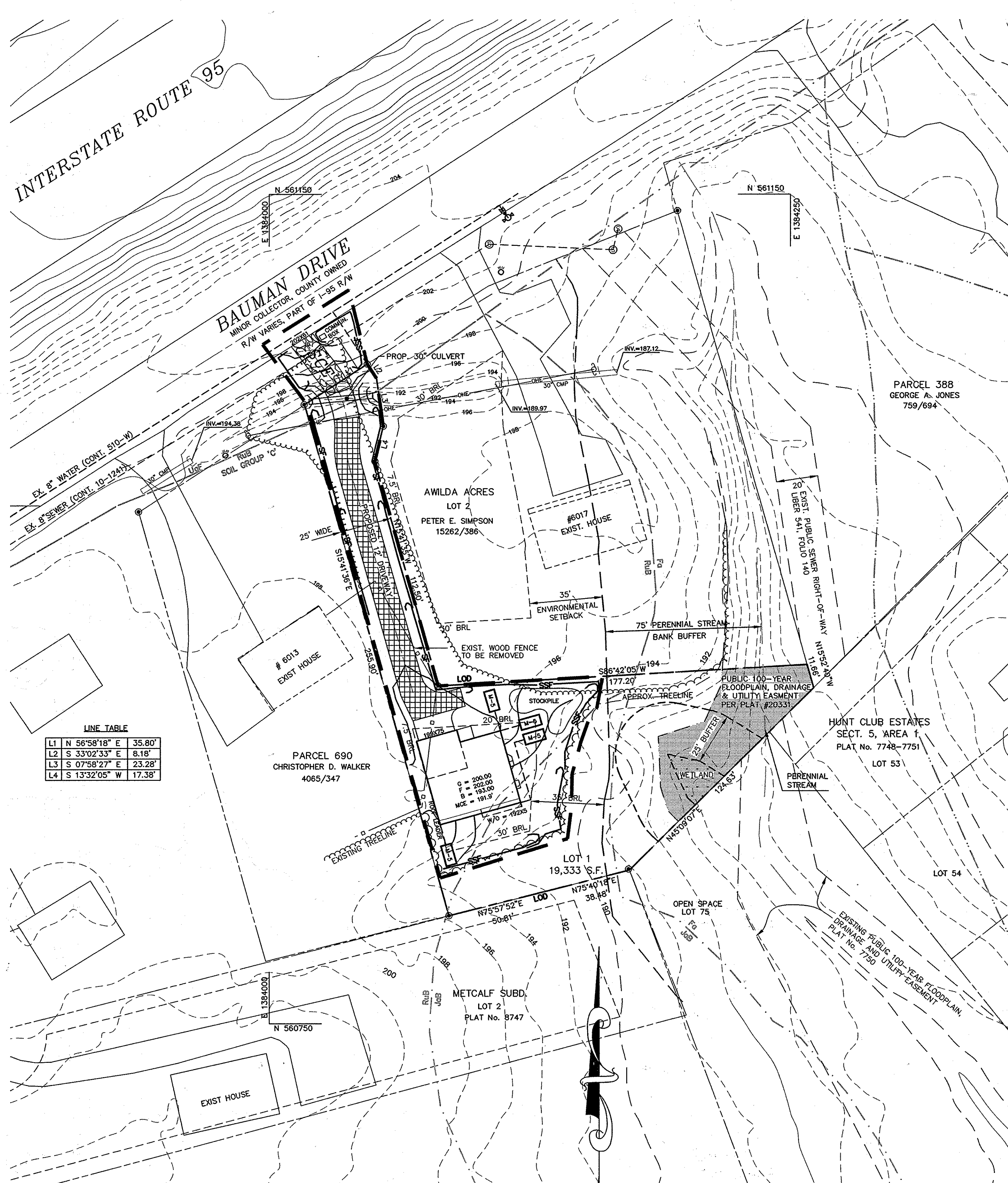


SOILS TABLE

SYMBOL	GROUP	NAME	K FACTOR	SOIL MAP #
Fa	(D)	FALLSINGTON SANDY LOAM, 0-2% SLOPES.	.02	20
RuB	(C)	RUSSETT-BELTSVILLE SOIL, 2-5% SLOPES.	.24	20
JoB	(D)	JACKLAND SILT LOAM, 3-8% SLOPES.	.55	20
UoF	N/A	UDORTMENTS, HIGHWAY, 0 - 65% SLOPES	---	---

