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SITE DEVELOPMENT PLAN

BRICKLEY MILLS

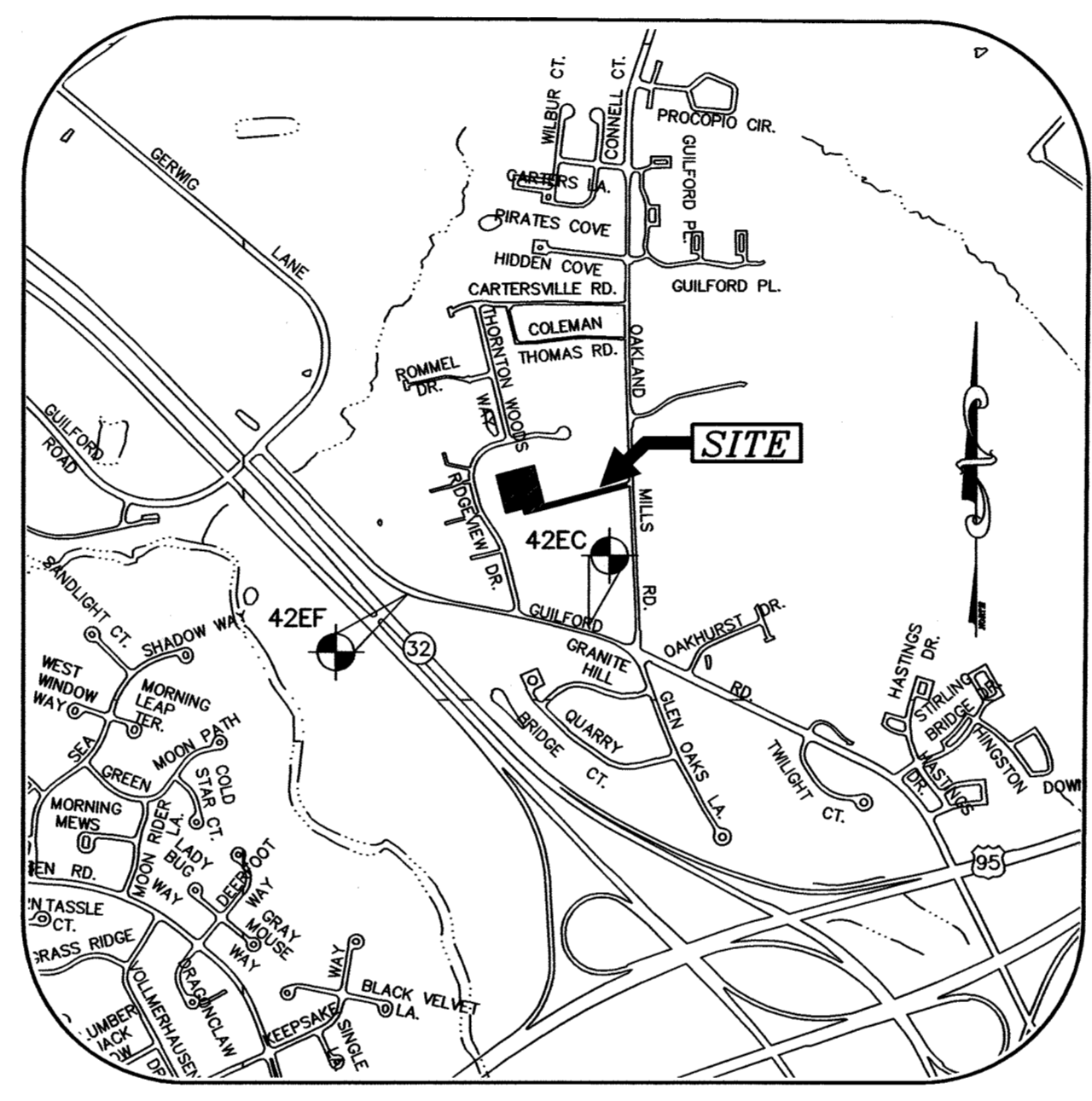
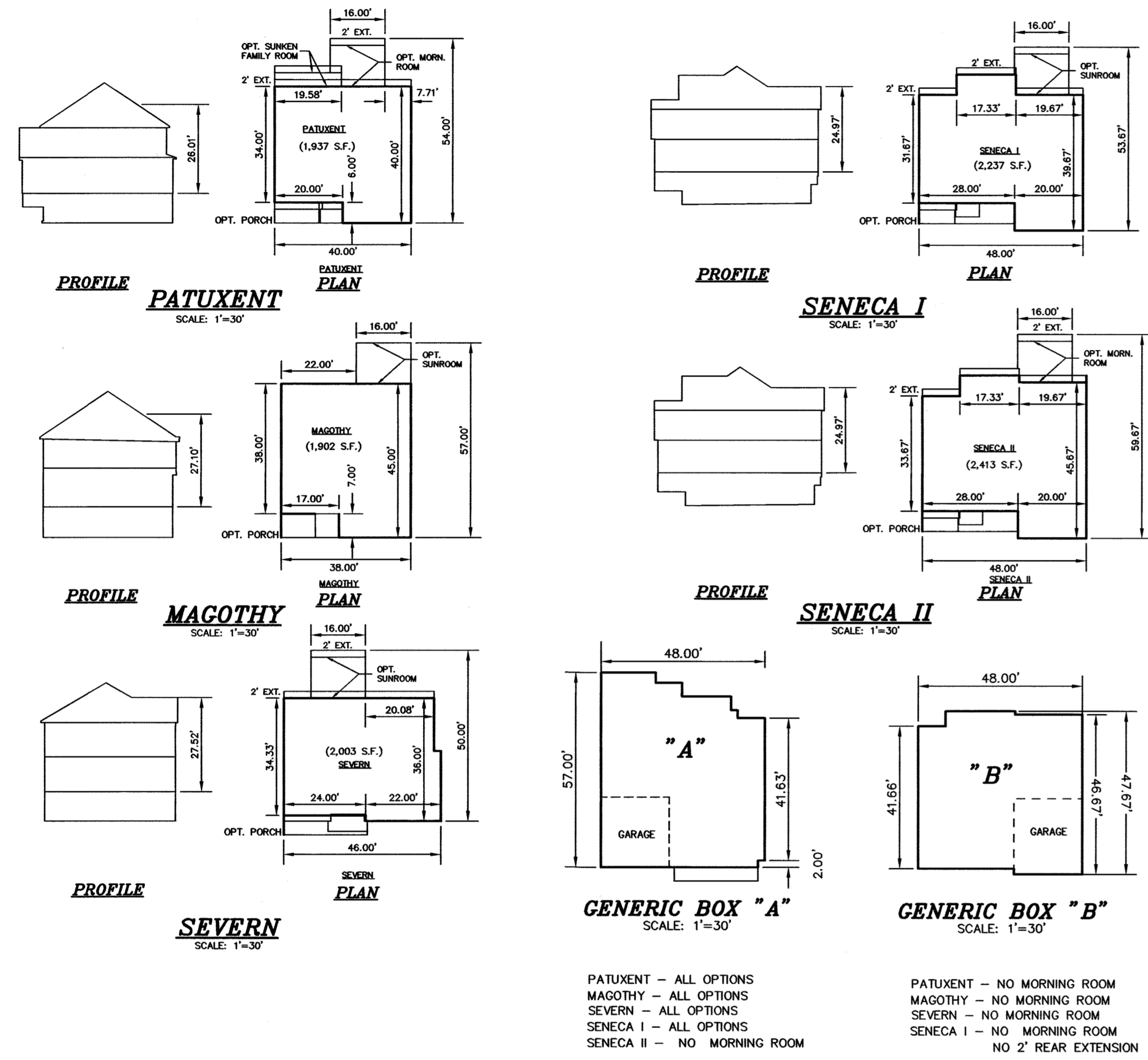
LOTS 1 THRU 6

SIXTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

GENERAL NOTES:

- SUBJECT PROPERTY ZONED "R-12" PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
- ALL ASPECTS OF THIS PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS, UNLESS ALTERNATIVE COMPLIANCE HAS BEEN APPROVED.
- SITE ANALYSIS DATA:
 LOCATION: TAX MAP : 42 PARCEL: 277 GRID: 16 LOTS 1-6
 ZONING : R-12
 ELECTION DISTRICT : SIXTH
 DEED REFERENCE : 16269 / 246 (PLAT NOS. 25351-25352)
 AREA OF TRACT (LOTS 1-6) : 1.684 ACRES
 LIMIT OF DISTURBANCE: 1.20 ACRES
 PROPOSED USE: SFD
 TOTAL NUMBER OF LOTS: 6
 NUMBER OF REQUIRED PARKING SPACES: 15 (2.5 SPA./UNIT)
 NUMBER OF PROVIDED PARKING SPACES: 24 (4 SPACES/UNIT)
 DPZ FILE NUMBERS: ECP-17-069, F-18-083, WP-18-048
 COORDINATES BASED ON NAD'83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. : 42EF & 42EC
 STA. No. 42EF N 545,623.351 E 1,359,044.500 EL. 347.010
 STA. No. 42EC N 545,416.990 E 1,360,140.442 EL. 365.383
- IN ACCORDANCE WITH SECTION 128.0. OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACK, PORCHES OR DECKS, OPEN OR ENCLOSED, MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 A. WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE).
 B. SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2").
 C. GEOMETRY-MAX. 15% GRADE, MAX. 10% GRADE CHANGE AND MIN. OF 45 FOOT TURNING RADIUS.
 D. STRUCTURES (CULVERT/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
 E. DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD PLAIN WITH NO MORE THAN 1 FOOT OF DEPTH OVER DRIVEWAY SURFACE.
 F. STRUCTURE CLEARANCES - MINIMUM 12 FEET.
 G. MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
- TOPOGRAPHIC INFORMATION IS BASED ON A SUPPLEMENTAL PLAN ENTITLED "BRICKLEY MILLS" F-18-083 AND DATED JULY 8, 2019
- BOUNDARY INFORMATION IS BASED ON A RECORD PLAT ENTITLED "BRICKLEY MILLS" F-18-083 AND DATED JULY 8, 2019
- FOREST STAND DELINEATION WAS PREPARED BY EXPLORATION RESEARCH, INC. DATED JUNE 12, 2017, AND WAS APPROVED UNDER F-18-083.
- WETLAND DELINEATION WAS PREPARED BY EXPLORATION RESEARCH, INC. DATED OCTOBER 13, 2016, AND WAS APPROVED UNDER F-18-083.
- NO STREAM, WETLANDS OR FLOODPLAIN EXIST ON SITE.
- NO CEMETERIES OR HISTORIC STRUCTURES EXIST ON SITE.
- PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. WATER AND SEWER ARE PUBLIC. WATER CONTRACT (24-5058-D).
- STORMWATER MANAGEMENT REQUIREMENTS WILL BE SATISFIED VIA PRIVATELY OWNED AND MAINTAINED DRYWELLS (M-5) FACILITY (APPROVED UNDER F-18-083)
- FOREST CONSERVATION REQUIREMENTS WERE MET UNDER F-18-083 BY THE RETENTION OF 0.29 ACRES OF EXISTING FOREST AND A PAYMENT OF FEE-IN-LIEU FOR THE REMAINING OBLIGATION OF 1.0 ACRE IN THE AMOUNT OF \$41,328.00.
- TRAFFIC STUDY WAS PREPARED BY THE TRAFFIC GROUP, DATED MARCH 20, 2018, AND WAS APPROVED ON APRIL 04, 2018 UNDER F-18-083.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST 48 HOURS PRIOR TO EXCAVATION WORK BEING DONE.
 MISS UTILITY 800-257-7777
 VERIZON TELEPHONE COMPANY (410) 725-9976
 HOWARD COUNTY BUREAU OF UTILITIES (410) 313-4900
 AT&T CABLE LOCATION DIVISION (410) 353-3533
 BALTIMORE GAS AND ELECTRIC (410) 685-0123
 STATE HIGHWAY ADMINISTRATION (410) 531-5533
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE. SHC ELEVATION SHOWN IS LOCATED AT THE EASEMENT LINE.
- FOR DRIVEWAY ENTRANCE DETAIL, REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD DETAIL R-6.06.
- THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES, AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
- THIS PROPERTY IS SUBJECT TO AN ALTERNATIVE COMPLIANCE WP-18-048 WHEREON DECEMBER 6, 2017, THE PLANNING BOARD APPROVED THE ALTERNATIVE COMPLIANCE TO THE FOLLOWING SECTIONS OF THE SUBDIVISION REGULATIONS:
 1.) 16-120(A)(7) TO REMOVE 3 SPECIMEN TREES SUBJECT TO REPLACEMENT OF EACH SPECIMEN TREE WITH TWO 2.5"-4.5" DBH FOR EACH TREE REMOVED.
 2.) 16.145 TO ALLOW SUBMISSION OF A FINAL PLAN WITHOUT FIRST SUBMITTING A SKETCH PLAN OR PRELIMINARY EQUIVALENT SKETCH PLAN.
 3.) 16-146 TO ALLOW SUBMISSION OF A FINAL PLAN WITHOUT FIRST SUBMITTING A PRELIMINARY PLAN
- REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE USE-IN-COMMON DRIVEWAY AND THE OAKLAND MILLS ROAD RIGHT-OF-WAY ONLY, AND NOT TO THE USE-IN-COMMON DRIVEWAY.
- ALL LOTS/RESIDENTIAL UNITS IN THIS SUBDIVISION ARE SUBJECT TO MIHU FEE-IN-LIEU REQUIREMENT THAT IS TO BE CALCULATED AND PAID TO THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AT THE TIME OF BUILDING PERMIT ISSUANCE BY THE PERMIT APPLICANT.
- AN ADDRESS SIGN ASSEMBLY SHALL BE FABRICATED AND INSTALLED AT THE MAIN ENTRANCE OF OAKLAND MILLS ROAD BY HOWARD COUNTY BUREAU OF HIGHWAYS AT THE DEVELOPER'S EXPENSE. CONTACT HOWARD COUNTY TRAFFIC DIVISION AT 410-313-2430 FOR DETAILS AND COST ESTIMATE.
- ALL SIGNS POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2.5" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) - 3' LONG. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- PRE-SUBMISSION COMMUNITY MEETING WAS HELD ON MARCH 13, 2018.
- SHC ELEVATIONS SHOWN ARE LOCATED AT THE EASEMENT LINE.
- EXISTING UTILITIES ARE BASED ON EXISTING WATER AND SEWER CONTRACTS.
- LANDSCAPING FOR THIS PROJECT HAS BEEN PROVIDED UNDER F-18-083. FINANCIAL SURETY FOR 10 SHADE AND 2 ORNAMENTAL TREES IN THE AMOUNT OF \$3,300.00 WAS POSTED AS A PART OF THE DEVELOPER'S AGREEMENT.



