

INDEX OF DRAWINGS

NO.	DESCRIPTION
1	SITE DEVELOPMENT PLAN
2	SEDIMENT CONTROL NOTES AND DETAILS

ADDRESS CHART

LOT	ADDRESS
2	8422 HIGH RIDGE ROAD
3	8420 HIGH RIDGE ROAD

STORMWATER MANAGEMENT PRACTICES

LOT #	ADDRESS	GREEN ROOF PAVEMENTS	PERMEABLE ROOF PAVEMENTS	REINFORCED TURF	DISCONNECTION OF ROOF TOP RUNOFF	DISCONNECTION OF NON-ROOF TOP RUNOFF	SHEETFLOW TO CONSERVATION AREAS	RAINWATER HARVESTING	SUBMERGED GRAVEL WETLANDS	LANDSCAPE INFILTRATION	INFILTRATION BERMS	DRY WELLS	MICRO-BIOTRETION	RAIN GARDENS	SWALES	ENHANCED FILTERS
2	8422 HIGH RIDGE RD															
3	8420 HIGH RIDGE RD				2											

PERMIT INFORMATION BLOCK

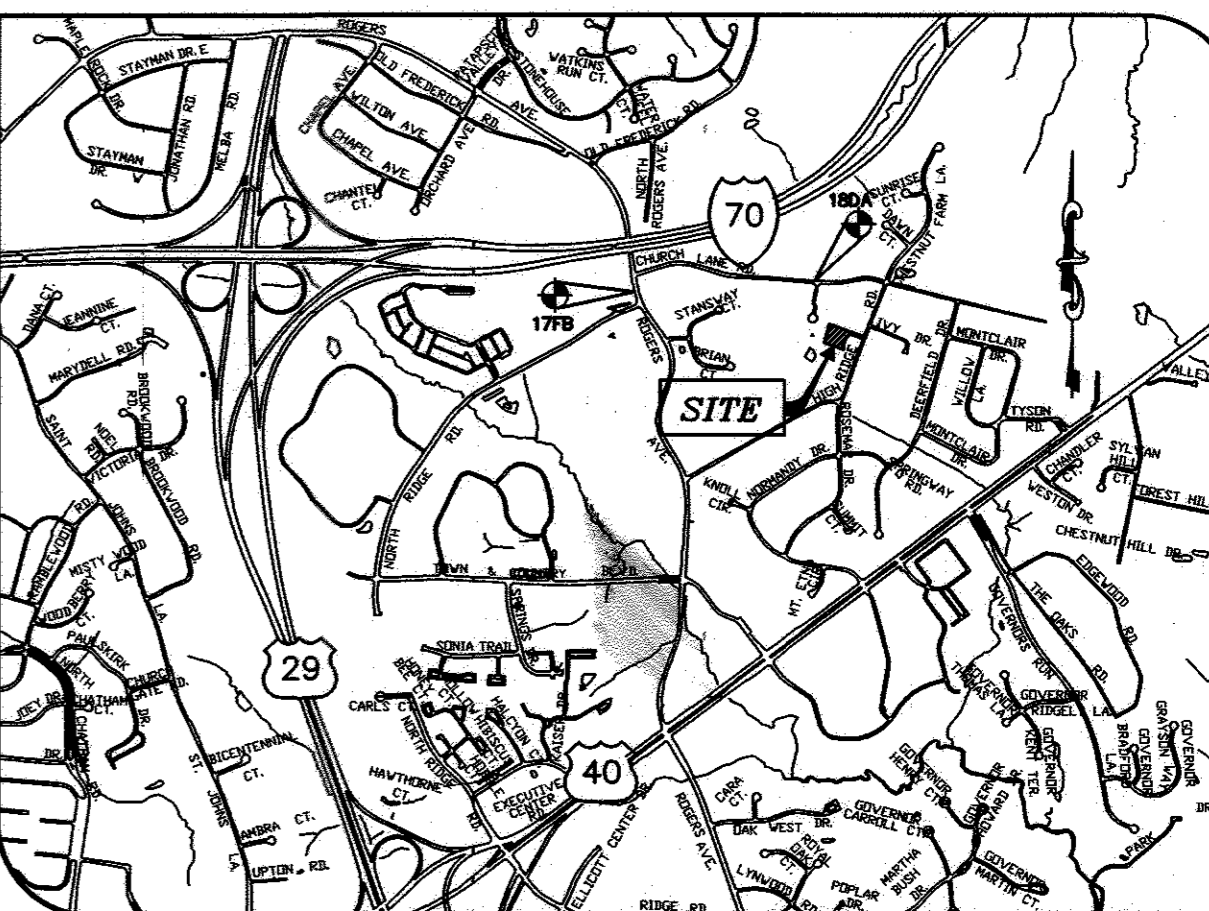
SUBDIVISION NAME: CARVER ESTATES, LOTS 1 - 3	SECTION/AREA: N/A	PARCEL: 45 LOTS 2 & 3
PLAT NO. 23014	BLOCK(S) 13	ZONING R-20
TAX MAP NO. 18	ELECTION DISTRICT SECOND	CENSUS TRACT 602600
WATER CODE F02	SEWER CODE 1453600	

SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR	SOIL MAP #
LoB	(B)	LEGORE-MONTALTO-URBAN LAND COMPLEX 0 TO 8 PERCENT SLOPES	32	14
GhB	(B)	GLENELG-URBAN LAND COMPLEX 0 TO 8 PERCENT SLOPES	28	14

SWM PRACTICES SCHEDULE

LOT #	PROPOSED PRACTICES	REQUIRED ESdv	PROVIDED ESdv
LOT 2	N-1 ROOFTOP DISCONNECTIONS M-5 DRY WELL M-6 MICRO-BIOTRETION	590.1 C.F.	727.4 C.F.
LOT 3	N-1 ROOFTOP DISCONNECTIONS M-6 MICRO-BIOTRETION	530.4 C.F.	552.2 C.F.

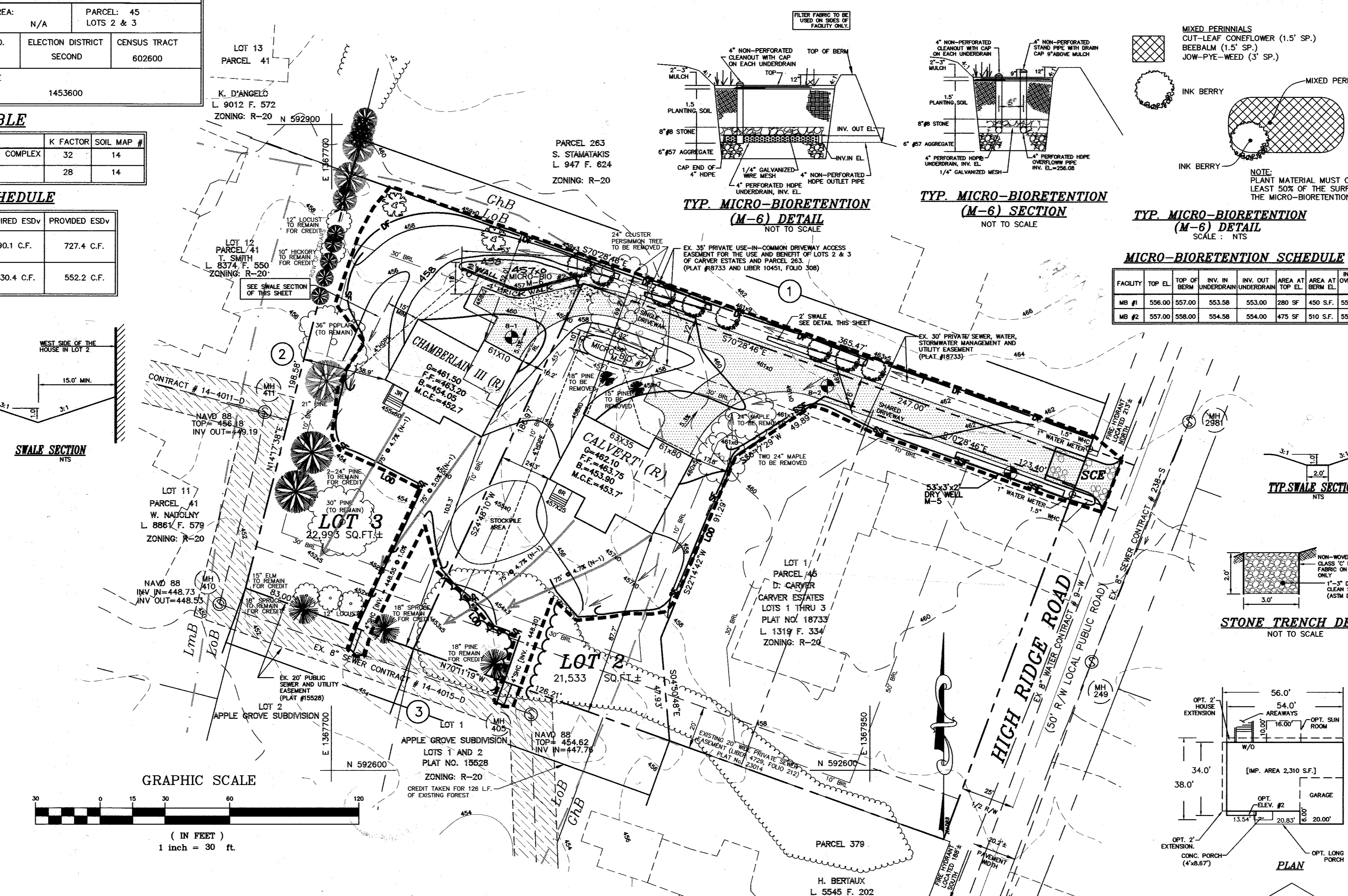


VICINITY MAP

SCALE: 1"=2,000'
ADC MAP 12, GRID F-5

NOTES:

