

TRANS #	% STREAM VALLEY SLOPE	BUFFER EXT (2X SLOPE)	MINIMUM BUFFER	WETLANDS	>25% SLOPE	EXCLUDED AREA	TOTAL BUFFER
1	0.98	1.96	50		90.7		142.66
2	8.19	16.38	50		10.2		76.58
3	13.94	27.88	50		6.64		84.52
4	10.94	21.88	50				71.88
5	10.08	20.16	50				70.16
6	2.82	5.64	50				55.64
7	3.8	7.6	50				57.6
8	4.41	8.82	50				58.82
9	3.07	6.14	50				56.14
10	5.45	10.9	50				60.9
11	5.7	11.4	50				61.4
12	2.1	4.2	50				54.2
13	1.98	3.96	50				53.96
14	4.8	9.6	50				59.6
15	7.65	15.3	50				65.3
16	3.02	6.04	50				56.04
17	2.6	5.2	50				55.2
18	3.42	6.84	50				56.84
19	10.23	20.46	50				70.46
20	6.5	13	50				68
21	8.06	16.12	50				66.12
22	4.77	9.54	50				59.54
23	2.01	4.02	50				54.02
24	1.79	3.58	50	12.29			65.87
25	3.85	7.7	50				57.7
26	11.17	22.34	50				72.34
27	11.13	22.26	50				72.26
28	8.1	16.2	50				66.2
29	11.07	22.14	50				72.14
30	6.36	12.72	50				62.72
31	9.71	19.42	50				69.42
32	10.6	21.2	50				71.2
33	10.78	21.56	50		18.76	50.83	39.49
34	9.03	18.06	50				68.06
35	6.01	12.02	50				62.02
36	7.02	14.04	50				64.04
37	11.7	23.4	50		15.43		88.83
38	5.5	11.5	50				61.5
39	6	12	50				62
40	4.21	8.42	50				58.42
41	2.72	5.44	50				55.44
42	5.93	11.86	50				61.86
43	2.34	4.68	50				54.68
44	1.01	2.02	50				52.02
45	5.86	11.72	50				61.72
46	2.31	4.62	50				54.62
47	1.73	3.46	50				53.46
48	3.16	6.32	50				56.32
49	4.98	9.96	50				59.96
50	5.16	10.32	50				60.32
51	5.15	10.3	50				60.3
52	5.75	11.5	50				61.5
53	5.95	11.9	50				61.9
54	8.7	17.4	50				67.4
55	5.96	11.92	50				62.92
56	5.78	11.56	50				61.56
57	1.45	2.9	50				52.9
58	5.01	10.02	50	132.65			192.67
59	3.02	6.04	50	124.88			180.92
60	6.19	12.38	50				62.38
61	4.65	9.3	50				59.3
62	5.54	11.08	50				61.08
63	5.52	11.04	50				61.04
64	7.31	14.62	50				64.62
65	12.06	24.12	50				74.12
66	11.4	22.8	50				72.8
67	9.69	19.38	50				69.38
68	5.97	11.94	50				61.94
69	8.87	17.74	50				67.74
70	10.69	21.38	50				71.38
71	6.74	13.48	50				63.48
72	10.88	21.76	50				71.76
73	4.26	8.52	50				58.52
74	6.05	12.1	50				62.1
75	9.6	19.2	50		25.04		94.24
76	3.4	6.8	50				56.8
77	6.19	12.38	50				62.38
78	6.07	12.14	50				62.14
79	2.08	4.16	50				54.16
80	6.85	13.7	50				63.7
81	8.86	17.72	50				67.72
82	10.81	21.62	50				71.62
83	10.09	20.18	50				70.18
84	12.08	24.16	50				74.16
85	13	26	50				76
86	9.34	18.68	50				68.68
87	8.5	17	50				67
88	11.54	23.08	50	6.82			79.9
89	7.8	15.6	50	1.94			67.54
90	7.4	14.8	50	15.45			80.25
91	2.57	5.14	50	1.78			73.03
92	7.6	15.2	50	1.98			67.18

<b>CARROLL COUNTY HEALTH DEPARTMENT</b>	
BY: _____	DATE: _____
<b>CARROLL COUNTY PLANNING AND ZONING COMMISSION</b>	
BY: _____	DATE: _____
<b>ENGINEER</b>	
I certify that this plan of Sediment Control is designed with my personal knowledge of the site condition and has been designed to the Standards and specifications adopted by the Carroll County Soil Conservation District.	
ENGINEER _____	DATE _____
<b>OWNER'S CERTIFICATION</b>	
I/We hereby certify that all proposed work shown on these construction drawing(s) has been reviewed by Me/Ss and that I/We fully understand what is necessary to accomplish this work and that the work will be conducted in strict accordance with these plans. I/We also understand that any changes to these plans will require an amended plan to be reviewed and approved by the Planning Commission of the City of Taneytown.	
NAME(S) PRINTED: _____	DATE _____
OWNER	

<p align="center"><b>CARROLL COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF UTILITIES</b></p>	
BY: _____	DATE: _____
<p align="center"><b><u>SOIL CONSERVATION DISTRICT</u></b></p> <p>The Development Plan is approved for Soil Erosion and Sediment Control by the Soil Conservation District.</p>	
APPROVED _____	DATE _____
<p align="center"><b><u>DEVELOPER</u></b></p> <p>I certify that this plan will be implemented to the fullest extent, and all structures will be installed to the design and specifications as spelled out in this plan and that any responsible personnel involved in construction project will have a certification of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning this project. I also authorize periodic on-site evaluation by the Carroll Soil Conservation District Personnel and cooperating agencies.</p>	
DEVELOPER _____	DATE _____

Zoned: AG

Tax Map No. 19      Grid No. 19      Parcel No. 389  
First Election District      Carroll County, Maryland



- GENERAL NOTES
1. SUBJECT PROPERTY ZONED AGRICULTURE PER ZONING PLAN.
2. SITE ANALYSIS
- a. GROSS AREA OF TRACT = 54.21 AC.±
- b. GROSS AREA OF PRECINCT/LOT = 54.21 AC.± (245.54 SQ.Ft.)
- c. EXISTING/PROPOSED USE = AGRICULTURAL / CROFTOR STORAGE
- d. NEW IMPERVIOUS AREA = 3.2 AC.± (139,521 SQ.Ft.±) (3 AC. LOT AND 2 AC. DRIVE DRAINAGE DITCH)
3. TOTAL IMPERVIOUS AREA = 3.2 AC.± (139,521 SQ.Ft.±)
4. TAX MAP 19 IN GRID 19 PARCEL 389
5. CROFTOR/STORM DRAINAGE DITCH BASED ON AERIAL SURVEY PERFORMED BY MTLFS, DATED ON OR ABOUT SEPTEMBER 8, 2022.
6. PROPERTY OUTLINE SHOWN BASED ON A FIELD SURVEY PERFORMED BY DDC, INC. ON OR ABOUT SEPTEMBER 8, 2022. TOTAL AREA IS 54.21 ACRES.
7. THE PROPERTY SHOWN HEREON IS OWNED BY EVAPO, INC. BY DEED DATED DECEMBER 2, 2020, RECORDED AMONG THE LAND RECORDS OF CARROLL COUNTY IN LIBER 10625-2020.
8. THE LOCATION OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. THE OWNER SHALL OBTAIN RECORDS OF THE DEPARTMENT OF PUBLIC UTILITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
9. THE ENGINEER SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 THREE WORKING DAYS PRIOR TO BEGINNING ANY WORK IN THE VICINITY OF EXISTING UTILITIES.
10. THE PROPERTY SHALL NOTE THAT IN CASE OF DISCREPANCY BETWEEN THE SCALED SURVEY AND THE FIELD SURVEY, THE FIELD SURVEY SHALL PREVAIL.
11. ANY CHANGES TO THIS PLAN WILL REQUIRE AN AMENDED SITE DEVELOPMENT PLAN TO BE APPROVED BY THE CARROLL COUNTY PLANNING AND ZONING COMMISSION.
12. THIS SITE PLAN SHALL BECOME VOID EIGHTEEN MONTHS AFTER THE DATE OF COMPLETION OF THE STORM DRAIN CONSTRUCTION. ANY EXTENSION OF THIS PROJECT, UNLESS AN EXTENSION OF THIS TIME LIMIT IS ISSUED BY THE DIRECTOR OF THE DEPARTMENT OF PLANNING AND LAND MANAGEMENT.
13. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION MATERIALS OR EQUIPMENT MAY BE PARKED, PLACED OR STORED WITHIN ANY PUBLIC RIGHT-OF-WAY.
14. CORRELATED MANAGEMENT WILL BE PROVIDED IN ACCORDANCE WITH M.D.E. STORM WATER DESIGN MANUAL, VOLUMES 1 & II, REVISED 2004.
15. REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED BY THE COUNTY.
16. NO CEMETERIES EXIST WITHIN THIS PROPERTY.
17. ALL EXISTING AND PROPOSED STREETS ARE MAINTAINED BY THE PROPERTY OWNER.
18. THERE ARE EXISTING WETLANDS AND THEIR ASSOCIATED BUFFERS ON-SITE. FLOODPLAIN HAS BEEN IDENTIFIED ON SITE. BOTH WILL BE IMPACTED BY THE PROPOSED ENTRANCE. THERE ARE NO WETLANDS OR FLOODPLAIN AREAS ON OVERLAPPING OF THE PROPOSED ENTRANCE DURING THE 10 YEAR STORM.
19. ALL STORM DRAIN CONSTRUCTION SHALL CONFORM TO CARROLL COUNTY'S "FLOOD PREVENTION AND PROTECTION OF STREETS AND SUBURBAN MANAGEMENT FACILITIES" WHICH SHALL TAKE PRECEDENCE OVER OTHER NOTES ON THE DRAWINGS.
20. THIS SITE IS LOCATED IN THE 5th FIRE AND EMERGENCY SERVICES DISTRICT.
21. EXCAVATION OR TRENCHING OF EXISTING UTILITIES ON THIS PROJECT EXTENDS INTO RESTRICTING LAYERS OF BEDROCK. SHOULD NON-RIPPABLE ROCK BE ENCOUNTERED, HAMMERING OR BLASTING SHALL BE REQUIRED.
22. THE GRADING PERMIT THE OWNER SHALL OBTAIN ALL REQUIRED ISSUANCES OF THE GRADING PERMIT AND PERMITS FROM THE COUNTY PRIOR TO LETTER OF THE GRADING PERMIT.
23. A NOTICE OF INTENT (NOI) SHALL BE OBTAINED FOR DISTURBANCES GREATER THAN ONE ACRE. A GENERAL PERMIT APPLICATION WILL BE SUBMITTED FOR THIS PROJECT.
24. EXCAVATION OF EXISTING ROAD AND STREETS SHALL BE DEEPER THAN CROUSE MILL ROAD TO THE WEST OF THE SITE. THE 100-YEAR STORM OVERTOPS CROUSE MILL ROAD BY SIGNIFICANTLY LESS DEPTH THAN EXISTING DUE TO THE PROPOSED LARGER EXCAVATION. EXCAVATION OF EXISTING ROAD AND STREETS SHALL BE DEEPER THAN CROUSE MILL ROAD AT ALL A WATER RESOURCE PROTECTION EASEMENT WILL BE PROVIDED WITH THE FINAL PLAN APPROVAL.
25. THE PROPERTY SHALL HAVE PROTECTION AND A WELLHEAD PROTECTION AREA.
26. THE EQUIPMENT STORAGE YARD IS FOR NEW AIR HANDLING EQUIPMENT AND WILL NOT BE USED FOR STORAGE OF TOXIC OR REGULATED SUBSTANCES. THE SITE IS NOT A HOT SPOT AS DEFINED BY MDE.
27. THE SITE DOES NOT LIE WITHIN A TIER II CATCHMENT AS DESIGNATED BY MDE.
28. THE OWNER, THE ENGINEER, THE ENGINEER OF RECORD, THE FACILITY, THE EXTENTS OF THE PROPERTY.
29. THE THREE ACRE EQUIPMENT STORAGE YARD IS SECURED BY A PROPOSED CHAINLINK FENCE. THE PROPOSED FENCE SURROUNDING THE FACILITY, THE EXTENTS OF THE APPROVED THREE ACRE AREA.
30. THE PROPOSED FENCE SURROUNDING THE PUBLIC FIRE HYDRANT IS LOCATED AT THE INTERSECTION OF MD 194 AND ALLENDALE LANE APPROXIMATELY 2500 FEET FROM THE SITE.
31. PER A PHONE CONVERSATION WITH THE CITY OF TAYNE/TOWN, THE TAYNE/TOWN GREENWAY IS SHOWN AS CURRENTLY PLANNED.
32. ON SEPTEMBER 29, 2023 THE CARROLL COUNTY BOARD OF ZONING APPEALS (CASE NO. 6469), APPROVED THE PROPOSED USE FOR A ONE (1) ACRE EQUIPMENT STORAGE YARD AND MULTIPLE VARIANCES.
33. A VARIANCE REQUEST WAS GRANTED FROM THE 1 ACRE REQUIREMENT TO 3 ACRES
34. A DISTANCE VARIANCE REQUEST WAS GRANTED FROM THE 600 FOOT REQUIREMENT TO 117 FEET FROM THE PROPERTY LOCATED AT 2725 CROUSE MILL ROAD.
35. A DISTANCE VARIANCE REQUEST WAS GRANTED FROM THE 600 FOOT REQUIREMENT TO 449 FEET FROM THE PROPERTY LOCATED AT 2600 CROUSE MILL ROAD.
36. A DISTANCE VARIANCE REQUEST WAS GRANTED FROM THE 600 FOOT REQUIREMENT TO 510 FEET FROM THE PROPERTY LOCATED AT 2600 CROUSE MILL ROAD.
37. A DISTANCE VARIANCE REQUEST WAS GRANTED FROM THE 600 FOOT REQUIREMENT TO 180 FEET FROM THE PROPERTY LOCATED AT 2600 CROUSE MILL ROAD.
38. IN ADDITION TO THE CONSIDERATION OF THE VARIANCES IN CASE #6469, THE CONDITIONAL USE OF THE AREA AS AN EQUIPMENT STORAGE HAS BEEN APPROVED WITH THE FOLLOWING CONDITIONS:
39. THERE WILL BE NO TRUCKS AT THE SITE.
40. THE HOURS AT THE SITE WILL BE FROM 7 a.m. TO 6 p.m. FROM MONDAY THRU FRIDAY WITH NO TRUCKS ON SATURDAY.
41. THERE WILL BE NO MANUFACTURING CONDUCTED ON THE SITE AND IT WILL SOLELY BE USED FOR THE STORAGE OF EQUIPMENT.
42. THE COORDINATES SHOWN HEREON ARE REFERRED TO THE SYSTEM OF COORDINATES ESTABLISHED IN THE MARYLAND COORDINATE SYSTEM - NAD 83 (1991) AND ARE BASED UPON THE FOLLOWING NATIONAL SPATIAL REFERENCE SYSTEM CONTROL STATIONS PROVIDED BY THE NATIONAL GEODETIC SURVEY:
- | DESIGNATION | NORTH (FT.) | EAST (FT.) | ELEV. (NAD. 1986) |
|-------------|-------------|------------|-------------------|
| BAT 425     | 720504.74   | 1259612.13 | 544.691           |
| BAT 426     | 720504.74   | 1259612.13 | 544.691           |

1. CONTRACTOR SHALL NOTIFY THE CARROLL COUNTY BUREAU OF PERMITS AND INSPECTIONS AT 410-386-2674, AT LEAST ONE (1) DAY PRIOR TO BEGINNING ANY WORK.
2. SITE COMPLIANCE INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES DURING CONSTRUCTION:
  - A. \_\_\_\_\_ PROPOSED STRUCTURES STAKED OUT IN PROPER LOCATIONS AS SHOWN ON THESE APPROVED PLANS.
  - B. \_\_\_\_\_ PROPOSED FOUNDATIONS INSTALLED FOR ALL BUILDINGS SHOWN ON THESE APPROVED PLANS.
  - C. \_\_\_\_\_ SUB-GRADES ESTABLISHED FOR ALL DRIVES, PARKING LOTS, AND SURROUNDING GRADING.
  - D. \_\_\_\_\_ COMPLETION OF ALL DRIVES, PARKING LOTS, AND SURROUNDING GRADING.
  - E. \_\_\_\_\_ COMPLETION OF ALL WORK SHOWN ON PLAN.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE CARROLL COUNTY BUREAU OF PERMITS AND INSPECTIONS AT 410-386-2674 UPON COMPLETION OF EACH PHASE OF CONSTRUCTION.
4. CONTRACTOR SHALL NOTIFY CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT, ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 PRIOR TO BEGINNING ANY WORK. ALL FOREST CONSERVATION PLAN DEVICES MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION.
5. FINAL LANDSCAPING INSPECTION SHALL BE ARRANGED THROUGH THE BUREAU OF RESOURCE MANAGEMENT, ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 BY THE CONTRACTOR. DEVIATIONS FROM THE FOREST CONSERVATION PLAN MUST BE REVIEWED BY A FOREST MANAGEMENT SPECIALIST. BUREAU OF RESOURCE MANAGEMENT MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE LANDSCAPING OR FOREST CONSERVATION PLANS OR MODIFICATIONS IN THE PLANT MATERIAL.
6. THE CONTRACTOR SHALL NOT PROCEED TO THE NEXT PHASE OF CONSTRUCTION UNTIL GIVEN APPROVAL OF PRIOR PHASE.

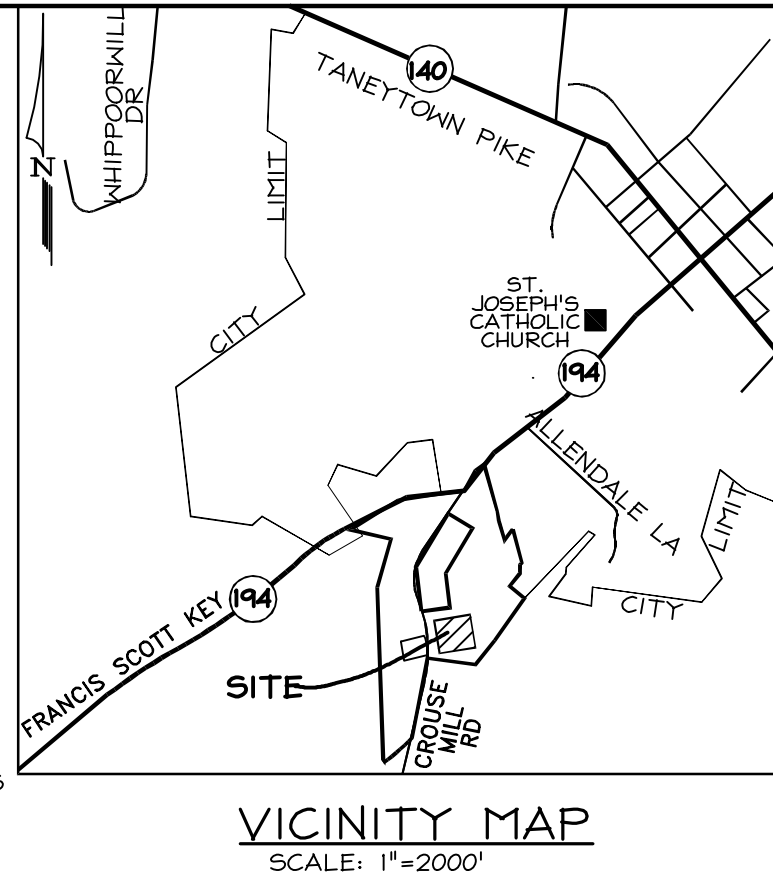
LEGEND	
SYMBOL	DESCRIPTION
	EXISTING CONTOUR 2' INTERVAL
	EXISTING CONTOUR 10' INTERVAL
	EXISTING OVERHEAD ELECTRIC LINE
	SOILS LINE
	EXISTING TREELINE
	EXISTING STREAM
	EXISTING TREE
	EXISTING WETLANDS
	PROPOSED CONTOUR 2' INTERVAL
	PROPOSED CONTOUR 10' INTERVAL
	PROPOSED FENCE
	PROPOSED CONCRETE
	PROPOSED MACADAM PAVING
	PROPOSED BORING
	PROPOSED CRUSHED STONE
	PROPOSED TREELINE
	ZONING DIVIDES

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:  
JAN 25, 2026

5/7/2025  
DATE



PAUL G. CAVANAUGH  
PROFESSIONAL ENGINEER NO. 27020



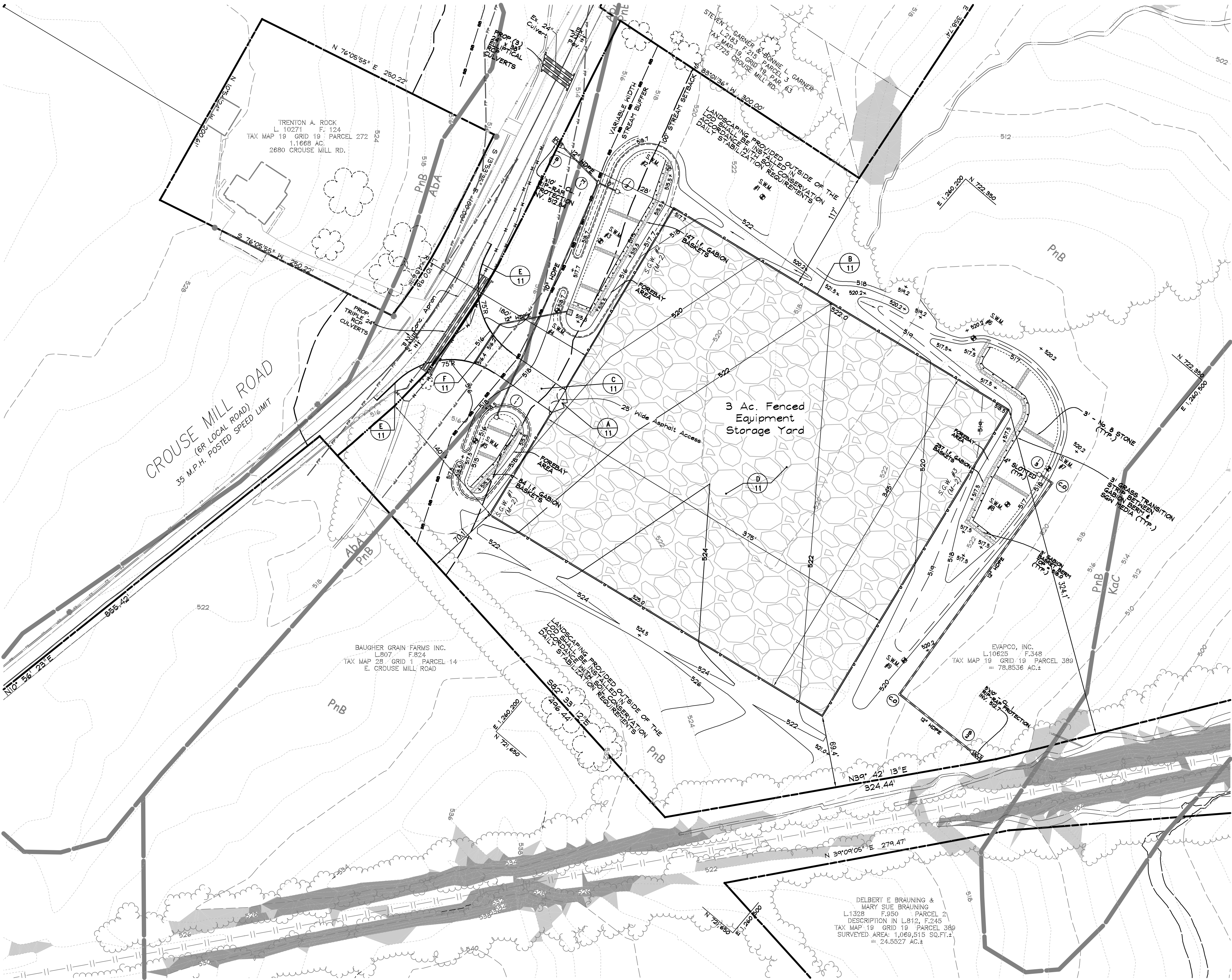
 <p style="text-align: right; margin-top: 20px;"> <b>Planners</b>  <b>Surveyors</b>  <b>Engineers</b>  <b>Landscape Architects</b> </p> <p style="text-align: right; margin-top: 20px;">             192 East Main Street              Westminster, MD 21157              410.386.0560              410.386.0564 (Fax)              DDC @ DDcinc.us              www.DDCinc.us         </p>				
<b>OWNER:</b> EVAPCO, INC. 5151 ALLENDALE LANE TANEYTOWN, MD 21787 (410) 879-3782	<b>DEVELOPER:</b> EVAPCO, INC. 5151 ALLENDALE LANE TANEYTOWN, MD 21787 (410) 879-3782			
<b>SITE ADDRESS:</b> CROUSE MILL ROAD TANEYTOWN, MD 21787				
<b>EVAPCO, INC.</b> <b>EQUIPMENT STORAGE YARD</b> <b>SITE PLAN</b> <b>COVER SHEET</b>				
<b>COMMISSIONER DISTRICT 1</b> <b>1ST ELECTION DISTRICT</b>				
<b>CARROLL COUNTY, MD</b>				
REVISIONS				
NO.	DESCRIPTION OF CHANGES	DRN.	REV.	DATE
CO. FILE # S-24-0009	DES. BY: M.R.T.			
TAX ACC. #: 025473	DRN. BY: J.C.L.			
TAX MAP: 19	CHK. BY: P.G.C.			
BLOCK / GRID: 19	DATE: 5/7/25			
PARCEL # : 389	DDC JOB#: 07006.7			
ZONE / USE: AGRICULTURE		SHEET NUMBER:		
DWG. SCALE: AS SHOWN		1 of 12		



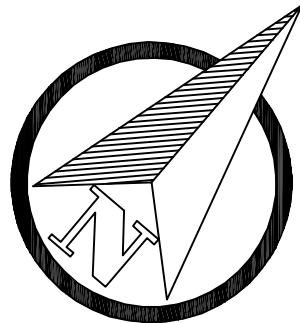
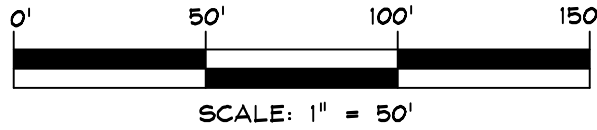
SOILS LEGEND		
SOIL	NAME	GROUP
AbA	Abbotstown silt loam, 0 to 3 percent slopes	D
PnB	Penn Channery loam, 2 to 8 percent slopes	B

LEGEND	
SYMBOL	DESCRIPTION
---408---	EXISTING CONTOUR 2' INTERVAL
---410---	EXISTING CONTOUR 10' INTERVAL
---	EXISTING OVERHEAD ELECTRIC LINE
AbA	SOILS LINE
PnB	SOILS LINE
---	EXISTING TREELINE
---	EXISTING STREAM
---	EXISTING TREE
---	EXISTING WETLANDS
---408---	PROPOSED CONTOUR 2' INTERVAL
---410---	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED FENCE
---	PROPOSED CONCRETE
---	PROPOSED MACADAM PAVING
S.W.M. #1	PROPOSED BORING
---	PROPOSED CRUSHED STONE
---	PROPOSED TREELINE
---	ZONING DIVIDES

Note:  
See Sheets 6-8 For Submerged Gravel Wetland  
Plans & Details.