DEVELOPER
BURKARD HOMES LLC
1511 RITCHIE HWY, STE. 305
ARNDOLD, MD 21012
240-375-1052

DEVELOPERS CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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.

Signature: [Signature]
DATE: 10/17/21

Signature: [Signature]
DATE: 9.28.21

ENGINEER'S CERTIFICATE
I 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.

Signature: [Signature]
DATE: 9.28.21

SAMER A. ALOMER P.E.
PRINTED NAME OF ENGINEER

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

Signature: [Signature]
DATE: 10/18/21

Signature: [Signature]
DATE: 10-22-21

Signature: [Signature]
DATE: 10/21/21

Signature: [Signature]
DATE: 11/2/21

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. 26859, EXP DATE 08/08/23

Signature: [Signature]
DATE: 9.28.21

SAMER A. ALOMER P.E.
PRINTED NAME OF ENGINEER

SWM PRACTICES CHART

LOT #	ADDRESS	DRYWELLS (M-5)
LOT 1	7440 OAKLAND MILLS RD.	2 EACH
LOT 2	7438 OAKLAND MILLS RD.	2 EACH
LOT 3	7436 OAKLAND MILLS RD.	2 EACH
LOT 4	7434 OAKLAND MILLS RD.	2 EACH
LOT 5	7432 OAKLAND MILLS RD.	2 EACH
LOT 6	7430 OAKLAND MILLS RD.	2 EACH

MIHU TRACKING CHART

Metric	Value
TOTAL NUMBER OF LOTS/UNITS	6
NUMBER OF MIHU REQUIRED	1
NUMBER OF MIHU PROVIDED ONSITE (EXEMPT FROM APFO ALLOCATIONS)	0
NUMBER OF APFO ALLOCATION REQUIRED (REMAINING LOTS/UNITS)	0
MIHU FEE-IN-LIEU (INDICATED LOT/UNIT NUMBERS)	1-6

PERMIT INFORMATION BLOCK

SUBDIVISION NAME:		SECTION/AREA:	PARCEL:		
BRICKLEY MILLS		N/A	277		
PLAT NO.	BLOCK(S)	ZONING	TAX MAP NO.	ELECTION DISTRICT	CENSUS TRACT
25351-52	16	R-12	42	SIXTH	606707

BRICKLEY MILLS
LOTS 1 THRU 6
TAX MAP: 42 - GRID: 16 - PARCEL: 277
SIXTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
COVER SHEET

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
7850-B Crace Drive, Columbia, Maryland 21044
(410) 997-0286 Tel. (410) 997-0288 Fax.

