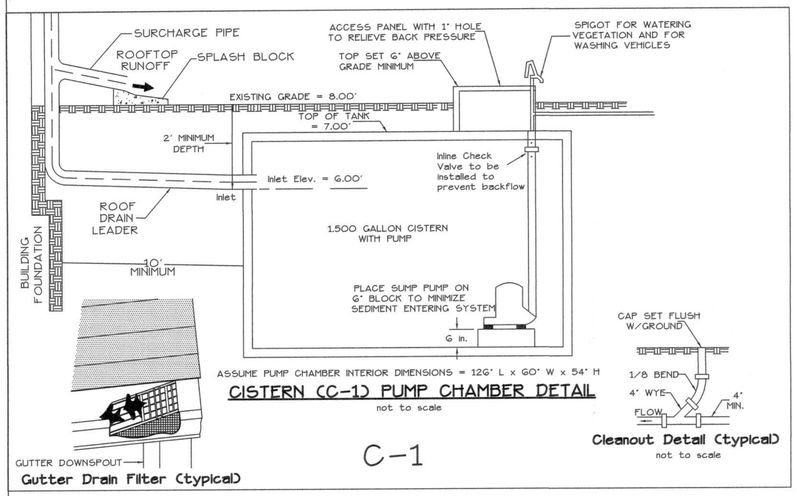
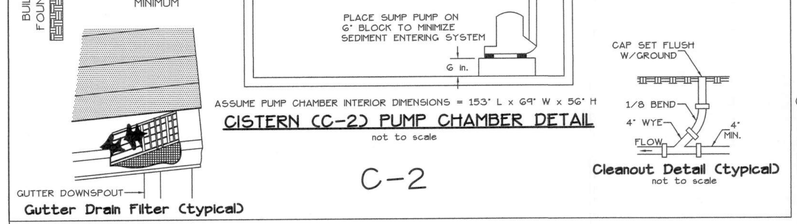
CISTERN OPERATION:

1. STORAGE TANKS MUST BE MAINTAINED AND OPERATED THROUGHOUT THE YEAR WHEN THE TEMPURATURE IS ABOVE 32 DEGREES F.
2. AS MUCH STORAGE WATER AS POSSIBLE SHOULD BE UTILIZED BETWEEN STORM EVENTS.
3. APPROXIMATELY 24 HOURS AFTER EACH RAIN EVENT, AT LEAST HALF OF THE WATER STORED IN THE CISTERN SHALL BE USED TO IRRIGATE THE LAWN AREAS. THE BALANCE OF THE WATER STORD IN THE CISTERN WILL BE USED TO IRRIGATE PLANT BEDS AND TO WASH VEHICLES.





CISTERN CONSTRUCTION AND INSPECTION CRITERIA

CONSTRUCTION CRITERIA

1. UNDERGROUND STORAGE TANKS SHALL BE PLACED ON OR IN NATIVE SOILS. IF PLACEMENT ON FILL MATERIAL IS NECESSARY, A GEOTECHNICAL ANALYSIS MAY BE REQUIRED BY THE APPROVING AUTHORITY.
2. STORAGE TANKS SHALL BE DESIGNED TO BE WATERTIGHT AND ALL MATERIALS SHOULDBE SEALED WITH A WATER SAFE, NON-TOXIC SUBSTANCE.
3. STORAGE TANKS SHALL BE PROTECTED FROM DIRECT SUNLIGHT AND SHALL BE OPAQUE TO PREVENT THE GROWTH OF ALGAE.
4. TOP OF UNDERGROUND TANKS SHALL BE BENEATH THE FROST LINE.
5. CISTERNS MAY BE ORDERED FROM A MANUFACTURER OR CONSTRUCTED ON-SITE. TYPICAL MATERIALS USED TO CONSTRUCT CISTERNS ARE FIBERGALASS, WOOD, METAL, OR REINFORCED CONCRETE.
6. RAIN BARRELS CAN BE PURCHASED OR CUSTOM MADE FROM LARGE, PLASTIC (E.G., 55 GALLON) DRUMS.

INSPECTION CRITERIA

1. PRIOR TO OPERATION, CERTIFICATION, SHALL BE REQUIRED THAT THE CONSTRUCTED SYSTEM MEETS THE CONDITIONS SPECIFIED ON THE APPROVED PLANS. ADDITIONALLY, CERTIFICATION REGARDING THE WATER TIGHTNESS OF THE UNDERGROUND STORAGE TANK SHALL BE REQUIRED AFTER ITS INSTALLATION.

CISTERN MAINTENANCE CRITERIA

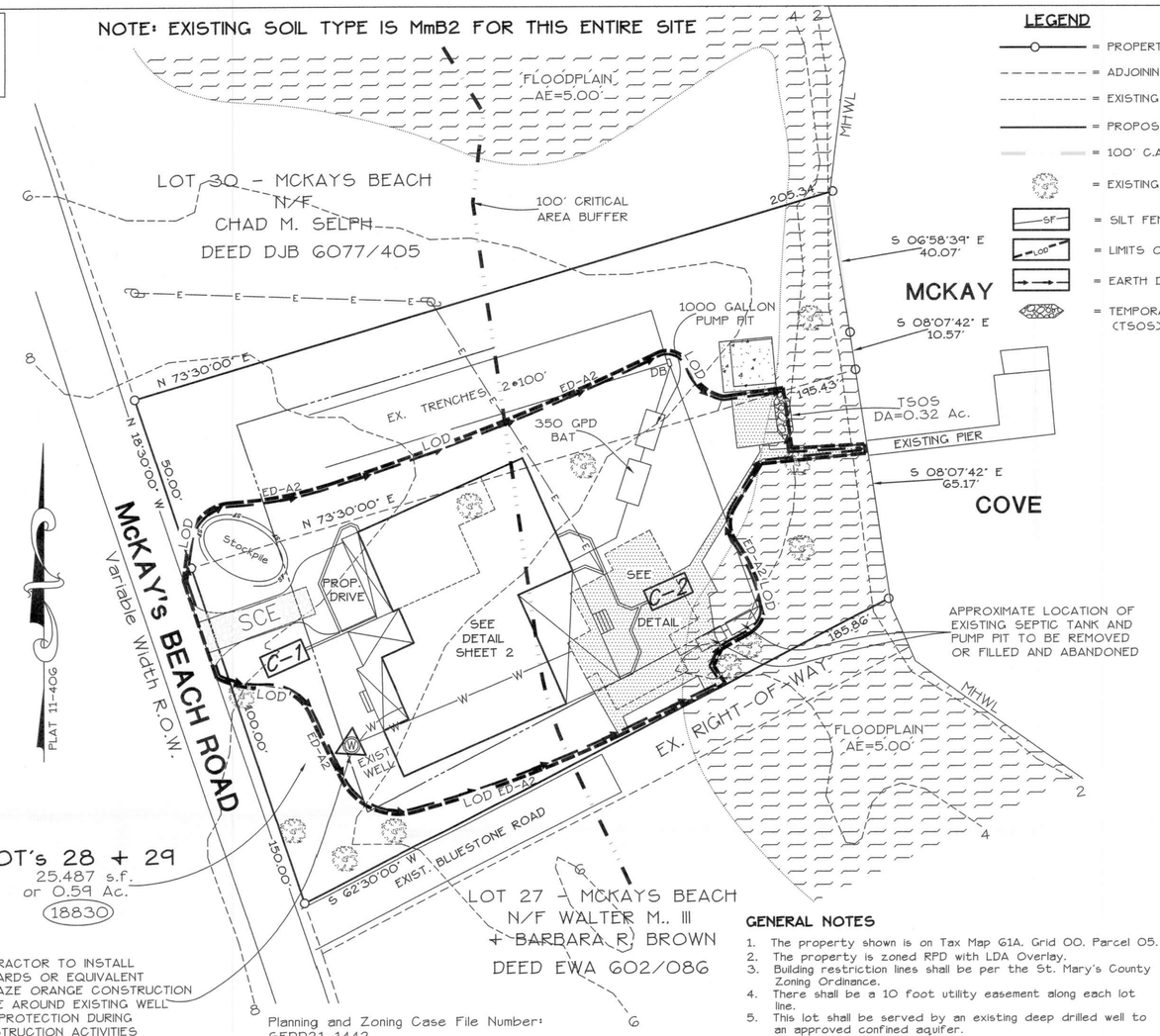
- Damaged components should be replaced as needed.
- Privately owned practices shall have a maintenance plan and shall be proctected by easement, deed restriction, ordinance, or other legal measures preventing its negelect, adverse alteration, and removal.
- Access shall be provided for cleaning, inspection, and maintenance in all cisterns. A drain plug shall also be provided to allow the system to be completely emptied if needed. (Noting this plan has a pump installed.)
- Leaf screens, gutters, and downspouts should be cleaned to prevent clogging. Built-up debris can also foster bacterial growth in gutters and downspouts.
- Storage tank lids and mosquito screens should be inspected and cleaned.
- To avoid freezing of components, above ground systems should be diconnected, drained, and cleaned at the start of the Winter season.
- Underground system connections should be checked for frozen lines and ice blockages during Winter.
- Indoor systems may require more specific maintenance.