LEGEND

- A-2. AREA TREATED BY PERMEABLE PAVEMENT.
- PUBLIC 100-YEAR FLOODPLAIN, DRAINAGE & UTILITY EASEMENT - PER PLAT #20331.
- WETLANDS
- EXISTING TREELINE
- PROPOSED TREELINE
- SOIL LINE AND SOIL TYPE
- PERENNIAL STREAM
- M-5, SC-740 STORMTECH CHAMBER (MOD. DRY WELL)
- LIMIT OF DISTURBANCE
- SUPER SILT FENCE
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- UTILITY POLE
- WATER METER
- FIRE HYDRANT



LINE TABLE

L1	N	56°58'18"	E	35.80'
L2	S	33°02'33"	E	8.18'
L3	S	07°58'27"	E	23.28'
L4	S	13°32'05"	W	17.38'

SITE ANALYSIS DATA:

- AREA OF THE SITE = 19,333 S.F. OR 0.44 AC ±
- AREA OF THE ROAD DEDICATION = 0
- AREA OF WETLANDS AND ITS BUFFERS = 2,753 S.F.
- AREA OF FLOODPLAIN = 2,562 S.F.
- AREA OF STREAM BUFFER = 5,701 S.F.
- AREA OF FOREST = 12,000 S.F.
- AREA OF STEEP SLOPES = 0
- AREA OF ERODABLE SOILS = 4,443 S.F.
- LIMIT OF DISTURBANCE AREA = 12,309 S.F. OR 0.33 AC ±
- ONE NEW SINGLE FAMILY HOME IS PROPOSED.
- PROPOSED GREEN OPEN SPACE AREA = 15,069 S.F. OR 0.34 AC±
- IMPERVIOUS AREA: HOUSE: 1,640 S.F. + DRIVEWAY: 2,660 S.F. = 4,300 S.F.
- PERCENT IMPERVIOUS (I): 22% (ROUND TO 25%) $P_e = 1.2'$