1. SITE ANALYSIS DATA:
LOCATION: TAX MAP # 18 PARCEL: 45, GRID: 13, LOT 2 AND 3
ELECTION DISTRICT: SECOND
ZONING: R-20
DPZ FILE NOS. F-04-140, F-15-017 & ECP-14-084
TOTAL AREA: 1.02 AC±
AREA OF ROAD DEDICATION: 0
LIMIT OF DISTURBED AREA: 0.76 AC± (33,040 S.F.)
PROPOSED USE FOR SITE: RESIDENTIAL
TOTAL NUMBER OF UNITS: 2
PARKING REQUIRED: 2.5 SPACES PER UNIT, PROVIDED: 4 SPACES PER UNIT
TYPE OF PROPOSED UNIT: SPD
DEED REFERENCE: LIBER 1319, FOLIO 334
2. HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 177B AND 180A
STA 180A N 593,334.422, E 1,367,562.226, EL.483.162
STA 177B N 593,214.452, E 1,365,669.045, EL.456.243
3. IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 18 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.
4. THE SUBJECT PROPERTY IS ZONED R - 20 PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
5. DRIVEWAYS SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLING TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
-WIDTH - 12' SERVING MORE THAN ONE RESIDENCE
-SURFACE - 6" OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1 - 1 1/2" MIN)
-GEOMETRY - MAX. 15% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RAD.
-STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
-DRAINAGE ELEMENTS - SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OF THE DRIVEWAY SURFACE
-MAINTENANCE SUFFICIENT TO ENSURE ALL WEATHER USE
6. FLAG OR PIPESTEM LOTS, REFUSE COLLECTION AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND RIGHT-OF-WAY LINE AND NOT ONTO THE PIPESTEM LOT DRIVEWAY.
7. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. FINANCIAL SURETY IN THE AMOUNT OF \$1,800 FOR 2 SHADE TREES AND 8 ORNAMENTAL TREES WILL BE POSTED WITH THE GRADING PERMIT.
8. ON-SITE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY CONDUCTED BY MILDENBERG, BOENDER & ASSOCIATES ON OR ABOUT MAY 2014.
9. BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
10. THE PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. PUBLIC WATER AND SEWER WILL BE UTILIZED UNDER CONTRACT # 9-W AND # 14-4011-D SEWER. EXISTING UTILITIES ARE BASED ON ACTUAL FIELD LOCATIONS, IN COMBINATION WITH EXISTING WATER AND SEWER CONTRACTS.
11. SEWER HOUSE CONNECTION ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE OR EASEMENT LINE.
12. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST 48 HOURS PRIOR TO EXCAVATION WORK BEING DONE:
MISS UTILITY 800-257-7777 (410) 725-9976
VERIZON TELEPHONE COMPANY (410) 313-4900
HOWARD COUNTY BUREAU OF UTILITIES (410) 393-3533
AT&T CABLE LOCATION DIVISION (410) 685-0123
BALTIMORE GAS AND ELECTRIC STATE HIGHWAY ADMINISTRATION (410) 531-5533
13. 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.
