

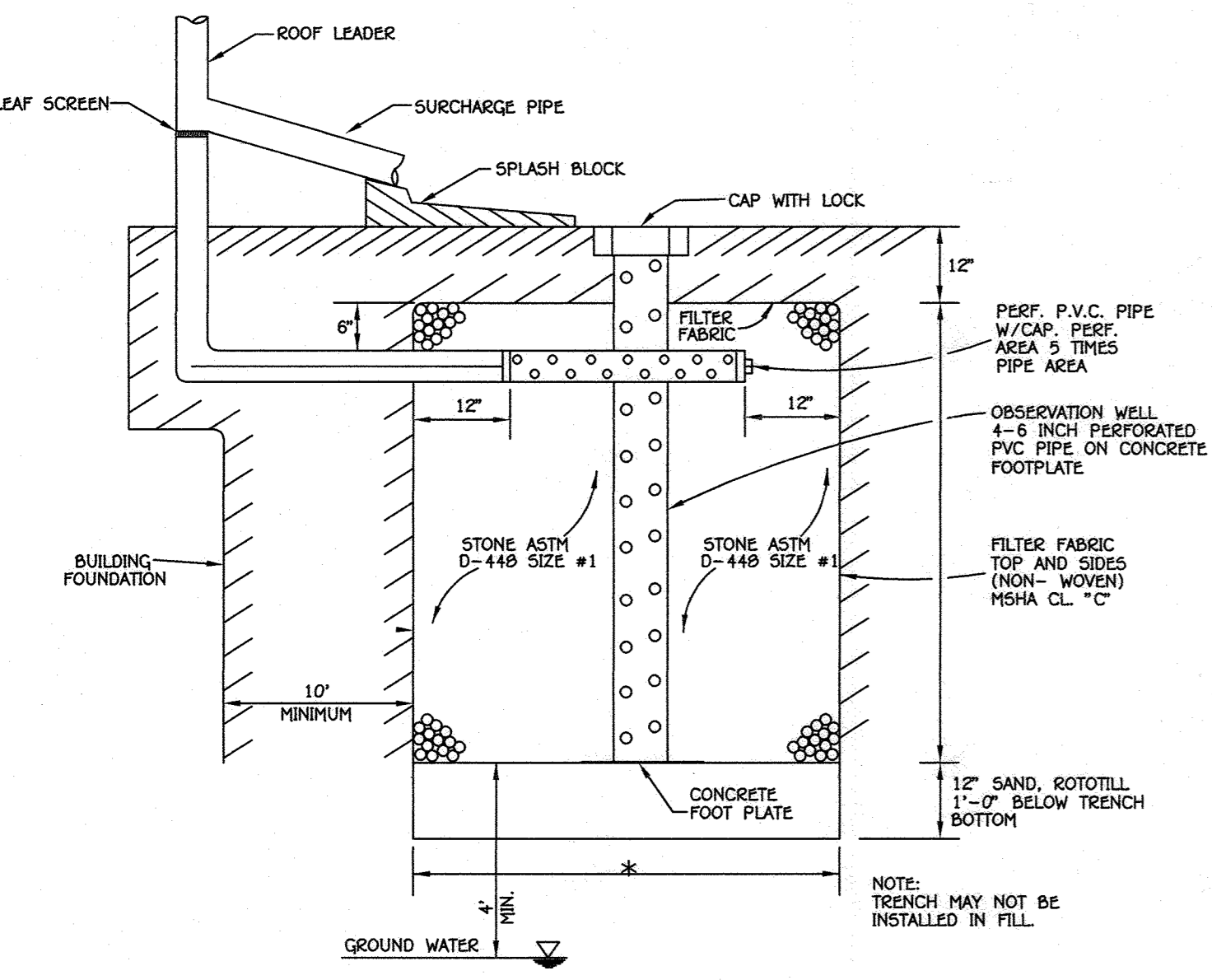
SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ENVIRONMENTAL CONCEPT PLAN
3	NOTES AND DETAILS
4	NOTES AND DETAILS

STORMWATER MANAGEMENT PRACTICES			
PARCEL	ADDRESS	DRYWELLS (M-5) Y/N, NUMBER	PERMEABLE PAVEMENT (A-2) Y/N, NUMBER
572	5865 MAIN STREET	Y-4	Y-1

SOILS LEGEND			
SOIL	NAME	CLASS	K VALUE
CrD	Croom and Evesboro soils, 10 to 15 percent slopes	C	0.37
UcD	Urban land-Chillum-Beltville complex, 5 to 15 percent slopes	C	0.37

HOWARD COUNTY SOILS MAP: RELAY NW QUADRANGLE PAGE 20

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
x362.2	SPOT ELEVATION
---	LIMIT OF DISTURBANCE
---	EXISTING WATER & SEWER UTILITY EASEMENT
---	EXISTING STORM DRAIN
---	EXISTING WATER
---	EXISTING SEWER
---	BUILDING AND DRIVES (TO BE REMOVED)
---	SUPER SILT FENCE
---	SILT FENCE
---	TYPE 'C' SOIL STABILIZATION MATTING
---	TYPE 'D' SOIL STABILIZATION MATTING
---	DIVERSION FENCE
---	A-2 PERMEABLE PAVEMENT
---	DENOTES EXISTING TREES TO BE REMOVED
---	DENOTES EXISTING TREES TO REMAIN
---	PROPOSED DRAINAGE DIVIDE
---	SOIL BOUNDARIES



OPERATION AND MAINTENANCE SCHEDULE FOR DRYWELLS (M-5)

- THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AFTER EVERY HEAVY STORM EVENT.
- THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
- THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
- WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN A SEVENTY TWO (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
- ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

STORMWATER MANAGEMENT NOTES

- STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER DESIGN MANUAL.
- MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE LESS THAN 1,000 SQ. FT.
- DRYWELLS SHALL BE PROVIDED AT LOCATIONS WHERE THE LENGTH OF DISCONNECTION IS LESS THAN 75' AT 5% THE SIZE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE FIGURE 5.2 OF THE MANUAL AND THE DETAIL SHOWN ON THIS SHEET.
- FINAL GRADING IS SHOWN ON THIS ENVIRONMENTAL CONCEPT PLAN.

DRY WELL CHART						
LOT NO.	AREA OF ROOF PER DRYWELL	VOLUME REQUIRED	VOLUME PROVIDED	AREA OF TREATMENT	*L	REMARKS
P. 572	500 SQ.FT.	22 CF	96 CF	100%	8' x 6' x 5'	DW 1
P. 572	500 SQ.FT.	22 CF	96 CF	100%	8' x 6' x 5'	DW 2
P. 572	500 SQ.FT.	22 CF	96 CF	100%	8' x 6' x 5'	DW 3
P. 572	500 SQ.FT.	22 CF	96 CF	100%	8' x 6' x 5'	DW 4