SITE PLAN



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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  
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JAN 25, 2026

5/7/2025  
DATE

PAUL G. CAVANAUGH  
PROFESSIONAL ENGINEER NO. 27020

DDC Inc.  
Development Design Consultants

Planners  
Surveyors  
Engineers  
Landscape Architects

192 East Main Street  
Westminster, MD 21157  
410.386.0560  
410.386.0564 (Fax)  
DDC@DDCinc.us  
www.DDCinc.us

OWNER:  
EVAPCO, INC.  
5151 ALLENDALE LANE  
TANETOWN, MD 21787  
(410) 876-3782

DEVELOPER:  
EVAPCO, INC.  
5151 ALLENDALE LANE  
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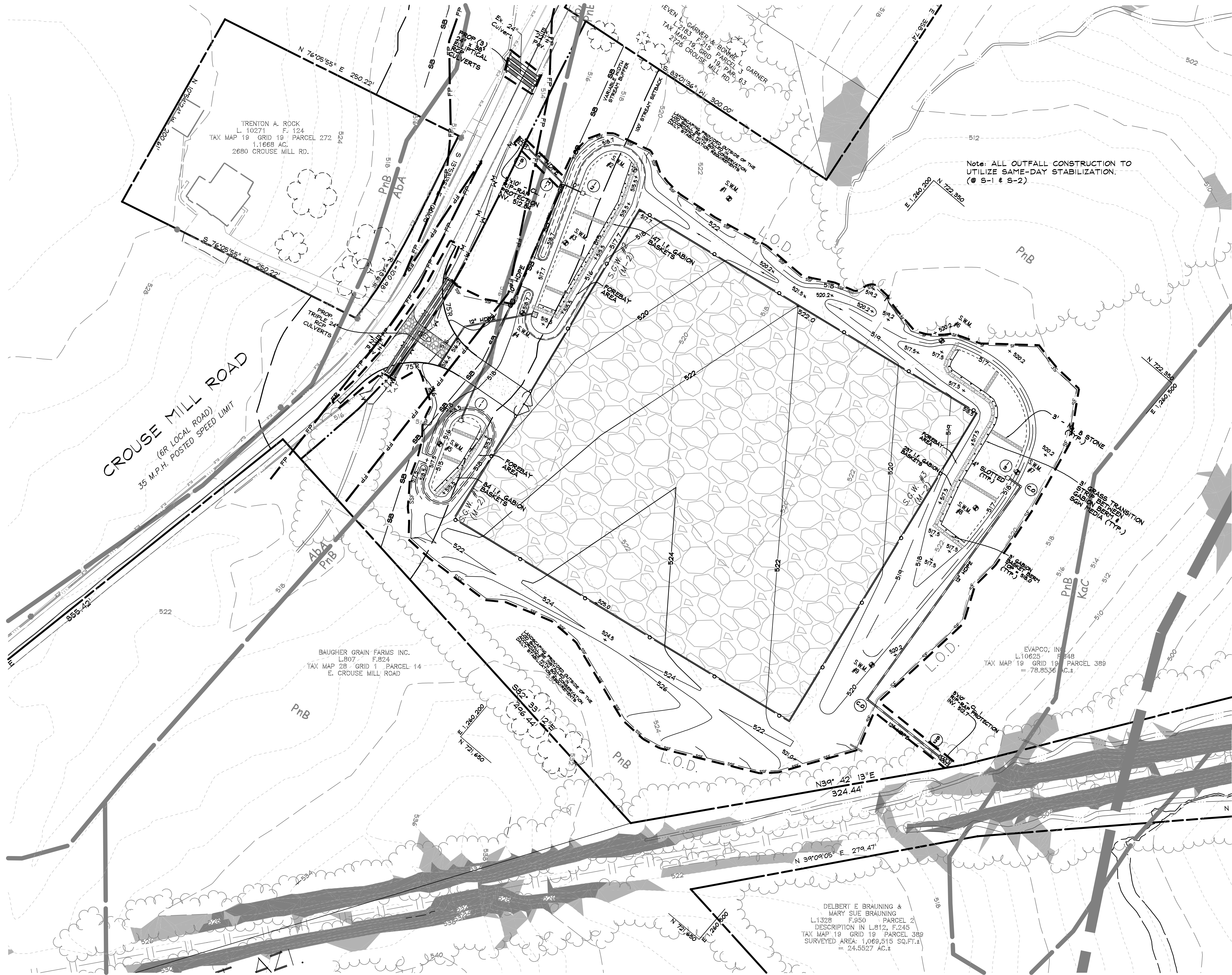
SITE ADDRESS:  
CROUSE MILL ROAD  
TANETOWN, MD 21787

EVAPCO, INC.  
EQUIPMENT STORAGE YARD  
SITE PLAN  
SITE PLAN

COMMISSIONER DISTRICT 1  
1ST ELECTION DISTRICT CARROLL COUNTY, MD

REVISIONS			
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TAX MAP:	19	CHK. BY:	P.G.C.
BLOCK / GRID:	19	DATE:	5/7/25
PARCEL #:	389	DDC JOB#:	07006.7
ZONE / USE:	AGRICULTURE	SHEET NUMBER:	2 of 12
DWG. SCALE:	AS SHOWN		

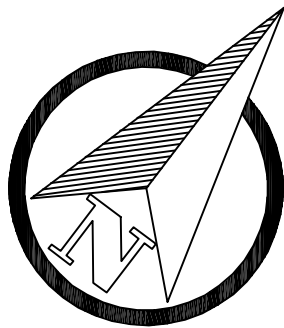




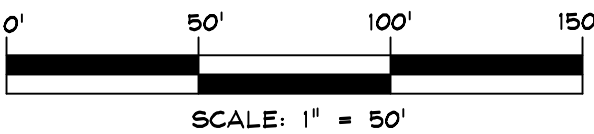
LEGEND	
SYMBOL	DESCRIPTION
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	PROPOSED FENCE
	PROPOSED CONCRETE
	PROPOSED MACADAM PAVING
S.W.M. #1	BORING LOCATION
	PROPOSED CRUSHED STONE
	PROPOSED TREELINE
II	ZONING DIVIDES

SEDIMENT CONTROL LEGEND

SF	SF	SF	SILT FENCE
SSF	SSF	SSF	SUPER SILT FENCE
			STABILIZED CONSTRUCTION ENTRANCE
			L.O.D.
			LIMIT OF DISTURBANCE



SEDIMENT & EROSION CONTROL PLAN



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  
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JAN 23, 2025

5/7/2025  
DATE

PAUL G. CAVANAUGH  
PROFESSIONAL ENGINEER NO. 27020

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SITE ADDRESS:  
CROUSE MILL ROAD  
TANETOWN, MD 21787

EVAPCO, INC.  
EQUIPMENT STORAGE YARD  
SITE PLAN  
SEDIMENT & EROSION  
CONTROL PLAN

COMMISSIONER DISTRICT 1  
1ST ELECTION DISTRICT CARROLL COUNTY, MD

REVISIONS			
NO.	DESCRIPTION OF CHANGES	DRN	REV. DATE

CO. FILE #: S-24-0009	DES. BY: M.R.T.
TAX ACC. #: 025473	DRN. BY: J.C.L.
TAX MAP: 19	CHK. BY: P.G.C.
BLOCK / GRID: 19	DATE: 5/7/25
PARCEL #: 389	DDC JOB#: 07006.7
ZONE / USE: AGRICULTURE	SHEET NUMBER:
DWG. SCALE: AS SHOWN	3 of 12



STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

Section I - Vegetative Stabilization Methods and Materials

A. Site Preparation

- i. Install erosion and sediment control structures (either temporary or permanent) such as diversions, grade stabilization structures, berms, waterways, or sediment control basins.
- ii. Perform all grading operations at right angles to the slope. Final grading and shaping is not usually necessary for temporary seeding.
- iii. Schedule required soil test to determine soil amendment composition and application rates for sites having disturbed area over 5 acres.

B. Soil Amendments (Fertilizer and Lime Specifications)

- i. Soil test must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites where more than 5 acres of disturbed area will be performed by the University of Maryland or a recognized commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.
- ii. Fertilizers shall be uniform in composition, free flowing and suitable for accurate application by approved equipment. Fertilizer may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers shall all be delivered to the site fully labeled according to the applicable state fertilizer laws and shall bear the name, trade name or trademark and warranties of the producer.
- iii. Lime materials shall be ground limestone (hydrated or burnt lime may be substituted) which contains at least 50% total oxides (calcium oxide plus magnesium oxide). Limestone shall be ground to such fineness that at least 50% will pass through a #100 mesh sieve and 95 - 100% will pass through a #20 mesh sieve.
- iv. Incorporate lime and fertilizer into the top 3 - 5" of soil by disking or other suitable means.

C. Seedbed Preparation

i. Temporary Seeding

- a. Seedbed preparation shall consist of loosening soil to a depth of 3" to 5" by means of suitable agricultural or disc harrows or roller plows or rippers mounted on construction equipment. After the soil is loosened it should not be rolled or dragged smooth but left in the rougher condition (greater than 3:1) and the treated surface shall be left in the rougher condition with ridges running parallel to the contour of the slope.
- b. Apply fertilizer and lime as prescribed on the plans.
- c. Incorporate lime and fertilizer into the top 3 - 5" of soil by disking or other suitable means.

ii. Permanent Seeding

- a. Minimum soil conditions required for permanent vegetative establishment:
1. Soil pH shall be between 6.0 and 7.0
  2. Soluble salts shall be less than 500 parts per million (ppm).
  3. The soil shall contain less than 40% clay but enough fine grained material (> 30% silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception is if loessgrass or serotia lespedeza is to be planted, then a sandy soil (< 30% silt plus clay) would be acceptable.
  4. Soil shall contain 1.5% minimum organic matter by weight.
  5. Soil must contain sufficient pore space to permit adequate root penetration.
  6. If these conditions cannot be met by the soils on site, adding topsoil is required in accordance with Section 21 Standard and Specification for Topsoil.
- b. Areas previously graded in conformance with the drawings shall be maintained in a true and even grade, then scarified or otherwise loosened to a depth of 3 - 5" to permit bonding of the topsoil to the surface area and to create horizontal erosion check cuts to prevent topsoil from sliding down a slope.
- c. Apply soil amendments as per soil test or as included on the plans.
- d. Mix soil amendments into the top 3 - 5" of topsoil by disking or other suitable means. Lawn areas should be rolled to smooth the surface, remove large objects like stones and branches, and ready the area for seed application. Where site conditions will not permit normal seedbed preparation, loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface. Slopes greater than 3:1 should be tracked by the equipment to break up the surface on an irregular condition with ridges running parallel to the contour of the slope. The top 3" of soil should be loose and friable. Seedbed loosening may not be necessary on newly disturbed areas.

D. Seed Specifications

- i. All seed must meet the requirements of the Maryland State Seed Law. All seed shall be subject to re-testing by a recognized seed laboratory. All seed used shall have been tested within the 6 months immediately preceding the date of sowing such material on this job.
- Note: Seed tags shall be made available to the inspector to verify type and rate of seed used.
- ii. Inoculant - The inoculant for treating legume seed in the seed mixtures shall be a pure culture of bacteria prepared specifically for the species. Inoculants shall be used later than the dates indicated on the container. Add fresh inoculant as directed on package. Use four times the recommended rate when hydroseeding. Note: It is very important to keep inoculant as cool as possible until used. Temperatures above 75-80° F. can weaken bacteria and make the inoculant less effective.

E. Methods of Seeding

- i. Hydroseeding: Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer), broadcast or drop seeder, or a cultipacker seeder.
- a. If fertilizer is being applied at the time of seeding, the application rates amounts will not exceed the following: nitrogen, maximum of 100 lbs. per acre total of soluble nitrogen; P205 (phosphorus); 200 lbs/acre; K2O (potassium): 200 lbs/acre.
- b. Lime - use only ground agricultural limestone. (Up to 3 tons per acre may be applied by hydroseeding). Normally, not more than 2 tons are applied by hydroseeding at any one time. Do not use burnt or hydrated lime when hydroseeding.
- c. Seed and fertilizer shall be mixed on site and seeding shall be done immediately and without interruption.
- ii. Dry Seeding: This includes use of conventional drop or broadcast spreaders.
- a. Seed spread dry shall be incorporated into the subsoil at the rates prescribed on the Temporary or Permanent Seeding Summaries or Tables 25 or 26. The seeded area shall then be rolled with a weighted roller to provide good seed soil contact.
- b. Where practical, seed should be applied in two directions perpendicular to each other. Apply half the seeding rate in each direction.
- iii. Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil.
- a. Cultipacking seeders are required to bury the seed in such a fashion as to provide at least 1/4 inch of soil covering. Seedbed must be firm after planting.
- b. Where practical, seed should be applied in two directions perpendicular to each other. Apply half the seeding rate in each direction.

F. Mulch Specifications (In order of preference)

- i. Straw shall consist of thoroughly threshed wheat, rye or oat straw, reasonably bright in color, and shall not be musty, moldy, coated, decayed, or excessively dusty and shall be free of noxious weed seeds as specified in the Maryland Seed Law.
- ii. Wood Cellulose Fiber Mulch (WCFCM)
- a. WCFCM shall consist of specially prepared wood cellulose processed into a uniform fibrous physical state.
- b. WCFCM shall be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate visual inspection of the uniformly spread slurry.
- c. WCFCM, including dye, shall contain no germination or growth inhibiting factors.
- d. WCFCM materials shall be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension in water under agitation and will blend with seed, fertilizer and other additives to form a homogeneous slurry. The mulch material shall form a blotter-like ground cover, an application, having moisture absorption and percolation properties and shall cover and hold grass seed in contact with the soil without inhibiting the growth of the grass seedlings.
- e. WCFCM material shall contain no elements or compounds at concentration levels that will be phyto-toxic.
- f. WCFCM must conform to the following physical requirements: fiber length to approximately 10 mm, diameter approximately .02 mm, pH range of 4.0 to 8.5, ash content of 1.6% maximum and water holding capacity of 40% minimum.
- Note: Only sterile straw much should be used in areas where one species of grass is desired.

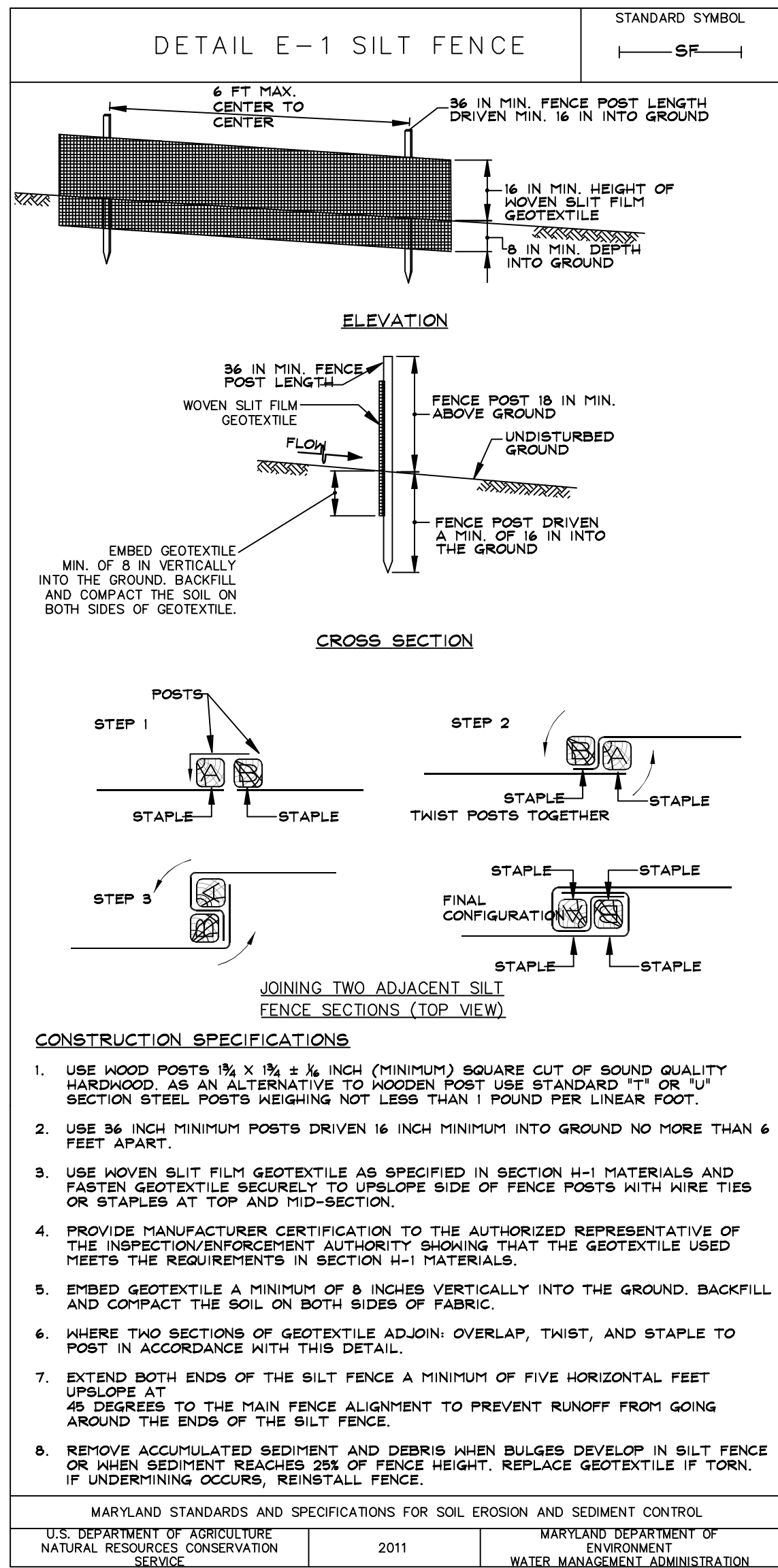
G. Mulching Seeded Areas - Mulch shall be applied to all seeded areas immediately after seeding.

- i. If grading is completed outside of the seeding season, mulch alone shall be applied as prescribed in this section and maintained until the seeding season returns and seeding can be performed in accordance with these specifications.
- ii. When straw mulch is used, it shall be spread over all seeded areas at the rate of 2 tons/acre. Mulch shall be applied to a uniform loose depth of between 1" and 2". Mulch applied shall achieve a uniform distribution and depth so that the soil surface is not exposed. If a mulch anchoring tool is to be used, the rate should be increased to 2.5 tons/acre.
- iii. Wood cellulose fiber used as a mulch shall be applied at a net dry weight of 1,500 lbs. per acre. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lbs. of wood cellulose fiber per 100 gallons of water.
- H. Securing Straw Mulch (Mulch Anchoring): Mulch anchoring shall be performed immediately following mulch application to minimize loss by wind or water. This may be done by one of the following methods (listed by preference), depending upon size of area and erosion hazard:
- i. A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch into the soil surface a minimum of two (2) inches. This practice is most effective on large areas, but is limited to flatter slopes where equipment can operate safely. If used on sloping land, this practice should be used on the contour if possible.
  - ii. Wood cellulose fiber may be used for anchoring straw. The fiber binder shall be applied at a net dry weight of 750 pounds/acre. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water.
  - iii. Application of liquid binders should be heavier at the edges where wind catches mulch, such as in valleys or on crest of banks. The remainder of area should appear uniform after binder application. Synthetic binders - such as Acrylic DLR (Agra-Tack), DCA-70, Petrosat, Terra Tex II, Terra Tack AR or other approved equal may be used at rates recommended by the manufacturer to anchor mulch.
  - iv. Lightweight plastic netting may be stapled over the mulch according to manufacturer's recommendations. Netting is usually available in rolls 4' to 15' feet wide and 300 to 3,000 feet long.
- I. Incremental Stabilization -- Cut Slopes -- See G-20-6
- J. Incremental Stabilization -- Fill Slopes -- See G-20-7

