

(M-6) MICRO-BIORETENTION DESIGN TABLES

BUILDINGS	ESD a	BLDG. 'c'	ESD c	ISLAND	ESD e
ELEV. 1	457.68	ELEV. 1	456.52	ELEV. 1	452.12
ELEV. 2	457.43	ELEV. 2	456.27	ELEV. 2	451.87
ELEV. 3	456.85	ELEV. 3	455.69	ELEV. 3	451.29
ELEV. 4	456.68	ELEV. 4	455.52	ELEV. 4	451.12
ELEV. 5	454.68	ELEV. 5	453.52	ELEV. 5	447.12
ELEV. 6	454.10	ELEV. 6	452.94	ELEV. 6	446.54
ELEV. 7	453.85	ELEV. 7	452.69	ELEV. 7	446.29
DIMENSIONS		DIMENSIONS		DIMENSIONS	
'A'	34'	'A'	64'	'A'	31'
'B'	25'	'B'	36'	'B'	9'
TOTAL SF	792	TOTAL SF	1,165	TOTAL SF	413

ISLAND	ESD f	ISLAND	ESD g	ISLAND	ESD h
ELEV. 1	449.80	ELEV. 1	455.20	ELEV. 1	453.20
ELEV. 2	449.55	ELEV. 2	454.95	ELEV. 2	452.95
ELEV. 3	448.97	ELEV. 3	454.37	ELEV. 3	452.37
ELEV. 4	448.80	ELEV. 4	454.20	ELEV. 4	452.20
ELEV. 5	445.80	ELEV. 5	452.20	ELEV. 5	450.20
ELEV. 6	445.22	ELEV. 6	451.62	ELEV. 6	449.62
ELEV. 7	444.97	ELEV. 7	451.37	ELEV. 7	449.37
DIMENSIONS		DIMENSIONS		DIMENSIONS	
'A'	26'	'A'	17'	'A'	27'
'B'	12'	'B'	12'	'B'	10'
TOTAL SF	424	TOTAL SF	196	TOTAL SF	387

ISLAND	ESD i	ISLAND	ESD k	ISLAND	ESD l
ELEV. 1	451.12	ELEV. 1	460.80	ELEV. 1	453.23
ELEV. 2	450.87	ELEV. 2	460.55	ELEV. 2	452.88
ELEV. 3	450.29	ELEV. 3	449.97	ELEV. 3	452.40
ELEV. 4	450.12	ELEV. 4	449.80	ELEV. 4	452.23
ELEV. 5	448.12	ELEV. 5	447.30	ELEV. 5	450.06
ELEV. 6	447.54	ELEV. 6	446.72	ELEV. 6	449.48
ELEV. 7	447.29	ELEV. 7	446.47	ELEV. 7	449.23
DIMENSIONS		DIMENSIONS		DIMENSIONS	
'A'	39'	'A'	35'	'A'	27'
'B'	26'	'B'	24'	'B'	10'
TOTAL SF	709	TOTAL SF	598	TOTAL SF	384

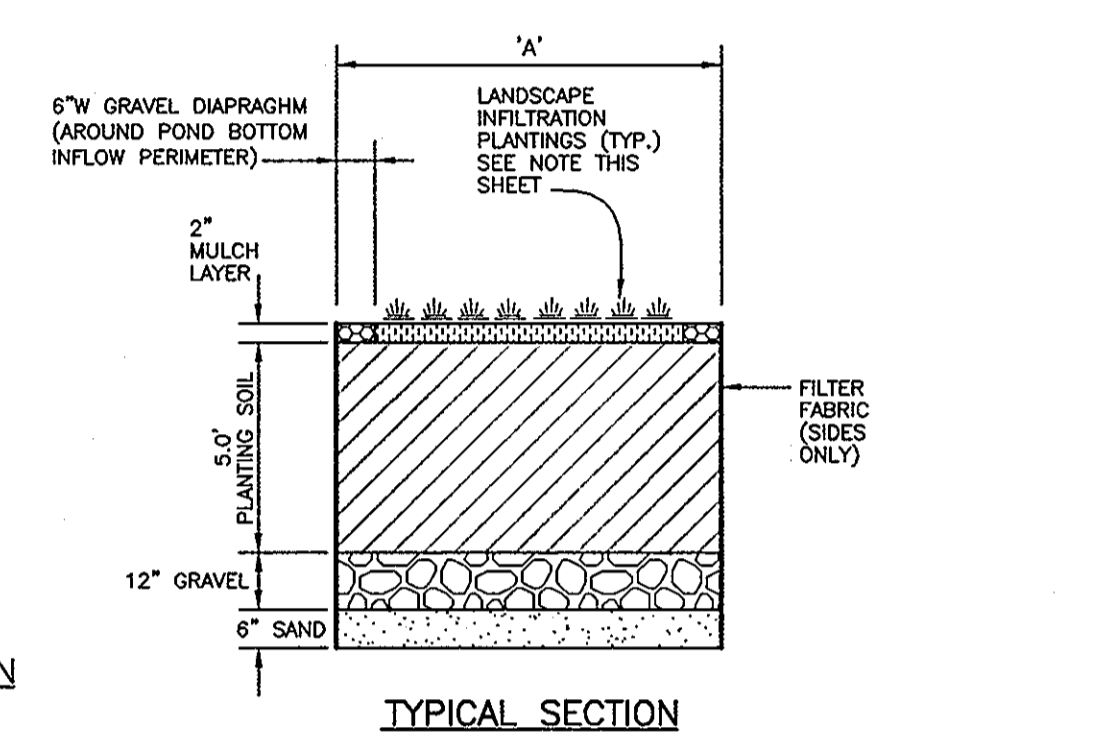
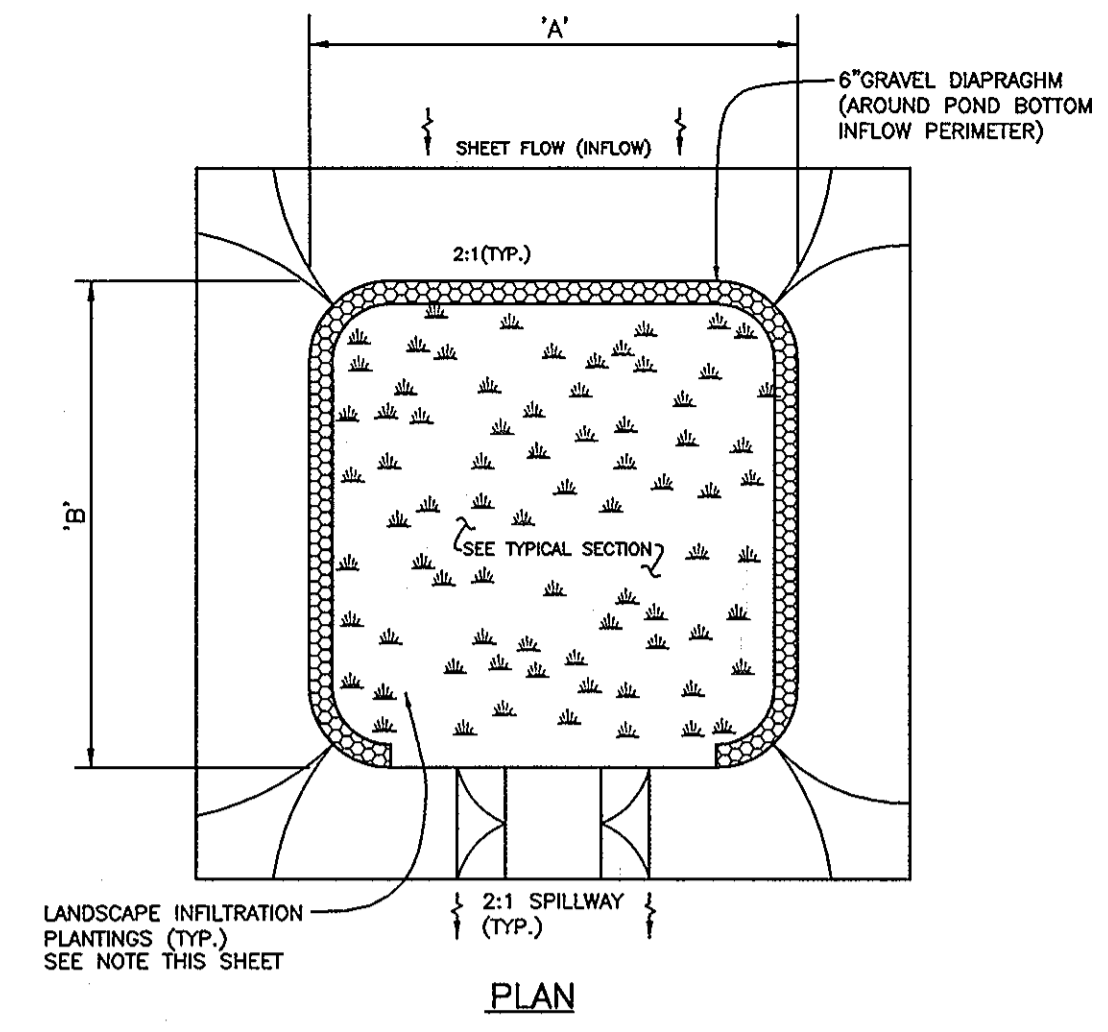
ISLAND	ESD n
ELEV. 1	442.00
ELEV. 2	441.50
ELEV. 3	441.17
ELEV. 4	441.00
ELEV. 5	439.00
ELEV. 6	438.42
ELEV. 7	438.17
DIMENSIONS	
'A'	65'
'B'	15'
TOTAL SF	1,250