ENVIRONMENTAL CONCEPT PLAN

MYERS PROPERTY

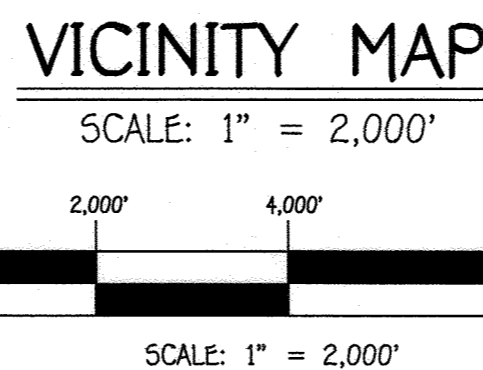
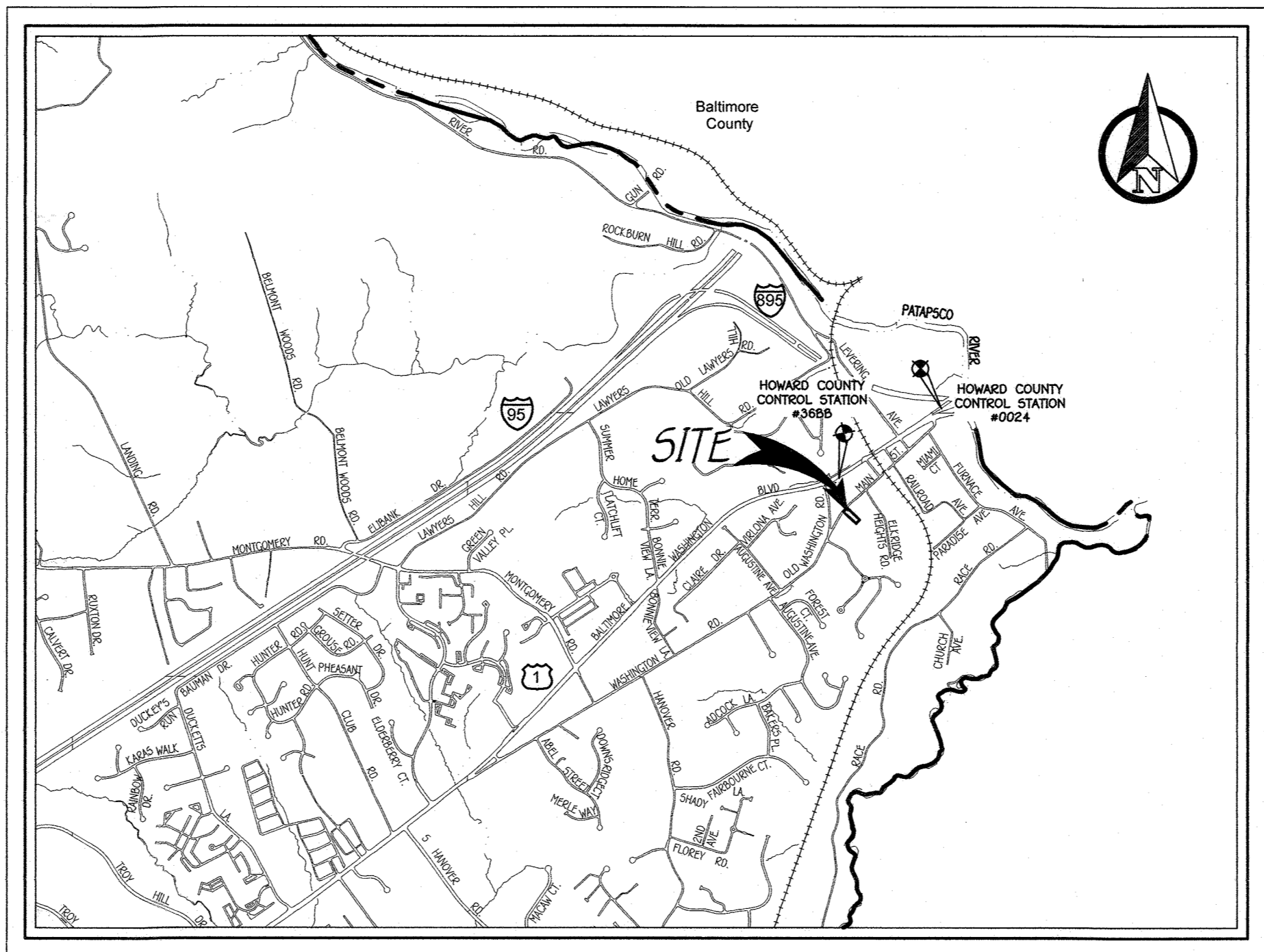
5865 MAIN STREET

