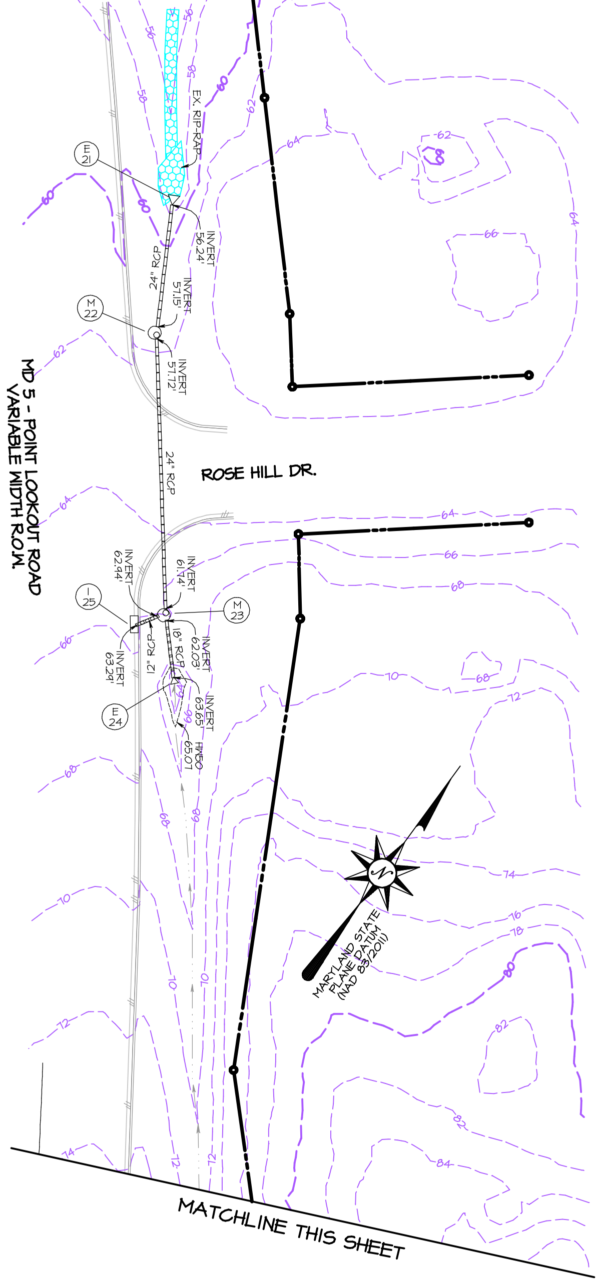
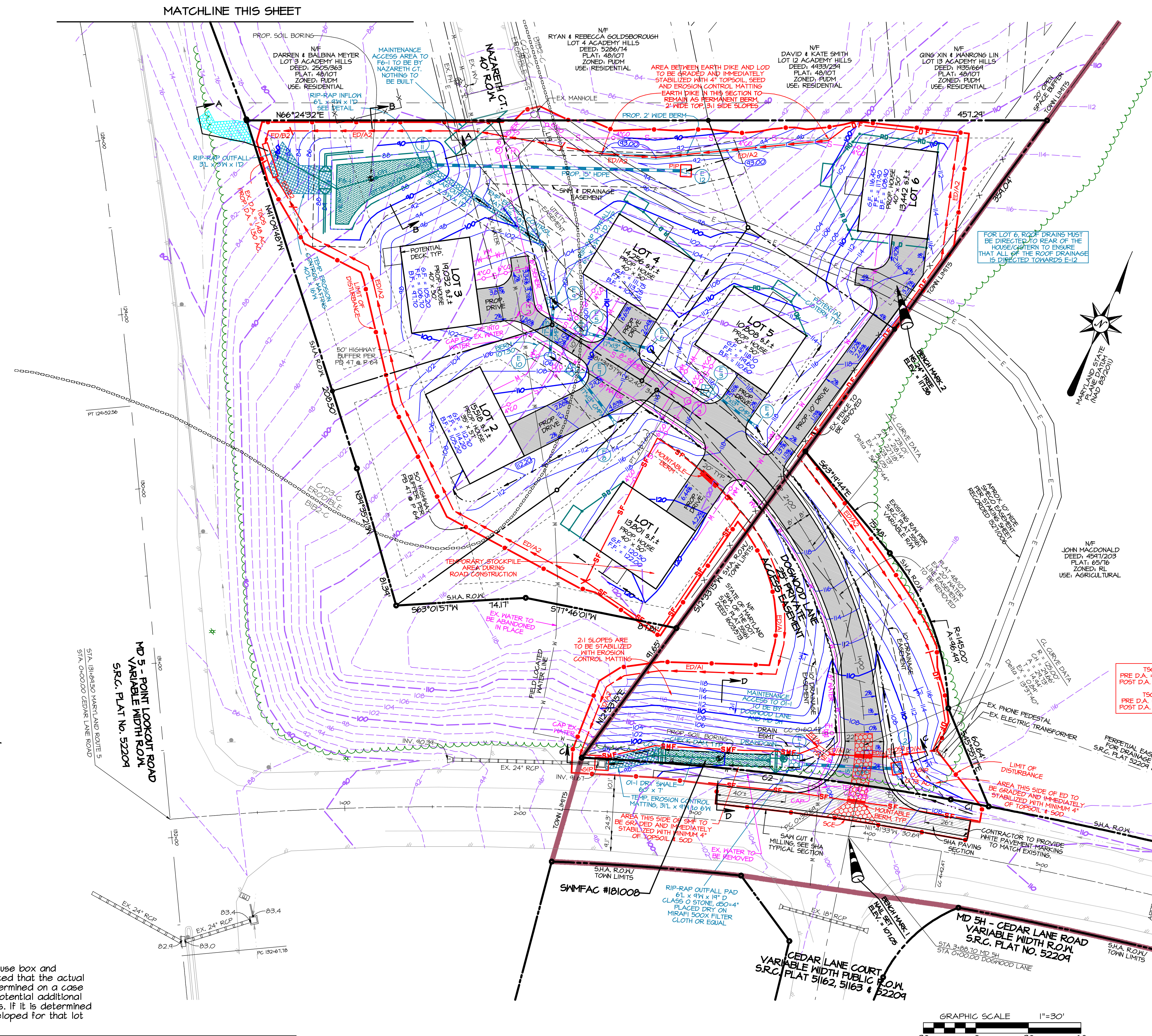
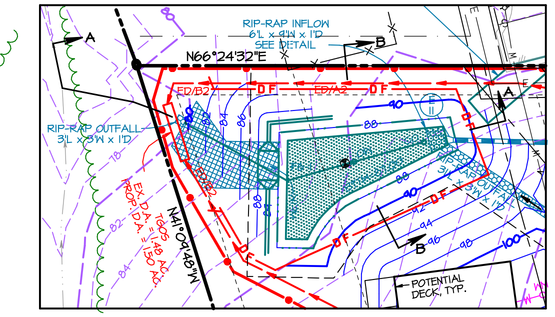