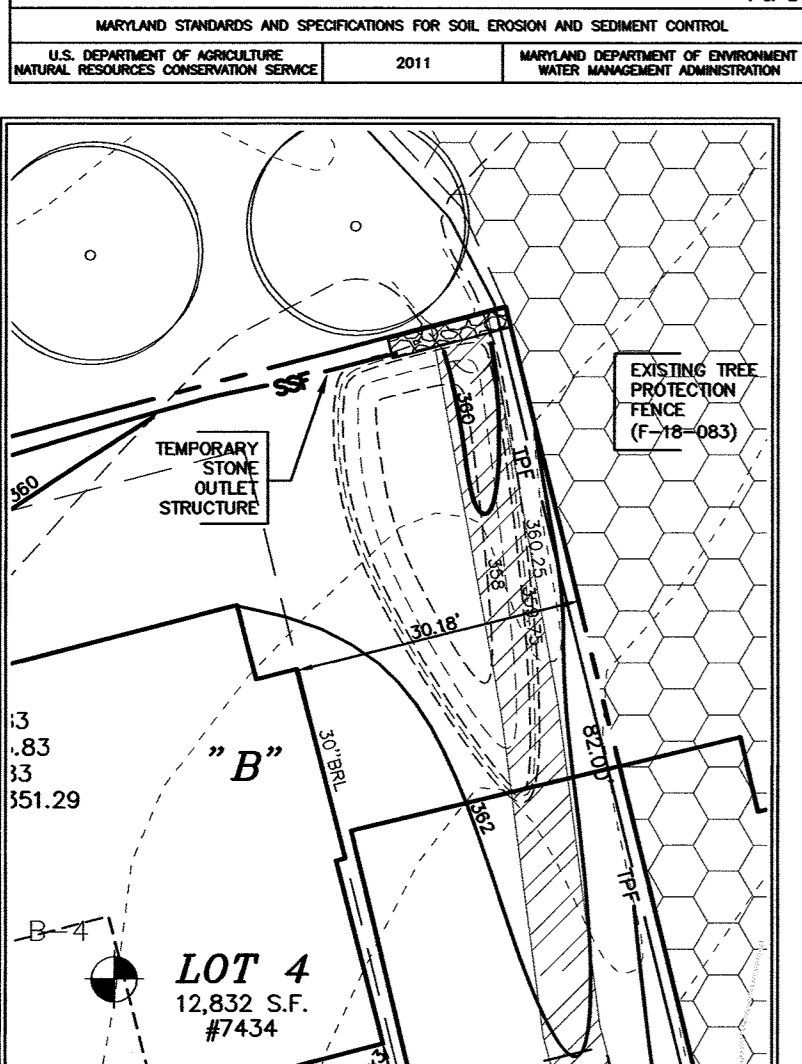
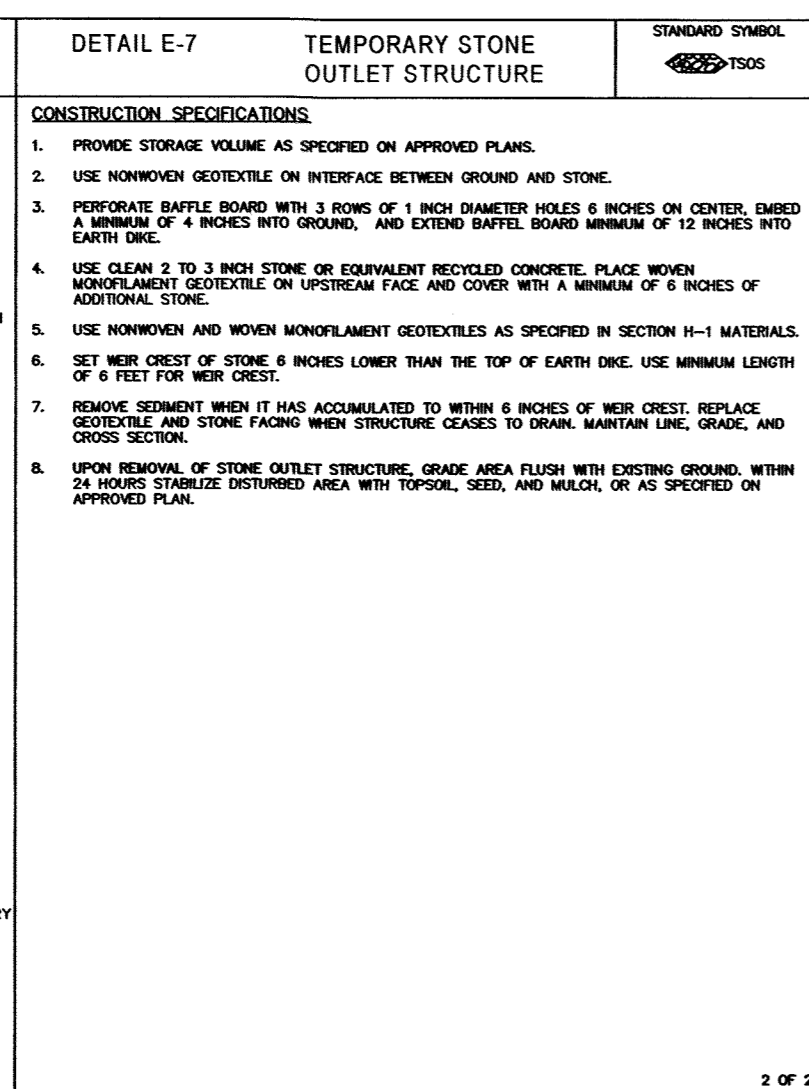
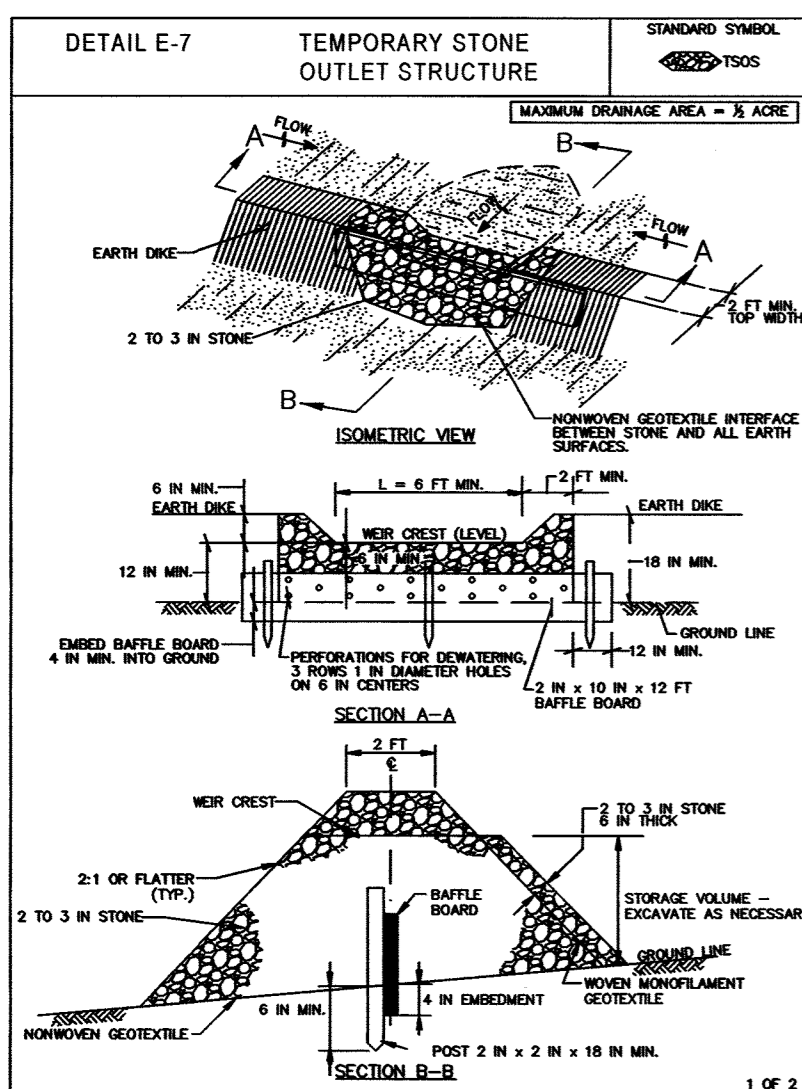
Project: 21-001
date: OCT. 2021
illustration: MAM
scale: 1"=30'
approval: MAM
SAAs

