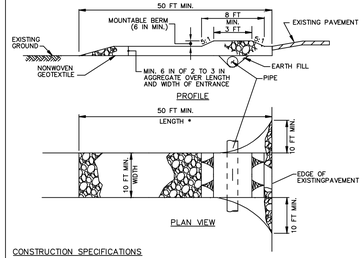
DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL: SCE



CONSTRUCTION SPECIFICATIONS

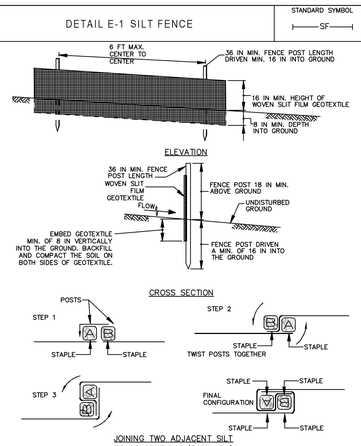
1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*50 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
2. 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 TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
4. 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.
5. 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.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-1 SILT FENCE

STANDARD SYMBOL: SF



1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-1 SILT FENCE

STANDARD SYMBOL: SF

CONSTRUCTION SPECIFICATIONS

1. USE WOOD POSTS 1½ x 1½ ± ¾ INCH (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 1 POUND PER LINEAR FOOT.
2. 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.
4. 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.
5. 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.
7. EXTEND BOTH ENDS OF THE 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 OF THE SILT FENCE.
8. 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.

2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

SOIL CONSERVATION GENERAL NOTES

1. APPROVAL BY THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF THE INSTALLATION OF THE PERIMETER EROSION CONTROLS AND BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
2. APPROVAL SHALL BE REQUESTED UPON FINAL STABILIZATION OF ALL SITES BEFORE REMOVAL OF SEDIMENT CONTROLS.
3. SPECIFICATIONS FOR EROSION CONTROL PRACTICES SHALL BE THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
4. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
   A) THREE CALENDAR DAYS FOR ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND
   B) SEVEN DAYS AS TO ALL DISTURBED OR GRADED AREAS IN THE PROJECT SITE.
5. TEMPORARY SEEDING SCHEDULE:

TEMPORARY SEEDING SUMMARY

HARDINESS ZONE 7A FROM TABLE B.1					FERTILIZER RATE (10-20-20)	LIME RATE
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS		
1	BARLEY	96	2/15 – 4/30 8/15 – 11/30	1/4" – 1/2"	436 LB/AC (10 LB/1000 SF)	2 TONS/AC (90 LB/1000 SF)
2	OATS	72	2/15 – 4/30 8/15 – 11/30	1/4" – 1/2"		
3	CEREAL RYE	112	2/15 – 4/30 8/15 – 12/15	1/4" – 1/2"		

NOTE: USE OF THIS INFORMATION DOES NOT PRECLUDE MEETING ALL OF THE REQUIREMENTS OF THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL VEGETATIVE PRACTICES.

6. PERMANENT SEEDING SCHEDULE:

PERMANENT SEEDING SUMMARY

SEED MIXTURE (HARDINESS ZONE 7A)				FERTILIZER RATE			LIME RATE
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS	N	P_2O_5	K_2O	
1	COASTAL PANIC GRASS CREEPING RED FESCUE PARTRIDGE PEA	10 15 2	3/1-5/15 8/15-9/15	1/4" – 1/2"	(1 LB/1000 SF) 45 LB/AC	(2 LB/1000 SF) 90 LB/AC	(2 LB/1000 SF) 90 LB/AC	2 TONS/AC (90 LB/1000 SF)

