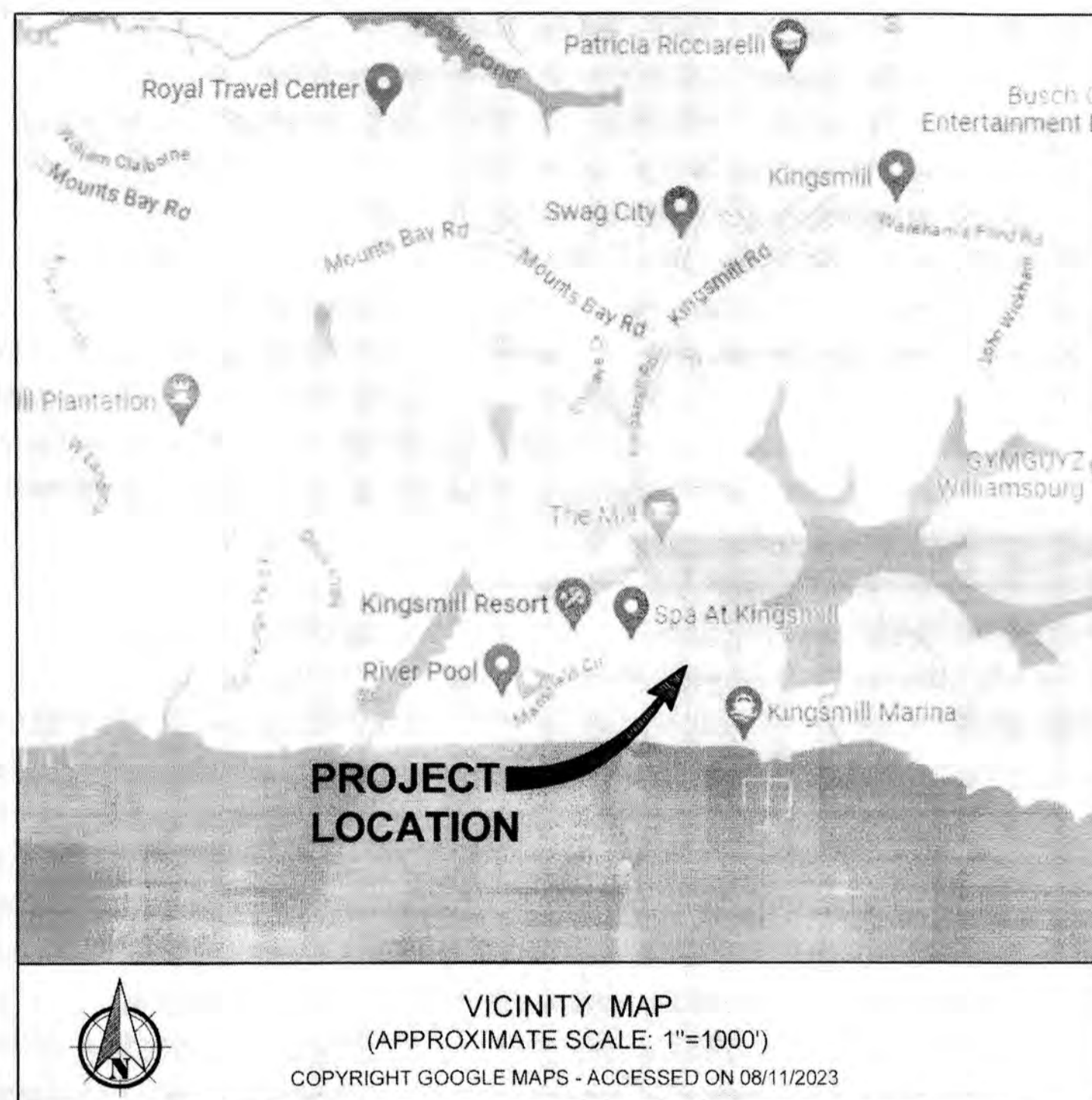


GENERAL NOTES:

- 1. THIS SITE LIES WITHIN THE COLLEGE CREEK WATERSHED.
2. ALL ERRORS OR DISCREPANCIES WITH THE PLANS OR EXISTING SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER OR SURVEYOR OF RECORD BEFORE PROCEEDING WITH THE WORK.
3. CONTOUR INTERVAL IS 1 FOOT. EXISTING GRADE IS FROM SURVEY PROVIDED BY AES DATED AUGUST 10, 2023.
4. ALL UTILITY AND SURVEY DATA SHOWN ON THE DRAWINGS HAVE BEEN PROVIDED BY AES CONSULTING ENGINEERS. INFORMATION HAS BEEN OBTAINED FROM THE BEST AVAILABLE SOURCES AT THE TIME OF THE SURVEY BUT IS NOT REPRESENTED AS BEING COMPLETE AND ACCURATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES AND UNDERGROUND STRUCTURES. DAMAGE TO EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR TO NO ADDITIONAL COST TO THE DEVELOPER.
5. EXISTING UTILITY LOCATIONS INDICATED ARE APPROXIMATE. FIELD VERIFY PRIOR TO COMMENCING THE WORK.
6. OWNER SHALL OBTAIN A LAND DISTURBING PERMIT. A SILTATION AGREEMENT, WITH SURETY, IS REQUIRED FOR THIS PROJECT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE DRAWINGS AND FOR EXCAVATION STOCKPILES, STAGING AREAS, MOBILIZATION SITES, BEDDING/BACKFILL STOCKPILES, AND OTHER LAND DISTURBANCES NOT SPECIFICALLY ADDRESSED IN THE DRAWINGS OR CONTRACT DOCUMENTS. EROSION AND SEDIMENT CONTROL MEASURES SHALL MEET OR EXCEED THE MINIMUM STANDARDS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK" (LATEST PUBLICATION) AND THE REQUIREMENTS OF THE LOCAL GOVERNING AUTHORITY.
8. ALL DISTURBED AREAS SHALL BE REPAIRED TO A CONDITION EQUAL TO OR BETTER THAN THOSE EXISTING PRIOR TO CONSTRUCTION OR AS SHOWN ON THE DRAWINGS. SIGNS, MAILBOXES, AND GUARDRAIL THAT ARE DISTURBED SHALL BE RETURNED TO THEIR ORIGINAL LOCATIONS DAILY AND MAINTAINED THROUGHOUT THE PROJECT.
9. THE CONTRACTOR SHALL REESTABLISH ALL PROPERTY PINS, MONUMENTS, WATER METERS, DRAINAGE CULVERTS, FENCES, UTILITY POLES, DRIVEWAYS, CURBS, GUTTERS, ETC. DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE DEVELOPER/OWNER.
10. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO AND DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF THE APPROVED PLANS AT THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
12. CONTRACTORS SHALL NOTIFY MISS UTILITY @ 811 OR (800) 552-7001 PRIOR TO STARTING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND DETERMINING SIZES OF ALL UTILITIES PRIOR TO CONSTRUCTION. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, CONTACT THE ENGINEER BEFORE PROCEEDING.
13. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO ALL OWNERS AND RESIDENTS OF PROPERTY ADJACENT TO THE PROJECT 30 DAYS PRIOR TO THE COMMENCEMENT OF WORK UNLESS OTHERWISE DIRECTED BY THE OWNER. CONSTRUCTION WITHIN EASEMENTS OR ON PUBLIC RIGHT-OF-WAY NECESSITATES NOTICE WHETHER ADJACENT TO OR LOCATED ON THE ADJOINING PROPERTY. FAILURE TO PROVIDE THE MINIMUM NOTIFICATION TIME WILL RESULT IN SUSPENSION OF WORK.
14. THE ABSENCE OF THE OWNER OR THE ENGINEER AT THE JOB SITE DOES NOT, IN ANY WAY, RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH THE DRAWINGS, CONTRACT DOCUMENTS, ADDENDA, AND WRITTEN AUTHORIZED PLAN REVISIONS.
15. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANYBODY HAVING JURISDICTION. THE CONTRACTOR SHALL ERRECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY AND PROTECTION.
16. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM WITH THE CURRENT JAMES CITY COUNTY STANDARDS AND SPECIFICATIONS, VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS, VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS, AND ANY OTHER APPLICABLE CITY OR STATE ORDINANCES, CODES, AND LAWS PRIOR TO ANY CONSTRUCTION ACTIVITY.
17. THE CONTRACTOR SHALL USE ONLY NEW MATERIALS, PARTS, AND PRODUCTS ON ALL PROJECTS. ALL MATERIALS SHALL BE STORED SO AS TO ASSURE THE PRESERVATION OF THEIR QUALITY AND FITNESS FOR THE WORK.
18. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO COMMENCEMENT OF WORK.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF CONSTRUCTION EFFORTS WITH LOCAL EMERGENCY SERVICES AND ALL NECESSARY UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO ELECTRICITY, NATURAL GAS, TELECOMMUNICATIONS, CABLE TELEVISION, WATER, SEWER, PRIVATE LIGHTING, AND OTHERS THAT MAY BE REQUIRED.
20. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO ALL SITE CONDITIONS PRIOR TO CONSTRUCTION.
21. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL SITE IMPROVEMENTS, INCLUDING LANDSCAPING, AS SHOWN ON THE APPROVED PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED.
22. THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL, INCLUDING SOIL AND DEBRIS, FROM THE SITE. ALL OBJECTIONABLE AND DELETERIOUS MATERIAL IS TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A STATE APPROVED FACILITY MEETING THE REQUIREMENTS OF ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
23. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE VIRGINIA UNDERGROUND UTILITY DAMAGE PREVENTION ACT (SECTION 56-265.14 ET. SEQ. CODE OF VIRGINIA, 1950, AS AMENDED) AND HEREBY AGREES TO HOLD THE DEVELOPER AND THE ENGINEER HARMLESS AGAINST ANY LOSS, DAMAGE, OR CLAIMS OF ANY NATURE WHATSOEVER ARISING OUT OF THE CONTRACTOR'S FAILURE TO COMPLY WITH THE REQUIREMENTS OF SAID ACT. THE CONTRACTOR IS REQUIRED TO COMPLY WITH THE VIRGINIA OVERHEAD HIGH VOLTAGE LINE SAFETY ACT (SECTIONS 59-1-406 THROUGH 59-1-414, CODE OF VIRGINIA, 1950, AS AMENDED). THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND NOTE THE POSITION OF OVERHEAD CABLES PRIOR TO CONSTRUCTION.
24. HORIZONTAL DATUM: NAD83 (1129) VIRGINIA STATE PLANE COORDINATE SYSTEM
VERTICAL DATUM: NGVD29
25. THE PROFESSIONAL, WHOSE SEAL IS AFFIXED HEREON, SHALL ACT AS THE "RESPONSIBLE LAND DISTURBER" FOR PURPOSES OF PLAN APPROVAL ONLY. PRIOR TO ISSUANCE OF THE LAND DISTURBING PERMIT, THE CONTRACTOR SHALL PROVIDE THE NAME OF A "RESPONSIBLE LAND DISTURBER" WHO SHALL ASSUME RESPONSIBILITY AS THE "RESPONSIBLE LAND DISTURBER" FOR THE CONSTRUCTION PHASE OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION SHOULD THE "RESPONSIBLE LAND DISTURBER" CHANGE DURING CONSTRUCTION.
26. ALL FILL MATERIAL SHALL BE VOID OF DEBRIS AND PLACED IN UNIFORM LIFTS OF NOT MORE THAN 8" IN LOOSE DEPTH. COMPACTION SHALL BE PERFORMED WITH HEAVY COMPACTION EQUIPMENT. COMPACT TO 95% MAXIMUM DRY DENSITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COMPACTION TEST RESULTS BY A GEOTECHNICAL ENGINEER TO THE OWNER/DEVELOPER FOR VERIFICATION OF PROPER COMPACTION.
27. THIS SITE DOES NOT CONTAIN AREAS IDENTIFIED BY THE VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION, DIVISION OF NATURAL HERITAGE IN THE PUBLICATION ENTITLED "NATURAL AREAS INVENTORY OF THE LOWER PENINSULA OF VIRGINIA".
28. ALL NEW MONUMENTS SHALL BE SET IN ACCORDANCE WITH SEC. 19-34 THROUGH 19-36 OF THE JAMES CITY COUNTY SUBDIVISION ORDINANCE.
29. NO BUILDING OR STRUCTURE SHALL EXCEED 8' IN HEIGHT WITHOUT A HEIGHT WAIVER FROM JAMES CITY COUNTY.
30. ALL NEW UTILITIES SHALL BE PLACED UNDERGROUND.
31. ALL NEW SIGNS SHALL BE IN ACCORDANCE WITH ARTICLE II, DIVISION 3 OF THE JAMES CITY COUNTY ZONING ORDINANCE.
32. NO SOIL STOCKPILE IS PROPOSED FOR THIS PROJECT.
33. NIGHTTIME ACTIVITIES ARE NOT ANTICIPATED FOR THIS PROJECT, THEREFORE NO EXTERIOR LIGHTING PROPOSED.