OPERATION & MAINTENANCE SCHEDULE FOR (M-6) MICRO-BIORETENTION & (M-3) LANDSCAPE INFILTRATION

- 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 REPLACEMENT OF MULCH SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE & INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL & PRUNING.
- SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN THE SPRING AND FALL. THIS INSPECTION WILL INCLUDE: REMOVAL OF DEAD & DISEASED VEGETATION CONSIDERED BEYOND TREATMENT; TREATMENT OF ALL DISEASED TREES & SHRUBS; AND REPLACEMENT OF ALL DEFICIENT STAKES & WIRES.
- MULCH SHALL BE INSPECTED EACH SPRING. REMOVE THE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER ONCE EVERY 2 TO 3 YEARS.
- SOIL EROSION TO BE ADDRESSED ON AN AS-NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.

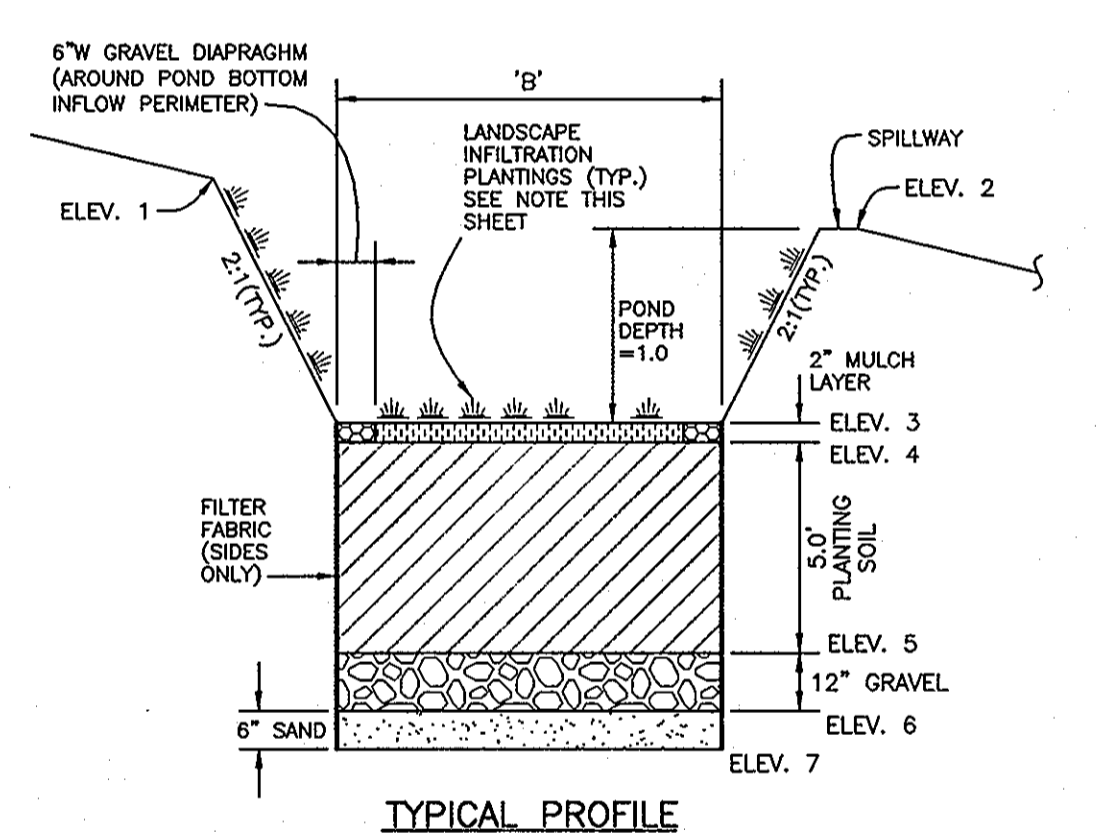
TABLE B.4.1 MATERIALS AND SPECIFICATIONS FOR (M-6) MICRO-BIORETENTION & (M-3) LANDSCAPE INFILTRATION