** OTHER MIXES MAY BE USED AS RECOMMENDED BY THE SOIL CONSERVATION DISTRICT.

UTILITY INSTALLATION NOTES

ALL TRENCHES OR HOLES CREATED FOR UTILITY INSTALLATION SHALL BE BACKFILLED, COMPACTED, AND STABILIZED AT THE END OF EACH WORKING DAY. EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH OR HOLE. NO MORE TRENCH/HOLE SHALL BE OPENED THAN CAN BE STABILIZED THE SAME DAY. IF AN AREA MUST BE LEFT UNSTABILIZED OVERNIGHT, SILT FENCE WILL BE PLACED IMMEDIATELY DOWNSTREAM OF ALL DISTURBED AREAS AND STOCKPILES, AND APPROPRIATE SAFETY MEASURES WILL BE INSTALLED AS REQUIRED. IF TRENCHING IS DONE AT 3:1 SLOPES OR GREATER, DISTURBED AREA TO BE STABILIZED WITH EROSION CONTROL MATTING.

SEQUENCE OF CONSTRUCTION

PHASE 1 THE CONTRACTOR SHALL NOTIFY THE SOIL CONSERVATION DISTRICT OFFICE FOR A PRE-CONSTRUCTION MEETING AT LEAST FIVE (5) DAYS BEFORE THE DATE OF THE PRE-CONSTRUCTION MEETING AT 301-475-8402 EXT 3. THE CONTRACTOR SHALL NOTIFY MDE, ENFORCEMENT DIVISION AT 410-537-3510 OR MDE, SEDIMENT STORMWATER ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230 AT LEAST 48 HOURS PRIOR TO COMMENCING CLEARING AND GRUBBING AND ONCE THE PRE-CONSTRUCTION MEETING HAS BEEN HELD WITH ST. MARY'S SOIL CONSERVATION DISTRICT.

PHASE 2 INSTALL STABILIZED CONSTRUCTION ENTRANCE, CLEAR AND GRUB AREAS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL ALL PERIMETER CONTROLS (SILT FENCE), 17"x13" CMPA PER DETAIL SHOWN HEREON. NOTIFY MDE INSPECTOR AT 410-537-3510 ONCE PERIMETER CONTROLS HAVE BEEN INSTALLED.

PHASE 3 REMAINING CLEARING AND GRUBBING. ROUGH GRADING OF SITE FOR DRIVEWAY, BUILDING CONSTRUCTION.

PHASE 4 FINAL GRADING AND CONSTRUCTION OF DRIVEWAY, BUILDING, SEPTIC SYSTEM AND WELL. PERMANENTLY STABILIZE DISTURBED AREAS WITH A MINIMUM 4" OF TOPSOIL, SEED AND MULCH.

PHASE 5 REMOVE ALL TEMPORARY SEDIMENT CONTROLS UPON APPROVAL BY MDE INSPECTING AUTHORITY AND PERMANENTLY STABILIZE THE SEDIMENT CONTROL AREAS WITH A MINIMUM 4" OF TOPSOIL, SEED AND MULCH. PERMANENT DIVERSION BERM TO REMAIN.

CONSTRUCTION TIMING

PHASE 1. ONE DAY
PHASE 2. ONE (1) DAY TO TWO (2) DAYS
PHASE 3. ONE (1) DAY TO TWO (2) DAYS
PHASE 4. FOUR (4) MONTHS TO SIX (6) MONTHS
PHASE 5. ONE (1) DAY TO TWO (2) DAYS

DEVELOPER'S CERTIFICATION

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN CONSTRUCTION OF THIS PROJECT HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION.

SEMCO HOME IMPROVEMENTS INC. — DATE

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH APPROVED EROSION AND SEDIMENT CONTROL ORDINANCES, REGULATIONS, STANDARDS AND CRITERIA.