PLAN OF DEVELOPMENT FOR KINGSMILL FITNESS CENTER PATIO ADDITION

ROBERTS DISTRICT JAMES CITY COUNTY VIRGINIA



COUNTY PROJECT NO.: SP-23-0092 ORIGINAL SUBMITTAL DATE: 08/11/2023 APPROVAL DATE:

LEGEND table with columns for EXISTING and PROPOSED symbols for WATER, SANITARY SEWER, FORCE MAIN, SANITARY MANHOLE, STORM MANHOLE, CURB DROP INLET, YARD DROP INLET, FLARED END SECTION, VALVE, FIRE HYDRANT ASSEMBLY, BLOW-OFF VALVE, AIR RELEASE ASSEMBLY, CLEAN OUT, WATER METER, STREETLIGHT, CENTERLINE/BASELINE, RIGHT OF WAY, PROPERTY LINE & DITCH/SWALE, CONCRETE LINED DITCH, EXISTING TREELINE, LIMITS OF CLEARING, RIP RAP, CURB, CURB AND GUTTER, REVERSE GUTTER PAN, EDGE OF PAVEMENT, EXISTING GROUND ELEVATION, PROPOSED SPOT GRADE, and CONTOUR.



- 1. CONTRACTORS SHALL NOTIFY MISS UTILITY @ 811 OR (800) 552-7001 PRIOR TO STARTING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND DETERMINING SIZES OF ALL UTILITIES PRIOR TO CONSTRUCTION.
2. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, CONTACT THE CONSTRUCTION MANGER BEFORE PROCEEDING.
3. GOVERNMENT WILL MARK ALL GOVERNMENT-OWNED UTILITIES.

INDEX OF SHEETS:

Table with columns SHEET NO. and SHEET DESCRIPTION. Rows include C1.0 COVER SHEET, C2.0 DEMOLITION, E&S CONTROL AND ENVIRONMENTAL INVENTORY PLAN, C3.0 SITE, UTILITY, GRADING AND DRAINAGE PLAN, and C4.0 NOTES AND DETAILS SHEET.

Approval stamp table with columns COUNTY OF JAMES CITY, FINAL SITE PLAN, APPROVALS, DATE, and various official signatures and dates.

OWNER/DEVELOPER INFORMATION:

CONTACT: ESCALANTE GOLF CONNOR BRUNS DIRECTOR CAPITAL PROJECTS 930 BLEDSOE ST FORT WORTH, TX 76107 TELEPHONE: 855-384-2888

CERTIFIED RESPONSIBLE LAND DISTURBER:

GRAHAM V. CORSON, P.E. AES CONSULTING ENGINEERS 5248 OLDE TOWNE ROAD, SUITE 1 WILLIAMSBURG, VIRGINIA 23188 TELEPHONE: 757-253-0040

\* FOR SITE PLAN REVIEW PROCESS ONLY. OWNER OR CONTRACTOR SHALL NAME RESPONSIBLE LAND DISTURBER FOR CONSTRUCTION PROCESS.