ST. MARY'S COUNTY
HEALTH DEPARTMENT

APPROVAL DATE

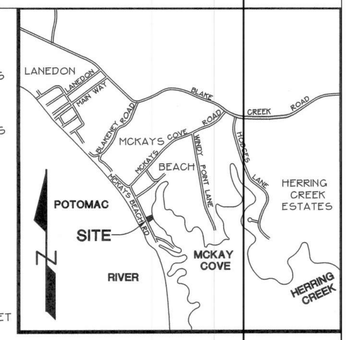
DIRECTOR, ENVIRONMENTAL HEALTH

NOTE: EXISTING SOIL TYPE IS MmB2 FOR THIS ENTIRE SITE



LEGEND

- = PROPERTY LINE
- = ADJOINING PROPERTY LINES
- = EXISTING BUILDINGS
- = PROPOSED DWELLING LINES
- = 100' C.A. BUFFER
- = EXISTING TREES
- SF = SILT FENCE
- LOD = LIMITS OF DISTURBANCE
- = EARTH DIKE
- = TEMPORARY STONE OUTLET (TSOS)



VICINITY MAP SCALE 1" = 2000'

TAX MAP: G1A BLOCK: 00 PARCEL 05

Planning and Zoning Case File Number:
SFDD21-1442
Tax Map G1A. Grid 00. Parcel 05

Owner/Developer
Walter + Barbara Brown
18822 McKays Beach Road
Leonardtown. MD. 20650
Phone: 301-758-9796

Total Disturbed Area: 13.795 S.F. or 0.32 Ac.

Permit Area: 0.59 Acres

Vegetative Stabilization = 0.21 Ac.

Cut 125 CY
Fill 323 CY

Lot Coverage Calculations

Allowable Lot Coverage (21,781 sf - 36,300 sf = 5,445 sf)

Existing			Proposed		
Structure	Inside 100' Buffer	Outside 100' Buffer	Structure	Inside 100' Buffer	Outside 100' Buffer
House	1,076 Sq. Ft.	0 Sq. Ft.	House	355 Sq. Ft.	2,144 Sq. Ft.
Drive	0 Sq. Ft.	0 Sq. Ft.	Porches	541 Sq. Ft.	334 Sq. Ft.
Shed	226 Sq. Ft.	0 Sq. Ft.	Garage	0 Sq. Ft.	891 Sq. Ft.
Conc. Walk/Pads	800 Sq. Ft.	0 Sq. Ft.	Drive	0 Sq. Ft.	651 Sq. Ft.
Total	2,133 Sq. Ft.	0 Sq. Ft.	Total	896 Sq. Ft.	4,020 Sq. Ft.
Total = 2,133 Sq. Ft.			Total = 4,916 Sq. Ft.		

LOT COVERAGE to be removed (TBR)

House:	1,076 Sq. Ft.
Shed:	226 Sq. Ft.
Conc:	585 Sq. Ft.
TOTAL:	1,887 Sq. Ft.

POST DEVELOPMENT LOT COVERAGE

Existing Lot Coverage:	2,133 Sq. Ft.
- Lot Coverage (TBR):	1,887 Sq. Ft.
+ Proposed Lot Coverage:	4,916 Sq. Ft.
TOTAL:	5,162 Sq. Ft.
- ORIGINAL Lot Coverage:	2,133 Sq. Ft.
Proposed New Lot Coverage	(+3,029 Sq. Ft.)

GENERAL NOTES

1. The property shown is on Tax Map G1A. Grid 00. Parcel 05.
2. The property is zoned RPD with LDA Overlay.
3. Building restriction lines shall be per the St. Mary's County Zoning Ordinance.
4. There shall be a 10 foot utility easement along each lot line.
5. This lot shall be served by an existing deep drilled well to an approved confined aquifer.
6. This lot to be served by existing septic disposal system.
7. This subdivision is in compliance with the St. Mary's County Comprehensive Water and Sewer Plan.
8. 'Minimum Ownership Statement' - These lots contain an area of at least 20,000 square feet which does not include rights-of-ways. 50 year flood plains or grades of 25% or greater.
9. The plan shown hereon was prepared without the benefit of a Title Search.
10. Other than those wells and septics shown hereon there are no other wells and septic systems within 100 feet of the proposed wells and or sewerage easements.
11. Easements and/or rights-of-ways may exist which are not shown hereon. This plan is subject to title search.
12. This lot shall be graded so as to drain surface water away from the foundation walls. The grade away from the foundation will fall a minimum of 6 inches within the first 10 feet.
13. Water and Sewage designation is NPS.
14. Existing septic system as shown will serve up to 350 GPD.
15. Per COMAR 26.04.02.07C the property owner shall maintain and operate all new and existing BAT systems for the life of the system.
16. The property lines shown hereon were taken from deeds and plats of record along with monumentation in the field and does not represent a boundary survey by this firm.
17. The property is in Zone AE (area determined to be subject to flooding by the 1% annual chance flood) Elevation 5 feet.) as shown on FIRM map 24037C0316F, effective date November 19, 2014.