MATERIAL	SPECIFICATION	SIZE	NOTES:
PLANTINGS (IF REQUIRED)	SEE APPENDIX A, TABLE A.4	N/A	PLANTINGS ARE SITE SPECIFIC
PLANTING SOIL (2.0' TO 4.0' DEEP)	LOAMY SAND (60-85%) & COMPOST (35-40%) OR LOAMY SAND (30%) COARSE SAND (30%) & COMPOST (35-40%)	N/A	USDA SOIL TYPES: LOAMY SAND, SANDY LOAM; CLAY CONTENT <5%
ORGANIC CONTENT	MIN. 10% BY DRY WEIGHT (ASTM D2974)	N/A	-
MULCH	SHREDDED HARDWOOD	N/A	AGED 6 MONTHS, MINIMUM
PEA GRAVEL DIAPHRAGM	PEA GRAVEL, ASTM D-448	#8 OR #9 (1/8" TO 3/8")	-
CURTAIN DRAIN	ORNAMENTAL STONE, WASHED COBBLES	STONE, 2" TO 5"	-
GEOTEXTILE	N/A	N/A	PE TYPE 1 - NONWOVEN
GRAVEL (UNDERDRAINS & BERMS)	AASHTO M-43	#57 OR #66 APPROXIMATE (3/8" TO 3/4")	#8 STONE
UNDERDRAIN PIPING	F758, TYPE PS28 OR F758, TYPE M-278	4" TO 6" RIGID SCH40 PVC OR SDR35	SLOTTED OR PERFORATED: 3/8" PERFS. @ 6" O/C. 4 HOLES PER ROW. MINIMUM OF 3" OF GRAVEL OVER PIPES. NOT NECESSARY UNDERNEATH PIPES. PERFORATED PIPE SHALL BE WRAPPED WITH 1/4" GALVANIZED HARDWARE CLOTH
POURED-IN-PLACE CONC. (IF REQUIRED)	MSHA MIX NO.3; f'c=3500psi @ 28 DAYS, NORMAL WEIGHT, AIR ENTRAINED, REINFORCING TO MEET ASTM 615-60	N/A	ON-SITE TESTING OF POURED-IN-PLACE CONC. REQUIRED; 28 DAY STRENGTH TEST AND SLUMP TEST; ALL CONC. 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 350.8/89; VERTICAL LOADING (H-10 or H-20) ALLOWABLE HORIZONTAL LOADING (BASED ON SOIL PRESSURES); SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE (AASHTO #10 ARE NOT ACCEPTABLE, NO CALCIUM CARBONATED OR DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND
SAND (1.0' DEEP)	AASHTO M-6 OR ASTM C-33	0.02" TO 0.04"	-

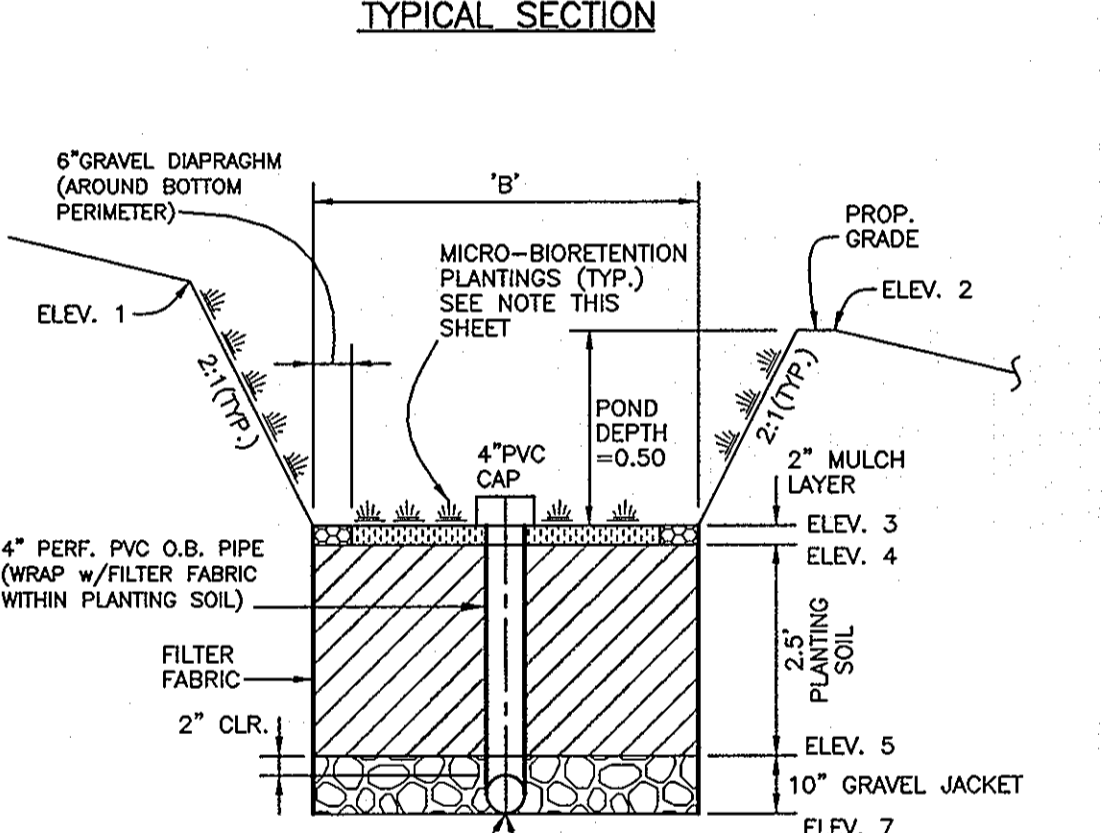
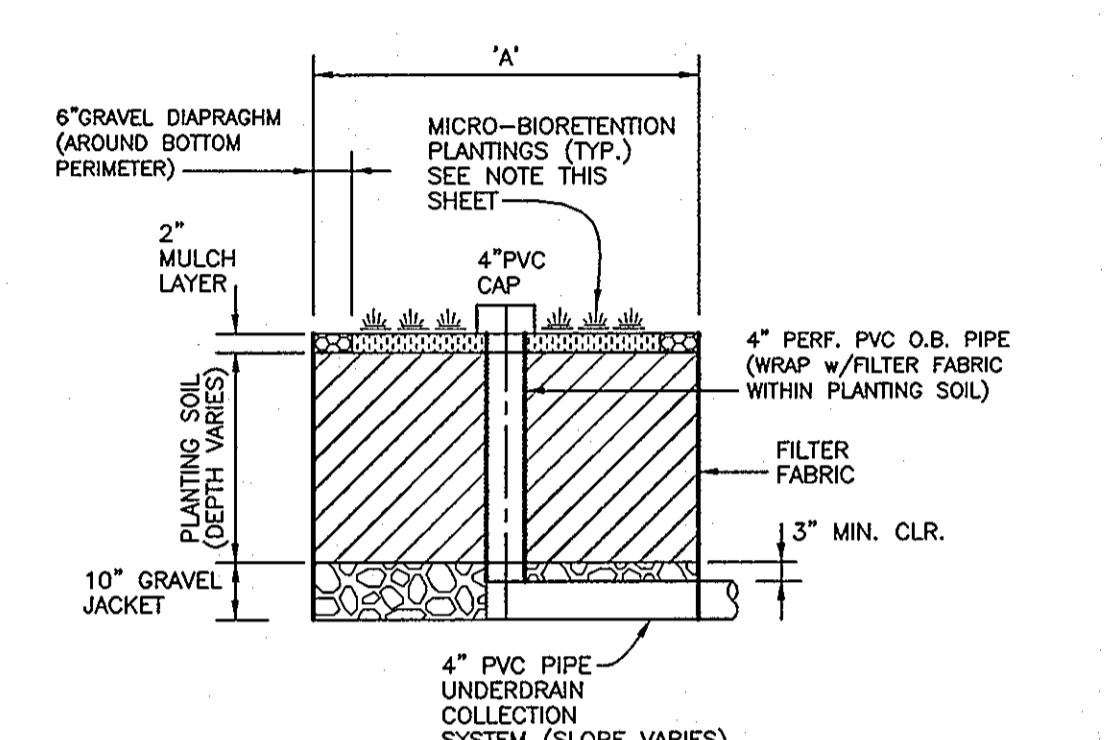
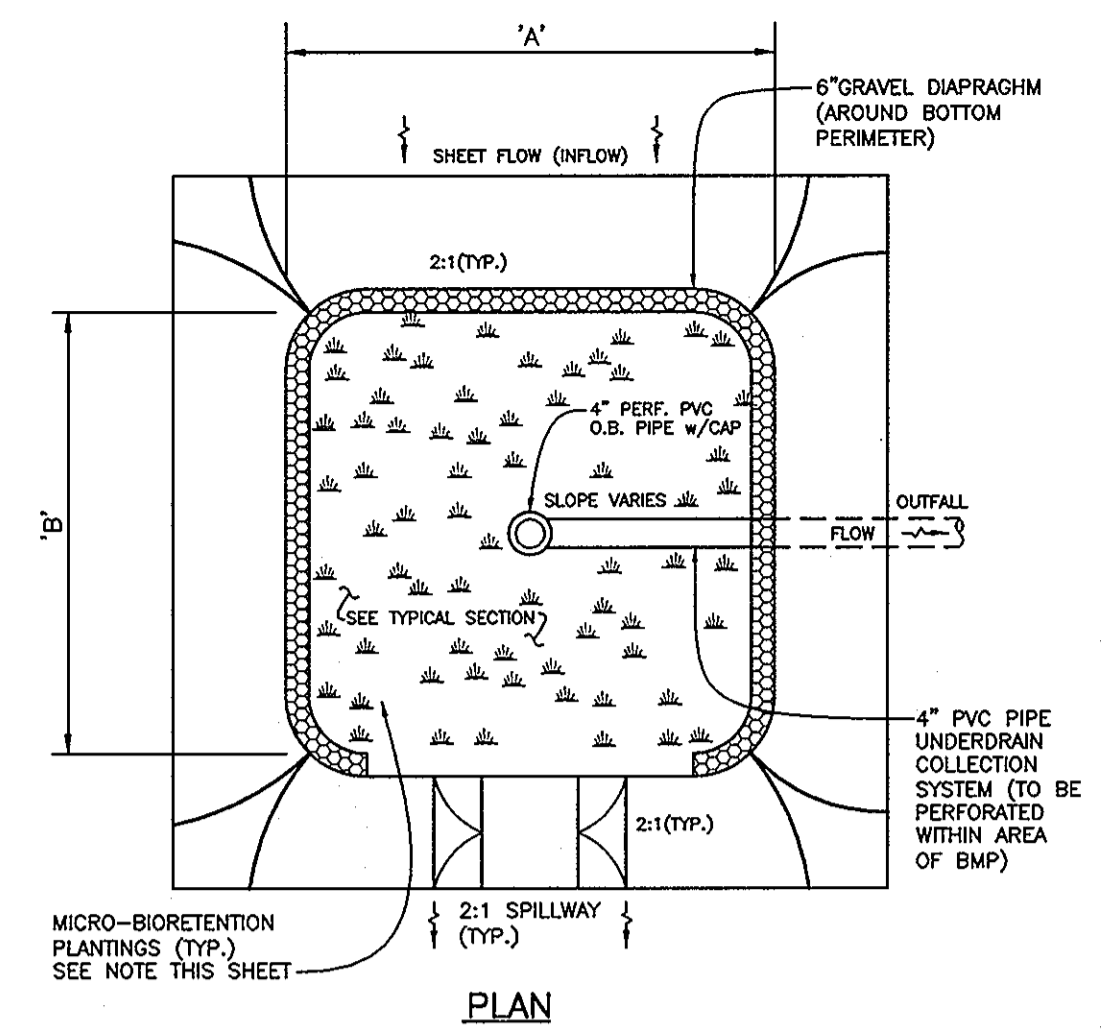