JEFFREY T. NIEMAN, L.S. — DATE
MD LICENSE #21553
EXPIRES 1/4/24

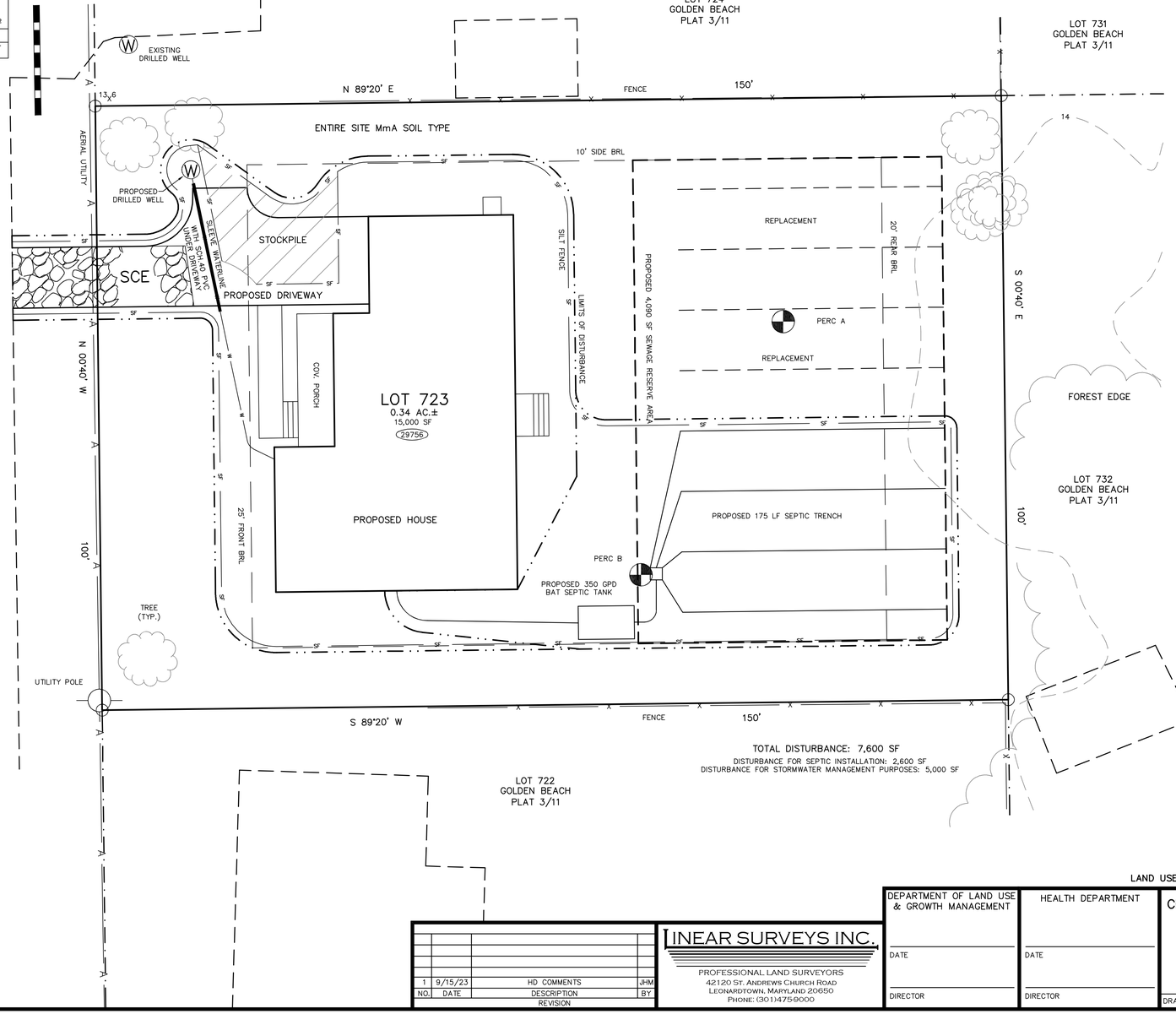
SCD INFORMATION BLOCK

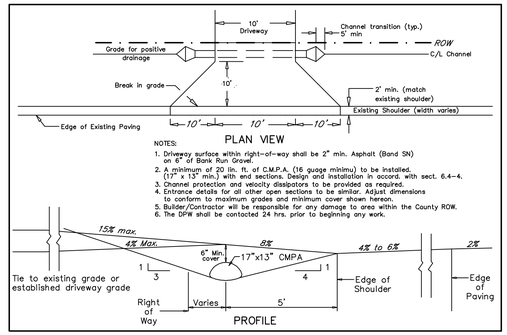
OWNER/DEVELOPER:
SEMCO HOME IMPROVEMENTS INC.
46634 MARSHFIELD LANE
PARK HALL, MARYLAND, 20667
301-663-1962