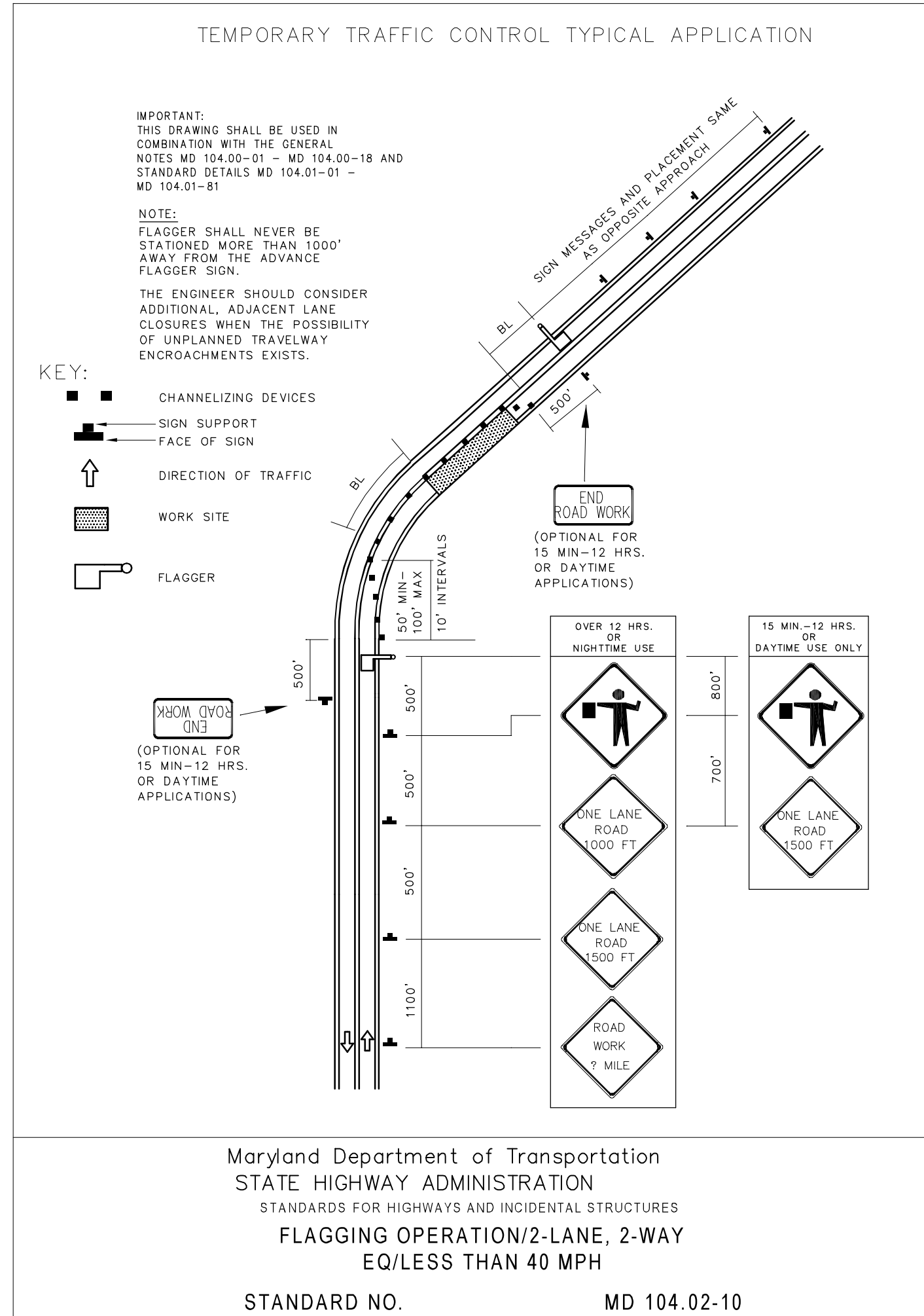
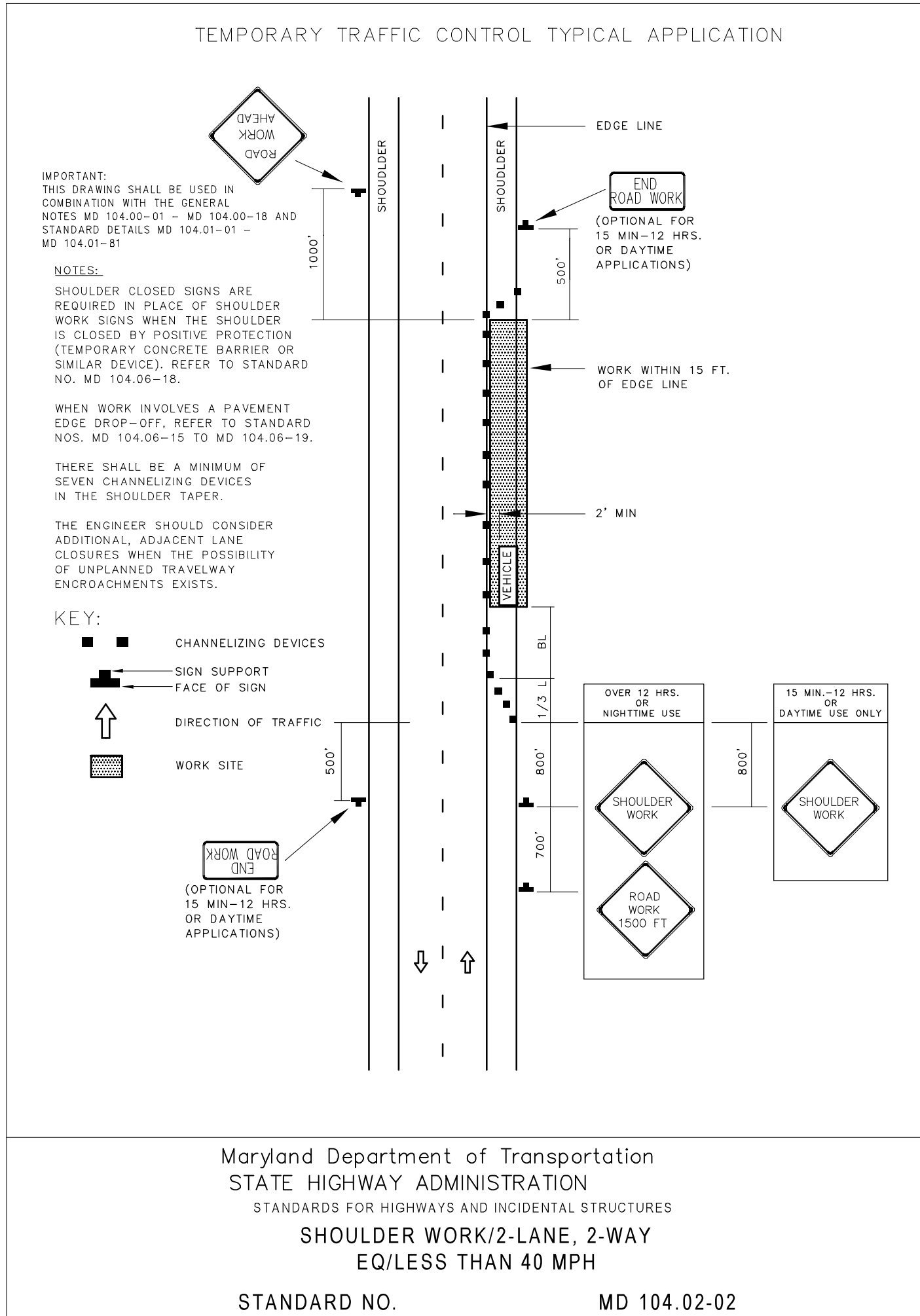
TABLE 25: PERMANENT SEEDING FOR LOW MAINTENANCE AREAS

MIX	SEED MIX USE CERTIFIED MATERIAL IF AVAILABLE	PLANTING		SITE CONDITIONS	USDA HARDNESS ZONES	3/1- 3/15 3/16- 4/2 4/3- 4/15 4/16- 5/31 5/1- 5/15 5/16- 6/2 6/3- 6/15 6/16- 7/1 7/2- 7/15 7/16- 8/1 8/2- 8/15 8/16- 9/1 9/2- 9/15 9/16- 10/1 10/2- 10/15 10/16- 11/1 11/2- 11/15 11/16- 12/1 12/2- 12/15 12/16- 1/1 1/2- 1/15 1/16- 2/1 2/2- 2/15 2/16- 3/1 3/2- 3/15 3/16- 4/1 4/2- 4/15 4/16- 5/1 5/2- 5/15 5/16- 6/1 6/2- 6/15 6/16- 7/1 7/2- 7/15 7/16- 8/1 8/2- 8/15 8/16- 9/1 9/2- 9/15 9/16- 10/1 10/2- 10/15 10/16- 11/1 11/2- 11/15 11/16- 12/1 12/2- 12/15 12/16- 1/1 1/2- 1/15 1/16- 2/1 2/2- 2/15 2/16- 3/1 3/2- 3/15 3/16- 4/1 4/2- 4/15 4/16- 5/1 5/2- 5/15 5/16- 6/1 6/2- 6/15 6/16- 7/1 7/2- 7/15 7/16- 8/1 8/2- 8/15 8/16- 9/1 9/2- 9/15 9/16- 10/1 10/2- 10/15 10/16- 11/1 11/2- 11/15 11/16- 12/1 12/2- 12/15 12/16- 1/1 1/2- 1/15 1/16- 2/1 2/2- 2/15 2/16- 3/1 3/2- 3/15 3/16- 4/1 4/2- 4/15 4/16- 5/1 5/2- 5/15 5/16- 6/1 6/2- 6/15 6/16- 7/1 7/2- 7/15 7/16- 8/1 8/2- 8/15 8/16- 9/1 9/2- 9/15 9/16- 10/1 10/2- 10/15 10/16- 11/1 11/2- 11/15 11/16- 12/1 12/2- 12/15 12/16- 1/1 1/2- 1/15 1/16- 2/1 2/2- 2/15 2/16- 3/1 3/2- 3/15 3/16- 4/1 4/2- 4/15 4/16- 5/1 5/2- 5/15 5/16- 6/1 6/2- 6/15 6/16- 7/1 7/2- 7/15 7/16- 8/1 8/2- 8/15 8/16- 9/1 9/2- 9/15 9/16- 10/1 10/2- 10/15 10/16- 11/1 11/2- 11/15 11/16- 12/1 12/2- 12/15 12/16- 1/1 1/2- 1/15 1/16- 2/1 2/2- 2/15 2/16- 3/1 3/2- 3/15 3/16- 4/1 4/2- 4/15 4/16- 5/1 5/2- 5/15 5/16- 6/1 6/2- 6/15 6/16- 7/1 7/2- 7/15 7/16- 8/1 8/2- 8/15 8/16- 9/1 9/2- 9/15 9/16- 10/1 10/2- 10/15 10/16- 11/1 11/2- 11/15 11/16- 12/1 12/2- 12/15 12/16- 1/1 1/2- 1/15 1/16- 2/1 2/2- 2/15 2/16- 3/1 3/2- 3/15 3/16- 4/1 4/2- 4/15 4/16- 5/1 5/2- 5/15 5/16- 6/1 6/2- 6/15 6/16- 7/1 7/2- 7/15 7/16- 8/1 8/2- 8/15 8/16- 9/1 9/2- 9/15 9/16- 10/1 10/2- 10/15 10/16- 11/1 11/2- 11/15 11/16- 12/1 12/2- 12/15 12/16- 1/1 1/2- 1/15 1/16- 2/1 2/2- 2/15 2/16- 3/1 3/2- 3/15 3/16- 4/1 4/2- 4/15 4/16- 5/1 5/2- 5/15 5/16- 6/1 6/2- 6/15 6/16- 7/1 7/2- 7/15 7/16- 8/1 8/2- 8/15 8/16- 9/1 9/2- 9/15 9/16- 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- MAINTENANCE OF TRAFFIC SPECIAL PROVISIONS
- GENERAL
- THE PURPOSE OF THIS PORTION OF THE SPECIAL PROVISION IS TO SET FOR THE TRAFFIC CONTROL REQUIREMENTS NECESSARY FOR THE SAFE AND EFFICIENT MAINTENANCE TO TRAFFIC WITHIN WORK AREAS, AND TO MINIMIZE ANY INCONVENIENCES TO THE TRAVELING PUBLIC AND THE CONTRACTOR AND/OR PERMITEE.
  - PROPERTY TRAFFIC CONTROL THROUGH WORK AREAS IS ESSENTIAL FOR INSURING THE SAFETY AND THAT OF HIGHWAY WORKERS HAS THE HIGHEST PRIORITY OF ALL TASKS WITHIN THIS PROJECT. THE PROPER APPLICATION OF THE APPROVED TRAFFIC CONTROL PLAN (TCP) WILL PROVIDE THE DESIRED LEVEL OF SAFETY.
  - THROUGHOUT THESE SPECIAL PROVISIONS, ANY MENTION OF THE TCP SHALL BE IMPLIED TO INCLUDE ANY COMBINATION OF TEMPORARY TRAFFIC CONTROL STANDARDS WHICH FORM THE OVERALL TCP FOR THIS PROJECT WHICH HAS BEEN APPROVED BY THE APPROPRIATE SHA TRAFFIC ENGINEER.
  - THE CONTRACTOR AND/OR PERMITEE SHALL BE REQUIRED TO ADHERE TO THE PROVISIONS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 1988 EDITION, ESPECIALLY PART VI, AND TO SECTION 814 OF THE MARYLAND DOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS (JANUARY, 1982; INCLUDING ALL REVISIONS AND SUPPLEMENTS TO EACH.
  - THE CONTRACTOR AND/OR PERMITEE SHALL BE REQUIRED TO ADHERE TO THE REQUIREMENTS SET FOR IN THE TCP AND THESE SPECIAL PROVISIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ANY REQUESTS TO MAKE MINOR CHANGES TO THE TCP OR THE SPECIAL PROVISIONS WITH REGARD TO THE TRAFFIC CONTROL ITEMS SHALL BE MADE IN WRITING TO THE ENGINEER A MINIMUM OF THREE(3) WORKING DAYS PRIOR TO THE PROPOSED SCHEDULING CHANGE. THE CONTRACTOR AND/OR PERMITEE SHALL HAVE WRITTEN APPROVAL OF THE ENGINEER PRIOR TO THE IMPLEMENTATION OF ANY CHANGE.
  - NO WORK SHALL BEGIN ON ANY WORK ACTIVITY OR WORK PHASE UNTIL ALL REQUIRED TRAFFIC CONTROL PATTERNS AND DEVICES INDICATED ON THE TCP FOR THAT ACTIVITY OR PHASE ARE COMPLETELY AND CORRECTLY IN PLACE TO HAVE BEEN CHECKED FOR APPROVED USAGE.
  - GENERAL AND SPECIFIC WARNING SIGNS SHALL ONLY BE IN PLACE WHEN SPECIFIC WORK TASKS AND ACTIVITIES ARE ACTUALLY UNDERWAY OR CONDITIONS EXIST THAT POSE A POTENTIAL HAZARD TO THE PUBLIC, AND ANY ADDITIONAL SIGNING HAS BEEN APPROVED BY THE APPROPRIATE SHA TRAFFIC ENGINEER. NOTE: THE PRACTICE OF PLACING SIGNING AND OTHER TRAFFIC CONTROL DEVICES IN ADDITION TO THOSE INDICATED ON THE APPROVED TCP IS NOT PERMITTED.
  - THE CONTRACTOR AND/OR PERMITEE SHALL PROVIDE, MAINTAIN IN NEW CONDITION, AND MOVE WHEN NECESSARY, OR AS DIRECTED BY THE ENGINEER, ALL TRAFFIC CONTROL DEVICES USED FOR THE GUIDANCE AND PROTECTION OF MOTORISTS, PEDESTRIANS, AND WORKERS.
  - ALL TRAFFIC CONTROL DEVICES REQUIRED BY THE TCP SHALL BE KEPT IN GOOD CONDITION, FULLY PERFORMING AS SET FORTH IN THE TCP, THE MUTCD, AND/OR SECTION 814 OF THE SPECIFICATIONS. FOR REFLECTIVE DEVICES, A PARTICULAR DEVICE IS ASSUMED TO HAVE FAILED TO MEET MINIMUM OPERATIONAL STANDARDS WHEN THE DEVICE NO LONGER HAS RETRO-REFLECTANCE CAPABILITY OF AT LEAST 60% OF THE SPECIFIED MINIMUM VALUE OVER AT LEAST 90% OF THE VISIBLE REFLECTIVE SURFACE.
  - ALL TRAFFIC CONTROL DEVICES NOT REQUIRED FOR THE SAFE CONDUCT OF TRAFFIC SHALL BE PROMPTLY REMOVED, COMPLETELY COVERED, TURNED AWAY FROM TRAFFIC, OR OTHERWISE TAKEN OUT OF SERVICE. IT IS INTENDED THAT NO TRAFFIC CONTROL DEVICE IS TO BE IN SERVICE WHEN THERE IS NO CLEAR CUT REASON FOR THE DEVICE.
  - THROUGHOUT THE PERIOD(S) OF WORK ACTIVITIES, TRAFFIC SHALL BE MAINTAINED BY IMPLEMENTING THE APPROVED TCP. IN LIEU OF THE TCP PREPARED FOR THIS PROJECT, AND/OR INDIVIDUAL TYPICAL TRAFFIC CONTROL STANDARDS, THE CONTRACTOR AND/OR PERMITEE HAS THE OPTION OR PREPARING AND SUBMITTING A TCP, WHOLLY OR IN PART, OF HIS OWN DESIGN, FOLLOWING GUIDELINES SET FORTH IN THE MUTCD AND PRESCRIBED BY THE ADMINISTRATION. A TOP DEVELOPED BY THE CONTRACTOR AND/OR PERMITEE SHALL NOT BE IMPLEMENTED UNTIL ADVANCE WRITTEN APPROVAL IS OBTAINED FROM THE ENGINEER. TCP'S MAY BE IMPLEMENTED WITHIN A SINGLE PROJECT OR JOINTLY BETWEEN TWO OR MORE PROJECTS. IN SITUATIONS WHERE TCP'S JOINTLY IMPLEMENTED, CARE SHALL BE EXERCISED TO PRESENT CORRECT AND NON-CONFLICTING GUIDANCE TO THE TRAVELING PUBLIC.
  - THROUGHOUT THESE SPECIAL PROVISIONS, WHERE SPEED OF TRAFFIC IS NOTED, THIS MEANS THE POSTED SPEED OR PREVAILING TRAVEL SPEED, WHICHEVER IS HIGHER, UNLESS OTHERWISE NOTED.
  - TRAFFIC SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT, UNLESS OTHERWISE NOTED. NO TRAVEL LANE(S) OTHER THAN THOSE DESIGNATED FOR POSSIBLE CLOSURE IN THE TCP SHALL BE CLOSED WITHOUT OBTAINING PRIOR APPROVAL FROM THE ENGINEER. ALL INGRESS AND EGRESS TO THE WORK AREA BY THE CONTRACTOR AND/OR PERMITEE SHALL BE PERFORMED WITH THE FLOW OF TRAFFIC.

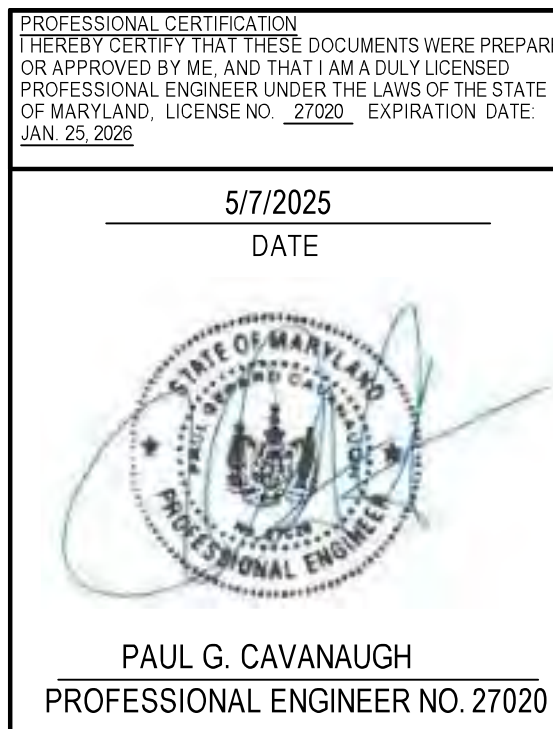
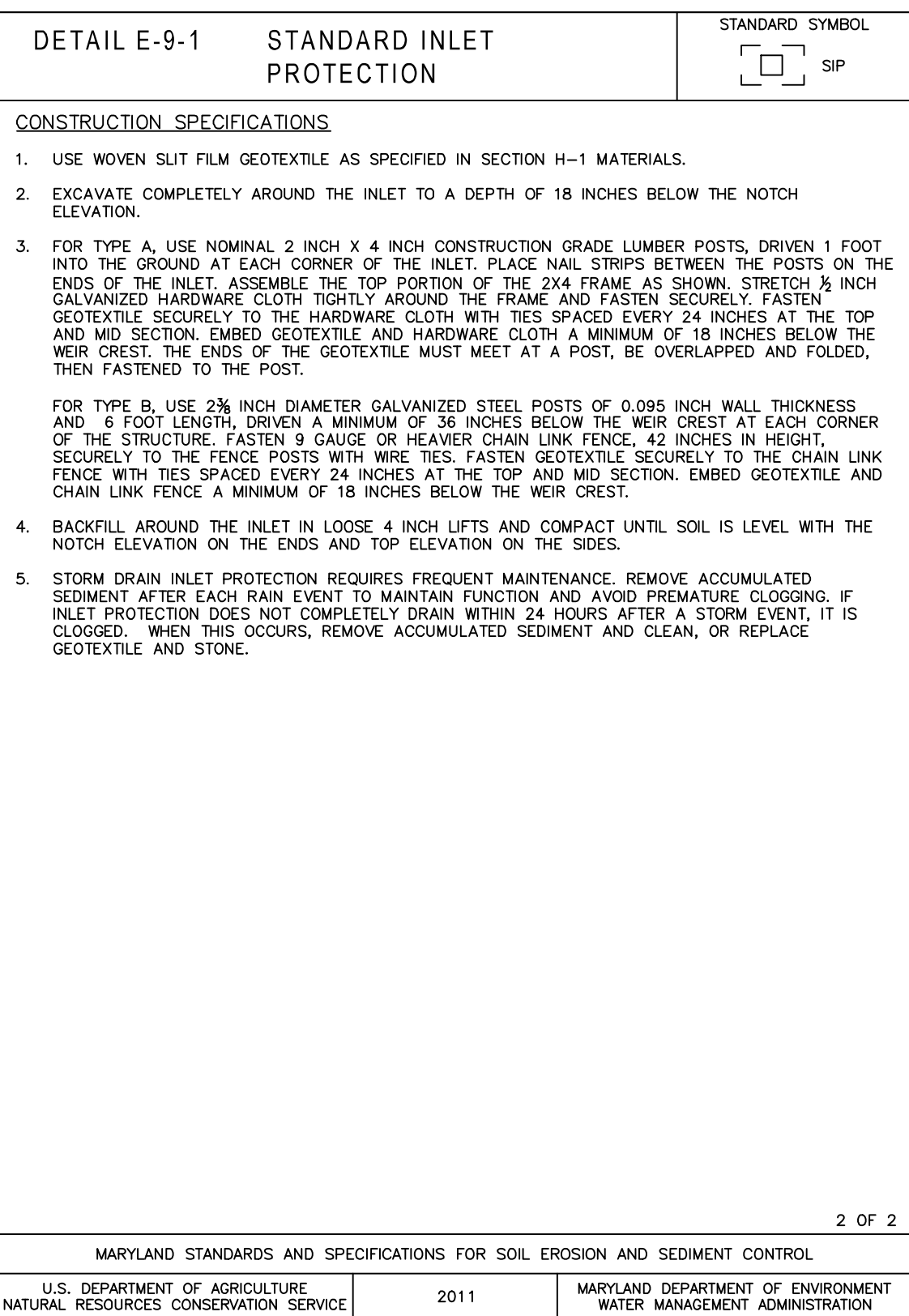
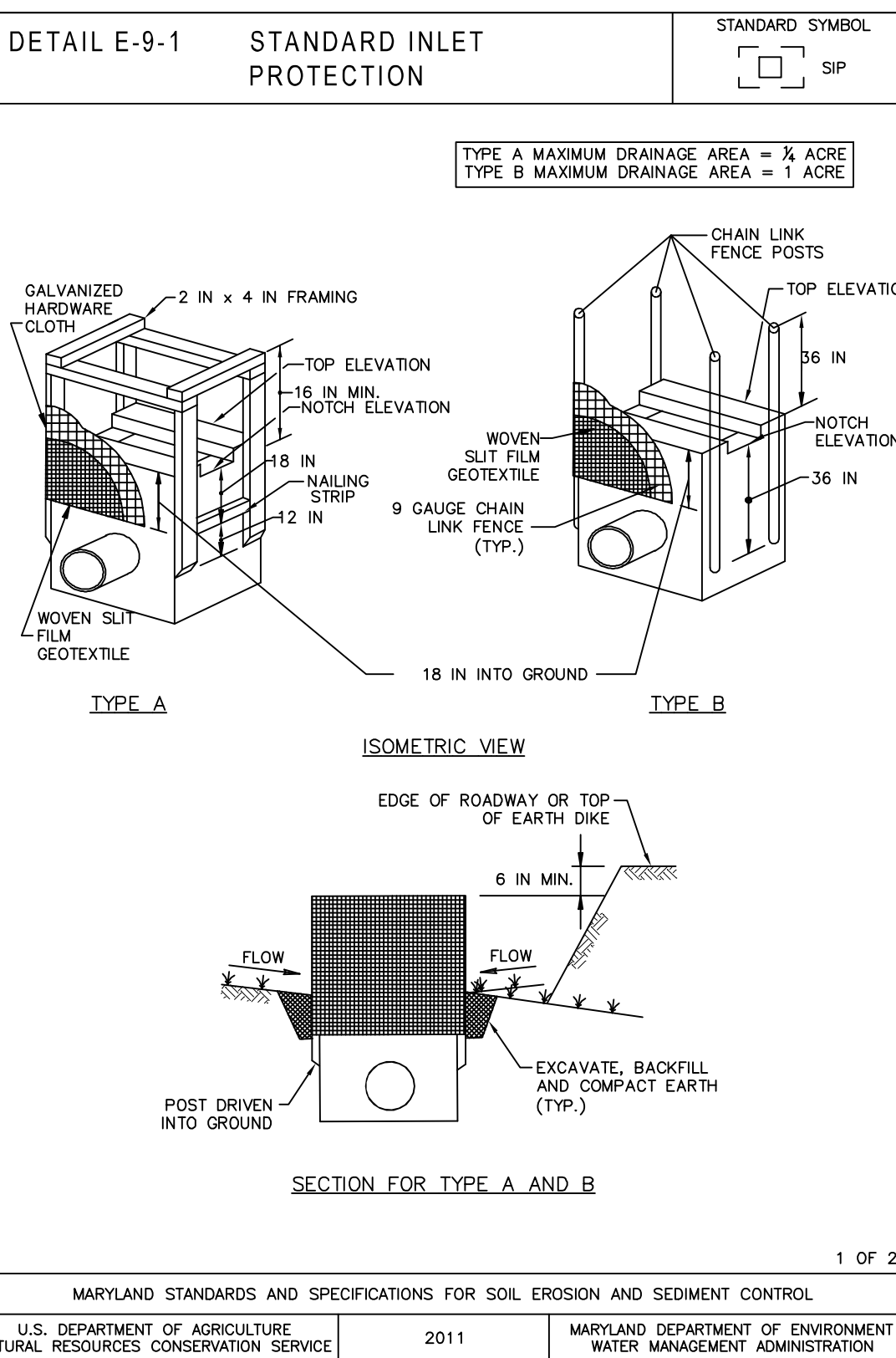
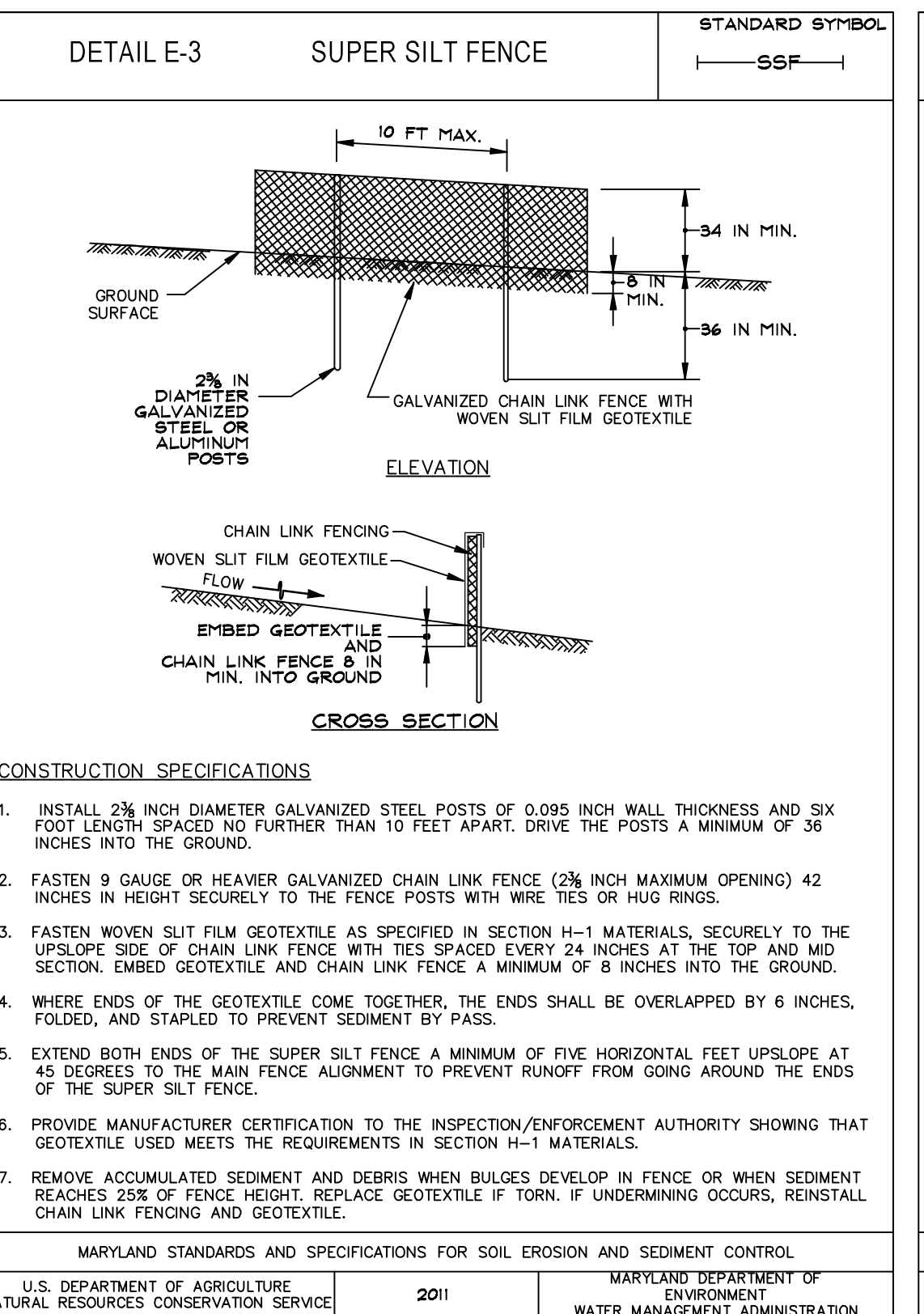
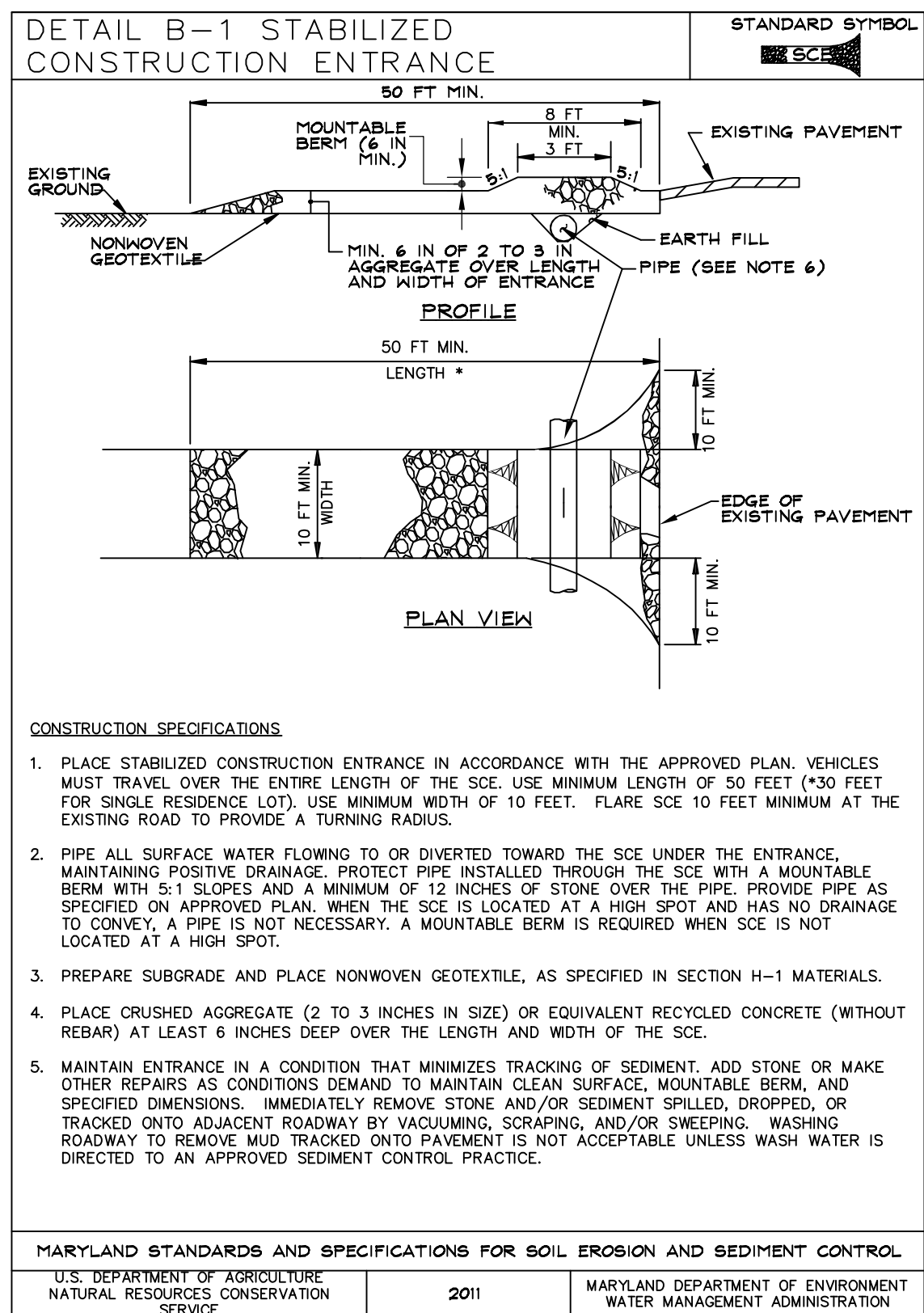