14. NO WETLANDS, FLOODPLAIN, STREAMS OR THEIR BUFFERS OR STEEP SLOPES EXIST ON OR IMPACT THIS PARCEL. THE INVESTIGATION WAS PERFORMED BY MILDENBERG, BOENDER & ASSOC. ON MAY 16, 2014.
15. FOREST CONSERVATION OBLIGATION FOR THIS SUBDIVISION WAS FULFILLED BY PAYMENT OF FEE-IN-LIEU UNDER F-04-140.
16. A PRIVATE USE-IN-COMMON DRIVEWAY MAINTENANCE AGREEMENT FOR LOTS 2, 3 AND TAX PARCEL 263 AND ANY ADDITIONAL LOTS THAT MAY BE CREATED WITH THE SUBDIVISION OF THAT TAX PARCEL WAS RECORDED AT THE TIME OF SUBDIVISION UNDER F-14-140 IN THE LAND RECORDS OF HOWARD COUNTY ON OCTOBER 6, 2006, AS LIBER 10451, FOLIO 308.
17. INDIVIDUAL HOUSE SITES SHALL PROVIDE PRIVATE DRIVEWAYS WITH A MINIMUM 18' FOOT DEPTH FROM THE FACE OF GARAGE TO THE EDGE OF THE USE-IN-COMMON DRIVEWAY SO THAT A CAR, IF PARKED IN THE DRIVEWAY, WILL NOT OVERHANG INTO THE PAVED AREA OF THE SHARED DRIVEWAY.
18. VISITOR AND GUEST PARKING IS RESTRICTED ALONG THE SHARED DRIVEWAY IN ORDER TO PROVIDE ADEQUATE UNOBSTRUCTED ACCESS TO ALL DWELLINGS AT ALL TIMES AS REQUIRED BY HOWARD COUNTY DEPARTMENT OF FIRE & RESCUE.
19. THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, PLANTS MATERIAL, BERM, FENCES AND WALLS. ALL PLANT MATERIAL SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
20. AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTING MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.
21. SHOULD ANY TREE DESIGNATED FOR PRESERVATION, FOR WHICH CREDIT IS GIVEN, DIE PRIOR TO RELEASE OF BOND, THE OWNER WILL BE REQUIRED TO REPLACE THE TREE WITH THE EQUIVALENT SPECIES OR WITH A TREE THAT WILL OBTAIN THE SAME HEIGHT, SPREAD AND GROWTH CHARACTERISTICS. THE REPLACEMENT TREE MUST BE A MINIMUM OF 3" IN CALIPER AND INSTALLED AS REQUIRED IN THE LANDSCAPE MANUAL.
22. THIS SDP HAS MODIFIED THE STORMWATER MANAGEMENT DESIGN FOR LOTS 1 AND 2 APPROVED FOR THIS PROJECT UNDER F-04-140. THIS MODIFIED DESIGN WILL UTILIZE MICRO-BIOTRETION FACILITIES (M-6), NON-ROOFTOP DISCONNECTION (N-2) AND DRYWELL (M-5). SWM WILL BE PRIVATELY OWNED AND MAINTAIN.
23. EXISTING UTILITIES SHOWN HEREON HAVE BEEN FIELD VERIFIED ON OR ABOUT APRIL 2014.
24. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
25. FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD DETAIL R-6.06.



LEGEND

- SOIL BORING
- EX. POWER POLE
- OVERHEAD ELEC.
- EX. SANITARY MH
- CLEAN OUT
- WATER METER
- MINOR CONTOUR
- MAJOR CONTOUR
- STABILIZED CONSTRUCTION ENTRANCE
- LOD
- LIMITS OF DISTURBANCE
- PERMETER LANDSCAPING
- SPECIMEN TREE TO REMAIN
- EXIST. TREE LINE
- PROPOSED TREE LINE
- SUPER SILT FENCE
- SILT FENCE
- DIVERSION FENCE
- EX. SEWER EASEMENT
- PROPOSED DRIVEWAY
- 75% @5% MAX ROOFTOP DISCONNECTION (N-1)