SITE DATA:

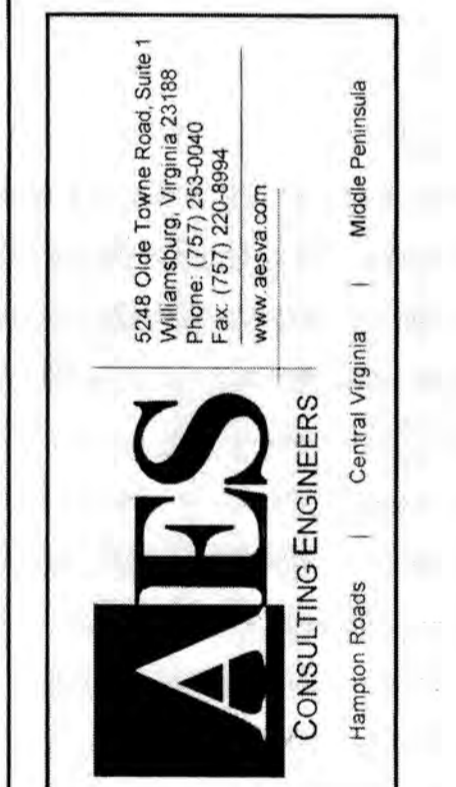
SITE ADDRESS: 900 KINGSMILL ROAD WILLIAMSBURG, VA 23185 LATITUDE: 37° 13' 49" N, LONGITUDE: 76° 39' 59" W
ZONING: R4 RESIDENTIAL PLANNED COMMUNITY
PARCEL ID: 5040100002C
PARCEL AREA: 191.40 AC.
LIMITS OF DISTURBANCE: 4,154 S.F. ±, 0.095 AC ±
EXISTING IMPERVIOUS AREA (WITHIN LOD): 794 S.F. ±, 0.017 AC ±
PROPOSED IMPERVIOUS AREA (WITHIN LOD): 2,311 S.F. ±, 0.053 AC ±
PROPOSED OPEN SPACE (WITHIN LOD): 1,843 S.F. ±, 0.042 AC ±
FLOOD HAZARD MAP: THIS PROPERTY IS IN FLOODZONE X AS SHOWN ON MAP NUMBER 51095C0206D, DATED DECEMBER 16, 2015 OF THE FLOOD INSURANCE RATE MAPS FOR JAMES CITY COUNTY, VIRGINIA. ZONE X IS DEFINED AS OUTSIDE THE 500 YEAR FLOOD PLAIN.

VSPM PERMIT DATA:

EXISTING PERMIT COVERAGE #
SITE LOCATED IN CHESAPEAKE BAY PRESERVATION AREA: Yes [X] No [ ]
LOCATION OF OFF-SITE ACTIVITY: N/A
STATUS OF ACTIVITY: [ ] Federal [ ] State [X] Public [ ] Private
NATURE OF CONSTRUCTION ACTIVITY: [ ] Commercial [X] Residential [ ] Industrial [ ] Other
NAME OF RECEIVING WATER(S): JAMES RIVER - SKIFFES CREEK
NAME OF IMPAIRED WATER(S): N/A
HYDROLOGIC UNIT CODE (HUC): JL35
MUNICIPAL STORM SEWER SYSTEM (MS-4): N/A
COMMON PLAN OF DEVELOPMENT: Yes [X] No [ ]

\*NOTE: AS LAND DISTURBING ACTIVITY PROPOSED FOR THIS PROJECT IS EQUAL TO OR GREATER THAN 2,500 SQUARE FEET BUT LESS THAN ONE (1) ACRE DISTURBED, IT IS DESIGNATED AS A CHESAPEAKE BAY PRESERVATION ACT LAND DISTURBING ACTIVITY (CBPALDA). THEREFORE, COMPLETION OF A REGISTRATION STATEMENT OR COVERAGE UNDER THE STATE VPDES CONSTRUCTION GENERAL PERMIT (VAR10) ARE NOT REQUIRED THROUGH THE LOCAL VSPM AUTHORITY. HOWEVER, THE REGISTRATION FEE AND ANNUAL MAINTENANCE FEE APPLY IN ACCORDANCE WITH STATE VSPM REGULATIONS AND CHAPTER 8 OF THE COUNTY CODE. A POLLUTION PREVENTION PLAN (PPP OR P2 PLAN) IS NOT REQUIRED AS A COMPONENT OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR PROJECTS DESIGNATED AS A CBPA-LDA.

City of Williamsburg & County of James City Circuit Court: This PLAN was recorded on Feb. 29, 2024 at 12:44 AM (PM) PB PG Document # 202402796 ELIZABETH E. O'CONNOR, CLERK Elizabeth E. O'Connor, Clerk



PLAN OF DEVELOPMENT FOR FITNESS CENTER PATIO ADDITION JAMES CITY COUNTY VIRGINIA

Project Contacts: GVC Scale: 7753-52 Date: 08/11/2023 Sheet Title: COVER SHEET Sheet Number: C1.0







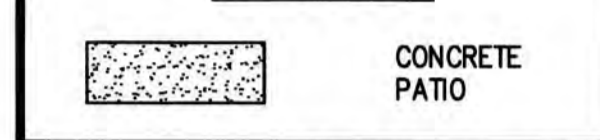
202402796

### EROSION AND SEDIMENTATION CONTROL LEGEND

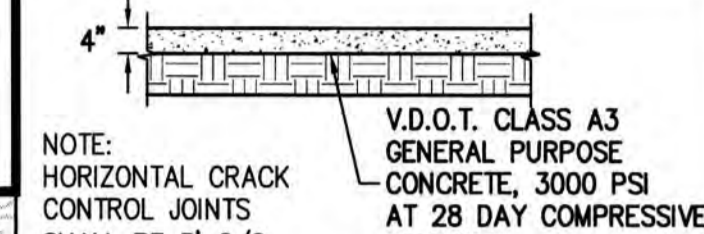
- (SAF) SAFETY FENCE (SPEC. 3.01)
- (SF) SILT FENCE (SPEC. 3.05)
- (IP) STORM DRAIN INLET PROTECTION (SPEC. 3.07)
- (PS) PERMANENT SEEDING (SPEC. 3.32)
- (MU) MULCHING (SPEC. 3.35)
- (EC-2) TREATMENT 1 SOIL STABILIZATION MATTING (SPEC. 3.36)

NOTE: SEE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK FOR EROSION CONTROL SPECIFICATIONS (SPEC.) AND DETAILS.

### LEGEND



### CONCRETE PATIO SECTION



NOTE: HORIZONTAL CRACK CONTROL JOINTS SHALL BE 5' C/C.

V.D.O.T. CLASS A3 GENERAL PURPOSE CONCRETE, 3000 PSI AT 28 DAY COMPRESSIVE STRENGTH

N.T.S.

4 Large/Small Plat(s) Recorded herewith as # 202402796

City of Williamsburg & County of James City Circuit Court. This Plan was recorded on Feb 28, 2024 at 10:44 AM PB Document # 202402796 Elizabeth E. O'Connor, Clerk

Rev.	Date	Description	By
1	12/12/23	REVISED PER JAMES CITY COUNTY COMMENTS	GVC



5245 Old Town Road, Suite 1  
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Phone: (757) 255-0040  
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www.aiesva.com