CARROLL COUNTY SEDIMENT CONTROL GENERAL NOTES

- ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION IN ASSOCIATION WITH THE NATURAL RESOURCES CONSERVATION SERVICE AND THE STATE SOIL CONSERVATION COMMITTEE (REFERENCED AS THE 94 STANDARDS AND SPECS.).
- AREAS THAT HAVE BEEN CLEARED AND/OR GRADED, BUT WILL NOT BE RECONSTRUCTED ON OR PERMANENTLY VEGETATED FOR MORE THAN 14 DAYS (7 DAYS FOR STEEP SLOPES) MUST BE STABILIZED WITH MULCH OR TEMPORARY STABILIZATION. ANY AREAS THAT ARE IN TEMPORARY VEGETATION FOR OVER 1 YEAR WILL NEED TO BE PERMANENTLY VEGETATED.
- FOR SPECIFICATIONS ON PERMANENT OR TEMPORARY STABILIZATION, SEE G-20.
- MULCHING CAN ONLY BE USED ON DISTURBED AREAS AS A TEMPORARY COVER WHERE VEGETATION IS NOT FEASIBLE OR WHERE SEEDING GERMINATION CANNOT BE COMPLETED BECAUSE OF WEATHER CONDITIONS. FOR SPECIFICATIONS SEE G-20, SECTION I-F, G, & H.
- FOR SPECIFICATIONS ON THE STABILIZATION OF CUT AND FILL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL, SEE G-20, SECTION I, I & J.
- THE EXISTING TOPSOIL FROM ON OR OFF SITE THAT IS USED MUST MEET THE MINIMUM SPECIFICATION IN G-21.
- THE REQUIRED SEQUENCE OF CONSTRUCTION MUST BE FOLLOWED DURING SITE DEVELOPMENT. ANY CHANGES IN THE SEQUENCE OF CONSTRUCTION MUST BE APPROVED BY THE SOIL CONSERVATION DISTRICT.
- ANY REVISIONS TO THE SEDIMENT CONTROL PLAN, NOT COVERED UNDER THE LIST OF PLAN MODIFICATIONS THAT CAN BE APPROVED BY THE SEDIMENT CONTROL INSPECTOR, NEED TO BE SUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR APPROVAL.
- NO PROPOSED SLOPE SHALL BE GREATER THAN 2:1.
- ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED ONCE A WEEK AND AFTER EACH RAINFALL AND WILL BE REPAIRED, AS NEEDED, SO THAT THE STRUCTURE MEETS THE MINIMUM SPECIFICATIONS AS SHOWN IN THE STANDARDS AND SPECS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. THE DISTRICT APPROVAL FOR THIS SEDIMENT CONTROL PLAN IS GOOD FOR 2 YEARS. AT THE END OF 2 YEARS, IF CONSTRUCTION OF THE PLAN HAS NOT STARTED, THE PLAN WILL NEED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR REVIEW AND RE-APPROVAL. ANY PLANS THAT ARE CURRENTLY UNDER CONSTRUCTION AFTER 2 YEARS MAY BE REQUIRED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT BY THE SEDIMENT CONTROL INSPECTOR.

REQUIRED SEQUENCE OF CONSTRUCTION

- CONTACT THE SEDIMENT CONTROL INSPECTOR 24 HOURS PRIOR TO ANY WORK BEING DONE. ALL PROTECTION FENCING AND SIGNAGE REQUIRED UNDER THE CODE OF PUBLIC LAWS & ORDINANCES CHAPTER 115 OF FOREST PRESERVATION AND CHAPTER 21B OF WATER RESOURCES MUST BE INSTALLED PRIOR TO THE PRE-CONSTRUCTION MEETING WITH THE SEDIMENT CONTROL INSPECTOR.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL PERIMETER SILT FENCE/SUPER-SILT FENCE SO THAT UNFILTERED WATER DOES NOT BYPASS.
- CLEAR AND GRUB ANY EXISTING TREES WITHIN LOD, STOCKPILE TOPSOIL IN INDICATED LOCATION. STABILIZE TOPSOIL STOCKPILE PER SPECIFICATIONS CONTAINED IN "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."
- INSTALL CULVERTS, INLET STRUCTURES AND STORM DRAIN BETWEEN THESE STRUCTURES. DISTURB ONLY ENOUGH AREA NECESSARY TO INSTALL STRUCTURES AND CONNECTING STORM DRAIN. INSTALL INLET PROTECTION MEASURES ON ALL STRUCTURES.
- ESTABLISH SUBGRADE IN STORAGE YARD AREA, WITHIN THE LIMITS OF THE ENTRANCE & WITHIN ONE (1) FOOT OF THE SWM FACILITY BOTTOMS.
- PROVIDE FULL STONE SECTION WITHIN LIMITS OF STORAGE YARD. PROVIDE BASE PAVING FOR ENTRANCE. PROVIDE VEGETATIVE STABILIZATION ON UNPAVED AREAS.
- INSTALL UNDERDRAINS / OVERDRAINS ONCE ALL CONTRIBUTING DRAINAGE AREAS ARE PERMANENTLY STABILIZED. THE INLETS SHALL BE BLOCKED OR FILTER MEDIA NOT INSTALLED UNTIL ALL CONTRIBUTING DRAINAGE AREAS ARE PERMANENTLY STABILIZED.
- CONSTRUCT FINAL PAVING COARSE OF THE ENTRANCE AND INSTALL FENCE/GATE.
- FOLLOWING COMPLETION OF THE ENTRANCE, STORAGE YARD AND STABILIZATION OF ALL UNPAVED SURFACES, NOTIFY COUNTY INSPECTOR TO GAIN APPROVAL FOR REMOVAL OF ALL PERIMETER SEDIMENT CONTROL MEASURES.
- REMOVE INLET PROTECTION MEASURES FROM INLETS AND REMOVE ANY SEDIMENT.



Planners  
Surveyors  
Engineers  
Landscape Architects

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410.386.0564 (Fax)  
DDC@DDCinc.us  
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OWNER:  
EVAPCO, INC.  
5151 ALLENDALE LANE  
TANEYTOWN, MD 21787  
(410) 876-3782

DEVELOPER:  
EVAPCO, INC.  
5151 ALLENDALE LANE  
TANEYTOWN, MD 21787  
(410) 876-3782

SITE ADDRESS:  
CROUSE MILL ROAD  
TANEYTOWN, MD 21787

EVAPCO, INC.  
EQUIPMENT STORAGE YARD  
SITE PLAN  
SEDIMENT & EROSION  
CONTROL DETAILS

COMMISSIONER DISTRICT 1  
1ST ELECTION DISTRICT  
CARROLL COUNTY, MD

REVISIONS

NO.	DESCRIPTION OF CHANGES	DRN	REV.	DATE
CO. FILE #:	S-24-0009	DES. BY:	M.R.T.	
TAX ACC. #:	029473	DRN:	J.C.L.	
TAX MAP:	19	CHK. BY:	P.G.C.	
BLOCK / GRID:	19	DATE:	5/7/25	
PARCEL #:	389	DDC JOB#:	07006.7	
ZONE / USE:	AGRICULTURE	SHEET NUMBER:	5 of 12	
DWG. SCALE:	AS SHOWN			

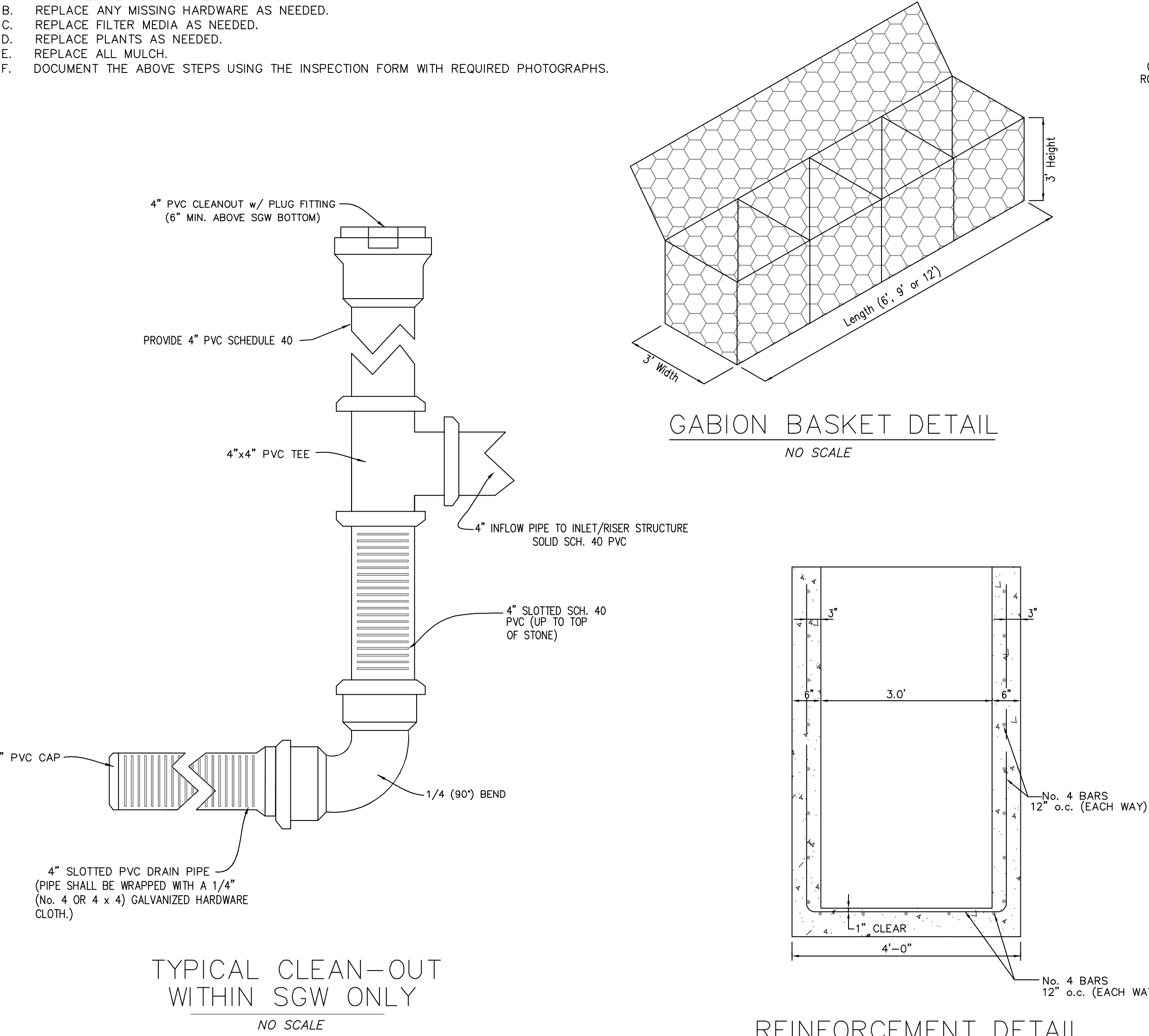
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S-24-0009



OPERATION AND MAINTENANCE SCHEDULE FOR  
PRIVATELY OWNED AND MAINTAINED STORMWATER  
MANAGEMENT FACILITIES  
(SUBMERGED GRAVEL WETLANDS)  
(MINIMUM ANNUAL INSPECTIONS)

- A. INSPECT PRE-TREATMENT, INLETS, MANHOLES, WEIRS, STRUCTURES FOR INTEGRITY (HOLES, CORROSION, CRACKS, SPALLING AND SEPARATION). REMOVE AND PROPERLY DISPOSE OF ALL DEBRIS, SILT MULCH, FILTER MEDIA AND DEAD OR DISEASED PLANTS. REPAIR STRUCTURES TO GOOD CONDITION PER THE APPROVED PLANS AND SPECIFICATIONS.
- B. REPLACE ANY MISSING HARDWARE AS NEEDED.
- C. REPLACE FILTER MEDIA AS NEEDED.
- D. REPLACE PLANTS AS NEEDED.
- E. REPLACE ALL MULCH.
- F. DOCUMENT THE ABOVE STEPS USING THE INSPECTION FORM WITH REQUIRED PHOTOGRAPHS.



Carroll County Supplemental Materials Specifications for Submerged Gravel Wetlands (SGWs)			
Material	Specification	Size	Notes
Plantings	See Landscape Plan (At least 3 different wetland species)	N/A	Plantings are site specific and per approved landscape plan
Seed Mix	Filter Bed Mix - Use Wet Meadow Mix per MD Standards and Specifications 707. See Table 3. §(13 lbs./acre of SGW bottom)	N/A	Used with Straw mulch in place of shredded hardwood mulch Incorporate seed evenly in top 1/2" of planting media
Mulch	Shredded Hardwood	N/A	Aged 6 months, minimum
Straw Mulch	MD Standards and Specifications §920.04. (200 lb. minimum/micro-bioretenation)	N/A	1" Straw mulch over seed bed (SGW bottom)
Geotextile	Close "C" - Apparent opening size (ASTM-D-4751), Grab Tensile Strength (ASTM-D-4632), Puncture Resistance (ASTM-D-4833)	N/A	Sides only - Not needed with no. 8 perimeter chimney and reservoir Not on bottom unless specified on the plans
Underdrain, Choker Layer and Chimney Gravel	AASHTO M-43 No. 8 Stone	3/8"-1/8"	Stone must be clean and washed If used as choker layer, above no. 57 stone, 4" minimum thickness
Reservoir Gravel	AASHTO M-43 No. 8 Stone (Preferred) or No. 57 (1"-1/4")	3/8"-1/8"	Stone must be clean and washed
Chimney, Observation Well And Underdrain Piping	Slotted PVC or Slotted HDPE Type "sp" Pipes Solid: Scheduled 40 PVC or HDPE Type "S"	See Plan	Refer to the Carroll County SWM Supplement Pg. 87 All pipes must be double walled (smooth core) and slotted (no circular holes)
Sand	ASTM-C-33 (3 parts to 6 within Filter Media)	0.02" - 0.04"	Sand substitutions such as Diabase and Graystone #10 are not acceptable. No calcium carbonate or dolomitic sand substitutions are acceptable. No "rock-dust" can be used for sand. Manufactured sand from approved sources may be used for filters. Manufactured sand may not be used in dams.
Soil	Engineer approved loam with 20% or less clay. (1 part to 6 within Filter Media)	N/A	
Wood Chips	Untreated "Green" (2 parts to 6 within Filter Media)	N/A	Untreated "Green" wood chips
Filter/Planting Media	Comprised of 3 parts sand, 2 parts wood chips, 1 part soil	2 ft. Minimum	See individual material specifications
Impervious Liner	Polyvinyl Chloride (PVC) or approved equal	30 Mil Minimum Thickness	Bottom and Sides See Carroll County Standard details and notes

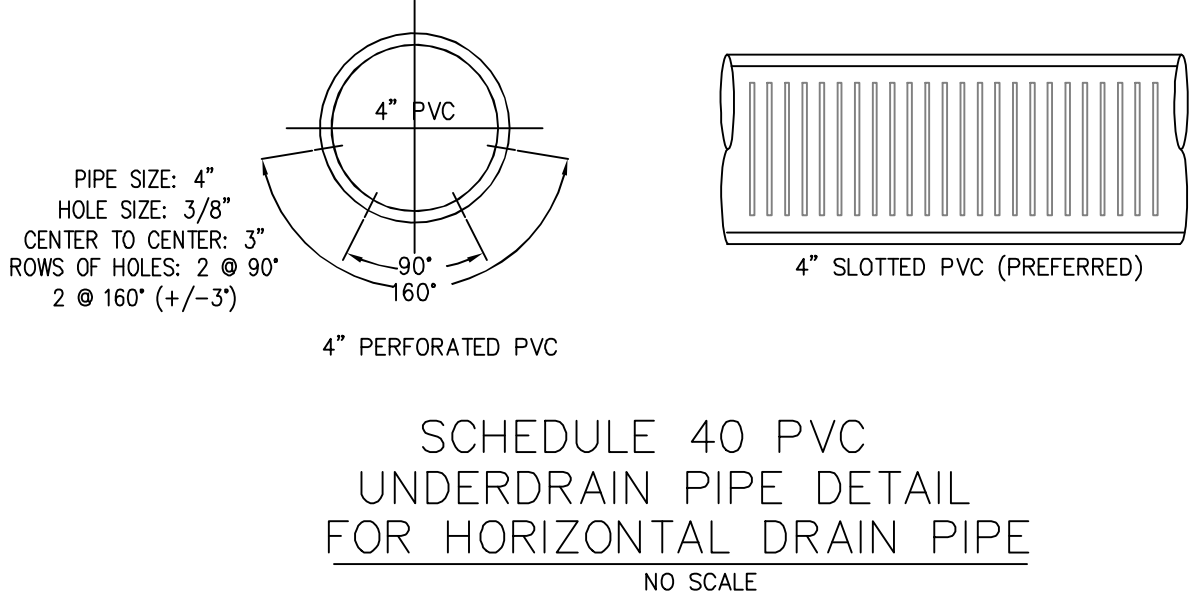
NOTES:

UNDERDRAIN PIPE SHALL BE 4" DIAMETER, SLOTTED OR PERFORATED RIGID PLASTIC PIPE (ASTMF 758, TYPE PS 28 OR AASHTO-M- 278) IN A GRAVEL LAYER. THE PREFERRED MATERIAL IS SLOTTED 4" RIGID PIPE (e.g., PVC OR HDPE).

