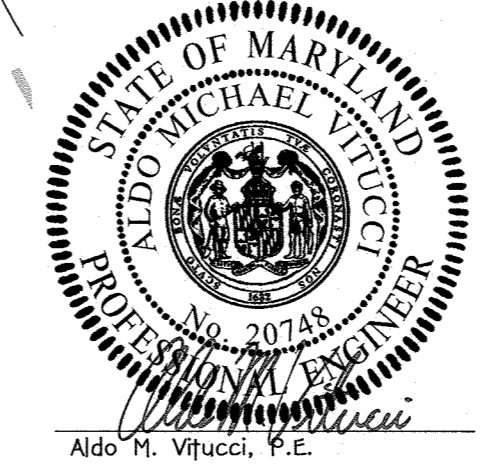
APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 12/6/21
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

APPROVED: DEPARTMENT OF ENGINEERING
 [Signature] 11-29-21
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PLACE
 ELK RIDGE CITY, MARYLAND 21106
 (410) 461-2095

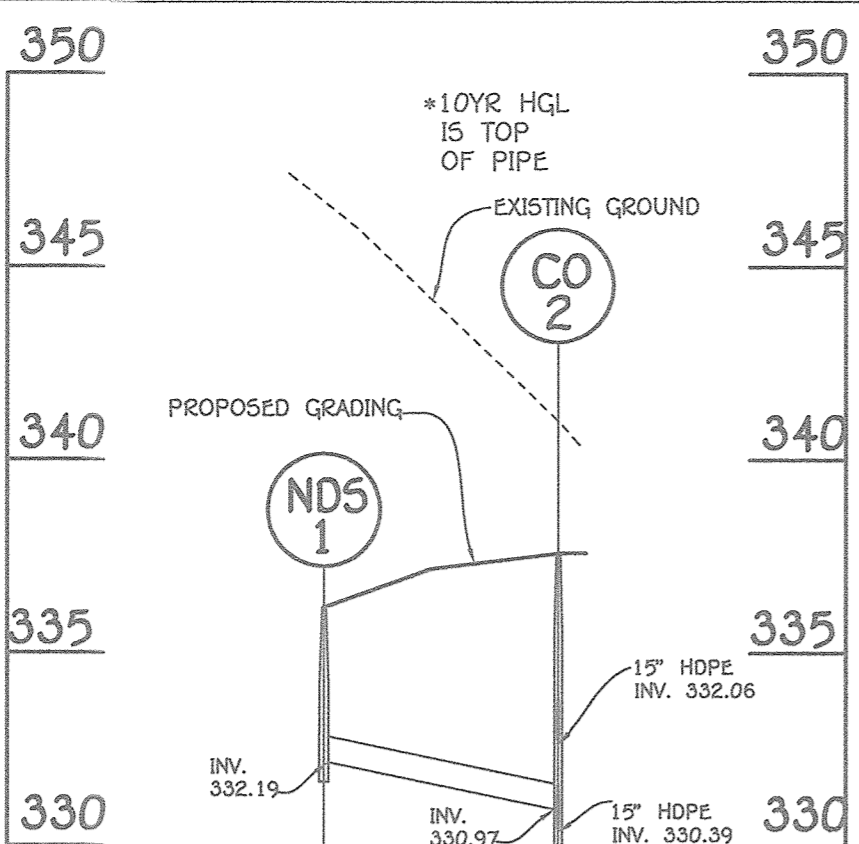
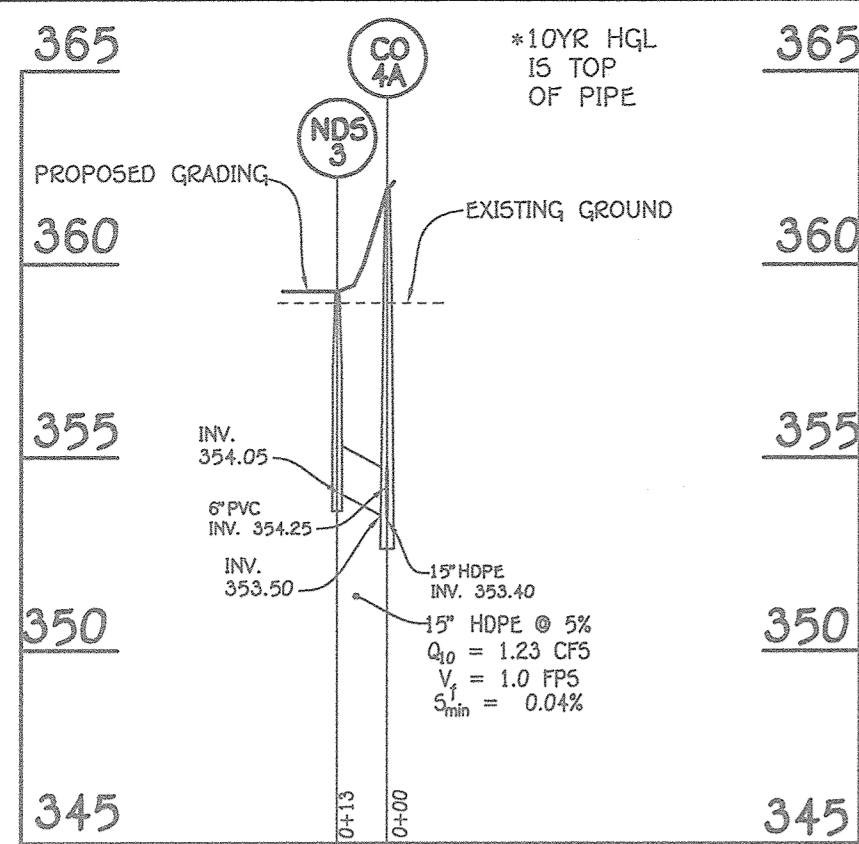
OWNERS
 JAMES C. JOHNSON & VALENCIA SCOTT
 6077 MEADOWRIDGE RD
 ELK RIDGE, MD 21075

DEVELOPER
 PATAPSCO BUILDERS, LLC
 5650 WATERLOO ROAD, SUITE 1140
 COLUMBIA, MD 21045
 443-367-0422



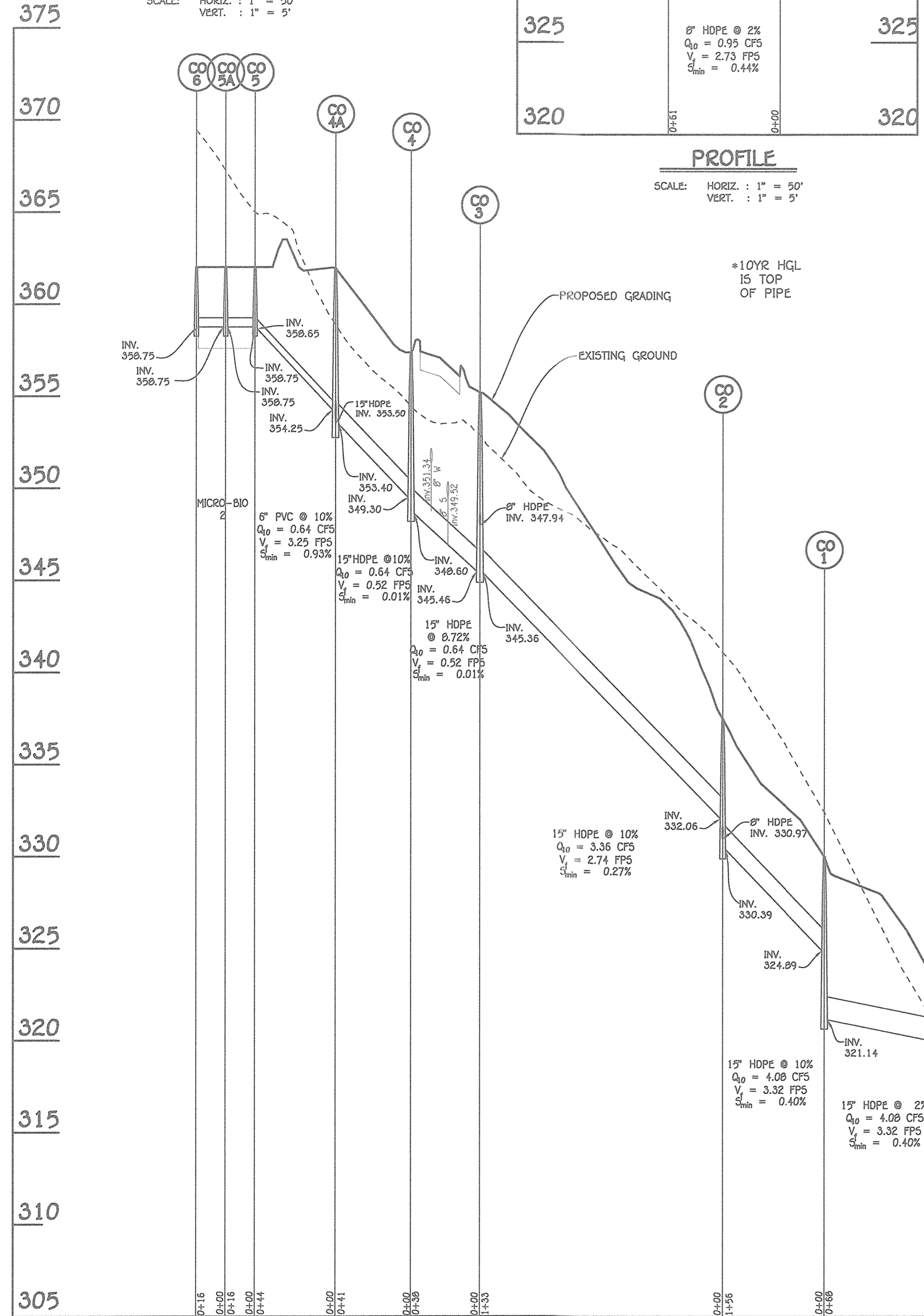
"Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly Licensed Professional Engineer under the laws of the State of Maryland, License No. 20748, Expiration Date 2-22-23."