CRITICAL AREA NOTES:

1. Approximately 0.59 acres of this site lie in within Maryland's Critical Area. Any and all development activities proposed within this area are subject to Critical Area regulations and will not be permitted until all appropriate local, state and federal agencies have conducted a thorough environmental review and have approved the development plan.
2. The Critical Area Buffer must remain in natural vegetation and may not be disturbed except as provided under Chapter 71. Section 8 (Habitat Protection Standards) of the St. Mary's County Comprehensive Zoning Ordinance (02-01), as Amended).
3. No development is permitted in wetlands without approval from appropriate local State and Federal agencies. This site site has not been field evaluated for tidal or non-tidal wetlands.
4. All existing forest shown hereon shall remain undisturbed except as permitted under the provisions of Chapter 72 (Forest and Woodland Resources, in the Critical Area) of the St. Mary's County Comprehensive Zoning Ordinance. Any and all afforested or reforested areas created under the provisions of the St.Mary's County Critical Area Ordinance and designated on this plat shall be preserved from future disturbance.
5. This subdivision has been prepared in accordance with deeds and plats of record and the thereof does not assure title to any portion or portions of said property which may lie beyond the natural mean high water mark or tidal wetlands. In accordance with the State Critical Area laws of density rights and furthermore, a 100 foot buffer as shown shall be maintained from the said mean high water or adjacent tidal wetlands since the riparian rights to the same are subject to the regulatory powers of the State and Federal Governments.
6. Locations of natural heritage areas, habitats of threatened or endangered species and habitats of significant plants or wildlife are identified on this plat in accordance with Section 71.8 of the St. Mary's County Area Ordinance.
7. Existing impervious surfaces within the Critical Area Buffer ---------- 2,133 s.f.
8. Slopes greater than 15% ----------0 s.f.
9. Existing trees/tree line ---------- 3,300 s.f.
10. Existing impervious surfaces outside C.A. Buffer ---- 0 s.f.
11. Existing impervious surfaces to be removed ----- 1,887 s.f.
12. Areas of vegetative clearing ---------- 600 s.f.
13. Proposed soil disturbance ---------- 13,975 s.f.
14. Proposed impervious surface ---------- 4,916 s.f.
15. Required reforestation ---------- - 0 -
16. Required afforestation -------- 4,916 s.f. - Trees

LIMITS OF DISTURBANCE

TOTAL = 13,975 S.F.

Received
JAN 13 2023
St. Mary's County
Land Use & Growth Management

CRITICAL AREA SITE PLAN

TO REPLACE EXISTING DWELLING
18830 McKAYS BEACH ROAD
LOT'S 28 & 29
McKAY'S BEACH SUBDIVISION
PER PLAT BOOK 11, PAGE 406
FOR WALTER & BARBARA BROWN
SITUATE
Second Election District
SFDD21-1442

Date	Revisions
10-05-22	Per SCS + C.A. email comments
1-09-23	Revised Septic Trenches per Health Revised house + cistern locations based on above new septic location

Seal: STATE OF MARYLAND — R. VICTOR BUCKLER — No. 21358 — PROFESSIONAL LAND SURVEYOR — EXPIRES: 06-15-23

Scale: 1" = 20' Fax: 301-880-0653 Date: 8-21-22

R. VICTOR BUCKLER
Professional Land Surveyor
40562 Old Horse Landing Road
Mechanicsville, Maryland 20659
DRAWN BY DEJ Phone: 240-925-7465 CHECKED BY RVB
Job No: SM02-61A00-05 Email: Vicb@md.metrocast.net Sheet No: 1 of 2

SEDIMENT AND EROSION CONTROL NOTES

1. Prior to any excavating or placement of embankment materials, all sediment control measures shall be installed and in place. The sediment control measures shown on this plan may be adjusted to meet field conditions at the time of construction. ANY ADJUSTMENTS TO THE PLAN MUST BE APPROVED BY THE INSPECTION AGENCY.
2. All construction and placement of sediment control measures shall be in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control.
3. Sediment basins and/or traps shall be the first sediment control measure installed and the last removed so that sediment is controlled during all other construction during all other construction operations. When final site grading is complete and all upstream areas are stabilized, the sediment basins and/or traps shall be cleaned out, leveled, and a permanent stabilization applied as specified on the plan. The sediment basins and/or traps shall not be removed under dry conditions and any and all sediment control devices shall not be removed without the permission of the Inspection Agency.
4. Periodic inspection and maintenance of all sediment control devices shall be provided by the contractor to insure that the intended purpose of the device is accomplished. The contractor is to repair any and all sediment control devices damaged or destroyed during construction, and all sediment basins and/or traps are to be cleaned out following each major storm to insure continued operation of the basins and/or traps.
5. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within:
   A. Three (3) calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes and all slopes greater than three (3) horizontal to one (1) vertical, (3:1), and;
   B. Seven (7) calendar days as to all other disturbed or graded areas on the project site.
6. No constructed or altered slope shall be greater than 3:1 unless otherwise approved.
7. Upon completion of all excavation, the area shall be sloped and graded as shown. All disturbed areas not otherwise paved, graded or sodded shall be topsoiled (minimum 2") limed, fertilized, seeded and mulched in accordance with the 2011 Standards and Specifications for Soil Erosion and Sediment Control Section B.
   A. Lime: Two (2) tons Dolomitic Limestone per acre.
   B. Fertilizer: 600 pounds, 0-20-20 per acre.
      400 pounds, 38-0-0 per acre.
      300 pounds, 10-20-20 per acre.
      Lime and fertilizer is to be disced uniformly into soil.
   C. Seed: 60 pounds Kentucky 31 Tall Fescue per acre.
   D. Mulch: One and one-half (1-1/2) to two (2) tons of straw per acre.
   E. Binder: 348 gallons of RS-1 per acre.
8. Prior to the start of work, the contractor is to obtain St. Mary's Soil Conservation District approval of any proposed plan changes and sequence of construction, specifically relating to installation, inspection, maintenance and removal of erosion and sediment control measures.
9. Sediment control measures are not to be removed until the areas served have established vegetative cover, and with the permission of the MDE Enforcement Inspector.
10. When pumping sediment laden water, the discharge must be directed to an approved sediment trapping measure prior to release from the site.
11. All temporary stockpiles are to be loaded within areas protected by sediment control measures, and are to be temporarily stabilized.
12. All sediment control dikes, swales, basins and flow lines to basins will be temporarily seeded immediately upon installation to reduce the contribution to sediment loading.
13. Disposal of excess earth materials on State or Federal property requires MDE approval, otherwise, materials are to be disposed of at a location approved by local authority.
14. Temporary soil erosion and sediment control measures are to be provided as per the approved plan prior to grading operations. Location adjustments are to be made in the field as necessary. The minimum area practical shall be disturbed for the minimum possible time.
15. If grading is completed out of seeding season, graded areas are to be temporarily stabilized by mulch and mulch anchoring. Mulch material shall be unweathered, unchopped small grain straw spread at a rate of 1-1/2 to 2 tons per acre. Mulch anchoring to be accomplished by an approved method, use of a mulch anchoring tool is recommended where possible.
16. Implementation of the sediment control plan shall be in accordance with the "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control".
17. The contractor is responsible for implementation and maintenance of the approved plan, and all other measures necessary to control, filter or prevent sediment from leaving the site.
18. In cases where stormwater management structures are a part of site development, removal of sediment control structures may not be accomplished before the contributing draining area to the stormwater management structure is stabilized. Also, proper dewatering of the sediment basin must be accomplished to prevent loss of sediment from the site.
19. On sites where infiltration techniques are utilized for the control of stormwater, extreme care must be taken to prevent all runoff from entering the structure during construction.
20. Sediment control for utility construction outside of the proposed sediment control measures shall be as follows: A. Excavated trench material shall be placed on the high side of the trench.
    B. Immediately following pipe installation, the trench shall be backfilled, compacted and stabilized at the end of each working day.
    C. Temporary silt fence shall be placed immediately downstream of any disturbed area intended to remain disturbed longer than (1) working day.
21. On all sites, approval of the inspection agency shall be requested upon completion of the installation of the perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
22. Approval shall be requested upon final stabilization before removal of sediment controls.
23. Signed/stamped SCD approval plans must be on-site and available at all times.
24. The Owner/Agent is responsible for contacting any/all regulatory agencies as required and having the applicable approvals in hand before commencing project. Below is a list of agency contacts:
    Maryland Department of the Environment 410-537-3510
    Maryland Department of the Environment - Wetland Issues 410-537-3819
    St. Mary's County Department of Land Use + Growth Management 301-475- 4200 x1580
    St. Mary's County Department of Public Works and Transportation 301-863-8400
    St. Mary's County Metropolitan Commission 301-863-8400
    Southern Maryland Electric Coop 888-440-3311