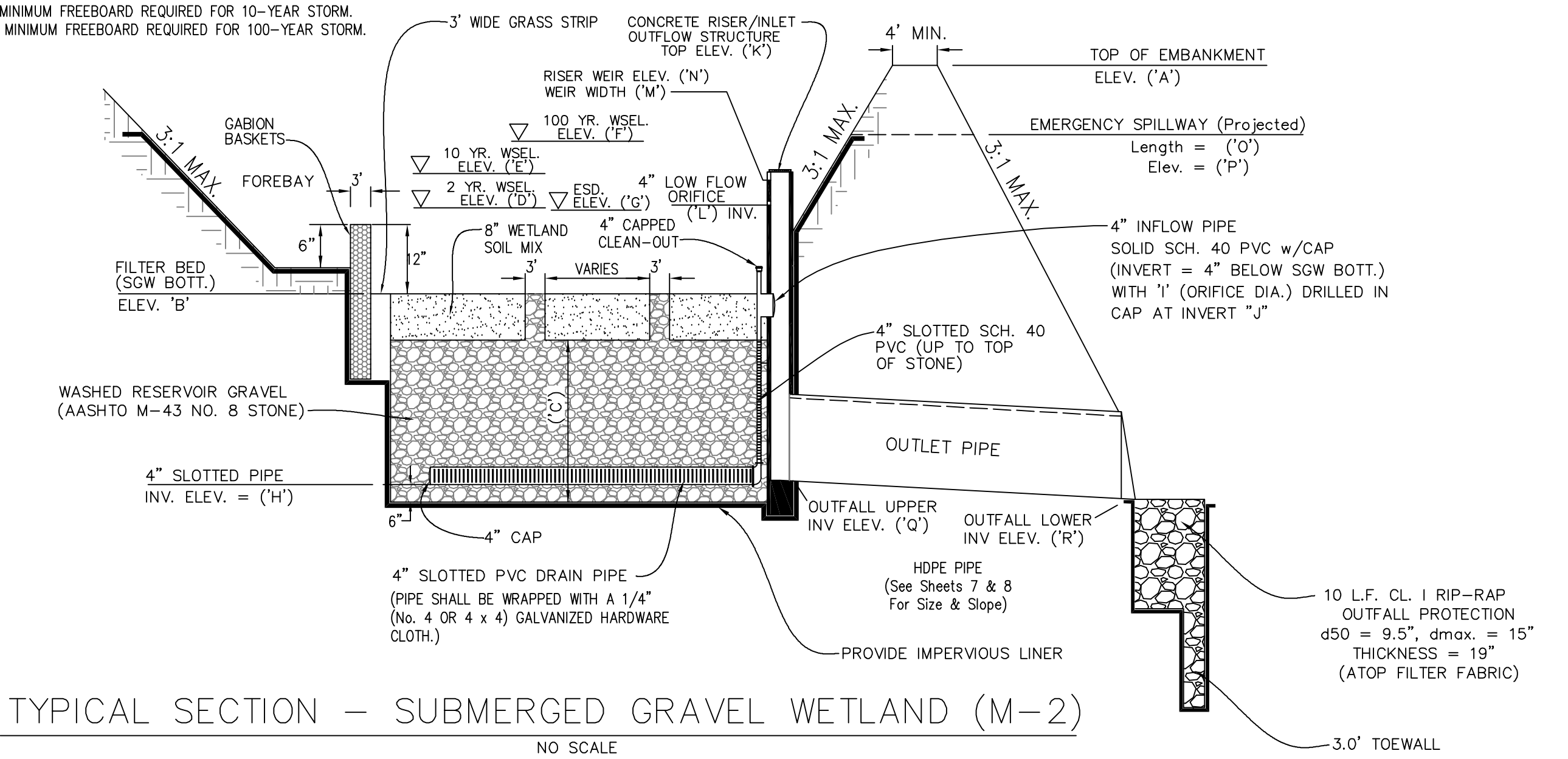
PERFORATIONS SHALL BE 3/8" DIAMETER LOCATED 6" ON CENTER WITH A MINIMUM OF FOUR HOLES PER ROW. PIPE SHALL BE WRAPPED WITH A 1/4" (No. 4 OR 4 x 4) GALVANIZED HARDWARE CLOTH.

GRAVEL LAYER SHALL BE (AASHTO M-43, No. 8 STONE PREFERRED) AT LEAST 3" THICK ABOVE AND BELOW THE UNDERDRAIN.

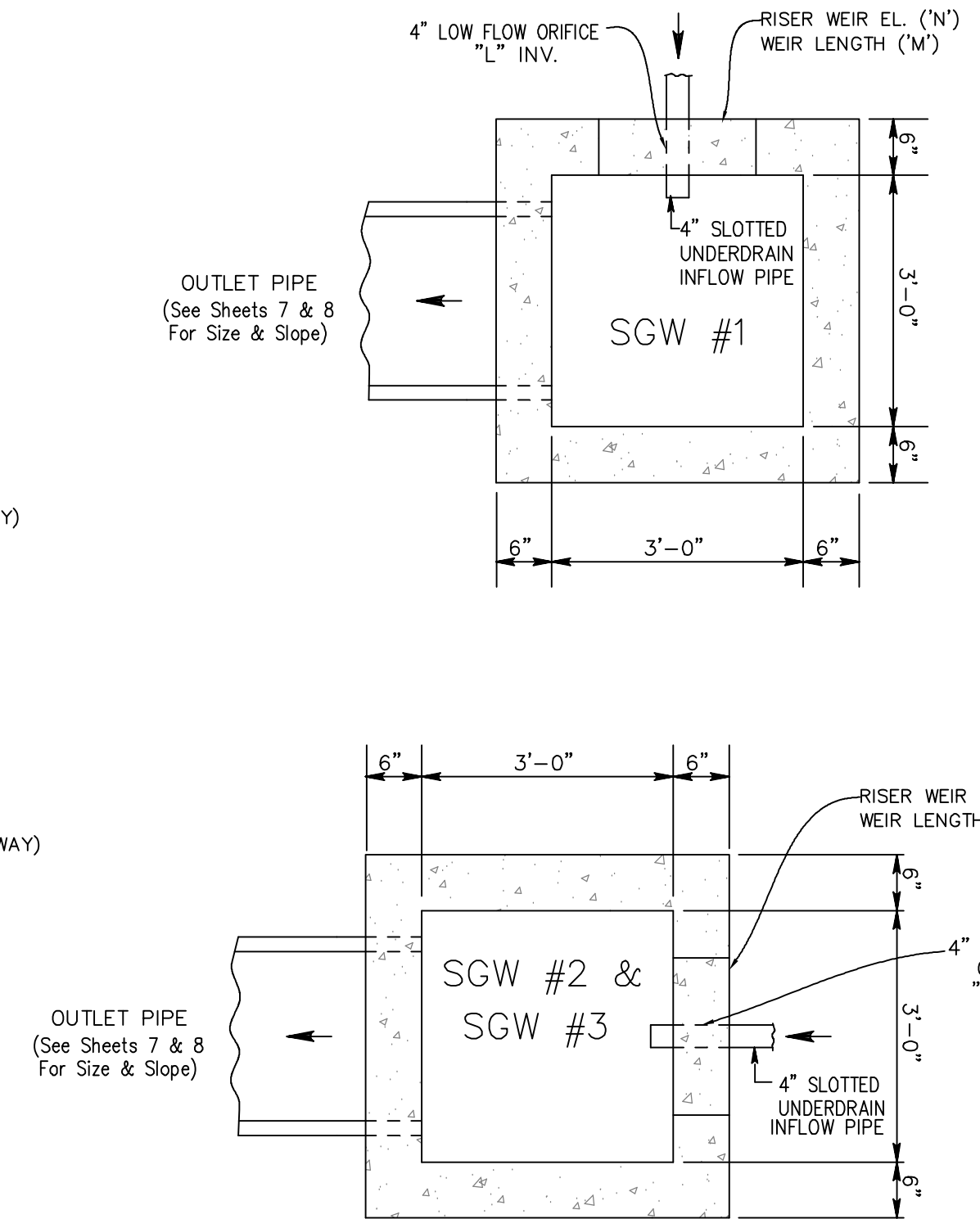
THE MAIN COLLECTOR PIPE SHALL BE AT A MINIMUM 0.5% SLOPE.



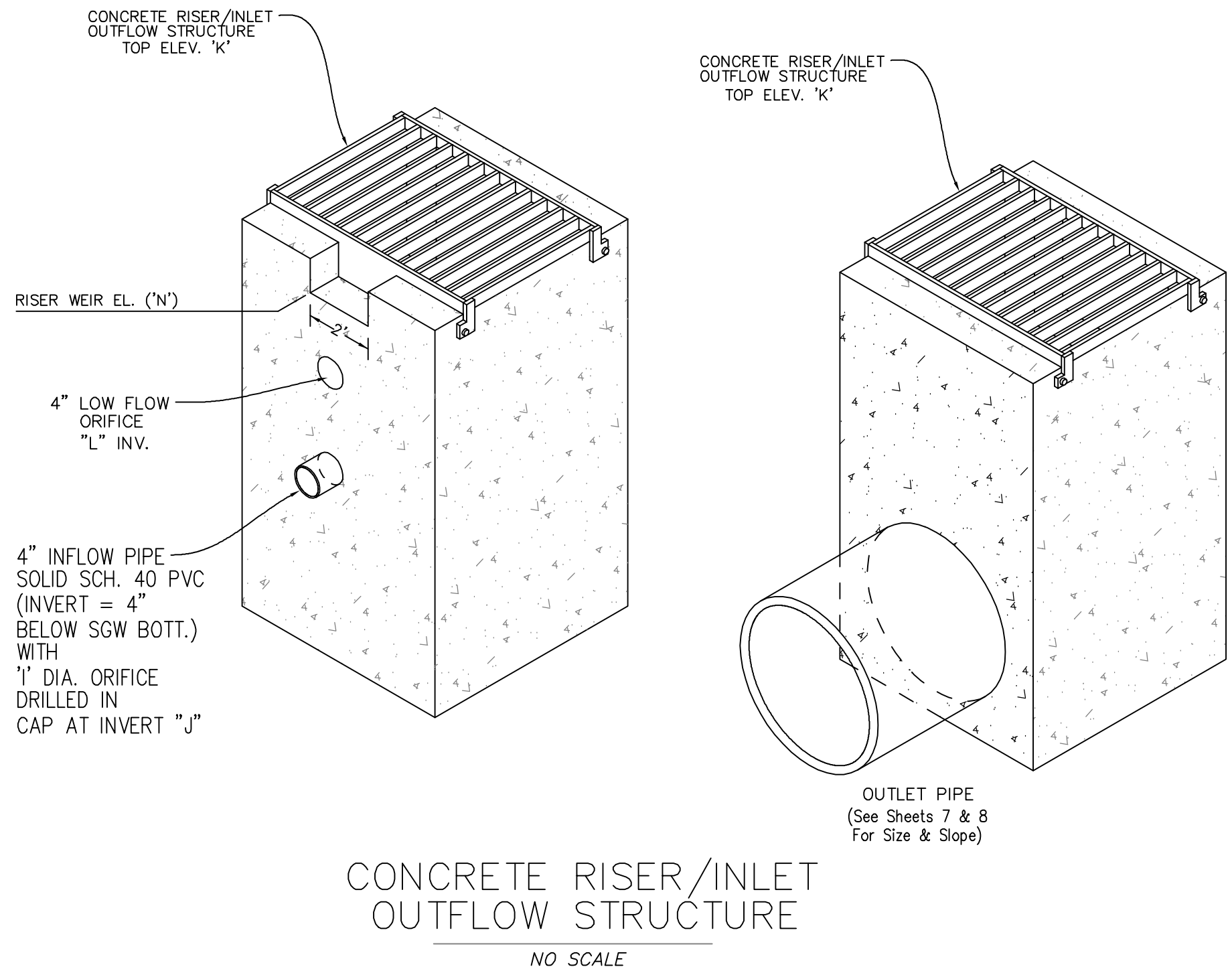
NOTES: 1. 1-FOOT MINIMUM FREEBOARD REQUIRED FOR 10-YEAR STORM.  
2. 0.5-FEET MINIMUM FREEBOARD REQUIRED FOR 100-YEAR STORM.



SUBMERGED GRAVEL WETLAND DATA																			
FACILITY ID	EMBANKMENT (ELEV. 'A')	FILTER BED (ELEV. 'B')	WASHED RESERVOIR GRAVEL THICKNESS (\"C\")	2 YR. WSEL. (ELEV. 'D')	10 YR. WSEL. (ELEV. 'E')	100 YR. WSEL. (ELEV. 'F')	ESD ELEV. (ELEV. 'G')	4\" SLOTTED PIPE INV. (ELEV. 'H')	ORIFICE DIA. (\"I')	ORIFICE INVERT IN CAP (ELEV. 'J')	RISER TOP (\"K')	4\" LOW FLOW ORIFICE INV. (\"L')	RISER WEIR WIDTH (\"M')	RISER WEIR (ELEV. 'N')	EMERGENCY SPILLWAY LENGTH (\"O')	EMERGENCY SPILLWAY (ELEV. 'P')	OUTFALL UPPER INV (ELEV. 'Q')	OUTFALL LOWER INV (ELEV. 'R')	DEWATERING TIME (HR.)
SGW #1	518.50	515.00	22\"	516.02	516.82	517.43	516.00	513.00	0.53\"	514.81	517.50	516.00	2'	517.00	8'	517.50	514.57	512.84	36.79
SGW #2	518.70	515.00	28\"	516.01	516.58	517.34	516.00	512.50	0.94\"	514.80	517.70	516.00	2'	517.00	30'	517.70	513.84	512.84	36.95
SGW #3	520.20	517.00	28\"	518.05	518.68	519.29	518.00	514.50	1.22\"	516.79	519.20	518.00	2'	519.00	30'	519.20	515.37	512.70	36.54



PLANS  
(GRATE NOT SHOWN)



REQUIRED SEQUENCE OF CONSTRUCTION FOR  
SUBMERGED GRAVEL WETLAND FACILITY SGW-1 THRU SGW-3

- PRE-CONSTRUCTION MEETING WITH CARROLL COUNTY AND SEC.
- NOTIFY CERTIFYING ENGINEER WITH DDC AT 410-461-2855, PRIOR TO BEGINNING WORK ON SUBMERGED GRAVEL WETLAND FACILITIES.
- INSTALL SITE SEDIMENT CONTROLS. THE CONTRACTOR SHALL CONTACT THE CERTIFYING ENGINEER, WITH DDC AT 410-461-2855 PRIOR TO EACH OF THE STAGES LISTED ON THE INSPECTION SCHEDULE. (2 MONTHS)
- GRADE SUBMERGED GRAVEL WETLANDS AREA AS NEEDED. INSTALL CONCRETE RISER, PROVIDE WATERSTOP RX AT ALL JOINTS. (3 DAYS)
- ONCE THE SITE IS CONSTRUCTED, THE REMAINING AREAS SUPPORT A 2" STAND OF GRASS, AND PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, THEN BEGIN CONVERSION TO A SGW. (1 DAY)
- INSTALL GABION FOREBAY WITH 28" LAYER OF ASTM 33 SAND ON INFLOW SIDE OF GABION FOREBAY. WRAP GABION FOREBAY WITH CLASS E GEOTEXTILE ON SIDES AND BOTTOM. PLACE 6" OF TOPSOIL ON TOP OF SAND. (1 DAY)
- INSTALL REQUIRED LAYER OF WASHED #8 STONE AND UNDERDRAINS (1 WEEK)
- INSTALL 8" PLANTING MEDIA LAYER, AND STABILIZE ANY DISTURBED AREAS. (2 DAYS)
- ENGINEER TO SUBMIT SIGNED AND SEALED STORMWATER MANAGEMENT "AS-BUILTS" WITHIN 60 DAYS OF COMPLETION OF THESE FACILITIES TO THE CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT.

\* CONTACT CERTIFYING ENGINEER WITH DDC AT 410-461-2855 PRIOR TO COMMENCING WORK IN THIS PHASE.

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: JAN 25, 2026



Planners  
Surveyors  
Engineers  
Landscape Architects

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410.386.0564 (Fax)  
DDC@DDCinc.us  
www.DDCinc.us

OWNER:  
EVAPCO, INC.  
5151 ALLENDALE LANE  
TANETOWN, MD 21787  
(410) 876-3782

DEVELOPER:  
EVAPCO, INC.  
5151 ALLENDALE LANE  
TANETOWN, MD 21787  
(410) 876-3782

SITE ADDRESS:  
CROUSE MILL ROAD  
TANETOWN, MD 21787

EVAPCO, INC.  
EQUIPMENT STORAGE YARD  
SITE PLAN  
STORMWATER MANAGEMENT  
NOTES & DETAILS

COMMISSIONER DISTRICT 1  
1ST ELECTION DISTRICT CARROLL COUNTY, MD

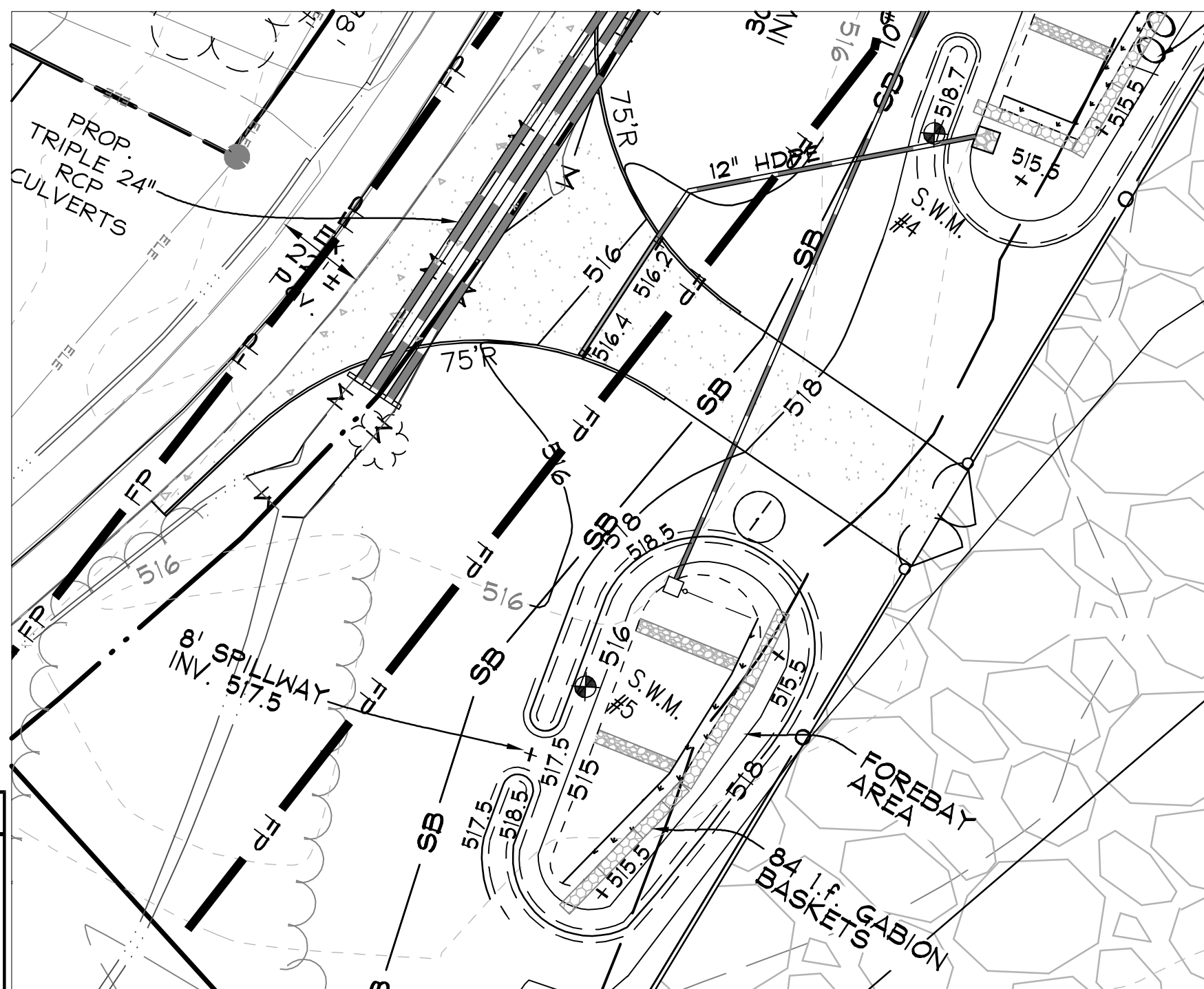
REVISIONS	
NO.	DESCRIPTION OF CHANGES

NO.	DESCRIPTION OF CHANGES	DRN	REV	DATE
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TAX ACC. #:	025473	DRN. BY:	J.C.L.	
TAX MAP:	19	CHK. BY:	P.G.C.	
BLOCK / GRID:	19	DATE:	5/7/25	
PARCEL #:	389	DDC JOB#:	07006.7	
ZONE / USE:	AGRICULTURE	SHEET NUMBER:	6 of 12	
DWG. SCALE:	AS SHOWN			

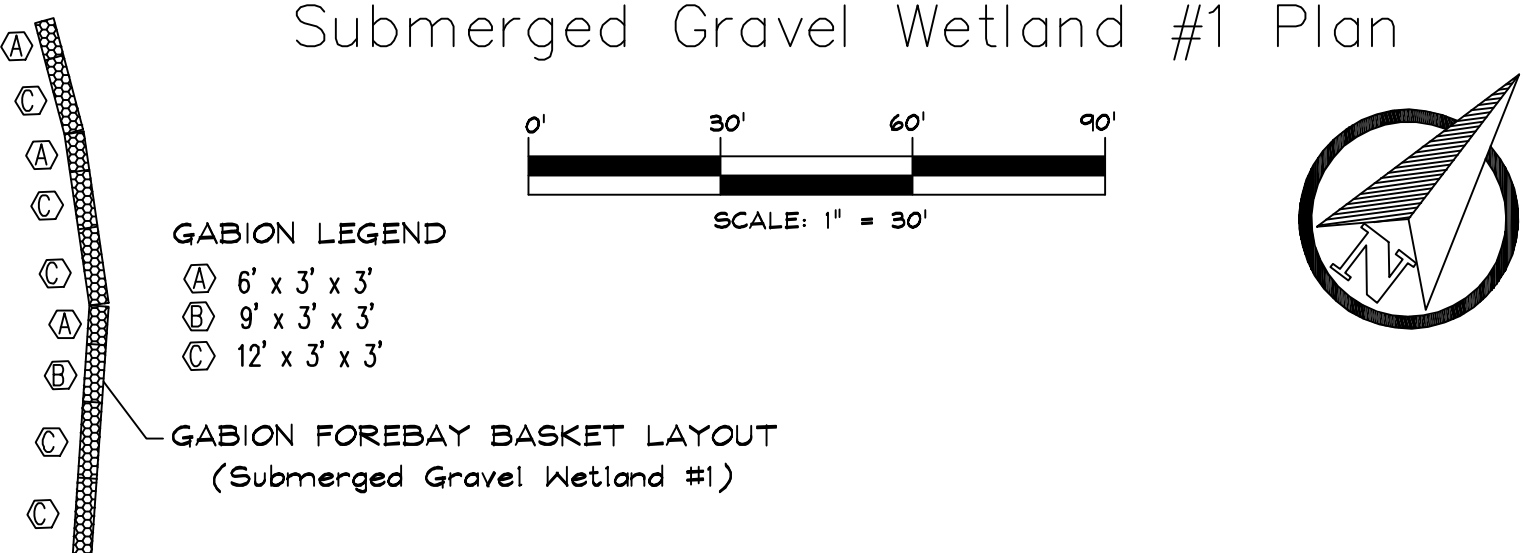


Required Inspection Schedule for Submerged Gravel Wetlands			
*STAGE	INSPECTOR'S/ENGINEER'S APPROVAL		
	SUBMERGED GRAVEL WETLAND #1		
	INITIALS	DATE	
1. With the approval of the Inspector, Excavate and install the concrete riser and outfall. Install Waterstop RX at all construction joints.			
2. Install gabion forebay with Class E geotextile on sides and bottom.			
3. Install washed #8 stone and underdrains.			
4. Install 8" Wetland soil mix and install plants.			
5. Submit as-built plans to Carroll County within 60 days of completion of construction			
* Please notify certifying engineer 48 hours prior to commencing construction on these items. Engineer's name: DDC Phone number: 410-461-2855			

STORMWATER FACILITY DATA TABLE - SUBMERGED GRAVEL WETLAND #1	
OWNED & MAINTAINED BY	EVAPCO, INC.
STRUCTURE CLASSIFICATION	NON MD-378 DAM
WATERSHED	02140303 Upper Monocacy River
RECEIVING STREAM CLASSIFICATION	Use I-P
CONTRIBUTORY AREA	0.70 ACRES
IMPERVIOUS AREA TREATED	0.49 ACRES
MAX. EMBANKMENT HEIGHT	3.5'
EMBANKMENT WIDTH	4'
FACILITY COORDINATES:	N 721,860 E 1,260,020
UNIFORM STORMWATER SIZING CRITERIA:	
ESD Volume (ESD)	2,792 CU.FT.
Overbank Flood Protection Volume(Qp)	---
Extreme Flood Volume(Qf)	Not Required: No Immediate Flood Hazard