**AIES**  
CONSULTING ENGINEERS  
Hampton Roads | Central Virginia | Middle Peninsula

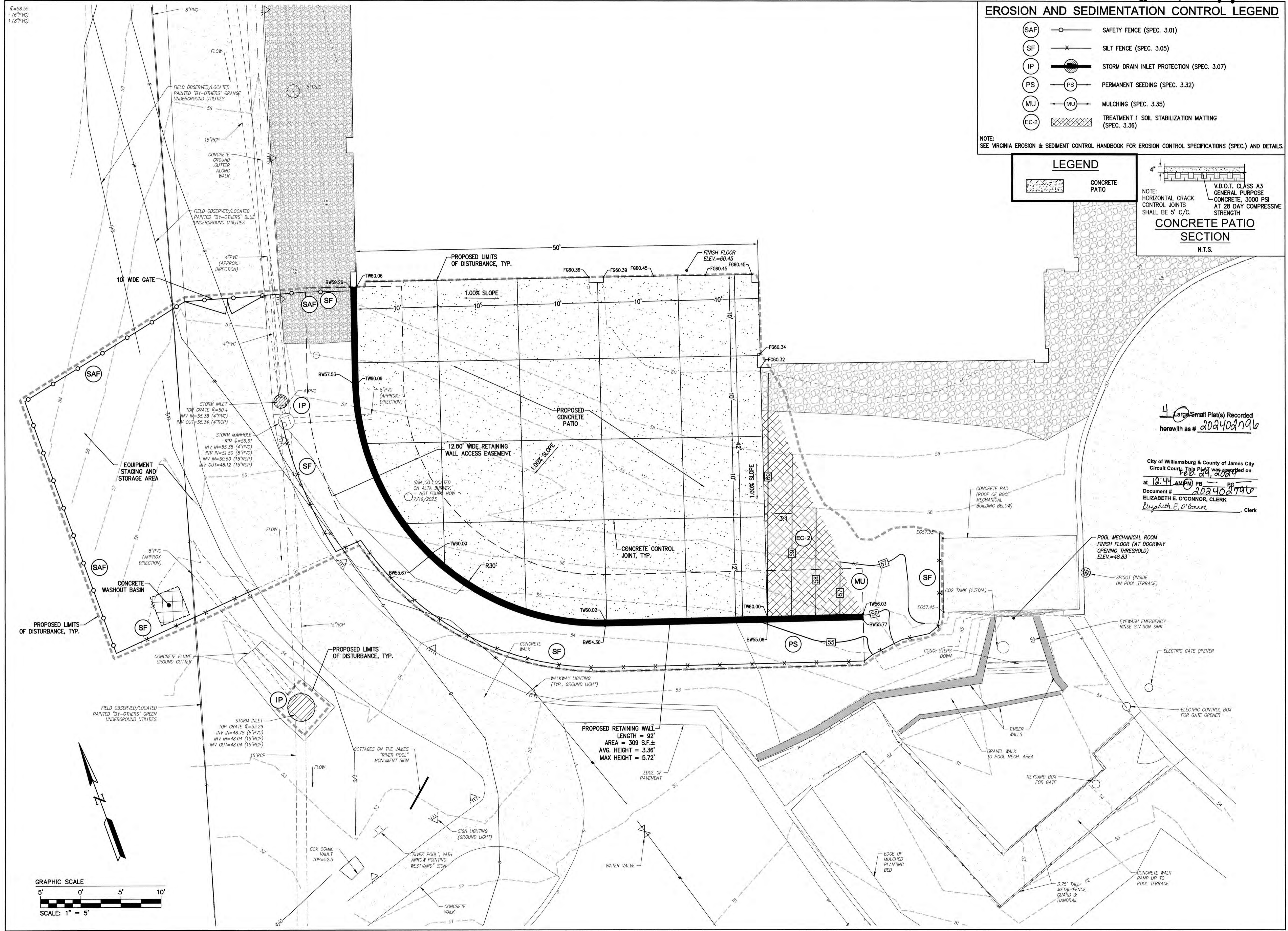
PLAN OF DEVELOPMENT FOR  
**FITNESS CENTER PATIO ADDITION**

JAMES CITY COUNTY, VIRGINIA  
ROBERTS DISTRICT

Project Contacts: GVC  
Project Number: 7753-52  
Scale: 1" = 5'  
Date: 08/11/2023

Sheet Title:  
**SITE, UTILITY AND GRADING PLAN**

Sheet Number  
**C3.0**



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**SITE SPECIFIC SEEDING MIXTURES FOR COASTAL PLAIN AREA**

MIXTURE	TOTAL LBS. PER ACRE
<b>MINIMUM CARE LAWN</b> COMMERCIAL OR RESIDENTIAL - KENTUCKY 31 OR TURF-TYPE TALL FESCUE OR - COMMON BERMAUDGRASS **	175-200 LBS. 75 LBS.
<b>HIGH-MAINTENANCE LAWN</b> - KENTUCKY 31 OR TURF-TYPE TALL FESCUE OR - HYBRID BERMAUDGRASS (SEED)**	200-250 LBS. 40 LBS. (HULLED) 30 LBS. (HULLED)
<b>GENERAL SLOPE (&gt;1 OR LESS)</b> - KENTUCKY 31 FESCUE - RED TOP GRASS - SEASONAL NURSE CROP *	128 LBS. 2 LBS. 20 LBS. 150 LBS.
<b>LOW MAINTENANCE SLOPE (STEEPER THAN 3:1)</b> - KENTUCKY 31 TALL FESCUE - COMMON BERMAUDGRASS ** - RED TOP GRASS - SEASONAL NURSE CROP * - SERICEA LESPEDEZA **	95-108 LBS. 0-15 LBS. 2 LBS. 20 LBS. 20 LBS. 150 LBS.

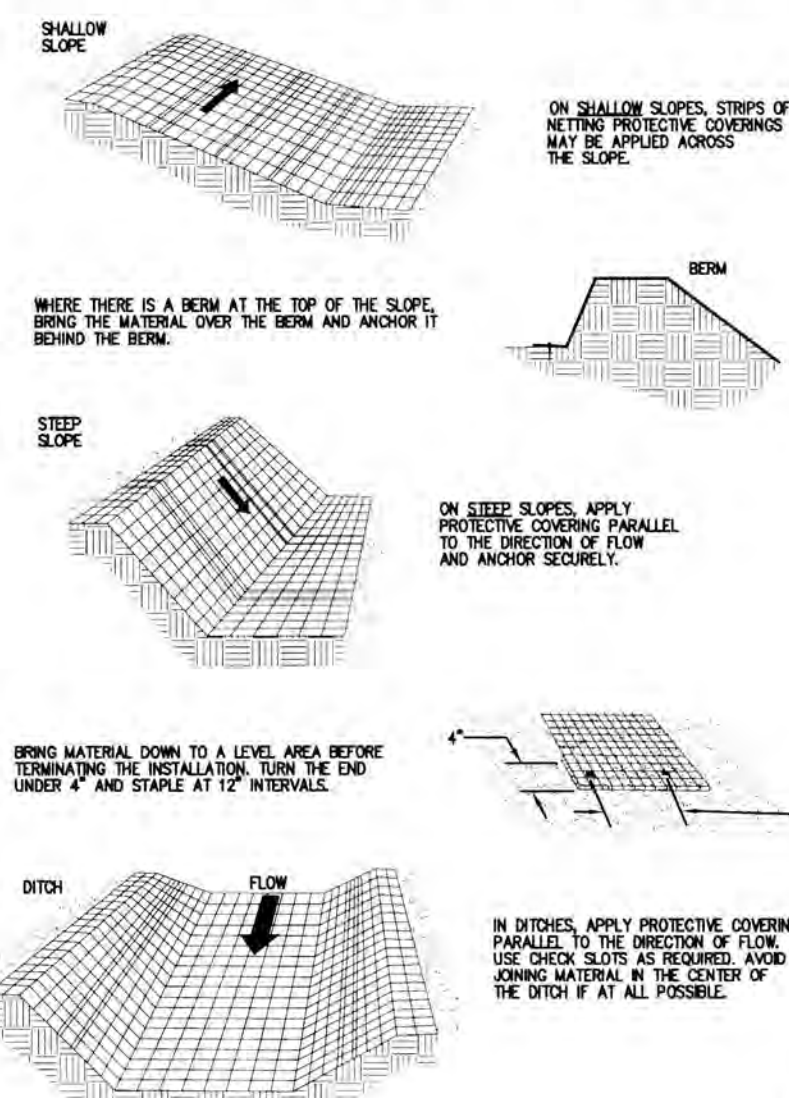
\* USE SEASONAL CROP IN ACCORDANCE WITH SEEDING DATES AS STATED BELOW:  
FEBRUARY, MARCH THROUGH APRIL..... ANNUAL RYE  
MAY 1ST THROUGH AUGUST..... FOXTAIL MILLET  
SEPTEMBER, OCTOBER THROUGH NOVEMBER 15TH..... ANNUAL RYE  
NOVEMBER 16TH THROUGH JANUARY..... WINTER RYE

\*\* MAY THROUGH OCTOBER, USE HULLED SEED. ALL OTHER SEEDING PERIODS, USE UNHULLED SEED. KEEPING LOWGRASS MAY BE ADDED TO ANY SLOPE OR LOW-MAINTENANCE MIX DURING WARMER SEEDING PERIODS; ADD 10-20 LBS./ACRE IN MIXES.

\*\*\* NUTRIENTS SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SHALL NOT BE APPLIED DURING RAINFALL EVENTS.