1 OF 3

SDP-21-032

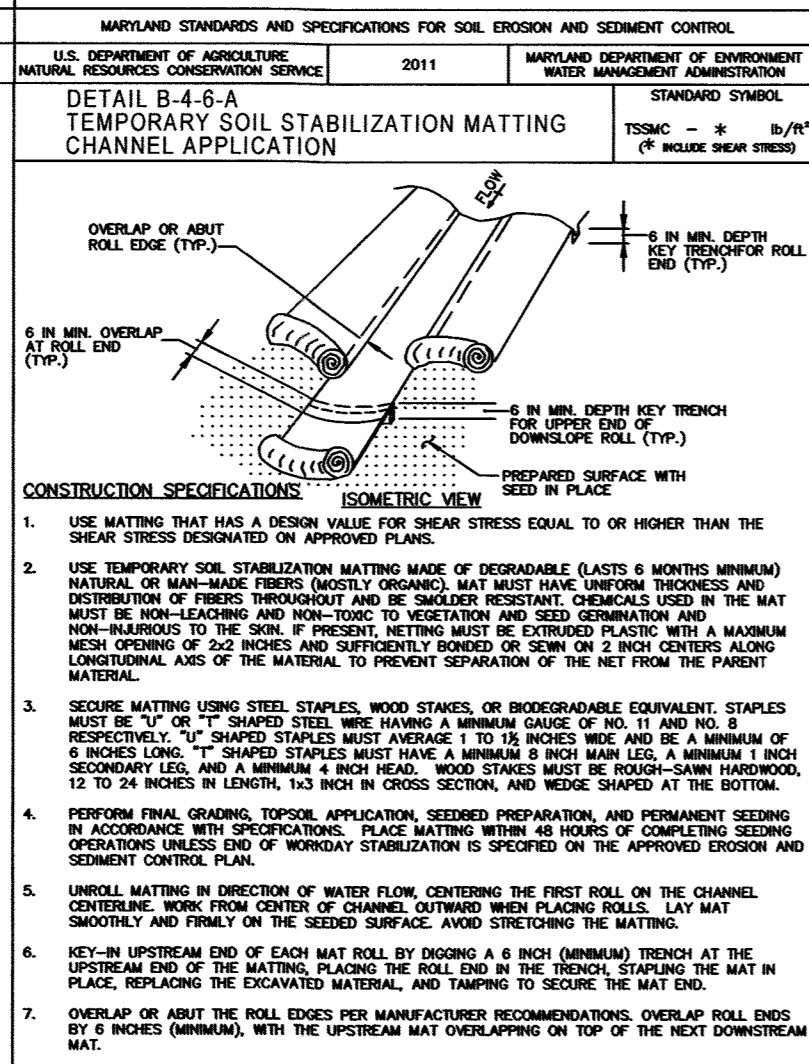
SOIL DESCRIPTION:

SYMBOL	RATING	NAME	K FACTOR	MAP NO.	COMMENTS
LoC	(C)	LEGORE SILT LOAM 8 TO 15% SLOPES	.37	32	
LoB	(C)	LEGORE-MONTALTO-URBAN LAND COMPLEX 0 TO 8% SLOPES	.37	32	
RuC	(C)	RUSSETT AND BELTSVILLE 5 TO 10% PERCENT SLOPES	.28	32	
UcB	(C)	URBAN LAND-CHILLUM-BELTSVILLE COMPLEX 0 TO 5% PERCENT SLOPES	.43	32	



TEMP STONE OUTLET STRUCTURE

DRAINAGE AREA: 0.38 AC.
 TOTAL STORAGE REQUIRED: 684 C.F.
 TOTAL STORAGE PROVIDED: 700 C.F.
 TOP EMBANKMENT ELEVATION: 360.25
 BOTTOM ELEVATION: 358
 WEIR LENGTH: 6'
 WEIR CREST ELEV.: 359.75
 TOP OF EMBANKMENT WIDTH: 2'
 SIDE SLOPE: 2:1
 BOTTOM AREA: 230 S.F.
 STORAGE AREA: 570 S.F.



SOIL STABILIZATION MATTING

DRAINAGE AREA: 0.38 AC.
 H: 6.6
 C: 0.34
 Q=CAL: Q10=0.88
 CHANNEL: BOTTOM WIDTH: 4 FT
 SIDE SLOPES: 3:1
 n Value: 0.024
 SLOPE: 4.5%
 DEPTH: 0.07 FT
 VELOCITY: 2.43 FPS
 SHEAR STRESS: $\tau = (\gamma)(R)(S_w)$
 $\tau = 62.4 \text{ lb/ft}^2$
 $\tau = 0.08 \text{ F}$
 $S_w = 4.5\%$
 $\tau = 0.22 \text{ lb/ft}^2$

DEVELOPERS CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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.

Signature: *Timothy Dineen*
 DATE: 10/7/21

ENGINEER'S CERTIFICATE

I 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.