I:\2018\16046\Engineering\Drawings\Final\1001 FP SHEET SET.dwg 10/19/2021 14:23 PM Downloads\T16046\Temporary\p03_11

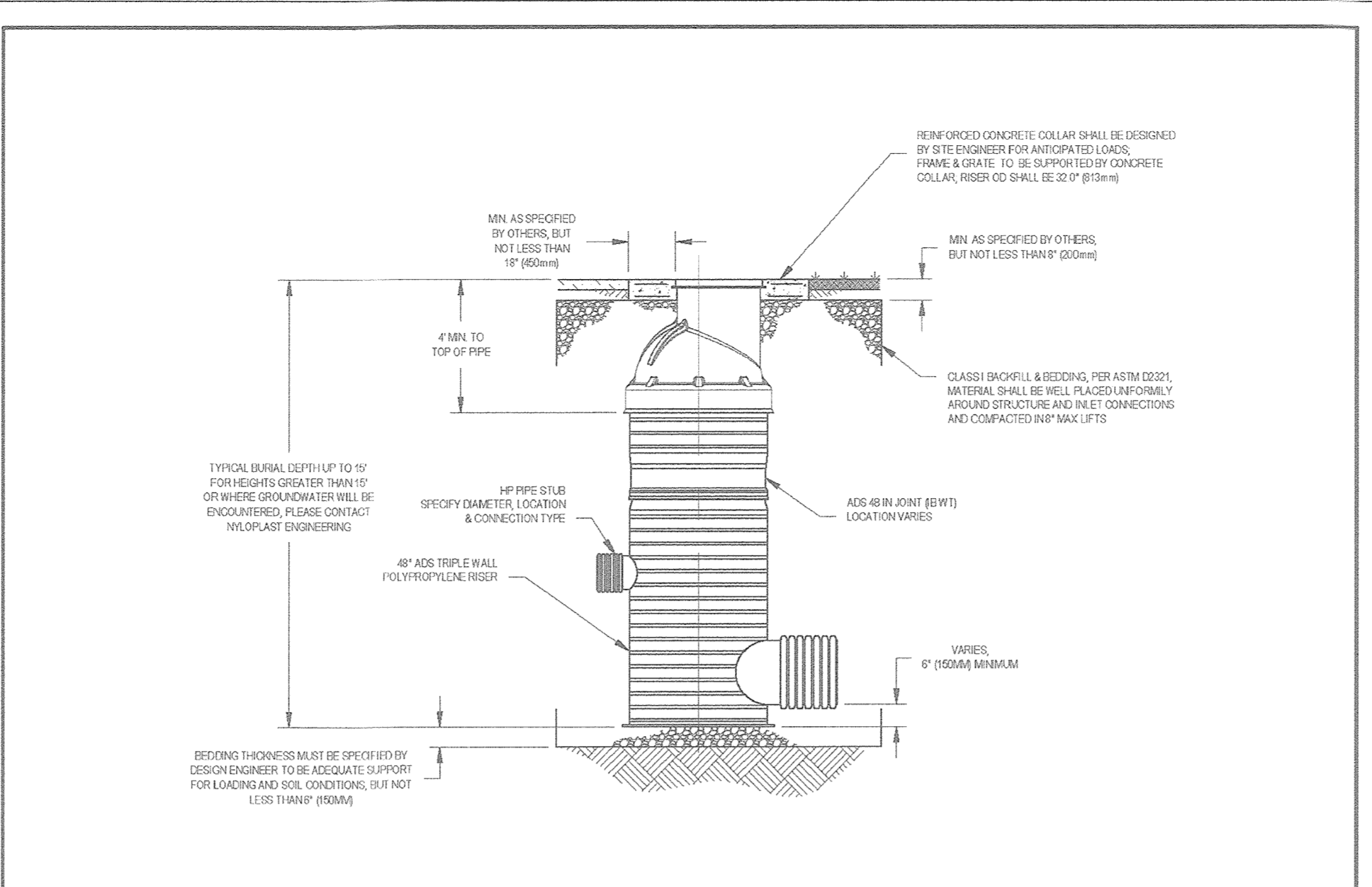


PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

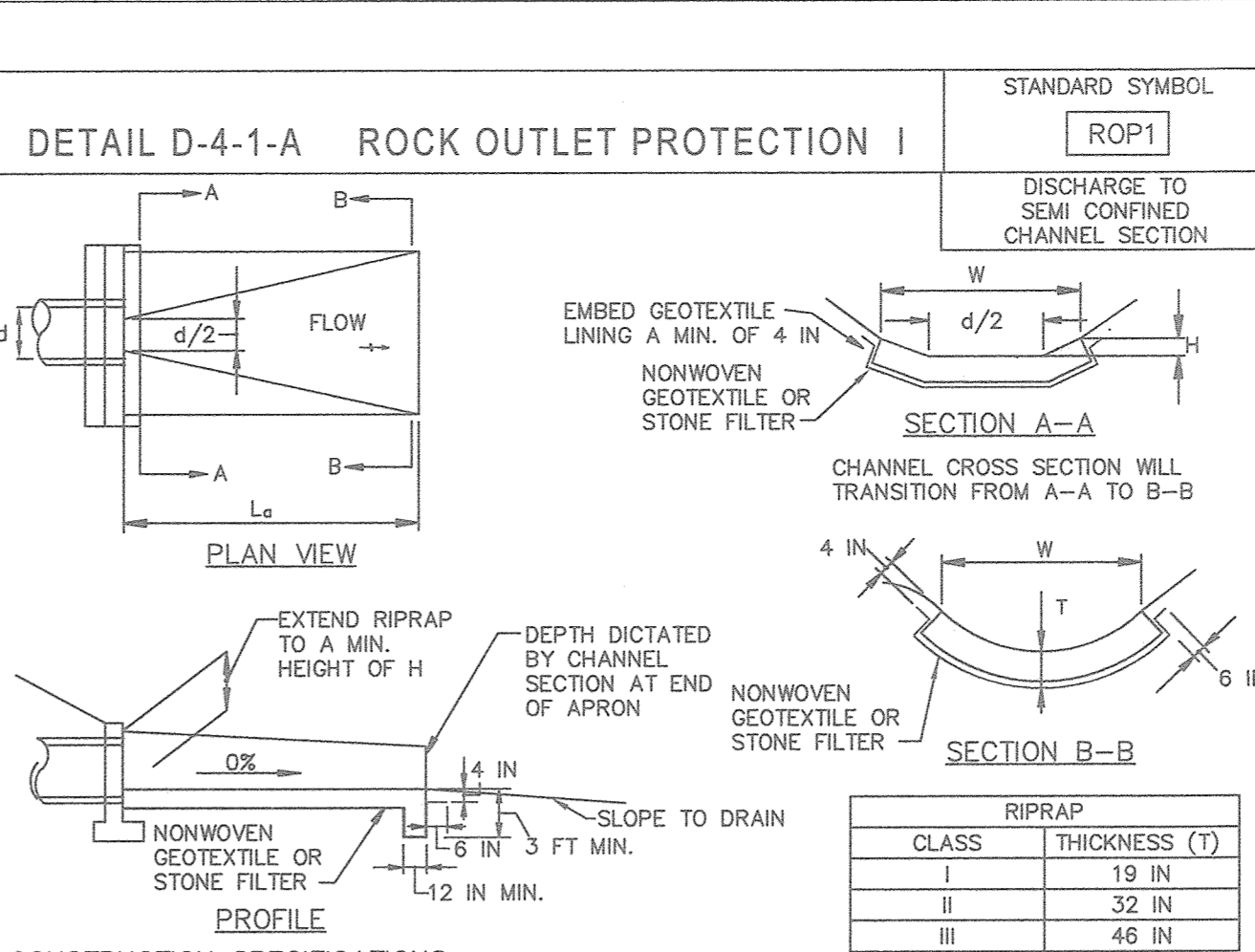
PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'



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



CLASS	THICKNESS (T)
I	19 IN
II	32 IN
III	46 IN



CONSTRUCTION SPECIFICATIONS

- RIPRAP AND STONE MUST CONFORM TO THE SPECIFIED CLASS.
- USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, AND PROTECT FROM PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE TOGETHER.
- PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (3/4 TO 1 1/2 INCH STONE FOR 6 INCH MINIMUM DEPTH) AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
- EXTEND GEOTEXTILE AT LEAST 6 INCHES BEYOND EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES AT SIDES OF THE RIPRAP.
- CONSTRUCT RIPRAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIPRAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENEOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE RIPRAP IN A MANNER TO PREVENT DAMAGE TO THE STONE FILTER BLANKET OR GEOTEXTILE. HAND PLACE TO THE EXTENT NECESSARY.
- WHERE NO ENDWALL IS USED, CONSTRUCT THE UPSTREAM END OF THE APRON SO THAT THE WIDTH IS TWO TIMES THE DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET BY A MINIMUM OF 18 INCHES.
- CONSTRUCT APRON WITH 0% SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS IN WITH EXISTING GROUND.
- MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND DISLODGED RIPRAP. MAKE NECESSARY REPAIRS IMMEDIATELY.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