If all contributing areas to F6-1 are not stabilized when the contractor is ready to construct F6-1, then DF must be placed as shown on this detail.



F6-1 DIVERSION FENCE DETAIL

NOT TO SCALE

SEQUENCE OF CONSTRUCTION

1. Contractor shall arrange a Pre-Construction Meeting with the St. Mary's Soil Conservation District (301-475-8402: ext. 3) at least 5 days in advance of disturbances of any land on Site. — 1 to 2 days
2. Per SCD, install SMF, ED and TSOS's and grade the portion of the site along Cedar Lane Road first. Construct road entrance, pipe I/2 to E/1 and dry swale O1-1. This area is to be immediately stabilized with minimum 4" of topsoil and sod and the 2:1 slopes are to be immediately stabilized with minimum 4" of topsoil, seed and erosion control matting before continuing on to the rest of the project. Schedule during 3 days of no rain forecast. — 3 to 5 days
3. Clear and grub those areas necessary for the installation of the perimeter control devices. Install perimeter control devices concurrently with clearing and grubbing. Installation of perimeter controls should begin at the downstream end and work upstream, i.e. install the TGOS on Lot 3 then the earth dikes leading to it. Pipe E/12 to E/11 and the PIP are to be installed as part of the perimeter controls to drain the low spot located at E/12. — 10 to 15 days
4. Request approval of perimeter control devices by MDE prior to other land disturbance or grading. — 2 days +/-
5. Clear and grub the remainder of the site. Surround areas to be used for stormwater management structures with blaze orange fence to protect them from machinery during construction. — 20 to 30 days
6. Rough grade the remainder of the site, construct road, storm drain, water and sewer. Houses, driveways and driveway pipes are not to be constructed at this time, they will be constructed as part of the development of each lot. For utilities outside of perimeter controls, no more area shall be disturbed than can be stabilized the same day. (See Utility Installation Note). — 30 to 60 days
7. Final grading, landscaping & permanent stabilization of site with a minimum 4 inches topsoil, seed, and mulch. — 5 to 10 days
8. Install F6-1 once all contributing areas have been stabilized. If all contributing areas to F6-1 are not stabilized when the contractor is ready to construct F6-1, then DF must be placed as shown on the F6-1 Diversion Fence Detail shown on this sheet. — 5 to 10 days
9. Remove sediment control devices upon MDE inspector's approval. — 5 days +/-

SWM MAINTENANCE NOTE

The proposed O1-1 Dry Swale has been designed to treat SHA drainage. This facility, as well as the other SWM facilities constructed for this project, are the sole maintenance responsibility of Dogwood Development, LLC.