Table 3.32-D

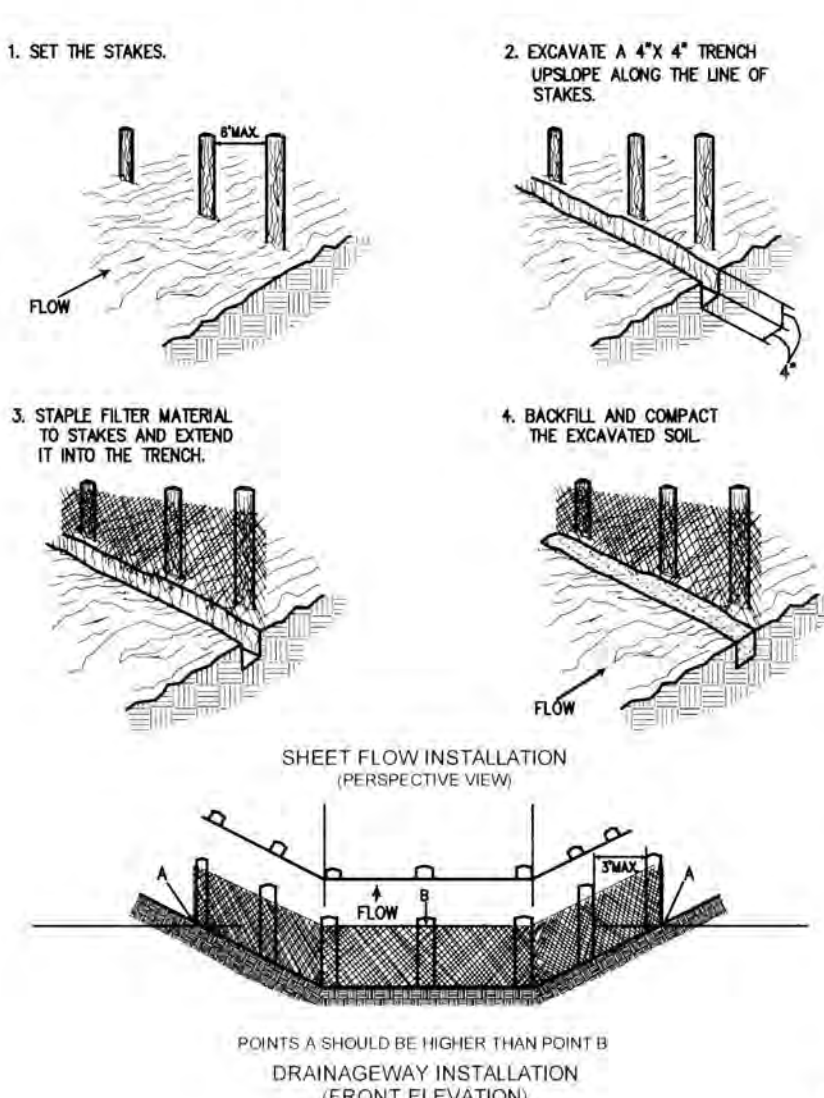
**TYPICAL ORIENTATION OF TREATMENT - 1 (SOIL STABILIZATION BLANKET)**



PS

BM

**CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT)**



SP

SO

**EROSION AND SEDIMENT CONTROL NARRATIVE**

**PROJECT DESCRIPTION:**  
THIS PROJECT DETAILS A PATIO ADDITION TO BE MADE TO THE KINGSMILL RESORT FITNESS CENTER, LOCATED AT 1010 KINGSMILL ROAD IN WILLIAMSBURG, VA. ALSO PROPOSED ARE RETAINING WALL ADDITIONS AND MINOR GRADING TO ENSURE THE PATIO TIES INTO THE SURROUNDING GRADE.

**EXISTING SITE CONDITIONS:**  
THIS PROJECT LIES WITHIN THE KINGSMILL DEVELOPMENT, WHICH IS A FULLY DEVELOPED COMMUNITY.

**ADJACENT PROPERTY:**  
THE SUBJECT SITE LIES TOTALLY WITHIN THE OVERALL KINGSMILL DEVELOPMENT, AND IS LOCATED AT THE KINGSMILL RESORT FITNESS CENTER.

**OFFSITE AREAS:**  
THERE ARE NO AREAS OF OFFSITE DISTURBANCE ASSOCIATED WITH THIS PROJECT.

**SOILS:**  
SEE THE ENVIRONMENTAL INVENTORY SHEET (SHEET C2.0) FOR SOIL TYPE DELINEATIONS.

**CRITICAL AREAS:**  
THERE ARE NO CRITICAL EROSION AREAS ASSOCIATED WITH THIS PROJECT.

**EROSION AND SEDIMENT CONTROL MEASURES:**  
UNLESS OTHERWISE INDICATED, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESH), THE MINIMUM STANDARDS OF THE VESH SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED AND APPROVED BY THE ON-SITE E&S CONTROL INSPECTOR. THESE MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO: SILT FENCE, INLET PROTECTION, TOPSOILING, TEMPORARY SEEDING, PERMANENT SEEDING, E-2 STABILIZATION MATTING, AND DUST CONTROL.

**PERMANENT STABILIZATION:**  
ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT OR TEMPORARY SEEDING IMMEDIATELY FOLLOWING GRADING ACTIVITIES.

**MAINTENANCE:**  
IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:

- SAFETY FENCE SHALL BE MAINTAINED TO PREVENT UNAUTHORIZED ENTRY INTO THE SITE DURING CONSTRUCTION.
- CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT MUD ONTO SURROUNDING AREAS OF THE KINGSMILL DEVELOPMENT. ANY MATERIAL TRACKED OUTSIDE OF THE PROJECT AREA MUST BE REMOVED IMMEDIATELY. WATER TRUCKS ARE NOT PERMITTED TO REMOVE MATERIALS UNDER ANY CIRCUMSTANCES.
- SILT FENCING SHALL BE INSPECTED IMMEDIATELY AFTER ANY RAINFALL EVENT AND REPLACE AS NECESSARY. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT AT APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. ALL SEDIMENT REMAINING ONCE SILT FENCE HAS BEEN REMOVED SHALL CONFORM AND BE STABILIZED WITH EXISTING GRADE.
- INSPECT AND REPAIR INLET PROTECTION AFTER EACH RAIN EVENT. SEDIMENT SHALL BE REMOVED AND DEPOSITED IN A SUITABLE AREA ONCE ACCUMULATED TO HALF THE DEPTH OF THE TRAP. INLET PROTECTION SHALL BE REMOVED AND THE AREA STABILIZED AFTER STABILIZATION OF SURROUNDING AREA.
- TOPSOIL SHALL BE SPREAD AT A COMPACTED DEPTH OF 2 TO 4 INCHES. LOCATION AND PHYSICAL COMPOSITION OF STOCKPILE SHALL MEET SPECIFICATIONS AND SHALL NOT INTERFERE WITH WORK ON SITE. DO NOT APPLY TOPSOIL TO SUBSOIL IF THE TWO SOILS HAVE CONTRASTING TEXTURES. TOPSOILING OF STEEP SLOPES IS DISCOURAGED UNLESS GOOD BONDING OF SOILS CAN BE ACHIEVED.
- TEMPORARY OR PERMANENTLY STABILIZED AREAS SHALL BE REGULARLY INSPECTED AND RESEEDED IMMEDIATELY AS NECESSARY. THE REASON FOR THE FAILURE OF PLANTS TO GERMINATE MUST BE DETERMINED PRIOR TO ANY CORRECTIVE ACTION NECESSARY TO RESEED THE AREA.
- ALL MULCHED AREAS SHALL BE INSPECTED PERIODICALLY (ESPECIALLY AFTER RAIN EVENTS) TO ENSURE EROSION DOES NOT OCCUR. IF EROSION DOES OCCUR, ADDITIONAL MULCH SHALL BE APPLIED.
- ALL SOIL STABILIZATION BLANKETS SHALL BE REGULARLY INSPECTED AND REPAIRED AS NECESSARY PARTICULARLY AFTER RAIN EVENTS. IF WASHOUT OR BREAKAGE OCCURS, REINSTALL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH.
- DUST CONTROL PRACTICES SHALL APPLY IN AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON-SITE AND OFF-SITE DAMAGE CAN OCCUR. TEMPORARY MEASURES INCLUDE VEGETATIVE COVER, MULCH, TALLAGE, IRRIGATION, SPRAY-ON ADHESIVES, STONE BARRIERS, AND CALCIUM CHLORIDE APPLICATION. PERMANENT PRACTICES SHALL INCLUDE PERMANENT VEGETATION AND STONE.