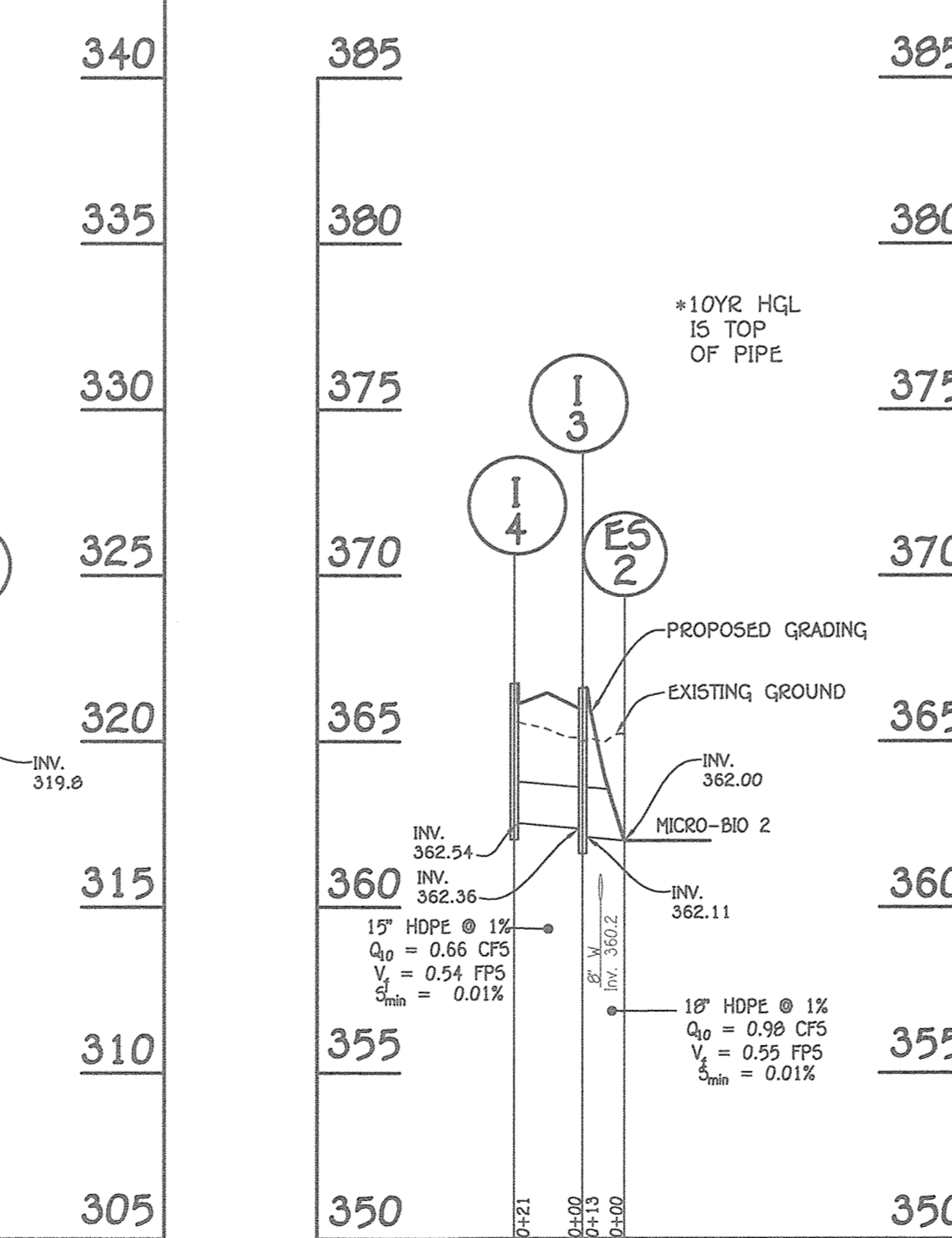
STRUCTURE SCHEDULE					
STR #	STATION & OFFSET OR COORDINATES	TOP ELEV	TYPE	INV IN	INV OUT
CO1	N 560,084.025 E 1,374,675.232	330.00	48" HP MANHOLE	325.14	321.14
CO2	N 560,064.327 E 1,374,623.222	337.60	48" HP MANHOLE	332.64 330.97	330.64
CO3	N 560,035.700 E 1,374,493.774	355.00	48" HP MANHOLE	347.94 346.11	345.94
CO4	N 559,998.075 E 1,374,494.754	355.00	48" HP MANHOLE	350.25	349.25
CO4A	N 559,998.075 E 1,374,494.754	361.80	48" HP MANHOLE	354.25	354.15
CO5	N 559,921.722 E 1,374,441.882	362.75	6" CLEANOUT	358.75	358.65
CO5A	N 559,916.646 E 1,374,441.882	362.75	6" CLEANOUT	358.75	358.75
CO6	N 559,911.571 E 1,374,426.689	362.75	6" CLEANOUT	-	358.75
CO7	N 560,051.708 E 1,374,751.882	320.25	6" CLEANOUT	316.25	316.15
CO8	N 560,033.678 E 1,374,749.331	320.25	6" CLEANOUT	-	316.25
CO9	N 560,020.924 E 1,374,757.309	320.70	15" CLEANOUT	316.84	316.74
I-1	N 560,060.810 E 1,374,727.896	325.60	A-5	316.99	316.74
I-2	N 560,078.162 E 1,374,723.095	325.60	A-5	-	320.06
I-3	N 559,944.811 E 1,374,453.512	366.60	A-5	362.36	362.11
I-4	N 559,958.412 E 1,374,439.508	366.80	A-5	-	362.54
ES1	N 560,062.747 E 1,374,745.204	---	18" HDPE END SECTION	-	319.50
ES2	N 559,930.901 E 1,374,457.086	---	18" HDPE END SECTION	-	362.00
ES3	N 560,029.168 E 1,374,783.020	---	15" HDPE END SECTION	-	316.20
ES4	N 560,003.239 E 1,374,702.154	---	15" HDPE END SECTION	325.5	-
ES5	N 560,090.423 E 1,374,742.581	---	15" HDPE END SECTION	319.8	-
ND51	N 560,233.993 E 1,374,483.090	336.2	24" NDS INLET	-	332.19
ND52	N 560,039.893 E 1,374,483.090	352.8	24" NDS INLET	-	348.94
ND53	N 559,948.349 E 1,374,478.517	359.3	24" NDS INLET	-	354.80
ND54	N 559,917.761 E 1,374,676.672	334.1	24" NDS INLET	-	-

NOTE: * LOCATION OF CO IS TO CENTER OF CLEANOUT CAP OR CENTER OF MH.
* LOCATION OF INLET IS TO CENTER FACE OF INLET AT TOP OF CURB.
* LOCATION OF END SECTION IS TO CENTER AT INTERSECTION OF END SECTION AND PIPE.
* NDS STRUCTURES ARE TO CENTER OF INLET.

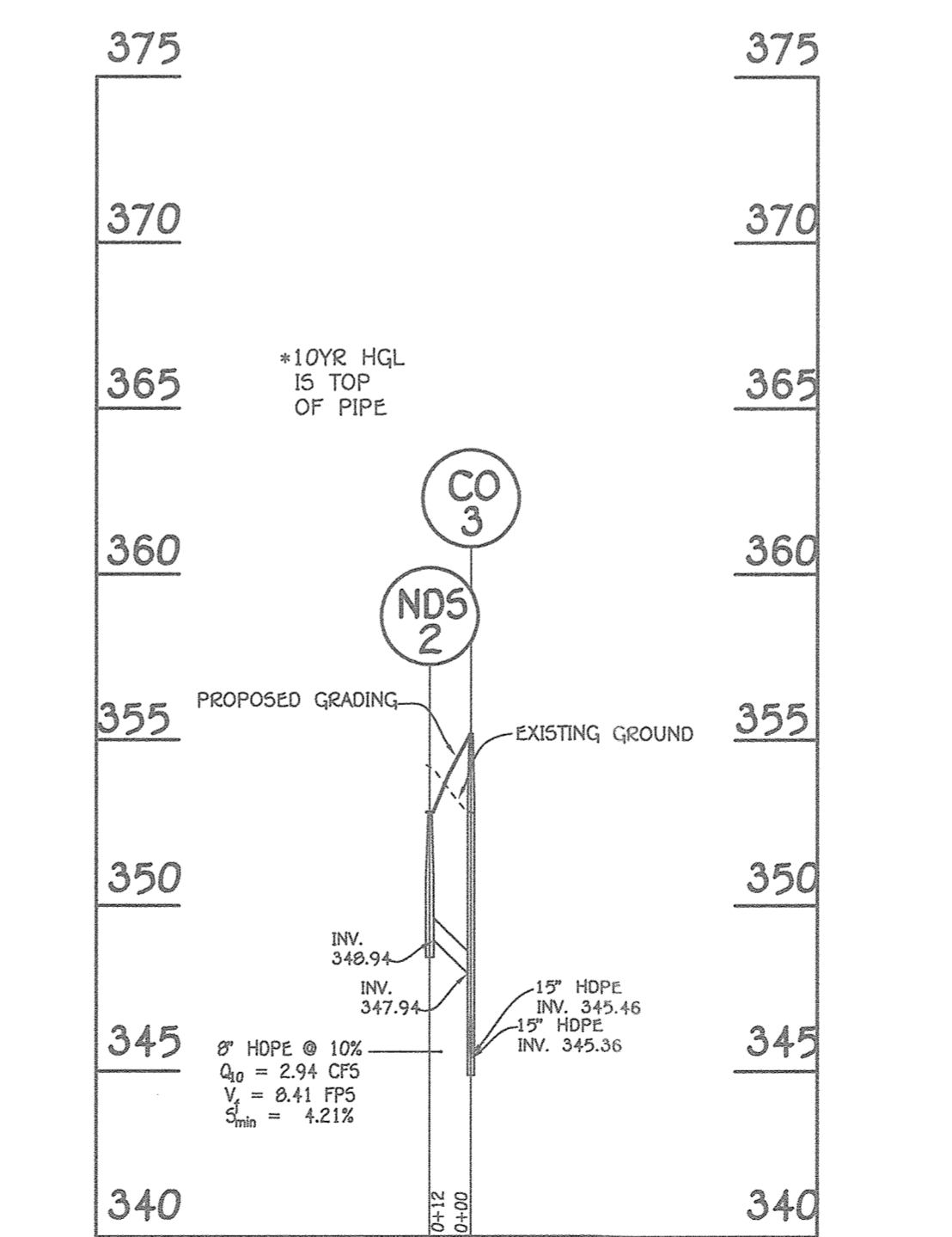
STORMWATER MANAGEMENT PIPE SCHEDULE		
SIZE	TYPE	LENGTH
6"	PVC, PERFORATED	70 L.F.
6"	PVC	43 L.F.
8"	HDPE	71 L.F.
15"	HDPE	550 L.F.
18"	HDPE	38 L.F.