ZONING: R-12 (RESIDENTIAL: SINGLE) DISTRICT

TAX MAP No. 38 GRID No. 04 PARCEL No. 572

FIRST ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

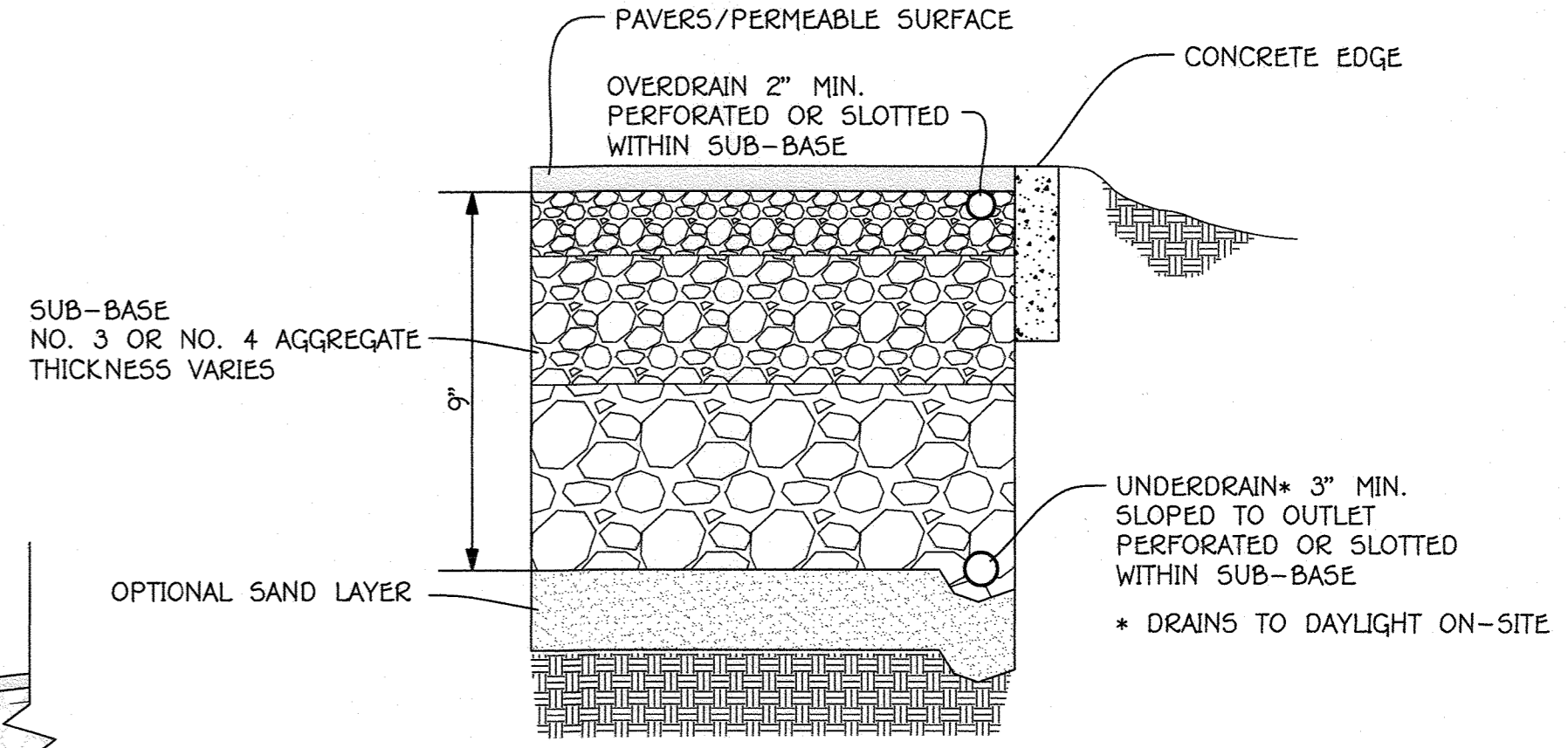


GENERAL NOTES

- THE SUBJECT PROPERTY IS ZONED R-12 (PER 10/06/13 COMPREHENSIVE ZONING PLAN).
- BOUNDARY IS BASED ON A FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS & CARTER ON OR ABOUT MARCH, 2019.
- CONTOURS ARE BASED ON A TOPOGRAPHIC FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS & CARTER, ON OR ABOUT JANUARY, 2019.
- COORDINATES BASED ON NAD'83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 3688 AND NO. 0024:
HOWARD COUNTY MONUMENT NO. 3688 N 564,007.645 E 1,393,649.926 ELEV. 63.65'
HOWARD COUNTY MONUMENT NO. 0024 N 565,065.448 E 1,395,212.167 ELEV. 26.94'
- STORM WATER MANAGEMENT IS IN ACCORDANCE WITH THE M.D.E. STORM WATER DESIGN MANUAL, VOLUMES I & II, REVISED 2009. THIS PLAN PROPOSES THE USE OF FOUR (4) M-5 DRYWELL FACILITIES, AND A-2 PERMEABLE PAVEMENT.
- THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. PUBLIC WATER AND SEWER WILL BE UTILIZED FOR THIS PROJECT.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100 YEAR FLOODPLAIN.
- THERE ARE NO WETLANDS, STREAMS OR THEIR BUFFERS LOCATED WITHIN THE BOUNDARY OF THIS SITE.
- LANDSCAPING WILL BE PROVIDED AT THE FINAL PLAN STAGE OF THIS PROJECT.
- THE SITE IS UNDER 40,000 SQ. FT. THEREFORE THIS SITE IS EXEMPT FROM FOREST CONSERVATION OBLIGATIONS.
- REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE PRELIMINARY EQUIVALENT SKETCH PLAN AND FINAL PLAN STAGE. THEREFORE, THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED COMMENTS (INCLUDING THOSE THAT MAY ALTER OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES.
- APPROVAL OF THIS ECP DOES NOT CONSTITUTE APPROVAL OF SUBSEQUENT OR ASSOCIATED SUBDIVISION OR SITE DEVELOPMENT PLANS OR RED-LINE REVISIONS. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN, SITE DEVELOPMENT PLAN, OR RED-LINE REVISION PROCESSES. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THE PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.
- THE EXISTING SHED ON THIS SITE IS NOT A HISTORIC STRUCTURE. THE PLANS HAVE BEEN SUBMITTED TO HPC FOR ADVISORY COMMENTS DUE TO THE HISTORIC STRUCTURE THAT HAS BEEN REMOVED FROM THE PROPERTY. ALL HPC RECOMMENDATIONS HAVE BEEN PROVIDED TO THE CLIENT.
- A WAIVER FOR PERMEABLE PAVEMENT SLOPE HAS BEEN SUBMITTED ON JANUARY 28, 2022 AND WAS APPROVED ON MARCH 21, 2022. AN ADDITIONAL WAIVER FOR A SIGHT DISTANCE STUDY HAS BEEN SUBMITTED AND IS PENDING APPROVAL.
- A GEOTECHNICAL INVESTIGATION WILL BE PERFORMED, AND INCLUDED WITH SWM REPORT AT 50P STAGE.

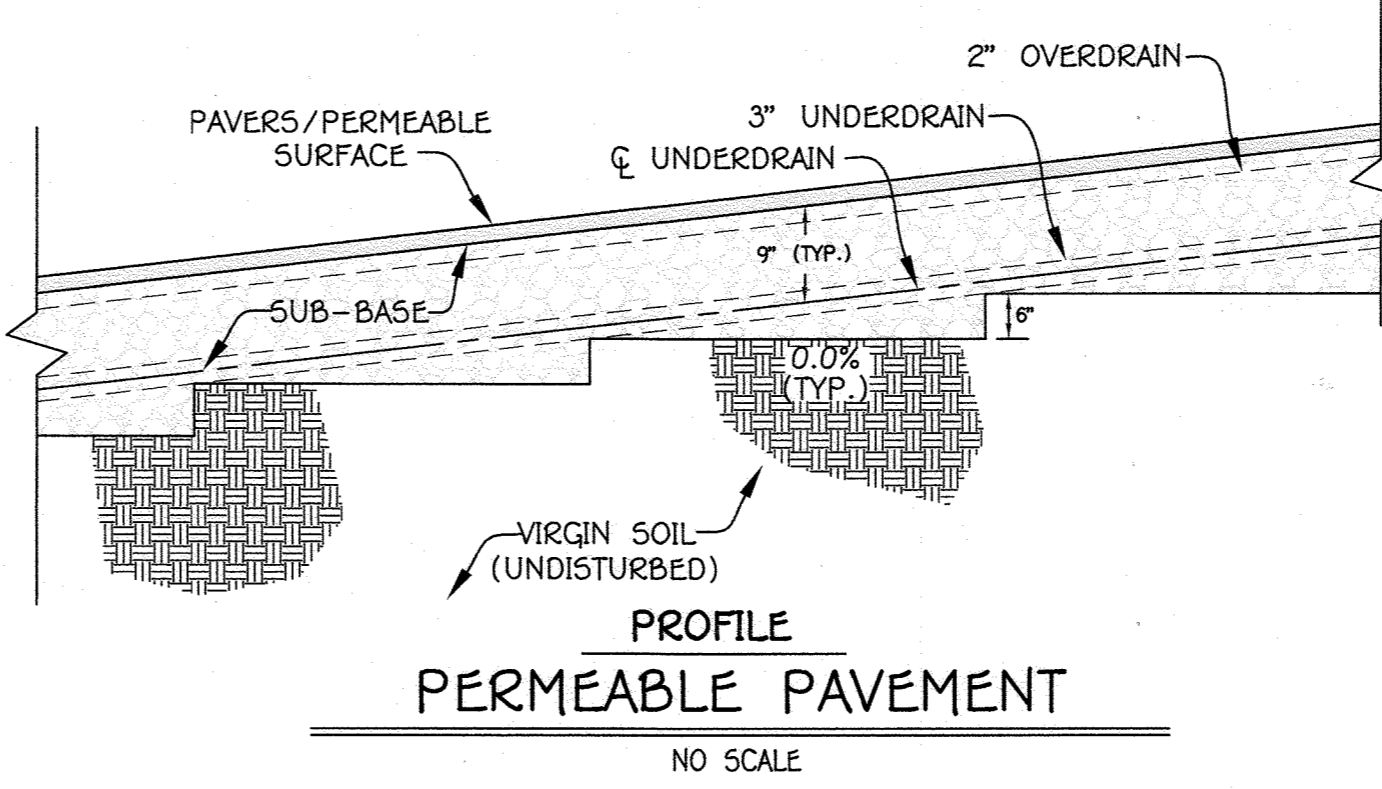
SITE ANALYSIS DATA CHART

- TOTAL AREA OF THIS SUBMISSION = 0.46 AC.±
- LIMIT OF DISTURBED AREA = 0.28 AC.± (SWM BASED ON LOD)
- PRESENT ZONING DESIGNATION = R-12 (PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
- PROPOSED USE: RESIDENTIAL SINGLE FAMILY DETACHED
- PREVIOUS HOWARD COUNTY FILES: N/A
- TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0 AC
- TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0 AC
- TOTAL AREA OF SLOPES IN EXCESS OF 25% = 0 AC
- TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0 AC
- TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0 AC
- TOTAL AREA OF EXISTING FOREST = 0 AC
- TOTAL AREA OF FOREST TO BE RETAINED = 0 AC
- TOTAL AREA OF LOTS / BUILDABLE PARCELS = 0.46 AC±
- TOTAL GREEN OPEN AREA (PERVIOUS) = 0.39 AC±
- TOTAL IMPERVIOUS AREA (EXCLUDES EXISTING IMPERVIOUS) = 0.08 AC (WITHIN LOD)
- TOTAL AREA OF ERODIBLE SOILS = 0 AC±



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

- The owner shall periodically sweep (or vacuum porous concrete pavement) the pavement surfaces to reduce sediment accumulation and insure 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.
- The owner shall periodically clean drainage pipes, inlets, stone edge drains and other structures within or draining to the subsurface.
- The owner shall use deicers in moderation. Deicers should be non-toxic and be applied either as calcium magnesium acetate or as pre-treated salt.
- The owner shall ensure snow plowing is performed carefully with blades set one inch above the surface. Plowed snow piles and snowmelt should not be directed to permeable pavement.



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21102
(410) 461-2295

Approved: Department Of Planning And Zoning
Chief, Development Engineering Division
Chief, Division Of Land Development

Date: 7/14/22
Date: 7/14/22



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. 27020, EXPIRATION DATE: 01/25/2024.