SO

**DUST CONTROL 3.30**

**TEMPORARY MEASURES USED DURING CONSTRUCTION:**

- VEGETATIVE COVER** - IN AREAS SUBJECT TO LITTLE OR NO CONSTRUCTION TRAFFIC, A VEGETATIVELY STABILIZED SURFACE WILL REDUCE DUST EMISSIONS (SEE TEMPORARY SEEDING, STD. & SPEC. 3.33).
- MULCH** - WHEN PROPERLY APPLIED, MULCH OFFERS A FAST, EFFECTIVE MEANS OF CONTROLLING DUST. NOT RECOMMENDED FOR AREAS WITH HEAVY TRAFFIC PATTERNS. BRUSHES OR TRUCKS SHOULD BE USED TO TRACK ORIGINAL MULCH INTO PLACE. MULCH SHALL BE TESTED BY A RECOGNIZED LABORATORY FOR THE FOLLOWING CRITERIA:  
ORGANIC MATTER CONTENT SHALL BE NOT LESS THAN 1.0% BY WEIGHT.  
PILE HEIGHT SHALL BE FROM 6.0-7.5" IF PILE IS LESS THAN 6.0" LINE SHALL BE ADDED IN ACCORDANCE WITH SOIL TEST RESULTS OR IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE VEGETATIVE ESTABLISHMENT PRACTICE BEING USED.  
SCOURABLE SOILS SHALL NOT EXCEED 500 PPM.
- WATER** - THIS PRACTICE IS DESIGNED TO SOFTEN AND BRING CLOSE TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE PROCEEDING WITH ANY OTHER MEASURES. WATER SHOULD BE APPLIED AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT. WHERE DUST IS A KNOWN PROBLEM, EXISTING HIGHWAY WEAR SURFACES SHOULD BE WATERED AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT. WHERE DUST IS A KNOWN PROBLEM, EXISTING HIGHWAY WEAR SURFACES SHOULD BE WATERED AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT.
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- STONE** - STONE CAN BE USED TO STABILIZE ROADS OR OTHER AREAS DURING CONSTRUCTION USING CRUSHED STONE OR COARSE GRAVEL (SEE CONSTRUCTION ROAD STABILIZATION, STD. & SPEC. 3.33).
- BARRIERS** - A BOUND FENCE, WIND FENCE, SEDIMENT FENCE, OR SIMILAR BARRIER CAN HELP TO CONTROL AIR CURRENTS AND BLOWING SOIL. PLACE BARRIERS PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT. WHERE DUST IS A KNOWN PROBLEM, EXISTING HIGHWAY WEAR SURFACES SHOULD BE WATERED AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT.
- CALCIUM CHLORIDE** - THIS CHEMICAL MAY BE APPLIED BY EXISTING SPREADER OR LOOSE, DRY GRANULES ON FLARES AT A RATE THAT KEEPS THE SURFACE MOIST BUT NOT SO HIGH AS TO CAUSE WATER POLLUTION OR PLANT DAMAGE. APPLICATION RATES SHOULD BE STRICTLY IN ACCORDANCE WITH SUPPLIER'S SPECIFIED RATES.

**PERMANENT MEASURES:**

- PERMANENT VEGETATION** - THE APPLICATION OF PERMANENT SEEDING (SEE STD. & SPEC. 3.33) AND SAVING EXISTING TREES AND LARGE SHRUBS CAN HELP REDUCE DUST AND AIR MOVEMENT FROM CONSTRUCTION SITES.
- STONE** - CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER WHICH WILL PROVIDE CONTROL OF SOIL EMISSIONS.

DC

**TOPSOILING 3.30**

**SPECIFICATIONS:**

**MATERIALS:**  
FIELD EVALUATION OF THE SITE SHALL BE MADE TO DETERMINE IF THERE IS SUFFICIENT SURFACE SOIL OF GOOD QUALITY TO JUSTIFY TOPSOILING. TOPSOIL SHALL BE FRABLE AND LOAMY, SANDY LOAM, SILTY LOAM, SANDY CLAY LOAM, CLAY LOAM. IT SHALL BE FREE OF STONES, TRUNKS, BRANCHES, LIMBS, AND ROOTS. MULCH AND SOILS SHOULD BE FREE OF ANY SUBSTANCE THAT IS POTENTIALLY TOXIC TO PLANT GROWTH. ALL TOPSOIL SHALL BE TESTED BY A RECOGNIZED LABORATORY FOR THE FOLLOWING CRITERIA:  
ORGANIC MATTER CONTENT SHALL BE NOT LESS THAN 1.0% BY WEIGHT.  
PILE HEIGHT SHALL BE FROM 6.0-7.5" IF PILE IS LESS THAN 6.0" LINE SHALL BE ADDED IN ACCORDANCE WITH SOIL TEST RESULTS OR IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE VEGETATIVE ESTABLISHMENT PRACTICE BEING USED.  
SCOURABLE SOILS SHALL NOT EXCEED 500 PPM.

**IF ADDITIONAL OFF-SITE TOPSOIL IS NEEDED, IT MUST MEET THE STANDARDS STATED ABOVE.**

**STORAGE:**  
TOPSOIL OPERATIONS SHOULD NOT BE PERFORMED WHEN THE SOIL IS WET OR FROZEN. STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. A 4- TO 6-INCH STRIPPING DEPTH IS COMMON, BUT DEPTH MAY VARY DEPENDING ON THE PARTICULAR SOIL. ALL PEDESTAL DRESSES, BASINS, AND OTHER SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO STRIPPING.

**STOCKPILING:**  
TOPSOIL SHALL BE STOCKPILED IN SUCH A MANNER THAT NATURAL DRAINAGE IS NOT OBSTRUCTED AND NO OFF-SITE SEDIMENT DAMAGE SHALL RESULT. STABILIZE OR PROTECT STOCKPILES IN ACCORDANCE WITH ME 8.

**SOIL SLOPES OF THE STOCKPILE SHALL NOT EXCEED 2:1.**

**SEEDING:**  
TOPSOIL SHALL BE PLACED AROUND THE STOCKPILE IMMEDIATELY. SEEDING OF STOCKPILES SHALL BE COMPLETED WITHIN 7 DAYS OF THE FORMATION OF THE STOCKPILE. IN ACCORDANCE WITH STD. & SPEC. 3.33, TEMPORARY SEEDING IF IT IS TO REMAIN DORMANT FOR LONGER THAN 30 DAYS (REFER TO ME 8 AND ME 9).

**SITE PREPARATION PRIOR TO AND MAINTENANCE DURING TOPSOILING:**  
BEFORE TOPSOILING, ESTABLISH BOUND EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIMENSIONED GRADE STABILIZATION STRUCTURES, SEDGES, DRESSES, LEVEL SPREADERS, WATERWAYS, SEDIMENT BASINS, ETC. THESE PRACTICES MUST BE MAINTAINED DURING TOPSOILING.

**GRADING:**  
PREVIOUSLY ESTABLISHED GRASSES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVED PLAN.

**LANDING:**  
WHERE THE PH OF THE SUBSOIL IS 6.0 OR LESS, OR THE SOIL IS COMPOSED OF HEAVY CLAYS, AGRICULTURAL LIME SHALL BE SPREAD IN ACCORDANCE WITH THE SOIL TEST OR THE VEGETATIVE ESTABLISHMENT PRACTICE BEING USED.

**SEEDING:**  
TOPSOIL SHALL BE SPREAD IN ACCORDANCE WITH THE SOIL TEST OR THE VEGETATIVE ESTABLISHMENT PRACTICE BEING USED.

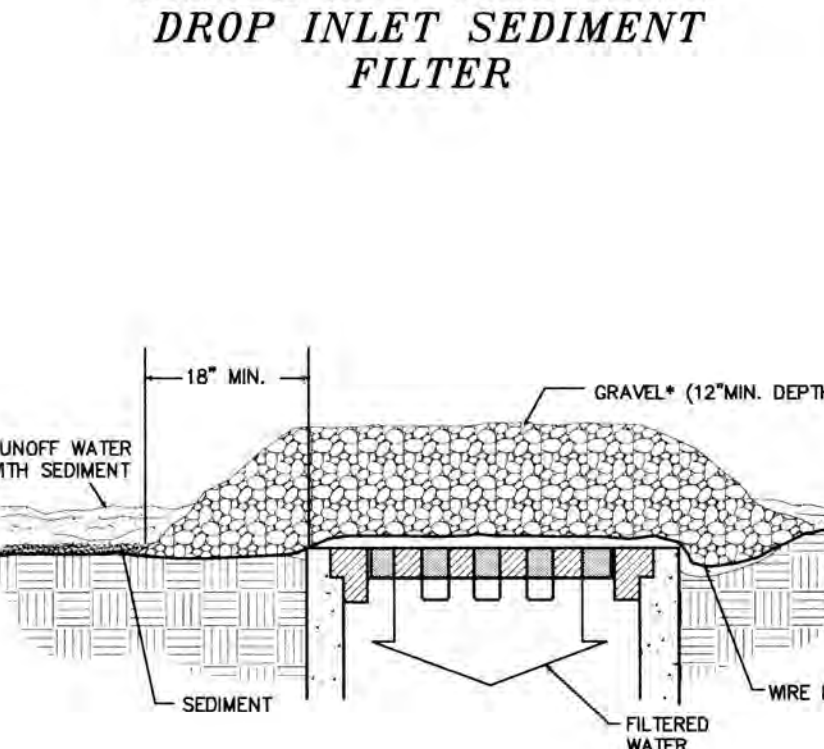
**SEEDING AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, AND IMMEDIATELY PRIOR TO DRAINING AND SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENEED BY DIGGING OR SCARPING TO A DEPTH OF AT LEAST 2 INCHES TO ENSURE BONDING OF THE TOPSOIL AND SUBSOIL.**

**APPLYING TOPSOIL:**  
TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN TOPSOIL OR SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OBSTRUCT OR DETRIMENTAL TO PROPER GRADING OR PROGRESS. TOPSOILING SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM COMPACTED DEPTH OF 2 INCHES ON 1:1 OR STEEPER SLOPES AND 4 INCHES ON FLATTER SLOPES. (SEE TABLE 3.30-A TO DETERMINE VOLUME OF TOPSOIL REQUIRED FOR APPLICATION TO VARIOUS TYPES OF EQUIPMENT USED TO PLACE TOPSOIL IN AREAS TO RECEIVE THE SOIL. AVOID UNNECESSARY COMPACTION BY HEAVY MACHINERY WHENEVER POSSIBLE. IN AREAS WHICH ARE NOT GOING TO BE MOVED, THE SURFACE SHOULD BE LEFT ROUGH IN ACCORDANCE WITH SURFACE RECONSTRUCTION (STD. & SPEC. 3.26).