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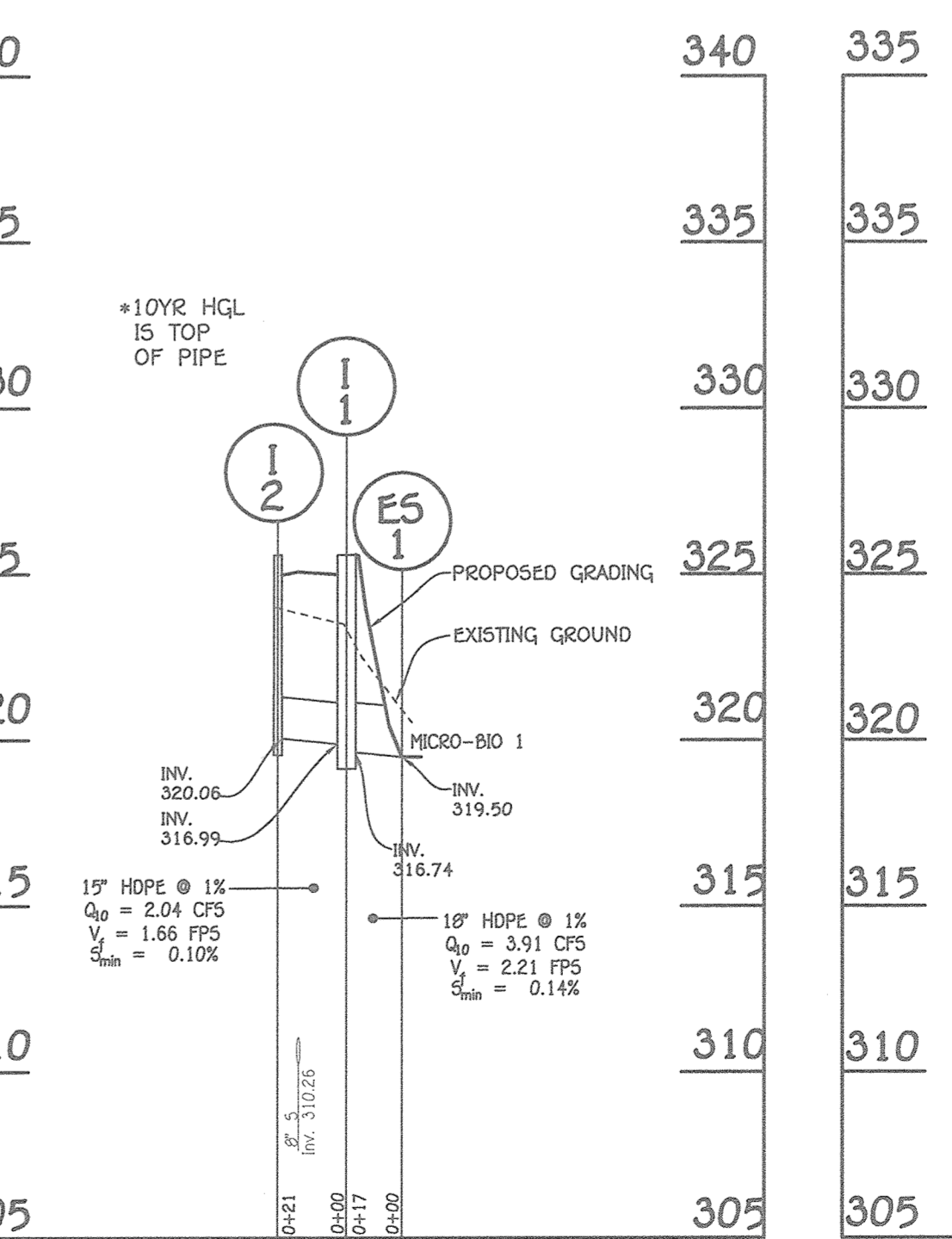
DRAWN BY	JJC	DATE	6-26-11
APPROVED BY <td>JJC</td> <td>PROJECT NO. <td>1098-110-423</td> </td>	JJC	PROJECT NO. <td>1098-110-423</td>	1098-110-423
TITLE <td>48" IN HP IN INSTALLATION DETAIL FOR SECTION 1 TO 18"</td> <td>DWG NO. <td>1098-110-423</td> </td>	48" IN HP IN INSTALLATION DETAIL FOR SECTION 1 TO 18"	DWG NO. <td>1098-110-423</td>	1098-110-423
SCALE <td>1:50</td> <td>SHEET <td>1 OF 1</td> </td>	1:50	SHEET <td>1 OF 1</td>	1 OF 1
DATE <td>6-26-11</td> <td>REV <td>B</td> </td>	6-26-11	REV <td>B</td>	B



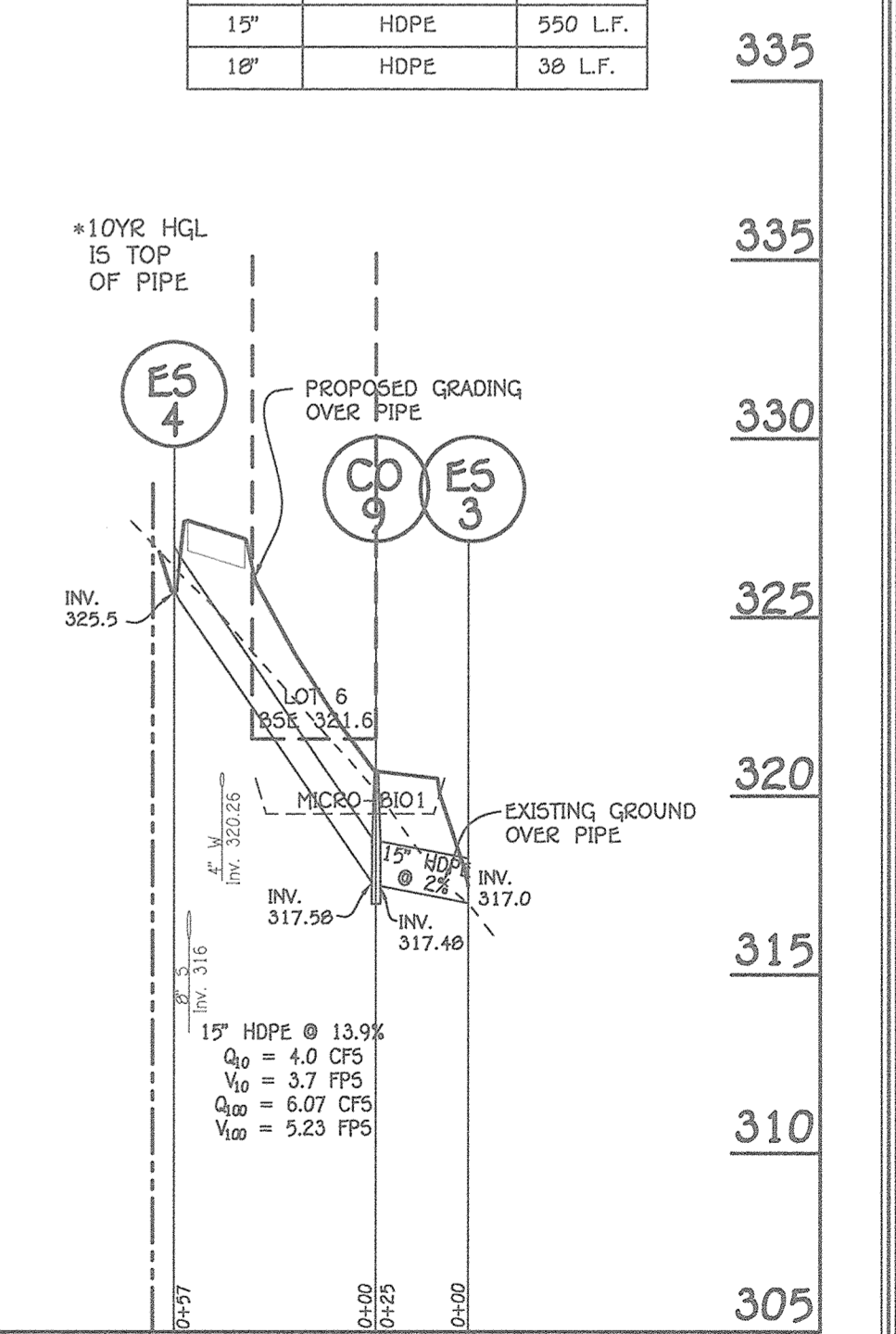
PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'



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



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

APPROVED: DEPARTMENT OF PUBLIC WORKS
DATE: 3/22/2019
CHIEF, BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PLANNING AND ZONING
DATE: 4-3-19
CHIEF, DIVISION OF LAND DEVELOPMENT

APPROVED: DEVELOPMENT ENGINEERING DIVISION
DATE: 3-28-19
CHIEF, DEVELOPMENT ENGINEERING DIVISION

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 481 - 2955

OWNERS
JAMES C. JOHNSON & VALENCIA SCOTT
6077 MEADOWRIDGE RD
ELK RIDGE, MD 21075

DEVELOPER
PATAPSCO BUILDERS, LLC
5890 WATERLOO ROAD, SUITE 140
COLUMBIA, MD 21045
443-367-0422

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. 38386, EXPIRATION DATE: 01/12/2020.
Signature: Stephen Lutz
DATE: 3/17/19



STORM DRAIN PROFILES
MEADOWRIDGE VIEW
LOTS 1 THRU 8 AND
OPEN SPACE LOTS 9 THRU 11
ZONED R-5C
TAX MAP No. 37 GRID No. 09 PARCEL No. 78
FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: DECEMBER, 2018
SHEET 8 OF 9

SOIL PREPARATION, TOPSOILING AND SOIL AMENDMENTS (B-4-2)

A. Soil Preparation

- 1. Temporary Stabilization
Seeded preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment...

