

**SOILS TABLE**

SYMBOL	RATING	NAME	K FACTOR	SOIL MAP #	COMMENTS
GHC	(B)	GLENELG-URBAN LAND COMPLEX, 8-15% SLOPES.	0.37	23	

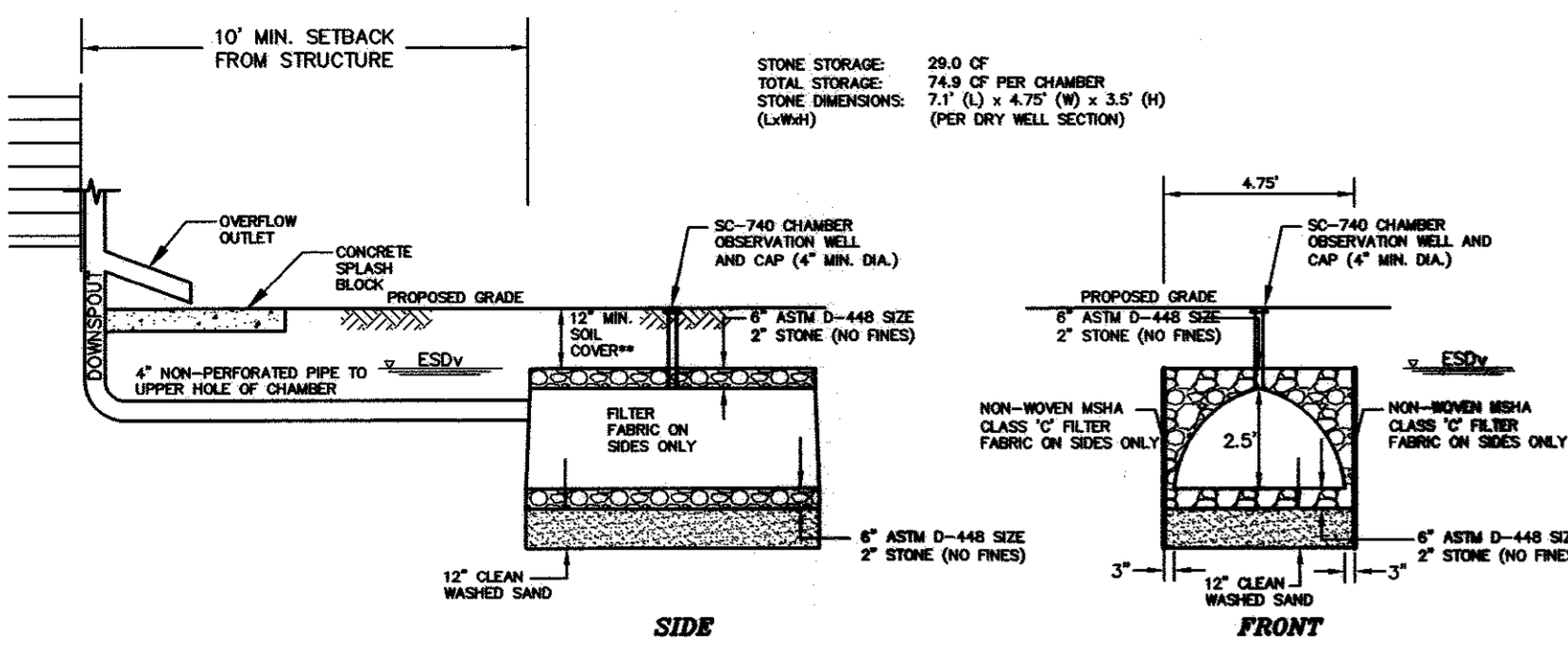
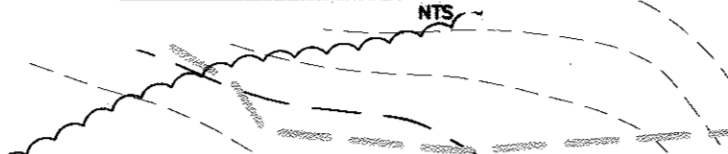
**STORMWATER MANAGEMENT PRACTICES**