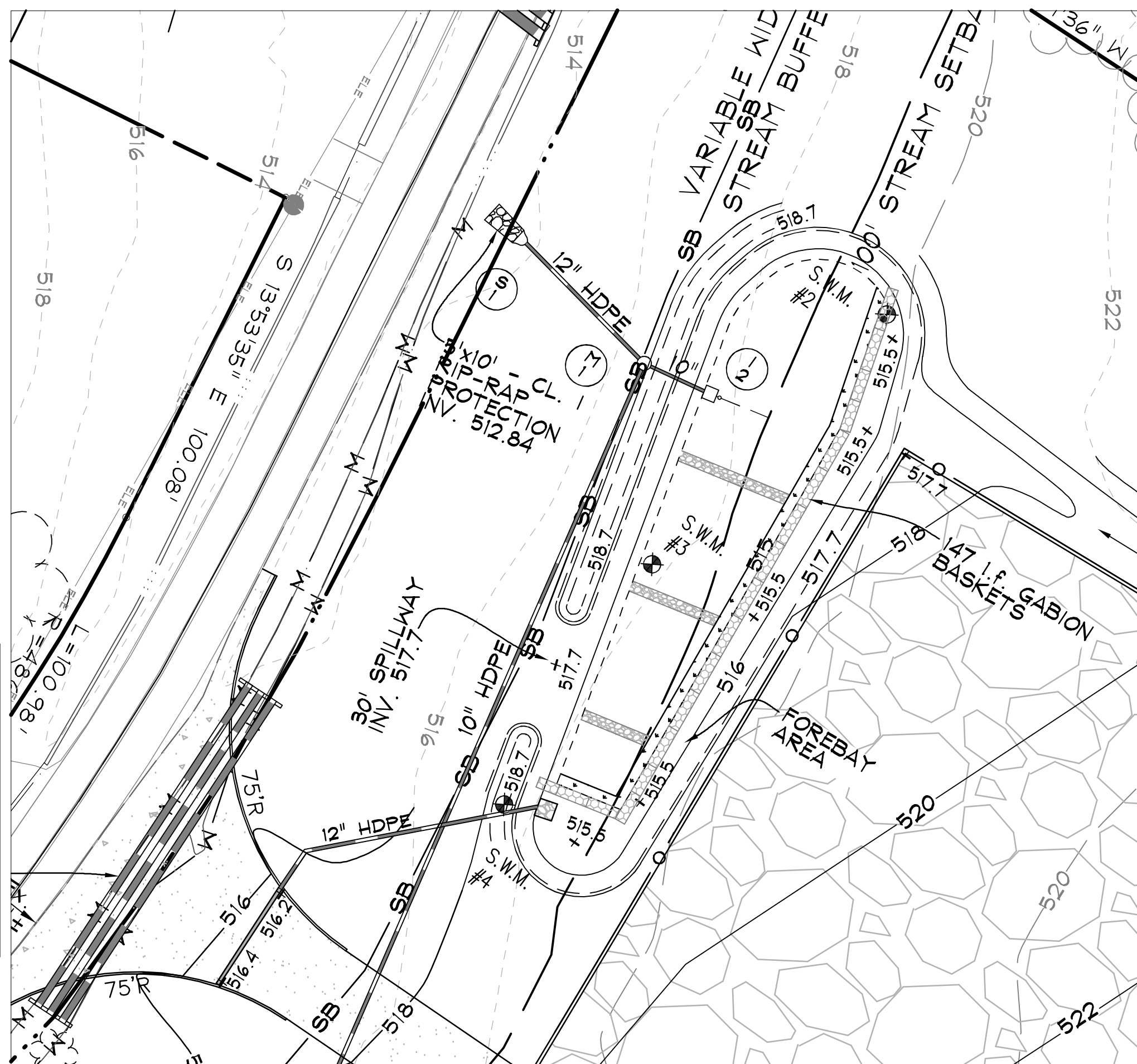


Submerged Gravel Wetland #1 Plan

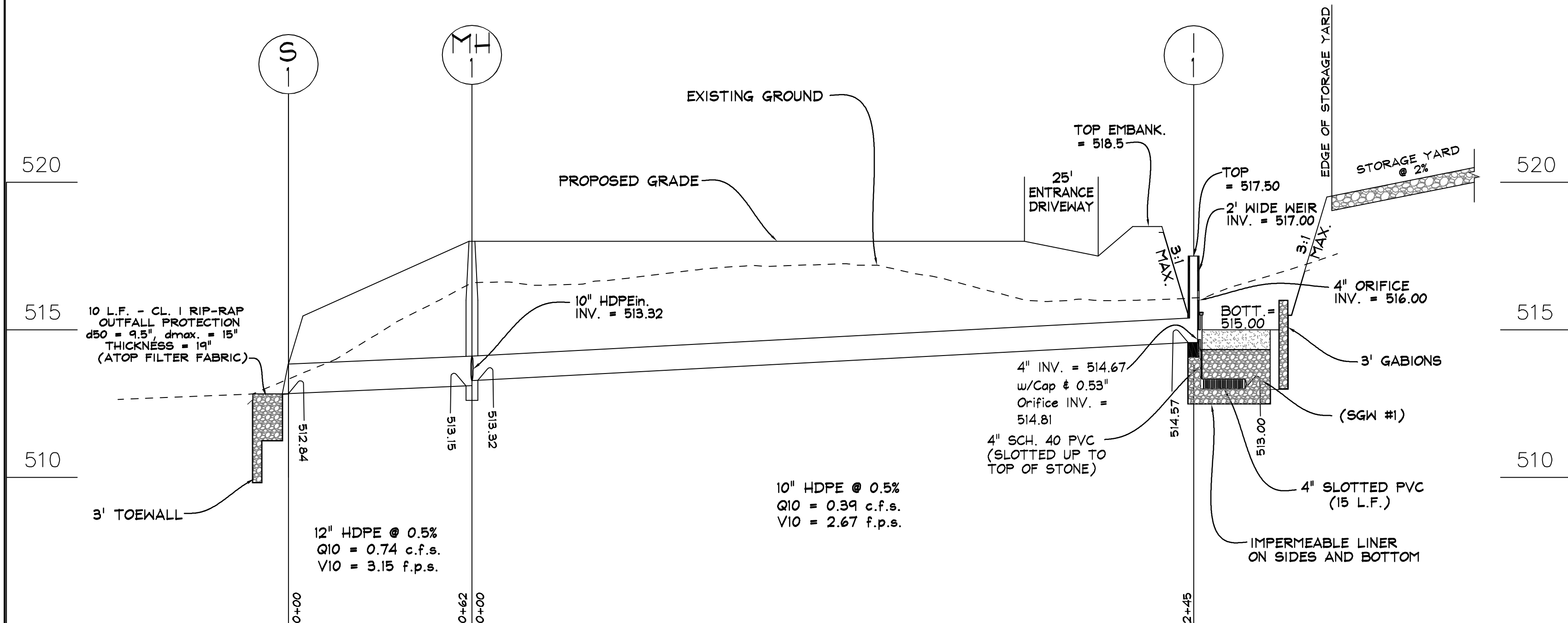
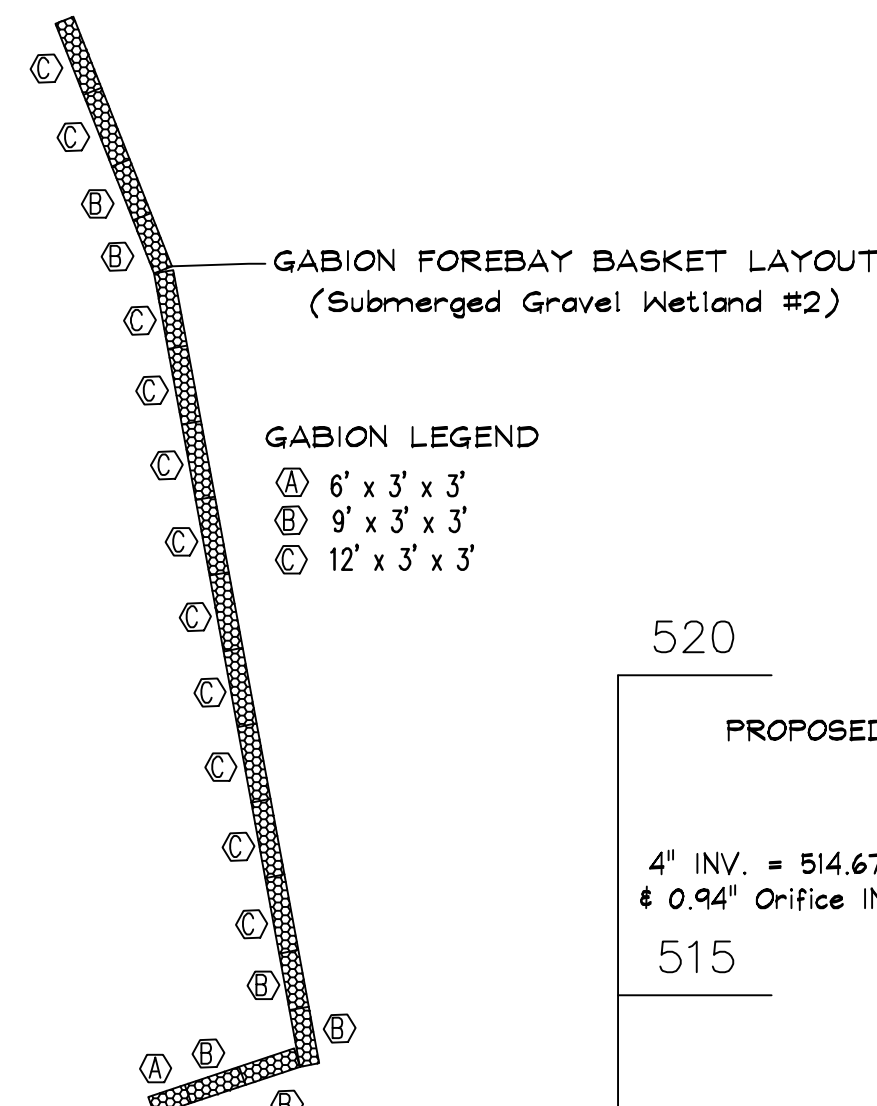


Required Inspection Schedule for Submerged Gravel Wetlands			
*STAGE	INSPECTOR'S/ENGINEER'S APPROVAL		
	SUBMERGED GRAVEL WETLAND #2		
	INITIALS	DATE	
1. With the approval of the Inspector, Excavate and install the concrete riser and outfall. Install Waterstop RX at all construction joints.			
2. Install gabion forebay with Class E geotextile on sides and bottom.			
3. Install washed #8 stone and underdrains.			
4. Install 8" Wetland soil mix and install plants.			
5. Submit as-built plans to Carroll County within 60 days of completion of construction			
* Please notify certifying engineer 48 hours prior to commencing construction on these items. Engineer's name: DDC Phone number: 410-461-2855			

STORMWATER FACILITY DATA TABLE - SUBMERGED GRAVEL WETLAND #2	
OWNED & MAINTAINED BY	EVAPCO, INC.
STRUCTURE CLASSIFICATION	NON MD-378 DAM
WATERSHED	02140303 Upper Monocacy River
RECEIVING STREAM CLASSIFICATION	Use I-P
CONTRIBUTORY AREA	1.43 ACRES
IMPERVIOUS AREA TREATED	1.02 ACRES
MAX. EMBANKMENT HEIGHT	3.7'
EMBANKMENT WIDTH	4'
FACILITY COORDINATES:	N 722,100 E 1,259,970
UNIFORM STORMWATER SIZING CRITERIA:	
ESD Volume (ESD)	8,765 CU.FT.
Overbank Flood Protection Volume(Qp)	---
Extreme Flood Volume(Qf)	Not Required: No Immediate Flood Hazard

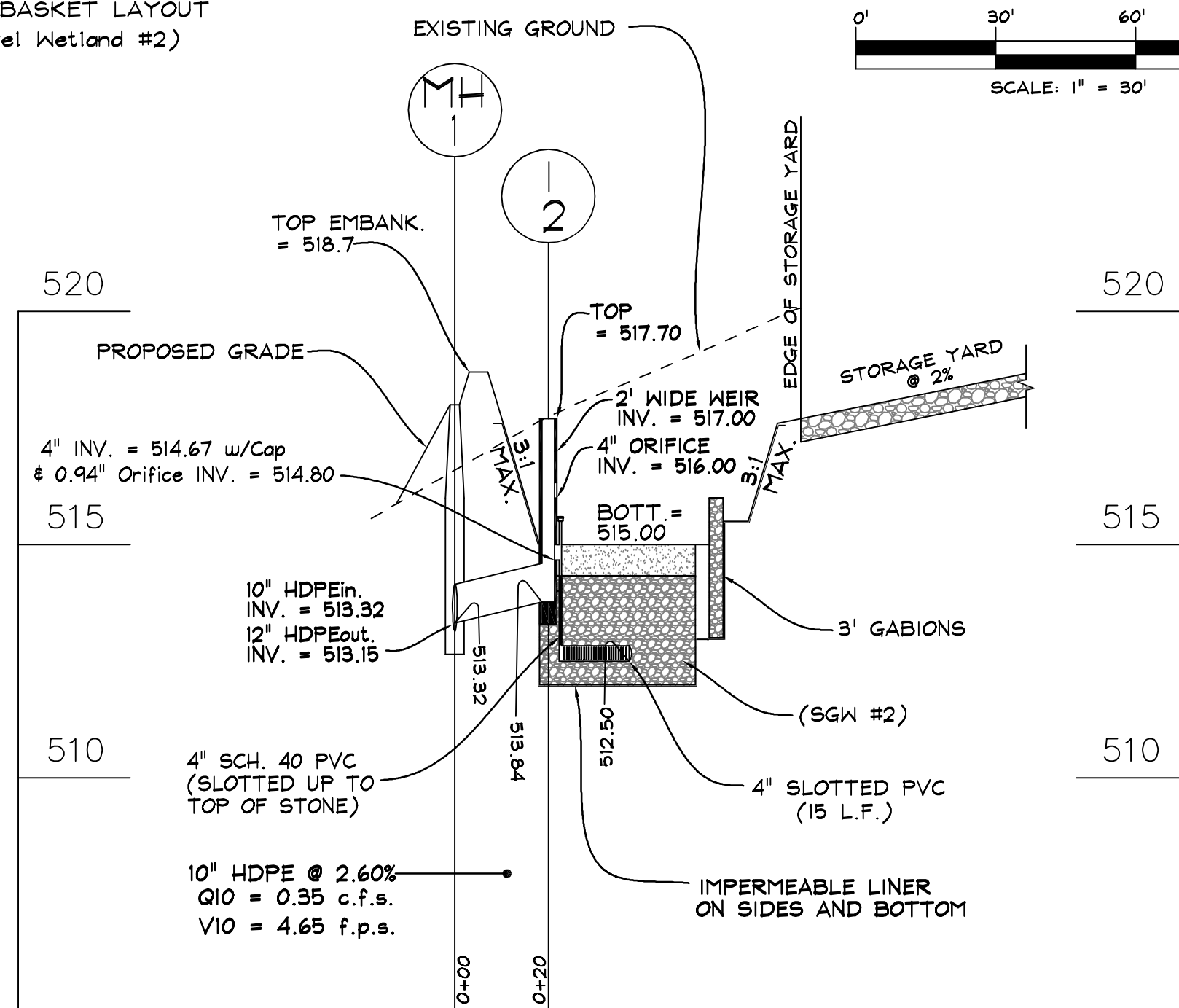


Submerged Gravel Wetland #2 Plan



SECTION THRU SGW #1

SCALE HORZ. 1"=30'  
VERT. 1"=3'

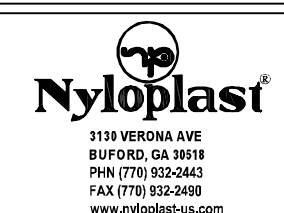


SECTION THRU SGW #2

SCALE HORZ. 1"=30'  
VERT. 1"=3'

PRIVATE STRUCTURE SCHEDULE (SGW #1 & #2)									
STRUCTURE NO.	TOP ELEVATION	INV.IN	INV.OUT	NORTH	EAST	ROAD STA.	OFFSET	TYPE	REMARKS
I-1	517.50	514.67 (4")	514.57 (10")	721,879.11	1,260,004.03	-----	---	MODIFIED INLET	See Detail, Sheet 6
I-2	517.70	514.67 (4")	513.84 (10")	722,123.01	1,259,951.57	-----	---	MODIFIED INLET	See Detail, Sheet 6
MH-1	518.00	513.32 (10"), 513.32 (10")	513.15 (12")	722,117.53	1,259,932.10	-----	---	4" STD. MANHOLE	
S-1	513.84	512.84 (12")	-----	722,121.73	1,259,885.14	-----	---	HDPE END SECTION	Nyloplast OR EQUAL

PIPE SCHEDULE (SGW #1 & #2)		
SIZE	CLASS	LENGTH
4"	PVC, SCH. 40 (SOLID)	2.5'
4"	PVC, SCH. 40 (SLOTTED)	32.5'
10"	HDPE	265'
12"	HDPE	141'



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PLANS & DETAILS

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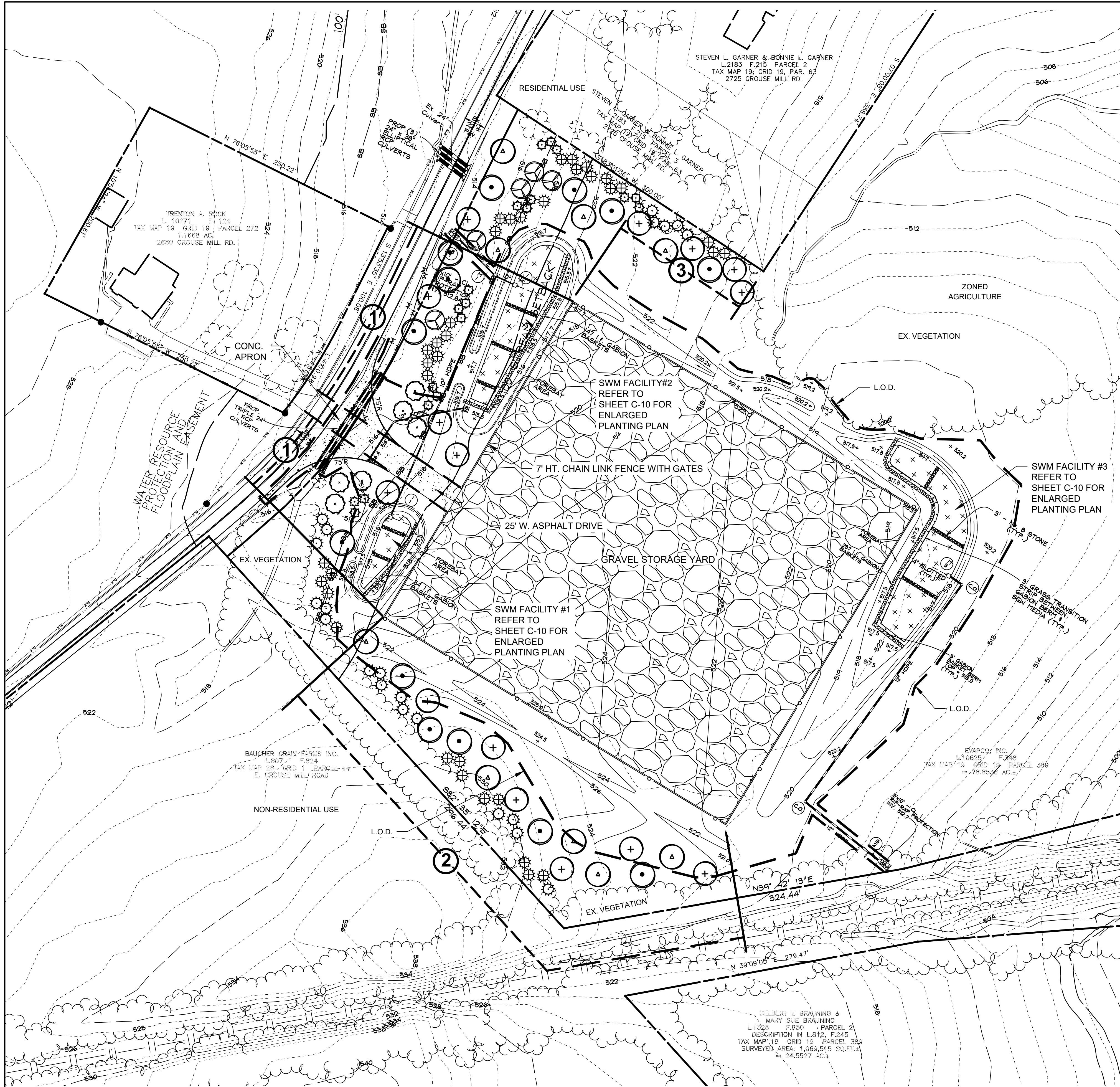
REVISIONS			
NO.	DESCRIPTION OF CHANGES	DRN	REV. DATE

CO. FILE # S-24-0009	DES. BY: M.R.T.
TAX ACC. #: 025473	DRN. BY: J.C.L.
TAX MAP: 19	CHK. BY: P.G.C.
BLOCK / GRID: 19	DATE: 5/7/25
PARCEL #: 389	DDC JOB#: 07006.7
ZONE / USE: AGRICULTURE	SHEET NUMBER:
DWG. SCALE: AS SHOWN	7 of 12

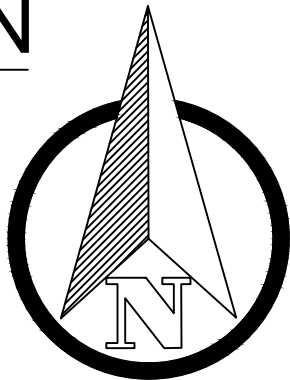
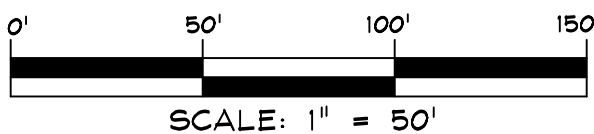








## LANDSCAPE PLAN



### CARROLL COUNTY LANDSCAPE SPECIFICATIONS:

- A. ALL PLANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE LATEST EDITION OF HORTUS THIRD, BY "THE STAFF OF THE HORTORIUM".
- B. ALL NURSERY STOCK SHALL CONFORM TO AMERICAN ASSOCIATION OF NURSERYMEN, INC., STANDARDS AS DESCRIBED IN AMERICAN STANDARD FOR NURSERY STOCK, CURRENT ANSI A-300 SPECIFICATIONS.
- C. LANDSCAPE SPECIFICATIONS SHALL CONFORM TO LANDSCAPE GUIDELINES FOR MARYLAND, WASHINGTON, D.C., AND VIRGINIA, LATEST EDITION. ALL NURSERY STOCK SHALL BE PLANTED IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN THE GUIDELINES.
- D. THREE (3) INCHES TOPSOIL ON ALL DISTURBED AREAS TO BE LANDSCAPED, SEEDED OR SODDED IS REQUIRED.
- E. A SEPARATE PLAN LABELED "LANDSCAPE PLAN" (MAY BE COMBINED WITH FOREST CONSERVATION PLAN) IS REQUIRED. LANDSCAPE REQUIREMENTS MAY NOT BE COMBINED WITH THE FOREST CONSERVATION PLAN.

### Installation:

- (1) Standards to conform to the most recent version of the ANSI A300 Standards Part 6 -- Transplanting and Landscape Specifications Guidelines of the Landscape Contractors Association, Maryland, District of Columbia and Virginia.
- (2) Planting on individual lots shall be installed upon final grading inspection. No final grading approval shall be given on the building permit until landscaping is complete.
- (3) A completed and sealed certification by a landscape architect shall be provided at the initial inspection. The completion form with photographs is required.
- (4) Acceptable plant survival shall be defined as not more than 1/3 mortality. A 12 month inspection will be performed by the County. No inspections shall be finalized from November 1st to March 1st.

### Maintenance Responsibility:

The owner of any property on which landscaping has been installed pursuant to this chapter shall maintain the landscaping in good condition in perpetuity. A Landscape Maintenance Agreement shall be required. Failure to replace dead or dying PUs or the removal of any installed PUs is a violation of this chapter.

### Inspections:

A minimum of 2 inspections will be required:

- (1) Initial Inspection. This inspection shall be performed when planting is completed to verify compliance with the approved planting plan. The inspection shall be performed by a landscape architect. A completed and sealed Landscape Certificate shall be provided with photographs or other visual documentation. The 12-month survival period will begin upon receipt of the Landscape Certification.
- (2) Final Inspection. This inspection shall be performed by the County 12 months after certification of the initial planting.

### PLANTING NOTES:

1. CONTRACTOR IS TO NOTIFY MISS UTILITY A MINIMUM OF 72 HOURS PRIOR TO DIGGING. TELEPHONE: 1-800-257-7777.
2. THE LANDSCAPE ARCHITECT IS TO BE NOTIFIED 48 HOURS BEFORE PLANTING BEGINS. THE LOCATION OF ALL PLANT MATERIAL IS TO BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
3. THIS PLAN IS FOR PLANTING ONLY.
4. NO TREE OR SHRUB PLANTING PITS ARE TO BE LEFT OPEN OR UNATTENDED.

