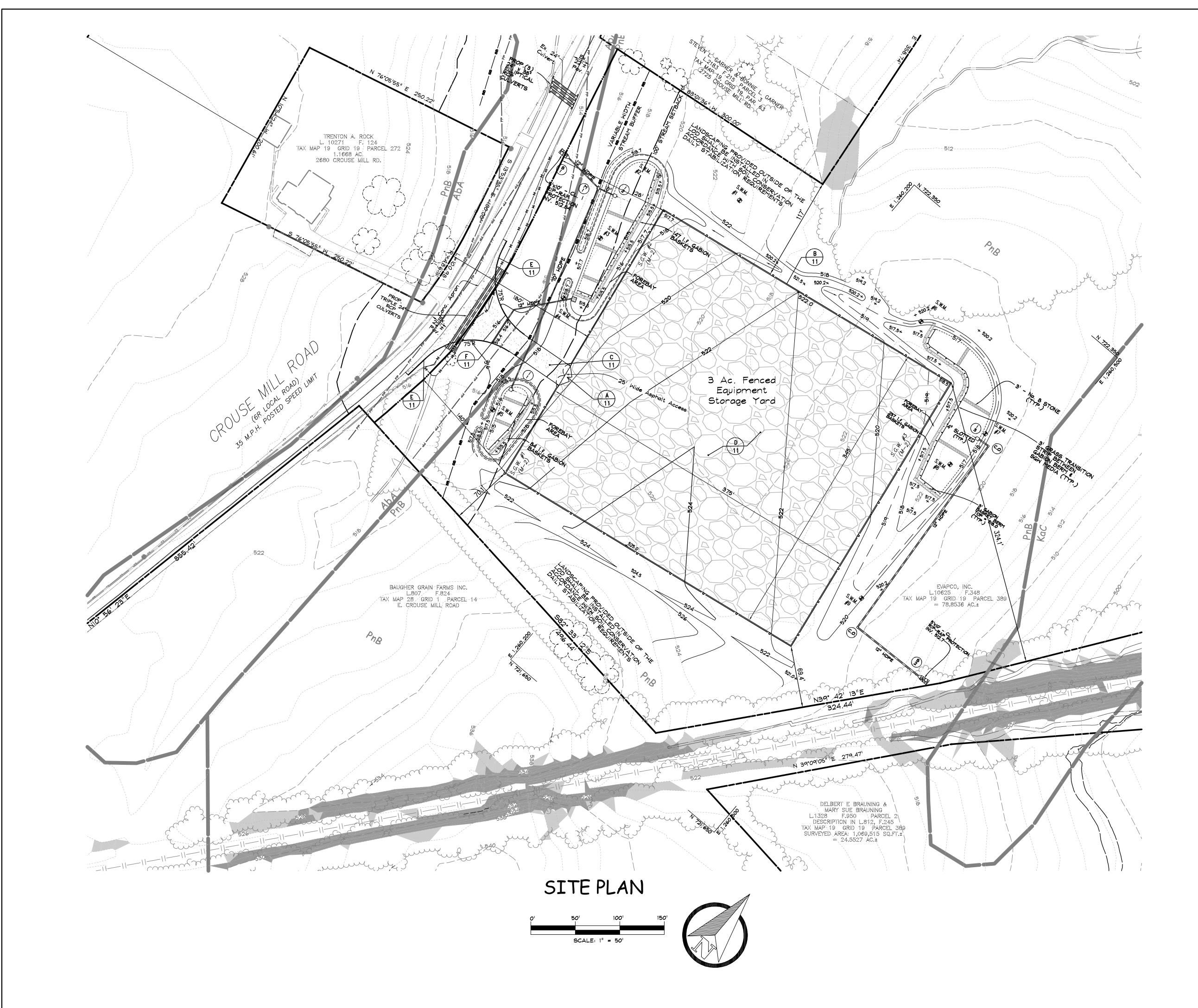
SHEET INDEX I COVER SHEET 2 SITE PLAN 3 SEDIMENT AND EROSION CONTROL PLAN 4 SEDIMENT AND EROSION CONTROL NOTES	SITE PLAN	GENERAL NOTES 1. SUBJECT PROPERTY ZONED AGRICULTURE PER ZONING PLAN. 2. SITE ANALYSIS: a. GROSS AREA OF TRACT = 54.21 AC.±
5 SEDIMENT AND EROSION CONTROL DETAILS 6 STORMWATER MANAGEMENT NOTES, & DETAILS 7 STORMWATER MANAGEMENT PLANS & DETAILS 8 STORMWATER MANAGEMENT PLAN & DETAILS 9 LANDSCAPE PLAN 10 LANDSCAPE PLAN 11 SITE DETAILS	EVAPCO, INC. Equipment Storage Yard	b. AREA OF PROJECT/L.O.D. = 5.64 AC.± (245,654 SQ.FT.) c. EXISTING/PROPOSED USE = AGRICULTURAL / CONTRACTOR STORAGE d. NEW IMPERVIOUS AREA = 3.2 AC.± (139,521 SQ.FT.±) (3 AC. LOT AND ENTRANCE DRIVE) e. TOTAL IMPERVIOUS AREA = 3.2 AC.± (139,521 SQ.FT.±) 3. TAX MAP 19 GRID 19 PARCEL 389 4. TOPOGRAPHIC CONTOURS ARE BASED ON A AERIAL SURVEY PERFORMED BY MTPLS, DATED ON OR ABOUT SEPTEMBER 8, 2022. 5. PROPERTY OUTLINE SHOWN BASED ON A FIELD RUN SURVEY PER FORMED BY DDC, INC. ON OR ABOUT DECEMBER 23, 2021. TRACT I AREA = 54.21 ACRES. 6. THE PROPERTY SHOWN HEREON IS OWNED BY EVAPCO, INC. BY DEED DATED DECEMBER 21, 2021, RECORDED AMONG THE LAND RECORDS OF CARROLL COUNTY IN LIBER 10625, FOR THE PROPERTY SHOWN HEREON IS OWNED BY EVAPCO, INC. BY DEED DATED DECEMBER 21, 2021, RECORDED AMONG THE LAND RECORDS OF CARROLL COUNTY IN LIBER 10625, FOR THE PROPERTY SHOWN HEREON IS OWNED BY EVAPCO, INC. BY DEED DATED DECEMBER 21, 2021, RECORDED AMONG THE LAND RECORDS OF CARROLL COUNTY IN LIBER 10625,
12 FOREST CONSERVATION PLAN	Zoned: AG Tax Map No. 19 Grid No. 19 Parcel No. 389 First Election District Carroll County, Maryland O SHIRLEY ANN CROUSE & @ EDWARD EUGENE SAUBLE JR. & CAMERON JAUGHN SAUBLE & CAMERON JAUGHN SA	ON ON ABOUT DECEMBER 23, 201. INACT TARES 54:21 ACRES. THE PROPERTY SHOWN HEREON IS ONNED BY EVAPCO, INC. BY DEED DATED DECEMBER 21, 2021, RECORDED AMONG THE LAND RECORDS OF CARROLL COUNTY IN LIBER 10625, FOLIO 348. THE LOCATION OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. CONTRACTOR SHALL VOTIFY THE EXISTENCE, LOCATION, AND DEPTH OF ANY EXISTING UTILITIES AND SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 THREE WORKING BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 THREE WORKING DAYS PRIOR TO BEGINNING ANY WORK IN THE VICINITY OF EXISTING UTILITIES. THE CONTRACTOR SHALL NOTE THAT IN CASE OF DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOULD GOVERN. ANY CHANGES TO THIS PLAN WILL REQUIRE AN AMENDED SITE DEVELOPMENT PLAN TO BE APPROVED BY THE CARROLL COUNTY PLANNING AND ZONING COMMISSION. THIS SITE PLAN SHALL BECOME VOID EIGHTEEN MONTHS AFTER THE DATE OF APPROVAL IF NO BUILDING PERMIT OR ZONING CERTIFICATE HAS BEEN ISSUED FOR THIS PROJECT, UNLESS AN EXTENSION OF THIS TIME LIMIT IS ISSUED BY THE DIRECTOR OF THE DEPARTMENT OF PLANNING AND LAND MANAGEMENT. NO CONSTRUCTION VEHICLES, CONTRACTOR OR PRIVATE, CONSTRUCTION MATERIALS OR EQUIPMENT MAY BE PARKED, PLACED OR STORED WITHIN ANY PUBLIC SCALE: I"=2000"
10 3.43 10.9 30 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	L.8071 F.439 TAX MAP 19, GRID 19, PAR. 65 45,000 SQ.FT.± 2805 CROUSE MILL RD. 2 SAMUEL B. MULLER & KELLIE L. KIRK L.2909 J.F.21 TAX MAP 19, GRID 19, PAR. 63 2725 CROUSE MILL RD. (5) STEVEN L. GARNER & BONNIE L. GARNER L.2183 F.215 PARCEL 2 TAX MAP 19, GRID 19, PAR. 63 2725 CROUSE MILL RD.	12. NO CONSTRUCTION VEHICLES, CONTRACTOR OR PRIVATE, CONSTRUCTION MATERIALS OR EQUIPMENT MAY BE PARKED, PLACED OR STORED WITHIN ANY PUBLIC RIGHT-OF-WAY. 13. STORMWATER MANNAGEMENT WILL BE PROVIDED IN ACCORDANCE WITH M.D.E. STORM WATER DESIGN MANUAL, VOLUMES I & II, REVISED 2009. 14. REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED BY THE PROPERTY OWNER. 15. NO CEMETERIES EXIST WITHIN THIS PROPERTY. 16. ALL PROPOSED ROADS ARE PRIVATE AND MAINTAINED BY THE PROPERTY OWNER. 17. THERE ARE EXISTING WETLANDS AND THEIR ASSOCIATED BUFFERS ON-SITE. FLOODPLAIN HAS BEEN IDENTIFIED ON SITE. BOTH WILL BE IMPACTED BY THE PROPOSED ENTRANCE. CULVERTS ARE PROPOSED THAT WILL RESULT NO OVERTOPPING OF THE PROPOSED FINTANCE DURING THE 10 YEAR STORM
20 6.5 13 50 63 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	E.O.C.: 0.00' 2765 CROUSE MILL RD. (a) ERIC WILLIAM HELM & JENNIFER KAY HELM L.5889 F.472 TAX MAP 19; GRID 19, PAR. 284 45,000 SQ.FT.± 2745 CROUSE MILL RD. (b) STEVEN L. GARNER & BONNIE L. GARNER L.2183 F.215 PARCEL 3 TAX MAP 19; GRID 19, PAR. 284 45,000 SQ.FT.± 2745 CROUSE MILL RD. (c) STEVEN L. GARNER & BONNIE L. GARNER L.2183 F.215 PARCEL 3 TAX MAP 19; GRID 19, PAR. 63 2725 CROUSE MILL RD. (d) STEVEN L. GARNER & BONNIE L. GARNER L.2183 F.215 PARCEL 3 TAX MAP 19; GRID 19, PAR. 63 2725 CROUSE MILL RD.	18. ALL STORM DRAIN CONSTRUCTION SHALL CONFORM TO CARROLL COUNTY'S "SPECIFICATIONS FOR CONSTRUCTION OF STREETS AND STORMWATER MANAGEMENT FACILITIES", WHICH SHALL TAKE PRECEDENCE OVER OTHER NOTES ON THE DRAWINGS. 19. THIS SITE IS LOCATED IN THE 5th FIRE AND EMERGENCY SERVICES DISTRICT. 20. EXCAVATION FOR STORMWATER MANAGEMENT FACILITIES ON THIS PROJECT EXTENDS INTO RESTRICTING LAYERS OF BEDROCK. SHOULD NON-RIPPABLE ROCK BE ENCOUNTERED, HAMMERING OR BLASTING SHALL BE REQUIRED. 21. A GRADING PERMIT WILL BE REQUIRED FOR THIS PROJECT. PRIOR TO ISSUANCE OF THE GRADING PERMIT, THE OWNER SHALL OBTAIN ALL REQUIRED LETTERS OF AUTHORIZATION AND PERMITS FROM MDE.
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	194 HIGHWAY 5. 80 48/98" W 206.25' TAX MAP 301 GRID 15 PARCEL 721 5151 ALLENDALE LANE	22. A NOTICE OF INTENT (NOI) SHALL BE OBTAINED FOR DISTURBANCES GREATER THAN ONE ACRE. A GENERAL PERMIT APPLICATION WILL BE SUBMITTED FOR THIS PROJECT. 23. A FLOODPLAIN STUDY HAS BEEN PROFORMED FOR THE STREAM CROSSING AT 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 PIPES BEING INSTALLED WITH THIS DESIGN. THE 25-YEAR STORM DOES NOT OVERTOP CROUSE MILL ROAD AT ALL A WATER RESOURCE PROTECTION EASEMENT WILL BE PROVIDED WITH THE FINAL PLAN APPROVAL. 24. THE PROPERTY IS IN AN AQUIFER PROTECTION AND A WELLHEAD PROTECTION AREA. 25. THE EQUIPMENT STORAGE YARD IS FOR NEW AIR HANDLING EQUIPMENT AND WILL NOT INCLUDE THE STORAGE OF HAZARDOUS OR REGULATED SUBSTANCES. THE SITE IS NOT A HOT SPOT AS DEFINED BY MDE. 26. THE SITE DOES NOT LIE WITHIN A TIER II CATCHMENT AS DESIGNATED BY MDE.
38 5.75 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	RANCIS DE LA CAMPAGNA DEL CAMPAGNA DE LA CAMPAGNA DEL CAMPAGNA DE LA CAMPAGNA DE LA CAMPAGNA DE LA CAMPAGNA DE LA CAMPAGNA DEL CAMPAGNA DE LA CAMPAGNA DEL CAMPAG	27. THERE ARE NO RARE, THREATENED OR ENDANGERED SPECIES LOCATED ON THE PROPERTY. 28. THE THREE ACRE EQUIPMENT STORAGE YARD IS SECURED BY A PROPOSED CHAINLINK FENCE. THE PROPOSED FENCE SURROUNDING THE FACILITY IS THE EXTENTS OF THE APPROVED THREE ACRE AREA. 29. THE LOCATION OF THE NEAREST PUBLIC FIRE HYDRANT IS LOCATED AT THE INTERSECTION OF MD 194 AND ALLENDALE LANE APPROXIMATELY 2500 FEET FROM THE SITE. 30. PER A PHONE CONVERSATION WITH THE CITY OF TANEYTOWN, THE TANEYTOWN GREENWAY IS SHOWN AS CURRENTLY PLANNED. 31. ON SEPTEMBER 29, 2023 THE CARROLL COUNTY BOARD OF ZONING APPEALS (CASE NO. 6469) APPROVED THE REQUEST FOR A CONDITIONAL USE FOR A CONTRACTOR'S EQUIPMENT STORAGE
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 7.96 15.92 50 65.92	HEATHER L. & BRANDON A WETZEL TAX MAP 19 GRID 19 PARCEL 62 E.O.C. S. 79 19 29 W 3.57 HW. Zons TAX MAP 19 FARNCIS SCOTT KET HW.	YARD AND MULTIPLE VARIANCES, - A VARIANCE REQUEST WAS GRANTED FROM THE 1 ACRE REQUIREMENT TO 3 ACRES - A DISTANCE VARIANCE REQUEST WAS GRANTED FROM THE 600 FOOT REQUIREMENT TO 117 FEET FROM THE PROPERTY LOCATED AT 2725 CROUSE MILL ROAD. - A DISTANCE VARIANCE REQUEST WAS GRANTED FROM THE 600 FOOT REQUIREMENT TO 449 FEET FROM THE PROPERTY LOCATED AT 2729 CROUSE MILL ROAD. - A DISTANCE VARIANCE REQUEST WAS GRANTED FROM THE 600 FOOT REQUIREMENT TO 510 FEET FROM THE PROPERTY LOCATED AT 2745 CROUSE MILL ROAD. - A DISTANCE VARIANCE REQUEST WAS GRANTED FROM THE 600 FOOT REQUIREMENT TO 180 FEET FROM THE PROPERTY LOCATED AT 2680 CROUSE MILL ROAD. IN ACCORDANCE WITH THE DECISION OF THE BOARD OF ZONING APPEALS CASE 6469, THE CONDITIONAL USE OF THE AREA AS AN EQUIPMENT STORAGE HAS BEEN APPROVED
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	2/91 FRANCIS SCOTT KEY HWY. Second Properties Prop	WITH THE FOLLOWING CONDITIONS: 1. THERE WILL BE NO LIGHTING AT THE SITE. 2. THE HOURS AT THE SITE WILL BE FROM 7 a.m. TO 6 p.m. FROM MONDAY THRU FRIDAY WITH OCCASIONAL WORK ON SATURDAYS WITH THE SAME HOURS. 3. THERE WILL BE NO MANUFACTURING CONDUCTED ON THE SITE AND IT WILL SOLELY BE USED FOR THE STORAGE OF EQUIPMENT. 32. THE COURSES AND 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. 1988) BAT AZI. 720504.74 1259612.13 544.697
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	N. 722,350 EVAPCO, INC. L.10625 F.348 (2ND TRACT) TAX MAP 19 GRID 19 PARCEL 389 24.5642 AC. EVARCEL 389 24.5642 AC.	CARROLL COUNTY INSPECTION SEQUENCE NOTES 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. Landscape Architects 192 East Main Street Westminster, MD 21157
74 3.00 12.1 30 94.24 75 9.6 19.2 50 25.04 94.24 76 3.4 6.8 50 56.8 77 6.9 13.8 50 63.8 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	LARRY CROWL L.2528 F.414 PARCEL 1 DESCRIPTION: L.705 F.193 E. O.C. UNKNOWN E. KEYSVILLE ROAD PROPOSED YARD	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. 410.386.0560 410.386.0564 (Fax) DDC @ DDCinc.us www.DDCinc.us Development Design Consultants
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 17.89 73.03 92 7.6 15.2 50 1.98 67.18	TO 00 00 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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. 3. 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. 4. FINAL LANDSCAPING INSPECTION SHALL BE ARRANGED THROUGH THE BUREAU OF RESOURCE MANAGEMENT, ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 BY THE CONTRACTOR/DEVELOPER OR AGENT. WRITTEN APPROVAL FROM THE LANDSCAPE REVIEW SPECIALIST, BUREAU OF RESOURCE MANAGEMENT MUST BE OBTAINED FOR ANY DEVIATIONS DEVELOPER: EVAPCO, INC. 5151 ALLENDALE LANE TANEYTOWN, MD 21787 (410) 876-3782 SITE ADDRESS: CROUSE MILL ROAD TANEYTOWN, MD 21787
	ARTMENT OF PUBLIC WORKS OF UTILITIES REMARKS INC. BAUGHER GRAIN FARMS INC. L807 F.824 JAX MAP 28 BRID 1 PARCEL 14	FROM THE LANDSCAPING OR FOREST CONSERVATION PLANS OR MODIFICATIONS IN THE PLANT MATERIAL. 5. THE CONTRACTOR SHALL NOT PROCEED TO THE NEXT PHASE OF CONSTRUCTION UNTIL GIVEN APPROVAL OF PRIOR PHASE. EVAPCO, INC. EQUIPMENT STORAGE YARD SITE PLAN COVER SHEFT
ENGINEER 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. BY: SOIL CONSERVA The Development Plan is approved by the Soil Conservation District.	DATE:	SYMBOL DESCRIPTION 408 EXISTING CONTOUR 2' INTERVAL 410 EXISTING CONTOUR 10' INTERVAL EXISTING OVERHEAD ELECTRIC LINE AbA SOILS LINE EXISTING TREELINE PROFESSIONAL CERTIFICATION IHEREBY 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: SYMBOL DESCRIPTION COMMISSIONER DISTRICT 1 IST ELECTION DISTRICT 1 STELECTION DISTRICT CARROLL COUNTY, MD FROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 27020 EXPIRATION DATE: SOILS LINE 5/7/2025
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 will have a certification of attendance.	ented to the fullest extent, and all sign and specifications as spelled out in ersonnel involved in construction project se at a Department of Natural Resources	EXISTING TREELINE EXISTING STREAM DATE EXISTING TREE EXISTING WETLANDS A08 — PROPOSED CONTOUR 2' INTERVAL A10 — PROPOSED CONTOUR 10' INTERVAL PROPOSED FENCE PROPOSED CONCRETE DATE O TAX ACC. #: 025473 DRN. BY: J.C.L. TAX MAP: 19 CHK. BY: P.G.C.
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 DEVELOPER DEVELOPER		PROPOSED MACADAM PAVING S.W.M. #1 \$\mathred{a}\$ PROPOSED BORING PROPOSED CRUSHED STONE PROPOSED TREELINE ZONING DIVIDES PAUL G. CAVANAUGH PROFESSIONAL ENGINEER NO. 27020 PROFESSIONAL ENGINEER NO. 27020 DWG. SCALE: AS SHOWN Notwith 10