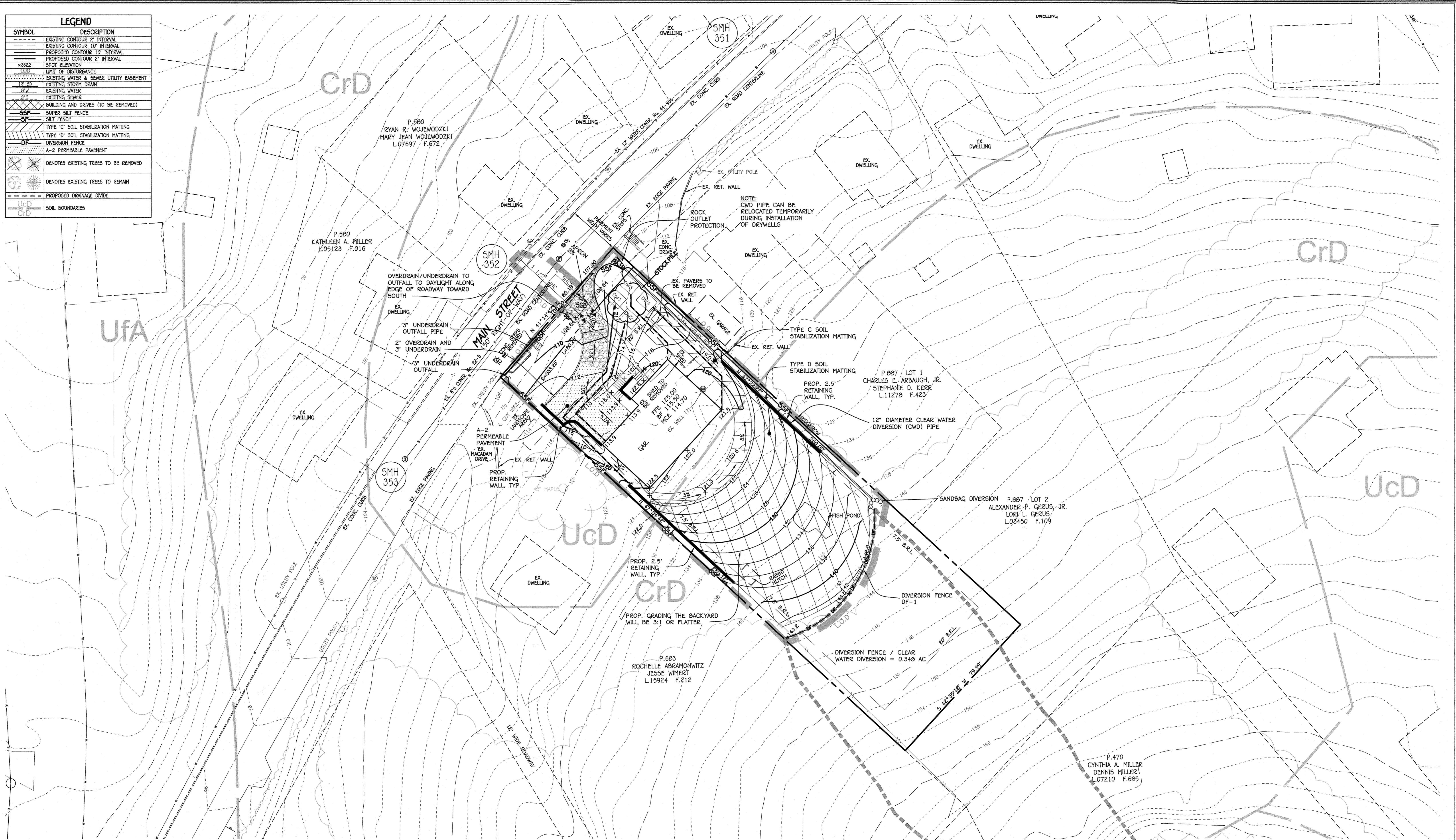
PAUL G. SVANHUGH
DATE: July 1, 2022

OWNER
HS HOMEBUILDER LLC
5865 MAIN ST
ELKRIDGE, MARYLAND 21075

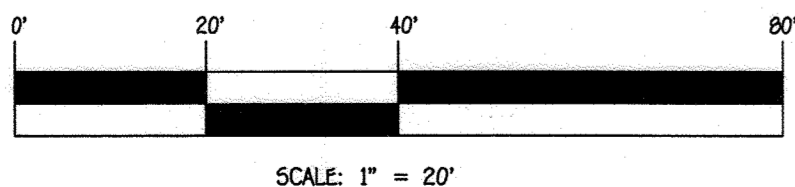
DEVELOPER
MR. SURINDER SINGH
BABU HOMES LLC
10610 WARBURTON CT
ELLCOTT CITY, MARYLAND 21042
410-350-6333

TITLE SHEET
MYERS PROPERTY
5865 MAIN STREET
ZONING: R-12
TAX MAP 38 GRID 04, PARCEL 572
FIRST ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE AS SHOWN JULY, 2022
SHEET 1 OF 4

LEGEND	
SYMBOL	DESCRIPTION
	EXISTING CONTOUR 2' INTERVAL
	EXISTING CONTOUR 10' INTERVAL
	PROPOSED CONTOUR 10' INTERVAL
	PROPOSED CONTOUR 2' INTERVAL
	SPOT ELEVATION
	LIMIT OF DISTURBANCE
	EXISTING WATER & SEWER UTILITY EASEMENT
	EXISTING STORM DRAIN
	EXISTING WATER
	EXISTING SEWER
	BUILDING AND DRIVES (TO BE REMOVED)
	SUPER SILT FENCE
	SILT FENCE
	TYPE 'C' SOIL STABILIZATION MATTING
	TYPE 'D' SOIL STABILIZATION MATTING
	DIVERSION FENCE
	A-2 PERMEABLE PAVEMENT
	DENOTES EXISTING TREES TO BE REMOVED
	DENOTES EXISTING TREES TO REMAIN
	PROPOSED DRAINAGE DIVIDE
	SOIL BOUNDARIES



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING, CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2995



Approved: Department Of Planning And Zoning
 Chief, Development Engineering Division *JP* 7/19/22 Date
 Chief, Division Of Land Development *OT* 7/19/22 Date



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. 27020, EXPIRATION DATE: 01/25/2024.
Paul G. Conway July 1, 2022 Date

OWNER
 HS HOMEBUILDER LLC
 5865 MAIN ST.
 ELK RIDGE, MARYLAND 21075

DEVELOPER
 MR. SURINDER SINGH
 BABBU HOMES LLC
 10610 WARBURTON CT
 ELLICOTT CITY, MARYLAND 21042
 410-350-6333

**ENVIRONMENTAL CONCEPT PLAN
 MYERS PROPERTY**
 5865 MAIN STREET
 ZONING: R-12
 TAX MAP 38 GR10 04, PARCEL 572
 FIRST ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE AS SHOWN JULY, 2022
 SHEET 2 OF 4

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...
b. Apply fertilizer and lime as prescribed on the plan.
c. Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable means.
d. Permanent Stabilization
1. A soil test is required for any earth disturbance of 5 acres or more...
2. Application
a. Apply mulch to all seeded areas immediately after seeding...

B. Topsoiling

- 1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation...
2. Topsoil salvaged from an existing site may be used provided it meets the standards as set forth in these specifications...
3. Topsoiling is limited to areas having 2:1 or flatter slopes where:
a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth...
4. Areas having slopes steeper than 2:1 require special consideration and design.

- 1. WCFM is to be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate visual inspection...
ii. WCFM, including dye, must contain no germination or growth-inhibiting factors.
iii. WCFM materials are to be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension...
iv. WCFM must conform to the following physical requirements: fiber length of approximately 10 millimeters...
2. Application
a. Apply mulch to all seeded areas immediately after seeding...
3. Anchoring
a. Perform mulch anchoring immediately following application of mulch to minimize loss by wind or water...
b. Synthetic binders such as Acrylic DLR (Agra-Tack), DCA-70, Petrosol, Terra Tex II, Terra Ark or other approved equal may be used...

TEMPORARY SEEDING NOTES (B-4-4)

Definition: To stabilize disturbed soils with vegetation for up to 6 months. Purpose: To use fast growing vegetation that provides cover on disturbed soils. Conditions Where Practice Applies: Exposed soils where ground cover is needed for a period of 6 months or less...