PERMANENT SEEDING SUMMARY

SEED MIXTURE (HARDINESS ZONE 7A) FROM TABLE 25				FERTILIZER RATE			LIME RATE
SPECIES	PER ACRE	SEEDING DATES	SEEDING DEPTH	N	(10-20-20) P205	K20	
TALL FESCUE (75%) CANADA BLUEGRASS (10%) KENTUCKY BLUEGRASS (10%) REDTOP (5%)	150 lbs	3/1 - 5/15 8/15 - 11/15	1/4 - 1/2 in	90 LB/AC (2.0 LB/ 1000 s.f.)	175 LB/AC (4.0 LB/ 1000 s.f.)	175 LB/AC (4.0 LB/ 1000 s.f.)	2 TONS/AC (100 LB/ 1000 s.f.)
TALL FESCUE (85%) PERENNIAL BLUEGRASS (10%) KENTUCKY BLUEGRASS (5%)	125 lbs 15 lbs 10 lbs	3/1 - 5/15 8/15 - 11/15	1/4 - 1/2 in				
TALL FESCUE (85%) CROWN VETCH	110 lbs 20 lbs	3/1 - 5/15 8/15 - 11/15	1/4 - 1/2 in				

TEMPORARY SEEDING SUMMARY

SPECIES	MINIMUM SEEDING RATES		PLANTING DEPTH[36]	HARDINESS ZONES[37] 7a AND 7b AND SEEDING DATES[38]		
	PER ACRE	LBS/1000 SQ.FT.	INCHES	2/1 - 4/30	5/1 - 8/14	8/15 - 11/30
CHOOSE ONE: BARLEY OATS RYE[39]	 2.5 BU. (122 lbs) 3 BU. (96 lbs) 2.5 BU. (140 lbs)	 2.80 2.21 3.22	 1/4-1/2 1/4-1/2 1/4-1/2	 X X X	 - - -	BY 10/15 — X
BARLEY OR RYE PLUS FOXTAIL MILLET[40]	150 lbs	3.45	1/4-1/2	X X	X X	10/15 X
WEEPING LOVEGRASS[41]	4 lbs	0.09	1/4-1/2	-	X	-
ANNUAL RYEGRASS	50 lbs	1.15	1/4-1/2	X	-	11/1
MILLET[42]	50 lbs	1.15	1/2	-	X	-

36 Applicable on 3:1 slopes or flatter
37 Refer to figure A - Adopted from USDA, ARS Miscellaneous Publication #1475, January 1990
38 Between fall and spring seeding dates, use mulch only if ground is frozen and reseed when thawed.
39 May be used as a nurse crop for late fall/early winter permanent seeding, add 56 lbs/ac to the permanent seeding mixture.
40 Maryland State Highway Administration Temporary Seed Mix.
41 May be used as a nurse crop for mid-summer permanent seedings. Add 2 lbs/ac to permanent seed mix
42 May be used as a nurse crop for mid-summer seedings. Add 10 lbs/ac to the permanent seeding mix.

UTILITY NOTE:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION. CONTACT "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.

SEDIMENT CONTROL CONSTRUCTION SEQUENCE

1. A pre-construction meeting is required with the St. Mary's Soil Conservation District, 301-475-8402 x3. To schedule a pre-construction meeting, the owner/developer or a contractor representative must go to the District Office at least five (5) days in advance of the date you want to hold the meeting. Fees must be paid when you schedule the meeting. Failure to schedule and hold a pre-construction meeting may result in a stop work order, penalties or both.
2. Clearing and grubbing for those areas necessary for installation of perimeter and sediment controls. — 2 days
3. Installation and construction of perimeter controls. — 1 day
4. On all sites, approval by MDE inspection agency at 410-537-3510 shall be requested upon completion of the installation of the perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
5. Remaining clearing and grubbing along with removal of existing house, shed + conc. pads. — 2-4 days
6. Construct new house, driveway and utilities. — 4 months
7. Install cistern C-1 and associated piping system. — 2-4 days
8. Fine grading and permanent stabilization of disturbed areas with a minimum of 4 inches of topsoil, seed and mulch. — 2 days
9. Construct all other SWM BMP's as required once all contributory drainage areas have been permanently stabilized. — 4 days
10. Removal of sediment controls upon the MDE inspectors approval. — 2 days

UTILITY INSTALLATION NOTE

All trenches or holes created for utility installation shall be backfilled, compacted and stabilized at the end of each workday. Excavated trench material shall be placed on the high side of the trench hole. No more trench/hole shall be opened than can be stabilized the same day. If an area must be left un-stabilized overnight, silt fence will be placed immediately downstream of all disturbed areas and stockpiles, and appropriate safety measures will be installed as required.

ENGINEERS CERTIFICATE

I hereby certify that the plans have been designed in accordance with approved erosion and sediment ordinances, regulations, standards and criteria.

I hereby certify that the plans shown hereon are correct and conform to the St. Mary's County standards and specifications for road, grading, sediment control, stormwater and sewer design. All clearing, grading, construction and development will be performed in accordance with these plans as approved.