SWM PRACTICES SCHEDULE

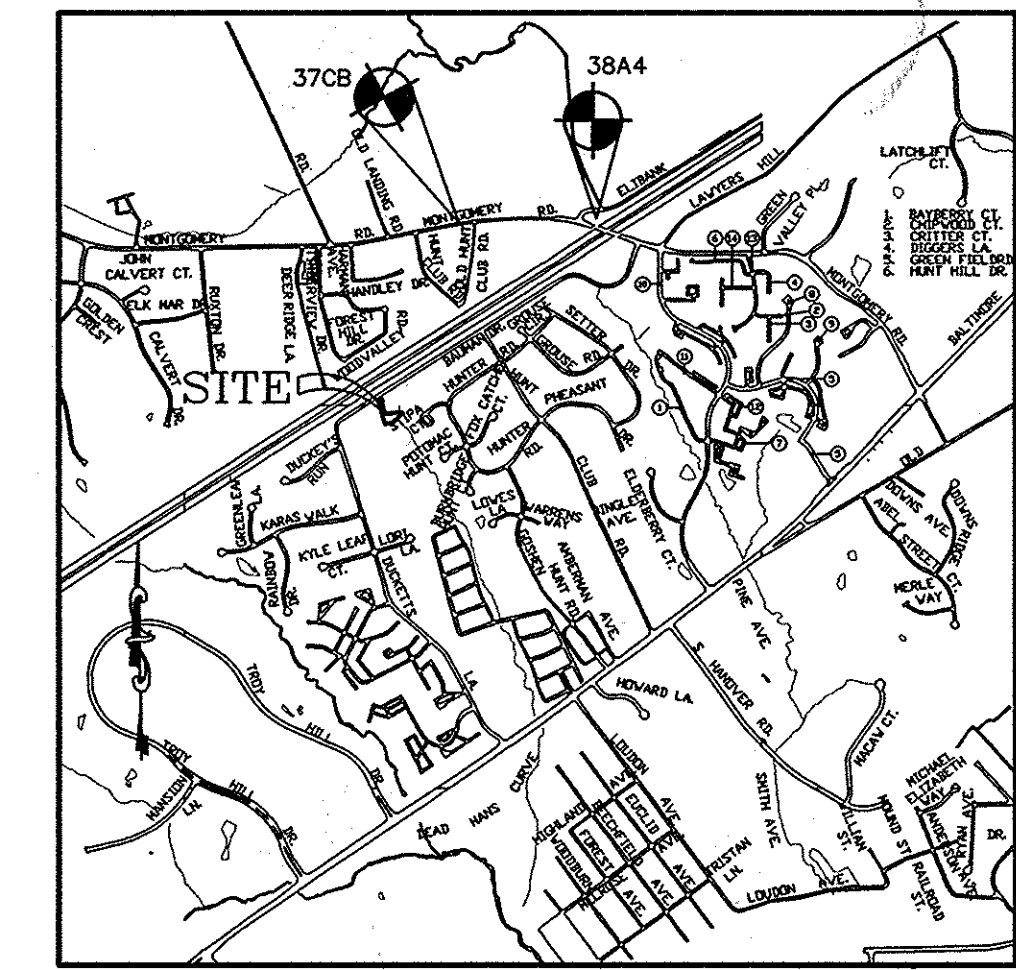
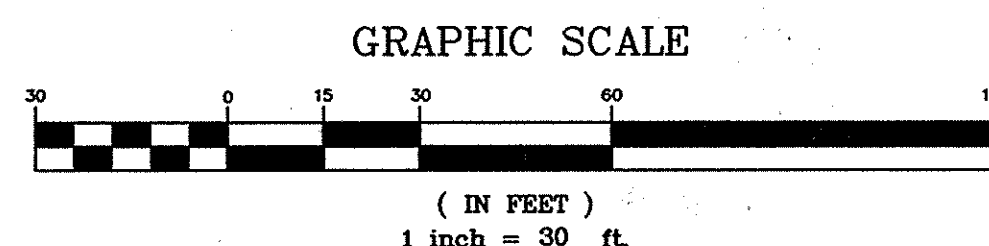
LOT #	PROPOSED PRACTICES	REQUIRED ESDV	PROVIDED ESDV
LOT 1	A-2, PERMEABLE PAVEMENT M-5, MOD. DRY WELLS	483.3 CF	484.3 CF

OWNER / DEVELOPER

BURKARD HOMES, LLC
5300 DORSEY HALL DRIVE
ELKBRIDGE, MD 21075
(443) 367-0422

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. 17942, EXP DATE 9/10/2014.