5-24-0009



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

	LEGEND
SYMBOL	DESCRIPTION
<u> </u>	EXISTING CONTOUR 2' INTERVAL
<u>——410——</u>	EXISTING CONTOUR 10' INTERVAL
	EXISTING OVERHEAD ELECTRIC LINE
AbA	SOILS LINE
$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$	EXISTING TREELINE
	EXISTING STREAM
£3	EXISTING TREE
— м—— м—	EXISTING WETLANDS
408 ——	PROPOSED CONTOUR 2' INTERVAL
410	PROPOSED CONTOUR 10' INTERVAL
-0	PROPOSED FENCE
4	PROPOSED CONCRETE
	PROPOSED MACADAM PAVING
S.W.M. #1 🕸	PROPOSED BORING
50000	PROPOSED CRUSHED STONE
\sim	PROPOSED TREELINE
	ZONING DIVIDES

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



Surveyors

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

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

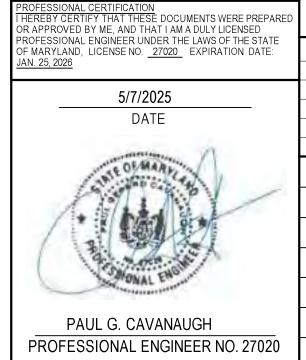
DEVELOPER: EVAPCO, INC. 5151 ALLENDALE LANE TANEYTOWN, MD 21787 (410) 876-3782

SITE ADDRESS: CROUSE MILL ROAD TANEYTOWN, MD 21787

EVAPCO, INC. EQUIPMENT STORAGE YARD SITE PLAN

COMMISSIONER DISTRICT 1
IST ELECTION DISTRICT CARROLL COUNTY, MD

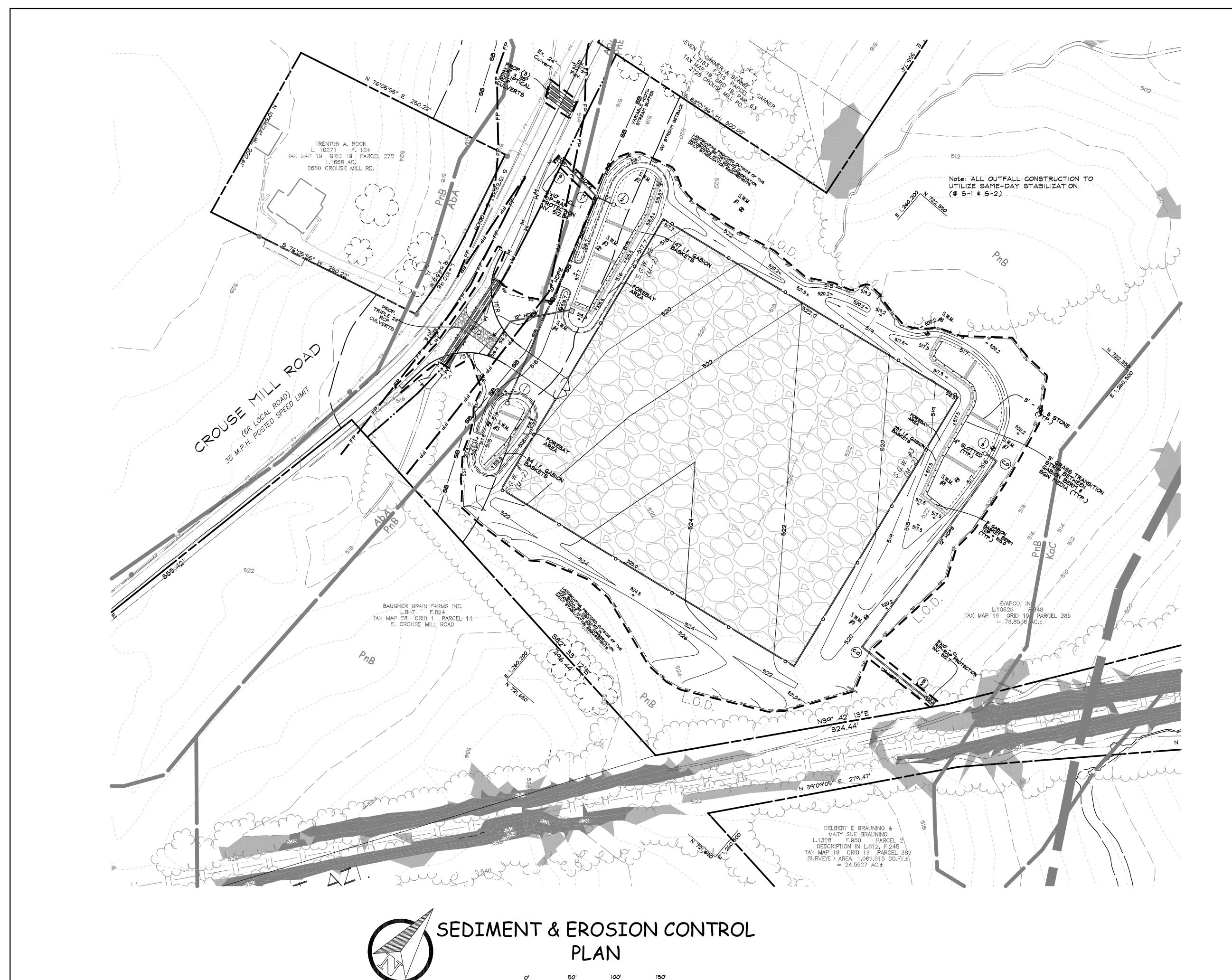
SITE PLAN



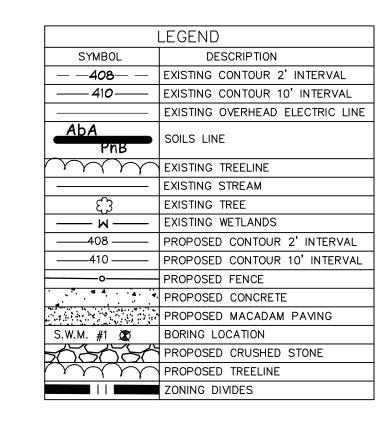
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REVISIONS DESCRIPTION OF CHANGES DRN. REV. DATE DES. BY: M.R.T. O. FILE #: **S-24-0009** DRN. BY: J.C.L. AX ACC. #: 025473 AX MAP: 19 CHK. BY: P.G.C. DATE: 5/7/25 LOCK / GRID: 19 DDC JOB#: 07006.7 ARCEL #: 389 ONE / USE: AGRICULTURE SHEET NUMBER:

DWG. SCALE: AS SHOWN



SCALE: 1" = 50'



SEDIMENT CONTROL LEGEND

----SSF---SSF----SSF----SUPER SILT FENCE

STABILIZED CONSTRUCTION ENTRANCE





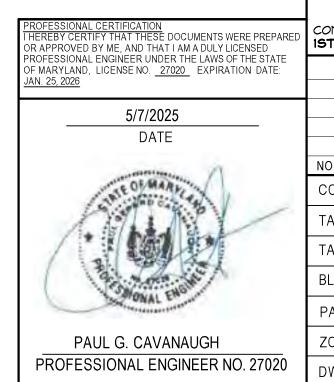
192 East Main Street Westminster, MD 21157 410.386.0560 410.386.0564 (Fax)

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 PLAN



N SE DOCUMENTS WERE PREPARED HAT I AM A DULY LICENSED		MISSIONER DISTRICT I ELECTION DISTRICT	CARRO	DLL CC	UN.
IDER THE LAWS OF THE STATE 27020 EXPIRATION DATE:		REVISIO	NS		
025					
TE					
· /1	NO.	DESCRIPTION OF CHANGE	S	DRN.	RE
MARCEN	CO.	FILE #: S-24-0009	DES. BY: I	M.R.T.	
	TAX	ACC. #: 025473	DRN. BY:	J.C.L.	
	TAX	(MAP: 19	CHK. BY:	P.G.C.	
CHOME	BLC	OCK / GRID: 19	DATE: 5/7	/25	
L. C.	PAF	RCEL #: 389	DDC JOB#	ŧ: 07006	3.7
VANAUGH	ZOI	NE / USE: AGRICULTURE	SHEET N	UMBE	R:
NGINEER NO. 27020	DW	G. SCALE: AS SHOWN		3	of

CARROLL COUNTY, MD

DRN. REV. DATE

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 basing 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 having disturbed areas over 5 acres. Soil analysis may 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. Manure 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 warrantee
- 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 98 100% will pass
- 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 construction equipment, such as disc harrows or chisel plows or rippers mounted on construction equipment. After the soil is loosened it should not be rolled or dragged smooth but left in the roughened condition. Sloped areas (greater than 3:1) should be tracked leaving the surface in an irregular condition with ridges running parallel to the counter of the slope.
- c. Incorporate lime and fertilizer into the top 3-5" of soil by disking or other suitable means ii. Permanent Seedina
- a. Minimum soil conditions required for permanent vegetative establishment:
- 1. Soil pH shall be between 6.0 and 7.0

b. Apply fertilizer and lime as prescribed on the plans.