ADDRESS	DRY WELL M-5 (NUMBER)
0826 HUNTING LANE (LOT 1)	1 FOR PROPOSED DRIVEWAY
HUNTING LANE (LOT 2)	3

**DRYWELL REPLACEMENT SCHEDULE**

LOT #	SIZE OF STANDARD DRYWELL	NO. OF DRYWELLS	VOLUME IN STANDARD DRYWELLS	VOLUME IN STANDARD SC-740
2	5'X5'X10'	2	200.0 C.F.	299.6 C.F.
DRIVEWAY	5'X5'X10'	2	200.0 C.F.	374.5 C.F.

**DRYWELL TYP. DETAIL**



**MODIFIED DRYWELL (M-5) DETAIL**

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

**FOREST CONSERVATION WORKSHEET**

NET TRACT AREA:

A. Total tract area: 1.00

B. Area within 100 year floodplain: 0.00

C. Area to remain in agricultural production: 0.00

D. Net tract area: 1.00

LAND USE CATEGORY:

(from table 3.2.1, page 40, Manual) Input the number "1" under the appropriate land use zoning, and limit to only one entry.

ARA MDR IDA HDR MPD CIA

0 0 0 0 0 0

E. Afforestation Threshold: 15% x D = 0.15

F. Conservation Threshold: 20% x D = 0.20

EXISTING FOREST COVER:

G. Existing forest cover (excluding floodplain): 0.00

H. Area of forest above afforestation threshold: 0.00

I. Area of forest above conservation threshold: 0.00

BREAK EVEN POINT:

J. Forest retention above threshold with no mitigation: 0.00

K. Clearing permitted without mitigation: 0.00

PROPOSED FOREST CLEARING:

L. Total area of forest to be cleared: 0.00

M. Total area of forest to be retained: 0.00

PLANTING REQUIREMENTS:

N. Reforestation for clearing above conservation threshold: 0.00

P. Reforestation for clearing below conservation threshold: 0.00

Q. Credit for retention above conservation threshold: 0.00

R. Total reforestation required: 0.00

S. Total afforestation required: 0.15

T. Total reforestation and afforestation required: 0.15

**LEGEND**

- MINOR CONTOUR
- MAJOR CONTOUR
- PROPOSED SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- LIMITS OF DISTURBANCE
- SEWER HOUSE CONNECTION
- WATER HOUSE CONNECTION
- 15%-25% SLOPES
- 20%-25% SLOPES
- 25% SLOPES OR GREATER
- PROPOSED DRIVEWAY
- UIC-ACCESS AND UTILITY EASEMENT
- DRY WELL (M-5)
- DRAINAGE AREA TO M-5
- EXIST. TREE LINE
- OVERHEAD ELECTRIC
- PROP. TREE LINE

**SCHEDULE A: PERIMETER LANDSCAPED EDGE**

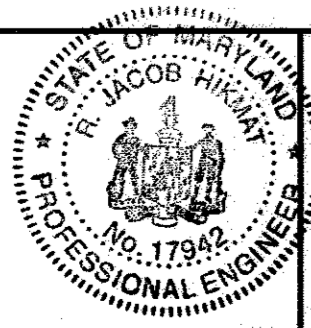
CATEGORY	ADJACENT TO PERIMETER PROPERTIES	TOTAL
LANDSCAPE TYPE	B (PERIMETER 1) B (PERIMETER 2)	
LINEAR FEET OF PERIMETER	282.74 LF 83.30 LF	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	YES, 52 LF OF EX. VEGETATION YES, 83.30 LF OF EX. VEGETATION	
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO NO	
NUMBER OF PLANTS REQUIRED	4 SHADE TREES 2 SHADE TREES 0 SHADE TREES 5 EVERGREEN TREES 2 EVERGREEN TREES 7 EVERGREEN TREES 0 SHRUBS 0 SHRUBS 0 SHRUBS	0 SHADE TREES 7 EVERGREEN TREES 0 SHRUBS
NUMBER OF PLANTS PROVIDED	4 SHADE TREES 0 SHADE TREES 4 SHADE TREES 5 EVERGREEN TREES 0 EVERGREEN TREES 5 EVERGREEN TREES 0 OTHER TREES (2.1 SUBSTITUTION) 0 SUBSTITUTION TREES 0 SUBSTITUTION TREES 0 SHRUBS (1.1 SUBSTITUTION) 0 SHRUBS 0 SHRUBS	4 SHADE TREES 5 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS

**LANDSCAPE REQUIREMENT PLANTING SCHEDULE**

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
4		ACER RUBRUM 'RED SUNSET' OR EQUIVALENT AS OUTLINED IN THE HOWARD COUNTY LANDSCAPE MANUAL.	RED SUNSET RED MAPLE OR EQUIVALENT AS OUTLINED IN THE HOWARD COUNTY LANDSCAPE MANUAL.	2 1/2" - 3" CAL
5		THUJA PLICATA OR EQUIVALENT AS OUTLINED IN THE HOWARD COUNTY LANDSCAPE MANUAL.	GREEN GIANT OR EQUIVALENT AS OUTLINED IN THE HOWARD COUNTY LANDSCAPE MANUAL.	6'-8" HEIGHT
<b>TOTAL</b>				
9 TREES (4 SHADE TREES, 5 EVERGREEN TREES)				

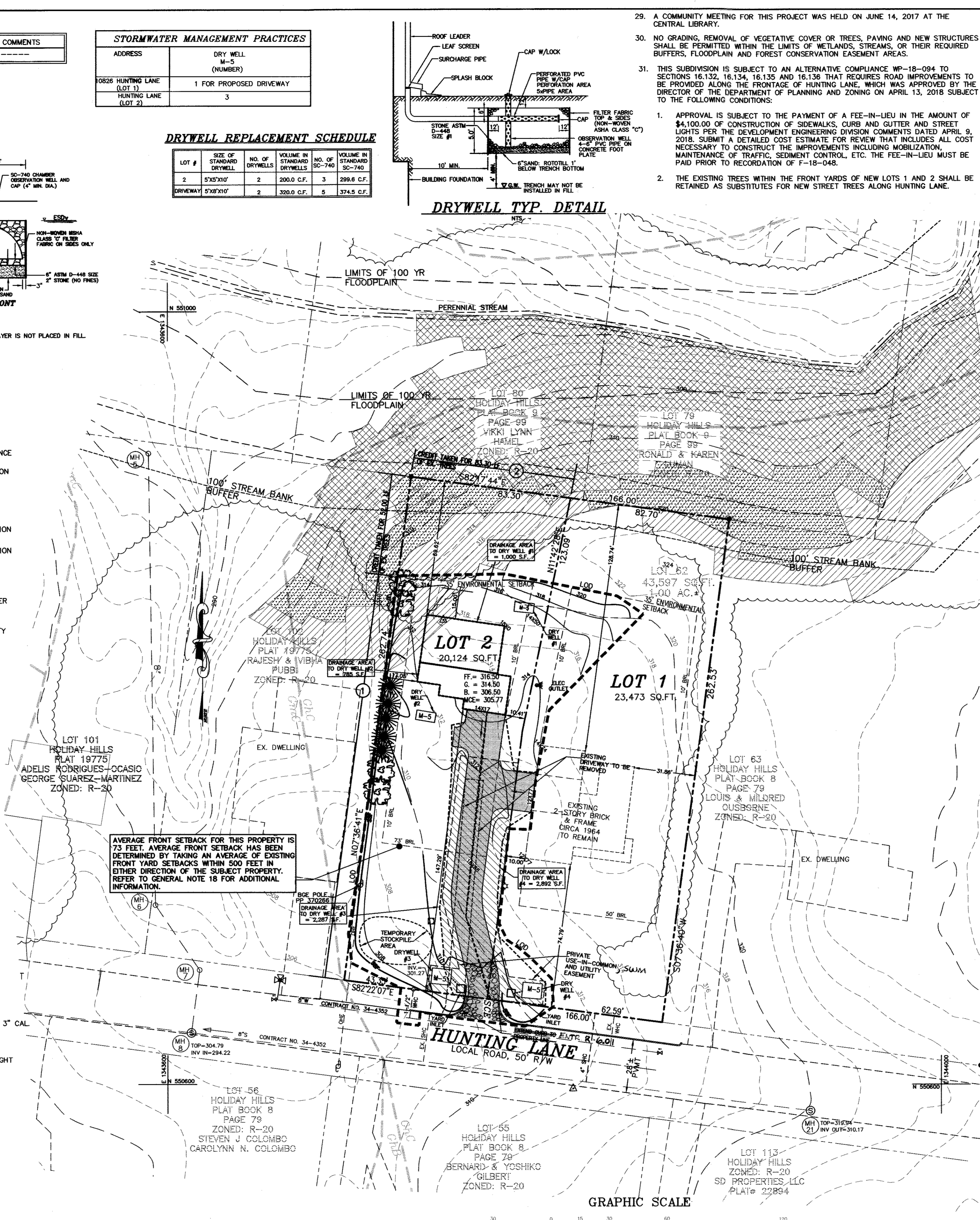