B. Topsoiling

- 1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose is to provide a suitable soil medium for vegetative growth.
2. Topsoil obtained from an existing site may be used provided it meets the standards as set forth in these specifications...

C. Soil Amendments (Fertilizer and Lime Specifications)

- 1. Soil tests must be performed to determine the exact rates and application rates for both lime and fertilizer on sites having disturbed areas of 5 or more acres...
2. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment...

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

The application of seed and mulch to establish vegetation cover. Purpose: To protect disturbed soils from erosion during and at the end of construction.

- A. Seeding
1. Specifications
a. All seed must meet the requirements of the Maryland State Seed Law. All seed must be subjected to pre-testing by a recognized seed laboratory...
2. Application
a. Dry Seeding: This includes use of conventional dry or broadcast spreaders.

- B. Mulching
1. Specifications
a. Straw consisting of thoroughly threshed wheat, rye, oat, or barley and reasonably bright in color. Straw is to be free of noxious weed seeds as specified in the Maryland Seed Law...
2. Application
a. Perform mulch immediately following application of mulch to minimize loss by wind or erosion. This may be done by one of the following methods (listed by preference):

APPROVED: DEPARTMENT OF PUBLIC WORKS
CHIEF, BUREAU OF HIGHWAYS
DATE: 3/23/2019
APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 4-3-19
APPROVED: DEPARTMENT OF ENVIRONMENTAL ENGINEERING DIVISION
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 3-28-19

FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS. CENTENNIAL SQUARE OFFICE PARK - 16716 BELLEVILLE NATIONAL PLACE, CLUCCO CITY, MARYLAND 21042. (410) 451 - 2822

TEMPORARY SEEDING NOTES (B-4-4)

- Definition: To stabilize disturbed soils with vegetation for up to 6 months.
Purpose: To use fast growing vegetation that provides cover on disturbed soils.
Conditions Where Practice Applies: Exposed soils where ground cover is needed for a period of 6 months or less. For longer duration of time, permanent stabilization practices are required.

Table with columns: Species, Application Rate (lb/a/c), Seeding Dates, Seeding Depth, Fertilizer Rate (10-20-20), and Lime Rate. Includes rows for FESCUE, RY, and SOY.

PERMANENT SEEDING NOTES (B-4-5)

- A. Seed Mixtures
1. General Uses
a. Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardness Zone (from Figure B.3) and based on the site condition or purpose found on Table B.2...
2. Turfgrass Mixtures
a. Areas where turfgrasses may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.

Table for Permanent Seeding Summary. Columns: Hardness Zone, Species, Application Rate, Seeding Dates, Seeding Depth, Fertilizer Rate, and Lime Rate. Includes rows for TALL FESCUE and TALL FESCUE/RYE.

B. Sod: To provide quick cover on disturbed areas (2:1 grade or flatter).

- 1. General Specifications
a. Class of turfgrasses sod must be Maryland State Certified. Sod labels must be made available to the job foreman and inspector.
b. Sod must be machine cut at a uniform soil thickness 3/4 inch, plus or minus 1/8 inch, at the time of cutting.
2. Sod Installation
a. During periods of excessively high temperature or in areas having dry subsoil, lightly irrigate the subsoil immediately prior to laying the sod.

'THIS DEVELOPER HAS APPROVED THE SOIL AND SEDIMENT CONTROL PLAN AT THE MARYLAND SOIL CONSERVATION DISTRICT. APPROVED: 3/13/19'

BUILDER/DEVELOPER'S CERTIFICATE. 'I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL AND THAT ANY RESPONSIBLE PROFESSIONAL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PEDIONIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.'

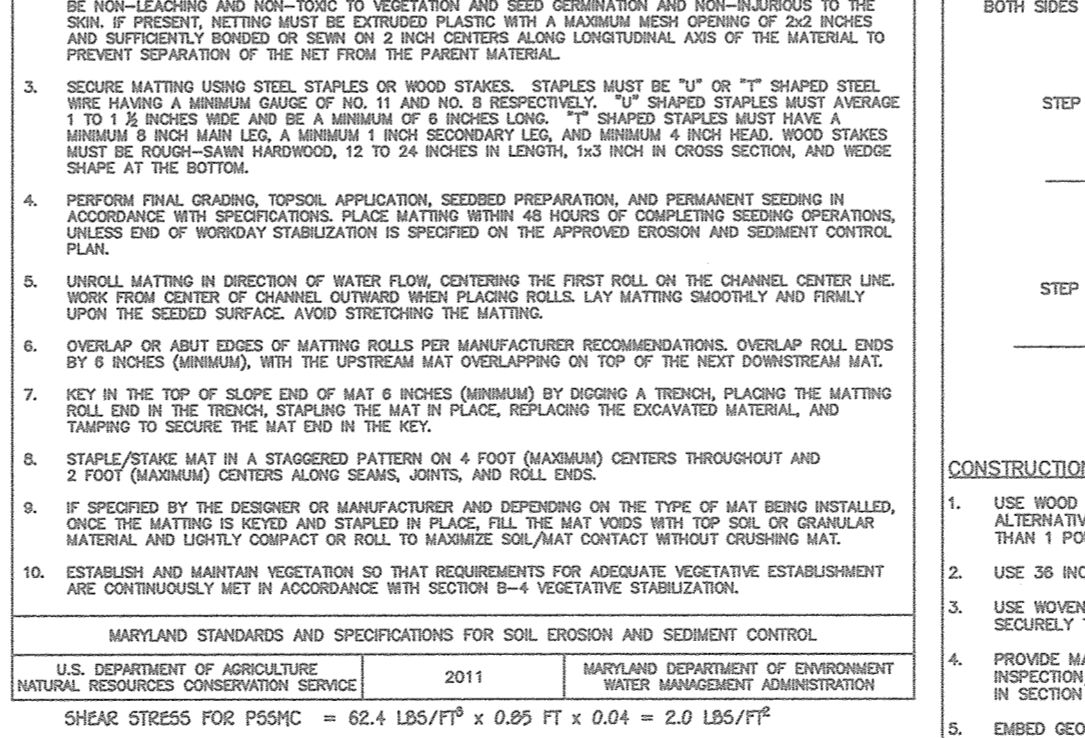
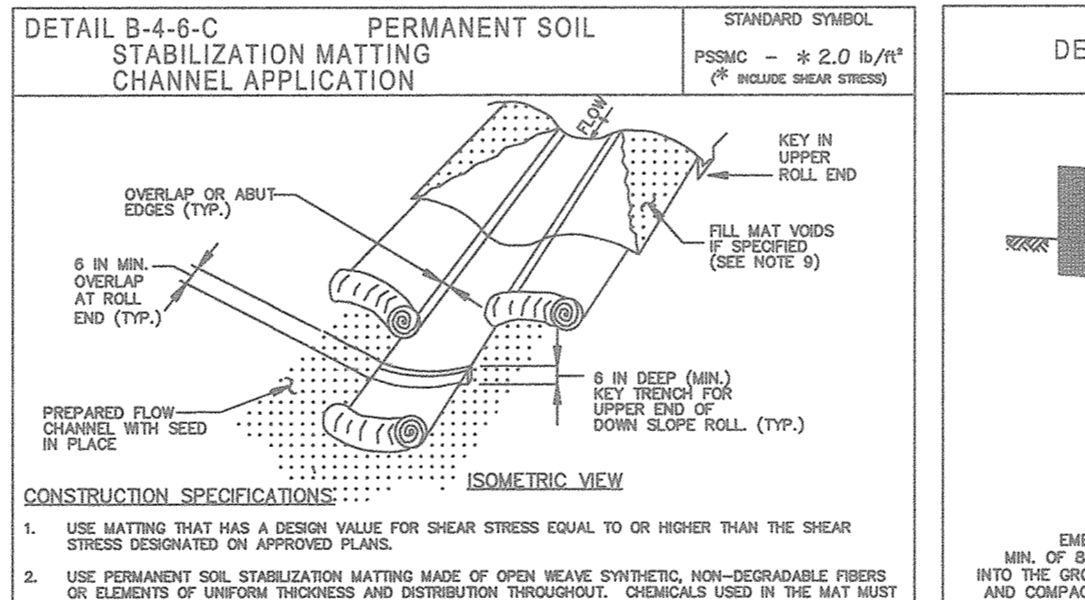
B-4-8 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREAS

- Definition: A mound or pile of soil protected by appropriately designed erosion and sediment control measures.
Purpose: To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.
Conditions Where Practice Applies: Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

- 1. The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.
2. The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1.
3. Runoff from the stockpile area must drain to a suitable sediment control practice.