- 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 lovegrass or serecia lespedeza is to be planted, then a sandy soil (< 30% silt plus clay)
- 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 slots to prevent topsoil from
- 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 raked 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. Steep slopes (steeper than 3:1) should be tracked by a dozer leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. The top 1 - 3" of soil should be loose and friable. Seedbed loosening may not be necessary on newly disturbed areas.

- 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 nitrogen-fixing bacteria prepared specifically for the species. Inoculants shall not be used later than the date 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 innoculant less

E. Methods of Seeding

- i. <u>Hydroseeding:</u> 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 (phosphorous): 200 lbs/ac.; K20 (potassium): 200 lbs/ac.
- 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. <u>Dry Seeding:</u> 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 directions

F. Mulch Specifications (In order of preference)

accordance with these specifications.

- i. Straw shall consist of thoroughly threshed wheat, rye or oat straw, reasonably bright in color, and shall not be musty, moldy, caked, decayed, or excessively dusty and shall be free of noxious weed seeds as specified in the Maryland Seed Law. ii. Wood Cellulose Fiber Mulch (WCFM)
- a. WCFM shall consist of specially prepared wood cellulose processed into a uniform fibrous
- b. WCFM 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. WCFM, including dye, shall contain no germination or growth inhibiting factors
- d. MCFM 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, on application, having moisture absorption and percolation properties and shall cover and hold grass seed in contact with the soil without
- e. WCFM material shall contain no elements or compounds at concentration levels that will be
- f. WCFM must conform to the following physical requirements: fiber length to approximately 10 mm., diameter approximately 1 mm., pH range of 4.0 to 8.5, ash content of 1.6% maximum and water holding capacity of 90% 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
- 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 anhoring 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
- 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 (Agro-Tack), DCA-70, Petroset, Terra Tax II, Terra Tack AR or other approved equal may be used at rates recommended by the manufacturer to
- 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
- 1. 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

	SEED MIX	PLA	NTING	SITE	USDA HARDI-								l
MIX	USE CERTIFIED MATERIAL IF AVAILABLE	LBS/AC.	LBS/ 1000 SF	CONDITIONS	NESS ZONES	3/1- 5/15	3/15 -5/15	5/16- 8/14	6/2- 7/31	8/1- 10/1	8/15- 10/15	8/15- 11/15	
		.= .		MOIST TO	5b		\supset			\supset			Г
	TALL FESCUE (75%)	150	3.4	DRY	6a					\supset			
1	CANADA BLUEGRASS (10%)				6b	\supset					$\overline{}$		1
•	KENTUCKY BLUEGRASS (10%)				7a	\triangleright						$\overline{}$	ĺ
	REDTOP (5%)				7b	\bowtie						\Longrightarrow	l
	KENTUCKY BLUEGRASS (50%)	150	3.4	MOIST TO	5b							\sim	Т
2	KENTUCKY BLUEGRASS (50%) CREEPING RED FESCUE OR A	130	J.7	MODERATELY			\Longrightarrow			\Leftrightarrow			E
	HARD FESCUE (40%) REDTOP (10%)			DRY TO	6b								•
	RED TOP (10%)			DKI	5b						\sim		\vdash
	TALL FESCUE (85%)	125	2.9	MOIST TO			\bowtie			\Leftrightarrow			l
3	PERENNIAL RYEGRASS (10%	15	.34	DRY	6a								6
J	KENTUCKY BLUEGRASS (5%)	10	.23		6b	\Longrightarrow					\sim		
					7a	\bowtie						$\stackrel{\sim}{\longleftrightarrow}$	
		1.0			7b							\sim	\vdash
	RED FESCUE OR	60	.92	MOIST TO DRY	5b		$\langle \rangle$			\sim			_ ا
4	CHEWING FESCUE (80%)	60	.92		6a		\geq			\geq			ַ
	PERENNIAL RYEGRASS (20%)	15	.34		6b	\bowtie	L				\times		L
	TALL FESCUE (85%) OR	110	2.5	MOICT TO	5b		\geq			\geq			l
	TALL FESCUE (85%) OR, PERENNIAL RYEGRASS (50%)	20	.46	MOIST TO	6a		\geq			\geq			l
اع ^ح	PLUS CROWNVETCH OR	20	.46		6b	\geq					\times		E
	FLATPEA	20	.46		7a	\geq						\geq	l
					7b	\geq						\geq	
1.	HEEDING LOVECBAGE (17%)	1	.09	DRY TO	5b	\geq		\geq					l
6	WEEPING LOVEGRASS (17%) SERECIA LESPEDEZA (83%)	20	.46	VERY DRY	7a	\supset		> <					F
	SERECIA ELSI EDEZA (85%)	20	.40		7b	\geq		\geq					
	TALL 550015 (00%)		0 =	DRY TO	5b		$\supset \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$		\times	$\supset \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$			
	TALL FESCUE (83%)	110	2.5	VERY DRY	6a		\supset		\times	\supset			
7	WEEPING LOVEGRASS (2%)	20	1		6b	\supset		\times			\times		٥
	SERECIA LESPEDEZA(15%)	20	.46		7a			\supset				\times	
					7b	\supset		\supset				\supset	
					5b		\supset			\sim		$\overline{}$	Γ
	REEDY CANARYGRASS (75%)	40	.92	WET TO	6a								l
8	REDTOP (6%) PLUS	3	.07	MODERATELY	6b	\supset					$\overline{}$		+
•	BIRDSFOOT TREEFOIL (19%)	10	.23	DRY	7a	\triangleright							ľ
					7b	\Longrightarrow							l
	TALL FEGULE (90%)	125	2.9	WET TO	5b			†					Γ
a	TALL FESCUE (86%) POA TRIVIALIZE (7%)	10	.23	MODERATELY			\Longrightarrow			\Longrightarrow			۱,
7	BIRDSFOOT TREEFOIL (7%)	10	.23	DRY	6b			-		\vdash			
	DINDOLOGI INCLIGIC (76)	'0	.25		5b						\leftarrow		Н
					6a		\Longrightarrow			\Leftrightarrow			l
10	TALL FESCUE (80%)	120	3.4	WET TO									l
10	HARD FESCUE (20%)	30	.69	DRY	6b	\Longrightarrow							`
	, ,				7a	$\stackrel{\sim}{\longrightarrow}$	-					\iff	l
					7b		k -					\sim	\vdash
					5b		\bowtie			\bowtie			l
11	HARD FESCUE (100%)	.75	3.4	MOIST TO	6a	L	\bowtie			\sim			k
				DRY	6b	\bowtie					\geq		
			1		7a	\sim	l		l	l		\sim	ı

- A/ USED BY SHA ON SLOPED AREAS. ADD A LEGUME FOR SLOPES > THAN 3:1

 B/ USED IN MEDIAN AREAS BY SHA. SHADE TOLERANT

 C/ POPULAR MIX PRODUCES PERMANENT GROUNDCOVER QUICKLY. BLUEGRASS QUICKENS STAND.

 D/ BEST USE ON SHADY SLOPES NOT ON PORRLY DRAINED CLAYS.

 E/ USE ON LOW MAINTENANCE, STEEP SLOPES. USE TALL FESCUE IN DRAUGHTY CONDITIONS. CROWN VETCH BEST FOR 5b, 6a, 6b.

 F/ SUITABLE FOR SEEDING IN MIDSUMMER.

 G/ WEEPING LOVEGRASS MAY BE SEEDED WITH TALL FESCUE IN MID-SUMMER. SERECIA LESPEDEZA IS BEST SUITED FOR ZONES 7a \$ 7b G/ WEEPING LOVEGRASS MAY BE SEEDED WITH TALL FESCUE IN MID-SUMMER. SERECIA LESFEDZA IS BEST SUITED FOR ZONES 70 \$ 76.
 H/ USE ON POORLY DRAINED SOILS - DITCHES OR WATERWAYS. BIRDSFOOT TREEFOIL IS BEST FOR ZONES 50, 60 ABOVE 2,000 FT.
 I/ USE IN AREAS OF MOIST SHADE. POA TRIVIALIS THRIVES IN WET SHADY AREAS.
 J/ TALL FESCUE MAY BE SEEDED ALONE. THE HARD FESCUE PROVIDES BETTER SHADE TOLERANCE AND PRODUCES A BETTER STAND.
 K/ LOW FERTILITY GRASS. REQUIRES INFREQUENT MOWING. GOOD COMPANION FOR WILDFLOWERS.

TABLE 26 TEMPORARY SEEDING RATES, DEPTHS, AND DATES

	MINIMUM S		PLANTING									
SPECIES	RATE	S	DEPTH	7	a and 7	7b	6b			6a and 5b		
3/ 20/23	PER ACRE	LBS/1000 SQ.FT.	INCHES	2/1- 4/30	5/1- 8/14	8/15- 11/30	3/1- 4/30	, ,	8/15- 11/15	I ' .	6/1- 7/31	8/1- 10/31
CHOOSE ONE:						BY			BY			BY
BARLEY	122 lbs	2.80	1-2	X	–	10/15	X	_	10/15	X	_	10/1
OATS	96 lbs	2.21	1-2	X	–	_	Χ	_	-	X	_	I
RYE	140 lbs	3.22	1-2	X	_	Х	Χ	_	X	X	_	X
BARLEY OR	150 lbs	3.45	1	X	X	10/15	Х	Х	10/15	X	X	10/1
RYE PLUS				X	X	χ	Х	Х	Ιχ	X	X	l x l
FOXTAIL MILLET												
WEEPING LOVEGRASS	4 lbs	.09	1/4-1/2	_	X	_	-	Х	_	_	Х	_
ANNUAL RYEGRASS	50 lbs	1.15	1/4-1/2	Х	_	11/1	Х	_	11/1	Х	-	8/15
MILLET	50 lbs	1.15	1/2	_	Х	_	-	Χ	_	_	Х	_

Note: Select one or more of the species or mixtures listed on Table 26 for the appropriate plant

Note: Select one or more of the species or mixtures listed in Table 25 and enter in the Permanant Seeding Summary Below, along with application rates and dates. For special lawn maintenance areas, see Sections IV, Sod and V, Turfgrass.

1	ED MIXTURE OM TABLE 20	(HARDINESS ZON 6	NE)		FERTILIZER RATE	LIME RATE		
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS				
1								
2								

21.0 STANDARDS & SPECIFICATIONS FOR TOPSOIL

Definition - Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation

Purpose - To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil aradation. such condition that future mowing of grasses will pose no difficulty.

I. This practice is limited to areas having 2:1 or flatter slopes where:

- a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
- b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
- c. The original soil to be vegetated contains material toxic to plant growth. d. The soil is so acidic that treatment with limestone is not feasible.
- II. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown

Construction and Material Specifications

on the plans

Conditions Where Practice Applies

I. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural

- II. Topsoil Specifications Soil to be used as topsoil must meet the following:
- i. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2" in diameter.
- ii. Topsoil must be free of plants or plant parts such as bermuda grass quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
- iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per ,000 square fed) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- III. For sites having disturbed areas over 5 acres:
- i. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the followina:
- a. pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
- b. Organic content of topsoil shall be not less than 1.5 percent by weight
- c. Topsoil having soluble salt content greater than 500 parts per million shall
- d. No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials.

Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

- Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization Section I Vegetative Stabilization Methods and Materials.
- V. Topsoil Application
- i. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and
- ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4"-8" higher in elevation.
- iii. Topsoil shall be uniformly distributed in a 4" 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
- iv. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.
- VI. Alternative for Permanent Seeding Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below: Composted Sludge Material for use as a soil conditioner for sites having
 - disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following
 - a. Composted sludge: shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.
 - b. Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a Ph of 7.0 to 8.0. I compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use:
 - c. Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
- ii. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.

References: Guideline Specifications, Soil Preparation and Sodding. MD-V A, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic

SECTION IV - SOD

- To provide quick cover on disturbed areas (2:1 grade or flatter).
- A. General Specifications
- i. Class of turfgrass sod shall be Maryland or Virginia State Certified or Approved. Sod labels shall be
- ii. Sod shall be machine cut at a uniform soil thickness of 3/4", plus or minus 1/4", at the time of cutting. Measurement for thickness shall exclude top growth and thatch. Individual pieces of sod shall be cut to the suppliers width and length. Maximum allowable deviation from standard widths and lengths shall be 5 percent. Broken pads and torn or uneven ends will not be acceptable. iii. Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
- iv. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may
- v. Sod shall be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period shall be approved by an agronomist or soil scientist prior to its installation.
- i. During periods of excessively high temperature or in areas having dry subsoil, the subsoil shall be lightly irrigated immediately prior to laying the sod. ii. The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Lateral joints shall be staggered to promote more uniform growth and strength. Ensure that sod is not stretched or overlapped and that all joints are butted tight in order to prevent voids which would cause air drying of the roots.
- iii. Wherever possible, sod shall be laid with the long edges parallel to the contour and with staggering joints. Sod shall be rolled and tamped, pegged or otherwise secured to prevent slippage on slopes and to ensure solid contact between sod roots and the underlying soil surface. iv. Sod shall be watered immediately following rolling or tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. The operations laying, tamping and irrigating for any piece of sod shall be completed within eight hours.
- i. In the absence of adequate rainfall, watering shall be performed daily or as often as necessary during the first week and in sufficient quantities to maintain moist soil to a depth of 4". Watering should be done during the heat of the day to prevent wilting.
- ii. After the first week, sod watering is required as necessary to maintain adequate moisture content. iii. The first mowing of sod should not be attempted until the sod is firmly rooted. No more than 1/3 of the grass leaf shall be removed by the initial cutting or subsequent cuttings. Grass height shall be maintained between 2" and 3" unless otherwise specified.

SECTION V - TURFGRASS ESTABLISHMENT

Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium high level of maintenance. Areas to receive seed shall be tilled by disking or other approved methods to a depth of 2 to 4 inches, leveled and raked to prepare a proper seedbed. Stones and debris over 1 1/2 inches in diameter shall be removed. The resulting seedbed should be in

Note: Choose certified material. Certified material is the best guarantee of cultivar purity. The certification program of the Maryland Department of Agriculture, Turf and Seed Section, provides a reliable means of consumer protection and assures a pure genetic line.