R. JACOB HIKMAT, P.E. DATE: 7/21/14

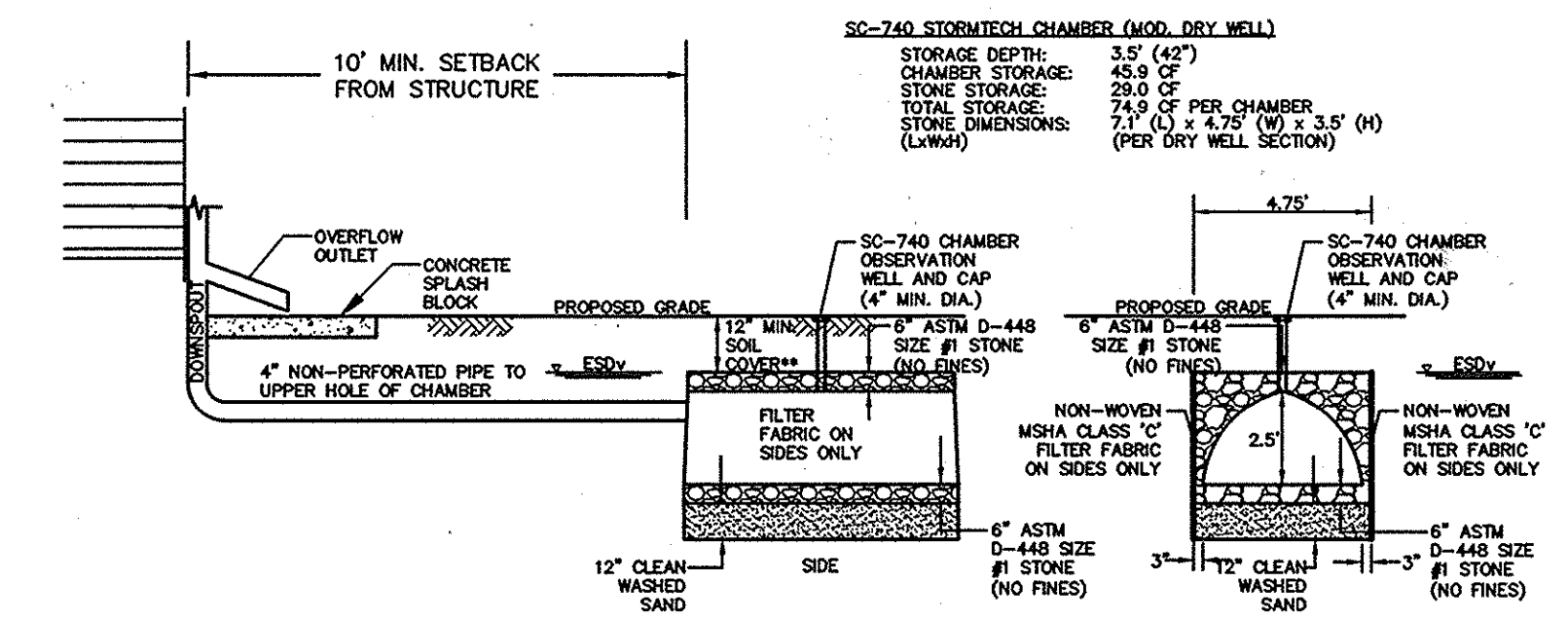


VICINITY MAP

SCALE: 1"=2000'
ADC MAP: 35 GRID: B-2

NOTES:

- SITE INFORMATION:
LOCATION: TAX MAP: 37 GRID: 12 PARCEL: 350 LOT: 01
ELECTION DISTRICT: FIRST
ZONING: R-12
DEED REFERENCE: 15523/0061
PREVIOUS DPZ NUMBERS: WP-04-146 & WP-08-55 & F-08-51
HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARLAND STATE PLANE COORDINATE SYSTEM AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 37CB & 38A4
STA. No. 37CB N 562,930.824 E 1,384,957.267 EL. 257.145
STA. No. 38A4 N 562,977.654 E 1,386,288.052 EL. 223.379
- THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS (COUNCIL BILL 45-2003). DEVELOPMENT OR CONSTRUCTION OF THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION OR BUILDING/GRADING PERMIT.
- APPROVAL OF THIS ECP DOES NOT CONSTITUTE ANY APPROVAL OF SUBSEQUENT SUBDIVISION OR SITE DEVELOPMENT PLANS. FURTHER COMMENTS WILL BE GENERATED UPON REVIEW OF THE APPLICABLE DEVELOPMENT PLANS IN ACCORDANCE WITH THE SUBDIVISION AND ZONING REGULATIONS.
- THIS SITE IS NOT LOCATED IN A HISTORIC DISTRICT.