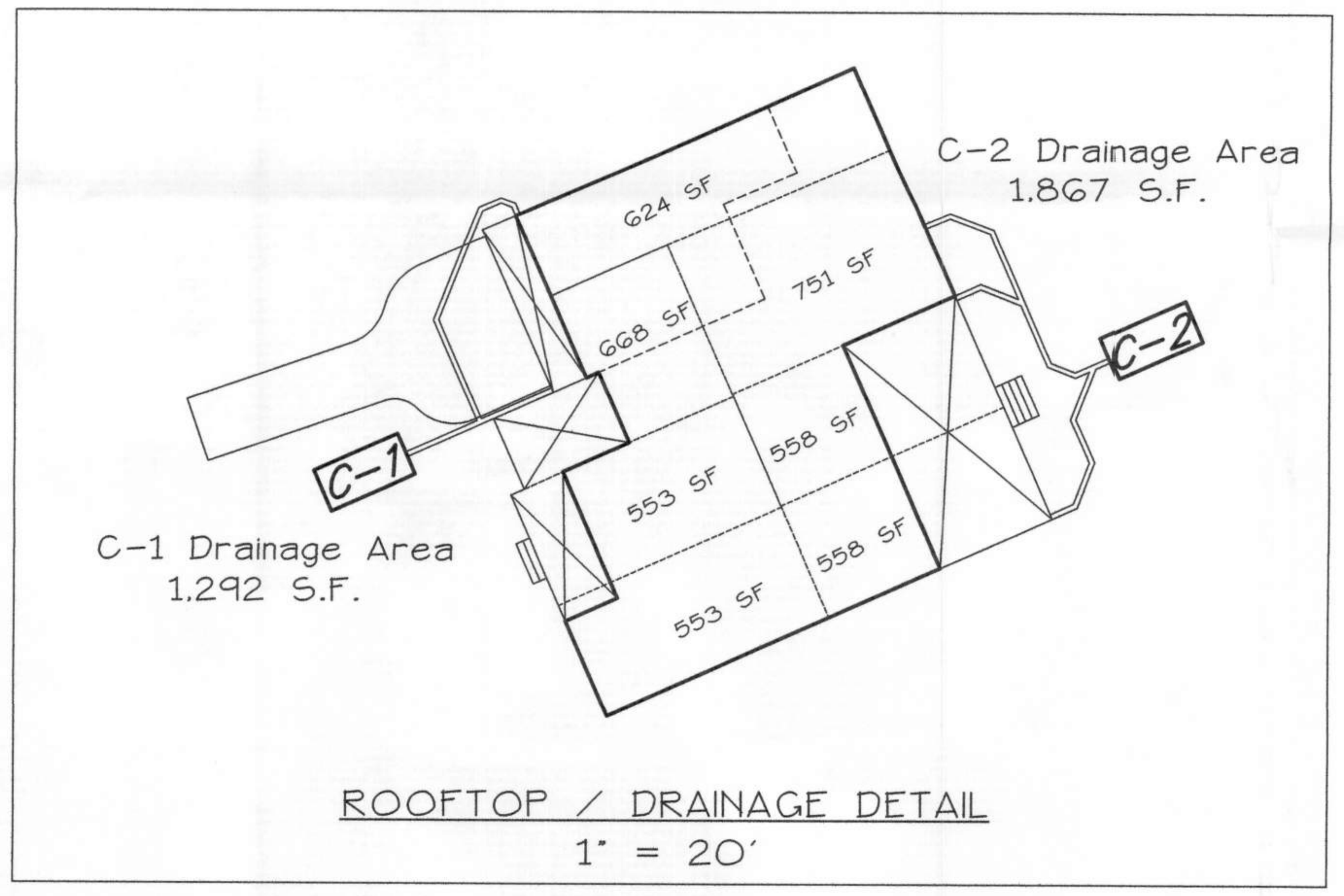
I further hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Land Surveyor under the laws of the State of Maryland, License No. 21258, expiration date June 15, 2023.

R. Victor Buckler — Date

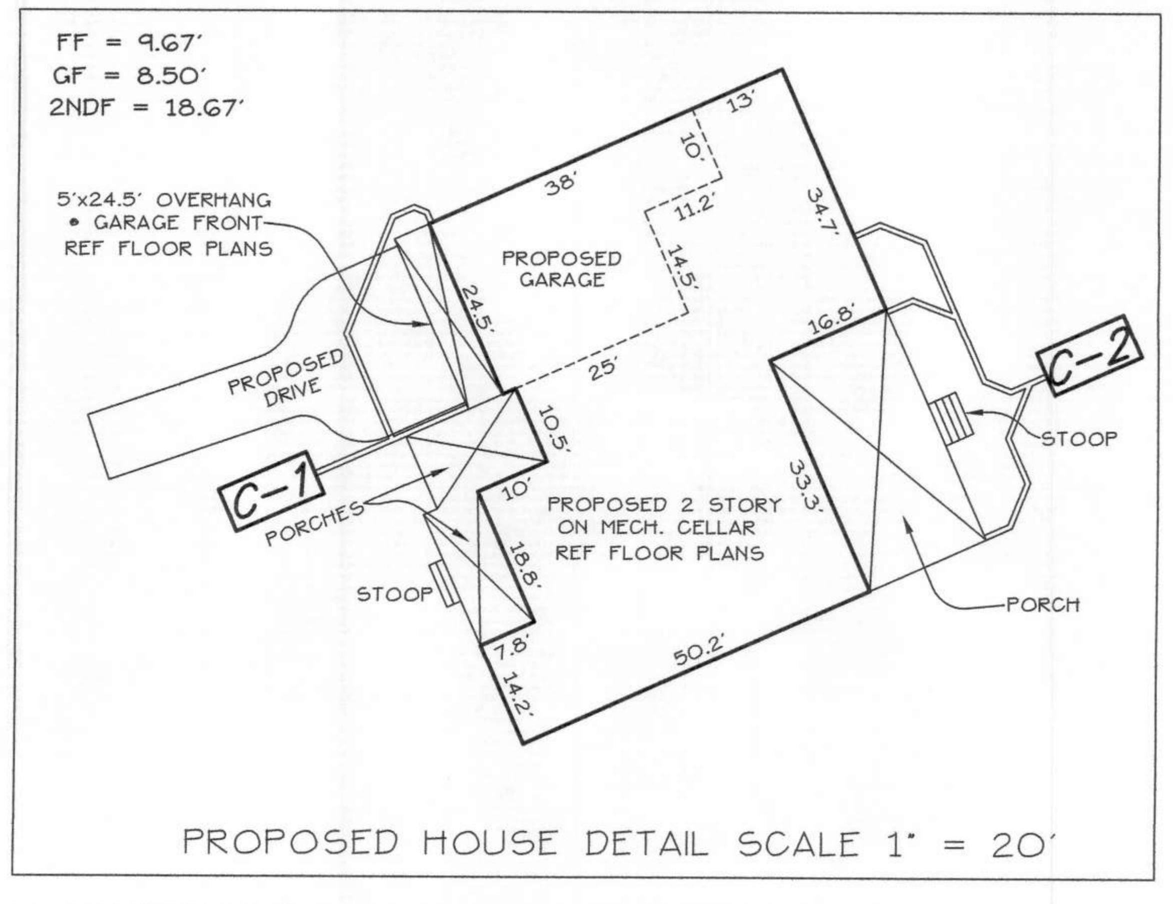
OWNER/DEVELOPERS CERTIFICATE

I hereby certify that all clearing, grading, construction and development will be performed in accordance with these plans as approved and that responsible personnel involved in the construction of this project will have a Certificate of Training from an approved Maryland Department of the Environment, Sediment and Stormwater Administration training program for the control of sediment and erosion before beginning this project.