- A. Turfgrass Mixtures i. Kentucky Bluegrass – Full sun mixture – For use in areas that receive intensive management. Irrigation required in the areas of central Maryland and eastern shore. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds/1000 square feet. A minimum of three bluegrass cultivars should be chosen ranging from a minimum of 10% to a maximum of 35%
- mixture by weight. ii. Kentucky Bluegrass/Perennial Rye - Full sun mixture - For use in full sun areas where rapid establishment is necessary and when turf will receive medium to intensive management. Certified Perennial Ryegrass Cultivars/Certified Kentucky Bluegrass Seeding rate: 2 pounds mixture/1000 square feet. A minimum of 3 Kentucky Bluegrass Cultivars must be chosen, with each cultivar ranging from 10% to 35% of the mixture by weight.
- iii. Tall Fescue/Kentucky Bluegrass Full sun mixture For use in drought prone areas and/or for areas receiving low to medium management in full sun to medium shade. Recommended mixture includes; certified Tall Fescue Cultivars 95 100%, certified Kentucky Bluegrass Cultivars 0 5%. Seeding rate: 5 to 8 lb/1000 sf. One or more cultivars may be blended.
- iv. Kentucky Bluegrass/Fine Fescue Shade Mixture For use in areas with shade in Bluegrass Identify Divegrass in a legal of the property Divegrass of the mixture of the property Divegrass includes; certified lawns. For establishment in high quality, intensively managed turf area. Mixture includes; certified Kentucky Bluegrass Cultivars Cultivars and 60-70%. Seeding rate: 1 1/2 - 3 lbs/1000 square feet. A minimum of 3 Kentucky Bluegrass cultivars must be chosen, with each cultivar ranging from a minimum of 10% to a maximum of 35% of the mixture by weight. Note: Turfgrass varieties should be selected from those listed in the most current University of Maryland Publication, Agronomy Mimeo #77, "Turfgrass Cultivar Recommendations for Maryland".
- B. Ideal times of seeding

D. Repairs and Maintenance

- Western MD: March 15 June 1, August 1 October 1 (Hardiness Zones 5b, 6a)
 Central MD: March 1 May 15, August 15 October 15 (Hardiness Zone 6b)
 Southern MD, Eastern Shore: March 1 May 15, August 15 October 15 (Hardiness Zones 7a, C. Irrigation
- If soil moisture is deficient, supply new seedlings with adequate water for plant growth (1/2"-1" every 3 to 4 days depending on soil texture) until they are firmly established. This is especially true when seedlings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites.
- Inspect all seeded areas for failures and make necessary repairs, replacements, and reseedings within
- i. Once the vegetation is established, the site shall have 95% groundcover to be considered adequately stabilized.
- ii. If the stand provides less than 40% ground coverage, reestablish following original lime, fertilizer seedbed preparation and seeding recommendations. iii. If the stand provides between 40% and 94% ground coverage, overseeding and fertilizing using half of the rates originally applied may be necessary
- iv. Maintenance fertilizer rates for permanent seedings are shown in Table 24. For lawns and other medium high maintenance turfgrass areas, refer to the University of Maryland publication "Lawn Care in Maryland" Bulletin No. 171.



Engineers Landscape Architects 192 East Main Street Westminster, MD 21157 410.386.0560

Surveyors

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

SITE ADDRESS:

CROUSE MILL ROAD TANEYTOWN, MD 21787

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

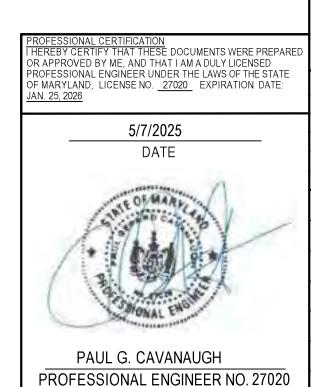
410.386.0564 (Fax)

DDC @ DDCinc.us

www.DDCinc.us

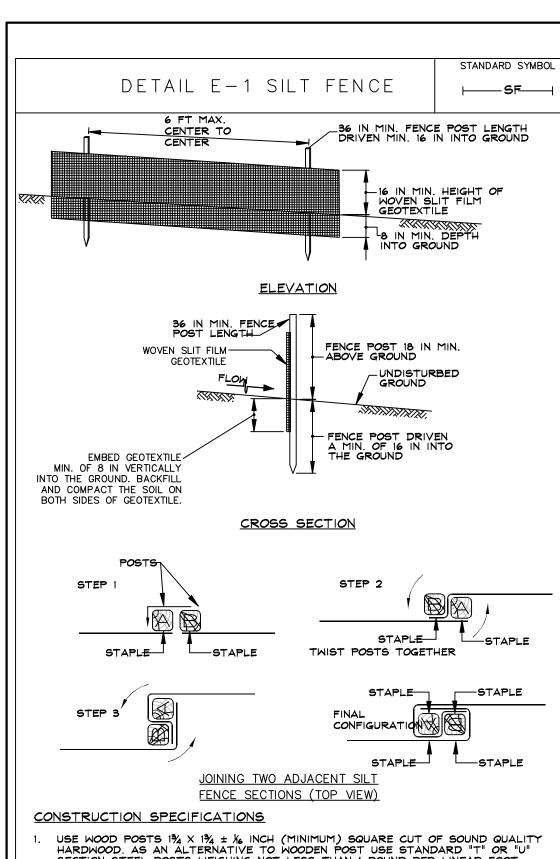
EVAPCO, INC. EQUIPMENT STORAGE YARD SITE PLAN SEDIMENT & EROSION

CONTROL NOTES



COMMISSIONER DISTRICT 1 CARROLL COUNTY, MD IST ELECTION DISTRICT 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 DDC JOB#: 07006.7 PARCEL #: 389 ZONE / USE: AGRICULTURE SHEET NUMBER: 4 of 12 DWG. SCALE: **AS SHOW**N

5-24-0009

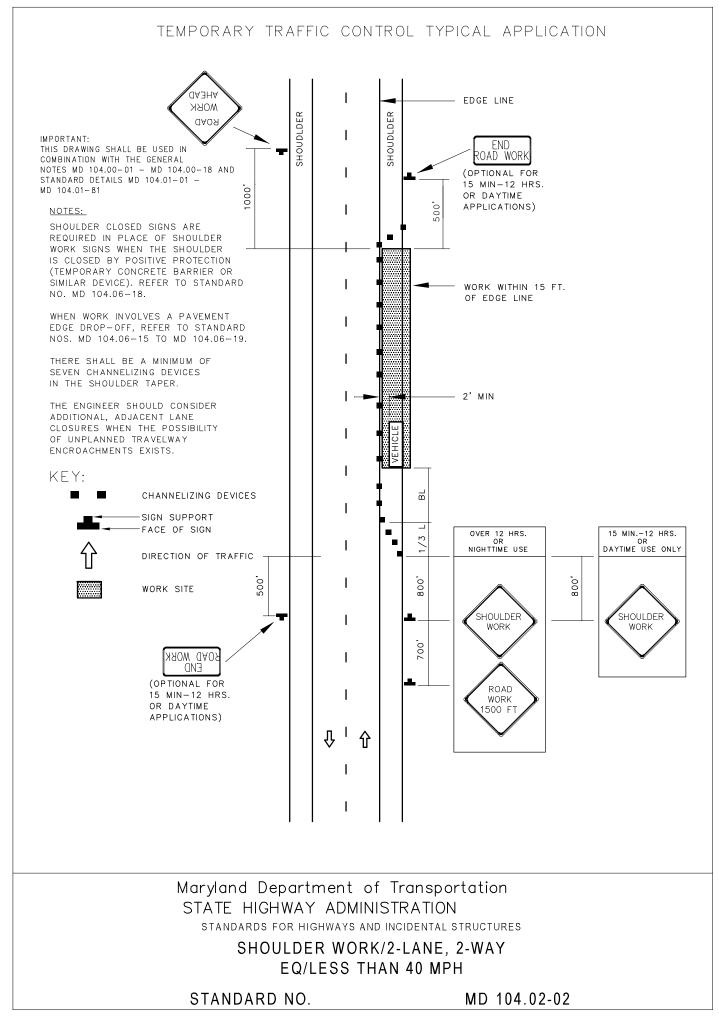


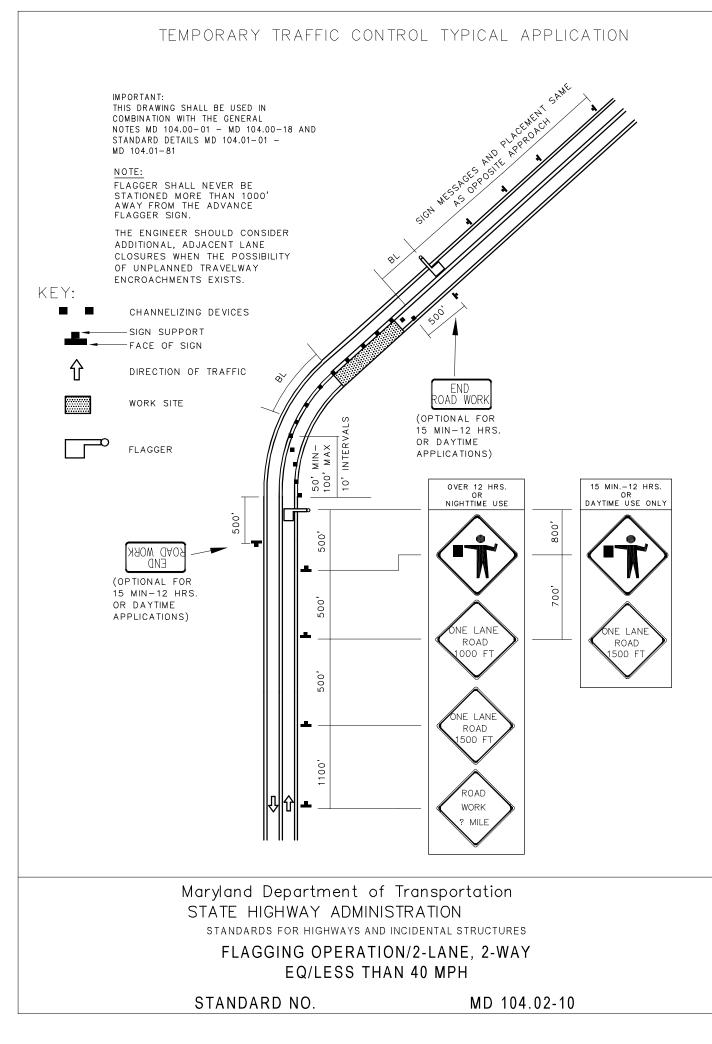
USE WOOD POSTS 1 $\frac{1}{4}$ X 1 $\frac{1}{4}$ 1 1NCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN I POUND PER LINEAR FOOT.

- USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
- 3. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
- PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
- 6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
- EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET
- 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL NATURAL RESOURCES CONSERVATION SERVICE ENVIRONMENT WATER MANAGEMENT ADMINISTRATION MAINTENANCE OF TRAFFIC SPECIAL PROVISIONS

- 1. 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 PERMITTEE.
- 2. 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 PROPERTY APPLICATION OF THE APPROVED TRAFFIC CONTROL PLAN (TCP) WILL PROVIDE THE DESIRED LEVEL OF SAFETY.
- 3. THROUGHOUT THESE SPECIAL PROVISIONS, ANY MENTION OF THE TCP SHALL BE IMPLIED TO INCLUDE ANY COMBINATION OF TYPICAL TRAFFIC CONTROL STANDARDS WHICH FORM THE OVERALL TCP FOR THIS PROJECT WHICH HAS BEEN APPROVED BY THE APPROPRIATE SHA TRAFFIC ENGINEER.
- 4. THE CONTRACTOR AND/OR PERMITTEE 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
- 5. THE CONTRACTOR AND/OR PERMITTEE 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 PERMITTEE SHALL HAVE WRITTEN APPROVAL OF THE ENGINEER PRIOR TO THE IMPLEMENTATION OF ANY CHANGE 6. 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. 7. 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
- 8. THE CONTRACTOR AND/OR PERMITTEE 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. 9. 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. 10. 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. 11. 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 PERMITTEE 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 TCP DEVELOPED BY THE CONTRACTOR AND/OR PERMITTEE 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. 12. THROUGHOUT THESE SPECIAL PROVISIONS, WHERE SPEED OF TRAFFIC IS NOTED, THIS MEANS THE POSTED SPEED OR PREVAILING TRAVEL SPEED, WHICHEVER IS HIGHER, UNLESS
- 13. 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 PERMITTEE SHALL BE PERFORMED WITH THE FLOW OF TRAFFIC.





CARROLL COUNTY SEDIMENT CONTROL GENERAL NOTES

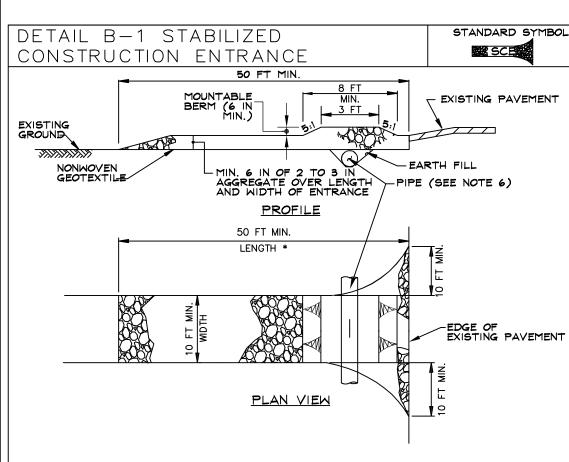
- ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION ASSOCIATION WITH THE NATURAL RESOURCES CONSERVATION SERVICE AND THE STATE SOIL CONSERVATION COMMITTEE (REFERENCED AS THE 94 STANDARDS AND SPECS.). AREAS THAT HAVE BEEN CLEARED AND/OR GRADED, BUT WILL NOT BE CONSTRUCTED 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
- FOR SPECIFICATIONS ON THE STABILIZATION OF CUT AND FILL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL, SEE G-20, SECTION 1, 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 94 STANDARDS AND SPECS.
- THE MINIMUM SPECIFICATIONS AS SHOWN IN THE 94 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

DISTRICT BY THE SEDIMENT CONTROL INSPECTOR.

WITHIN ONE (1) FOOT OF THE SWM FACILITY BOTTOMS.

- 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 CONSERVATION AND CHAPTER 218 OF WATER RESOURCES MUST BE INSTALLED PRIOR TO THE PRE-CONSTRUCTION MEETING WITH THE SEDIMENT CONTROL INSPECTOR.
- 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL PERIMETER SILT FENCE/SUPER-SILT FENCE SO THAT UNFILTERED WATER DOES
- 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 \$
- PROVIDE FULL STONE SECTION WITHIN LIMITS OF STORAGE YARD. PROVIDE BASE PAVING FOR ENTRANCE. PROVIDE VEGETATIVE STABILIZATION ON UNPAVED AREAS.
- 8. 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.
- 10. 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
- 11. REMOVE INLET PROTECTION MEASURES FROM INLETS AND REMOVE ANY SEDIMENT.



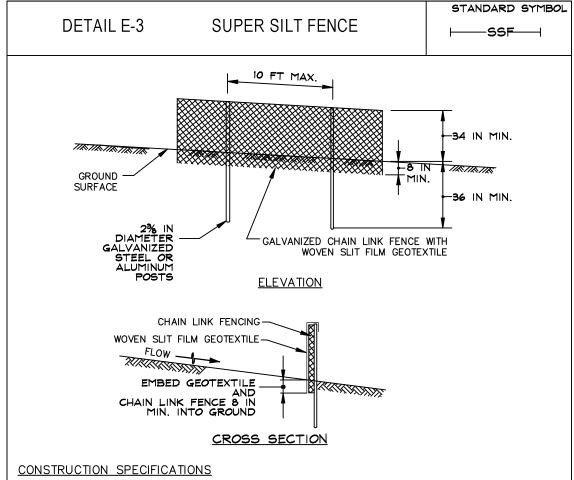
CONSTRUCTION SPECIFICATIONS

- PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE O CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT
- 5. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS. . PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT

REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.

MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

	IFICATIONS FOR SOIL	EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION





FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2% INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.

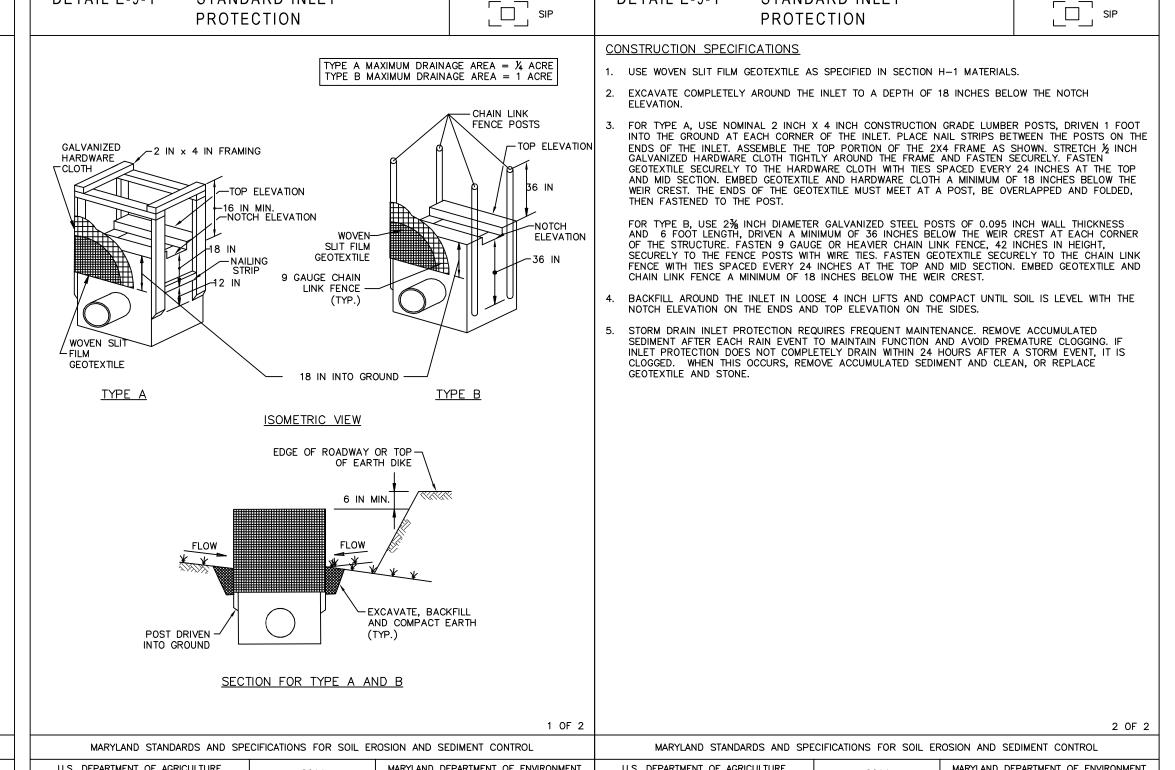
OF THE SUPER SILT FENCE.

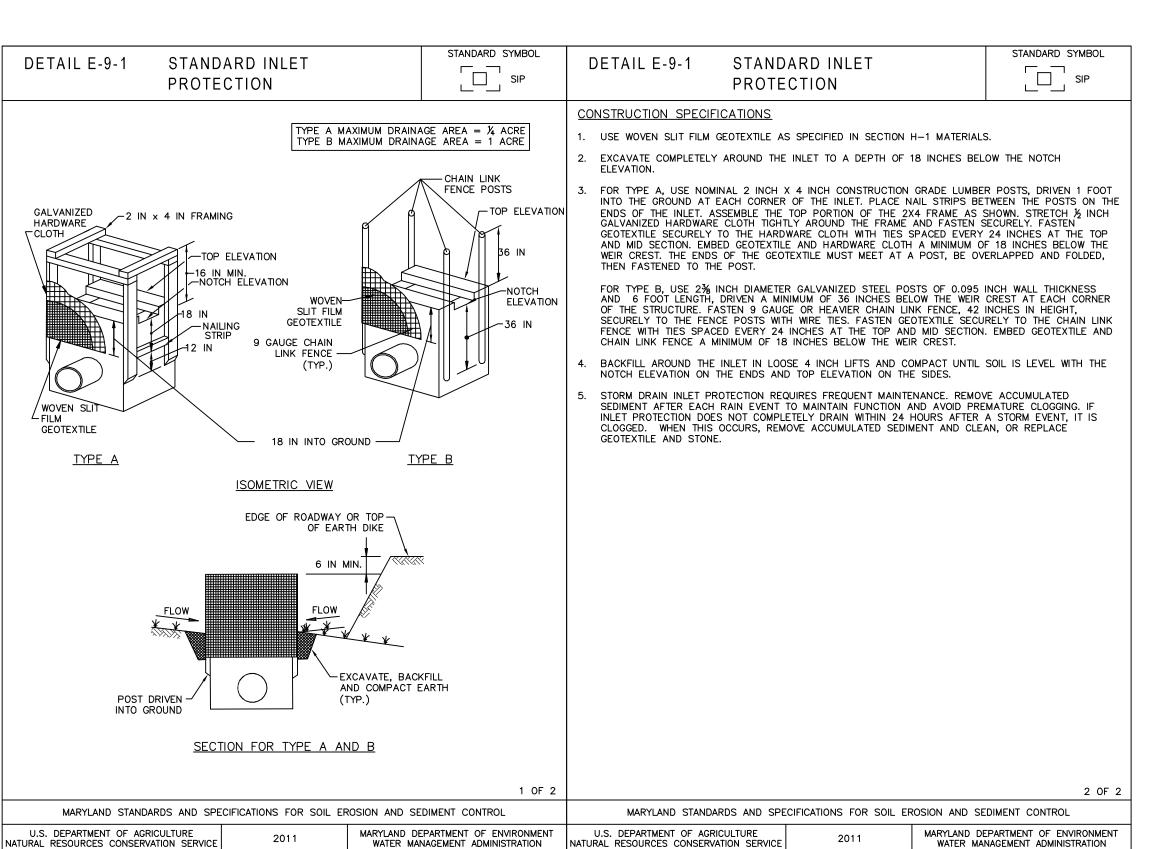
- FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS. SECURELY TO THE
- SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES,

UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID

- FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS
- PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MARYLAND DEPARTMENT OF U.S. DEPARTMENT OF AGRICULTURE FNVIRONMENT NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION







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

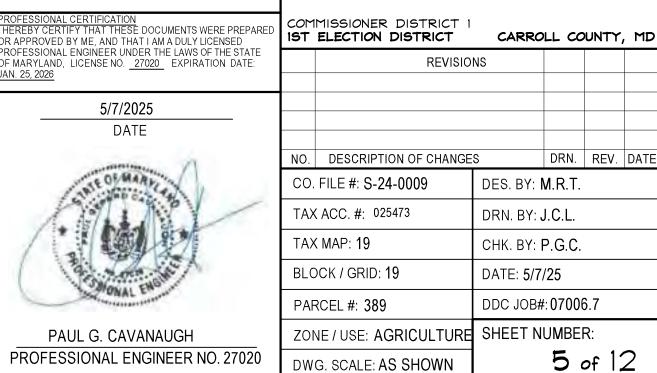
OWNER: EVAPCO, INC 5151 ALLENDALE LANE TANEYTOWN, MD 21787 (410) 876-3782

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

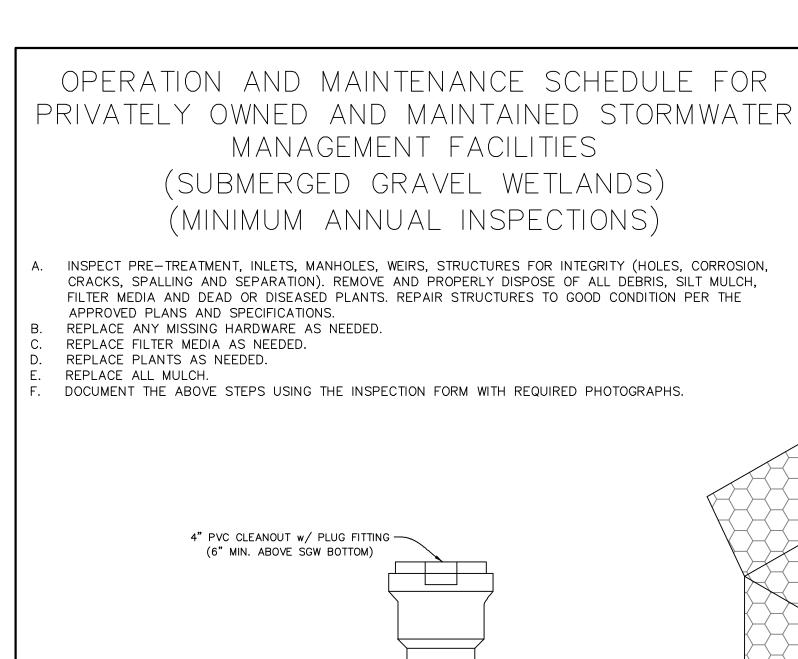
Surveyors

SITE ADDRESS: CROUSE MILL ROAD TANEYTOWN, MD 21787

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



5-24-0009



PROVIDE 4" PVC SCHEDULE 40

"PVC CAP-

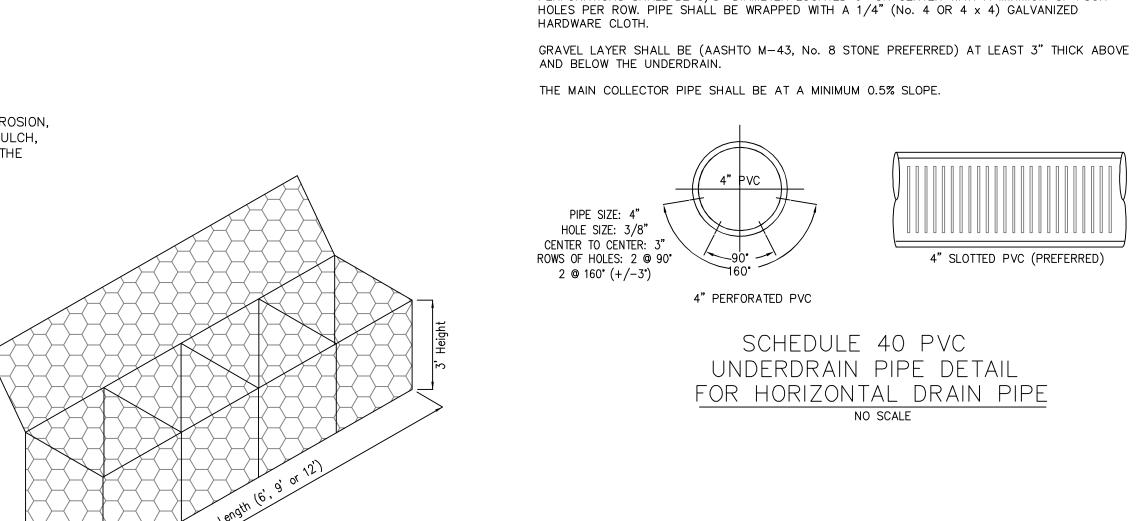
4" SLOTTED PVC DRAIN PIPE ~ (PIPE SHALL BE WRAPPED WITH A 1/4" (No. 4 OR 4 x 4) GALVANIZED HARDWARE

4"x4" PVC TEE

TYPICAL CLEAN-OUT

WITHIN SGW ONLY

NO SCALE



─No. 4 BARS 12"o.c. (EACH WAY)

12" o.c. (EACH WAY)

GABION BASKET DETAIL

L1" CLEAR

4'-0"

REINFORCEMENT DETAIL

NO SCALE

NO SCALE

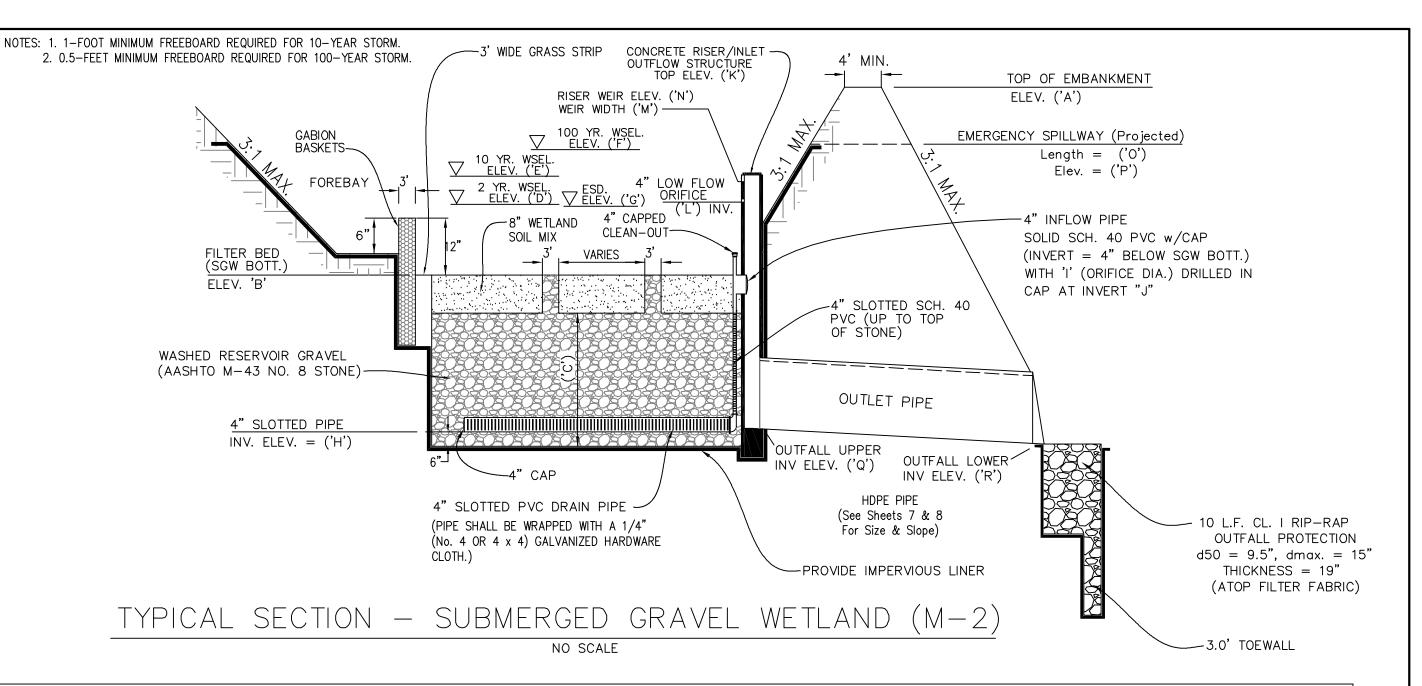
THE MAIN COLLECTOR PIPE SHALL BE AT A MINIMUM 0.5% SLOPE. 4" SLOTTED PVC (PREFERRED)

