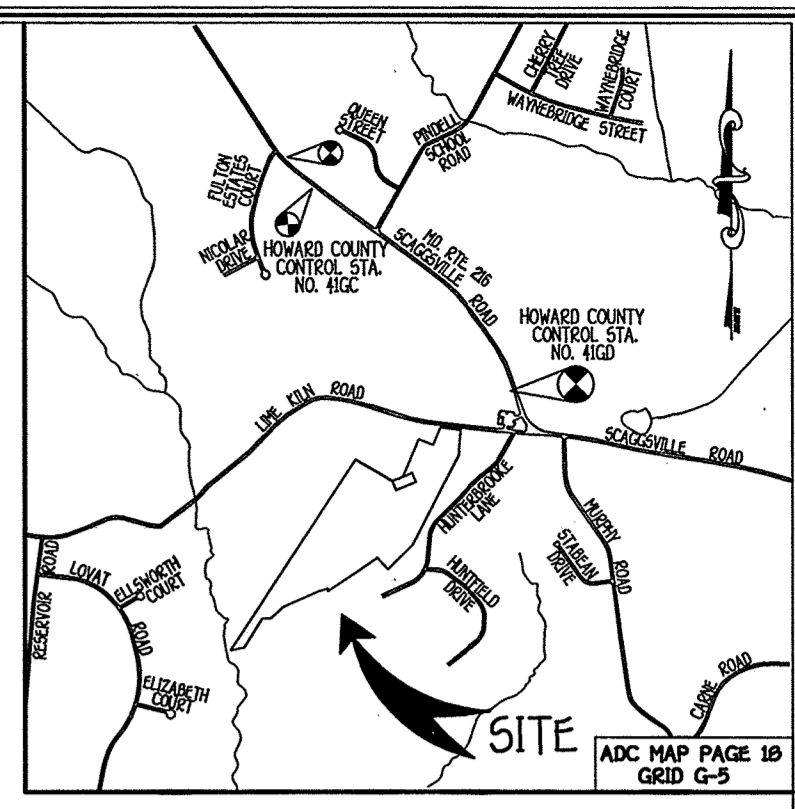


SCHEDULE A - PERIMETER LANDSCAPE EDGE

Table with 15 columns (P-1 to P-15) and 15 rows (PERIMETER, CATEGORY, LANDSCAPE TYPE, LINEAR FEET OF PERIMETER, CREDIT FOR EXISTING VEGETATION, CREDIT FOR WALL/FENCE OR BERM, NUMBER OF PLANTS REQUIRED, NUMBER OF PLANTS PROVIDED).



SCHEDULE A - PERIMETER LANDSCAPE EDGE summary table with 4 columns (PERIMETER, CATEGORY, LANDSCAPE TYPE, LINEAR FEET OF PERIMETER, CREDIT FOR EXISTING VEGETATION, CREDIT FOR WALL/FENCE OR BERM, NUMBER OF PLANTS REQUIRED, NUMBER OF PLANTS PROVIDED).

At The Time of Plant Installation All Shrubs And Trees Listed And Approved On The Landscape Plan Shall Comply With The Proper Height Requirement In Accordance With The Howard County Landscape Manual...

The Owner, Tenants 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 Conditions...

Developer's/Builder's Certificate: I/We certify that the landscaping shown on this plan will be done according to Section 16.124 of the Howard County Code and the Howard County Landscape Manual...

Signatures of Walter Clint Dustin and Beverly Ann Dustin, dated June 8, 2009.

Construction Period Protection Program

A. Forest Protection Techniques: 1. Soil Protection Area (Critical Root Zone): The soil protection area, or critical root zone, of a tree is that portion of the soil column where most of its roots may be found...

B. Pre-Construction Meeting: Upon staking of limits of disturbance and installation of all signage, a pre-construction meeting will be held between the developer and appropriate County inspectors...

C. Storage Facilities/Equipment Cleaning: All equipment storage, parking, sanitary facilities, material stockpiling, etc. associated with construction of the project will be restricted to those areas shown within the limit of disturbance...

D. Sequence of Construction: The following sequence of construction is proposed for construction of the proposed project. The construction start date for this project has not been finalized...

E. Construction Monitoring: Eco-Science Professionals, or another qualified professional designated by the developer, will monitor construction of the project to ensure that all activities are in compliance with the Forest Conservation Plan...

F. Activities Permitted During Construction: The forest conservation plan will allow the following activities within forest resources during the construction phase of the project:

G. Post-Construction Meeting: Upon completion of construction, Eco-Science Professionals, or another qualified professional designated by the developer, will verify that construction has been completed and arranged for a post-construction meeting...

Post-Construction Management Plan: The post-construction management plan will further ensure that all Forest Conservation Easement Areas are maintained. The developer will be responsible for the implementation of the post-construction management plan.

A. Signage: Signage indicating the limits of the forest retention areas shall be maintained.

REFORESTATION FOREST CONSERVATION EASEMENT No. 2: ALL PLANTING WILL SECURE TREE SHRETLINGS. TOTAL TREES PROPOSED= 350 X 3.24 + 134 TREES

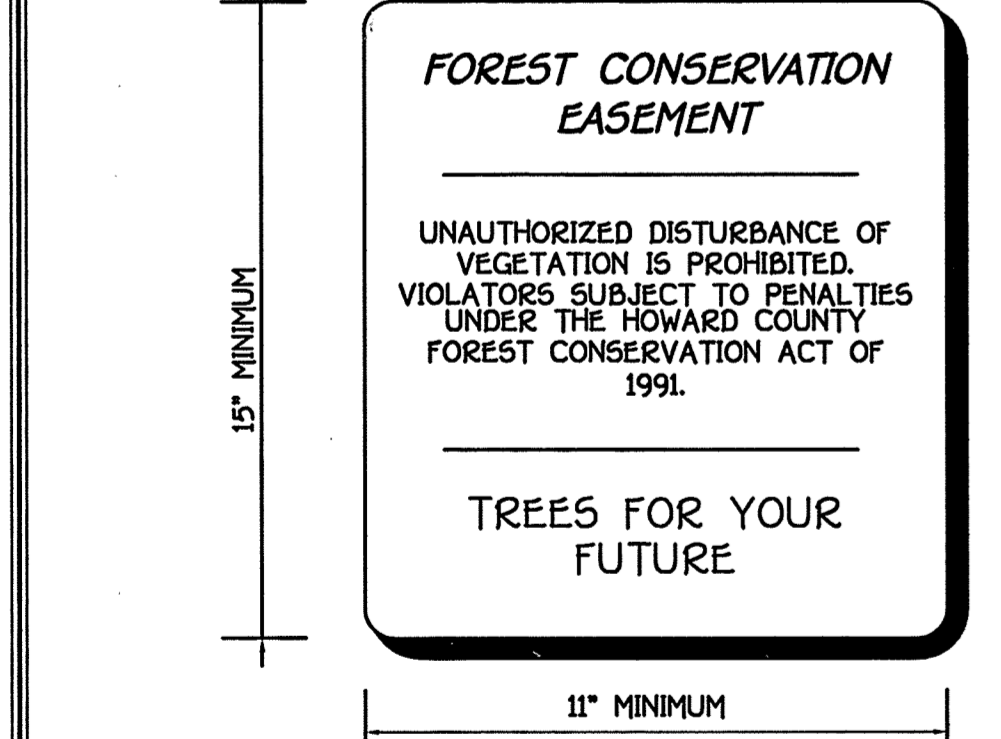
Table with 4 columns: QTY, Species, Size, Spacing. Lists various tree species like Acer rubrum, Acer saccharinum, Carpinus caroliniana, etc.

A LANDSCAPE SURETY FOR 66 SHADE TREES IN THE AMOUNT OF \$19,800.00 (66 SHADE TREES @ \$300.00 EACH) SHALL BE PROVIDED WITH THE GRADING PERMITS. FOR THE INDIVIDUAL LOTS AS FOLLOWS:

LANDSCAPING PLANT LIST table with 4 columns: QTY, KEY, NAME, SIZE. Lists plants like CORNUS FLORIDA, CORNUS FLORIDA 'RUBRA', etc.

Table with 4 columns: QTY, KEY, NAME, SIZE. Lists plants like PRUNUS SERULLATA, ACER RUBRUM, GLEDITSIA TRIACANTHOS, etc.

ON-SITE SIGNAGE



MD DNE Qualified Professional, USACOE Wetland Delimitator Certification # WDCP000610044B. JOHN P. CANOLES.

Eco-Science Professionals, Inc. CONSULTING ECOLOGISTS.

FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS.

FOREST CONSERVATION WORKSHEET VERSION 1.0

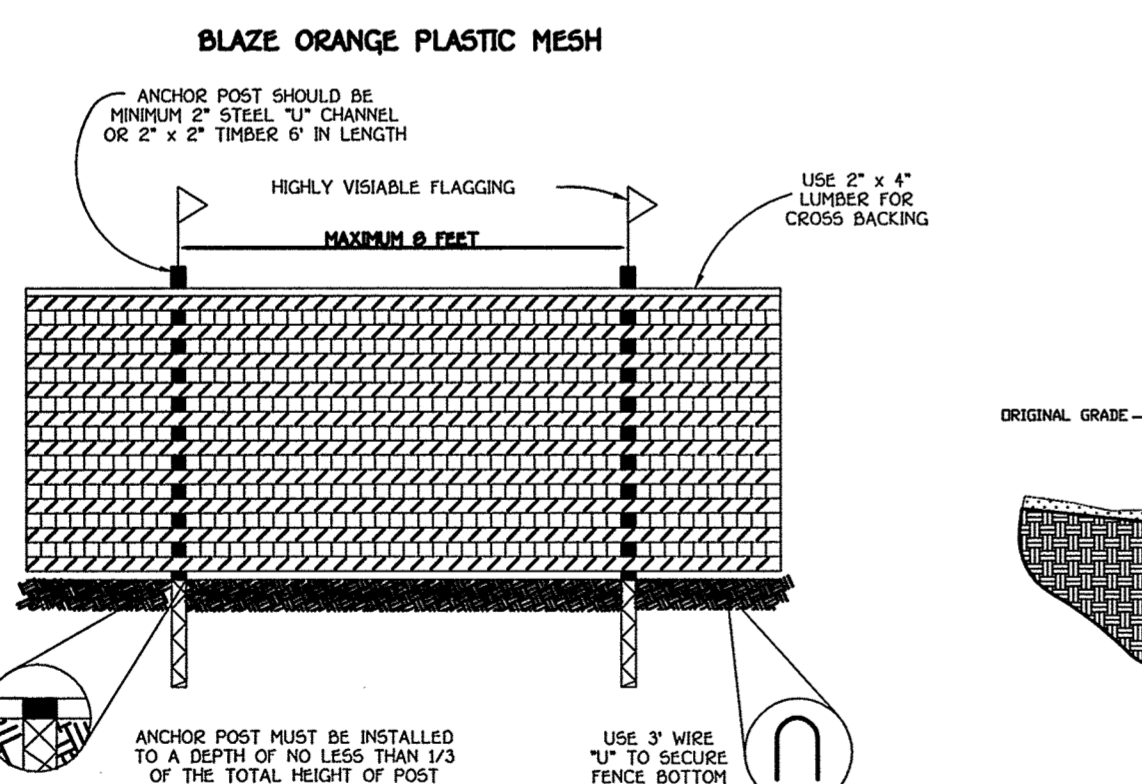
BASIC SITE DATA table with 2 columns: Item, Value. Includes TOTAL TRACT AREA (33.70), AREA WITHIN FORESTED 100 YEAR FLOODPLAIN (0.70), etc.

INFORMATION FOR CALCULATIONS table with 2 columns: Item, Value. Includes AFFORESTATION THRESHOLD (20% X D = 6.60), FOREST CONSERVATION THRESHOLD (0.25% X D = 8.25), etc.

BREAK EVEN POINT table with 2 columns: Item, Value. Includes FOREST RETENTION ABOVE THRESHOLD WITH NO MITIGATION (0.00), CLEARING PERMITTED WITHOUT MITIGATION (0.00), etc.