### SITE PLANT LIST

KEY	QTY	BOTANICAL NAME COMMON NAME	SIZE	CONDITION	REMARKS
+	15	ACER RUBRA 'REDPOINTE' 'REDPOINTE' RED MAPLE	2" - 2 1/2" CAL	B&B	FULL SPECIMEN
•	13	NYSSA SYLVATICA 'WILDFIRE' 'WILDFIRE' BLACK GUM	2" - 2 1/2" CAL	B&B	FULL SPECIMEN
Δ	9	QUERCUS PHELLOS WILLOW OAK	2" - 2 1/2" CAL	B&B	FULL SPECIMEN
⊗	5	MAGNOLIA VIRGINIANA SWEETBAY MAGNOLIA	6"-8" HT	B&B	FULL HEAVY SPECIMEN
⊙	6	PRUNUS x YEDOENSIS YOSHINO CHERRY	1 1/4" - 1 1/2" CAL	B&B	FULL HEAVY SPECIMEN
⊛	21	ILEX OPACA 'SATYR HILL' SATYR HILL AMERICAN HOLLY	6'-7" HT.	B&B	FULL HEAVY SPECIMEN SPACED 10' O.C. STAGGERED
⊞	19	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	6'-7" HT.	B&B	FULL HEAVY SPECIMEN SPACED 8' O.C. STAGGERED
⊟	36	THUJA X 'GREEN GIANT' GREEN GIANT ARBORVITAE	6'-7" HT.	B&B	FULL HEAVY SPECIMEN SPACED 8'-10' O.C. STAGGERED

REFER TO SHEET C-10 FOR SWM FACILITY PLANTING PLANS, SWM PLANT LIST, AND PLANTING DETAILS.

## LANDSCAPE CALCULATIONS

### E. OUTDOOR STORAGE AND LOADING

**REQUIRED:**  
MIN. 15' WIDE CLASS 'A' SCREEN ADJACENT TO PUBLIC RIGHT OF WAY  
1 PLANTING UNIT / 20 LF: 186 LF + 91 LF = 277 LF / 20 = 13.9 P.U.

**PROVIDED:**  
12- MAJOR TREES @ 1:1 = 12.0 PU  
11- MINOR TREES @ 2:1 = 5.5 PU  
36- EVERGREEN TREES @ 2:1 = 18.0 PU  
TOTAL 35.5 PU

**2** MIN. 10' WIDE CLASS 'A' SCREEN ADJACENT TO NON-RESIDENTIAL USE  
1 PLANTING UNIT / 20 LF: 495 LF / 20 = 24.8 P.U.

**PROVIDED:**  
16- MAJOR TREES @ 1:1 = 16.0 PU  
0- MINOR TREES @ 2:1 = 0.0 PU  
18- EVERGREEN TREES @ 2:1 = 9.0 PU  
TOTAL 25.0 PU + EXISTING VEGETATION

**3** MIN. 15' WIDE CLASS 'C' SCREEN ADJACENT TO RESIDENTIAL USE OR ZONE  
1 PLANTING UNIT / 15 LF: 133 LF / 15 = 8.9 P.U.

9- MAJOR TREES @ 1:1 = 9.0 PU  
0- MINOR TREES @ 2:1 = 0.0 PU  
22- EVERGREEN TREES @ 2:1 = 11.0 PU  
TOTAL: 20.0 PU

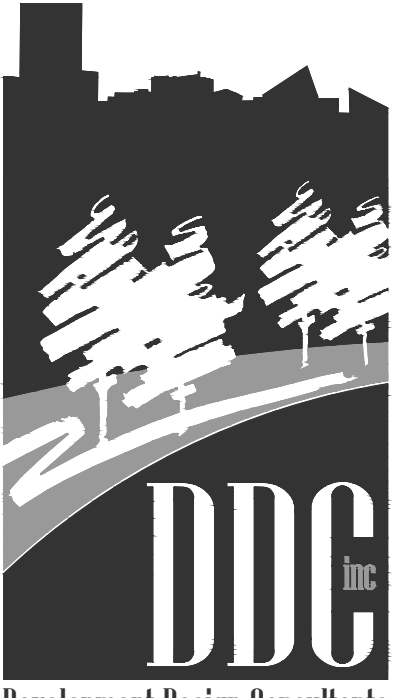
TOTAL PLANTING UNITS REQUIRED: 47.6  
TOTAL PLANTING UNITS PROVIDED: 80.5

NOTE: ADDITIONAL PLANT MATERIAL PROVIDED ALONG FRONTAGE AND ADJACENT TO RESIDENTIAL USE.

NOTE: LANDSCAPING OUTSIDE THE L.O.D. SHALL BE INSTALLED IN ACCORDANCE WITH SOIL CONSERVATION DAILY STABILIZATION REQUIREMENTS.

### DATA SOURCES:

EXISTING TOPOGRAPHY SHOWN PER FIELD SURVEY  
BY DEVELOPMENT DESIGN CONSULTANTS  
CONDUCTED IN DECEMBER 2022, AND  
SUPPLEMENTED BY PRIOR SURVEYS COMPLETED BY  
DDC INC. AND BY CARROLL COUNTY GIS DATA  
EXISTING BOUNDARY SHOWN PER RECORD DRAWINGS.



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SITE ADDRESS:  
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TANETOWN, MD 21787

LANDSCAPE PLAN PREPARED BY:

**HUMAN & ROHDE, INC.**  
Landscape Architects  
512 Virginia Ave.  
Towson, Maryland 21286  
(410) 825-3885 Phone  
(410) 825-3887 Fax

5/2/2025  
DATE



LYNETTE B. PINHEY, RLA  
MD RLA 1143

**EVAPCO, INC.**  
SITE PLAN  
LANDSCAPE PLAN

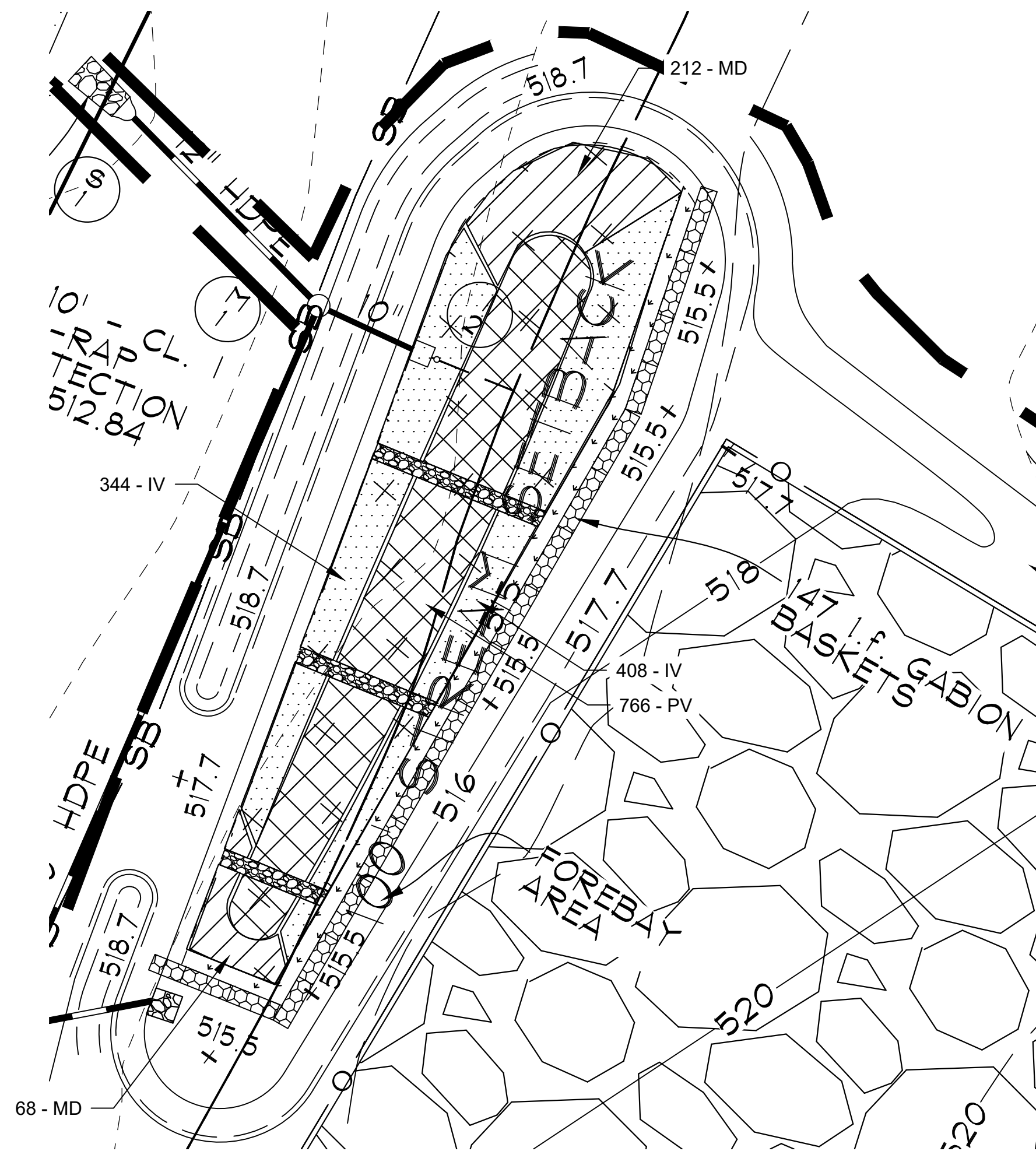
COMMISSIONER DISTRICT 1  
1ST ELECTION DISTRICT

CARROLL COUNTY, MD

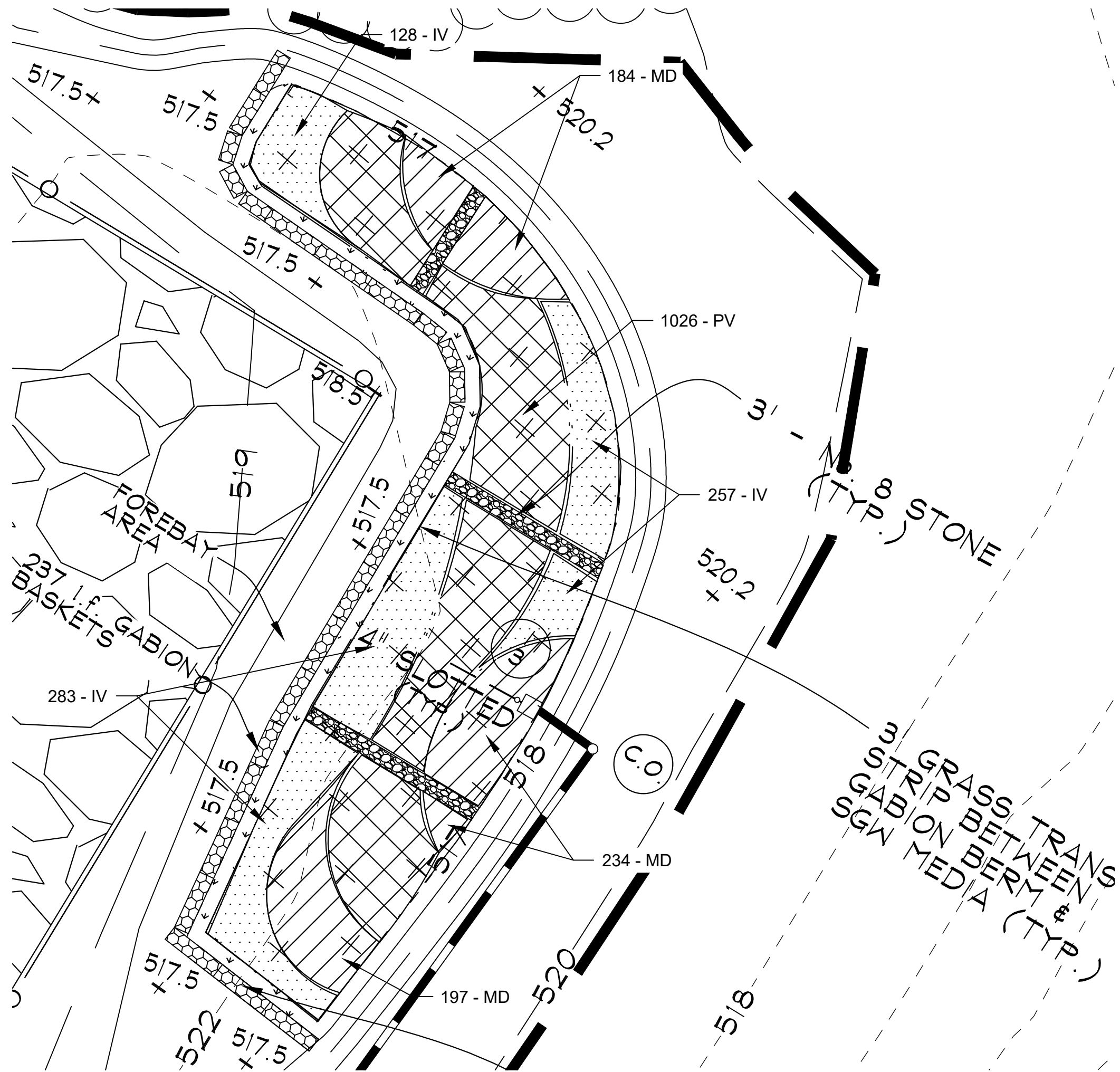
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DWG. SCALE: AS SHOWN			

9 of 12

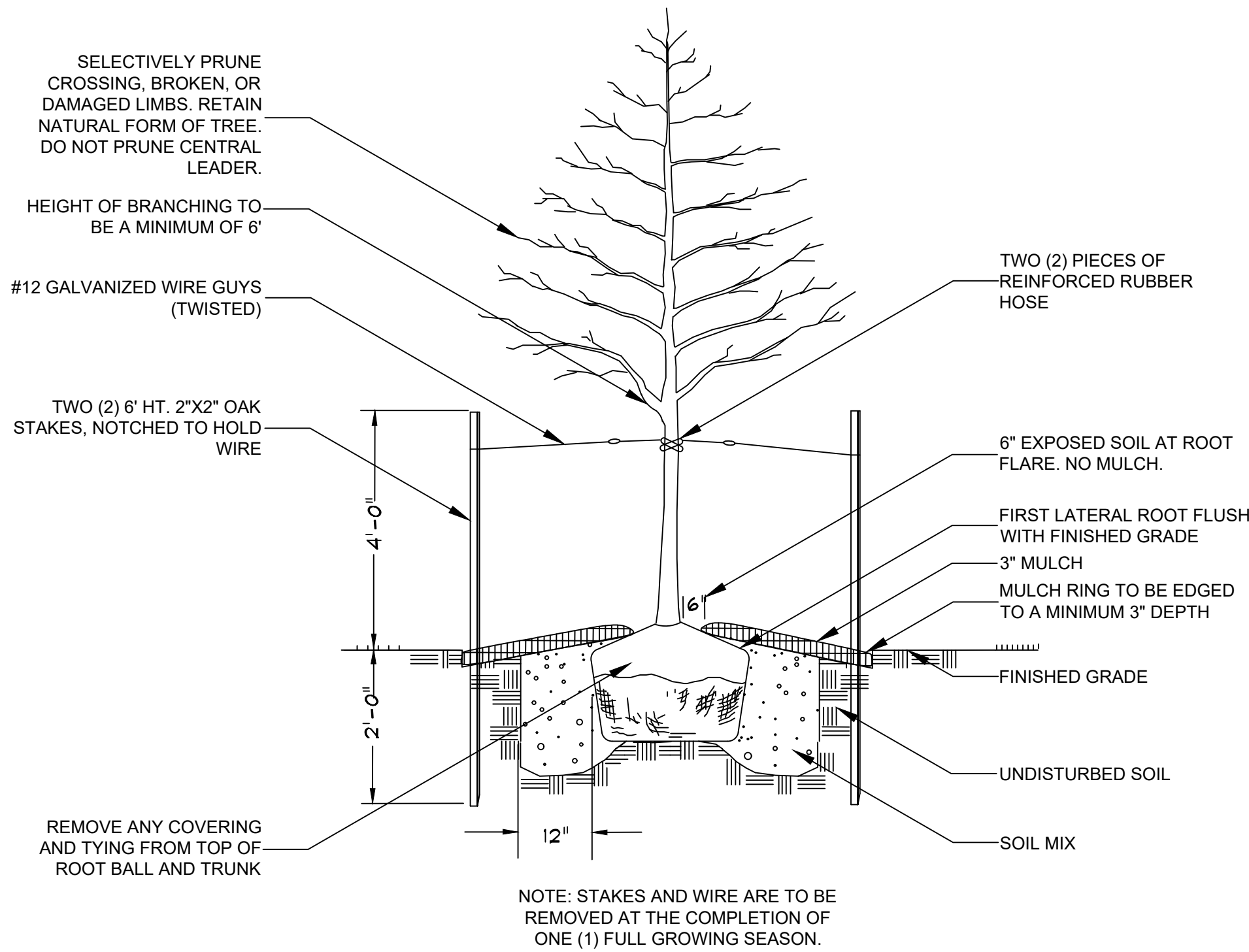




ENLARGED SWM FACILITY PLANTING PLAN #2

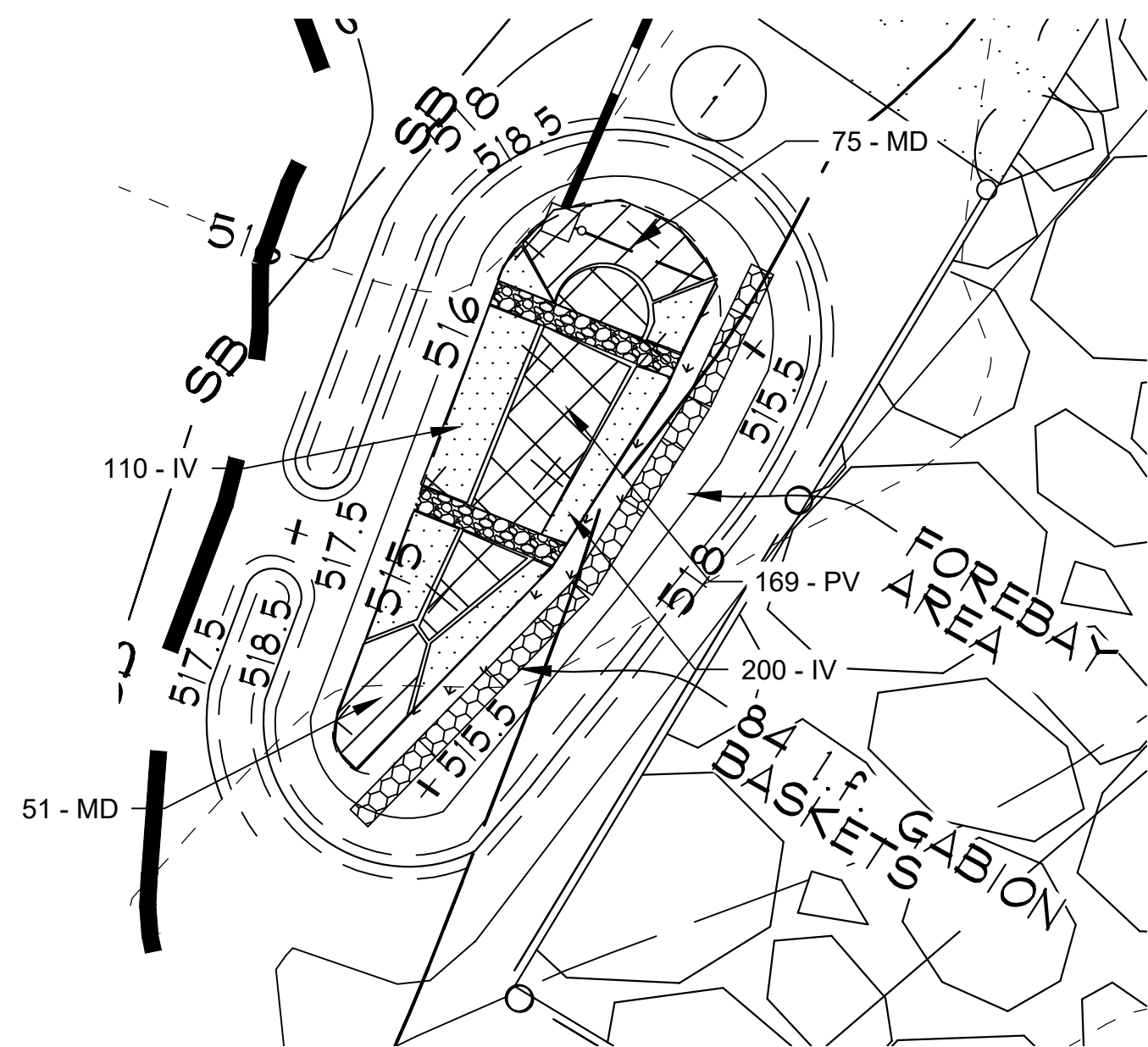


ENLARGED SWM FACILITY PLANTING PLAN #3



PLANTING DETAIL FOR  
DECIDUOUS AND EVERGREEN TREES (1" - 4" CALIPER)  
SCALE: NONE

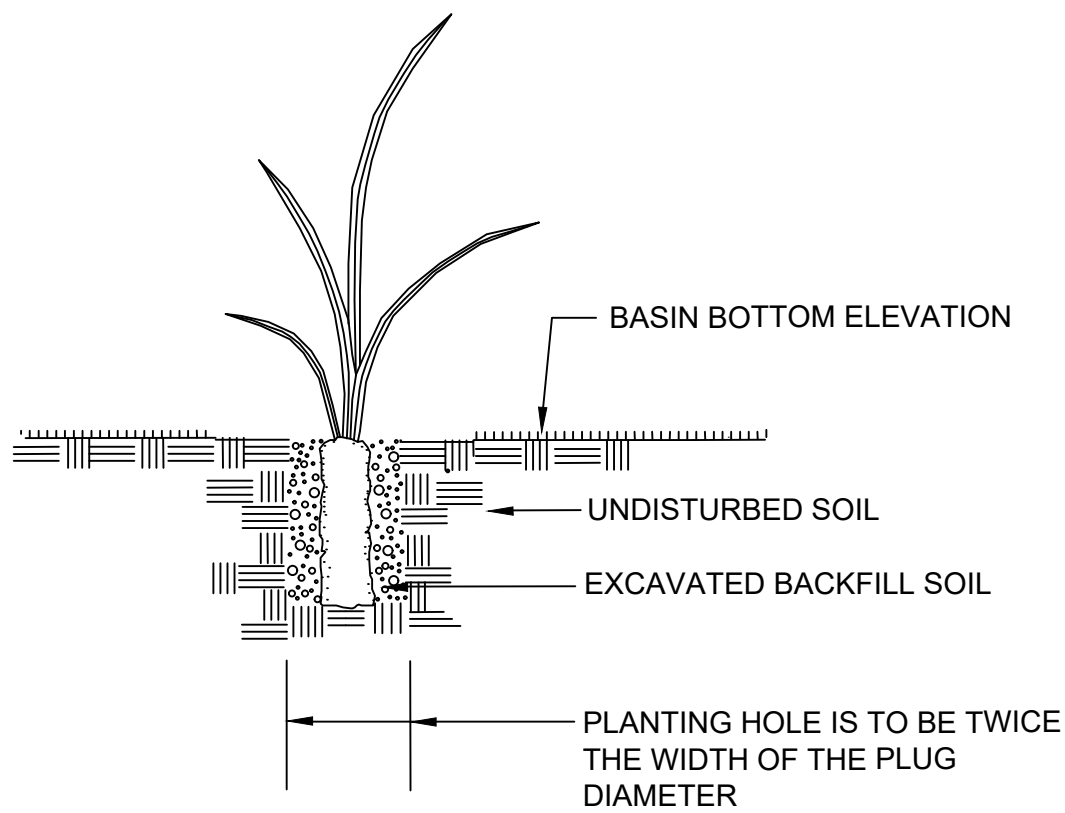
DATA SOURCES:  
EXISTING TOPOGRAPHY SHOWN PER FIELD SURVEY  
BY DEVELOPMENT DESIGN CONSULTANTS,  
CONDUCTED IN DECEMBER, 2022, AND  
SUPPLEMENTED BY PRIOR SURVEYS COMPLETED BY  
DDC INC. AND BY CARROLL COUNTY GIS DATA.  
EXISTING BOUNDARY SHOWN PER RECORD DRAWINGS.