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

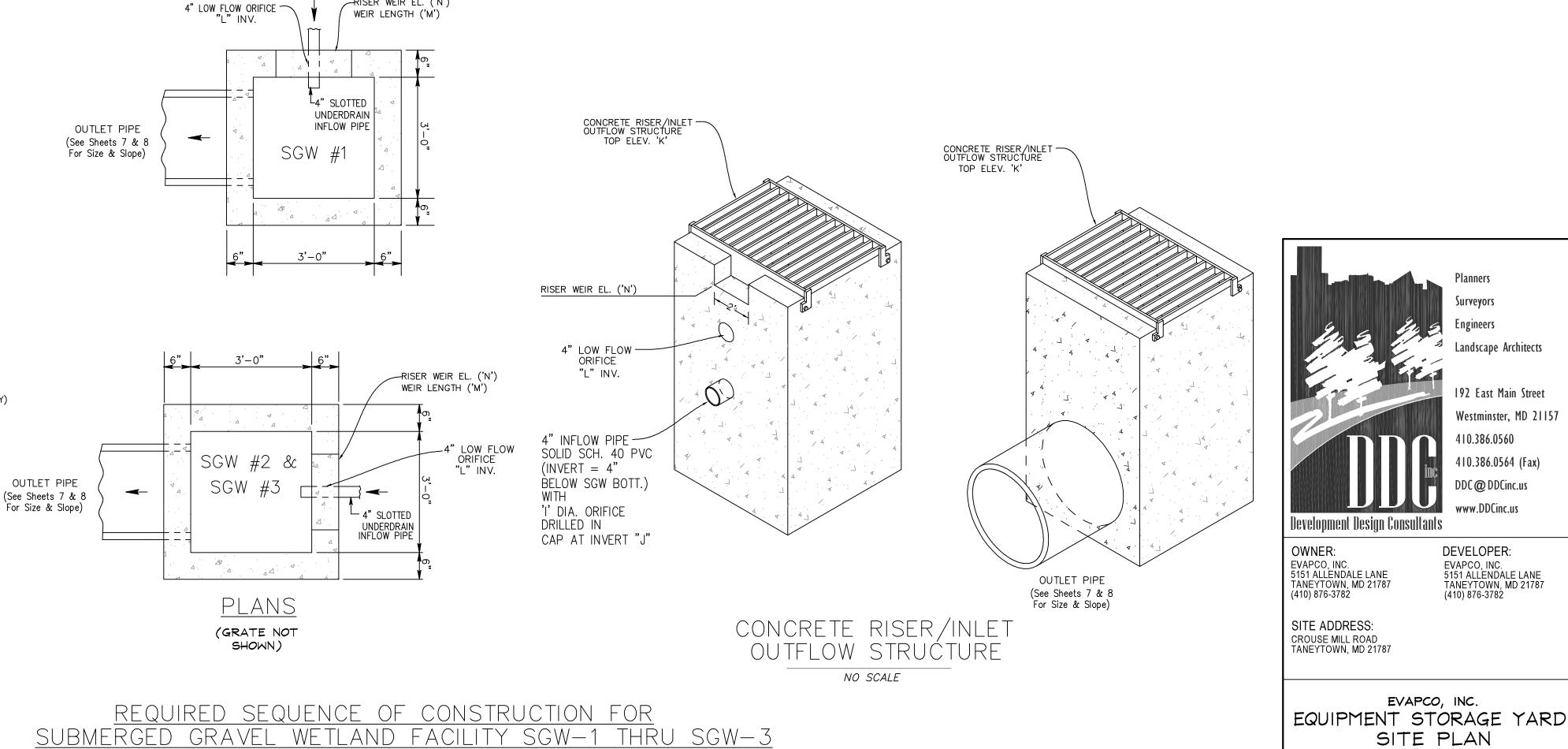
PERFORATIONS SHALL BE 3/8" DIAMETER LOCATED 6" ON CENTER WITH A MINIMUM OF FOUR

MATERIAL IS SLOTTED 4" RIGID PIPE (e.g., PVC OR HDPE).

SCHEDULE 40 PVC UNDERDRAIN PIPE DETAIL FOR HORIZONTAL DRAIN PIPE NO SCALE



					SUBM	ERGED	GRAVE	L WET	LAND	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	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



Carroll County Supplemental Materials Specifications for Submerged Gravel Wetlands (SGWs)

-4" INFLOW PIPE TO INLET/RISER STRUCTURE

OF STONE)

SOLID SCH. 40 PVC

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- bioretention)	N/A	1" Straw mulch over seed bed (SGW bottom)
Geotextile	Class "C" — Apparent opening size (ASTM—D—4751) Tensile Strength (ASTM—D—4632), Puncture Resistar (ASTM—D—4833)		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

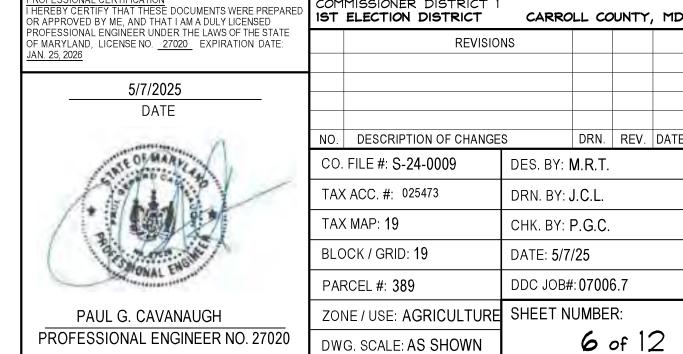
- 1. PRE-CONSTRUCTION MEETING WITH CARROLL COUNTY AND SEC 2. NOTIFY CERTIFYING ENGINEER WITH DDC AT 410-461-2855, PRIOR TO
- BEGINNING WORK ON SUBMERGED GRAVEL WETLAND FACILITIES. 3. INSTALL SITE SEDIMENT CONTROLS. THE CONTRACTOR SHALL CONTACT THE CERTIFYING ENGINEER, WITH DDC AT 410-461-2855 PRIOR TO EACH OF THE

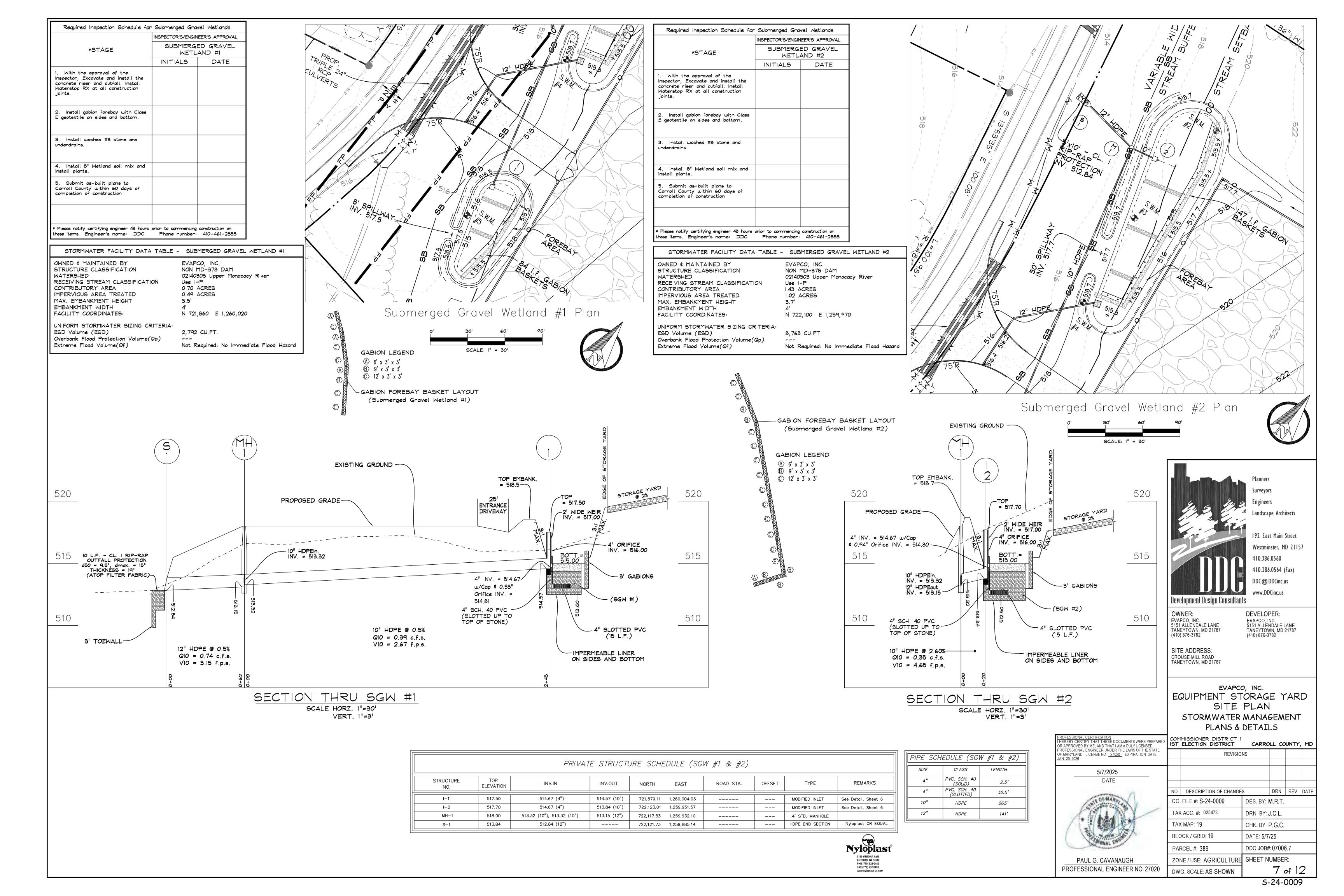
-RISER WEIR EL. ('N')

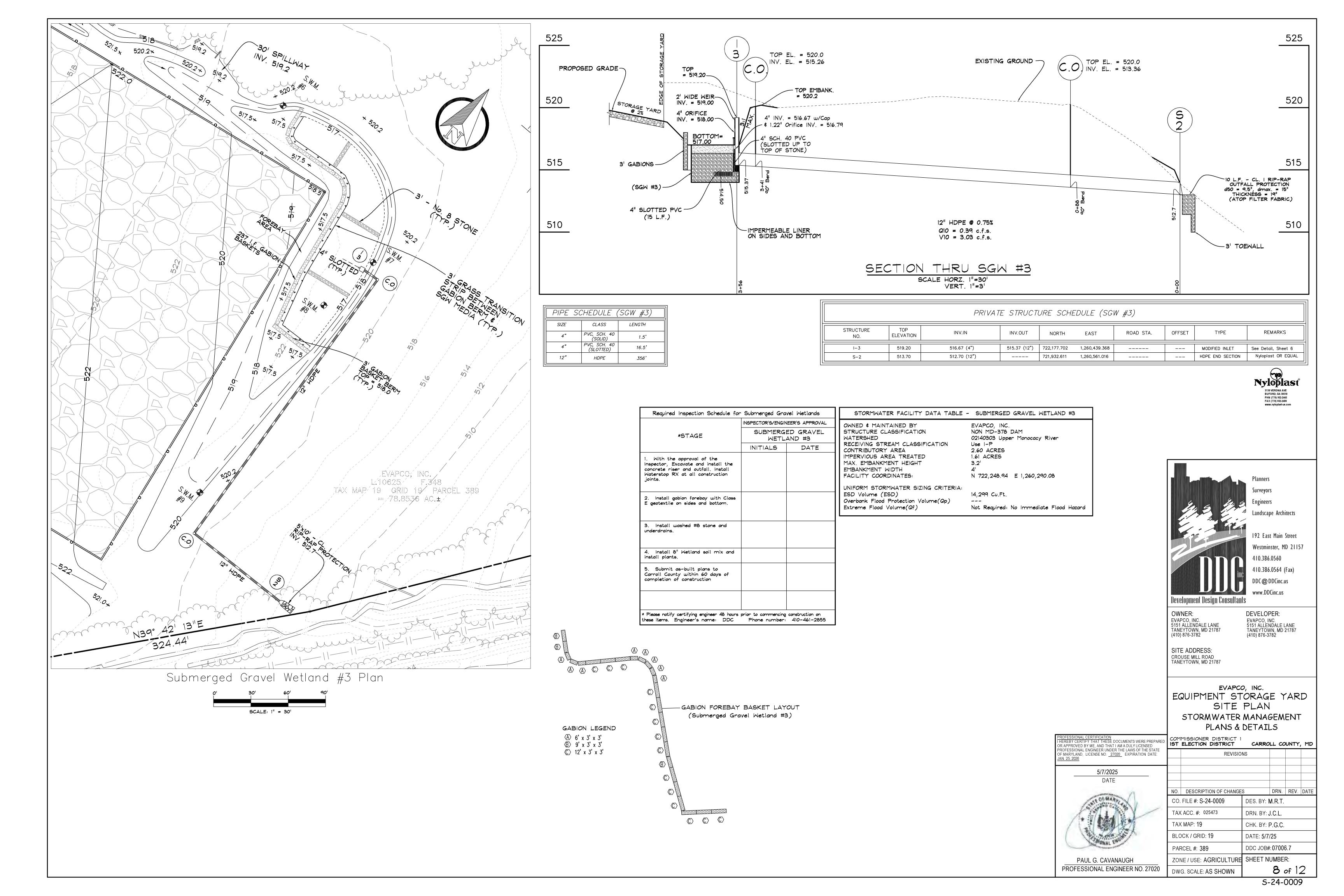
- STAGES LISTED ON THE INSPECTION SCHEDULE. (2 MONTHS) 4. GRADE SUBMERGED GRAVEL WETLANDS AREA AS NEEDED. INSTALL CONCRETE
- RISER, PROVIDE WATERSTOP RX AT ALL JOINTS. (3 DAYS) 5. ONCE THE SITE IS CONSTRUCTED, THE REMAINING AREAS SUPPORT A 2"
- STAND OF GRASS, AND PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, THEN BEGIN CONVERSION TO A SGW. (1 DAY)
- 6. 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)
- 7. INSTALL REQUIRED LAYER OF WASHED #8 STONE AND UNDERDRAINS (1 WEEK) 8. INSTALL 8" PLANTING MEDIA LAYER, AND STABILIZE ANY DISTURBED AREAS. (2
- 9. 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.