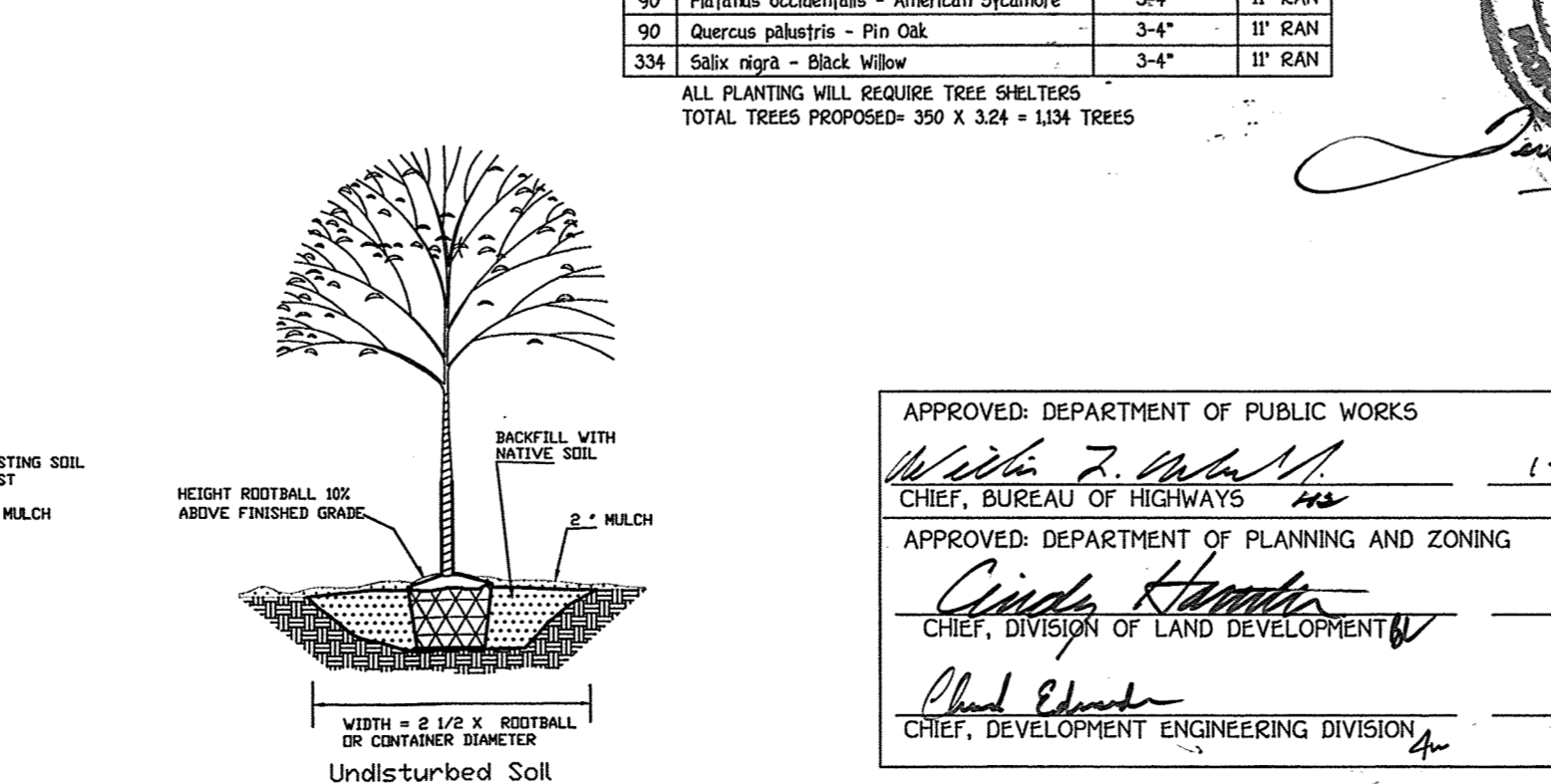
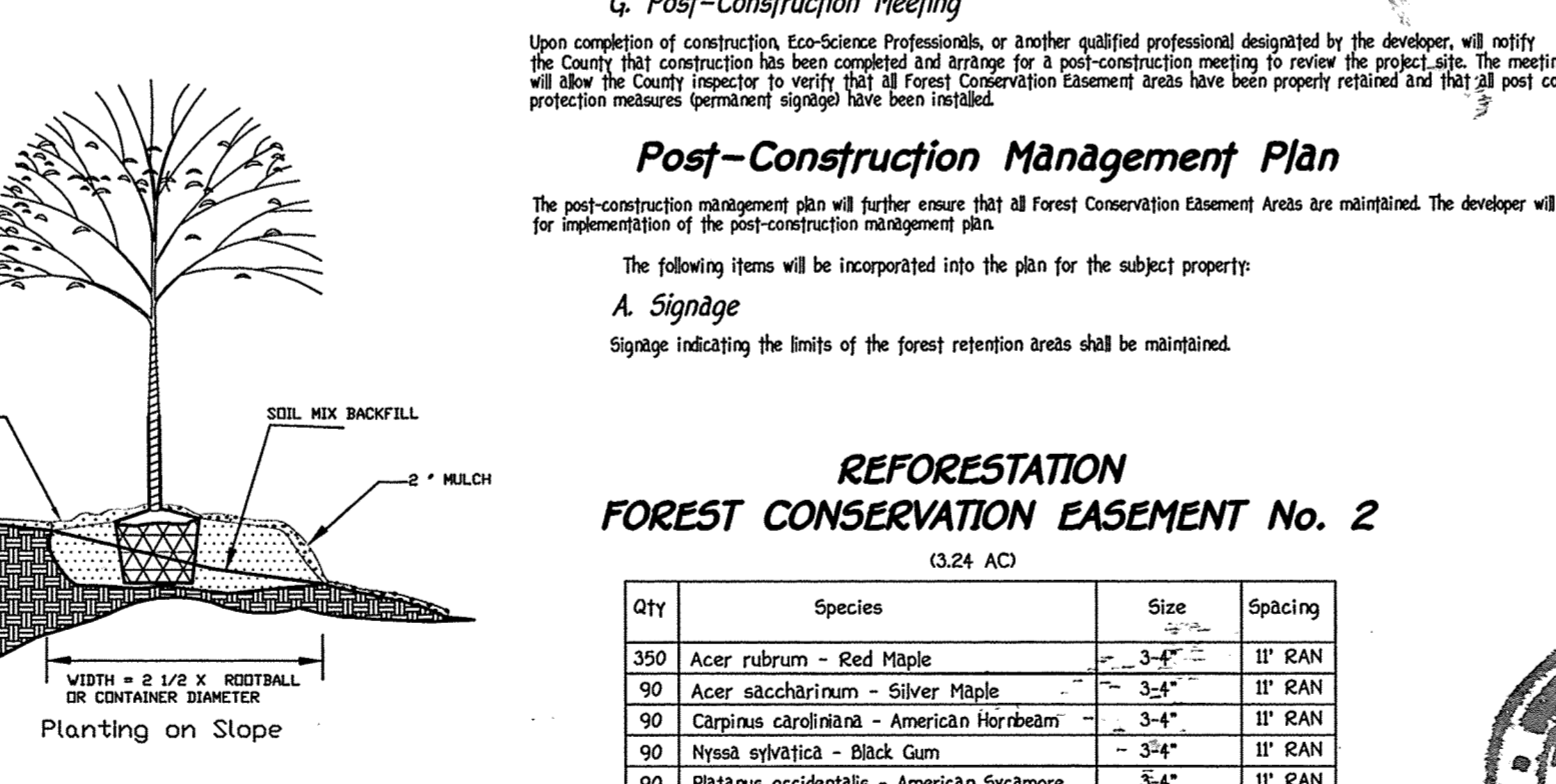
PROPOSED FOREST CLEARING table with 2 columns: Item, Value. Includes TOTAL AREA OF FOREST TO BE CLEARED OR RETAINED OUTSIDE FCE (0.00), TOTAL AREA OF FOREST TO BE RETAINED FCE (3.36), etc.

PLANTING REQUIREMENTS table with 2 columns: Item, Value. Includes REFORESTATION FOR CLEARING ABOVE CONSERVATION THRESHOLD (0.00), REFORESTATION FOR CLEARING BELOW CONSERVATION THRESHOLD (0.00), etc.



OWNER: Mr. & Mrs. Walter Clint Dustin, 11903 Lime Kiln Road, Fulton, Maryland 20799-9616, Phone 301-490-5273.

DEVELOPER: Mr. & Mrs. Walter Clint Dustin, 11903 Lime Kiln Road, Fulton, Maryland 20799-9616, Phone 301-490-5273.



APPROVED: DEPARTMENT OF PUBLIC WORKS, CHIEF, BUREAU OF HIGHWAYS, DATE: 1-15-09. APPROVED: DEPARTMENT OF PLANNING AND ZONING, CHIEF, BUREAU OF PLANNING AND ZONING, DATE: 1/23/09. APPROVED: CHIEF, DEVELOPMENT ENGINEERING DIVISION, DATE: 1/23/09.

LEGEND table with 2 columns: Symbol, Description. Includes EXISTING 2' CONTOURS, EXISTING 10' CONTOURS, PROPOSED CONTOUR, DISCONNECTED IMPERVIOUS AREA, DISCONNECTION RECEIVING AREA, etc.

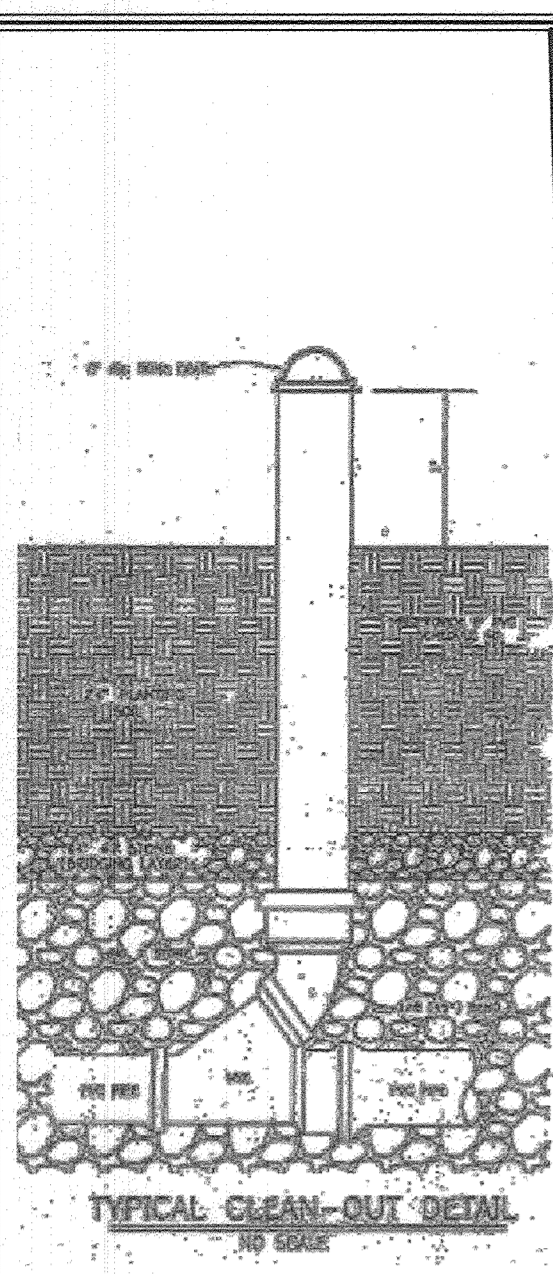
NOTE: UNIT SIZE SHOWN REFLECT NOMINAL BUILDING SIZE AND IS SUBJECT TO FINAL ARCHITECTURE. FINAL DOWNSPOUT LOCATIONS SUBJECT TO FINAL ARCHITECTURE.

SOILS LINES AND TYPE table with 2 columns: Symbol, Description. Includes GLB2, MLC2, L.O.D., etc.

Table with 2 columns: Symbol, Description. Includes STREAM AND TOP OF BANK, 75' STREAM BANK BUFFER, LIMIT OF WETLANDS, WETLANDS AREA, 25' WETLANDS BUFFER, EXISTING TREELINE, PROPOSED TREELINE, LIMIT OF EXISTING 100 YEAR FLOODPLAIN ELEVATION, EXISTING FOREST CONSERVATION EASEMENT PLAT NOS. 19666-19668, EXISTING ENVIRONMENTALLY SENSITIVE DEVELOPMENT CREDIT EASEMENT PLAT NOS. 19666-19668, PROPOSED FOREST CONSERVATION EASEMENT (RETENTION), PROPOSED FOREST CONSERVATION EASEMENT (REFORESTATION), PROPOSED PRIVATE USE-IN-COMMON ACCESS EASEMENT.

REVISIONS table with 3 columns: NO., DESCRIPTION, DATE. Includes: 1. ADDED SHEETS 4 & 5 (4/14/15), 2. REVISED NOTE NOT TO BE USED TO REPAIR 2 CANTERS REGARDING ROOFTOP DISCONNECTION (9/20/17), 3. REVISE GENERAL NOTE 29 (6/17/19), 4. PASTE SHEET NUMBERS (FEB 10, 2022).

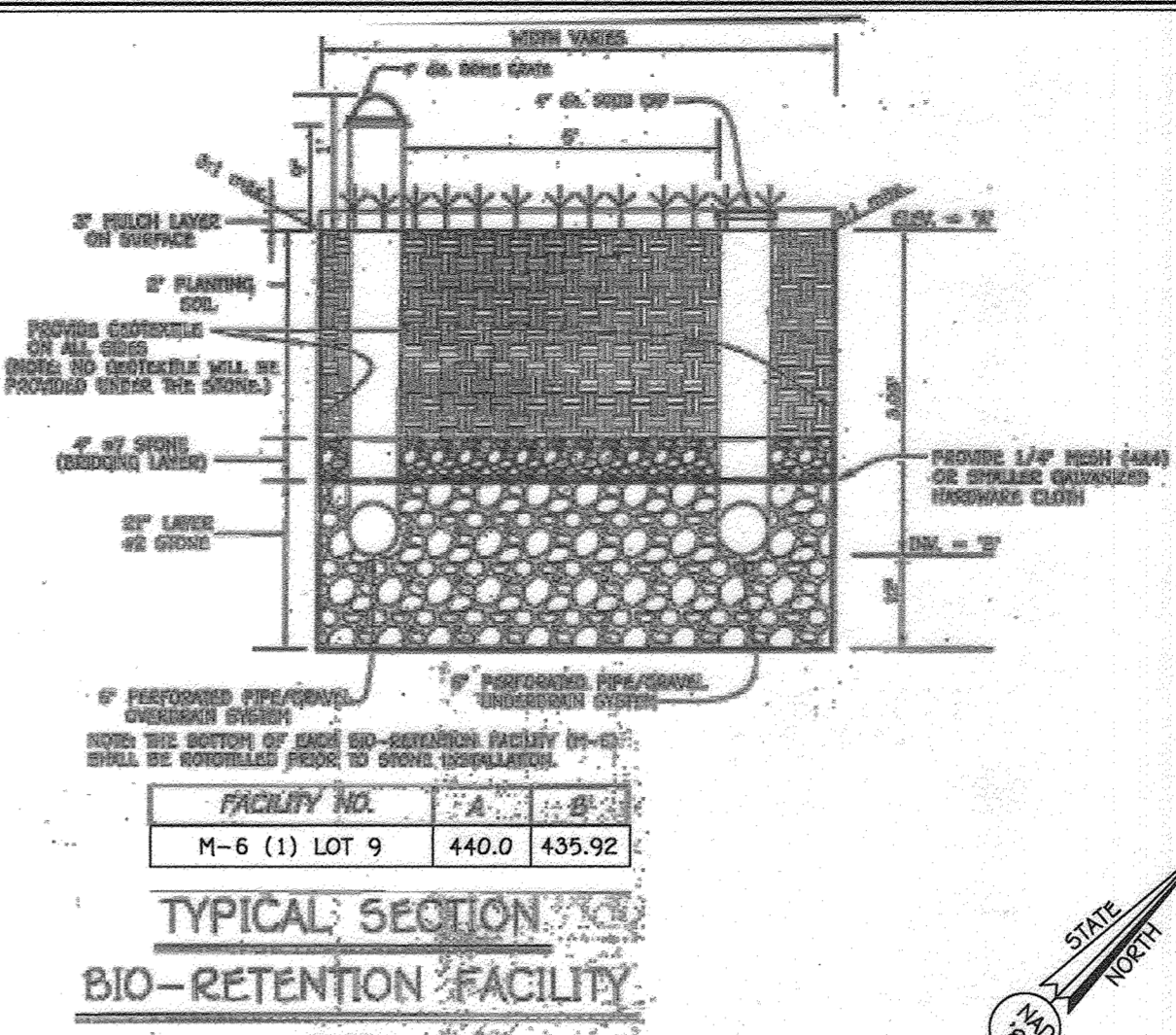
SUPPLEMENTAL PLAN, TOPOGRAPHY, SOILS, STORMWATER MANAGEMENT, FOREST CONSERVATION AND PERIMETER LANDSCAPING PLAN. Dustin's Golden Fields. Lots 5 Thru 9, Buildable Preservation Parcel 'A' And Non-Buildable Preservation Parcels 'B', 'C' & 'D'. A Resubdivision of Lot 4, As Shown On Plats Entitled 'Dustin Property, Lots 1 Thru 4' And Recorded Among The Land Records Of Howard County, Maryland As Plat Nos. 19666 Thru 19668.