Signature: *Samer A. Alomer*
 DATE: 9.28.21

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

Signature: *Alexander Battaglia*
 DATE: 10/18/21

Signature: *Samer A. Alomer*
 DATE: 10-22-21

Signature: *[Signature]*
 DATE: 10/14/21

Signature: *[Signature]*
 DATE: 11/2/21

LEGEND

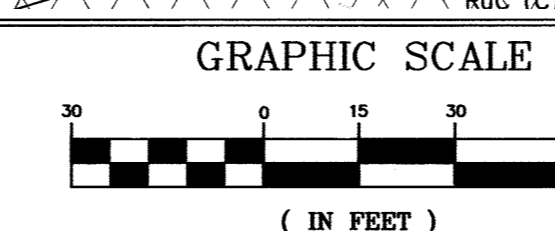
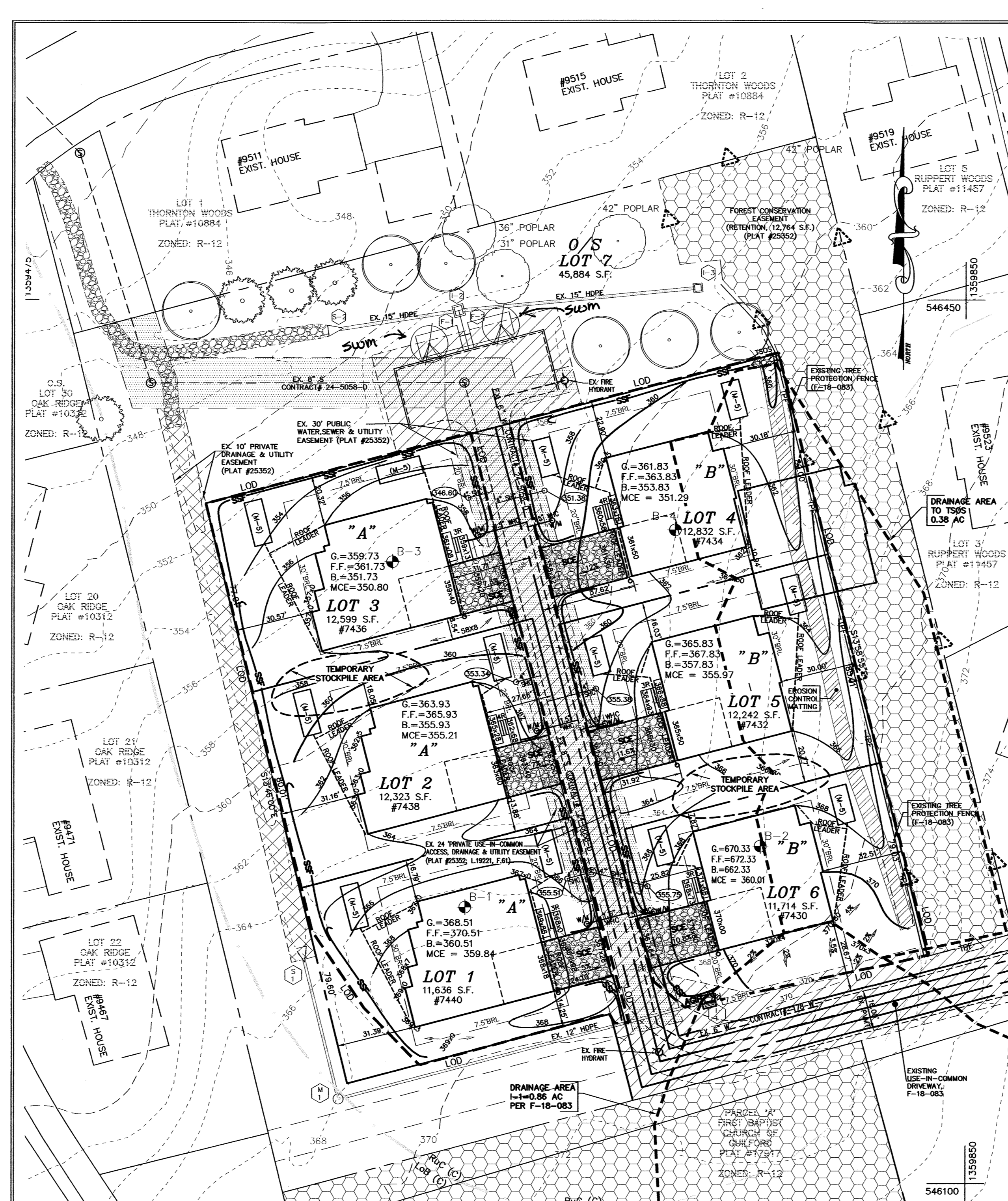
- STABILIZED CONSTRUCTION ENTRANCE
- DRY WELL (M-5)
- EX. TREE PROTECTION FENCE
- SUPER SILT FENCE
- LIMIT OF DISTURBANCE
- LIMIT OF DRAINAGE AREA
- EROSION CONTROL MATTING
- PROPOSED DRIVEWAY
- FOREST CONSERVATION EASEMENT (RETENTION)
- SHC ELEVATION AT PROPERTY/EASEMENT LINE
- EX. FOREST CONSERVATION SIGN AS PER F-18-083