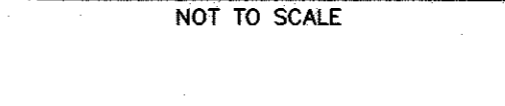
SWALE SECTION



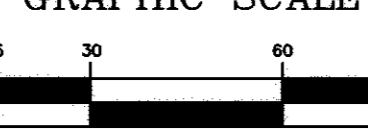
TYP. SWALE SECTION



STONE TRENCH DETAIL



GRAPHIC SCALE



OWNER/DEVELOPER

DORSEY FAMILY HOMES
10717 B BIRMINGHAM WAY
WOODSTOCK, MARYLAND 21163
410-465-5739

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: *Robert S. Slagter* DATE: 6/13/16
PRINTED NAME OF DEVELOPER: Robert S. Slagter

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: *R. Jacob Hikmat P.E.* DATE: 6/15/16
PRINTED NAME OF ENGINEER: R. JACOB HIKMAT P.E.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: *[Official Seal]* DATE: 6-23-16
Signature: *[Official Seal]* DATE: 6-23-16
Signature: *[Official Seal]* DATE: 6-28-16

SCHEDULE A: PERIMETER LANDSCAPED EDGE

CATEGORY	ADJACENT TO PERIMETER PROPERTIES			TOTALS
	A (PERIMETER #1)	A (PERIMETER #2)	A (PERIMETER #3)	
LINEAR FEET OF PERIMETER	365.47 LF	198.58 LF	209.21 LF	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	YES, 3 EXISTING TREES	YES, 126 LF. EXISTING VEGETATION & 1 TREE	
NUMBER OF PLANTS REQUIRED	6 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	3 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	1 SHADE TREE 0 EVERGREEN TREES 0 SHRUBS	10 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	0 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	3 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	1 SHADE TREE 0 EVERGREEN TREES 0 SHRUBS	4 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS
NUMBER OF PLANTS PROVIDED	2 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS (10:1 SUBSTITUTION)	0 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	0 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	2 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS

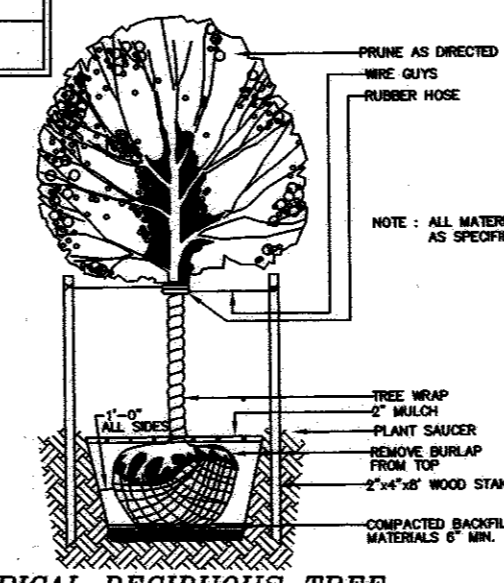
PERIMETER #2: CREDIT TAKEN FOR 12" LOUST, 10" HICKORY & 36" POPLAR.
PERIMETER #3: CREDIT TAKEN FOR 15" ELM, 2-18" SPRUCE & 126 LF. OF EXISTING TREES.