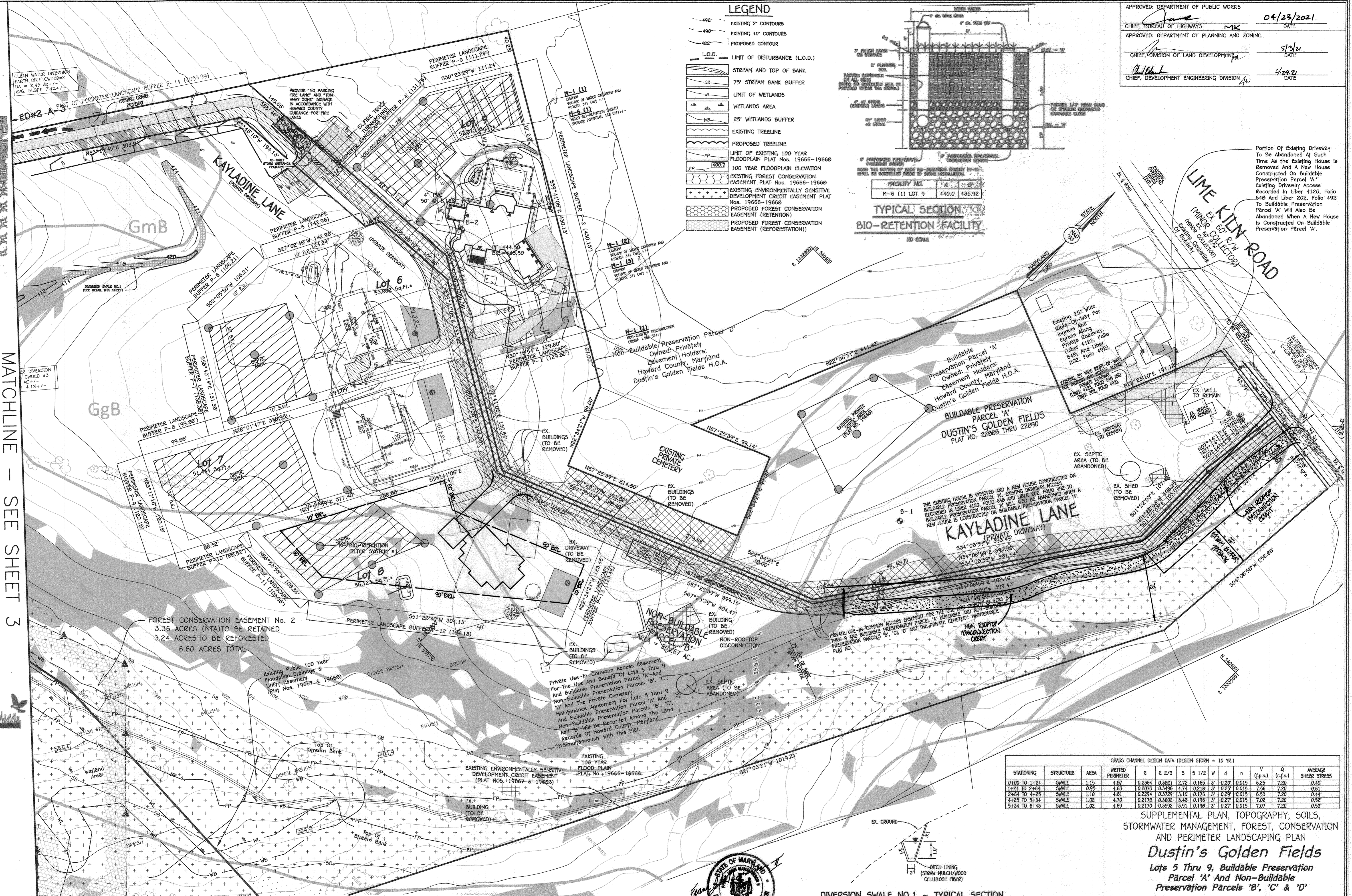
TYPICAL CLEAN-OUT DETAIL
NO SCALE

LEGEND

- 492 EXISTING 2' CONTOURS
- 490 EXISTING 10' CONTOURS
- 482 PROPOSED CONTOUR
- L.O.D. LIMIT OF DISTURBANCE (L.O.D.)
- SB STREAM AND TOP OF BANK
- WL 75' STREAM BANK BUFFER
- WLA LIMIT OF WETLANDS
- WB WETLANDS AREA
- W25 25' WETLANDS BUFFER
- ET EXISTING TREELINE
- PT PROPOSED TREELINE
- FE LIMIT OF EXISTING 100 YEAR FLOODPLAIN PLAT NOS. 19666-19668
- FL 100 YEAR FLOODPLAIN ELEVATION
- EE EXISTING FOREST CONSERVATION EASEMENT PLAT NOS. 19666-19668
- EE1 EXISTING ENVIRONMENTALLY SENSITIVE DEVELOPMENT CREDIT EASEMENT PLAT NOS. 19666-19668
- EE2 PROPOSED FOREST CONSERVATION EASEMENT (RETENTION)
- EE3 PROPOSED FOREST CONSERVATION EASEMENT (REFORESTATION)



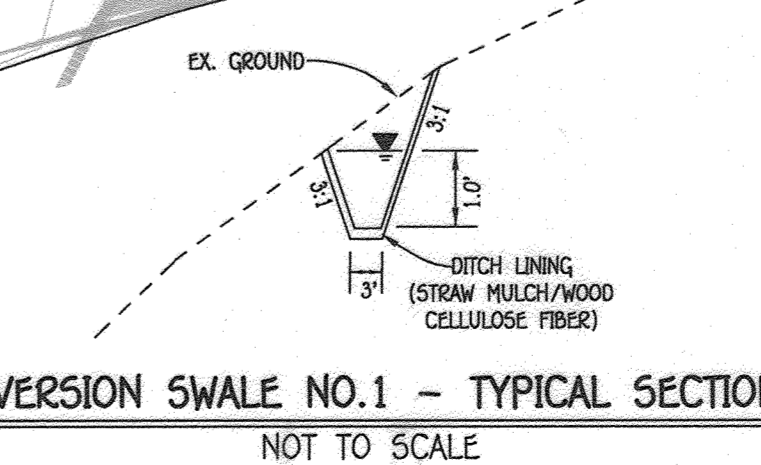
APPROVED: DEPARTMENT OF PUBLIC WORKS
 CHIEF, BUREAU OF HIGHWAYS MK 04/23/2021 DATE
 APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DIVISION OF LAND DEVELOPMENT 5/3/21 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION 4/29/21 DATE



Portion Of Existing Driveway To Be Abandoned At Such Time As The Existing House Is Removed And A New House Constructed On Buildable Preservation Parcel 'A'. Existing Driveway Access Recorded In Liber 4120, Folio 640 And Liber 202, Folio 492 To Buildable Preservation Parcel 'A' Will Also Be Abandoned When A New House Is Constructed On Buildable Preservation Parcel 'A'.

GRASS CHANNEL DESIGN DATA (DESIGN STORM = 10 YR.)

STATIONING	STRUCTURE	AREA	R	R 2/3	S	5 1/2	W	d	n	V	Q	AVERAGE SHEAR STRESS	
0+00 TO 1+24	SWALE	1.15	4.87	0.2364	0.3821	2.72	0.165	3'	0.30	0.015	6.25	7.20	0.40
1+24 TO 2+64	SWALE	0.95	4.50	0.2070	0.3498	4.74	0.218	3'	0.25	0.015	7.56	7.20	0.51
2+64 TO 4+25	SWALE	1.10	4.81	0.2294	0.3725	3.10	0.176	3'	0.29	0.015	6.53	7.20	0.44
4+25 TO 5+34	SWALE	1.02	4.70	0.2178	0.3602	3.48	0.196	3'	0.27	0.015	7.02	7.20	0.52
5+34 TO 6+43	SWALE	1.02	4.69	0.2170	0.3592	3.91	0.198	3'	0.27	0.015	7.97	7.20	0.53



SUPPLEMENTAL PLAN, TOPOGRAPHY, SOILS, STORMWATER MANAGEMENT, FOREST, CONSERVATION AND PERIMETER LANDSCAPING PLAN
Dustin's Golden Fields
 Lots 5 Thru 9, Buildable Preservation Parcel 'A' And Non-Buildable Preservation Parcels 'B', 'C' & 'D'
 A Resubdivision of Lot 4, As Shown On Plats Entitled "Dustin Property, Lots 1 Thru 4" And Recorded Among The Land Records Of Howard County, Maryland As Plat Nos. 19666 Thru 19668.

Zoned: RR-DEO Parcel No.: 103 Grid No.: 1
 Tax Map No.: 46 Fifth Election District, Howard County, Maryland
 Date: April 14, 2015
 Sheet 2 of 6

NO DMR Qualified Professional USACOE Wetland Designer Certification: WDCP3900000110
 JFC
 JOHN P. CANDLES
 Eco-Science Professionals, Inc.
 CONSULTING ECOLOGISTS

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SOURCE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21102
 (410) 461-2899

OWNER
 Mr. & Mrs. Walter Clint Dustin
 11903 Lime Kiln Road
 Fulton, Maryland 20759-9616
 Phone 301-490-5273

DEVELOPER
 Mr. & Mrs. Walter Clint Dustin
 11903 Lime Kiln Road
 Fulton, Maryland 20759-9616
 Phone 301-490-5273

NO.	REVISIONS	DATE
6	ADD AS-BUILT ENTRANCE, LOT 9 GRADING AND RETAINMENT SHEET NUMBERS	2/17/2021
5	REVISED HOUSE, GRADING AND SWM ON LOT 9	6/17/19
4	REVISE HSE & GRD ON LOT 5, ADD DIVERSION CHANNEL DATA & DIVERSION SWALE DETAIL.	12/10/18
3	REVISE HOUSE AND GRADING LOT 6 & ADD SWM DETAILS	3/7/18

7 REVISION: DRIVEWAY, NON-ROOFTOP DISCONNECTION CREDIT & EASEMENT 6/20/23



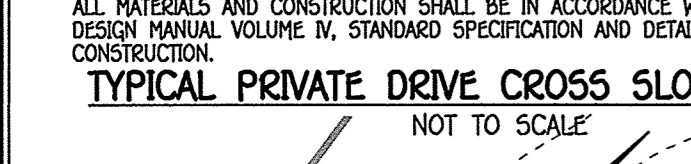
F-09-028

BIORETENTION FILTER PLANT MATERIAL			
QUANTITY	NAME	MAXIMUM SPACING (FT.)	
45	MIXED PERENNIALS	1 FT.	
45	MIXED GRASSES	1 FT.	
1	DOGWOOD	PLANT AWAY FROM INFLOW LOCATION	

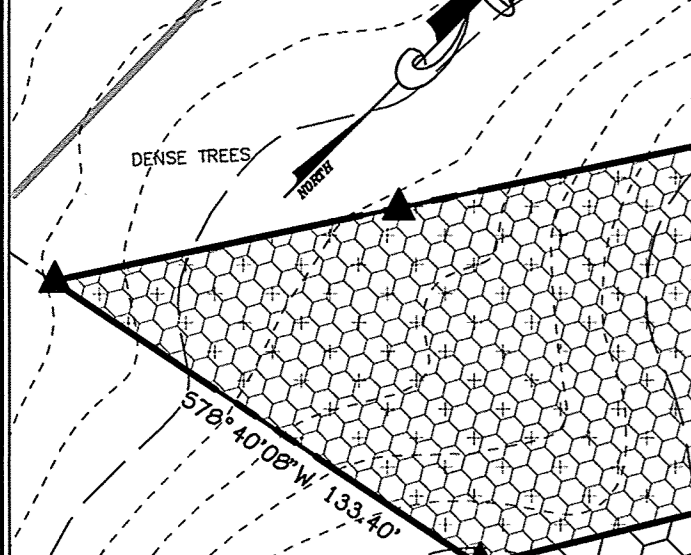
BIORETENTION FILTER DATA									
BIORETENTION FILTER	A	B	C	D	E	F	G	H	I
1	427.5	427.5	427.5	428.25	428.25	428.25	428.25	428.25	428.25
2	428.25	428.25	428.25	428.25	428.25	428.25	428.25	428.25	428.25
3	428.25	428.25	428.25	428.25	428.25	428.25	428.25	428.25	428.25
4	428.25	428.25	428.25	428.25	428.25	428.25	428.25	428.25	428.25

PRIVATE BIORETENTION FILTER OPERATION & MAINTENANCE SCHEDULE

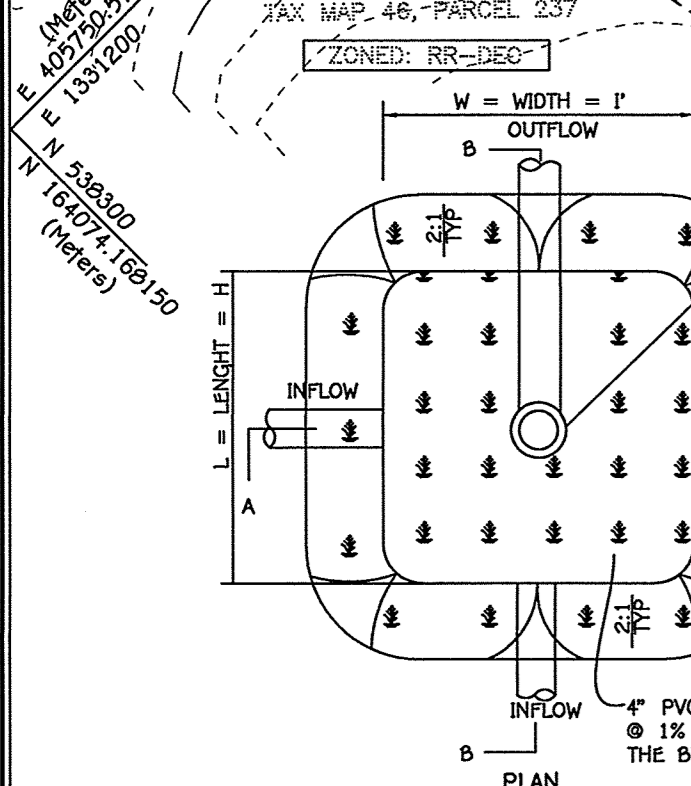
- ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR SOIL LOSS. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS THESE PROBLEMS AS THEY OCCUR.
- SCHEDULE OF PLANT INSPECTION WILL BE ONCE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION. CONSIDER BEYOND TREATMENT. TREATMENT OF ALL DISEASED TREES AND SHRUBS AND REPLACEMENT OF ALL DEFICIENT GRASSES AND MULCH.
- MULCH SHALL BE INSPECTED EACH SPRING. REMOVE 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.