(M-3) LANDSCAPE INFILTRATION DESIGN TABLES

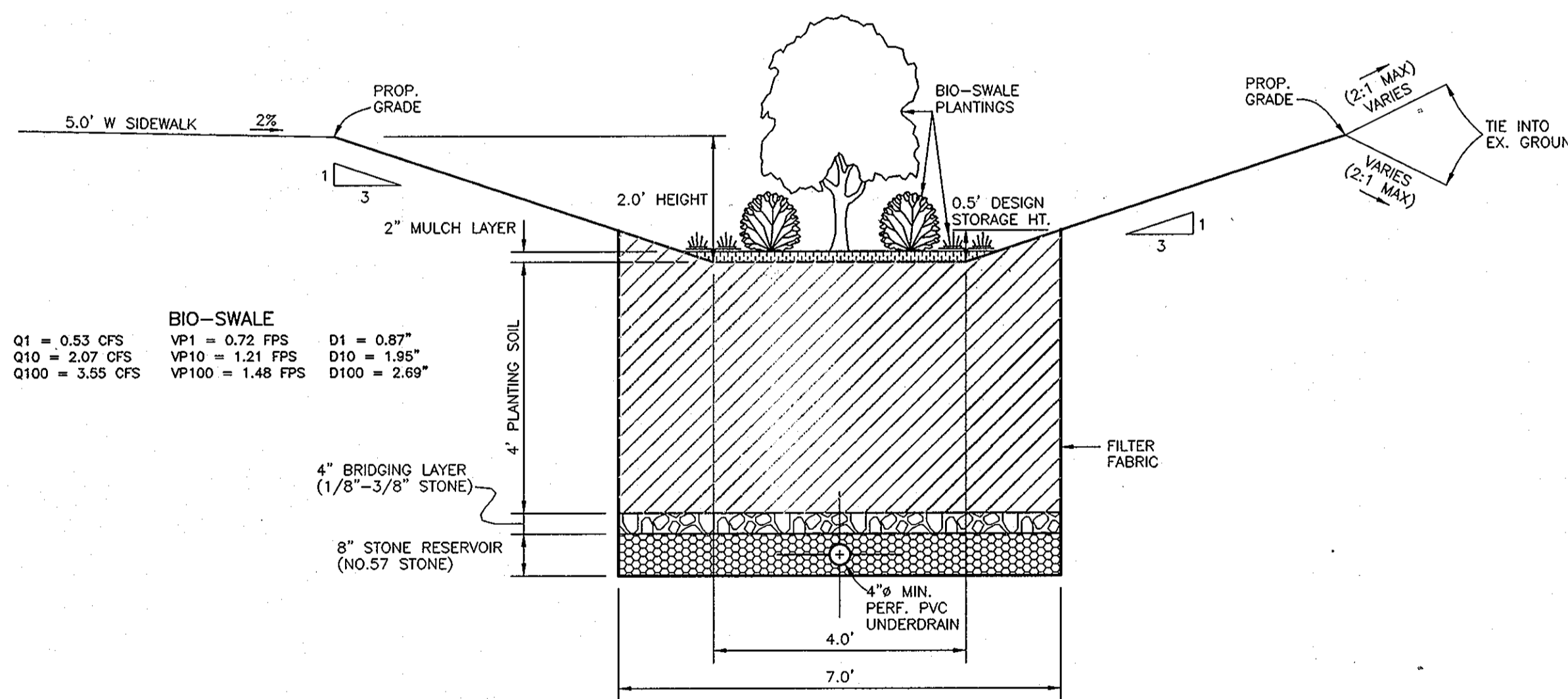
LOT 1	ESD 1A
ELEV. 1	449.00
ELEV. 2	448.50
ELEV. 3	447.67
ELEV. 4	447.50
ELEV. 5	444.50
ELEV. 6	443.50
ELEV. 7	443.00
DIMENSIONS	
'A'	16.0'
'B'	10.8'
TOTAL SF	173