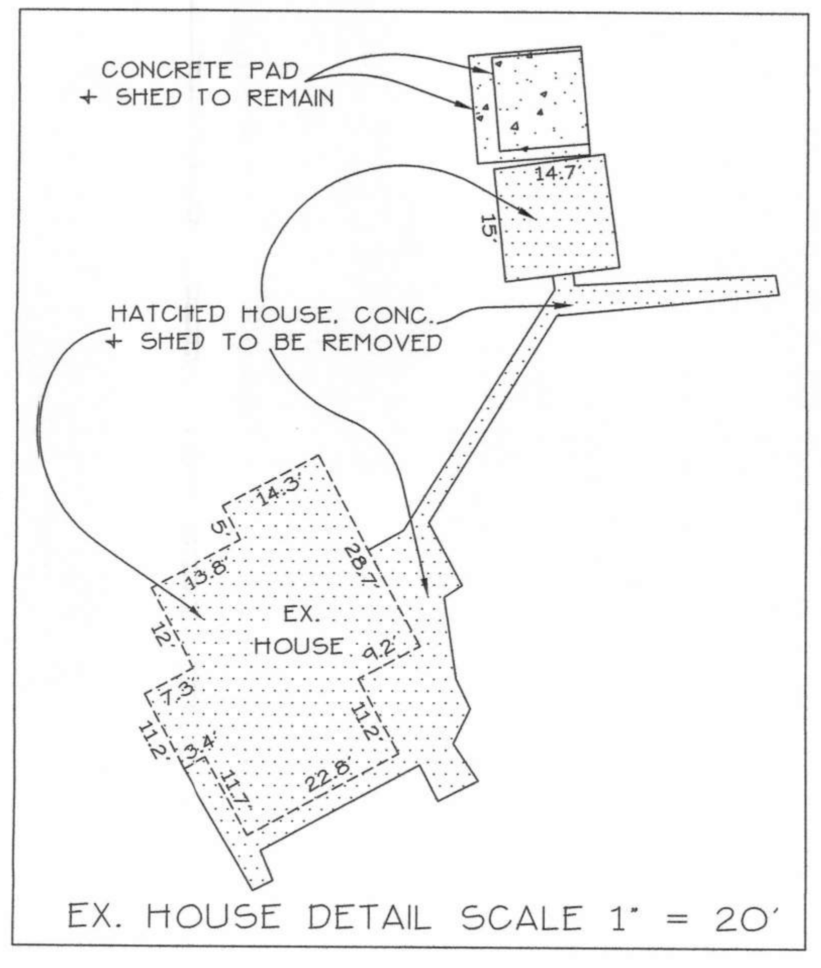
Owner/Developer — Date



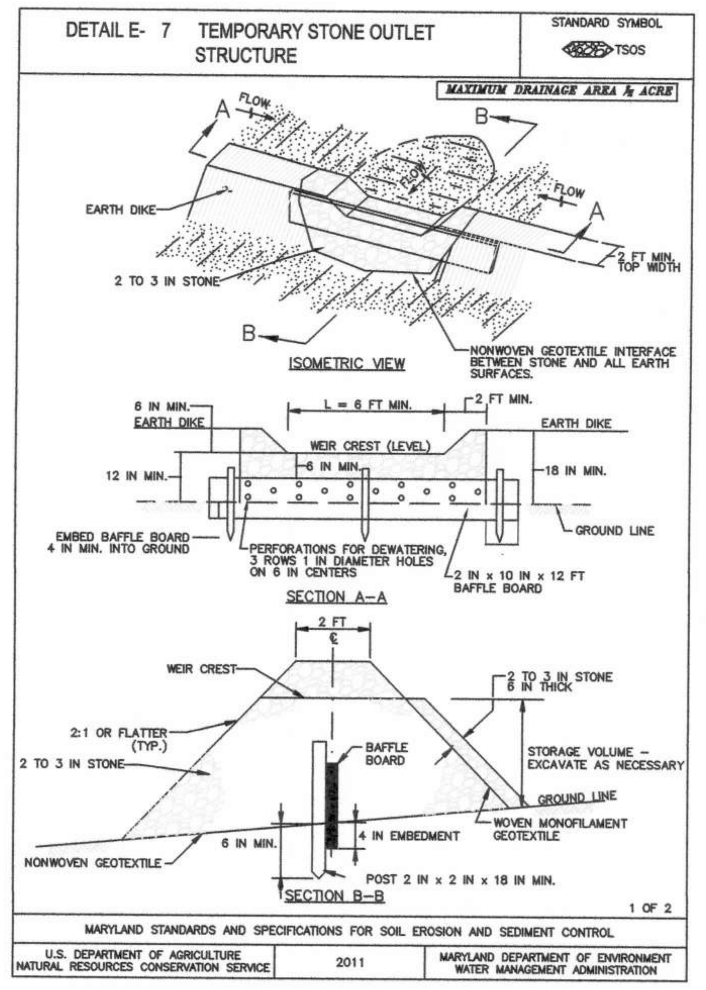
ROOFTOP / DRAINAGE DETAIL
1" = 20'