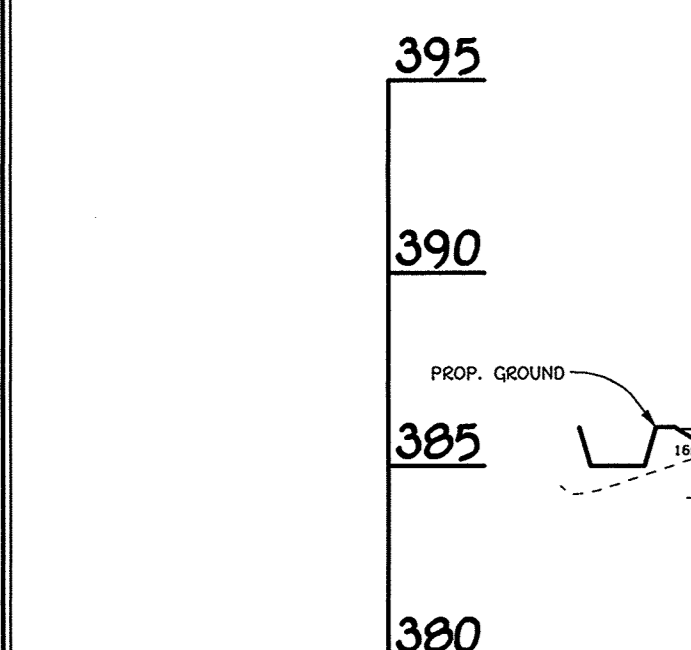
TYPICAL PRIVATE DRIVE CROSS SLOPE SECTION
NOT TO SCALE



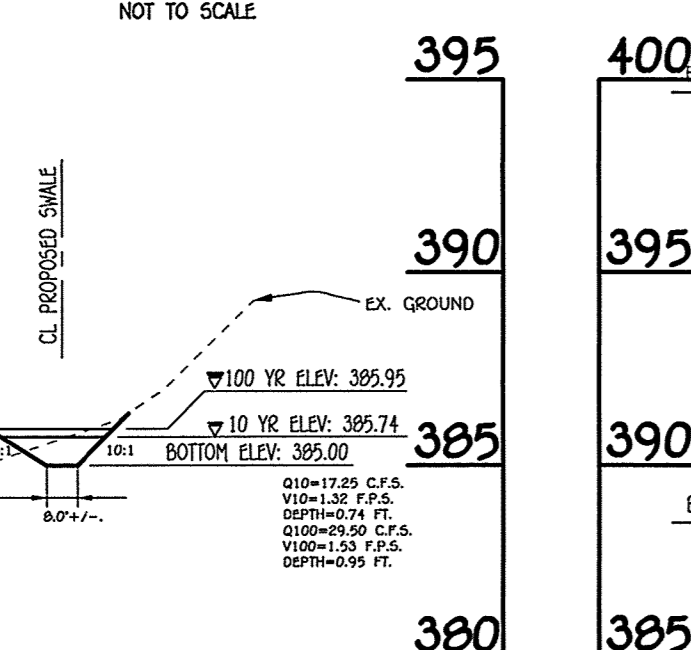
BIORETENTION FILTER PLANTING DETAIL
NOT TO SCALE



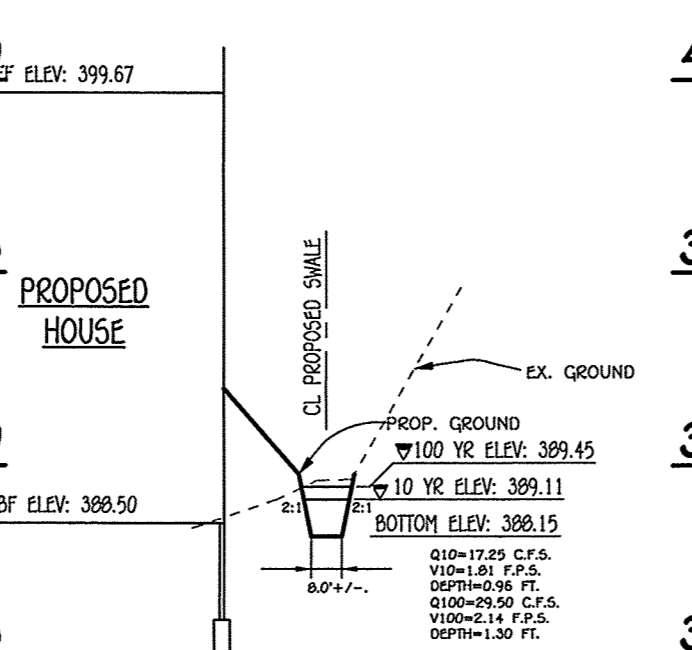
BIORETENTION FILTER SYSTEM DETAIL
NOT TO SCALE



PROPOSED SWALE #2 X-SECTION 'A-A'
SCALE HORIZ. 1"=50'
VERT. 1"=5'



PROPOSED SWALE #2 X-SECTION 'B-B'
SCALE HORIZ. 1"=50'
VERT. 1"=5'



PROPOSED SWALE #2 X-SECTION 'C-C'
SCALE HORIZ. 1"=50'
VERT. 1"=5'

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATION OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE.

John R. Roberts SIGNATURE OF DEVELOPER
DATE: 1-24-19

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

John R. Roberts SIGNATURE OF DEVELOPER
DATE: 1/24/19

APPROVED: DEPARTMENT OF PUBLIC WORKS
DATE: 2/6/2019

CHIEF, BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PLANNING AND ZONING
DATE: 2/19/19

CHIEF, DIVISION OF LAND DEVELOPMENT

APPROVED: DEPARTMENT OF PLANNING AND ZONING
DATE: 2.13.19

CHIEF, DEVELOPMENT ENGINEERING DIVISION

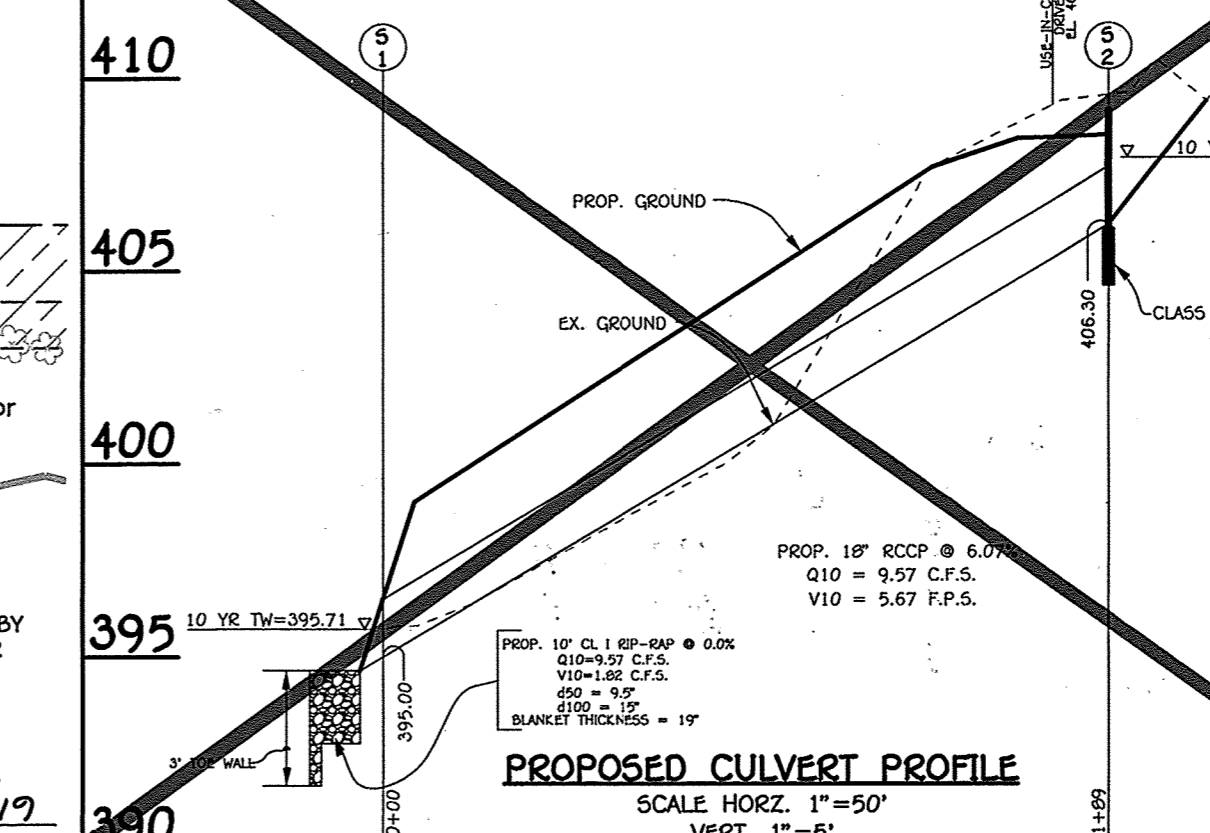
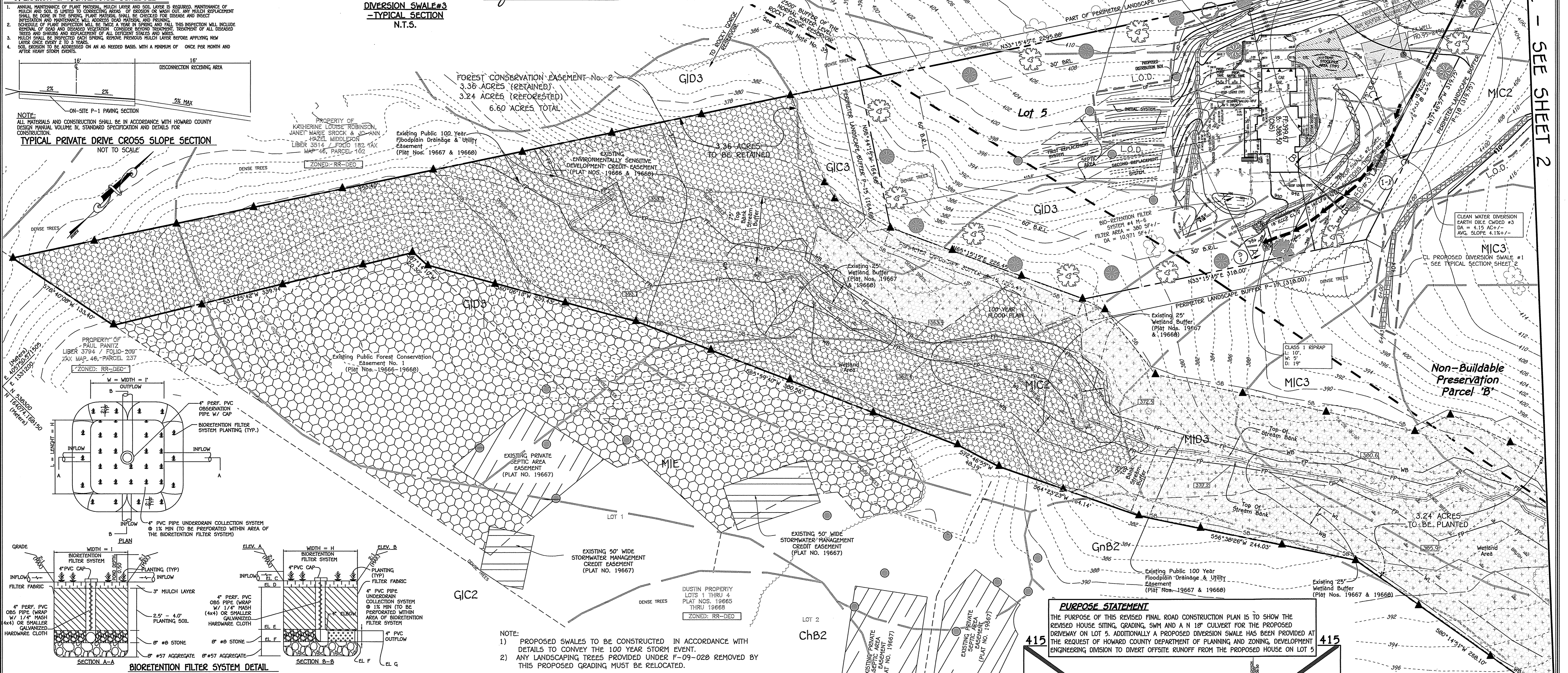
NO.	REVISIONS DESCRIPTION	DATE
1	ADDED SHEETS 4 & 5	4-14-15
2	REVISE BIO-RETENTION FILTER DATA FOR #2	3-7-18
3	REVISE HOUSE AND GRADING LOT 5, ADD PROP.CULVERT AND SWALE PROFILES	12-12-18
4	ADD STORM DRAIN AND REVISE LOT GRADING - LOT 5	6-17-19
5	ADD RETAINING WALL AND REASE SHEET NUMBER	2-17-21

* S2 SHOULD BE LOCATED WITHIN THE FLOW LINE OF THE EXISTING DITCH TO INTERCEPT THE MAXIMUM FLOW.

CLEAN WATER DIVERSION FENCE CWD#2
DA = 0.85 AC +/-
AVG. SLOPE 2.0% +/-

CLEAN WATER DIVERSION FENCE CWD#1
DA = 0.96 AC +/-
AVG. SLOPE 2.0% +/-

CLEAN WATER DIVERSION FENCE CWD#3
DA = 4.15 AC +/-
AVG. SLOPE 4.15% +/-



PROPOSED CULVERT PROFILE
SCALE HORIZ. 1"=50'
VERT. 1"=5'

OWNER/DEVELOPER
Mr. & Mrs. Walter Clint Dustin
11903 Lime Kiln Road
Fulton, Maryland 20759-9616
Phone 301-490-5275

REVISED
SUPPLEMENTAL PLAN, TOPOGRAPHY, SOILS, STORMWATER MANAGEMENT, FOREST CONSERVATION AND PERIMETER LANDSCAPING PLAN

Dustin's Golden Fields
Lots 5 Thru 9, Buildable Preservation Parcel 'A' And Non-Buildable Preservation Parcels 'B', 'C' & 'D'

A Resubdivision Of Lot 4, As Shown On Plat Entitled "Dustin Property, Lots 1 Thru 4" And Recorded Among The Land Records Of Howard County, Maryland As Plat Nos. 19666 Thru 19668.