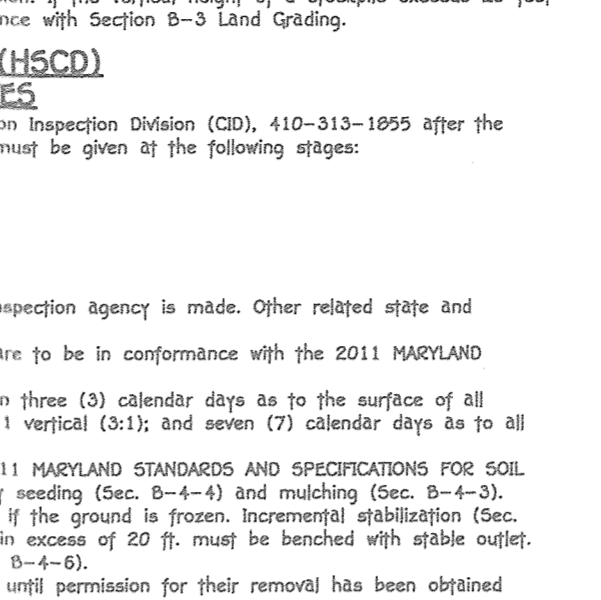
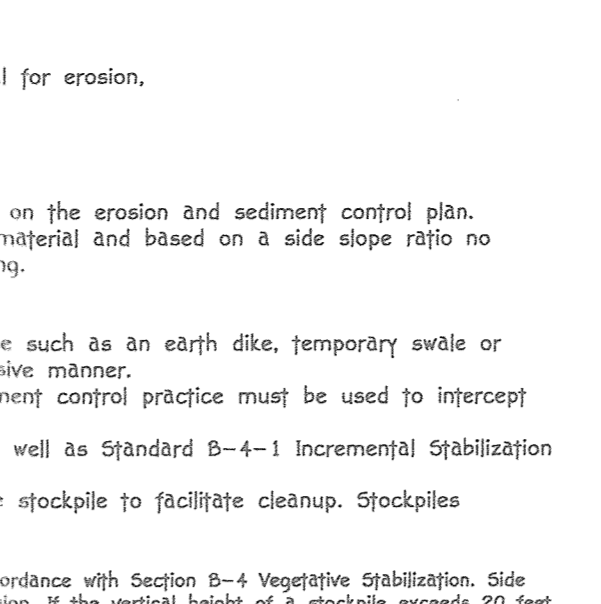
HOWARD SOIL CONSERVATION DISTRICT (HSCD) STANDARD SEDIMENT CONTROL NOTES

- 1. A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-313-1955 after the future LOO and protected areas are marked clearly in the field.
2. Prior to the start of earth disturbance.
3. Upon completion of the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading.
4. Prior to the start of another phase of construction or opening of another grading unit.
5. Prior to the removal or modification of sediment control practices.



OWNER'S AND DEVELOPER'S CERTIFICATES. Includes fields for signatures, dates, and names of owners (James C. Johnson & Valencia Scott) and developer (Patapasco Builders, LLC).

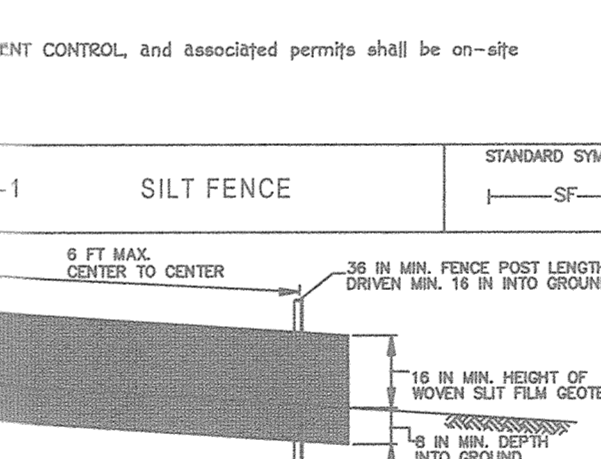
STABILIZED CONSTRUCTION ENTRANCE



CONSTRUCTION SPECIFICATIONS

- 1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE USE MINIMUM LENGTH OF 50 FEET (50 FT) BEFORE EACH SURFACE REDUCE TO USE MINIMUM WIDTH OF 10 FEET.
2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH PROTECTIVE BERM WITH 2:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE.

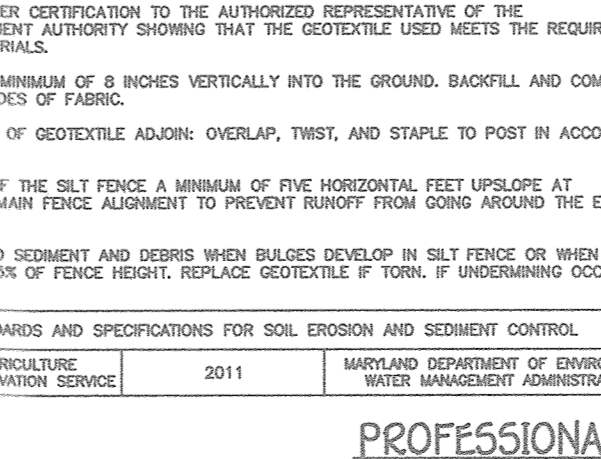
DETAIL E-3 SUPER SILT FENCE



CONSTRUCTION SPECIFICATIONS

- 1. INSTALL 2x8 INCH DIAMETER GALVANIZED STEEL POSTS OF 60S NCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 6 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
2. FASTEN A GAUGE OR GAUGE OR THICKER CHAIN LINK FENCE (24 NCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURE TO THE FENCE POSTS WITH WIRE TIES OR WELD RINGS.
3. FASTEN WOVEN SILT FIBER GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURE TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 6 INCHES INTO THE GROUND.

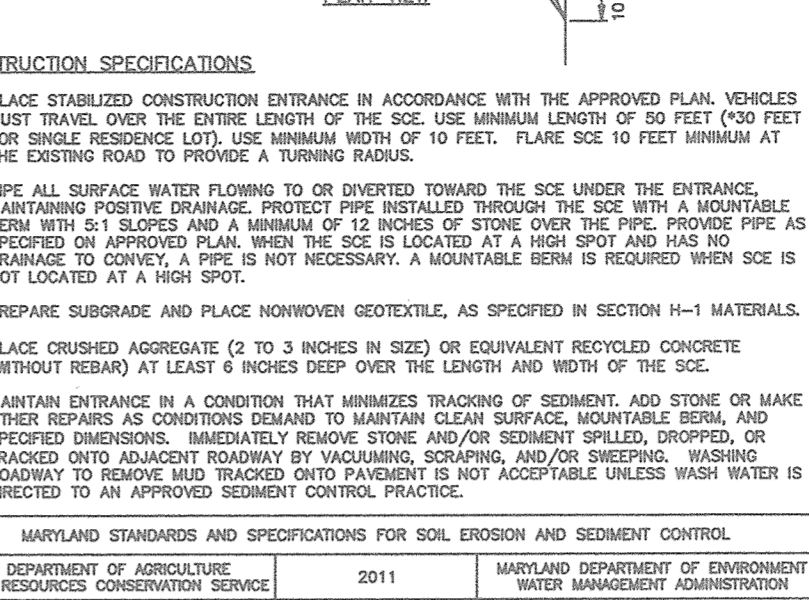
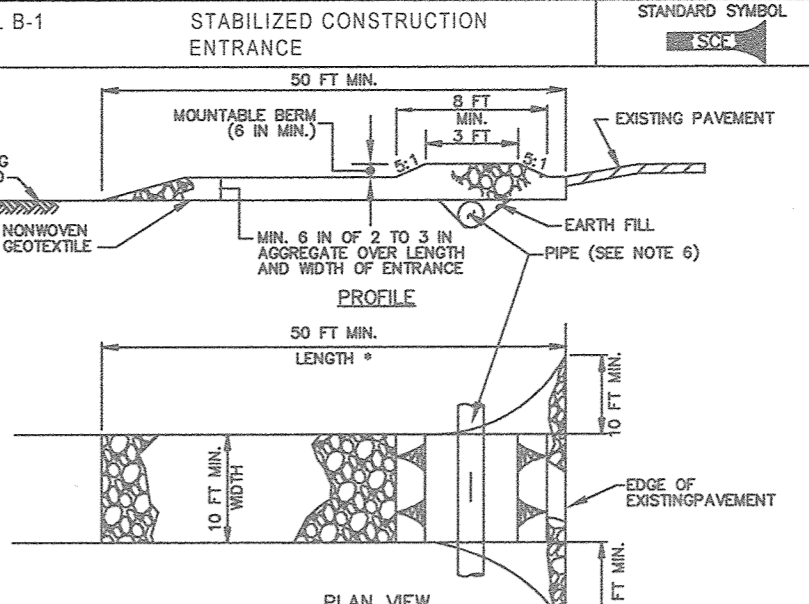
DETAIL C-9 DIVERSION FENCE