LANDSCAPE REQUIREMENT PLANTING SCHEDULE

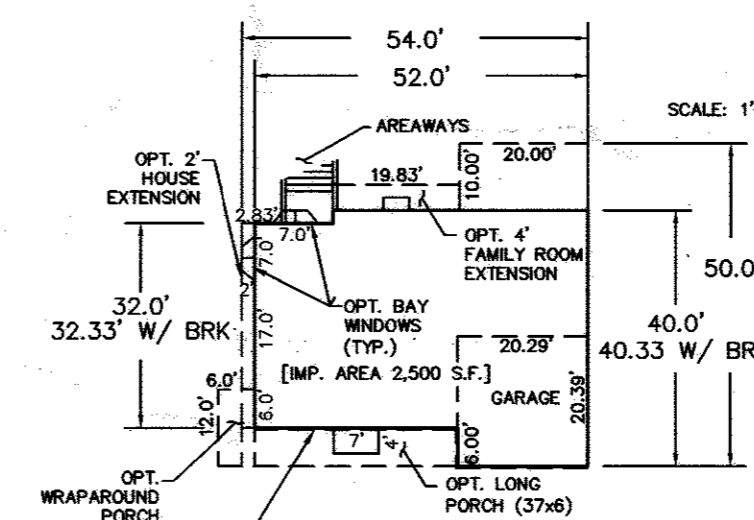
QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
8	(Tree Symbol)	PRUNUS X INCAMP 'OKAME' OR EQUIVALENT AS OUTLINES IN THE HO. CO. LANDSCAPE MANUAL	OKAME CHERRY OR EQUIVALENT AS OUTLINES IN THE HO. CO. LANDSCAPE MANUAL	1 1/2" - 2" CAL.
2	(Tree Symbol)	QUERCUS RUBRA 'RED OAK' OR EQUIVALENT AS OUTLINES IN THE HO. CO. LANDSCAPE MANUAL	RED OAK OR EQUIVALENT AS OUTLINES IN THE HO. CO. LANDSCAPE MANUAL	2 1/2" - 3" CAL.

MINIMUM LOT SIZE

LOT	GROSS AREA	PIPESTEM AREA	MINIMUM LOT SIZE
2	21,533 S.F.	1,482 S.F.	20,051 S.F.
3	22,993 S.F.	2,965 S.F.	20,028 S.F.



TYPICAL DECIDUOUS TREE PLANTING DETAIL



PLAN CHAMBERLAIN III

PROFILE CALVERT

DEVELOPER'S/OWNER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF NOTICE, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Signature: *Robert S. Slagter* DATE: 6/13/16
Signature: *R. Jacob Hikmat P.E.* DATE: 6/15/16

REPLACEMENT SHEET
THE PURPOSE OF THIS REPLACEMENT SHEET IS TO ADD SPECIFIC HOUSE TYPES TO LOTS 2 AND 3, TO REVISE STORMWATER MANAGEMENT PRACTICES AND TO ADJUST GRADING AS APPROPRIATE.

CARVER ESTATES, LOTS 2 AND 3
SINGLE FAMILY DWELLING
SECOND ELECTION DISTRICT, HOWARD COUNTY, MD. TAX MAP 18, PARCEL 45, GRID 13
REVISED SITE DEVELOPMENT PLAN

Project date: JUNE 2016
Illustration: TMH
Scale: 1"=30'
Approval: MMH
Date: 9/27/14

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

1 OF 2
SDP 15-006

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

DEFINITION: THE PROCESS OF PREPARING THE SOILS TO SUSTAIN ADEQUATE VEGETATIVE STABILIZATION. PURPOSE: TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. CRITERIA: WHERE VEGETATIVE STABILIZATION IS TO BE ESTABLISHED. A. SOIL PREPARATION 1. TEMPORARY STABILIZATION a. SEEDBED 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 SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THIS SECTION...

C. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS) 1. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LIME AND FERTILIZER. 2. FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROPRIATE EQUIPMENT...

OWNER/DEVELOPER

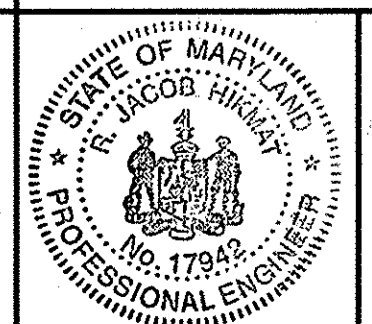
DORSEY FAMILY HOMES 5803 MARBUCK WAY ELKRIIDGE, MARYLAND 21075 443-463-4771

DEVELOPERS CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT CONTROL...

ENGINEER'S CERTIFICATE I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND REASONABLE DESIGN BASED ON THE INFORMATION PROVIDED BY THE CLIENT AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE...

APPROVED: DEPARTMENT OF PLANNING AND ZONING CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 3-3-15



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

DEFINITION: THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETATIVE COVER. PURPOSE: TO PROTECT DISTURBED SOILS FROM EROSION DURING AND AT THE END OF CONSTRUCTION. CRITERIA: TO THE SURFACE OF ALL PERIMETER CONTROLS, SLOPES, AND ANY DISTURBED AREA NOT UNDER ACTIVE GRADING. A. SEEDING 1. SPECIFICATIONS a. ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW...