Zoned: RR-DEO
Tax Map No: 46 Parcel No: 103 Grid No: 1
Fifth Election District, Howard County, Maryland
Date: December 19, 2018
Scale 1"=50'
Sheet 3 of 8

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/19.

Frank Mahalanski II
FRANK MAHALANSKI, II
DATE: 1/23/19

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
10775 BALTIMORE NATIONAL PKWY.
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2899

ENGINEER'S CERTIFICATE

I Herewith Certify that the Erosion and Sediment Control Plan is based on my personal knowledge and experience. It was prepared in accordance with the Howard Soil Conservation District. **Feb 16, 2021**

ENGINEER'S CERTIFICATE

"I/We Certify That All Development And Construction Will Be Done According To This Plan Of Development And Plan For Erosion And Sediment Control And That All Responsible Personnel Involved In The Construction Project Will Have A Certificate Of Attendance At A Department Of Natural Resources 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 Or Their Authorized Agents, As Deemed Necessary."

Feb 15, 2021

Approved: This Development Is Approved For Erosion And Sediment Control By The Howard Soil Conservation District. **Alexander Bratchie** **03/29/2021**

Approved: Department Of Planning And Zoning **5/3/21**

Chief, Division Of Land Development

Approved: Howard County Department Of Public Works **04/23/2021**

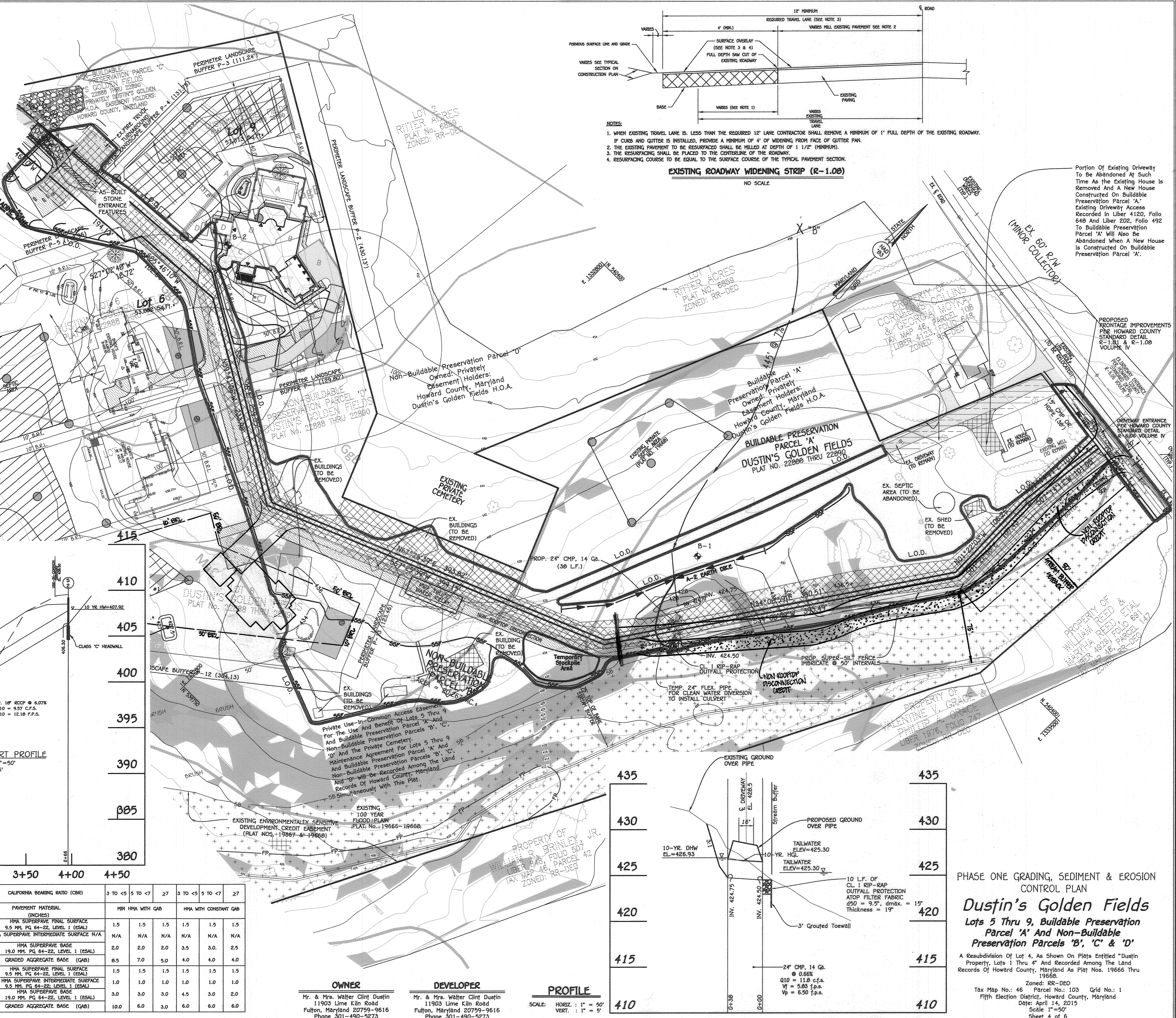
Chief, Bureau Of Highways

REVISIONS

NO.	DESCRIPTION	DATE
1	NEW SHEET	4-14-15
2	REMOVE WELL BOX AND REVISE SEPTIC EASEMENT LOT 9 AND ADD STORM DRAIN PROFILES LOT 5	6-17-19
3	ADD ENTRANCE FEATURES & REVISE SHEET NUMBERS	2-17-21
4	REMOVE DRIVEWAY, NON ROOFTOP RECONNECTION CREDIT EASEMENT	07/07/23

LEGEND

- 492 EXISTING 2' CONTOURS
- 490 EXISTING 10' CONTOURS
- 482 PROPOSED CONTOUR
- L.O.D. LIMIT OF DISTURBANCE (L.O.D.)
- FP LIMIT OF EXISTING 100 YEAR FLOODPLAIN PLAT NOS. 19666-19668
- 100 YEAR FLOODPLAIN ELEVATION 1400.7
- EXISTING FOREST CONSERVATION EASEMENT PLAT NOS. 19666-19668
- EXISTING ENVIRONMENTALLY SENSITIVE DEVELOPMENT CREDIT EASEMENT PLAT NOS. 19666-19668
- PROPOSED FOREST CONSERVATION EASEMENT (RETENTION)
- PROPOSED FOREST CONSERVATION EASEMENT (REFORESTATION)
- STREAM AND TOP OF BANK
- 75' STREAM BANK BUFFER
- LIMIT OF WETLANDS
- WETLANDS AREA
- 25' WETLANDS BUFFER
- EXISTING TREELINE
- PROPOSED TREELINE

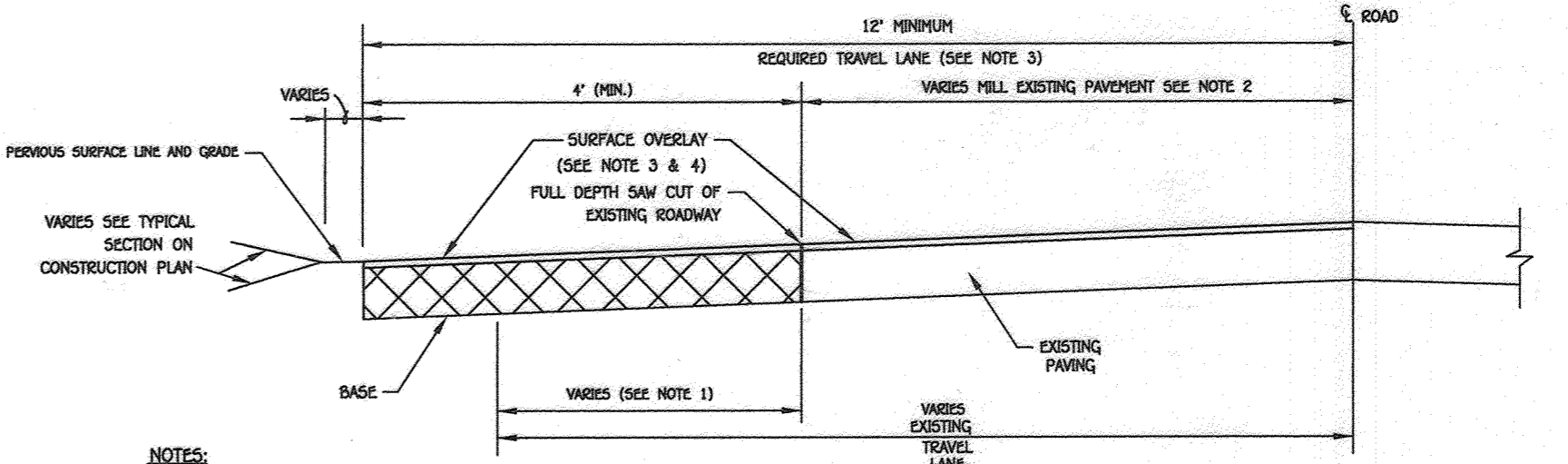
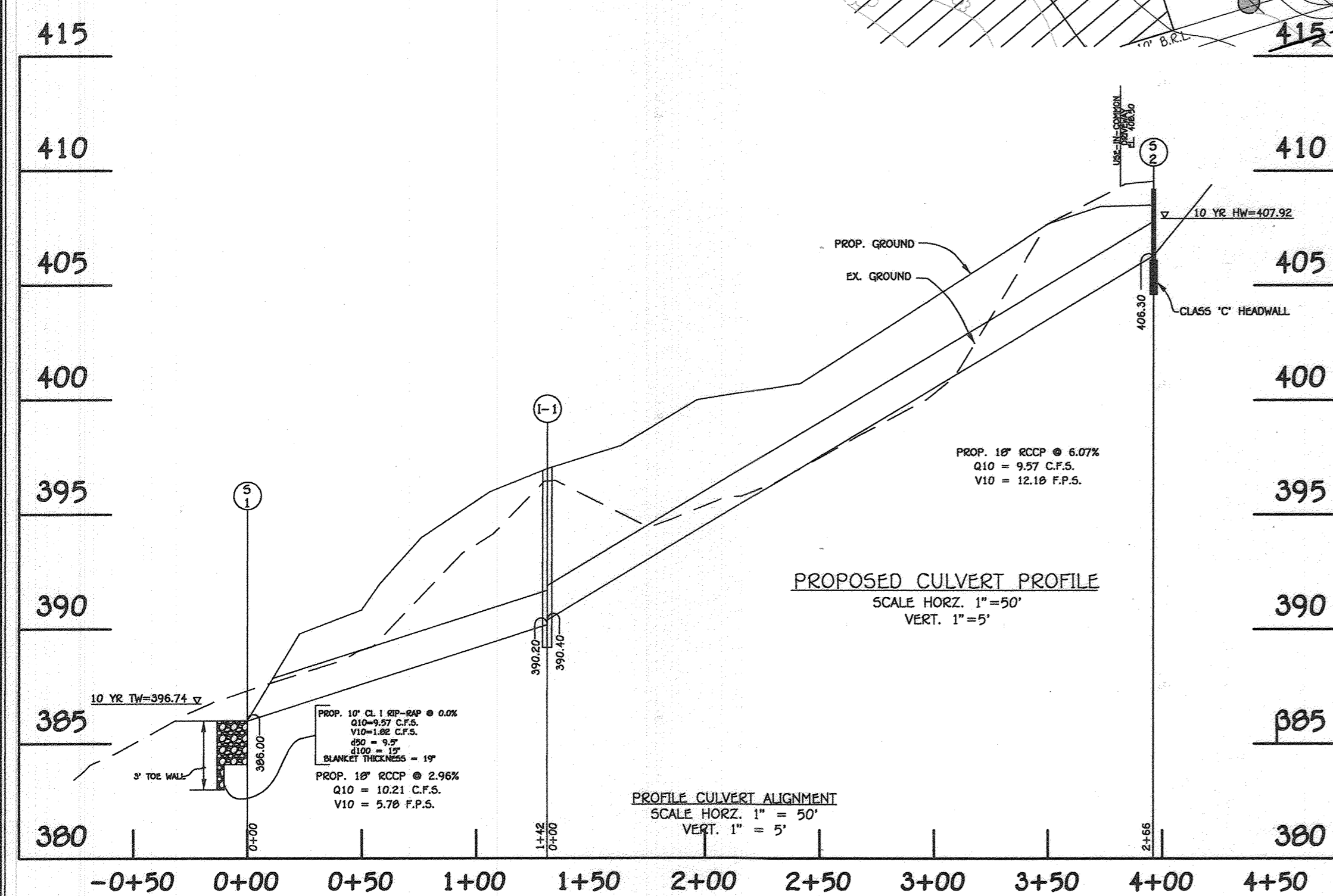


SECTION NUMBER	ROAD AND STREET CLASSIFICATION	CALIFORNIA BEARING RATIO (CBR)						
		3 TO <5	5 TO <7	7 TO <9	9 TO <15	15 TO <27	27	
P-1	PARKING BAYS, RESIDENTIAL AND NON-RESIDENTIAL PARKING DRIVE ASPILES, RESIDENTIAL AND NON-RESIDENTIAL WITH NO MORE THAN 10 HEAVY TRUCKS PER DAY	PAVEMENT MATERIAL (INCHES)						
		HMA SUPERPAVE FINAL SURFACE 9.5 MM PG 64-22, LEVEL 1 (ESAL)	1.5	1.5	1.5	1.5	1.5	1.5
		HMA SUPERPAVE INTERMEDIATE SURFACE N/A	N/A	N/A	N/A	N/A	N/A	N/A
		HMA SUPERPAVE BASE 19.0 MM PG 64-22, LEVEL 1 (ESAL)	2.0	2.0	2.0	3.5	3.0	2.5
P-3	PARKING DRIVE ASPILES, RESIDENTIAL AND NON-RESIDENTIAL WITH NO MORE THAN 10 HEAVY TRUCKS PER DAY LOCAL ROADS ACCESS PLACE, ACCESS STREET CUL-DE-SACS RESIDENTIAL MINOR COLLECTORS RESIDENTIAL	PAVEMENT MATERIAL (INCHES)						
		HMA SUPERPAVE FINAL SURFACE 9.5 MM PG 64-22, LEVEL 1 (ESAL)	1.5	1.5	1.5	1.5	1.5	1.5
		HMA SUPERPAVE INTERMEDIATE SURFACE 9.5 MM PG 64-22, LEVEL 1 (ESAL)	1.0	1.0	1.0	1.0	1.0	1.0
		HMA SUPERPAVE BASE 19.0 MM PG 64-22, LEVEL 1 (ESAL)	3.0	3.0	3.0	4.5	3.0	2.0
		GRADED AGGREGATE BASE (GAB)						
		10.0	6.0	3.0	6.0	6.0	6.0	

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PROFILE
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'



Portion Of Existing Driveway To Be Abandoned At Such Time As The Existing House Is Removed And A New House Constructed On Buildable Preservation Parcel 'A'. Existing Driveway Access Recorded In Liber 4120, Folio 64B And Liber 202, Folio 492 To Buildable Preservation Parcel 'A' Will Also Be Abandoned When A New House Is Constructed On Buildable Preservation Parcel 'A'.