Table with 4 columns: Species, Application Rate (lb/ac), Seeding Dates, Seeding Depths. Rows include Barley, Oats, and Rye with specific application rates and seeding instructions.

Table with 4 columns: Hardness Zone, Species, Application Rate (lb/ac), Seeding Dates, Seeding Depths. Rows include Barley, Oats, and Rye.

PERMANENT SEEDING NOTES (B-4-5)

A. Seed Mixtures

- 1. General Use
a. Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardness Zone...
2. Turfgrass Mixtures
a. Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites...

Table with 2 columns: Total Area and Area to be vegetatively stabilized. Rows include Total Area, Area to be revegetated, and Area to be stabilized.

- 3. For sites having disturbed area over 5 acres, use and show the rates recommended by the soil testing agency...
4. For areas receiving irrigation water, apply urea form fertilizer (46-0-0) at 3 1/2 pounds per 1000 square feet...
5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre...
6. Time and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by disking...

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

The application of seed and mulch to establish vegetative cover. Purpose: To protect disturbed soils from erosion during and at the end of construction. Condition Where Practice Applies: To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

- A. Seedings
1. Specifications
a. All seed must meet the requirement of the Maryland State Seed Law...
b. Mulch alone may be applied between the fall and spring seeding dates only if the ground is frozen...
c. Inoculants: the inoculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria...
2. Application
a. Dry Seeding: This includes use of conventional dry or broadcast spreaders...
b. Hydroseeding: This includes use of hydroseeders (slurry includes seed and fertilizer)...

Table with 5 columns: Hardness Zone, Species, Application Rate (lb/ac), Seeding Dates, Seeding Depths. Rows include TALL FESCUE and other species with application rates and seeding instructions.

B. Sod: To provide quick cover on disturbed areas (2:1 grade or flatter).

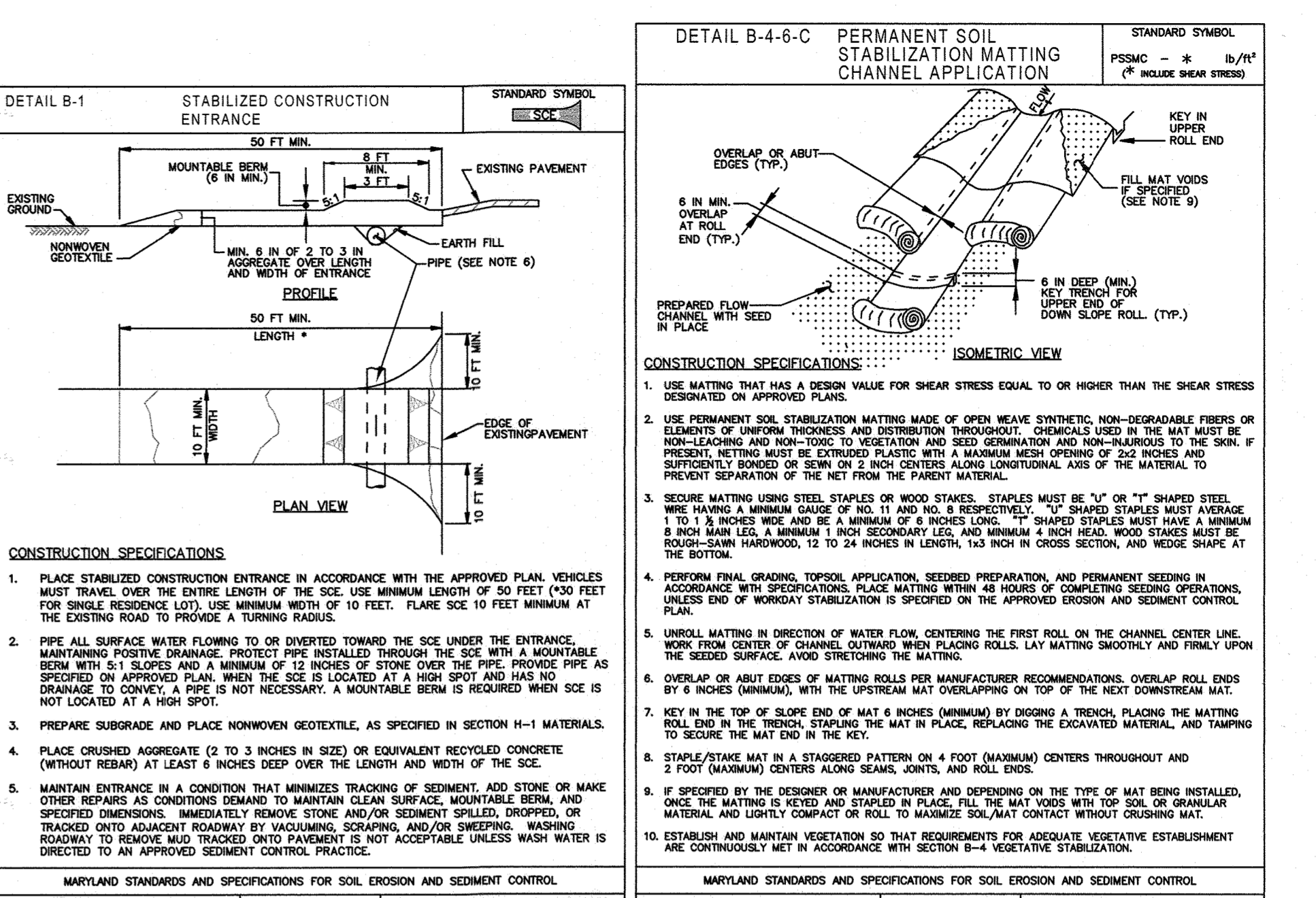
- 1. General Specifications
a. Class of turfgrass and sod must be Maryland State Certified...
b. Sod must be machine cut at a uniform soil thickness of 3/4 inch, plus or minus 1/8 inch...
c. Standard size sections of sod must be strong enough to support their own weight and retain their size and shape when suspended vertically...
2. Sod Installation
a. Lay the first row of sod in a straight line with subsequent rows placed parallel to it and tightly wedged against each other...
3. Sod Maintenance
a. In the absence of adequate rainfall, water daily during the first week or as often and sufficiently as necessary to maintain soil to a depth of 4 inches...

B-4-6 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREAS

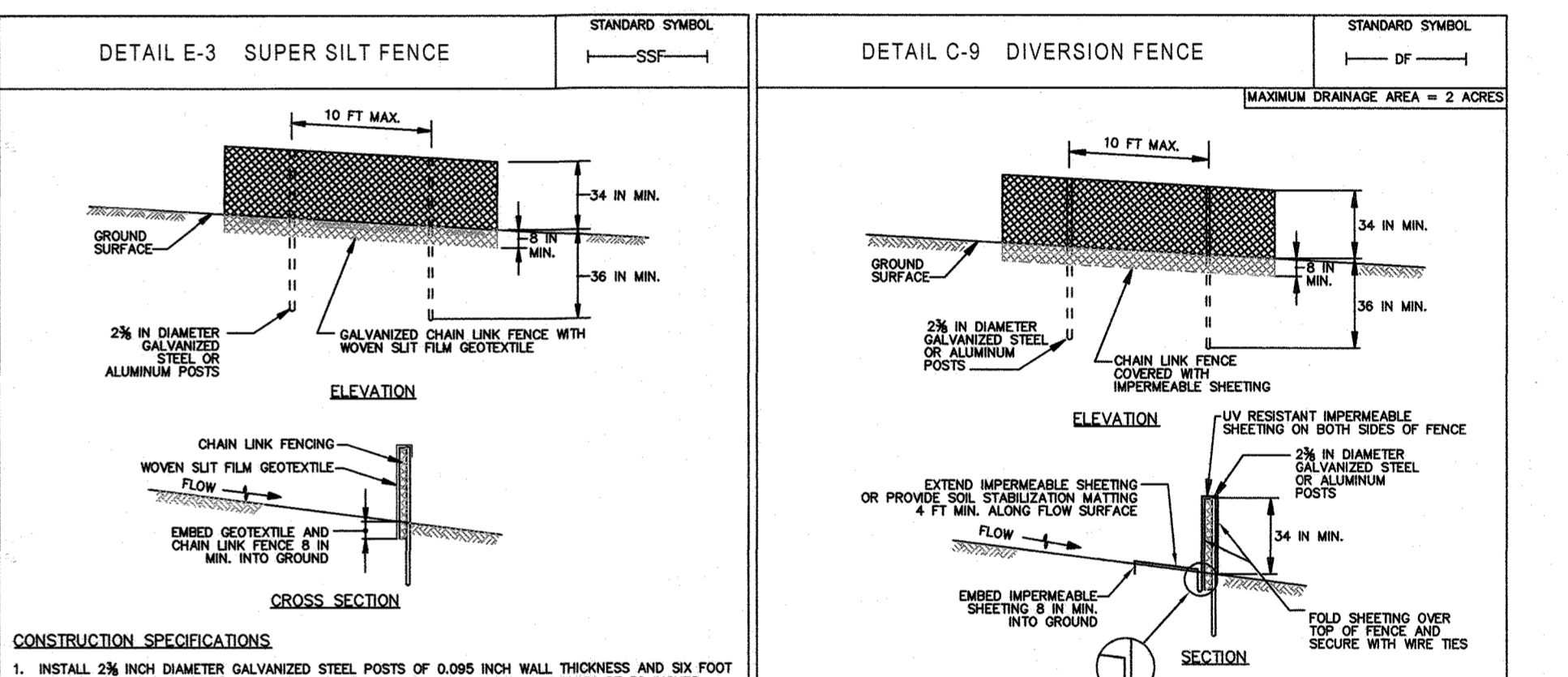
- A round or pile of soil protected by appropriately designed erosion and sediment control measures. Purpose: To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns. Conditions Where Practice Applies: The stockpile areas are utilized when it is necessary to salvage and store soil for later use. Criteria: 1. The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan... 4. The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1...