DEVELOPER

BURKARD HOMES LLC
 1511 RITCHIE HWY, STE. 305
 ARNOLD, MD 21012
 240-375-1052

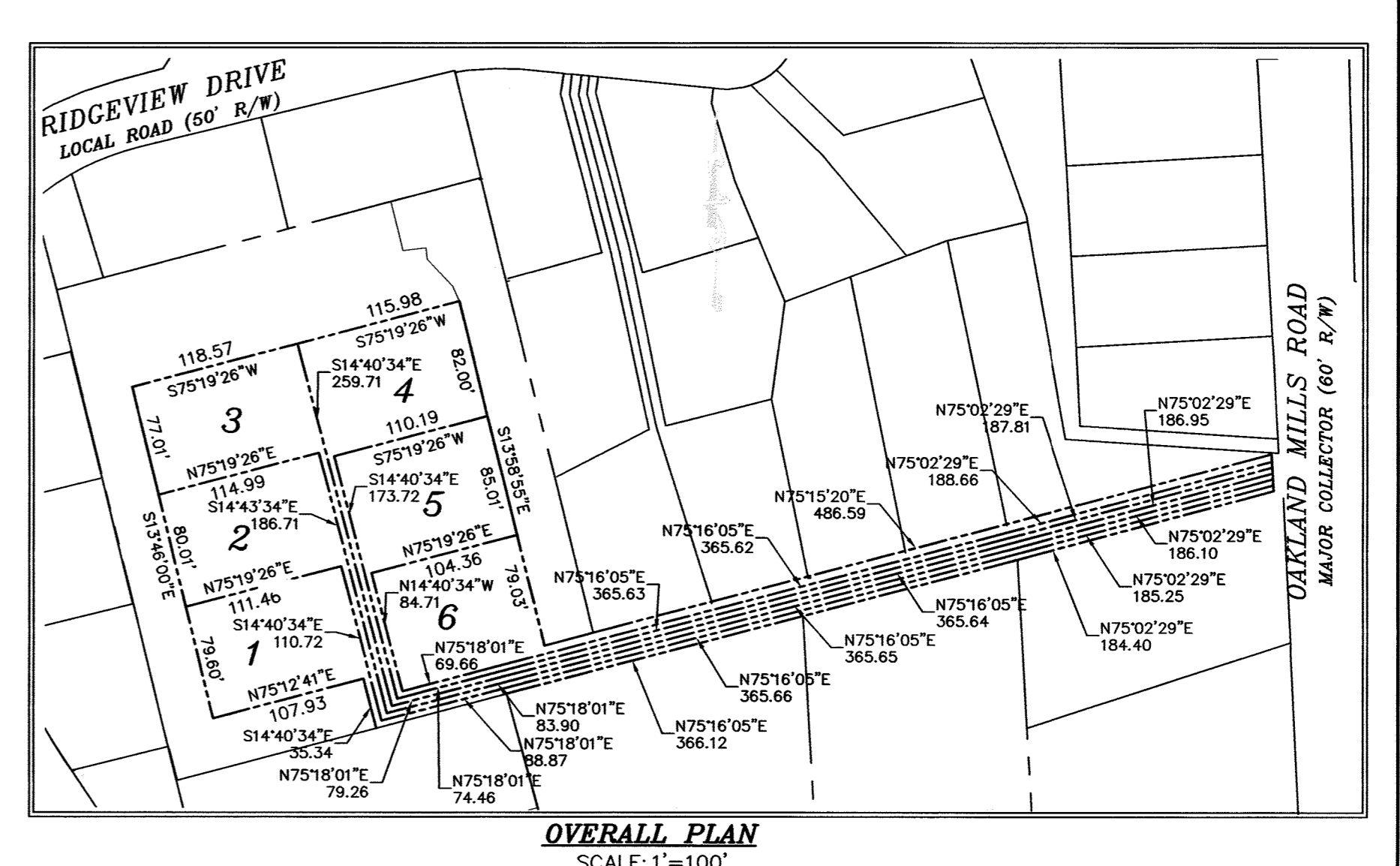
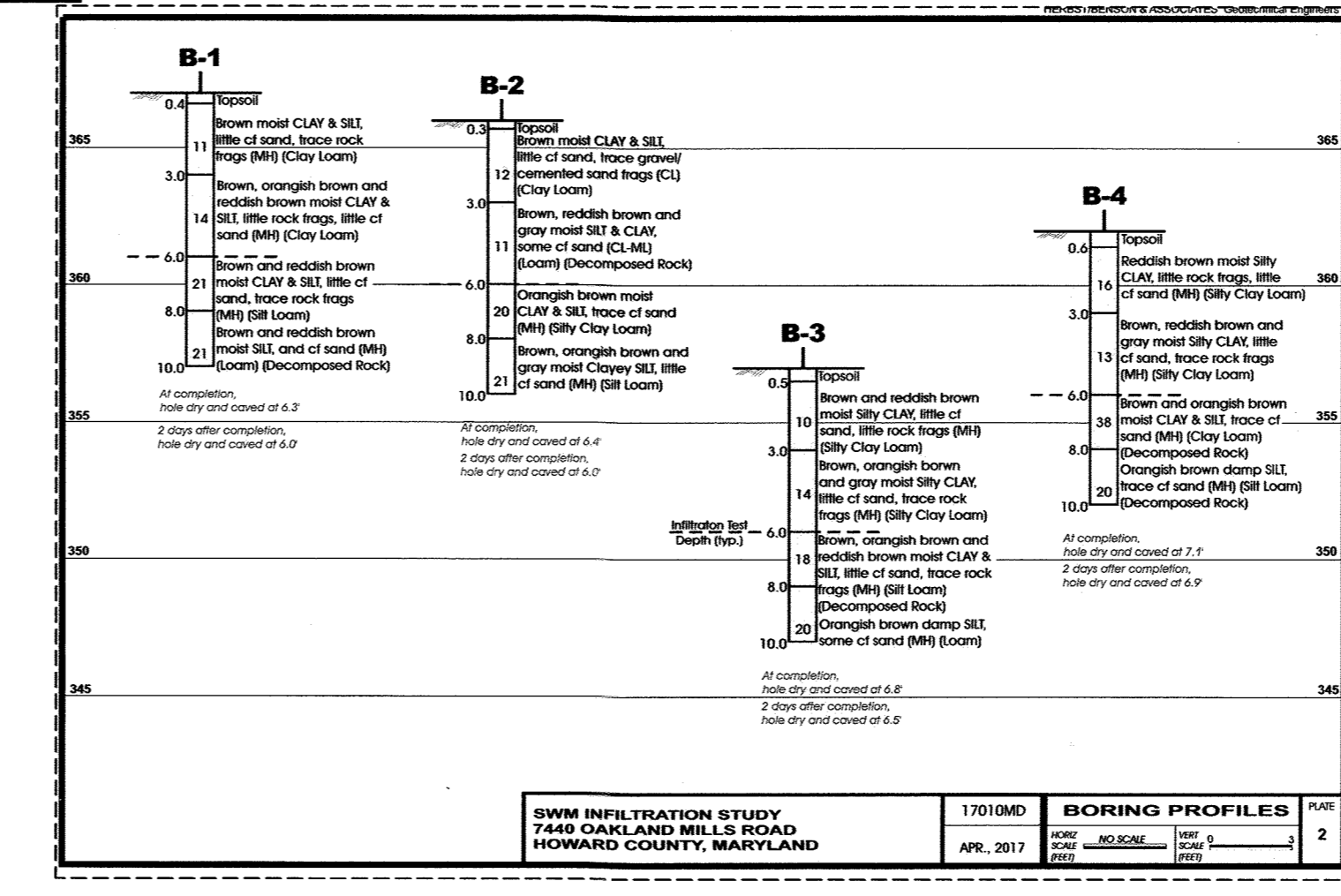
DEVELOPER

SAMER A. ALOMER P.E.
 DATE: 9.28.21



OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRY WELLS (M-5)

- THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT.
- THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO ENSURE TRENCH DRAINAGE.
- THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
- WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN A SEVENTY-TWO (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO ENSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
- ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.



SWM PRACTICES SCHEDULE

AREA	ADDRESS	PROP. PRACTICES	SIZE	DRYWELL #	REQ. ESDV	PROV. ESDV
LOT 1	7440 OAKLAND MILLS RD.	M-5, DRYWELL	17.75'x7.00'x5.00'	2 EACH	497 C.F.	497 C.F.
LOT 2	7438 OAKLAND MILLS RD.	M-5, DRYWELL	17.75'x7.00'x5.00'	2 EACH	497 C.F.	497 C.F.
LOT 3	7436 OAKLAND MILLS RD.	M-5, DRYWELL	20.75'x7.00'x5.00'	3 EACH	497 C.F.	499 C.F.
LOT 4	7434 OAKLAND MILLS RD.	M-5, DRYWELL	16.00'x7.00'x5.00'	2 EACH	443 C.F.	448 C.F.
LOT 5	7432 OAKLAND MILLS RD.	M-5, DRYWELL	16.00'x7.00'x5.00'	2 EACH	443 C.F.	448 C.F.
LOT 6	7430 OAKLAND MILLS RD.	M-5, DRYWELL	16.00'x7.00'x5.00'	2 EACH	443 C.F.	448 C.F.