B. MULCHING 1. MULCH MATERIALS (IN ORDER OF PREFERENCE) a. STRAW: STRAW IS TO BE FREE OF NOXIOUS WEED SEEDS AS SPECIFIED IN THE MARYLAND SEED LAW AND NOT MUSTY, MOLLY, CAVED, DECAYED, OR EXCESSIVELY DUSTY. b. WOOD CELLULOSE FIBER MULCH (WCFM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A FIBROUS PHRASEAL STATE...

2. APPLICATION a. APPLY MULCH TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING. b. WHEN STRAW MULCH IS USED, SPREAD IT OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS PER ACRE TO A UNIFORM LOOSE DEPTH OF 1 TO 2 INCHES. c. WOOD CELLULOSE FIBER USED AS MULCH MUST BE APPLIED AT A NET DRY WEIGHT OF 1500 POUNDS PER 1000 S.F. OF AREA...

STANDARD SEDIMENT CONTROL NOTES

- 1) A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, BEFORE THE START OF ANY CONSTRUCTION. 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL...

STANDARD STABILIZATION NOTES:

- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN: a. THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1). b. SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE UNDER ACTIVE GRADING.

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. 17842, EXP. DATE 9/3/16. DATE: 2/10/15

(B-4-4) STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION

DEFINITION: TO STABILIZE DISTURBED SOIL WITH VEGETATION FOR UP TO 6 MONTHS. PURPOSE: TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURB SOIL. CRITERIA: 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.

(B-4-5) STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

DEFINITION: TO STABILIZE DISTURBED SOIL WITH PERMANENT VEGETATION. PURPOSE: TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER OF DISTURBED EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE.

CRITERIA: 1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1 FOR THE APPROPRIATE PLANT HARDNESS ZONE (FROM FIGURE B.3), AND ENTER THEM IN THE TEMPORARY SEEDING SUMMARY ALONG WITH APPLICATION RATES, SEEDING DATES AND SEEDING DEPTHS. 2. FOR SITES HAVING SOIL TESTS PERFORMED, USE AND SHOW THE RECOMMENDED RATES BY THE TESTING AGENCY. SOIL TESTS ARE NOT REQUIRED FOR TEMPORARY SEEDING.

(B-4-8) STANDARDS AND SPECIFICATION FOR STOCKPILE AREA

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.

TEMPORARY SEEDING FOR SITE STABILIZATION table with columns: PLANT SPECIES, SEEDING RATE, SEEDING DEPTH, RECOMMENDED SEEDING DATED BY PLANT HARDNESS ZONE.

PERMANENT SEEDING SUMMARY table with columns: NO., SPECIES, APPLICATION RATE, SEEDING DATES, SEEDING DEPTHS, FERTILIZER RATE, LIME RATE.

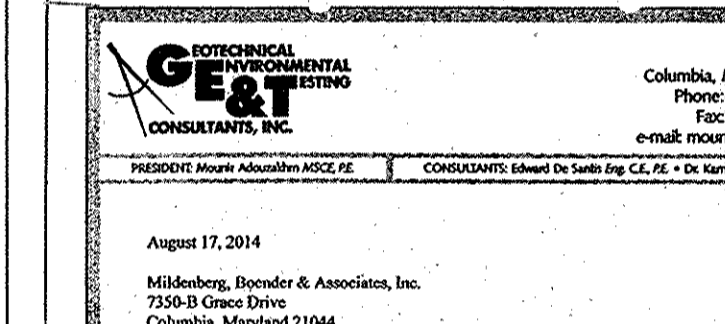
OPERATION AND MAINTENANCE SCHEDULE FOR PERVIOUS CONCRETE (A-2)

- A. THE OWNER SHALL PERIODICALLY SWEEP (OR VACUUM POROUS CONCRETE PAVEMENT) THE PAVEMENT SURFACES TO REDUCE SEDIMENT ACCUMULATION AND ENSURE CONTINUED SURFACE POROSITY. SWEEPING SHOULD BE PERFORMED AT LEAST TWICE ANNUALLY WITH A COMMERCIAL CLEANING UNIT. WASHING OF COMPRESSED AIR UNITS SHOULD NOT BE USED TO PERFORM SURFACE CLEANING.