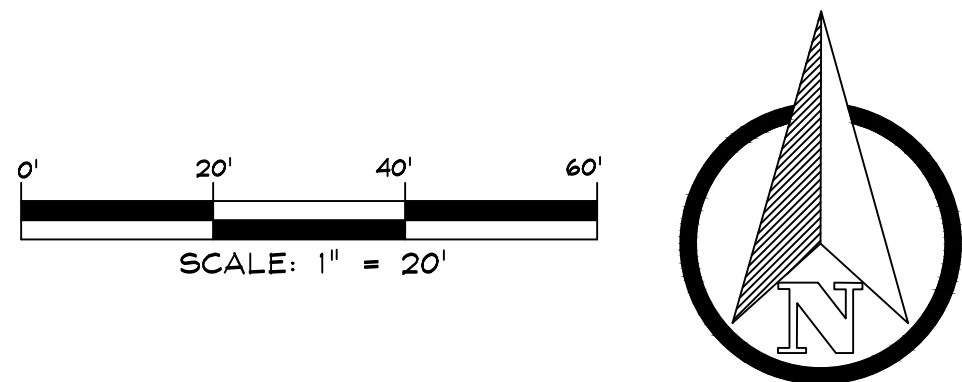
ENLARGED SWM FACILITY PLANTING PLAN #1

#### SWM PLANT LIST

KEY	QTY	BOTANICAL NAME COMMON NAME	CONDITION	REMARKS
IV	1730	IRIS VERSICOLOR BLUE FLAG IRIS	PLUG	SPACED 18" O.C. (STAGGERED)
MC	1021	MONARDA DIDYMA 'JACOB CLINE' JACOB CLINE BEE BALM	PLUG	SPACED 18" O.C. (STAGGERED)
PV	1961	PANICUM VIRGATUM 'PRAIRIE DOG' PRAIRIE DOG SWITCHGRASS	PLUG	SPACED 18" O.C. (STAGGERED)



PLANTING DETAIL FOR DEEP PLUGS  
NOT TO SCALE



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DEVELOPER:  
EVAPCO, INC.  
5151 ALLENDALE LANE  
TANNEYTOWN, MD 21787  
(410) 876-3782

SITE ADDRESS:  
CROUSE MILL ROAD  
TANNEYTOWN, MD 21787

LANDSCAPE PLAN PREPARED BY:  
**HUMAN & ROHDE, INC.**  
Landscape Architects  
512 Virginia Ave.  
Towson, Maryland 21286  
(410) 825-3885 Phone  
(410) 825-3887 Fax

**EVAPCO, INC.**  
SITE PLAN  
**LANDSCAPE PLAN**

COMMISSIONER DISTRICT 1  
1ST ELECTION DISTRICT  
CARROLL COUNTY, MD

REVISIONS

NO. DESCRIPTION OF CHANGES DRN. REV. DATE

CO. FILE #: DES. BY: M.R.T.

TAX ACC. #: 025473 DRN. BY: J.C.L.

TAX MAP: 19 CHK. BY: P.G.C.

BLOCK / GRID: 19 DATE: 5/2/2025

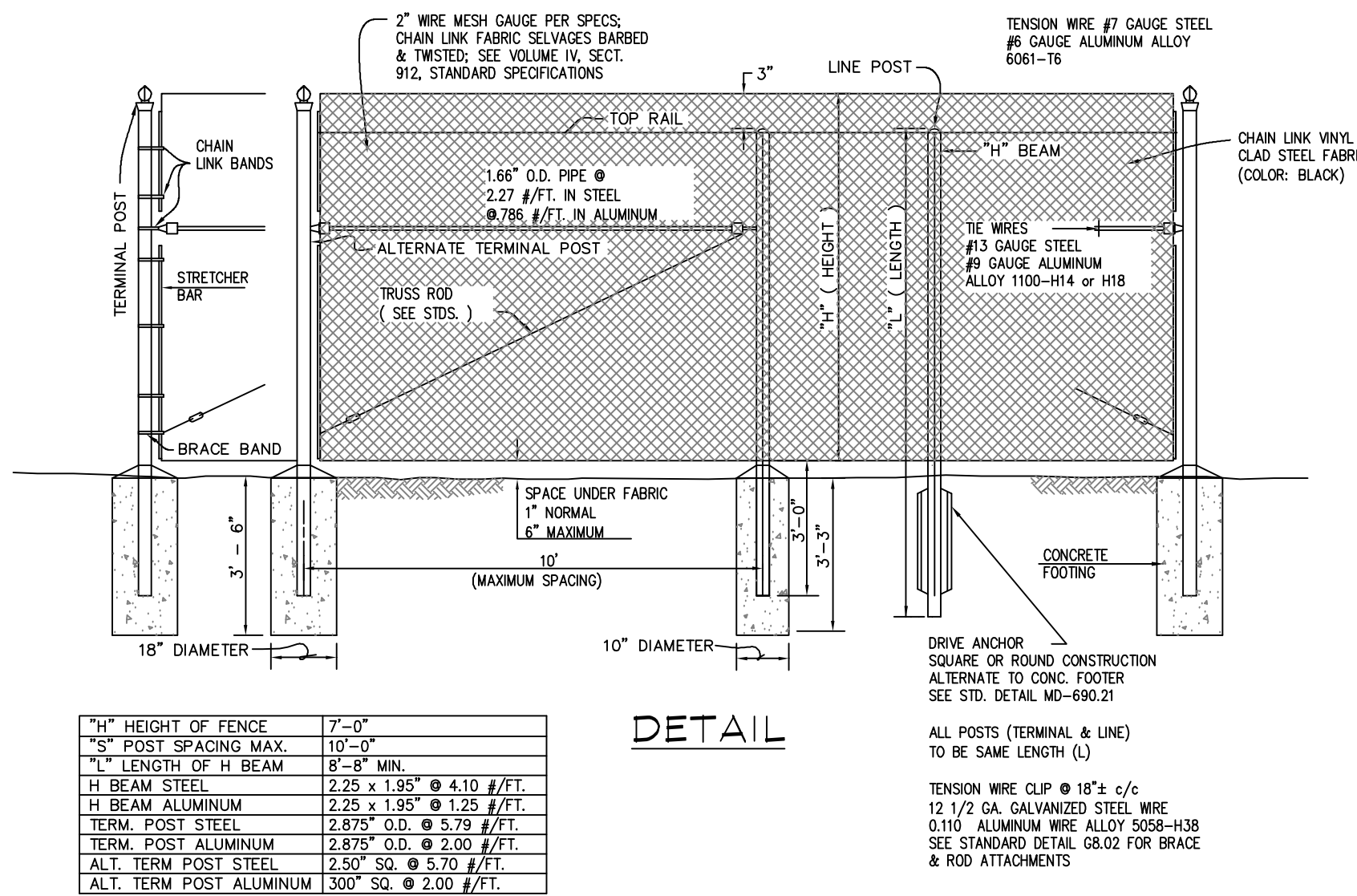
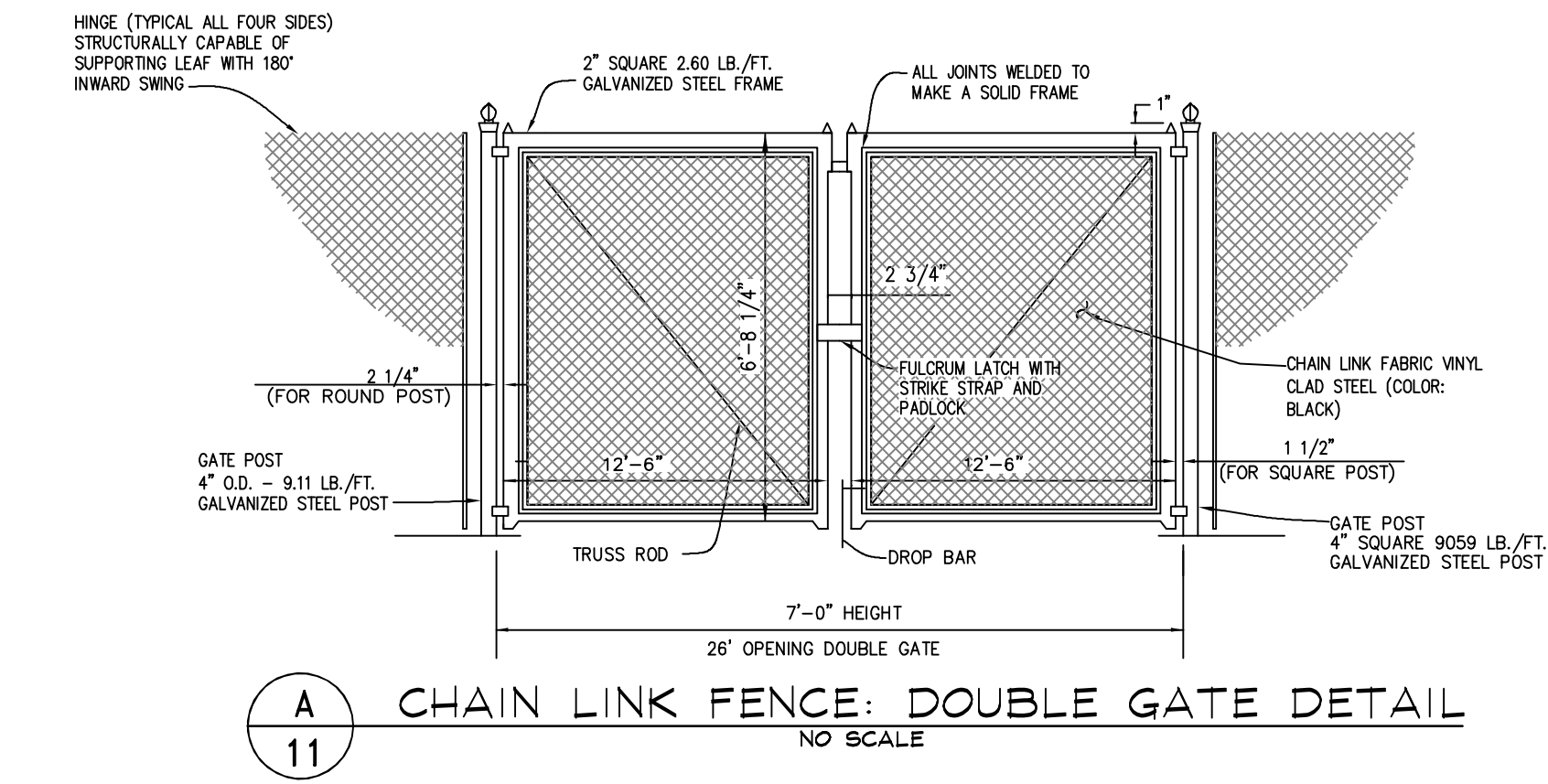
PARCEL #: 389 DDC JOB#: 07006.7

ZONE / USE: AGRICULTURE SHEET NUMBER:

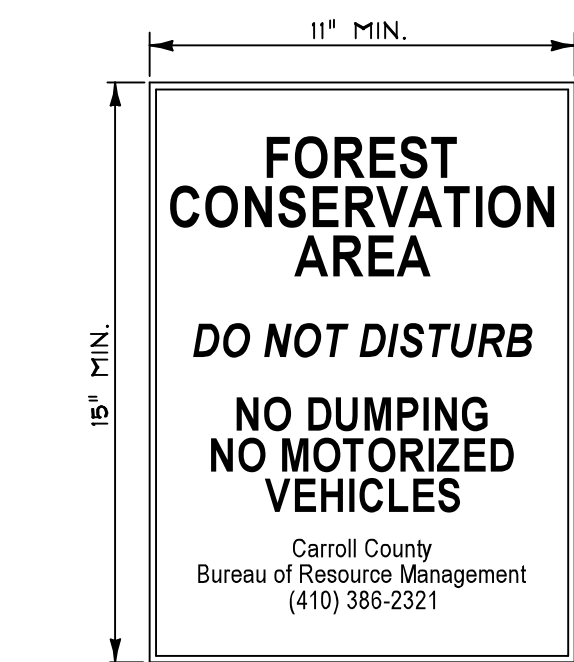
DWG. SCALE: AS SHOWN 10 of 12



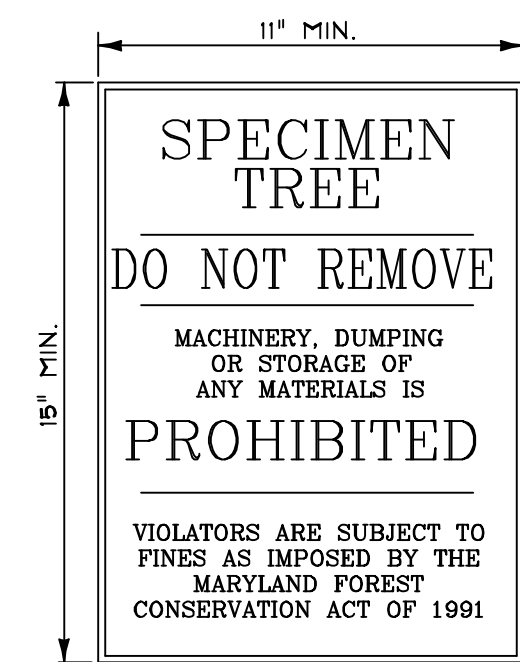




**B 11** CHAIN LINK FENCE  
NO SCALE



NOTE: SIGNS TO BE PLACED ON METAL POSTS 5' +/- ABOVE FINISH GRADE. PLACE SIGNS EVERY 100' AROUND PERIMETER OF FOREST RETENTION AREA. SIGNS MAY NOT BE ATTACHED TO TREES.



NOTE: SIGNS TO BE PLACED ON METAL POSTS 5' +/- ABOVE FINISH GRADE. PLACE 2 SIGNS PER TREE AROUND PERIMETER OF FOREST RETENTION AREA. SIGNS MAY NOT BE ATTACHED TO TREES.

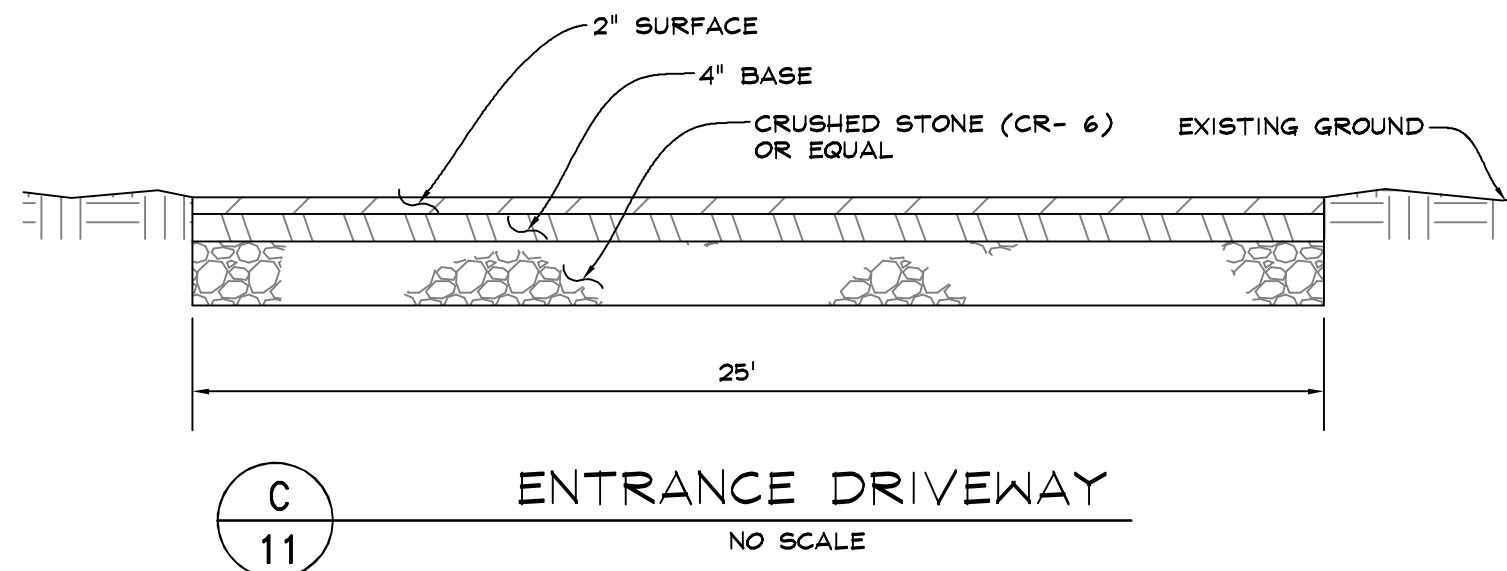
### WATER RESOURCE PROTECTION AREA

This area is being maintained to protect and enhance water quality.

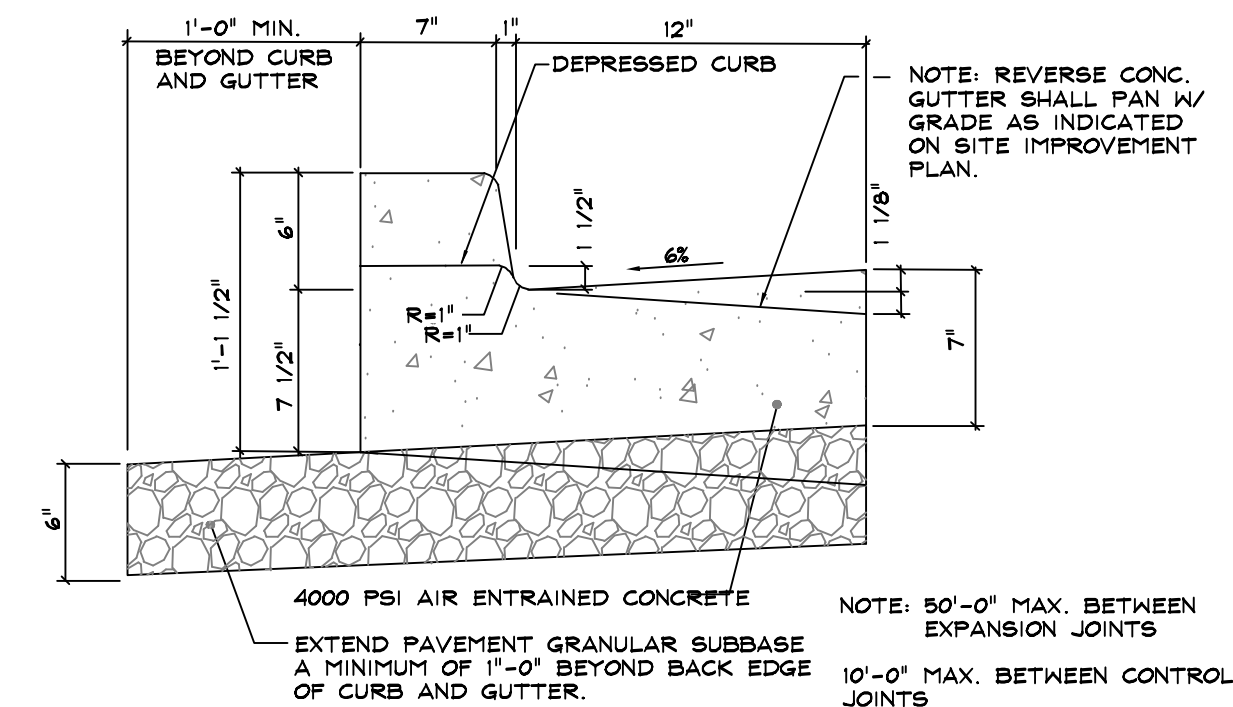
Clean Water  
For Your Future  
Carroll County Government

NOTE: SIGNS TO BE PLACED ON METAL POSTS 5' +/- ABOVE FINISH GRADE. PLACE SIGNS EVERY 100' AROUND PERIMETER OF FOREST RETENTION AREA. SIGNS MAY NOT BE ATTACHED TO TREES.

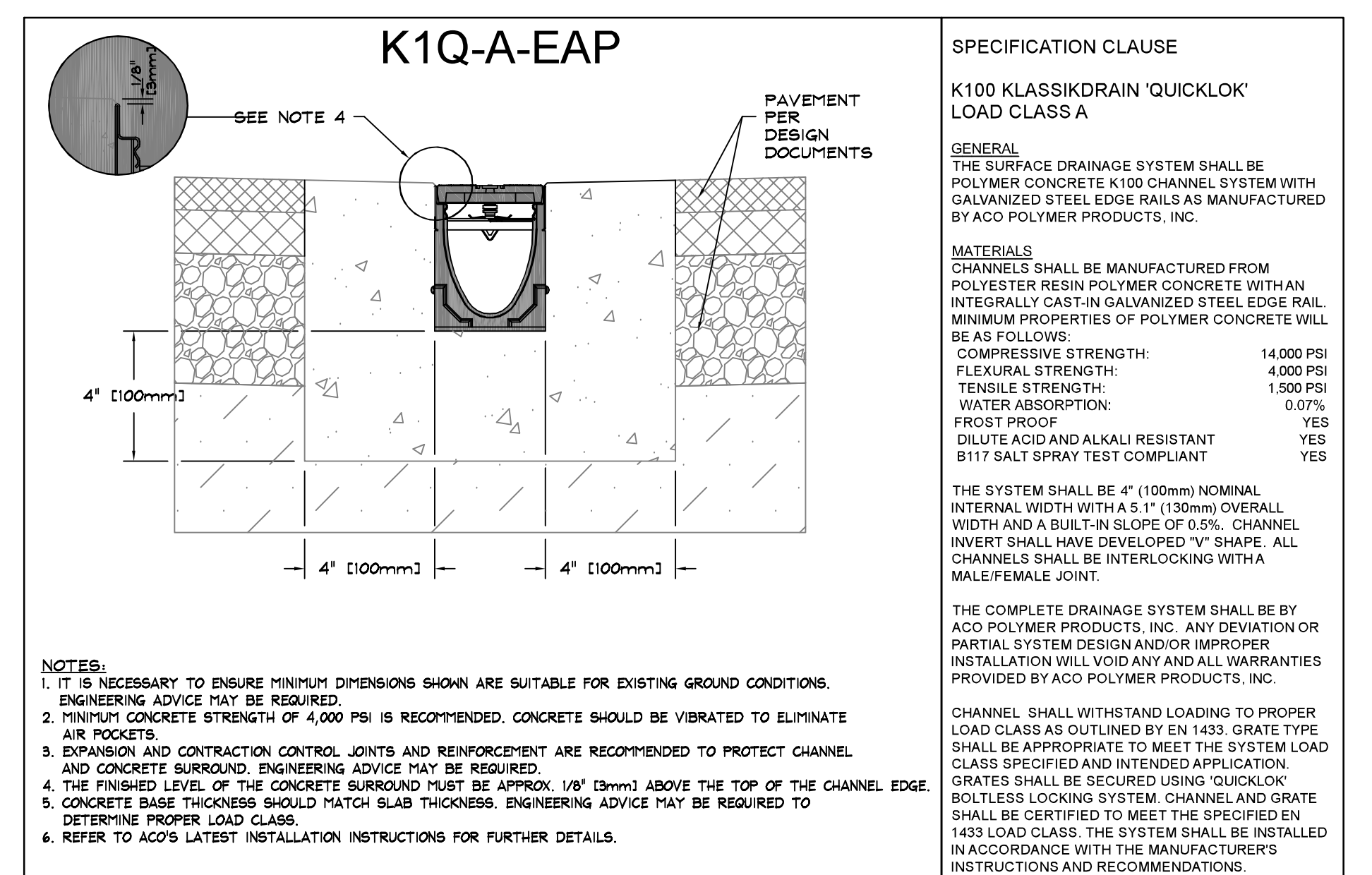
**FOREST CONSERVATION, SPECIMEN TREE & WATER RESOURCE PROTECTION SIGN DETAILS**  
N.T.S.



**D 11** STONE BASE STORAGE AREA  
NO SCALE



**E 11** STANDARD 6" COMB. CONC. CURB AND GUTTER  
NO SCALE



**F 11** TRENCH DRAIN - K100 KLASSIKDRAIN 'QUICKLOK' OR EQUAL  
NO SCALE

**DDC inc.**  
Development Design Consultants

Planners  
Surveyors  
Engineers  
Landscape Architects

192 East Main Street  
Westminster, MD 21157  
410.386.0560  
410.386.0564 (Fax)  
DDC@DDCinc.us  
www.DDCinc.us

OWNER:  
EVAPCO, INC.  
5151 ALLENDALE LANE  
TANETOWN, MD 21787  
(410) 876-3782

DEVELOPER:  
EVAPCO, INC.  
5151 ALLENDALE LANE  
TANETOWN, MD 21787  
(410) 876-3782

SITE ADDRESS:  
CROUSE MILL ROAD  
TANETOWN, MD 21787

### EVAPCO, INC. EQUIPMENT STORAGE YARD SITE PLAN

#### SITE DETAILS

COMMISSIONER DISTRICT 1  
1ST ELECTION DISTRICT CARROLL COUNTY, MD

REVISIONS			
NO.	DESCRIPTION OF CHANGES	DRN	REV. DATE

CO. FILE #: S-24-0009	DES. BY: M.R.T.
TAX ACC. #: 025473	DRN. BY: J.C.L.
TAX MAP: 19	CHK. BY: P.G.C.
BLOCK / GRID: 19	DATE: 5/7/25
PARCEL #: 389	DDC JOB#: 07006.7
ZONE / USE: AGRICULTURE	SHEET NUMBER:
DWG. SCALE: AS SHOWN	11 of 12

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:  
JAN 25, 2026

5/7/2025  
DATE

**PAUL G. CAVANAUGH**  
PROFESSIONAL ENGINEER NO. 27020