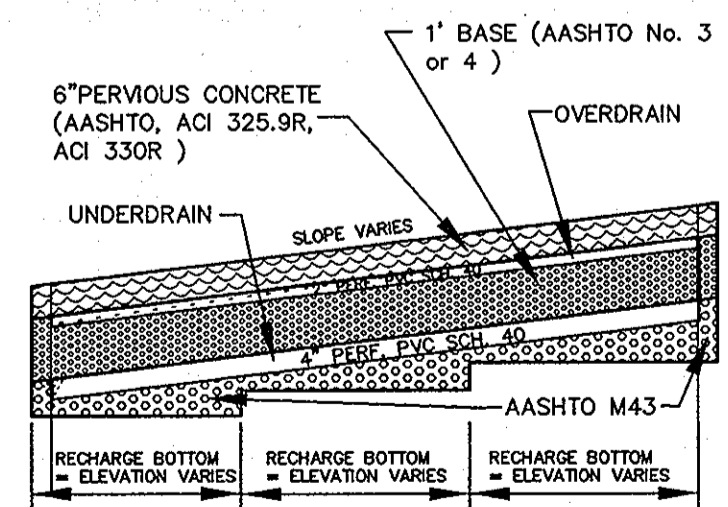
TYPICAL (M-3) LANDSCAPE INFILTRATION DETAILS



TYPICAL (M-6) MICRO-BIORETENTION DETAILS



(M-8) BIO-SWALE DETAIL SCALE: 1"=2'



TYPICAL (A-2) PERMEABLE PAVING DETAILS NOT TO SCALE

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED PERMEABLE PAVEMENT (A-2)

- Pavement surfaces should be swept and vacuumed (if porous concrete) to reduce sediment accumulation and ensure continued surface porosity. Sweeping should be performed at least twice annually with a commercial cleaning unit. Washing or compressed air units should not be used to perform surface cleaning.
- Drainage pipes, inlets, stone edge drains and other structures within or draining to the subbase should be cleaned out at regular intervals.
- Deicers should be used in moderation. Deicers should be non-toxic and be applied either as calcium magnesium acetate or as pretreated salt. Snow plowing should be done carefully with blades set one-inch above the surface. Plowed snow piles and snowcut should not be directed to permeable pavement.

CONSTRUCTION AND INSPECTION SPECIFICATIONS FOR ALTERNATIVE SURFACES (A-2 PERMEABLE PAVING)

- Erosion and Sediment Control:** Final grading for installation shall not take place until the surrounding site is stabilized. If this cannot be accomplished, runoff from disturbed areas shall be diverted around proposed pavement locations.
- Soil Compaction:** Sub soils shall not be compacted. Construction should be performed with lightweight, wide tracked equipment to minimize compaction. Excavated materials should be placed in a contained area.
- Distribution Systems:** Overdrain, underdrain, and distribution pipes shall be checked to ensure that both the material and perforations meet specifications (see Appendix B.4). The upstream ends of pipes should be capped prior to installation. All underdrain or distribution pipes used should be installed flat along the bottom.
- Subbase Installation:** Subbase aggregate shall be clean, washed, and free of fines. The subbase shall be placed in lifts and lightly rolled according to the specifications (see Appendix B.4).
- Inspection:** Regular inspections shall be made during the following stages of construction:
 - During excavation to subgrade.
 - During placement and backfill of any drainage or distribution system(s).
 - During placement of the subbase material.
 - During placement of the surface material.
 - Upon completion of final grading and establishment of permanent stabilization.

NOTE: ALL STORM DRAINS SHOWN ON THESE PLANS ARE TO BE PRIVATELY OWNED AND MAINTAINED

NOTE: ALL STORMWATER MANAGEMENT BMP'S SHOWN ON THESE PLANS ARE TO BE PRIVATELY OWNED AND MAINTAINED

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division 5/25/11 DATE

Chief, Division of Land Development 5/23/11 DATE

NO.	DATE	REVISION

BENCHMARK ENGINEERING, INC.

ENGINEERS • LAND SURVEYORS • PLANNERS

8480 BALTIMORE NATIONAL PIKE SUITE 418 • ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644

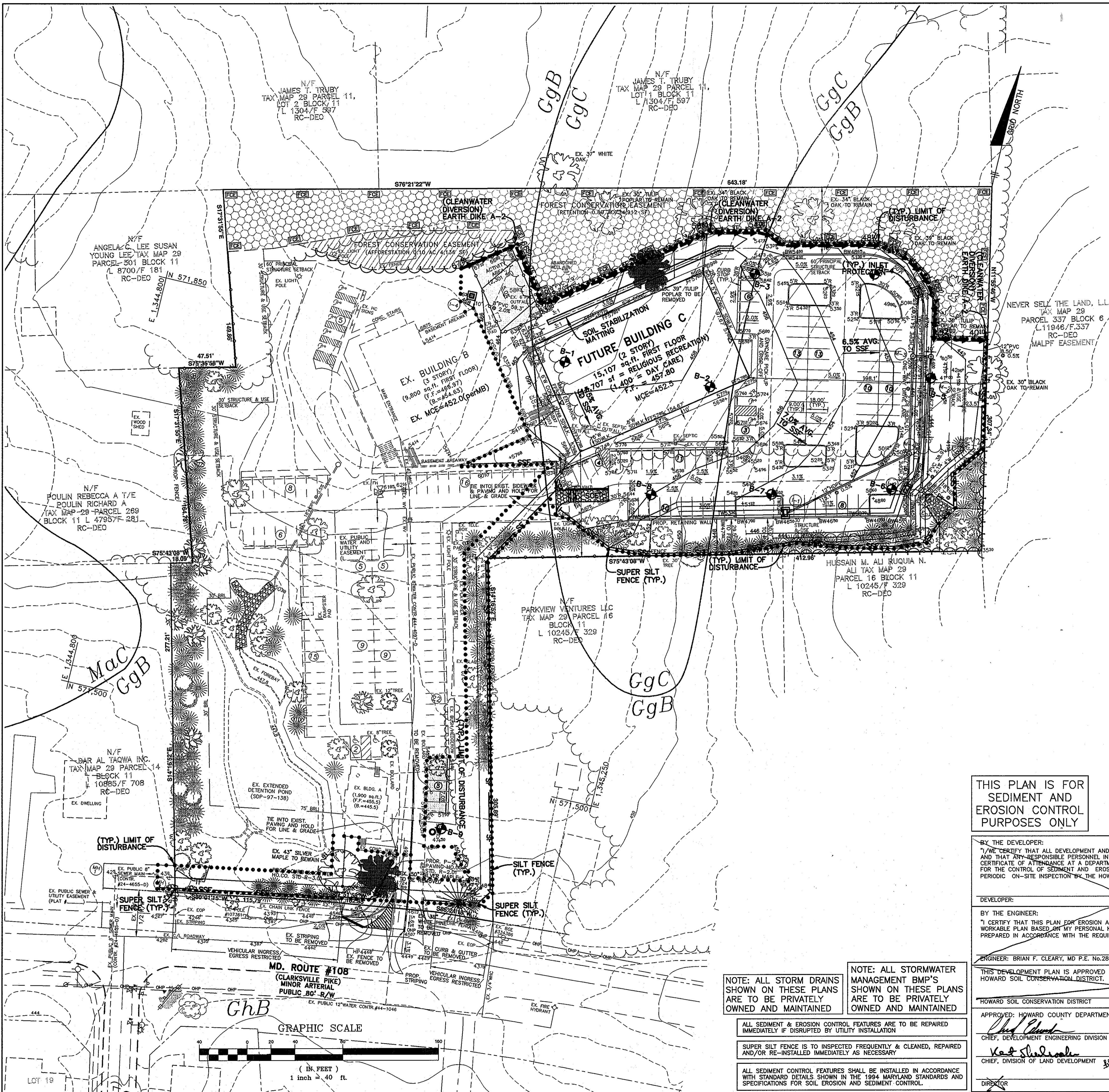
60 THOMAS JOHNSON DRIVE • FREDERICK, MARYLAND 21702
(P) 301-371-3505 (F) 301-371-3506