**OWNER/DEVELOPER**

STEPHANIE CHAMBERLAIN  
12235 HEATHCLIFF CT.  
ELLCOTT CITY, MD 21042  
443-288-4602

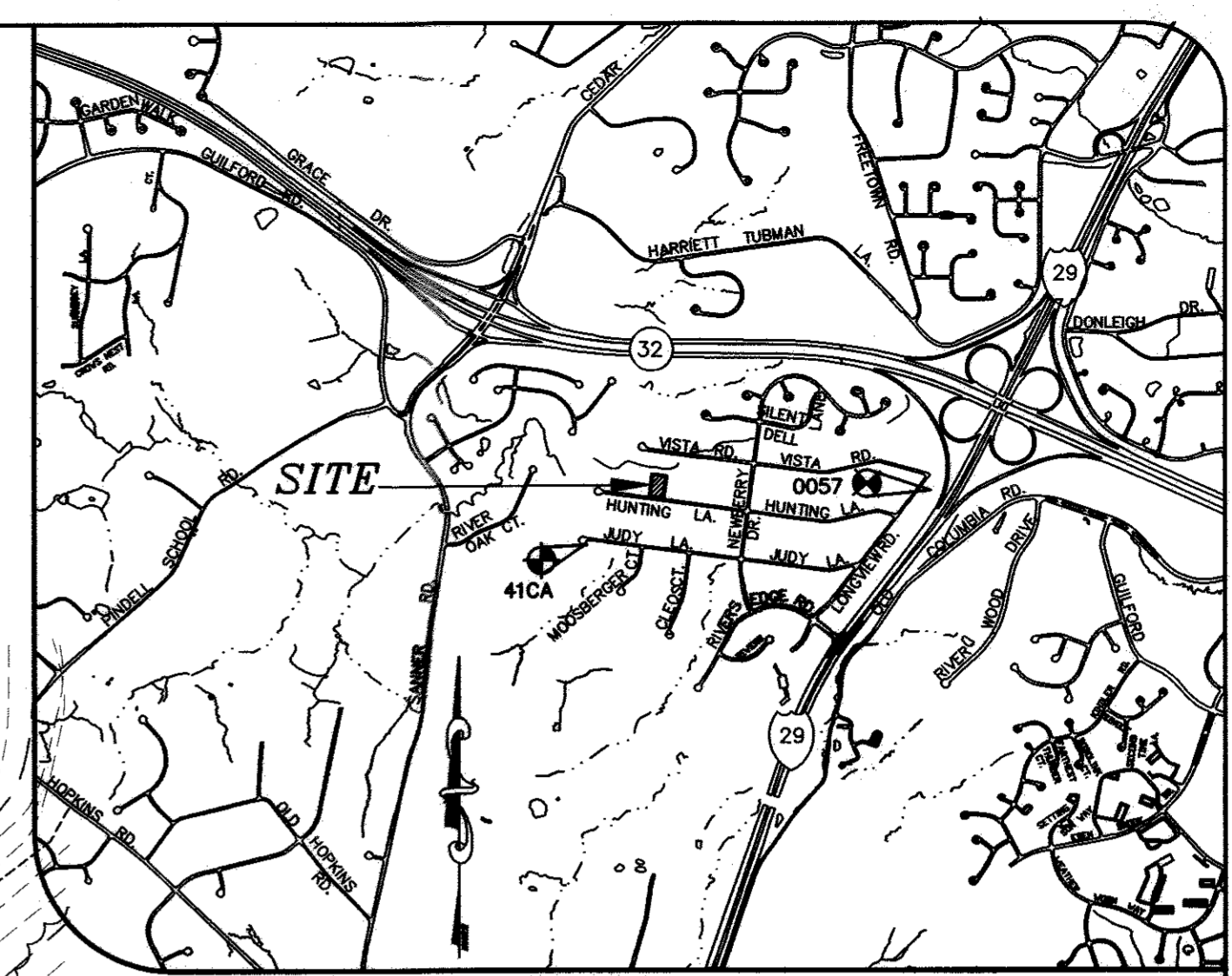
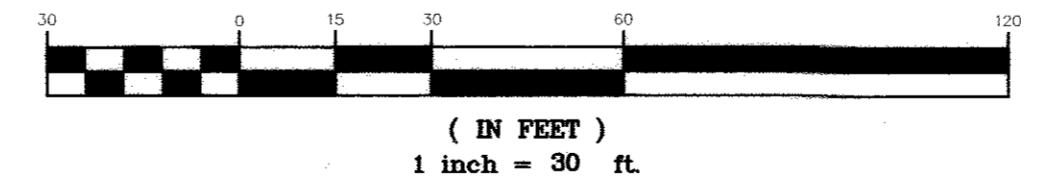


I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17942, EXP. DATE 9/03/18.