PROPOSED FRONTAGE IMPROVEMENTS PER HOWARD COUNTY STANDARD DETAIL 2-1.1.B.1 & R-1.0B VOLUME IV

DRIVEWAY ENTRANCE PER HOWARD COUNTY STANDARD DETAIL 2-6.06 VOLUME IV

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

- A. Soil Preparation
1. Temporary Stabilization
a. Seeded preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment...

Topsoiling

- 1. Topsoiling is defined as the process of applying a thin layer of topsoil to the surface of an area where the topsoil has been removed or is deficient...

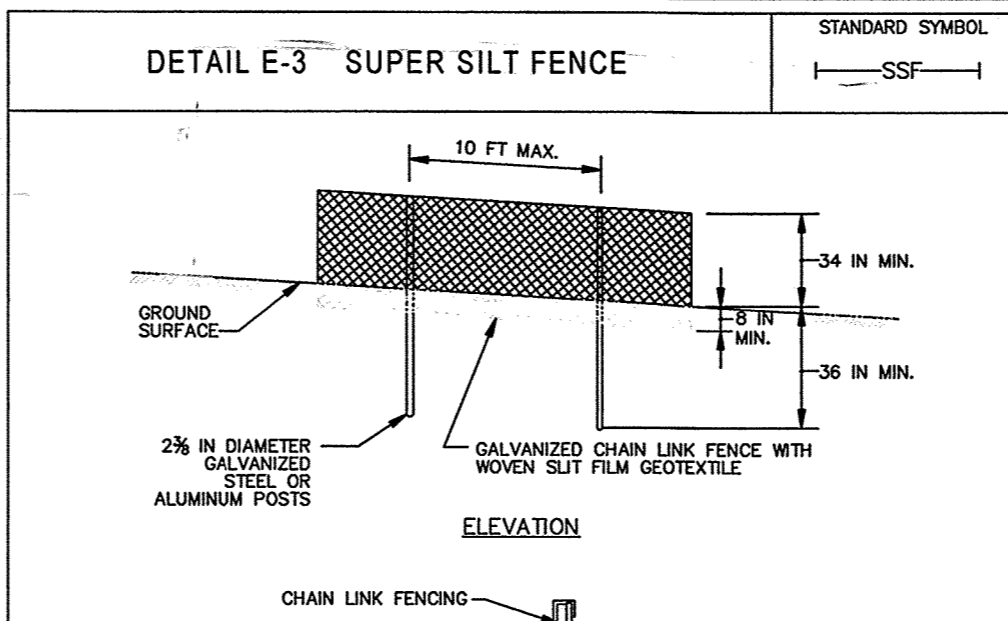
PERMANENT SEEDING NOTES (B-4-3)

- A. Seed Mixture
1. General Use
a. Select one or more of the species or mixtures listed in Table B.1 for the appropriate Plant Hardiness Zone...

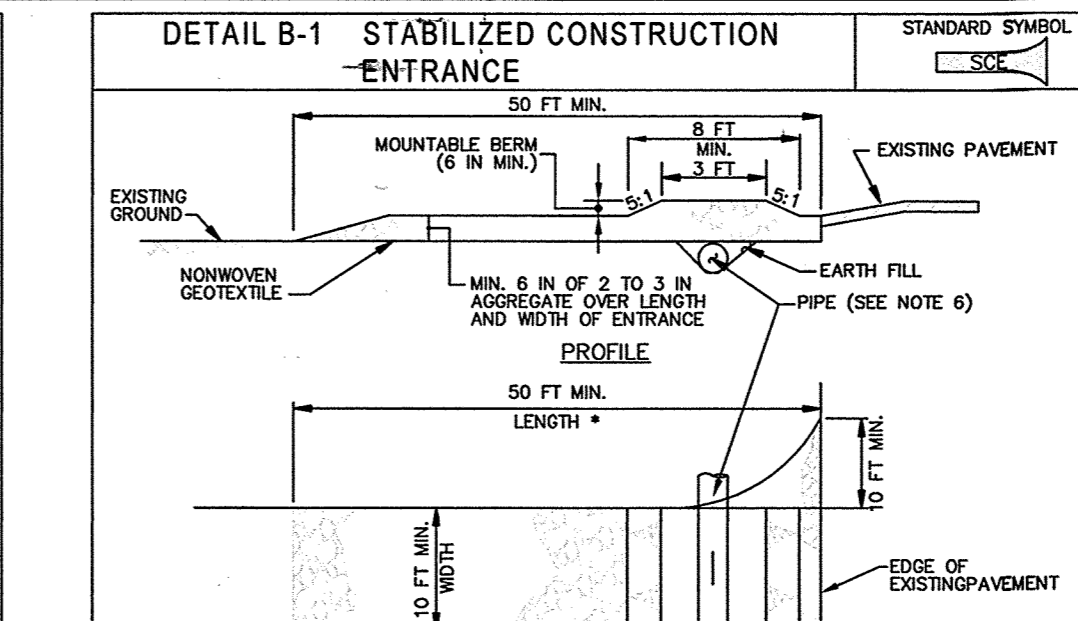
STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING (B-4-3)

- 1. Definition
The application of seed and mulch to establish vegetative cover.
2. Purpose
To protect disturbed soils from erosion during and at the end of construction.

- A. Seeding
1. Specifications
a. All seed must meet the requirement of the Maryland State Seed Law. All seed must be subject to re-testing by a recognized seed laboratory...



CONSTRUCTION SPECIFICATIONS
1. INSTALL 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART...

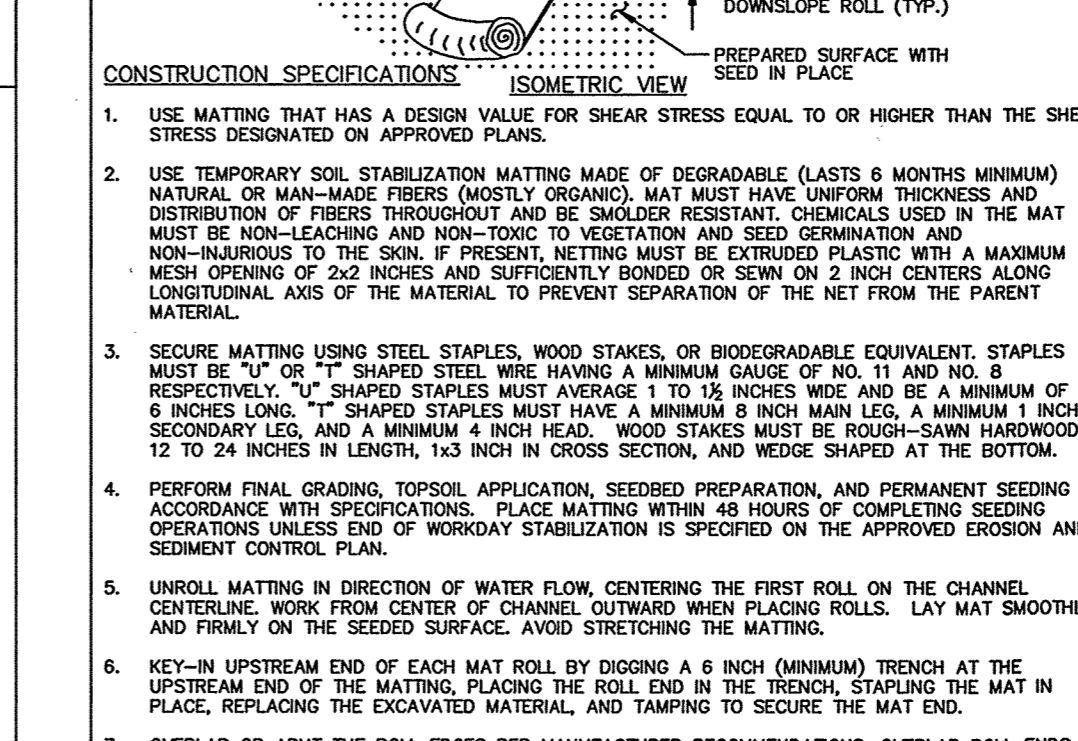


CONSTRUCTION SPECIFICATIONS
1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE...

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMITS (2 WEEKS)
2. NOTIFY "MHS UTILITY" AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-253-7777...

Table with 4 columns: LOT NO., STREET ADDRESS, CISTERN M-5 (Y/N), MICRO BIO-RETENTION M-6 (Y/N), NON-ROOFTOP DISCONNECTION N-2 (Y/N), ROOFTOP DISCONNECTION N-1 (Y/N)



CONSTRUCTION SPECIFICATIONS
1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.

ENGINEER'S CERTIFICATE

I hereby certify that the plan for Erosion and Sediment Control... Represents a Practical and Workable Plan Based On My Personal Knowledge...

DEVELOPER'S CERTIFICATE

I/We Certify That All Development And Construction Will Be Done According To This Plan Of Development And Plans For Erosion And Sediment Control...

Approved: This Development Is Approved For Erosion And Sediment Control By The Howard Soil Conservation District.
Signature of Developer: John R. Blanton, Date: 7/22/15

Table with 3 columns: NO., DESCRIPTION, DATE. Shows sheet 1 as NEW SHEET (4-14-15) and sheet 2 as REVISED SHEET NUMBER (2-7-21).

PERMANENT SEEDING SUMMARY

Table with columns: Species, Application Rate (lb/ac), Seeding Date, Seeding Depth, N, P2O5, K2O, Lime Rate (Tons/Ac).

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-RESTORATION, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN 2 WEEKS...

B-4-8 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA

- 1. A mound or pile of soil protected by appropriately designed erosion and sediment control measures.
2. To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.

HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- 1. A minimum of 48 hours notice must be given to the HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (310-1095).

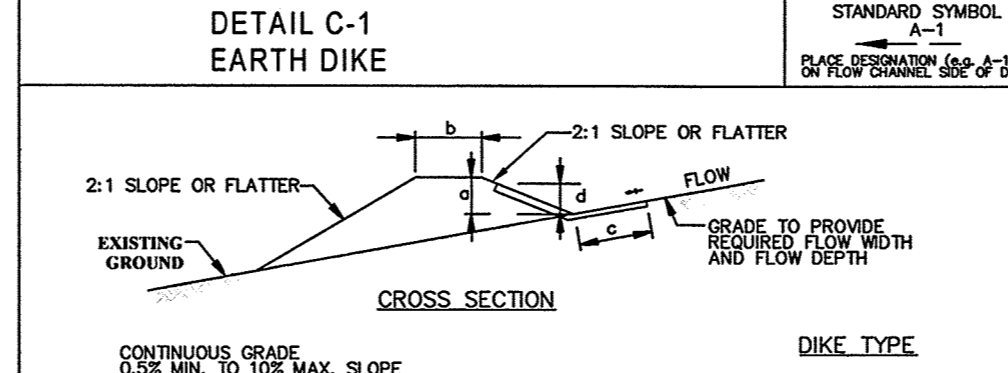


Table with columns: DIKE TYPE, DIKE HEIGHT, DIKE WIDTH, DIKE LENGTH, DIKE DEPTH.

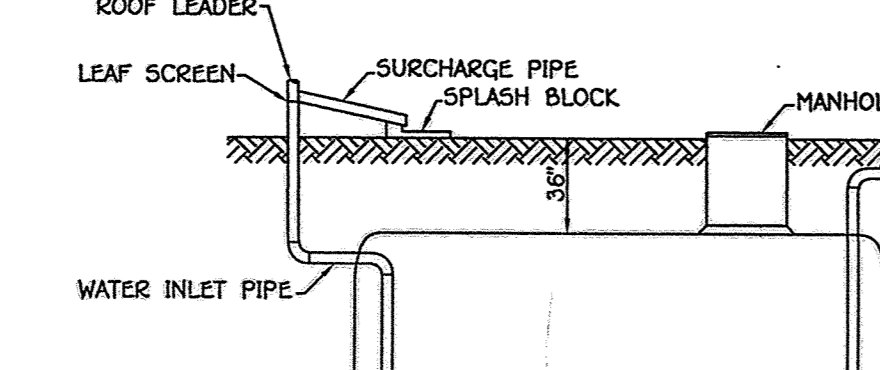
FLOW CHANNEL STABILIZATION
A-1 SEED WITH STRAW MULCH AND TACK, NOT ALLOWED FOR CLEAR WATER OVERFLOW.

OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED RAINWATER HARVESTING (M-1)

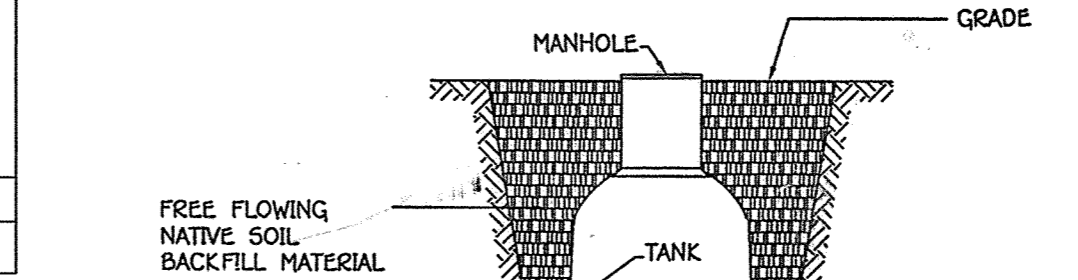
COLLECTION TANK CHART table with columns: LOT NO., LOCATION, AREA OF ROOF PER DOWNSPOUT, VOLUME STORAGE, AREA OF TREATMENT, NO. OF TANKS, DIA X L = GAL.

STORMWATER MANAGEMENT NOTES

- 1. STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH CHAPTER 5, ENVIRONMENTAL SITE DESIGN OF THE 2007 MARYLAND CONSTRUCTION MANAGEMENT DESIGN MANUAL, EFFECTIVE MAY 4, 2010.



OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED RAINWATER HARVESTING (M-1)
A. THE OWNER SHALL EMPTY BARRELS ON A MONTHLY BASIS AND CLEAN BARREL WITH A...



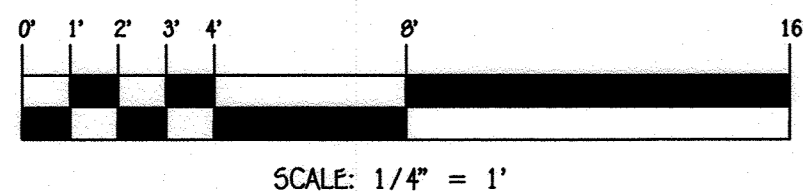
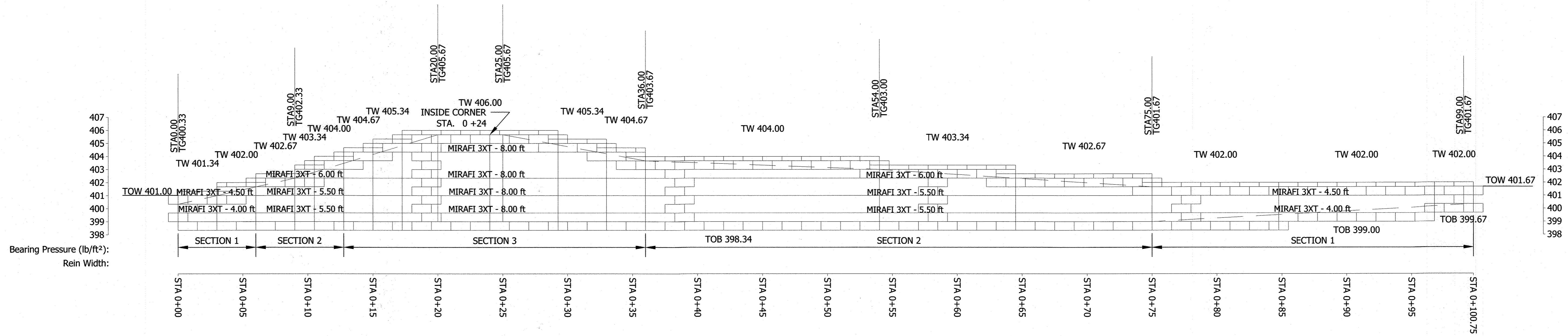
CONSTRUCTION SPECIFICATIONS
1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.

SEDIMENT & EROSION CONTROL NOTES AND DETAILS

Dustin's Golden Fields
Lots 5 Thru 9, Buildable Preservation Parcel 'A' And Non-Buildable Preservation Parcels 'B', 'C' & 'D'
A Resubdivision of Lot 4, As Shown On Plans Entitled "Dustin Property, Lots 1 Thru 4" And Recorded Among The Land Records of Howard County, Maryland As Plot No. 19666 Thru...

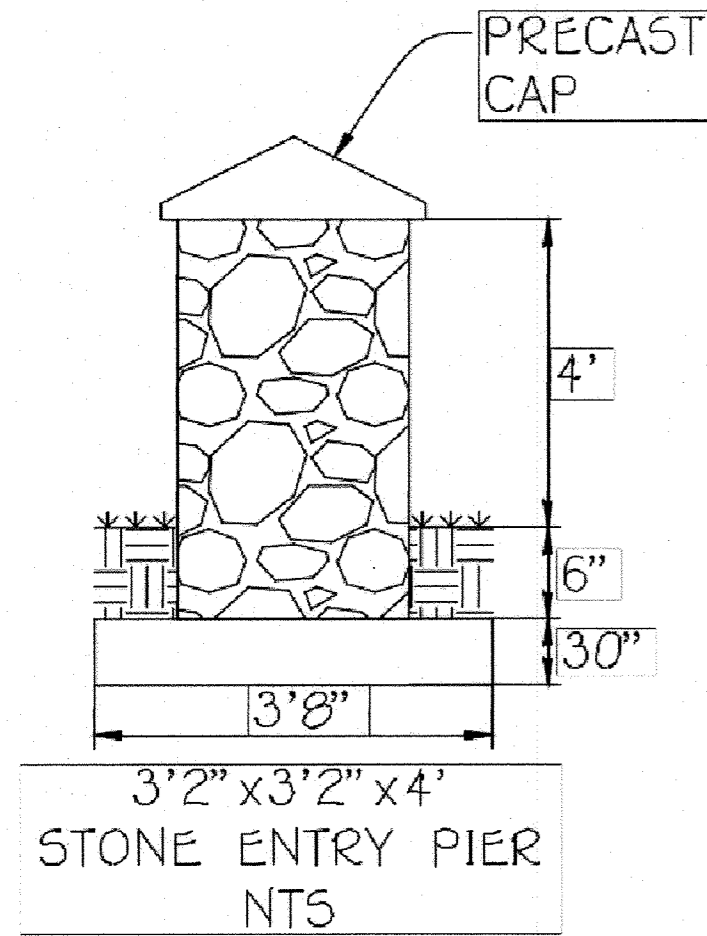
FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS. 11903 Little Kila Road, Fulton, Maryland 20759-9616

REVISIONS		
NO.	DESCRIPTION	DATE
1	ADD AS-BUILT ENTRANCE, <i>Ret. Walls</i> , AND REVISE SHEET NUMBERS	2/17/2021



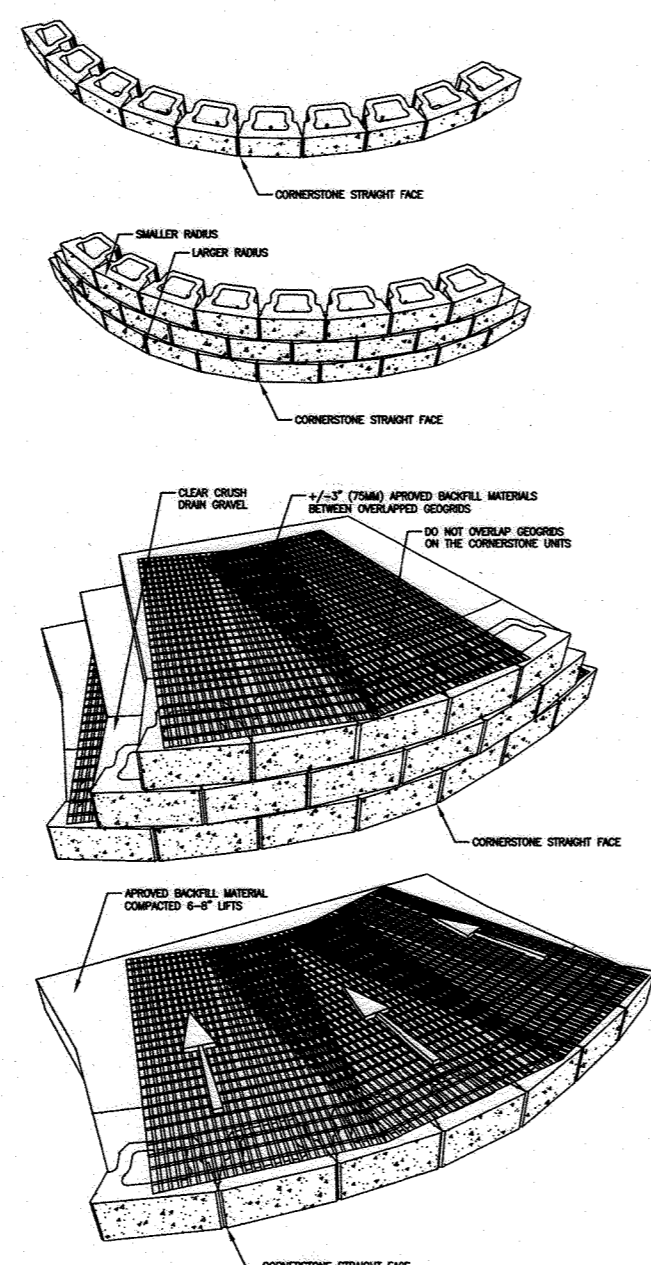
RETAINING WALL ELEVATION

Scale: 1/4" = 1'-0"



CORNERSTONE 100

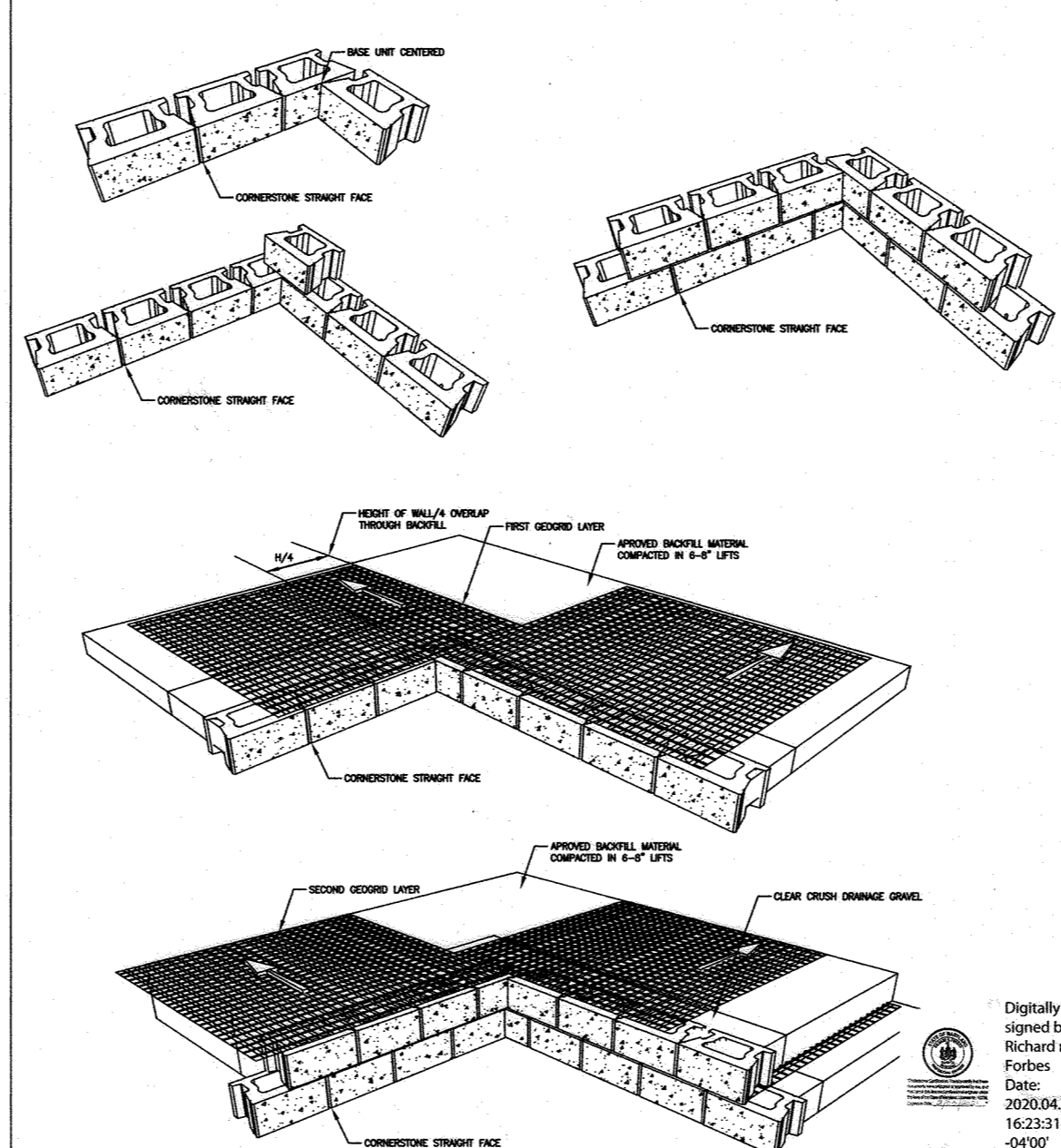
>>>CONVEX/OUTSIDE CURVES



Digitally signed by Richard r Forbes
Date: 2020.04.10 16:23:46 -04'00'

CORNERSTONE 100

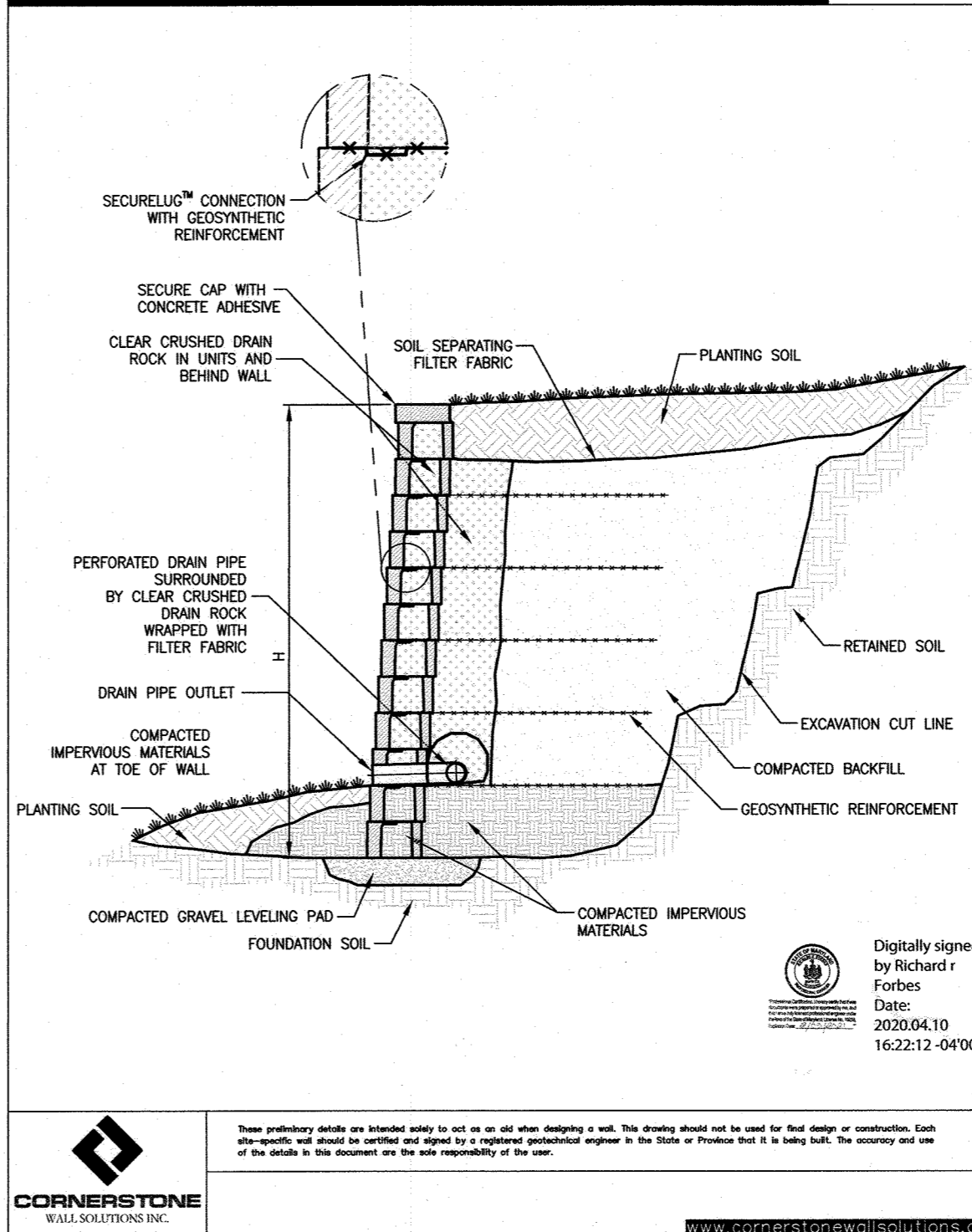
>>>INSIDE CORNER



Digitally signed by Richard r Forbes
Date: 2020.04.10 16:23:31 -04'00'

