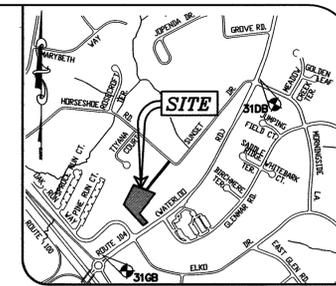


SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR	SOIL MAP #
CeB	(B)	CHILLUM LOAM, 2-5% SLOPES	37	19
CeB	(B)	CHILLUM LOAM, 5-10% SLOPES	37	19

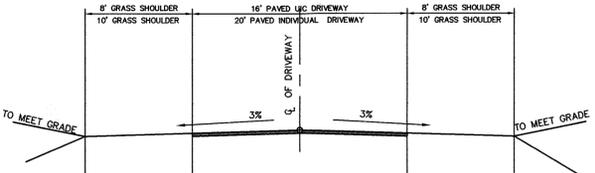
SPECIMEN TREE DATA

KEY	SPECIES	SIZE	CRZ	COMMENTS
1	TULIP POPLAR	31"	46.5'	FAIR CONDITION
2	SILVER MAPLE	42.5"	63.75'	POOR CONDITION

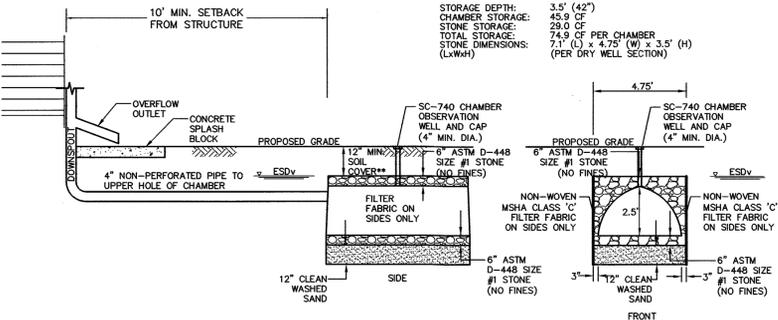


VICINITY MAP
SCALE: 1"=1000'
ADC MAP 16, GRID F-7

USE-IN-COMMON DRIVEWAY CROSS SECTION



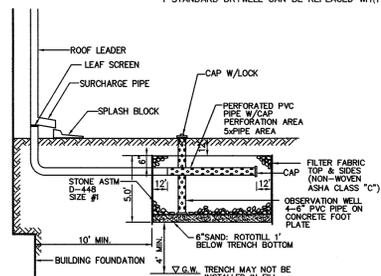
SC-740 STORMTECH CHAMBER (MOD. DRY WELL)



MODIFIED DRYWELL (M-5) DETAIL

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

NOTE: TYPE AND NUMBER OF DRYWELLS TO BE DETERMINED AT SITE DEVELOPMENT PLAN. 1 STANDARD DRYWELL CAN BE REPLACED WITH 2 MOD. DRYWELLS (SC-740 STORMTECH CHAMBERS)

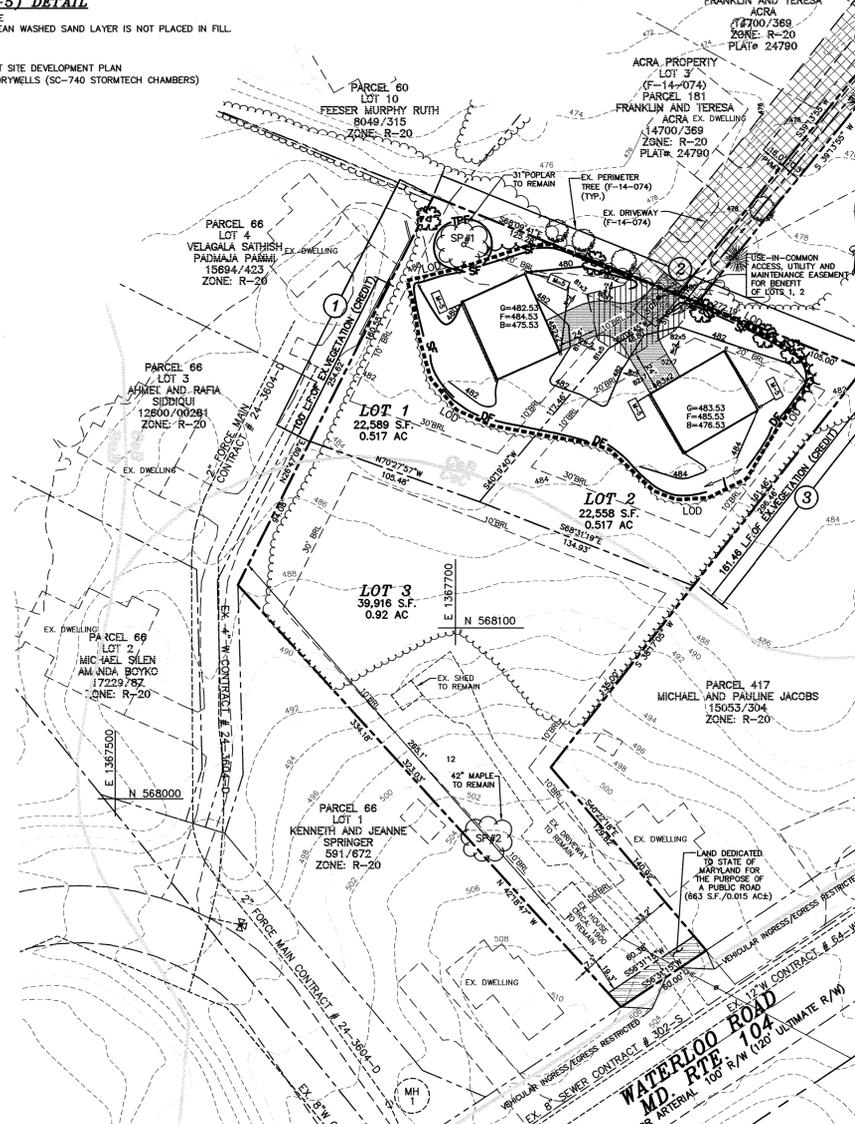


DRYWELL TYP. DETAIL

DRYWELL SIZE: LOT 2: 12x10.2'
LOT 3: 12x12.1'