JAGOB HIKMAT, P.E. DATE 5/31/18



**GRAPHIC SCALE**



**GENERAL NOTES:**

- SUBJECT PROPERTY ZONED "R-20" PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
- ALL ASPECTS OF THE PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS.
- PROJECT BACKGROUND:  
STREET ADDRESS: 10826 HUNTING LN. COLUMBIA, MD 21044  
LOCATION: TAX MAP: 41 GRID: 5 PARCEL: 273  
ELECTION DISTRICT: FIFTH  
ZONING: R-20  
DPZ FILE NUMBERS: ECP-17-071, PLAT BOOK 8/ FOLIO 79, WP-18-094
- AREA TABULATION:  
A. TOTAL TRACT AREA: 1.00 AC.±  
B. NUMBER OF PROPOSED BUILDABLE LOTS: 2  
C. NUMBER OF OPEN SPACES: 0  
D. AREA OF THE ROAD DEDICATION: 0 AC.±  
E. AREA OF BUILDABLE LOTS: 1.00 AC.±
- ON-SITE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY CONDUCTED BY MILDBERG, BOENDER & ASSOCIATES ON OR ABOUT MAY 2017.
- HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND NAD 83 (HORZ) AND NAD 83 (VERT) AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 0057 & 41CA.  
STA. No. 0057 N 550,835.214 ELEV. 398.924  
E 1,347,017.69  
STA. No. 41CA N 550,124.864 ELEV. 295.364  
E 1,342,960.88
- THE PROPOSED SUBDIVISION WILL CONSIST OF SINGLE FAMILY DETACHED DWELLINGS.
- STEEP SLOPES GREATER THAN 25% AND OVER 20,000 SQ. FT. IN AREA DO NOT EXIST ON SITE.
- 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 (CULVERTS/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.
- FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.120 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT FOR THIS SUBDIVISION HAVE BEEN FULFILLED BY A PAYMENT OF FEE-IN-LIEU FOR 0.15 ACRES (6,534 SQ.FT.) OF AFFORESTATION IN THE AMOUNT OF \$4,900.50 WILL BE POSTED AT THE TIME OF PLAT MYLAR SUBMISSION.
- LANDSCAPING FOR LOT 2 IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. SURETY FOR THE REQUIRED LANDSCAPING WILL BE PROVIDED WITH THE GRADING PERMIT FOR LOT 2 AT SFP STAGE.
- 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 AND OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
- 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 SUBSTITUTION OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL OF 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.
- THERE IS AN EXISTING DWELLING/STRUCTURE(S) LOCATED ON LOT 1 TO REMAIN. NO NEW BUILDINGS, EXTENSIONS OR ADDITIONS TO THE EXISTING DWELLING ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATIONS ALLOW.
- STORMWATER MANAGEMENT REQUIREMENTS WILL BE SATISFIED VIA DRY WELL FACILITIES AND WILL BE PRIVATELY OWNED AND MAINTAINED.
- THE OPEN SPACE REQUIREMENT FOR THIS SUBDIVISION IS MET BY A PAYMENT OF FEE-IN-LIEU IN THE AMOUNT OF \$1,500.00.
- THIS SUBDIVISION IS IN THE METROPOLITAN DISTRICT. WATER AND SEWER ARE PUBLIC (CONTRACT# 34-4352).
- THIS DEVELOPMENT IS DESIGNATED TO BE IN ACCORDANCE WITH SECTION 16.127 RESIDENTIAL INFILL DEVELOPMENT OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATION, INCLUDING THE USE-IN-COMMON DRIVEWAY AND FRONT YARD SETBACK. THE DEVELOPER OF THIS PROJECT SHALL CREATE COMPATIBILITY WITH THE EXISTING NEIGHBORHOOD THROUGH THE USE OF ENHANCED PERIMETER LANDSCAPING, BERMS, FENCES, SIMILAR HOUSE TYPES, AND THE DIRECTIONAL ORIENTATION OF THE PROPOSED HOUSE.
- WETLANDS AND ITS BUFFER DO NOT EXIST ON SITE AS CERTIFIED BY MILDBERG, BOENDER & ASSOC. INC. IN MAY 2017.
- 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.
- ALL LOTS/RESIDENTIAL UNITS IN THIS SUBDIVISION ARE SUBJECT TO THE 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.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MARYLAND STATE HIGHWAY ADMINISTRATION 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 FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.
- NO 100 YEAR FLOODPLAIN EXISTS ON THIS SITE.
- EXISTING UTILITIES ARE BASED ON AS-BUILT PLANS FOR WATER AND SEWER CONTRACTS AND ARE VERIFIED BY FIELD RUN SURVEY CONDUCTED BY MILDBERG, BOENDER & ASSOC., INC.
- A USE-IN-COMMON EASEMENT WILL BE RECORDED SIMULTANEOUSLY WITH THE F-18-048 PLAT.

**MILDBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
7350-B Grace Drive, Columbia, Maryland 21044  
(410) 997-0286 Fax

**CHAMBERLAIN PROPERTY**  
LOTS 1 AND 2, A RESUBDIVISION OF HOLIDAY HILLS, SEC. 5, LOT 62  
TAX MAP 41, PARCEL 273, GRID 5  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SUPPLEMENTAL PLAN

project: 17-003  
date: MAY 2018  
engineering: MMT  
approval: RJH

description: MMT  
scale: 1"=80'  
revisions:

1 OF 1

F-18-048