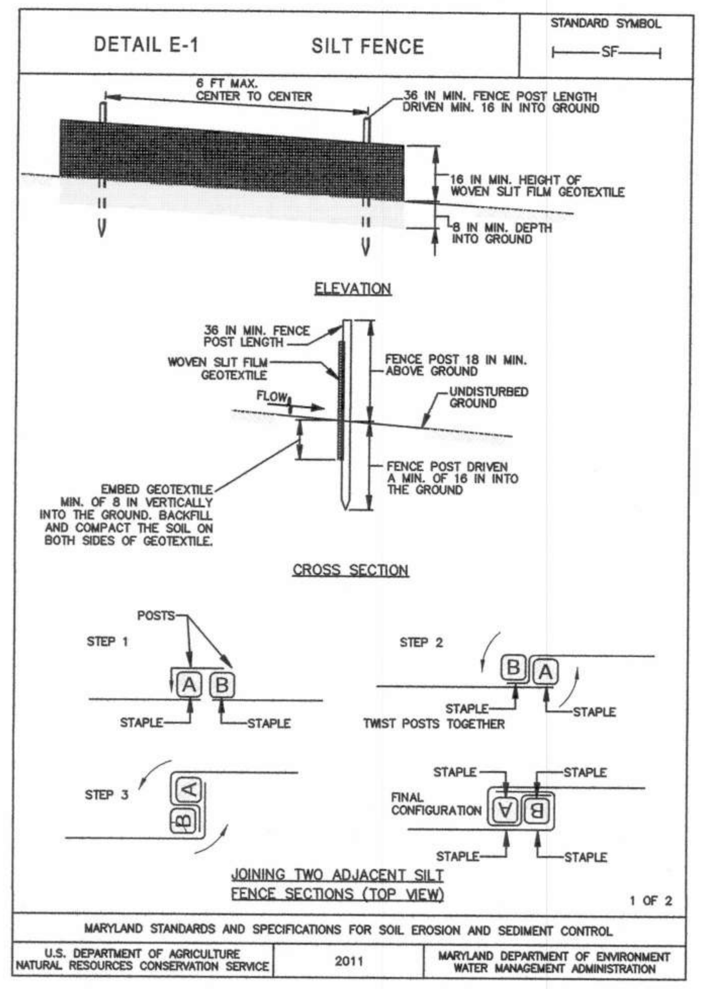


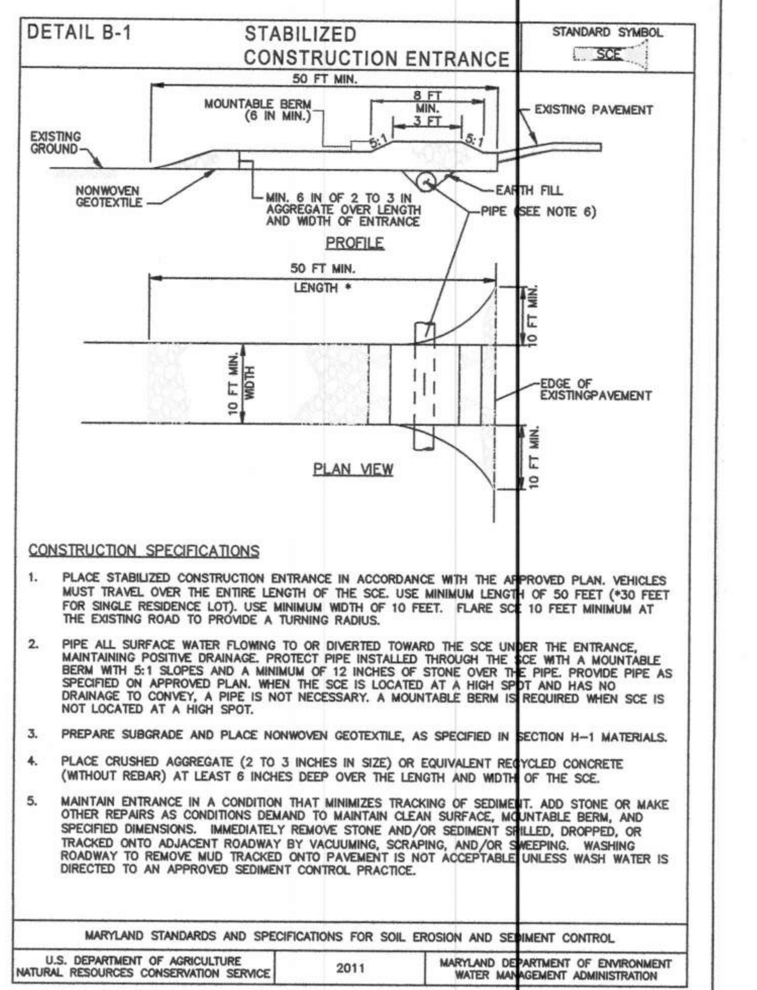
PROPOSED HOUSE DETAIL SCALE 1" = 20'