HOWARD SOIL CONSERVATION DISTRICT (HSCD) STANDARD SEDIMENT CONTROL NOTES

- 1. A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-313-1955 after the future LOD and proposed site plan are submitted to the CID...
2. All vegetative stabilization practices are to be installed in accordance with the provisions of this plan and are to be in conformance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL...
3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization is required within three (3) calendar days to the surface of all perimeter controls...
4. All sediment control structures are to remain in place, and are to be maintained in operative condition until permission for their removal has been obtained from the CID...
5. Site Analysis
Total Area of Site: 0.46 Acres
Area Disturbed: 0.28 Acres
Area to be revegetated: 0.17 Acres
Total Cost: \$800 Du. Yrs.
Total Fee: 0 Du. Yrs.



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE 2011. MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES ADMINISTRATION.



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE 2011. MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES ADMINISTRATION.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN A GRADING PERMIT AND HOLD PRE-CONSTRUCTION MEETING WITH COUNTY INSPECTOR. (14 DAYS)
2. NOTIFY YESS YIELD UNIT AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-227-7777. (7 DAYS)
3. CLEAR AND GRUB AS NECESSARY FOR INSTALLATION OF PERMITS/CONTROLS. (2 DAYS)
4. INSTALL THE STABILIZED CONSTRUCTION ENTRANCE AND SUPER SILT FENCE. (7 DAYS)
5. WITH PERMISSION FROM THE HOWARD COUNTY SEED CONTROL INSPECTOR, BEGIN ROUGH GRAD. (7 DAYS)
6. BEGIN CONSTRUCTION BUILDING, DRIVEWAY, UTILITIES AND DRIVEWAYS/DRIVEWELLS AND PERMISSIBLE PAVEMENT SHALL NOT BE CONSTRUCTED UNTIL ALL CONTROLLING BROWNE AREAS ARE PERMANENTLY STABILIZED. (8 MONTHS)
7. THE GRADE SITE AND INSTALL PERMANENT SEEDING. (15 DAYS)
8. ALL FINAL GRADINGS AND STABILIZATION SHOULD BE COMPLETED BEFORE ANY REMOVAL OF CONTROLS WHEN ALL CONTROLLING AREAS TO THE SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED AND WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, THE SEDIMENT CONTROL DEVICES MAY BE REMOVED. (3 DAYS)

Table with 2 columns: No. and Description. Rows include 1. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE EACH RAINFALL AND ON A DAILY BASIS.



FISHER, COLLINS & CARTER, INC. CIVIL, ENGINEERING, CONSULTANTS & LAND SURVEYORS. CENTENNIAL SQUARE OFFICE PARK - 10372 BALTIMORE NATIONAL PLACE. ELICOTT CITY, MARYLAND 21042. (410) 461-2895. Approved: Department of Planning And Zoning. Chief, Engineering Division. Date: 7/14/22. Chief, Division Of Land Development. Date: 7/14/22.



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. 29258, EXPIRATION DATE: 01/25/2027.

OWNER: HS HOMEBUILDER LLC, 5665 MAIN STREET, ELK RIDGE, MARYLAND 21075. DEVELOPER: MR. SURINDER SINGH, 10610 WARBURTON CT, ELICOTT CITY, MARYLAND 21042. 410-350-6333.

NOTES & DETAILS MYERS PROPERTY 5665 MAIN STREET. ZONING: R-12. TAX MAP 38 GRID 04, PARCEL 572. FIRST ELECTION DISTRICT, HOWARD COUNTY, MARYLAND. SCALE AS SHOWN JULY, 2022. SHEET 3 OF 4. ECP-22-009