LEGEND

- M-5 DRY WELL
- DIVERSION FENCE
- SILT FENCE
- SCE STABILIZED CONSTRUCTION ENTRANCE
- EX. OVERHEAD POWER LINE
- LIMIT OF DISTURBANCE
- SPECIMEN TREE
- EX. PERIMETER TREE (F-14-074)
- PERIMETER TREE
- EX. USE-IN-COMMON ACCESS EASEMENT
- PROPOSED USE-IN-COMMON ACCESS EASEMENT
- LAND DEDICATED TO STATE OF MARYLAND
- EX. TREE LINE
- PROPOSED TREE LINE
- PROPOSED DRIVEWAY
- STABILIZED CONSTRUCTION ENTRANCE



NET TRACT AREA:

A. Total tract area.....	=1.85
B. Area within 100 year floodplain.....	=0.00
C. Area to remain in agricultural production.....	=0.00
D. Net tract area.....	=1.85

LAND USE CATEGORY:

ARA	MDR	IDA	HDR	MDD	CIA
0	1	0	0	0	0

BREAK EVEN POINT:

E. Afforestation Threshold.....	15% x D = 0.28
F. Conservation Threshold.....	20% x D = 0.37

EXISTING FOREST COVER:

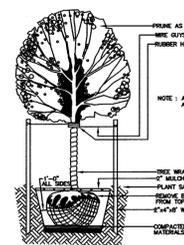
G. Existing forest cover (excluding floodplain).....	=1.40
H. Area of forest above afforestation threshold.....	=1.12
I. Area of forest above conservation threshold.....	=1.03

PROPOSED FOREST CLEARING:

J. Forest retention above threshold with no mitigation.....	=0.58
K. Clearing permitted without mitigation.....	=0.92

PLANTING REQUIREMENTS:

N. Reforestation for clearing above conservation threshold.....	=0.28
P. Reforestation for clearing below conservation threshold.....	=0.74
Q. Credit for retention above conservation threshold.....	=0.00
R. Total reforestation required.....	=1.00
S. Total afforestation required.....	=0.00
T. Total reforestation and afforestation required.....	=1.00



TYPICAL DECIDUOUS TREE PLANTING DETAIL

LANDSCAPE REQUIREMENT PLANTING SCHEDULE

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
5		PRUNUS SARGENTII	SARGENT CHERRY	2 1/2" - 3" CAL.
OR EQUIVALENT AS OUTLINED IN THE HOWARD COUNTY LANDSCAPE MANUAL				
TOTAL				5 SHADE TREES

SCHEDULE A: PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO PERIMETER PROPERTIES			TOTAL
	A (PERIMETER 1)	A (PERIMETER 2)	A (PERIMETER 3)	
LANDSCAPE TYPE	160.54' LF	272.19 LF	161.46 LF	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	100 LF TREES TO REMAIN	YES, 1 EX. POPLAR TREE TO REMAIN	161.46 LF TREES TO REMAIN	
NUMBER OF PLANTS REQUIRED				
SHADE TREES	1 SHADE TREES	5 SHADE TREES	0 SHADE TREES	6 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES
SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS
NUMBER OF PLANTS PROVIDED				
SHADE TREES	1 SHADE TREES	4 SHADE TREES	0 SHADE TREES	5 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES
SUBSTITUTION TREES	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES
SHRUBS (10:1 SUBSTITUTION)	0 SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS

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. 179947 EXP DATE 09/03/20

R. JACOB HIKMAT P.E. DATE: 7/11/19

MHU TRACKING CHART

TOTAL NUMBER OF LOTS/UNITS	3
NUMBER OF MHU REQUIRED	1
NUMBER OF MHU PROVIDED ON-SITE (EXEMPT FROM APFO ALLOCATIONS)	0
NUMBER OF APFO ALLOCATION REQUIRED (REMAINING LOTS/UNITS)	0
MHU FEE-IN-LIEU (INDICATED LOT/UNIT NUMBERS)	1 & 2

OWNER
WALTER AND GLADYS NOVAK
C/O MILDBERG, BOENDER & ASSOC.
7350-B GRACE DRIVE
COLUMBIA, MARYLAND 21044
410-997-0296

APPROVED: DEPARTMENT OF PLANNING AND ZONING
DATE: 7/22/19
DATE: 7/23/19



date	JULY 2019	approval	RJH
project	14-004	illustration	MMM
scale	1"=50'	description	
revisions			

GLADYS WOODS
LOTS 1, 2 AND 3, SINGLE FAMILY DETACHED DWELLINGS
TAX MAP 31, PARCEL 39 AND NON-BUILDABLE BULK PARCEL A OF ACRA PROPERTY
2ND ELECTION DISTRICT, HOWARD COUNTY, MD
SUPPLEMENTAL, LANDSCAPE AND FOREST CONSERVATION PLAN

MILDBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
7350-B Grace Drive, Maryland, Columbia 21044
(410) 997-0296 tel. (410) 997-0288 Fax.