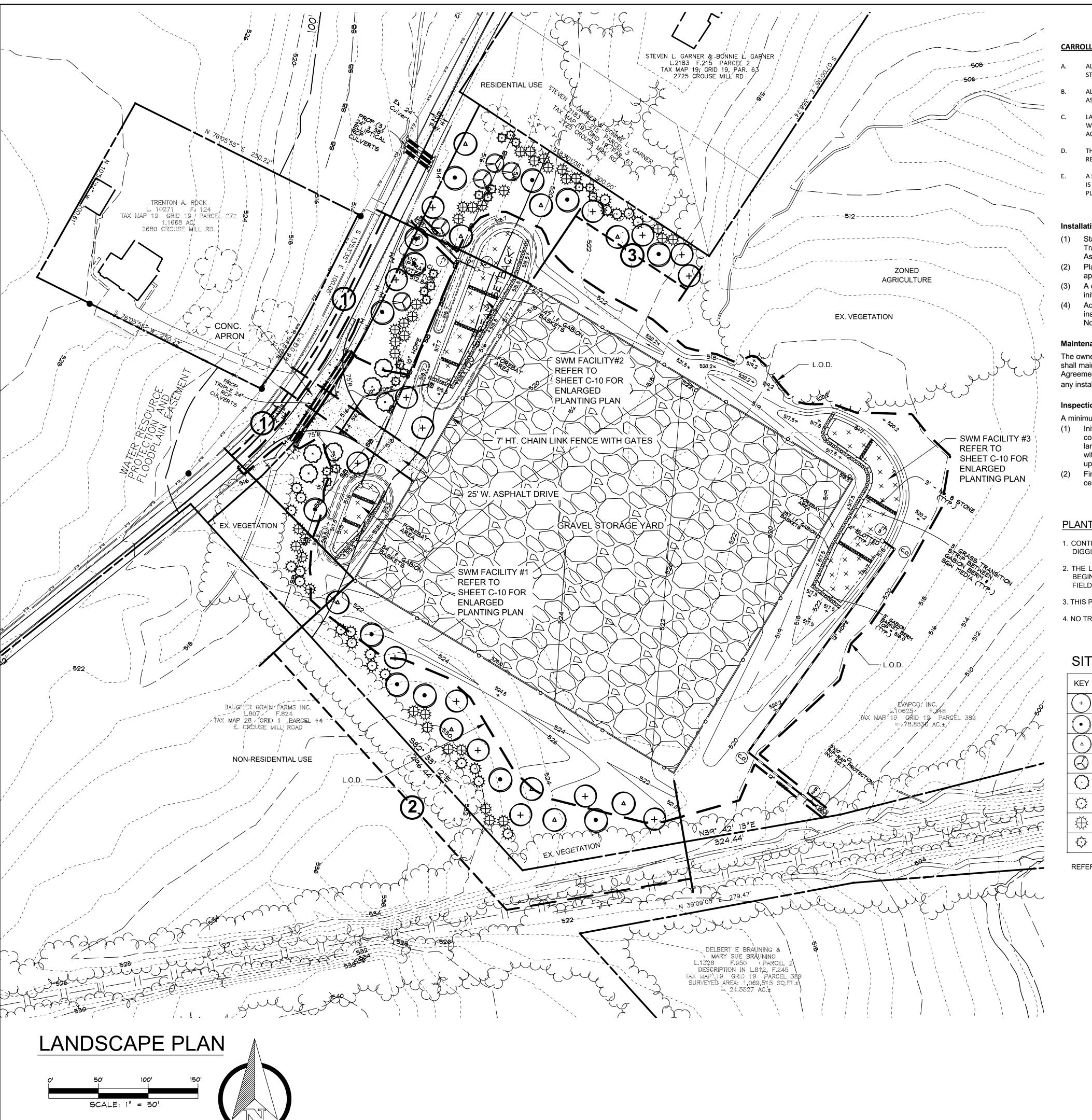
* CONTACT CERTIFYING ENGINEER WITH DDC AT 410-461-2855 PRIOR TO COMMENCING WORK IN THIS PHASE.

STORMWATER MANAGEMENT NOTES & DETAILS 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: COMMISSIONER DISTRICT 1
1ST ELECTION DISTRICT CARROLL COUNTY, MD REVISIONS









CARROLL COUNTY LANDSCAPE SPECIFICATIONS:

- ALL PLANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE LATEST EDITION OF HORTUS THIRD, BY "THE STAFF OF THE HORTORIUM".
- 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.
- 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.
- THREE (3) INCHES TOPSOIL ON ALL DISTURBED AREAS TO BE LANDSCAPED, SEEDED OR SODDED IS
- 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

- 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.
- 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.
- A completed and sealed certification by a landscape architect shall be provided at the initial inspection. The completion form with photographs is required.
- 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.

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 ½" CAL	B&B	FULL SPECIMEN
•	13	NYSSA SYLVATICA 'WILDFIRE' 'WILDFIRE' BLACK GUM	2" - 2 ½" CAL	B&B	FULL SPECIMEN
\triangle	9	QUERCUS PHELLOS WILLOW OAK	2" - 2 ½" CAL	B&B	FULL SPECIMEN
	5	MAGNOLIA VIRGINIANA SWEETBAY MAGNOLIA	6'-8' HT	B&B	FULL HEAVY SPECIMEN
\odot	6	PRUNUS x YEDOENSIS YOSHINO CHERRY	1 1/4" - 1 ½" 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
2 + 2 2 mpn 2	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.

Print Name

Final Landscape Plan

Owner Certification Form

I certify that I have reviewed this Final Landscape Plan; that I have read and understand the

regulations presented in the Carroll County Landscape Manual; and I agree to comply with these regulations and all applicable policy, guidelines and ordinanaces. I agree to certify the implementation of this approved Final Landscape Plan no later than one (1) year from the date of approval of this plan to the Department of Planning, Environmental and

Resource Protection, Room 209, 225 N. Center Street, Westminster, MD 21157-5194.

Applicant's Signature

Address (Please Print)

HUMAN & ROHDE, INC.

Landscape Architects 512 Virginia Ave. Towson, Maryland 21286 (410) 825-3885 Phone (410) 825-3887 Fax

5/2/2025

LANDSCAPE CALCULATIONS

E. OUTDOOR STORAGE AND LOADING

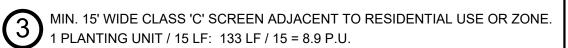
MIN. 15' WIDE CLASS 'A' SCREEN ADJACENT TO PUBLIC RIGHT OF WAY 1 PLANTING UNIT / 20 LF: 186 LF + 91 LF = 277 LF / 20 = 13.9 P.U.

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

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

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



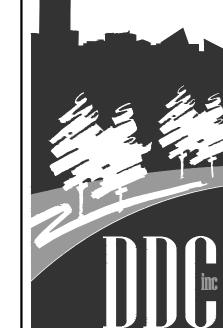
= 9.0 PU 9 - MAJOR TREES @ 1:1 0 - MINOR TREES @ 2:1 = 0.0 PU 22 - EVERGREEN TREES @ 2:1 = 11.0 PU TOTAL: 20.0 PU

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.

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.



192 East Main Street

410.386.0560 410.386.0564 (Fax) DDC@DDCinc.us

Westminster, MD 21157

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

SITE ADDRESS: CROUSE MILL ROAD TANEYTOWN, MD 21787

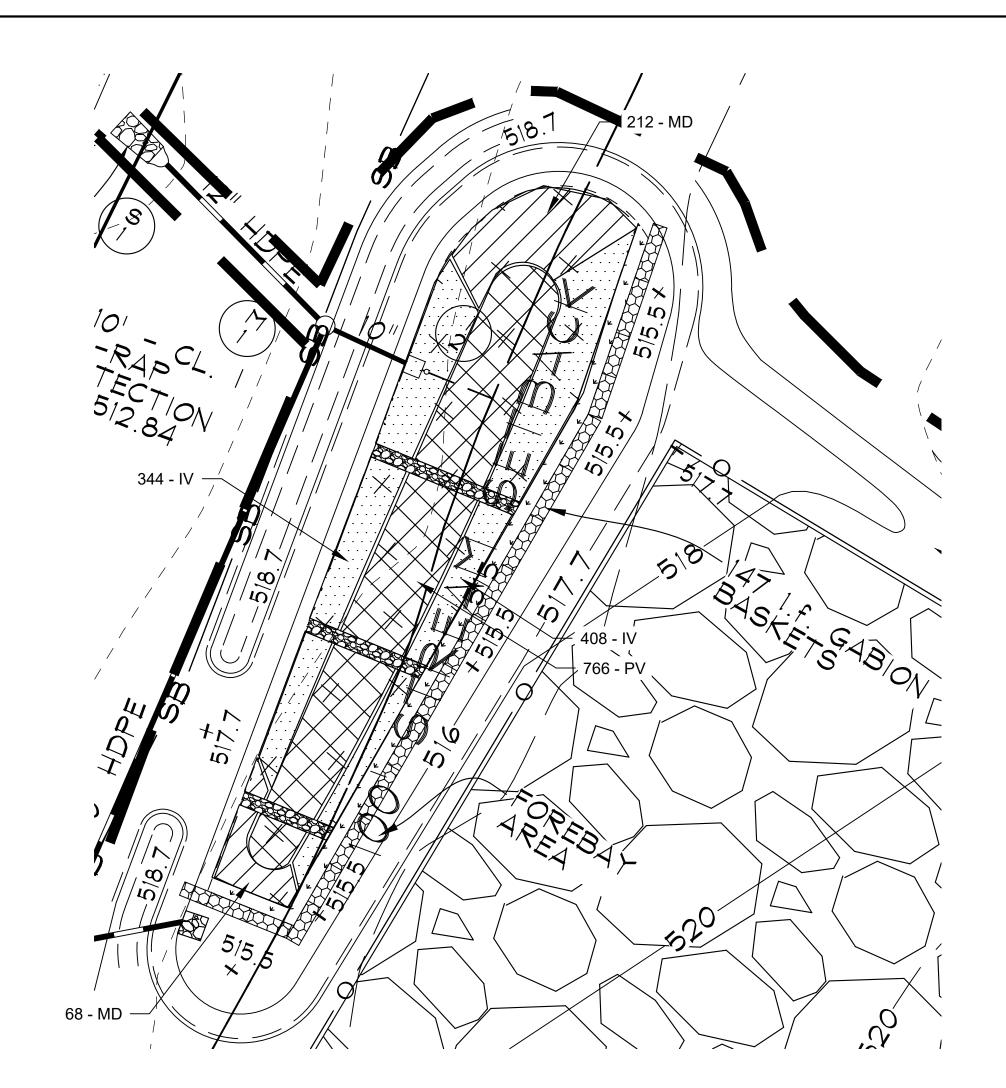
EVAPCO, INC. 5151 ALLENDALE LANE TANEYTOWN, MD 21787 (410) 876-3782

EVAPCO, INC. SITE PLAN

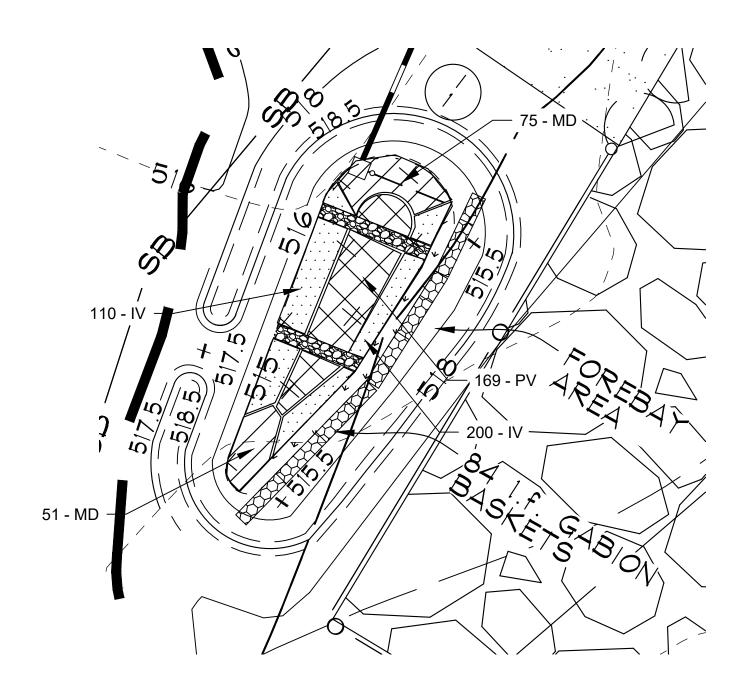
LANDSCAPE PLAN

COMMISSIONER DISTRICT 1
1ST ELECTION DISTRICT CARROLL COUNTY, MD REVISIONS NO. DESCRIPTION OF CHANGES 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