WWW.BE-CIVILENGINEERING.COM

PROFESSIONAL CERTIFICATION:

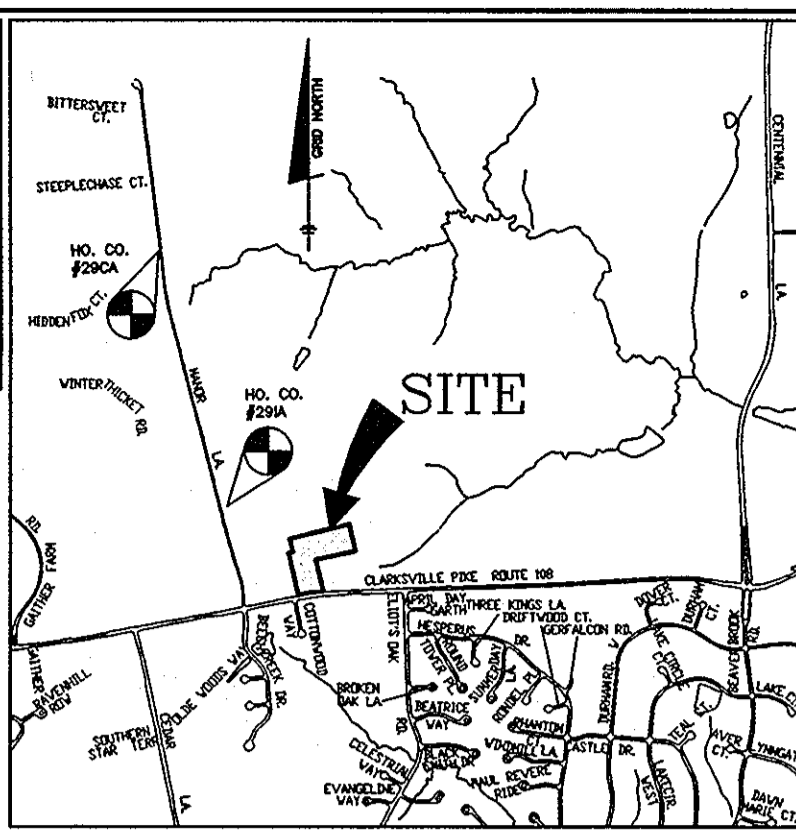
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 28559; Expiration Date: 7-22-2011

OWNER/BUILDER:	DAR-AL-TAQWA
PROJECT:	PHASE 3 (BUILDING C) RELIGIOUS RECREATION/DAY-CARE BUILDING
LOCATION:	TAX MAP 29 - GRID 11 PARCEL 12 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE:	ENVIRONMENTAL CONCEPT PLAN STORMWATER MANAGEMENT NOTES AND DETAILS
DATE:	NOVEMBER 2010 PROJECT NO. 2132
SCALE:	AS SHOWN DRAWING 2 OF 4



BENCH MARKS NAD '83

HO. CO. 29CA	ELEV. 422.892
STAMPED DISC ON CONCRETE MONUMENT, MAJOR LANE 0.8 MILES NORTH OF RT. 108.	N 574526.116 E 1,343533.76
HO. CO. 29IC	ELEV. 468.127
STAMPED DISC ON CONCRETE MONUMENT, MAJOR LANE 0.3 MILES NORTH OF RT. 108.	N 572323.543 E 1,344112.28



Sequence of Construction

The sequencing should follow this general outline and shall be in conformance with the latest approved version of the MDE Standards and Specifications for Sediment Control. The contractor shall notify the Sediment Control Division at least 48 hours prior to starting construction activities.

1. Obtain grading permit.
2. Clear and grub site for installation of perimeter sediment control devices established under the approved SDP.
3. Stabilize all disturbed areas in accordance with the temporary seeded notes.
4. The improvements within the R/W of MD Route 108 will be constructed at any point of the construction process provided the sediment and erosion controls for this area are limited to localized super silt fence as shown on the approved SDP and approved by the inspector.
5. Begin installation of proposed Sewer line at existing manhole. This process to include daily control measures i.e trench backfill, installation/removal of silt fence, stabilization, etc. Upon completion, remove and/or abandon existing septic system.
6. Upon approval by the sediment control inspector, begin mass grading remainder of site.
7. Install the storm drains and other utilities as applicable.
8. Construct retaining wall and remaining utilities as applicable.
9. Install curbing.
10. Install base course paving for parking lot.
11. Once the construction of all the curb and gutter, storm drain and base paving of the parking lot is completed the parking lot micro-retention areas will be blocked from receiving run-off by use of silt fence diversion (SFD). In addition, SFD shall be placed along the uphill edge of the pervious concrete to divert a majority of the run off to the inlet. All inlets will also have inlet protection installed.
12. The areas between the parking and the building and the adjoin properties shall be fully stabilized and the associated micro-biorention facilities installation completed.
13. Construct proposed building.
14. Final grade remainder of site and stabilize in accordance with permanent seeding notes
15. Install final paving and complete ESD construction
16. Install required landscaping
17. Upon approval by Howard County sediment control inspector, remove remaining sediment control devices and permanently stabilize any remaining disturbed areas.

Please note that the super silt fence below the proposed retaining wall should be checked daily to ensure compliance. The areas of proposed pervious concrete shall have limited access from heavy construction equipment to avoid unnecessary compaction where this practice is being proposed.