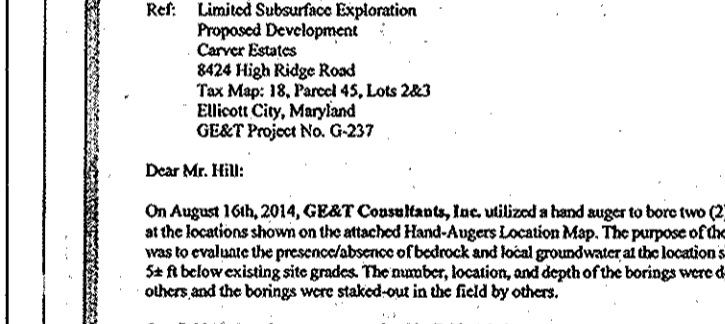
SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT (1 DAY) 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AT LOCATION SHOWN (1 DAY) 3. PERFORM CLEARING AND GRUBBING NECESSARY FOR THE INSTALLATION OF SILT FENCE AND ADD TREE PROTECTION FENCING (2 DAY) 4. PERFORM CLEARING AND GRUBBING WITH INSTALLED PERIMETER CONTROLS 5. GRADE SITE PER PLAN (5 DAYS) 6. CONSTRUCT WATER AND SEWER HOUSE CONNECTIONS (5 DAYS) 7. CONSTRUCT HOUSE (90 - 180 DAYS) 8. COMPLETE FINE GRADING OF SITE TO GRADES INDICATED (2 DAYS) 9. SEED AND MULCH ALL REMAINING DISTURBED AREAS (1 DAY PER) 10. CONSTRUCT MICRO-SCALE PRACTICE (2 DAYS) 11. WHEN ALL CONTRIBUTING DRAINAGE AREAS TO SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED, AND WITH PERMISSION OF SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS (1 DAY)

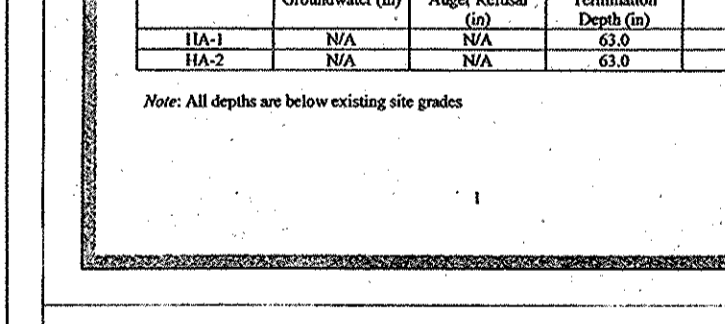
DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE



DETAIL B-1 SILT FENCE



DETAIL C-9 DIVERSION FENCE



OPERATION AND MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (M-G)

- ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSESTICATION. INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: GOOD PRAIRIE LARK SPURWINDER, DESHAH MANUAL VOLUME 1, TABLE A.4.1 AND 2.

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

- A. THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT. B. THE OWNER SHALL RECORD THE WATER LEVELS AND TRENCH BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DISCONNECTION OF ROOFTOP RUNOFF (N-1)

- MAINTENANCE OF AREAS RECEIVING DISCONNECTED RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER-BORN OR LANDSCAPED AREAS. THE OWNER SHALL ENSURE THE AREAS RECEIVING RUNOFF ARE PROTECTED FROM FUTURE COMPACTION OF IMPERVIOUS AREAS. IN COMMERCIAL AREAS, FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2)

- MAINTENANCE OF AREAS RECEIVING DISCONNECTED RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER-BORN OR LANDSCAPED AREAS. THE OWNER SHALL ENSURE THE AREAS RECEIVING RUNOFF ARE PROTECTED FROM FUTURE COMPACTION OF IMPERVIOUS AREAS. IN COMMERCIAL AREAS, FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

Project schedule table with columns: date, project, description, status.

DATE: 2/10/15

8422 HIGH RIDGE RD. (LOT 2) & 8420 HIGH RIDGE RD. (LOT 3) SECOND ELECTION DISTRICT, HOWARD COUNTY, MD. TAX MAP 18, PARCEL 45, GRID 13 SEDIMENT CONTROL NOTES AND DETAILS

MILDENBERG & ASSOC., INC. 7850-B Grace Drive, Columbia, Maryland 21044 (410) 997-0298 Fax: (410) 997-0296