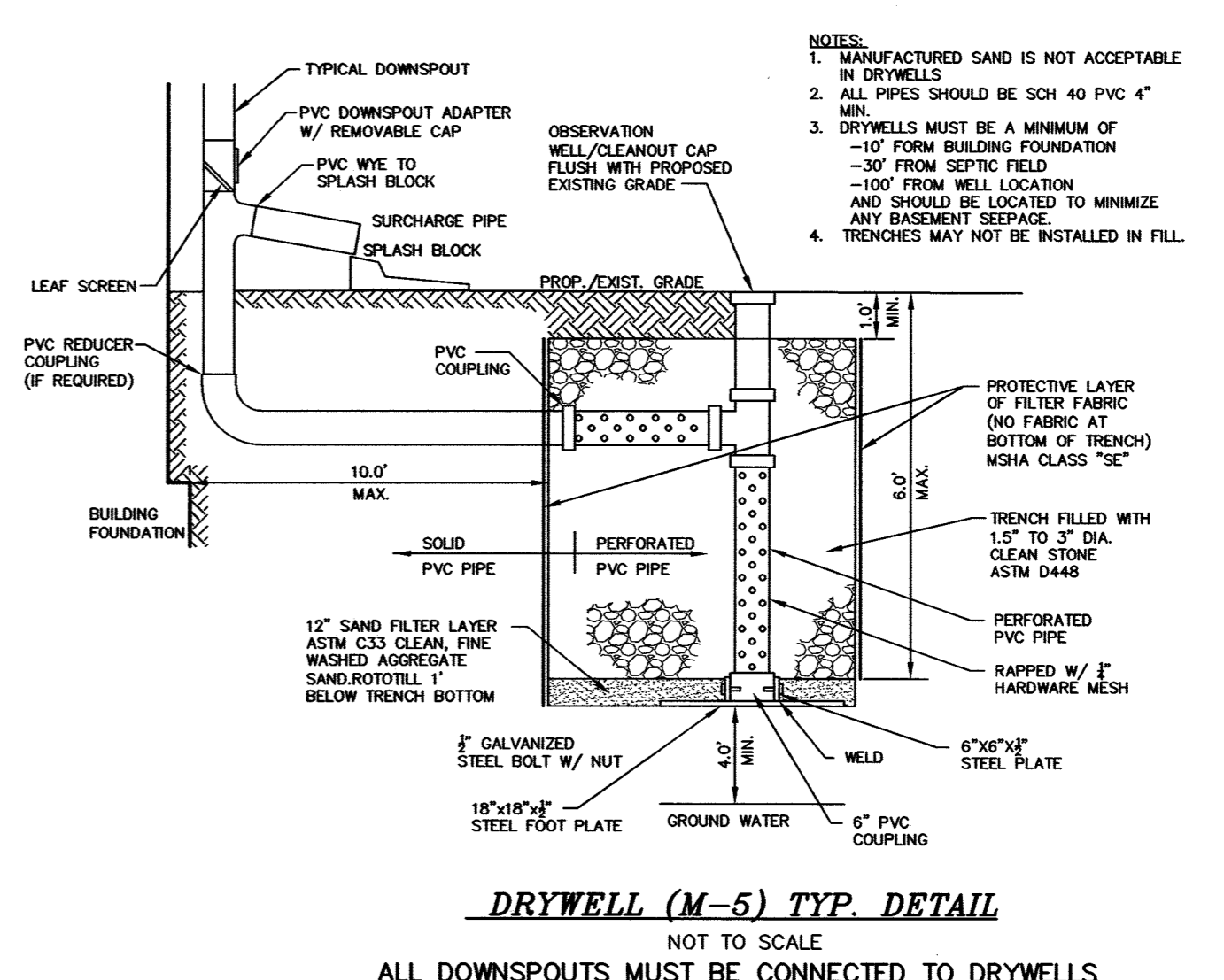


TABLE B.4.1 MATERIALS SPECIFICATIONS FOR MICRO-BIOTRETENTION, RAIN GARDENS & LANDSCAPE INFILTRATION

MATERIAL	SPECIFICATION	SIZE	NOTES
PLANTINGS	SEE APPENDIX A, TABLE A.4.	N/A	PLANTINGS ARE SITE-SPECIFIC
PLANTING SOIL [2" TO 4" DEEP]	LOAMY SAND (60 - 65%) OR COMPOST (35 - 40%) OR SANDY LOAM (30%), COARSE SAND (30%) & COMPOST (40%)	N/A	USDA SOIL TYPES LOAMY SAND OR SANDY LOAM; CLAY CONTENT < 3%
ORGANIC CONTENT	MIN. 10% BY DRY WEIGHT (ASTM D 2974)	N/A	
MULCH	SHREDDED HARDWOOD		AGED 6 MONTHS, MINIMUM; NO PINE OR WOOD CHIPS
PEA GRAVEL DIAPHRAGM	PEA GRAVEL ASTM-D-448	NO. 8 OR NO. 9 (1/8" TO 3/8")	
CURTAIN DRAIN	ORNAMENTAL STONE; WASHED COBBLES	STONE: 2" TO 5"	
GEOTEXTILE		N/A	
GRAVEL (UNDERDRAINS AND INFILTRATION BERMS)	AASHTO M-43	NO. 57 OR NO. 6 (3/8" TO 3/4")	
UNDERDRAIN PIPING	F 750, TYPE PS 28 OR AASHTO M-278	4" TO 6" RIGID SCHEDULE 40 PVC OR SD35	SLOTTED OR PERFORATED PIPE; 3/8" PERFOR. @ 6" ON CENTER; 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES; NOT NECESSARY UNDERNEATH PIPES. PERFORATED PIPE SHALL BE WRAPPED WITH 1/2-INCH GALVANIZED HARDWARE CLOTH
POURED IN PLACE CONCRETE (IF REQUIRED)	MSHA MIX NO. 3; FC = 3500	N/A	ON-SITE TESTING OF POURED-IN-PLACE CONCRETE REQUIRED; 28 DAY STRENGTH AND SLUMP TEST; ALL CONCRETE DESIGN (CAST-IN-PLACE OR PRE-CAST) NOT USING PREVIOUSLY APPROVED STATE OR LOCAL STANDARDS REQUIRES DESIGN DRAWINGS SEALED AND APPROVED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF MARYLAND; -DESIGN TO INCLUDE MEETING ACI CODE 550.8.8; VERTICAL LOADING [H=10 OR H=20] ALLOWABLE HORIZONTAL LOADING (BASED ON SOIL PRESSURES); AND ANALYSIS OF POTENTIAL CRACKING
SAND	AASHTO-M-6 OR ASTM-C-33	0.02" TO 0.04"	SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE (ASHTO) #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATE OR DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND.

date: OCT 2021
 project: 21-001
 illustration: MAM
 scale: MAM
 description: MAM
 approval: MAM
 SAA

BRICKLEY MILLS
 LOTS 1 THRU 6
 TAX MAP: 42 - GRID: 16 - PARCEL: 277
 HOWARD COUNTY, MARYLAND
 SIXTH ELECTION DISTRICT

MILDENBERG, BOENDER & ASSOC., INC.
 Surveyors
 Planners
 Engineers
 7850-B Crues Drive, Columbia, Maryland 21044
 (410) 997-0296 Tel. (410) 997-0298 Fax.

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