LEGEND

SOILS CLASSIFICATION	AbC1
SOILS DELINEATION	999
EXISTING CONTOURS	999
PROPOSED CONTOURS	999
EXISTING WOODS LINE	---
PROPOSED WOODS LINE	---
EXISTING STRUCTURE	□
PROPOSED STRUCTURE	□
LIMIT OF DISTURBANCE
STABILIZED CONSTRUCTION ENTRANCE	▨
SUPER SILT FENCE	SSF
SILT FENCE	SF
EARTH DIKE	→→→
INLET PROTECTION	□
DRAINAGE AREA	---
DRAINAGE DIVIDE	---
TO STUDY PATH	Ⓐ Ⓑ
PRIVATE DRAINAGE & UTILITY EASEMENTS	▨
FOREST CONSERVATION EASEMENT AREA	▨
TREE PROTECTION FENCE	TF
FCE PERMANENT SIGNAGE	FCE
EXISTING SEPTIC FIELD	▨

SOILS LEGEND

MAP SYMBOL	SOIL TYPE	MAPPING UNIT
GgB	B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GgC	B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES

TAKEN FROM USDA-NRCS WEBSITE HOWARD COUNTY MD SOILS MAP #17

THIS PLAN IS FOR SEDIMENT AND EROSION CONTROL PURPOSES ONLY

NOTE: CONTRACTORS TO EXERCISE EXTREME CAUTION WHEN WORKING IN AREA OF EXIST. OVERHEAD LINES AND UTILITIES

BY THE DEVELOPER:
I/WE 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.

DEVELOPER: _____ DATE: _____

BY THE ENGINEER:
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.

ENGINEER: BRIAN F. CLEARY, MD P.E. No.28559 DATE: _____

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

HOWARD SOIL CONSERVATION DISTRICT DATE: _____

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division DATE: 5-25-11
 Chief, Division of Land Development DATE: 5/23/11

DIRECTOR DATE: _____

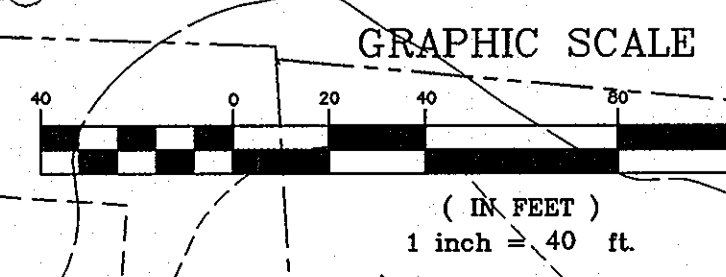
NOTE: ALL STORM DRAINS SHOWN ON THESE PLANS ARE TO BE PRIVATELY OWNED AND MAINTAINED

NOTE: ALL STORMWATER MANAGEMENT BMP'S SHOWN ON THESE PLANS ARE TO BE PRIVATELY OWNED AND MAINTAINED

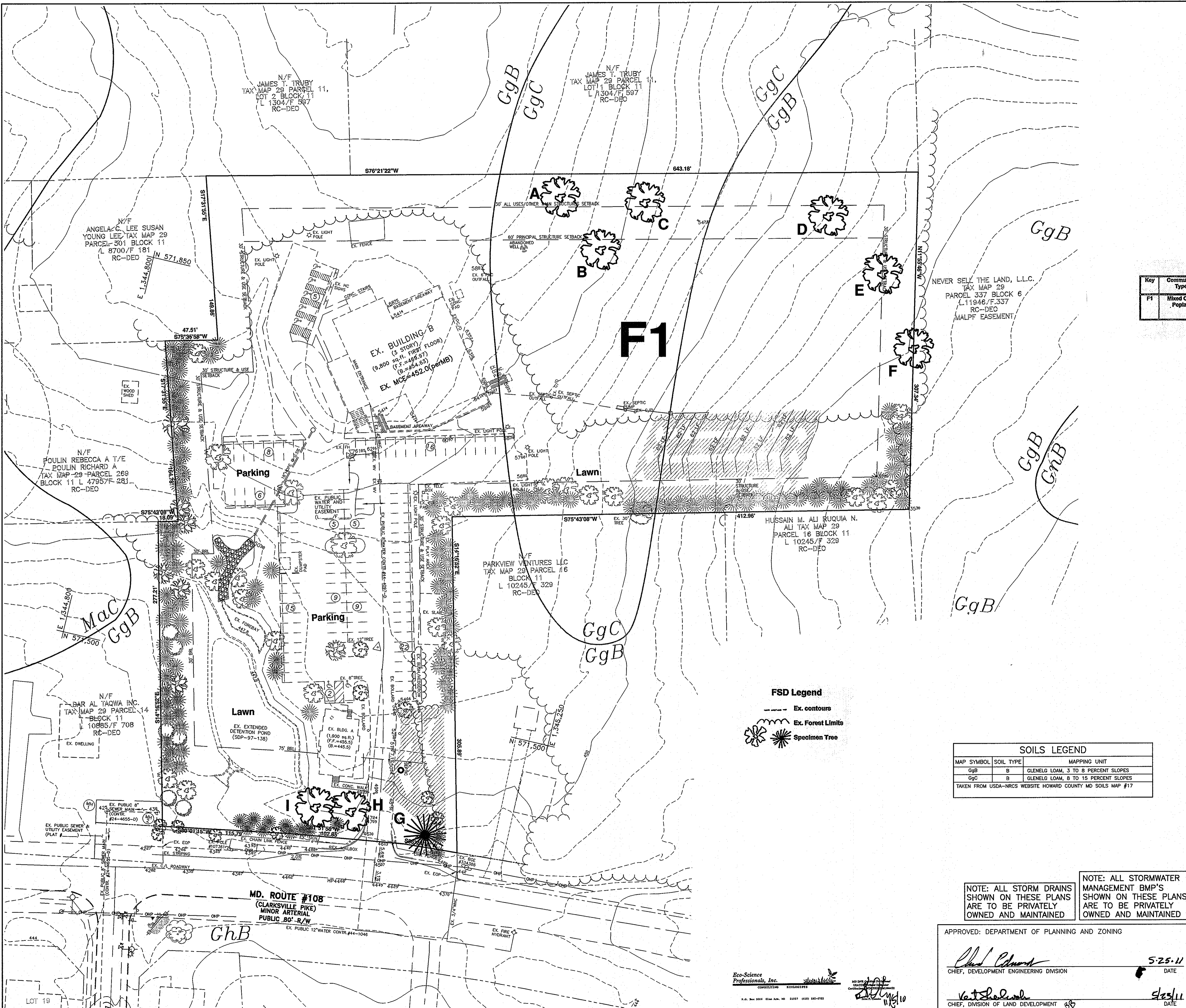
ALL SEDIMENT & EROSION CONTROL FEATURES ARE TO BE REPAIRED IMMEDIATELY IF DISRUPTED BY UTILITY INSTALLATION