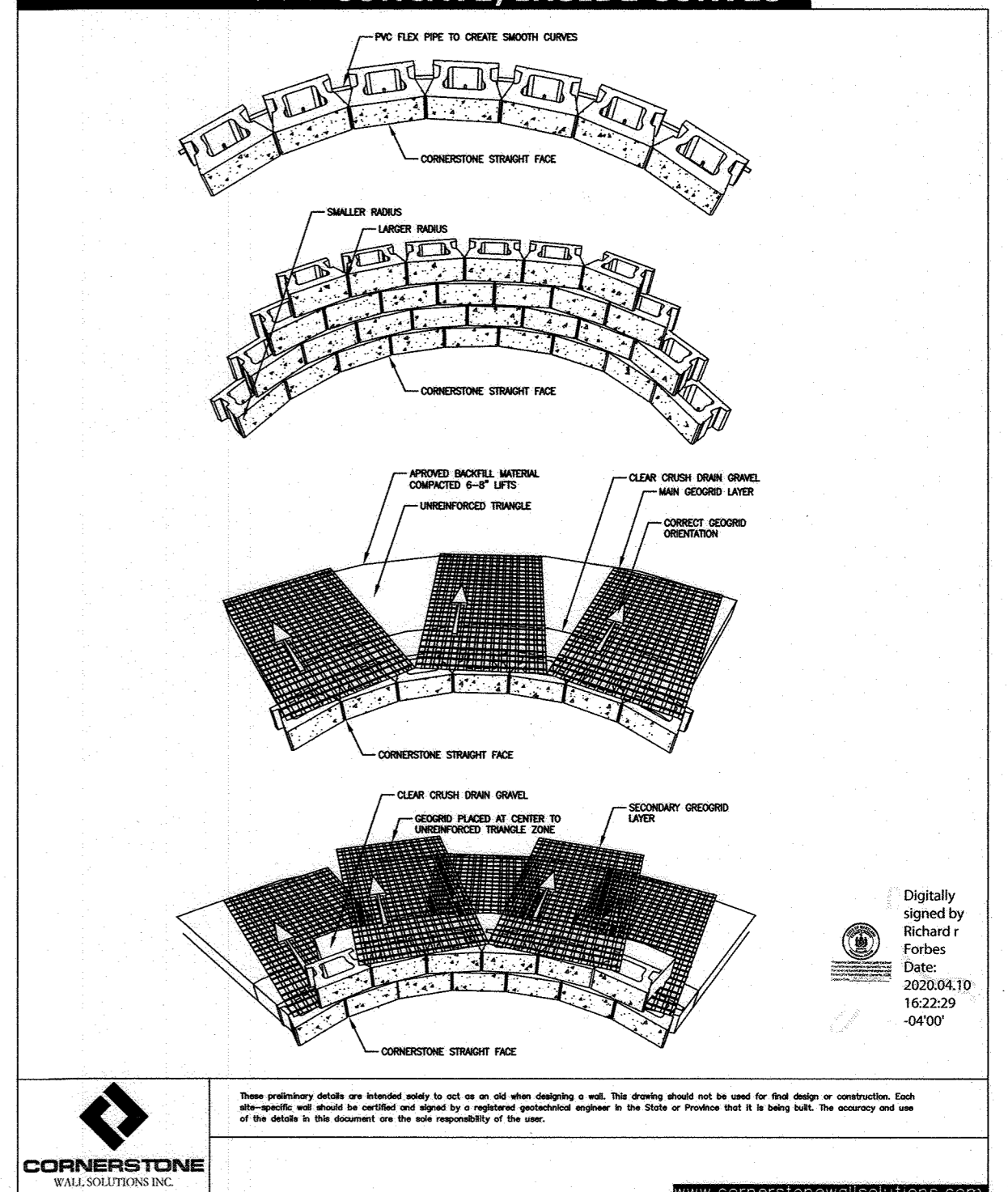
CORNERSTONE 100

>>>GEOGRID REINFORCED



CORNERSTONE 100

>>>CONCAVE/INSIDE CURVES

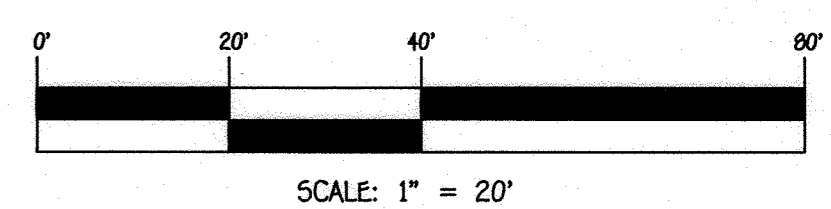
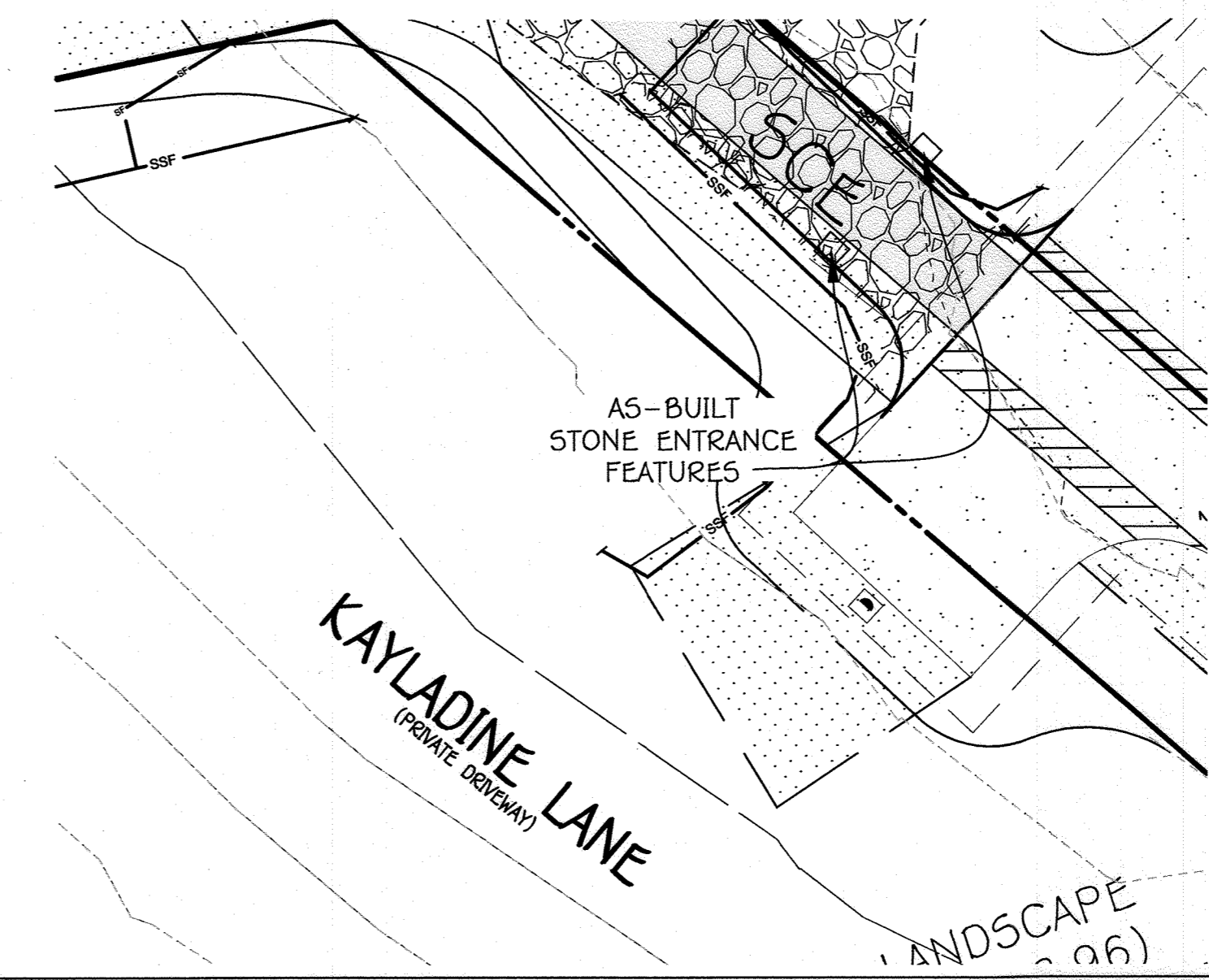
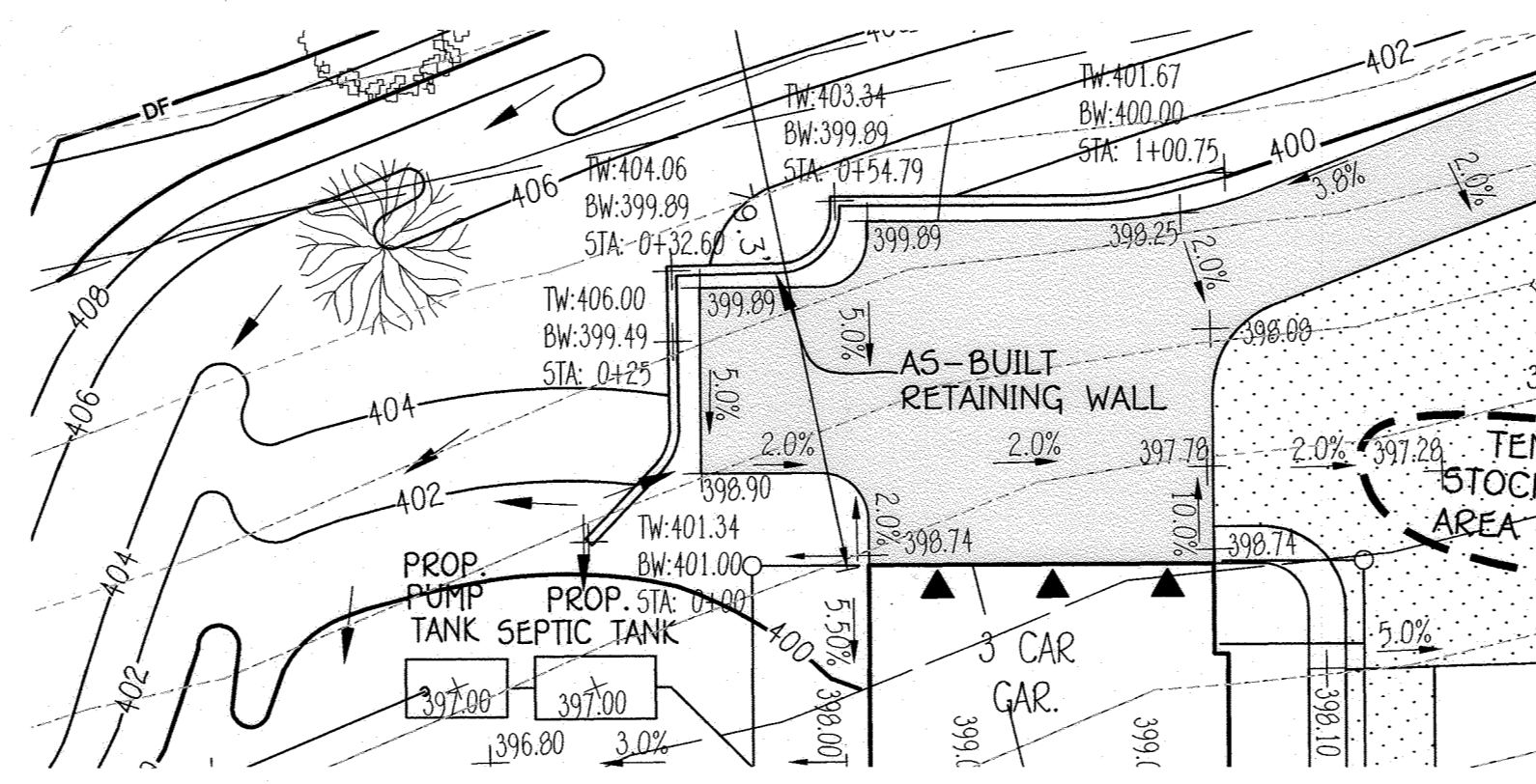


Digitally signed by Richard r Forbes

APPROVED: DEPARTMENT OF PUBLIC WORKS	
<i>James</i> CHIEF, BUREAU OF HIGHWAYS	04/23/2021 DATE
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>MK</i> CHIEF, DIVISION OF LAND DEVELOPMENT	5/1/21 DATE
<i>WJH</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	4/22/21 DATE

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RETAINING WALL DETAIL & NOTES
Dustin's Golden Fields
Lots 5 Thru 9, Buildable Preservation Parcel 'A' And Non-Buildable Preservation Parcels 'B', 'C' & 'D'
A Resubdivision Of Lot 4, As Shown On Plats Entitled "Dustin Property, Lots 1 Thru 4" And Recorded Among The Land Records Of Howard County, Maryland As Plat No. 19666 Thru 19668.
Zoned: RR-DEO
Tax Map No.: 46 Parcel No.: 103 Grid No.: 1
Fifth Election District, Howard County, Maryland
Date: April 14, 2015
Sheet 6 of 6

FISHER, COLLINS & CARTER, INC.
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-2295