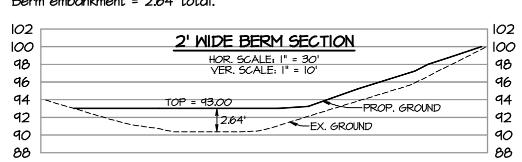
UTILITY INSTALLATION NOTE:

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

STABILIZATION NOTE:

The Contractor shall fully stabilize, by the end of each working day, all disturbed areas which do not drain to approved sediment control devices.

SWM Facility F6-1 and the 2' wide berm are exempt from the USDA Natural Resources Conservation Service Pond MD-378 Specifications which states ponds or other structures having less than 4-feet of embankment are exempt from Soil Conservation District small pond approval.
F6-1 embankment = 3.89' total, effective height = 2.89'.
Berm embankment = 2.64' total.



The lot development shown is the typical development for each lot. The house box and driveway were used to calculate the required ESD volume. It should be noted that the actual lot development may differ from what is shown on this plan and will be determined on a case by case bases as the lots are developed. Cisterns have been shown as potential additional ESD but have not been included in the calculations provided on these plans. If it is determined during lot development that additional ESD is required, a plan will be developed for that lot showing proposed ESD practices; cisterns, drywells, etc.

STORMWATER MANAGEMENT SUMMARY TABLE

No.	AREA	IMPERV. AREA	PERVIOUS AREA	% IMPRV.	% OF SITE	TARGET ESDv	MAXIMUM ESDv	ACTUAL ESDv	ACTUAL Pe	ACTUAL Rev (% AREA)	STRUCTURE No.	PRACTICE DESCRIPTION
DA-1	50,607 s.f.	18,334 s.f.	32,273 s.f.	36%	51.0%	2537.5 c.f.	4440.6 c.f.	3178.2 c.f.	2.00	18,334 s.f.	F6-1	1039.104 S.F. BIORETENTION
DA-2	52,197 s.f.	9,923 s.f.	42,274 s.f.	19%	52.6%	1538.7 c.f.	2692.8 c.f.	785.0 c.f.	0.82	9,923 s.f.	O1-1	420 S.F. DRY SWALE
SUB	102,804 s.f.	28,257 s.f.	74,547 s.f.	27%	103.6%	4076.2 c.f.	7133.4 c.f.	3963.2 c.f.	1.56	28,257 s.f.	-	-
DA-3	* -3,591 s.f.	-1,354 s.f.	-2,237 s.f.	38%	-3.6%	-284.8 c.f.	-498.3 c.f.	0.0 c.f.	0.00	0 s.f.	-	UNTREATED
TOTAL	99,213 s.f.	26,903 s.f.	72,310 s.f.	27%	100.0%	3889.8 c.f.	6807.1 c.f.	3963.2 c.f.	1.63	28,257 s.f.	-	-

* Total Area based on Limit of Disturbance, Sub Area is the total drainage area for all ESD facilities.

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ENGINEER'S 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. 17625, expiration date 12/11/2025

William L. Mehaffey, P.E. — 2/8/2024 (Date)

STATE OF MARYLAND — William L. Mehaffey — No. 17625 — REGISTERED PROFESSIONAL ENGINEER

REVISIONS

6/16/23 EWB: Agency comments
11/2/23 EWB: Agency comments
12/21/23 EWB: Agency comments
1/26/24 EWB: Agency comments
2/8/24 EWB: Agency comments

LSR — LAND SURVEYING PLANNING — ENGINEERING * PERMITS — ENVIRONMENTAL SERVICES
LITTLE SILENCES REST, INC.
41650 COURT HOUSE DRIVE - SUITE 101 - P.O. BOX 2340
LEONARDTOWN, MD 20650
PHONE: (301) 475-2236 ~ WWW.LSRCORP.COM

DATE: 4/3/2023
JOB#: 0109-21
FOLDER: M32B23
SCALE: 1" = 30'
DRAWN: EWB
CHECKED: WLM
DATE PLOTTED: 2/8/2024

TOWN OF LEONARDTOWN No.: 70-16

ROAD PLANS

SWM AND ESC PLAN
DOGWOOD SUBDIVISION
LOT 1 ACADEMY HILLS
TAX MAP 32 - GRID 23 - PARCEL 402
LEONARDTOWN, MARYLAND
3rd ELECTION DISTRICT - ST. MARY'S COUNTY, MARYLAND
FOR: DOGWOOD DEVELOPMENT, LLC

HEALTH DEPT. NO.: XX-XXXX