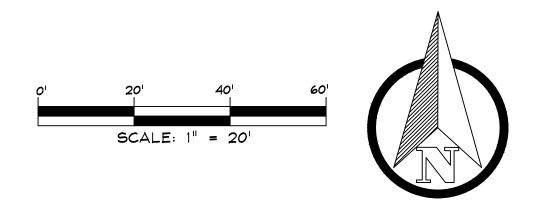
LYNETTE B. PINHEY, RLA MD RLA 1143

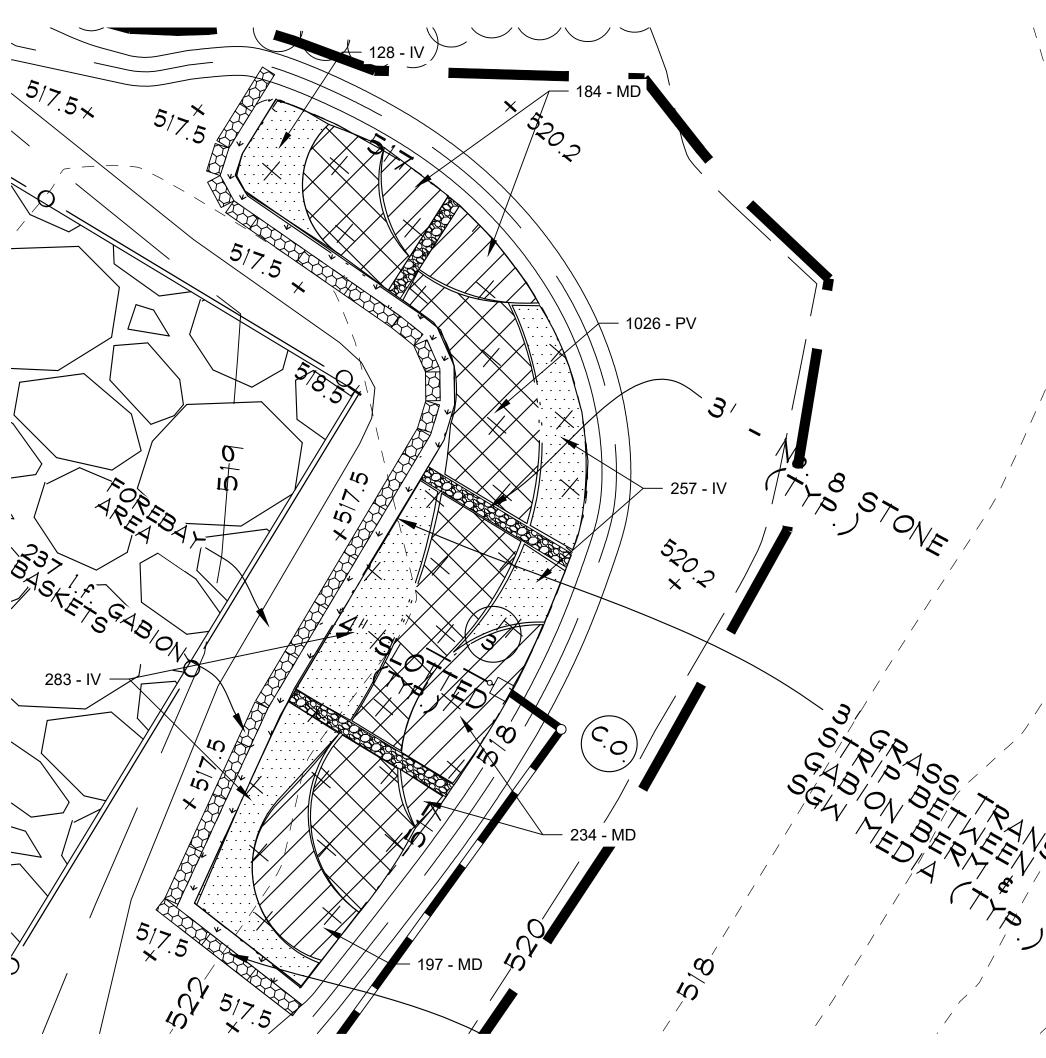


ENLARGED SWM FACILITY PLANTING PLAN #2



ENLARGED SWM FACILITY PLANTING PLAN #1

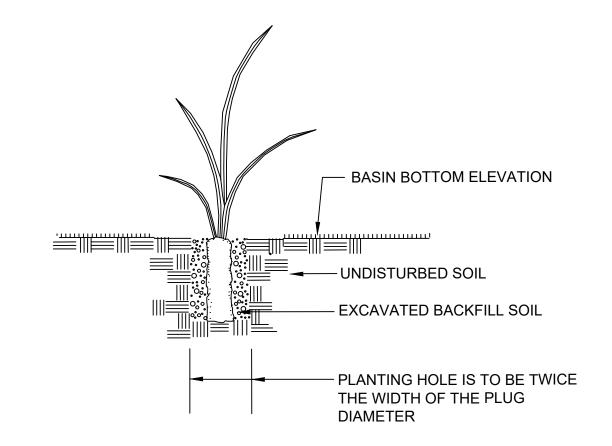




ENLARGED SWM FACILITY PLANTING PLAN #3

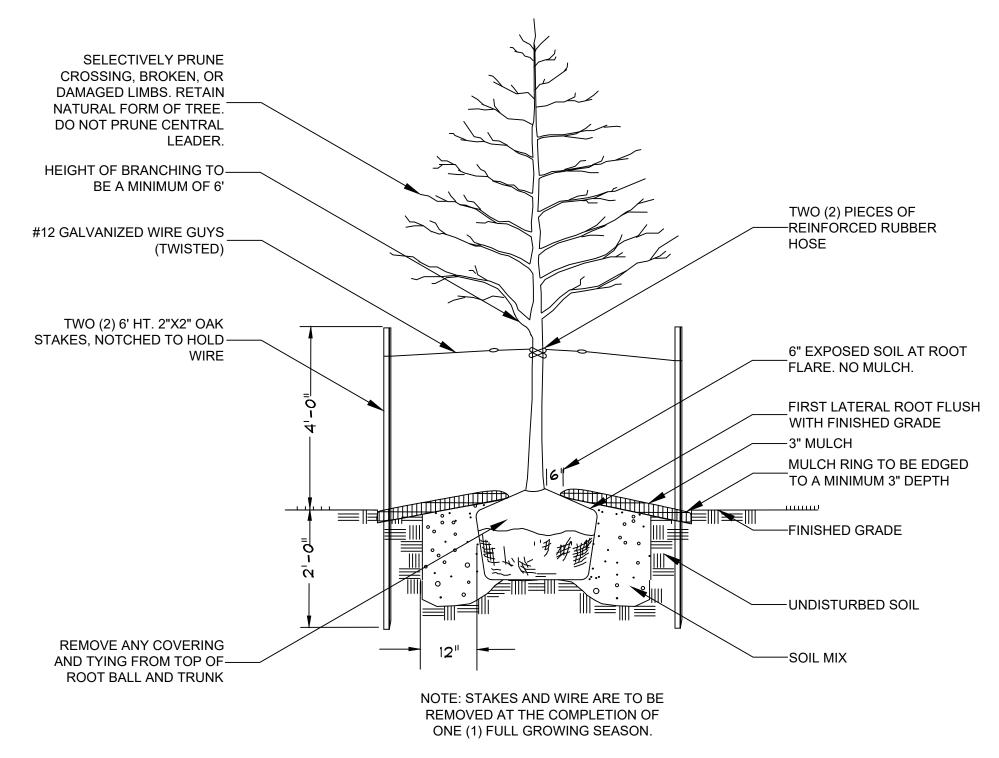
SWM PLANT LIST

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



PLANTING DETAIL FOR DECIDUOUS AND EVERGREEN TREES (1" - 4" CALIPER)



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

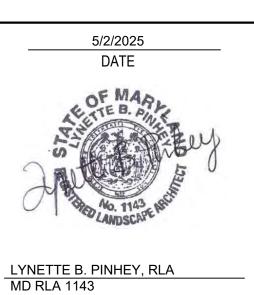
DEVELOPER: EVAPCO, INC. 5151 ALLENDALE LANE TANEYTOWN, MD 21787 (410) 876-3782

Westminster, MD 21157

410.386.0564 (Fax)

SITE ADDRESS: CROUSE MILL ROAD TANEYTOWN, 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

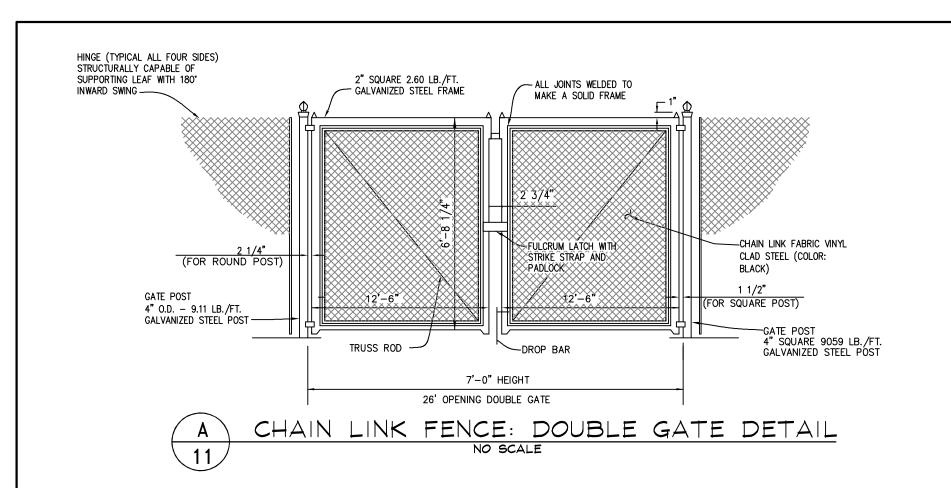


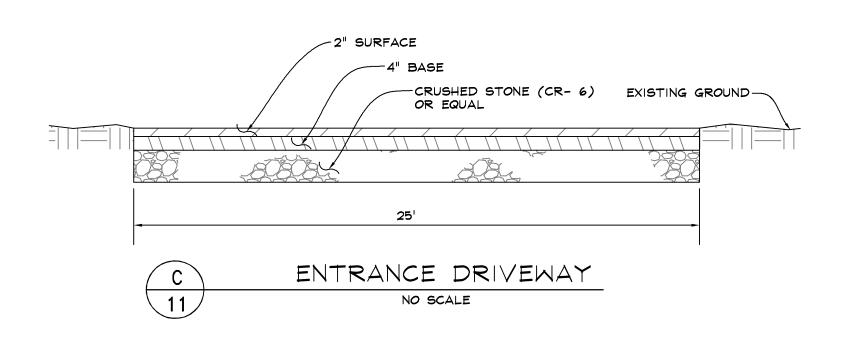
EVAPCO, INC. SITE PLAN LANDSCAPE PLAN

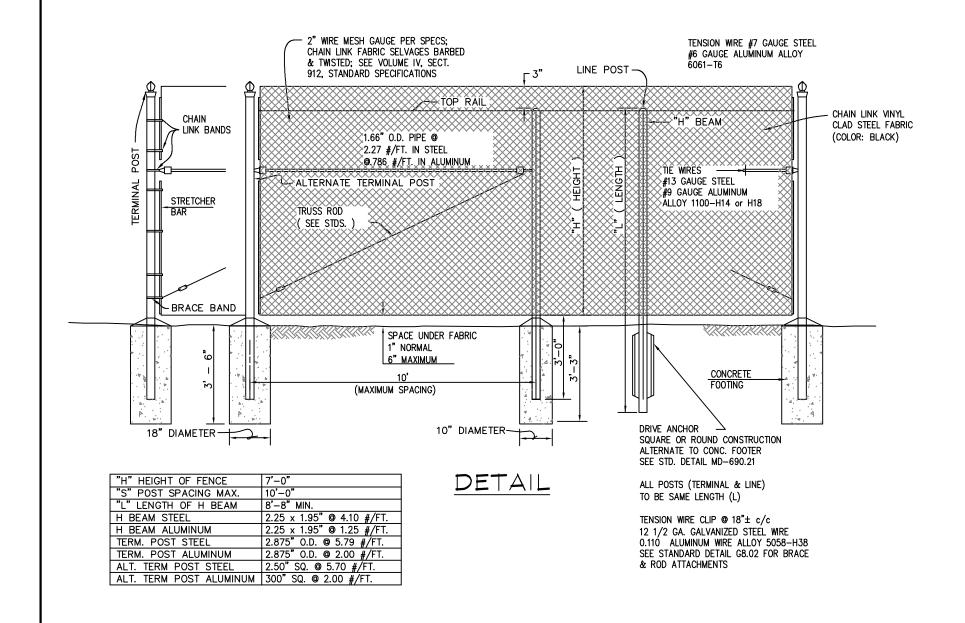
COMMISSIONER DISTRICT 1
1ST ELECTION DISTRICT CARROLL COUNTY, MD REVISIONS NO. DESCRIPTION OF CHANGES DRN. REV. DATE CO. FILE #: DES. BY: M.R.T. TAX ACC. #: 025473 DRN. BY: J.C.L. TAX MAP: 19 CHK. BY: P.G.C. DATE: 5/2/2025 BLOCK / GRID: 19 DDC JOB#: 07006.7 PARCEL #: 389 ZONE / USE: AGRICULTURE SHEET NUMBER: 10 of 12

DWG. SCALE: AS SHOWN

C-10

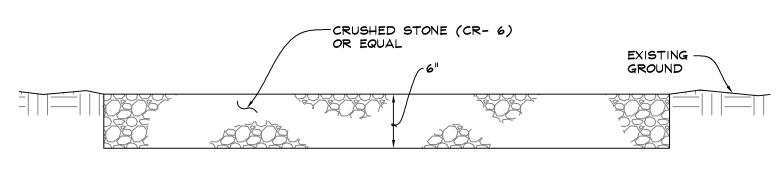




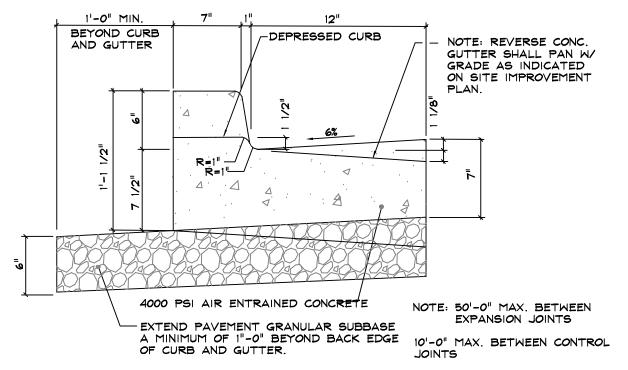


CHAIN LINK FENCE

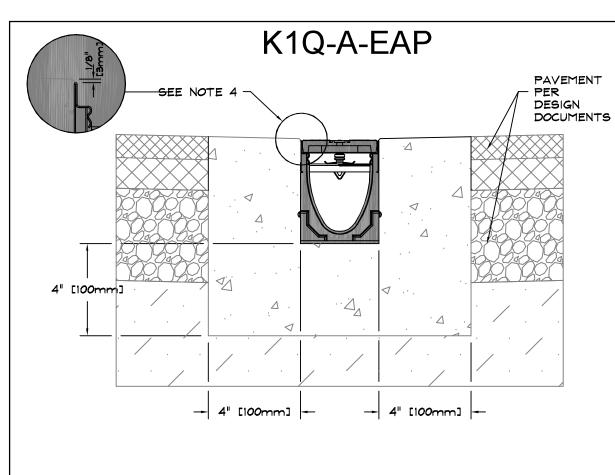
NO SCALE











NOTES: 1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS.

- ENGINEERING ADVICE MAY BE REQUIRED. 2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
- 3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
- 4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE 5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO
- DETERMINE PROPER LOAD CLASS. 6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATION CLAUSE K100 KLASSIKDRAIN 'QUICKLOK' LOAD CLASS A

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K100 CHANNEL SYSTEM WITH

GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC. MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITHAN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL

MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS: COMPRESSIVE STRENGTH: 14,000 PSI FLEXURAL STRENGTH: 4,000 PSI TENSILE STRENGTH: 1,500 PSI WATER ABSORPTION: 0.07% FROST PROOF DILUTE ACID AND ALKALI RESISTANT YES YES

B117 SALT SPRAY TEST COMPLIANT THE SYSTEM SHALL BE 4" (100mm) NOMINAL INTERNAL WIDTH WITH A 5.1" (130mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A

MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'QUICKLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S

INSTRUCTIONS AND RECOMMENDATIONS.

TRENCH DRAIN - KIOO KLASSIKDRAIN 'QUICKLOK' OR EQUAL



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

Surveyors

www.DDCinc.us

5151 ALLENDALE LANE TANEYTOWN, MD 21787

DEVELOPER:

EVAPCO, INC.

(410) 876-3782

OWNER: 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

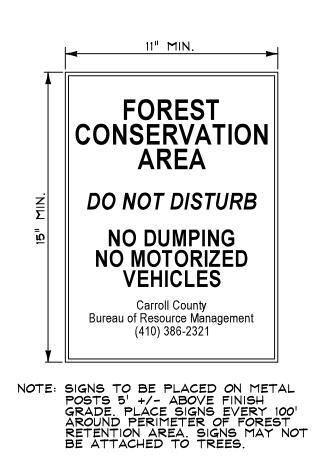
SITE DETAILS





COMMISSIONER DISTRICT 1 IST ELECTION DISTRICT CARROLL COUNTY, MD REVISIONS DRN. REV. DATE NO. DESCRIPTION OF CHANGES 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 DDC JOB#: 07006.7 PARCEL #: 389 ZONE / USE: AGRICULTURE SHEET NUMBER: 11 of 12 DWG. SCALE: AS SHOWN 5-24-0009

PROFESSIONAL ENGINEER NO. 27020





Clean Water For Your Future Carroll County Government

WATER RESOURCE

PROTECTION AREA

This area is being

maintained to protect

and enhance

water quality.

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

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

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