**SOIL STABILIZERS:**  
NO SOIL OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STABILIZERS UNTIL SUFFICIENT TIME HAS ELAPSED TO PERMIT DESORPTION OF TOXIC MATERIALS.

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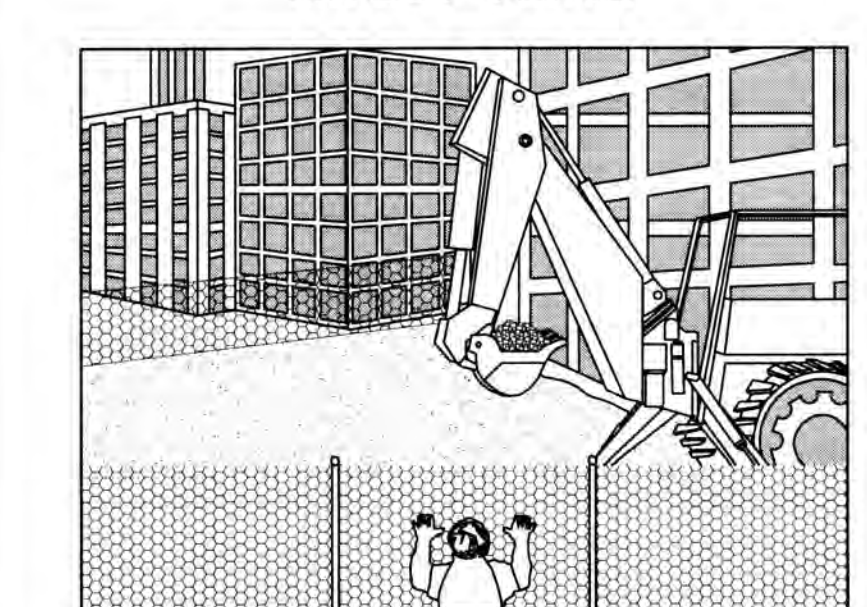
**GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER**



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**ORGANIC MULCH MATERIALS AND APPLICATION RATES**

MULCHES:	RATES:		NOTES:
	PER ACRE	PER 1000 FT SQ.	
STRAW OR HAY	1 1/2 - 2 Tons (Minimum 2 Tons for winter cover)	70-90 Lbs.	Free from weeds and coarse matter. Must be anchored. Spread with mulch blower or by hand.
FIBER MULCH	Minimum 1500 Lbs.	35 Lbs.	Do not use as mulch for winter cover or during hot, dry periods. Apply as slurry.
CORN STALKS	4-6 Tons.	185-275 Lbs.	Cut or shredded in 4-6" lengths. Air-dried. Do not use in fine turf areas. Apply with mulch blower or by hand.
WOOD CHIPS	4-6 Tons	185-275 Lbs.	Free of coarse matter. Air-dried. Treat with 12 lbs. nitrogen per ton. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.
BARK CHIPS OR SHREDDED BARK	50-70 Cu. Yds.	1-2 Cu. Yds.	Free of coarse matter. Air-dried. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.

\* When fiber mulch is the only available mulch during periods when straw should be used, apply at a minimum rate of 2000 Lbs./Ac. or 45 Lbs./1000 Sq. Ft.

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**TEMPORARY SEEDING PLANT MATERIALS, SEEDING RATES, AND DATES**

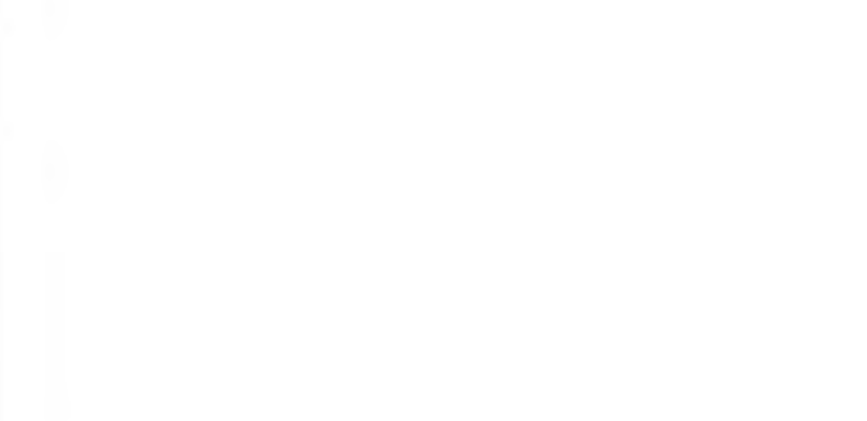
SPECIES	SEEDING RATE (LBS./1000 SQ. FT.)	MONTH (A)			MONTH (B)			PLANT CHARACTERISTICS
		APR	MAY	JUN	APR	MAY	JUN	
SAFER (FESTUCA TENACISSIMA)	5 lbs. (100 to 100 lbs.)	X	X	X	X	X	X	Leafy seeding species (e.g., Bahia)
BLISS (FESTUCA TENACISSIMA)	5 lbs. (100 to 100 lbs.)	X	X	X	X	X	X	Leafy seeding species (e.g., Bahia)
CLAYTONIA (FESTUCA TENACISSIMA)	5 lbs. (100 to 100 lbs.)	X	X	X	X	X	X	Leafy seeding species (e.g., Bahia)
ANNULAR PERPOSSUM (SILVUM MEXICANUM)	60 lbs.	X	X	X	X	X	X	May be used in areas where soil is very poor. May be used in areas where soil is very poor.
WHEAT (TRITICUM AESTIVUM)	10 lbs.	X	X	X	X	X	X	Non-legume species. May be used in areas where soil is very poor. May be used in areas where soil is very poor.
VEGETAL (LUPULINUS ALBUS)	25 lbs.	X	X	X	X	X	X	Non-legume species. May be used in areas where soil is very poor. May be used in areas where soil is very poor.

1. NORTH-SOUTH PRESENT AND VERTICAL RECORD SEE TABLE 3.31-1 AND 3.31-2  
2. NORTH-SOUTH PRESENT AND VERTICAL RECORD SEE TABLE 3.31-1 AND 3.31-2  
3. MAY BE USED AS A COVER CROP WITH SPRING SEEDING  
4. MAY BE USED AS A COVER CROP WITH FALL SEEDING  
5. MAY BE PLANTED BETWEEN WIND BARRIERS  
6. MAY BE PLANTED BETWEEN WIND BARRIERS

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**CONCRETE WASHOUT DETAIL**



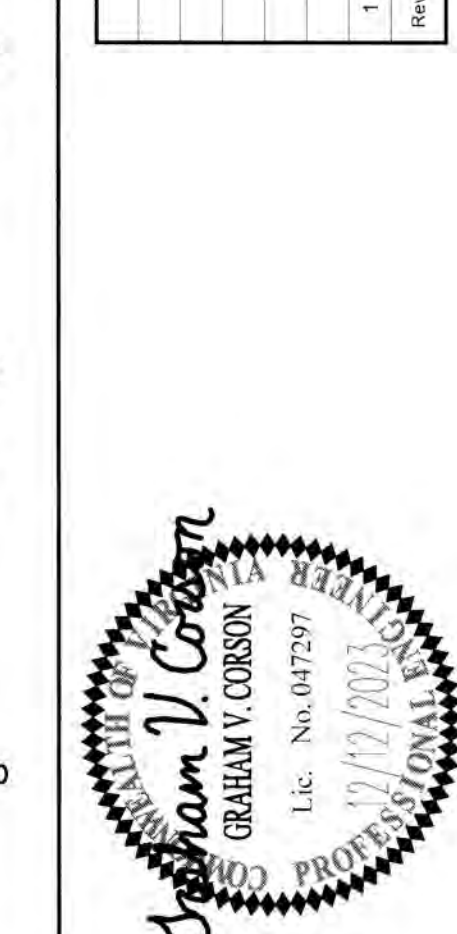
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THE FOLLOWING STANDARD COUNTY NOTES SHALL BECOME PART OF ANY APPROVED EROSION AND SEDIMENT CONTROL OR STORMWATER MANAGEMENT PLAN OF DEVELOPMENT PROJECT IN JAMES CITY COUNTY, VIRGINIA. THE COUNTY'S DIVISION OF STORMWATER AND RESOURCE PROTECTION (SRP) IS DESIGNATED BY CHAPTER 8 OF THE COUNTY CODE AS THE LOCAL VIRGINIA EROSION AND SEDIMENT CONTROL PROGRAM (VESP) AUTHORITY AND THE LOCAL VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSM) AUTHORITY.