SUPER SILT FENCE IS TO BE INSPECTED FREQUENTLY & CLEANED, REPAIRED AND/OR RE-INSTALLED IMMEDIATELY AS NECESSARY

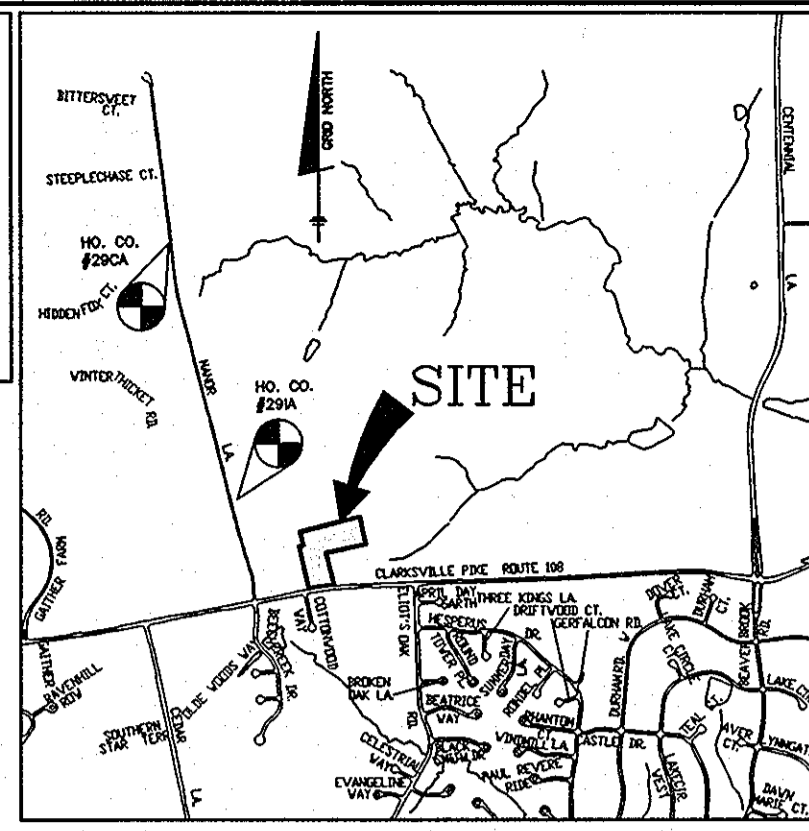
ALL SEDIMENT CONTROL FEATURES SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS SHOWN IN THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.



NO.	DATE	REVISION
BENCHMARK ENGINEERING, INC. ENGINEERS & LAND SURVEYORS & PLANNERS 8480 BALTIMORE NATIONAL PIKE SUITE 418 • ELLICOTT CITY, MARYLAND 21043 (P) 410-465-8105 (F) 410-465-6644 60 THOMAS JOHNSON DRIVE • FREDERICK, MARYLAND 21702 (P) 301-371-3505 (F) 301-371-3506 WWW.BEI-CIVLENGINEERING.COM		
OWNER/BUILDER: DAR AL TAQWA INC. 10740 ROUTE 108 ELLICOTT CITY, MD. 21042 410-531-2235		PROJECT: DAR-AL-TAQWA PHASE 3 (BUILDING C) RELIGIOUS RECREATION/DAY-CARE BUILDING
LOCATION: TAX MAP 25 - GRID 11 PARCEL 12 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND		TITLE: ENVIRONMENTAL CONCEPT PLAN SEDIMENT & EROSION CONTROL AND MASS GRADING PLAN
DATE: NOVEMBER, 2010 MAY, 2011		PROJECT NO. 2132
SCALE: AS SHOWN		DRAWING 3 OF 4



BENCH MARKS NAD '83
 HO. CO. 29CA ELEV. 422.892
 STAMPED DISC ON CONCRETE MONUMENT, MANOR LANE 0.8 MILES NORTH OF RT. 108.
 N 574526.116 E 1,343533.76
 HO. CO. 29IC ELEV. 468.127
 STAMPED DISC ON CONCRETE MONUMENT, MANOR LANE 0.2 MILES NORTH OF RT. 108.
 N 572323.543 E 1,344112.28



VICINITY MAP
 SCALE: 1"=2000'
 ADC MAP 15, D2

Forest Stand Data

Key	Community Type	Acreage	Dominant Vegetation	General Condition	Priority Acreage
F1	Mixed Oak - Poplar	2.2	Quercus velutina, Quercus alba, Liriodendron tulipifera, Carya glabra, Juglans nigra	Good	0.3 specimen trees

See accompanying report for complete stand descriptions
 * Approximately 1.5 acres of offsite forest area is present within 100 feet of the property

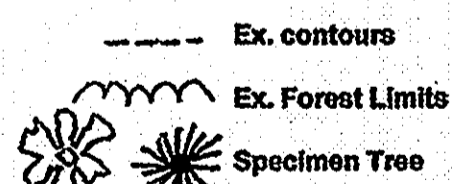
Specimen Tree Chart

Key	Species, Size (dbh)	Condition
A	Tulip poplar - 30"	good
B	Tulip poplar - 39"	poor
C	Black oak - 34"	good
D	Black oak - 39"	good
E	Tulip poplar - 36"	good
F	Black gum, 30+"	good
G	White pine - 35"	good
H	Silver maple, 50"	fair - used to support lighting
I	Silver maple 43"	good

FSD NOTES:

1. No rare, threatened or endangered species or their appropriate habitat were observed on the property.
2. Surrounding land use is medium density residential development and agriculture.
3. All forest on the site is within Stand F-1.
4. No wetlands, streams or their buffers are present on the subject property.

FSD Legend



SOILS LEGEND

MAP SYMBOL	SOIL TYPE	MAPPING UNIT
GgB	B	GLENELD LOAM, 3 TO 8 PERCENT SLOPES
GgC	B	GLENELD LOAM, 8 TO 15 PERCENT SLOPES

TAKEN FROM USDA-NRCS WEBSITE HOWARD COUNTY MD SOILS MAP #17

NOTE: ALL STORM DRAINS SHOWN ON THESE PLANS ARE TO BE PRIVATELY OWNED AND MAINTAINED

NOTE: ALL STORMWATER MANAGEMENT BMP'S SHOWN ON THESE PLANS ARE TO BE PRIVATELY OWNED AND MAINTAINED

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad Edward 5-25-11
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Val Shalinski 5/25/11
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

NO.	DATE	REVISION

BENCHMARK ENGINEERING, INC.
 ENGINEERS • LAND SURVEYORS • PLANNERS
 8480 BALTIMORE NATIONAL PIKE SUITE 418 & ELLOTT CITY, MARYLAND 21043
 (P) 410-465-8105 (F) 410-465-6644
 60 THOMAS JOHNSON DRIVE & FREDERICK, MARYLAND 21702
 (P) 301-371-3505 (F) 301-371-3506
 WWW.BEI-CVLENGINEERING.COM

PROFESSIONAL CERTIFICATION:
 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. 28559; Expiration Date: 7-22-2011

OWNER/BUILDER: DAR AL TAQWA INC.
 10740 ROUTE 108
 ELLICOTT CITY, MD. 21042
 410-531-2235

PROJECT: DAR-AL-TAQWA
 PHASE 3 (BUILDING C)
 RELIGIOUS RECREATION/DAY-CARE BUILDING

LOCATION: TAX MAP 29 - GRID 11
 PARCEL 12
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: ENVIRONMENTAL CONCEPT PLAN
 FOREST STAND DELINEATION
 PLAN, NOTES AND DETAILS

DATE: NOVEMBER, 2010
 MAY, 2011

PROJECT NO. 2132

SCALE: AS SHOWN DRAWING 4 OF 4

Design: MCR/BFC Draft: MCR/BFC Check: JMC