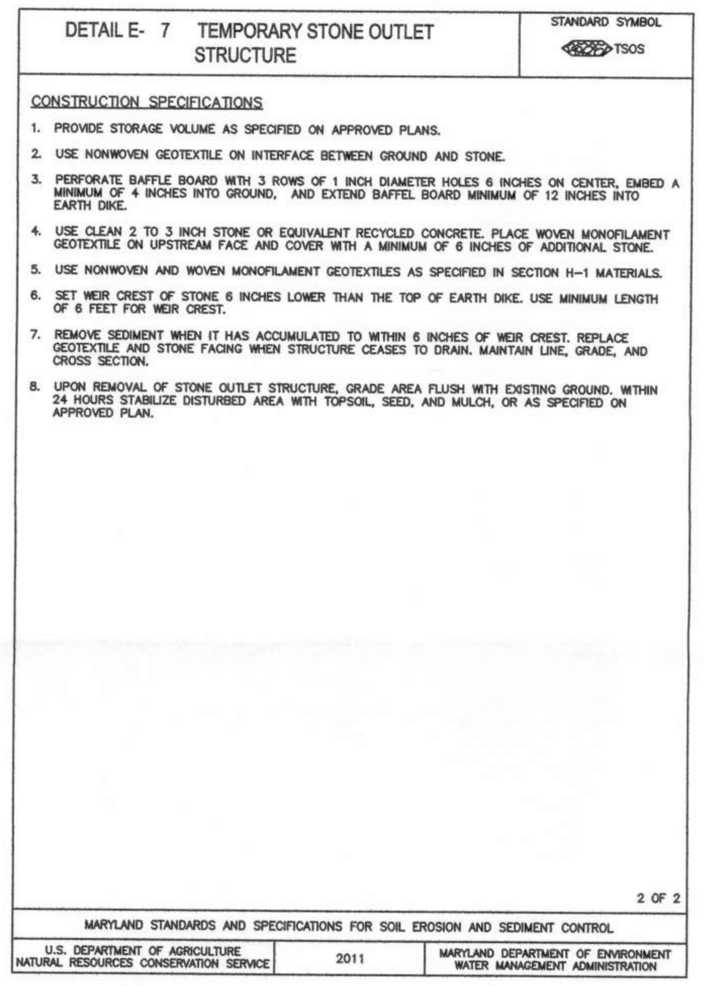


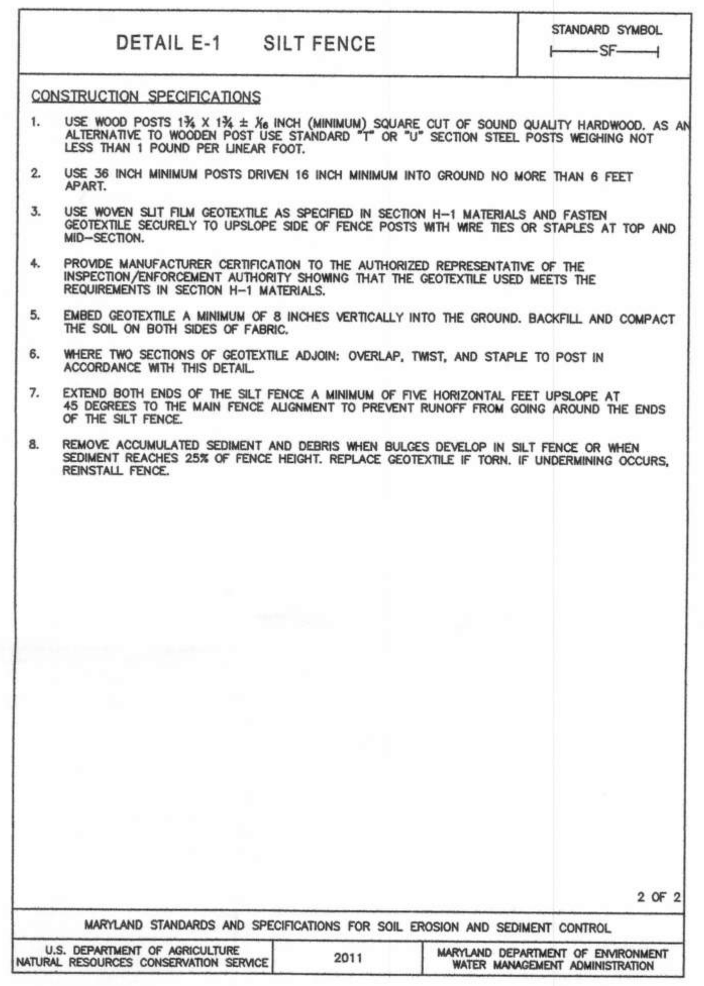
EX. HOUSE DETAIL SCALE 1" = 20'

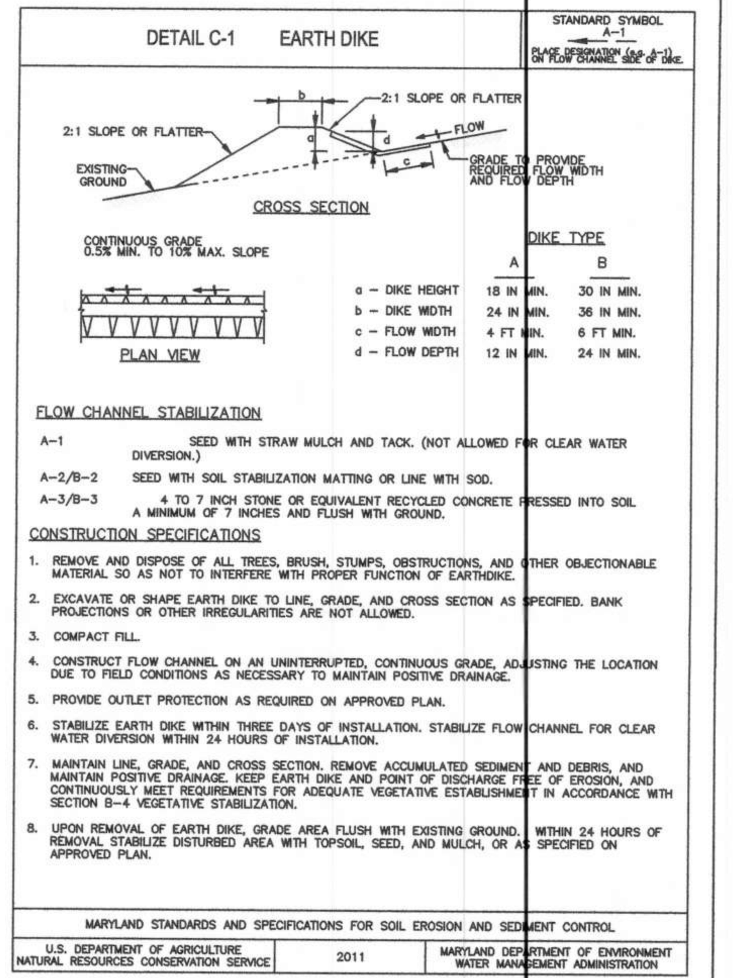












POST-DEVLOPMENT DRAINAGE AREA TABLE

DRAINAGE AREA	EXISTING IMPERVIOUS	PROPOSED IMPERVIOUS	% IMPERV.	Rv	Qe	TARGET Pe	ESDv	Re_v	REQ'D % AREA	TARGET Cpv RCN
13,795 s.f.	0 s.f.	4,916 s.f.	35.6%	0.370	0.37	1.0"	428 c.f.	56 c.f.	4,916 s.f.	77

MICRO-SCALE PRACTICES

MICRO-SCALE PRACTICES	PRACTICE No.	DRAINAGE AREA No.	AREA RECEIVED	IMPERVIOUS RECEIVED	Pe CREDIT	ESDv PROVIDED	% AREA PROVIDED
CISTERN	C-1	DA1	1,292 s.f.	1,292 s.f.	1.96 in.	200.5 c.f.	100%
CISTERN	C-2	DA2	1,867 s.f.	1,867 s.f.	1.81 in.	267.4 c.f.	100%

- ALL OTHER AREAS IN THE POST DEVELOPMENT DRAINAGE AREA HAVE BEEN DIVERTED FROM THE ESD PRACTICES.
- ESD PRACTICES WERE SIZED TO MEET THE ESDv REQUIRED FOR THE ENTIRE SITE

Qe COMPUTATIONS

$Qe = P_E \times R_v$; where

P_E = 1.0 inches

R_v = 0.05 + (0.009)(I); where I = 35.6

R_v = 0.370

Qe = 0.37 inches

Re_v COMPUTATIONS

$Re_v = \frac{(S)(Rv)(A)}{12}$

$Re_v = \frac{(0.13)(0.370)(0.32ac.)}{12}$

Re_v = 55.4 CF use 56

ESDv COMPUTATIONS

$ESDv = \frac{(1.0")(Rv)(A)}{12}$

$ESDv = \frac{(1.0)(0.370)(0.32ac.)}{12}$

ESDv = 425.8 CF use 428.0 CF

BMP TABLE

PRACTICE	LOCATION	AREA TREATED	VOLUME (ESDv)
C-1	Part of House	1292 sf	200.5 cf
C-2	Part of House	1,867 sf	267.4 cf
		Total	467.9 cf
		ESDv Required	428.0 cf

LIMITS OF DISTURBANCE
TOTAL = 13,795 S.F.

CRITICAL AREA SITE PLAN

TO REPLACE EXISTING DWELLING
18830 McKAYS BEACH ROAD

LOT'S 28 & 29
McKAY'S BEACH SUBDIVISION

PER PLAT BOOK 11, PAGE 406
FOR WALTER & BARBARA BROWN
SITUATE
Second Election District
SFDD21-1442

Date	Revisions	Seal
10-05-22	Per SCS + C.A. email comments	STATE OF MARYLAND R. VICTOR BUCKLER No. 21258 PROFESSIONAL LAND SURVEYOR (signed R. Victor Buckler 1-12-23)
1-09-23	Revised Septic Trenches per Health Dept. site visit, revised house + cistern locations per above change	EXPIRES 06-15-23

Scale: 1" = 20' Fax: 301-880-0653 Date: 8-21-22

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DRAWN BY DEJ CHECKED BY RVB
Job No: SM02-61A00-05