PIPE SLOPE DRAIN

NOT TO SCALE

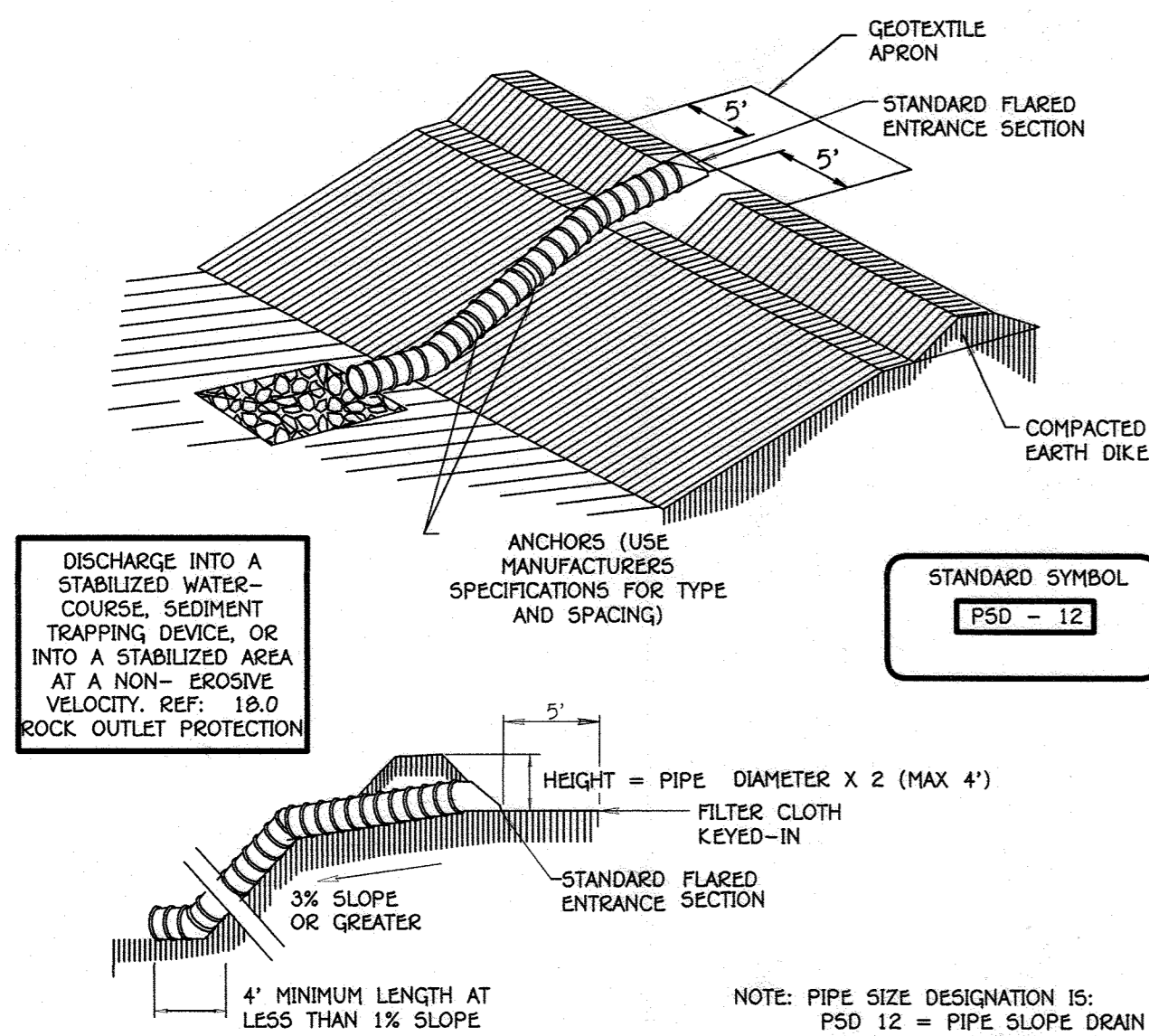


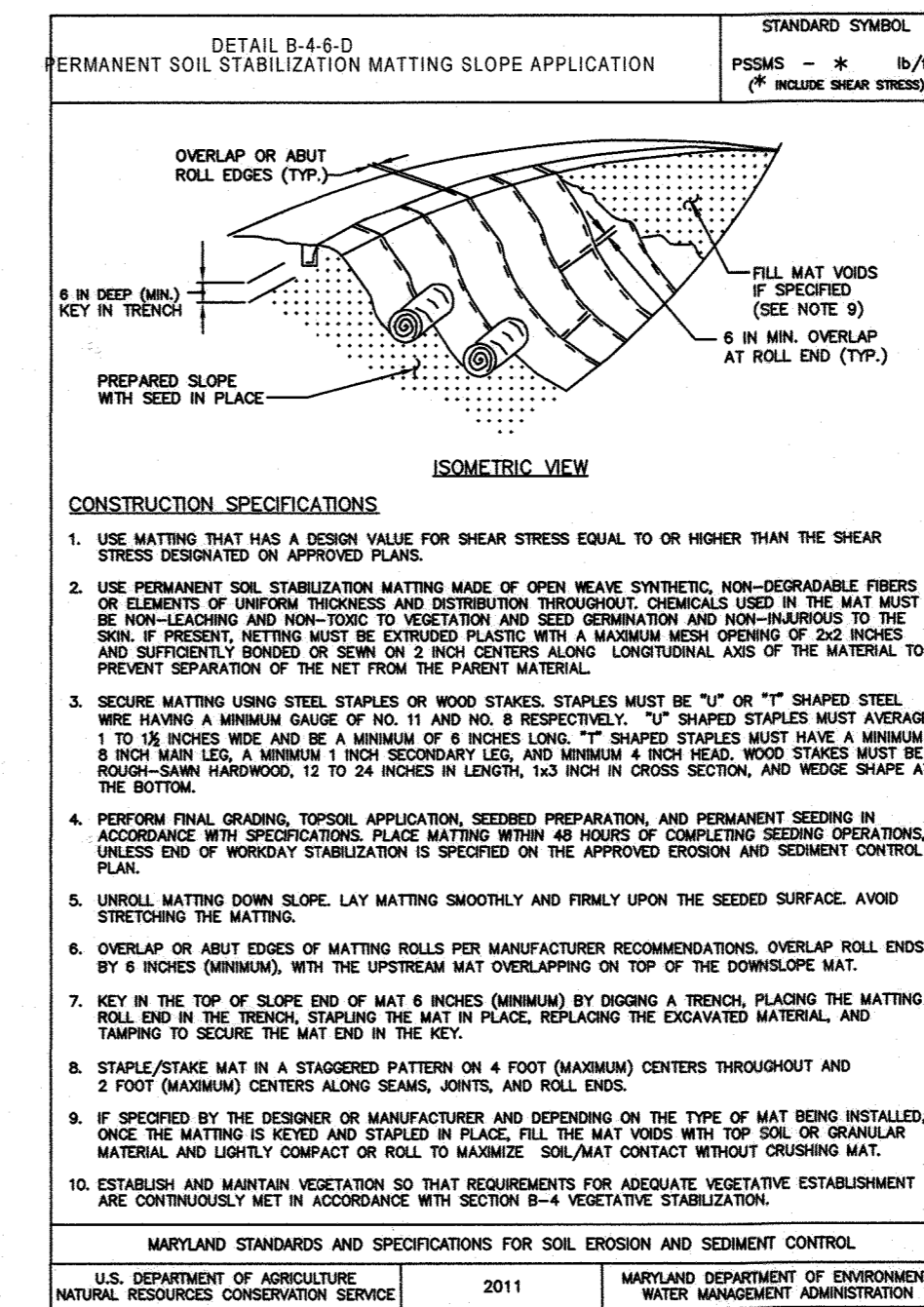
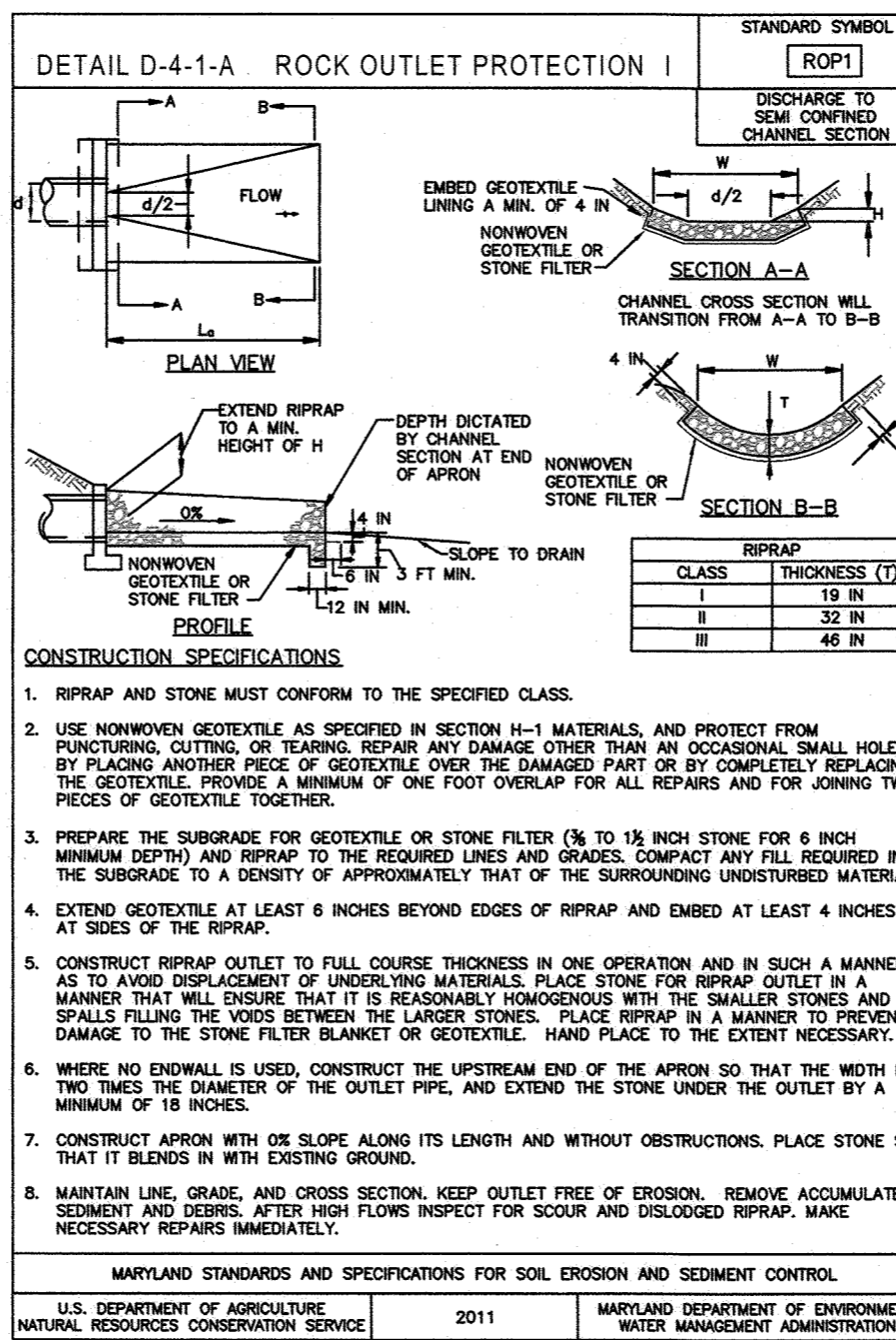
Table 6 Design Criteria for Pipe Slope Drain