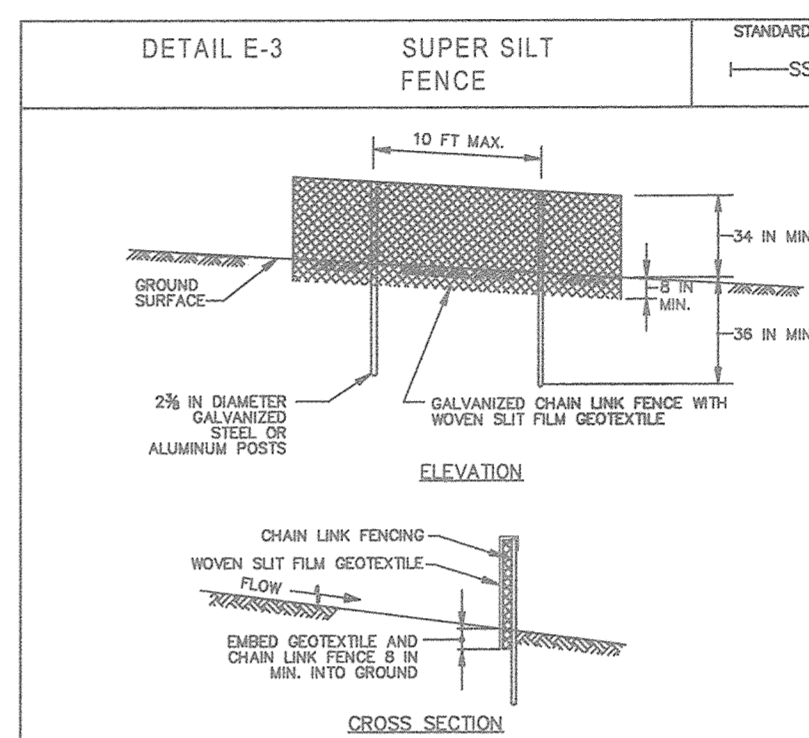
CONSTRUCTION SPECIFICATIONS

- 1. USE WOOD POSTS IN A 1/2 x 6 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD AT AN ALTERNATIVE TO WOODEN POST. USE STANDARD 2" X 4" SECTION STEEL POSTS HARDWOOD NOT LESS THAN 1" SQUARE FOR 16" POST.
2. USE 36 INCH MINIMUM POSTS DRIVEN IN SUCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
3. USE WOVEN SILT FIBER GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURE TO UPSLOPE SIDE OF FENCE POSTS WITH TIES OR STAPLES AT TOP AND MID-SECTION.

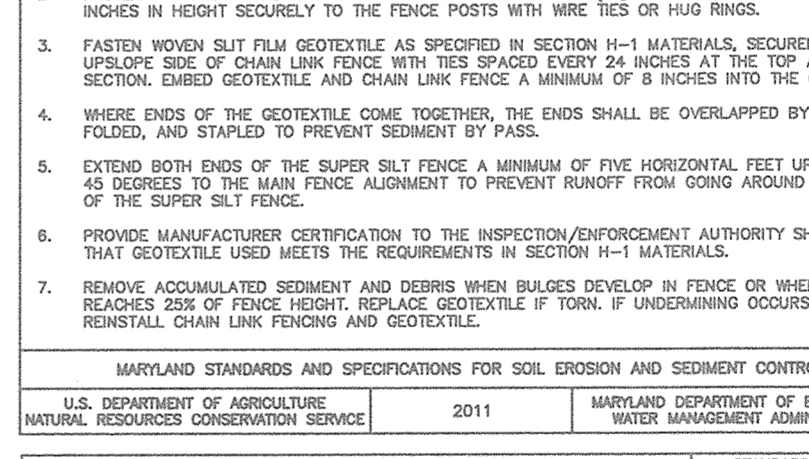
STANDARD SYMBOL



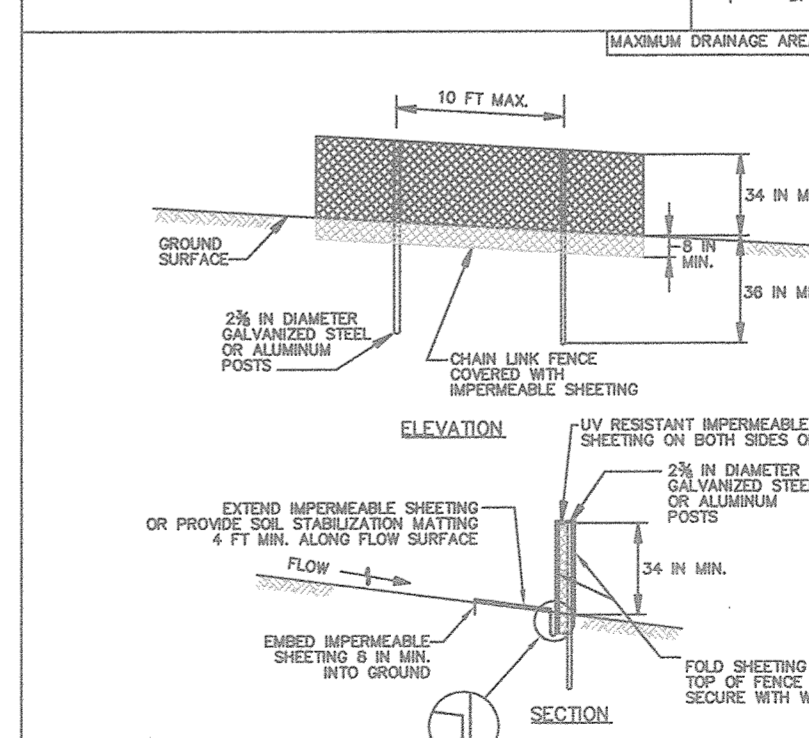
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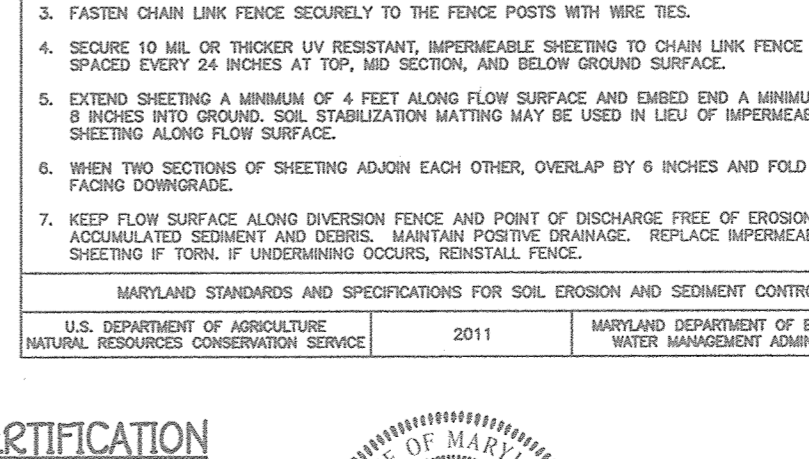
STANDARD SYMBOL