MODIFIED DRY WELL (M-5) DETAIL

NOTE: ADJUST COVER OVER CHAMBER TO ENSURE THAT THE CLEAN WASHED SAND LAYER IS NOT PLACED IN FILL. NOT TO SCALE

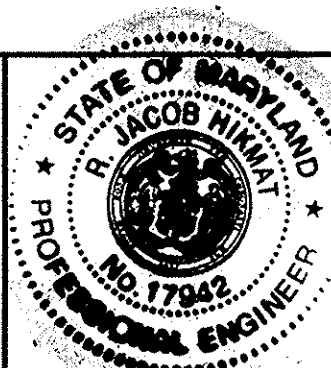
ESD NARRATIVE

- THE SITE DOES NOT CONTAIN ANY STEEP SLOPES. THE SITE CONTAINS 323 SQUARE FEET OF WETLANDS, 2562 SQUARE FEET OF 100-YEAR FLOODPLAIN, WHICH WAS ESTABLISHED UNDER F-08-51 AND 5701 SQUARE FEET OF STREAM BUFFER. NO DEVELOPMENT IS PROPOSED WITHIN ANY OF THESE AREAS. MODIFIED DRY WELLS WILL PROVIDE STORMWATER QUALITY TREATMENT FOR THE NEW DEVELOPMENT.
- THE IMPROVEMENTS AND DEVELOPED AREA WILL MAINTAIN THE EXISTING DRAINAGE PATTERNS AS CLOSELY AS POSSIBLE. NO IMPACT IS PROPOSED THAT WOULD ALTER ANY NATURAL FLOW PATTERNS.
- FOR THIS PROJECT THE USE OF NON-STRUCTURAL ESD PRACTICES WAS EXPLORED. DUE TO THE STEEP TOPOGRAPHY AND ENVIRONMENTAL CONSTRAINTS OF THE SITE, ROOFTOP DISCONNECTIONS AND NON-ROOFTOP DISCONNECTIONS ARE NOT FEASIBLE. FOR A MAJORITY OF THE DRIVEWAY, TREATMENT WILL BE PROVIDED THROUGH THE USE OF PERMEABLE PAVEMENT (A-2). THE PROPOSED DWELLING WILL BE TREATED THROUGH THE USE OF MODIFIED DRY WELLS (M-5).
- THE REQUIRED EROSION AND SEDIMENT CONTROL MEASURES WILL BE IN ACCORDANCE WITH THE LATEST MDC STANDARDS AND SPECIFICATIONS UTILIZING SILT FENCES AND SUPER SILT FENCES. NO CONCENTRATION FLOW IS PROPOSED. NO SEDIMENT TRAPS OR BASINS ARE REQUIRED.
- TABLE 5.2 SUMMARY OF SITE DEVELOPMENT STRATEGIES WERE UTILIZED TO THE EXTENT ALLOWABLE BY THE CURRENT HOWARD COUNTY ZONING AND LAND DEVELOPMENT REGULATIONS BY UTILIZING A PERMEABLE DRIVEWAY AND MINIMIZING EARTH DISTURBANCE.
- IN DESIGNING THIS PROJECT, AND AFTER WE PLANNED THE PROJECT TO MINIMIZE IMPERVIOUS AREAS, WE UTILIZED ESD MEASURES IN THE FOLLOWING ORDER OF PREFERENCE:
A. PERMEABLE PAVEMENT (A-2)
B. MODIFIED DRY WELLS (M-5)

P: 1200414-007 Awilda Acres (DWG) 14-009-Working.DWG

APPROVED: DEPARTMENT OF PLANNING AND ZONING

8-12-14 DATE
J.P. CHIEF, DEVELOPMENT ENGINEERING DIVISION
8/06/14 DATE
e6 CHIEF, DIVISION OF LAND DEVELOPMENT



Project	date	description	revisions
14-007	JUL 2014	engineering	
		TMH	
		TMH	
		scale	1" = 30'
		approval	MAM

AWILDA ACRES - LOT 1
6015 BAUMAN DR. ELKBRIDGE, MD 21075
TAX MAP 37, GRID 12, PARCEL 350
HOWARD COUNTY, MARYLAND
FIRST ELECTION DISTRICT
ENVIRONMENTAL CONCEPT PLAN

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
7350-B Grace Drive, Columbia, Maryland 21044
(410) 997-0296 Fax: (410) 997-0298 Fax