Size	Pipe/Tubing Diameter (D) in	Maximum Drainage Area (Acres)
PSD-12	12	0.5
PSD-18	18	1.5
PSD-21	21	2.5
PSD-24	24	3.5
PSD-24 (2)	24	5.0

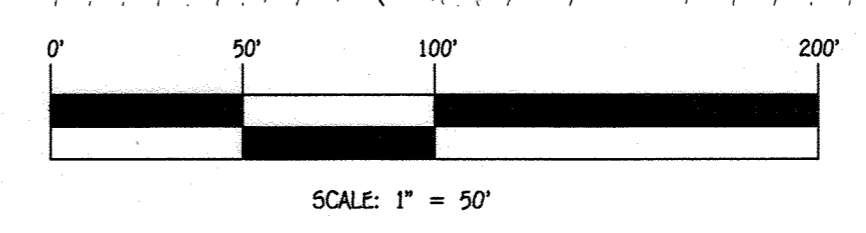
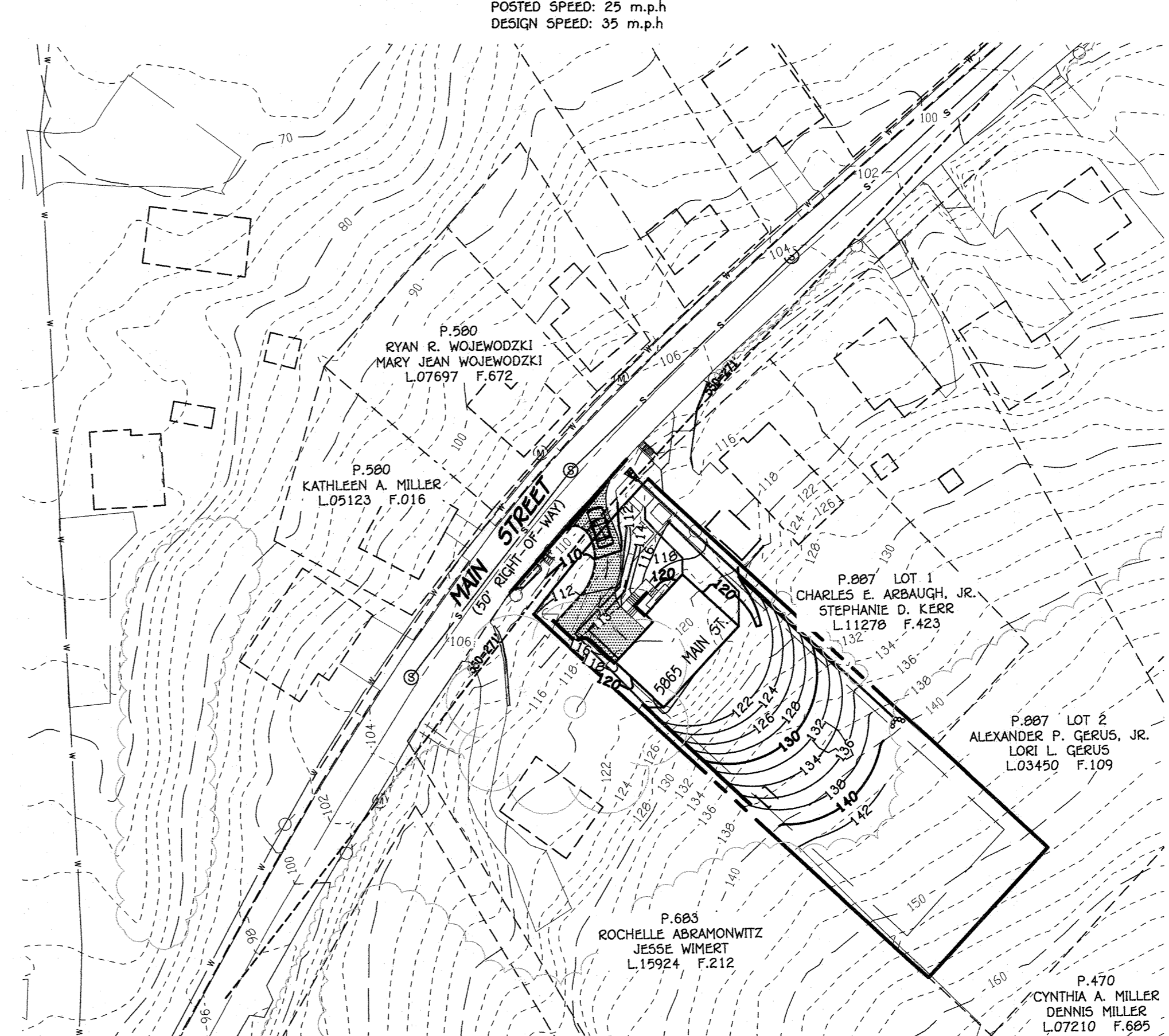
PIPE SLOPE DRAIN

Construction Specifications - Pipe Slope Drain

- The Pipe Slope Drain (PSD) shall have a slope of 3 percent or steeper.
- The top of the earth dike over the inlet pipe shall be at least 2 times the pipe diameter measured at the invert of the pipe.
- Flexible tubing is preferred. However, corrugated metal pipe or equivalent PVC pipe can be used. All connections shall be watertight.
- A flared end section shall be attached to the inlet end of pipe with a watertight connection. Filter cloth shall be placed under the inlet of the pipe slope drain and shall extend out 5' from the inlet. The filter cloth shall be "keyed in" on all sides.
- The Pipe Slope Drain shall be securely anchored to the slope by staking at the grommets provided. Spacing for anchors shall be as provided by manufacturer's specification. In no case shall less than two (2) anchors be provided, equally spaced along the length of pipe. These details should be provided by pipe suppliers.
- The soil around and under the pipe and end section shall be hand tamped in 4 inch lifts to the top of the earth dike.
- All pipe connections shall be watertight.
- Whenever possible where a PSD drains an unstabilized area, it shall outlet into a sediment trap or basin. If this is not possible then the slope drain will discharge into a stable conveyance that leads to a sediment trap or basin. When discharging into a trap or basin the PSD shall discharge at the same elevation as the wet pool elevation. The discharge from the PSD must be as far away from the sediment control outlet as possible.
- When the drainage area is stabilized, the PSD shall discharge onto a stabilized area at a non-erosive velocity.
- Inspection and any required maintenance shall be performed periodically and after each rain event.
- The inlet must be kept open at all times.



PRELIMINARY STOPPING SIGHT DISTANCE



NOTES & DETAILS
MYERS PROPERTY
 5065 MAIN STREET
 ZONING: R-12
 TAX MAP 3B GRID 04, PARCEL 572
 FIRST ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE AS SHOWN JULY, 2022
 SHEET 4 OF 4

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FILE
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2895

Approved: Department Of Planning And Zoning
 Chief, Development Engineering Division
 Chief, Division Of Land Development



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. 27020, EXPIRATION DATE: 01/25/2024.
 Paul G. Cavanaugh
 PAUL G. CAVANAUGH
 Date: July 1, 2022

OWNER
 HS HOMEBUILDER LLC
 5065 MAIN ST.
 ELKRIE, MARYLAND 21075

DEVELOPER
 MR. SURINDER SINGH
 SABBU HOMES LLC
 10610 WARBURTON CT
 ELICOTT CITY, MARYLAND 21042
 410-350-6333