STANDARD SYMBOL



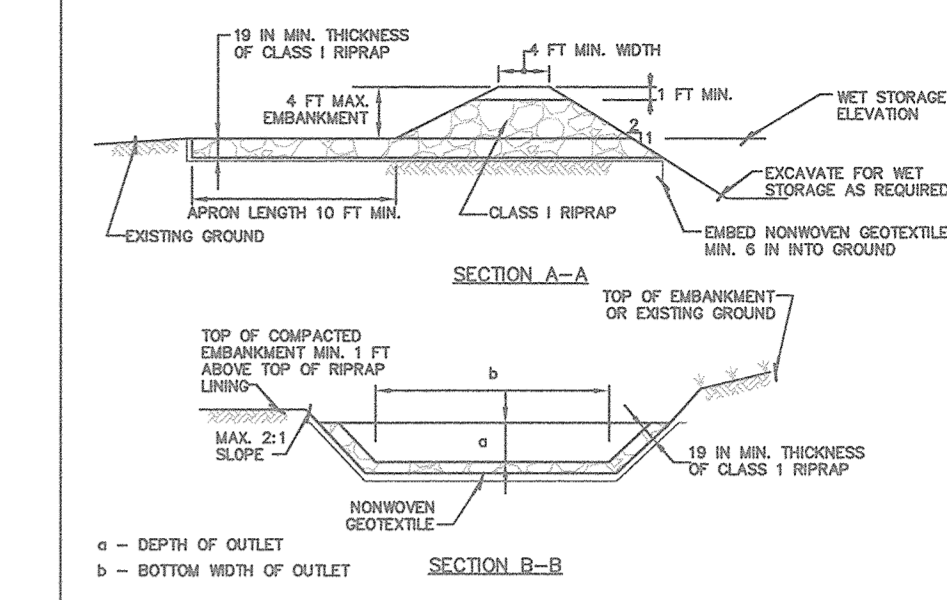
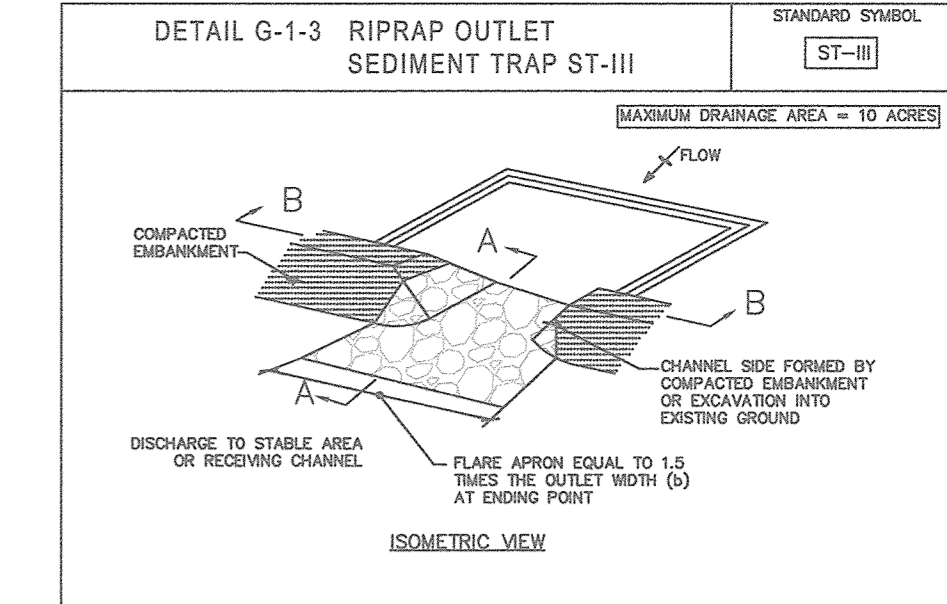
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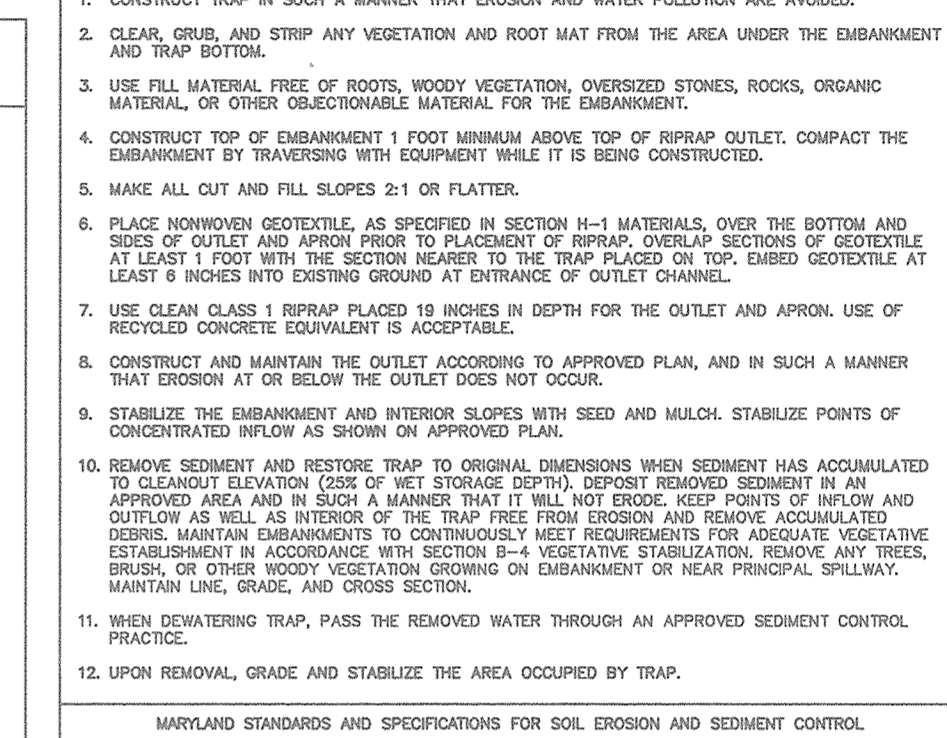
STANDARD SYMBOL

CONSTRUCTION SPECIFICATIONS. 1. OBTAIN A GRADING PERMIT AND HOLD PRE-CONSTRUCTION MEETING WITH COUNTY INSPECTOR. (2 WEEKS)
2. NOTIFY 'MSS UTILITY' AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-257-7777. NOTIFY THE HOWARD COUNTY DEPT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION AT 410-313-1955 AT LEAST 48 HOURS BEFORE STARTING WORK.
3. INSTALL SILT FENCE, SUPER-SILT FENCE, AND DIVERSION FENCE. INSTALL CURBVIEW PIPE, GRADE SWALE TO CURBVIEW, INSTALL 500 IN SWALE, AND ASSOCIATED CURBVIEW FENCE TO DIVERT OFF-SITE DRAINAGE THROUGH PIPE DURING CONSTRUCTION, WITH APPROVAL OF SEDIMENT CONTROL INSPECTOR.

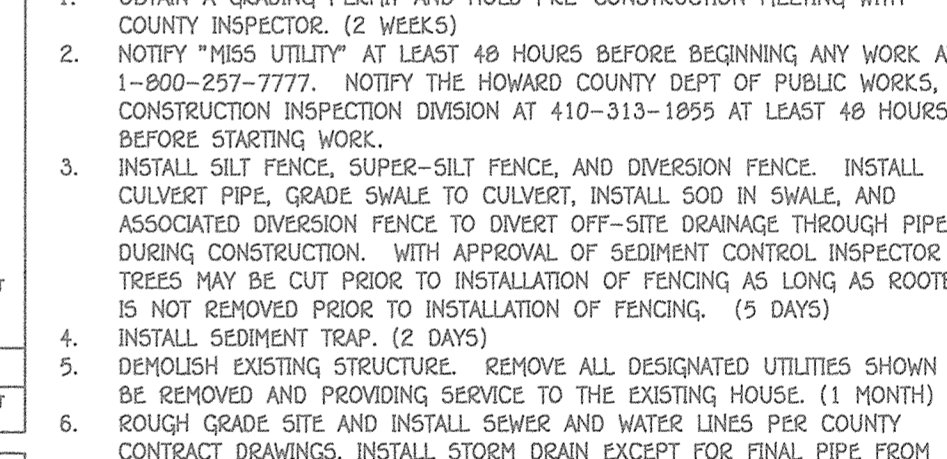
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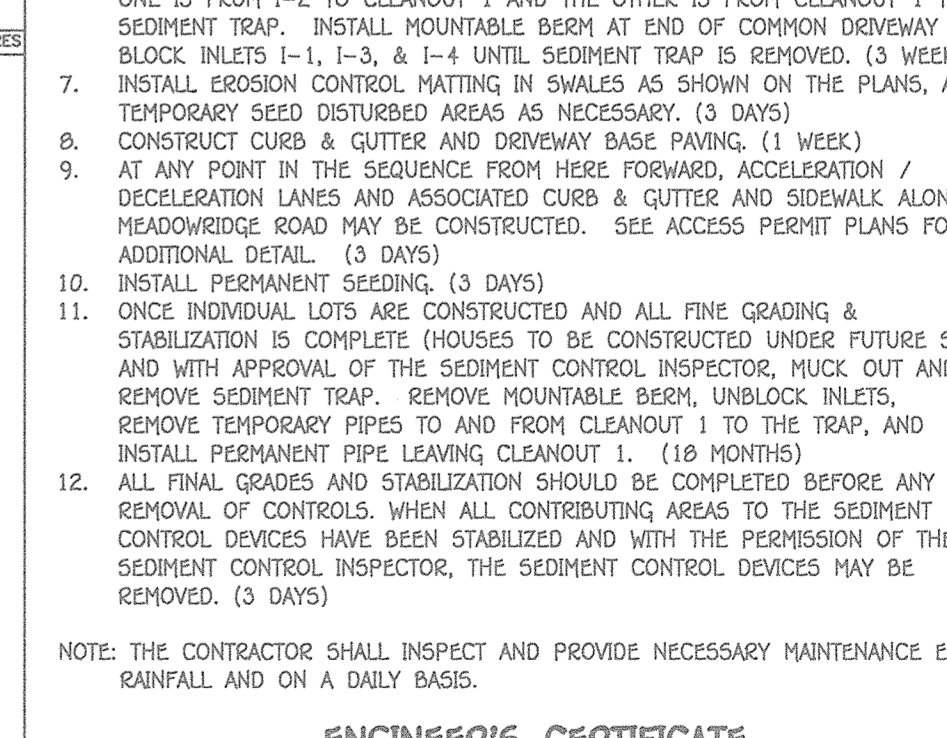
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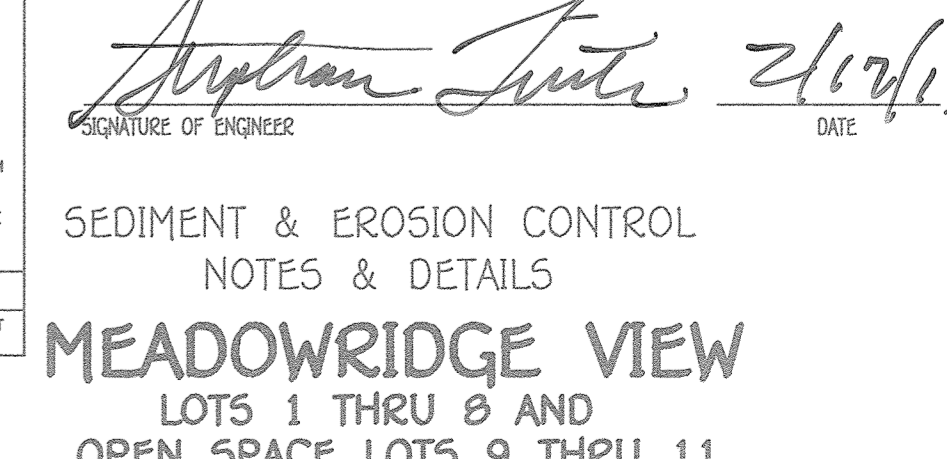
STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL

ENGINEER'S CERTIFICATE. 'I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.'

SEDIMENT & EROSION CONTROL NOTES & DETAILS

MEADOWRIDGE VIEW LOTS 1 THRU 9 AND OPEN SPACE LOTS 9 THRU 11 ZONED R-5C TAX MAP No. 37 GRID No. 09 Parcel No. 78 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: DECEMBER, 2018 SHEET 9 OF 9

F-18-090