- ALL THE PROVISIONS OF VIRGINIA EROSION AND SEDIMENT CONTROL (E&S) LAW AND REGULATIONS, THE VIRGINIA STORMWATER MANAGEMENT ACT AND REGULATIONS, THE VIRGINIA BEST MANAGEMENT PRACTICE (BMP) CLEARINGHOUSE WEBSITE, STATE E&S AND STORMWATER MANAGEMENT HANDBOOKS, AND ANY ASSOCIATED TECHNICAL BULLETINS AND GUIDANCE DOCUMENTS AS PUBLISHED BY THE STATE WATER CONTROL BOARD, THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ), AND THE LOCAL VESP AND VSM AUTHORITY SHALL APPLY TO THE PROJECT.
- MINIMUM STANDARDS NUMBERS 1 THROUGH 19 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS 9VAC25-840 SHALL APPLY TO THE PROJECT.
- THE OPERATOR SHALL BE RESPONSIBLE TO REGISTER FOR CONSTRUCTION GENERAL PERMIT (CGP) COVERAGE, AS APPLICABLE, IN ACCORDANCE WITH THE GENERAL VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM (VPDES) PERMIT FOR DISCHARGE OF STORMWATER FROM CONSTRUCTION ACTIVITIES (VARIO) CHAPTER 800. THE VSM REGULATIONS CHAPTER 870; AND IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE VSM, THE STATE WATER CONTROL BOARD, THE VIRGINIA DEQ, CHAPTER 8 OF THE COUNTY CODE, AND THE LOCAL VESP/VSM AUTHORITY.
- THE OPERATOR SHALL PROVIDE THE NAME OF AN INDIVIDUAL HOLDING A VALID RESPONSIBLE LAND DISTURBER (RLD) CERTIFICATE ISSUED BY DEQ SIGNIFYING WHO IS RESPONSIBLE FOR CARRYING OUT THE LAND-DISTURBING ACTIVITY IN ACCORDANCE WITH THE APPROVED E&S PLAN. THE RLD MUST BE DESIGNATED ON THE E&S PLAN OR PERMIT AS A PREREQUISITE FOR ENGAGING IN LAND DISTURBANCE. THE RLD IS REQUIRED TO ATTEND THE PRE-CONSTRUCTION MEETING FOR THE PROJECT.
- A PRE-CONSTRUCTION MEETING SHALL BE HELD ON-SITE AND INCLUDE REPRESENTATIVES FROM THE LOCAL VESP/VSM AUTHORITY, THE OPERATOR, THE RLD, THE CONTRACTOR, ENGINEER, AND OTHER RESPONSIBLE AGENCIES, AS APPLICABLE, PRIOR TO AUTHORIZATION AND ISSUANCE OF A LOCAL LAND DISTURBING OR STORMWATER CONSTRUCTION PERMIT. THE OPERATOR IS REQUIRED TO COORDINATE SCHEDULING OF THE PRE-CONSTRUCTION MEETING WITH THE JAMES CITY COUNTY (JCC) SRP DIVISION.
- A POLLUTION PREVENTION PLAN (P2 PLAN), IF REQUIRED, SHALL BE DEVELOPED, IMPLEMENTED, AND UPDATED AS NECESSARY AND MUST DETAIL THE DESIGN, INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS AS SPECIFIED IN 9VAC25-870-56. THIS PLAN SHALL BE AVAILABLE ON-SITE FOR REVIEW AT REASONABLE TIMES BY THE LOCAL VESP/VSM AUTHORITY WHEN REQUESTED.
- OFF-SITE AREAS SHALL BE APPROVED BY THE LOCAL VESP/VSM AUTHORITY PRIOR TO LAND DISTURBING ACTIVITY AT THE SEPARATE LOCATION. OFF-SITE AREAS SHALL BE INCLUDED AS PART OF THE PROPOSED LAND DISTURBING ACTIVITY OR COVERED BY A SEPARATE APPROVED E&S PLAN.
- TEMPORARY SOIL STOCKPILES SHALL COMPLY WITH THE PROVISIONS OF SECTION 24-46 OF THE COUNTY CODE.
- LOCAL VESP/VSM AUTHORITY WRITTEN APPROVAL SHALL BE REQUIRED PRIOR TO DEVIATIONS FROM THE APPROVED EROSION AND SEDIMENT MEASURES, SEQUENCE OF CONSTRUCTION, OR STORMWATER MANAGEMENT PLAN. SIGNIFICANT DEVIATIONS FROM THE APPROVED PLAN MAY REQUIRE THE SUBMITTAL OF AN AMENDED PLAN FOR REVIEW AND APPROVAL.
- PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR. IRRIGATION, IF NECESSARY, SHALL COMPLY WITH ALL APPLICABLE SEASONAL WATER USE RESTRICTIONS OF THE JAMES CITY COUNTY AUTHORITY.
- FOR THE PURPOSES OF BOND REDUCTIONS OR RELEASES, FINAL STABILIZATION WILL BE DEFINED AS THE COMPLETION OF ALL SOIL DISTURBING ACTIVITIES AT THE SITE AND THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM (E.G. EVENLY DISTRIBUTED), MATURE ENOUGH TO SURVIVE, AND WILL INHIBIT EROSION.
- DESIGN AND CONSTRUCTION OF PRIVATE STORM DRAINAGE SYSTEMS, OUTSIDE OF ANY VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) RIGHT-OF-WAY, SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT VERSION OF THE COUNTY'S STORMWATER DRAINAGE CONVEYANCE SYSTEMS (NON-BMP RELATED) GENERAL DESIGN AND CONSTRUCTION GUIDELINES.
- RECORD DRAWINGS (AS-BUILTS) AND CONSTRUCTION CERTIFICATIONS ARE REQUIRED FOR ALL APPLICABLE STORMWATER FACILITIES, INCLUDING STORMWATER MANAGEMENT/BMP FACILITIES AND STORM DRAINAGE CONVEYANCE SYSTEMS. RECORD DRAWINGS AND CONSTRUCTION CERTIFICATIONS MUST MEET ESTABLISHED PROGRAM REQUIREMENTS OF THE COUNTY CODE AND THE VESP/VSM AUTHORITY.
- ALL STORMWATER FACILITIES INCLUDING BMPs, STORM DRAINAGE PIPES, STORMWATER CONVEYANCES, INLETS, MANHOLES, OUTFALLS, AND ROADSIDE AND OTHER OPEN CHANNELS SHALL BE INSPECTED BY THE LOCAL VESP/VSM AUTHORITY. THE OWNER, AND THE APPLICANT/OPERATOR/PERMITEE DESIGNATED GEOTECHNICAL ENGINEER FOR THE PROJECT IN ACCORDANCE WITH THE ESTABLISHED COUNTY STORMWATER FACILITY INSPECTION PROGRAM REQUIREMENTS.
- THE FINAL PROJECT CERTIFICATION PROCESS SHALL INCLUDE AN INTERNAL CLOSED-CIRCUIT TELEVISION CAMERA (CCTV) POST INSTALLATION INSPECTION PERFORMED BY THE OWNER IN ACCORDANCE WITH THE JCC CIVIC ADMINISTRATIVE GUIDELINES DEVELOPED BY THE VSM AUTHORITY.

REVISED PER JAMES CITY COUNTY COMMENTS	DATE	BY
1	12/12/23	



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PLAN OF DEVELOPMENT FOR FITNESS CENTER PATIO ADDITION

JAMES CITY COUNTY, VIRGINIA

ROBERTS DISTRICT

Project Contacts: GVC  
Project Number: 7753-52  
Scale: Date: 08/11/2023  
Sheet Title: NOTES & DETAILS  
Sheet Number: C4.0

202402796

Large/Small Plat(s) Recorded herewith as # 202402796

City of Williamsburg & County of James City  
Circuit Court: This PLAT was recorded on 08-29-2024 at 12:44 AM EDT  
Document # 202402796  
ELIZABETH E. O'CONNOR, CLERK  
Elizabeth E. O'Connor, Clerk