TOPOGRAPHY: FIELD LOCATED BY LINEAR SURVEYS INC.

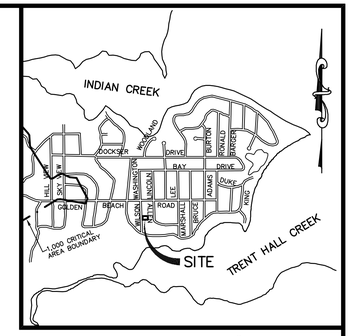
DISTURBED AREA = 7,600 SF
IMPERVIOUS AREAS = 5,945 SF
AREA TO BE VEGETIVELY STABILIZED = 1,655 SF
TOTAL FOREST CLEARED = 0 SF
EARTH CUT = 50 CY
EARTH FILL = 50 CY

ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF DETERMINING PERMITTING REQUIREMENTS. SINCE FINAL EARTHWORK QUANTITIES ARE BASED ON MANY VARIABLE CONDITIONS WHICH THE ENGINEER HAS NO CONTROL, INCLUDING VARIABILITY OF SOILS, ALLOWABLE SURVEY AND CONSTRUCTION TOLERANCES, AND COMPACTION RATES, THE ENGINEER CANNOT GUARANTEE THE ACCURACY OF THE ESTIMATES FOR FINAL CONSTRUCTION. THE OWNER/DEVELOPER SHOULD REQUIRE THE CONTRACTOR TO PROVIDE THEIR OWN ESTIMATES OF THE QUANTITIES IN THEIR RESPECTIVE BIDS.





TYPICAL R/16 DRIVEWAY ENTRANCE



VICINITY MAP – SCALE: 1"=2,000

GENERAL NOTES

1. THIS SITE IS LOCATED ON TAX MAP 5A, GRID 6, PARCEL 338.
2. PRESENT ZONING: RNC
3. BUILDING RESTRICTION LINES SHALL BE AS SHOWN HEREON. THE BUILDING RESTRICTION LINES ARE MAPPED IN ACCORDANCE WITH THE ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE 10-02 CHAPTER 32.3.2 AND SCHEDULE 32.1 FOR ZONE RPD AS FOLLOWS: 25' FRONT, 10' SIDE, AND 20' REAR APPLIED FROM THE MORE RESTRICTIVE OF THE LOT LINES OR FROM SENSITIVE AREAS MAPPED PER CZO 10-02 CHAPTER 71.
4. WATER SUPPLY SHALL BE FROM AN INDIVIDUAL DEEP DRILLED WELL TO AN APPROVED CONFINED AQUIFER.
5. BEST AVAILABLE TECHNOLOGY FOR NITROGEN REMOVAL (BAT) AS APPROVED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT IS REQUIRED FOR THE ON-SITE SEWAGE DISPOSAL SYSTEM. SEPTIC SYSTEM IS DESIGNED FOR 350 GPD. THE PROPERTY OWNER SHALL MAINTAIN AND OPERATE ALL NEW AND EXISTING BAT SYSTEMS FOR THE LIFE OF THE SYSTEM.
6. THIS HEALTH DEPARTMENT APPROVAL CERTIFIES THAT THE LOTS SHOWN HEREIN ARE IN CONSONANCE WITH PERTINENT HEALTH DEPARTMENT LAWS AND REGULATIONS AS OF THE APPROVAL DATE; HOWEVER, THIS APPROVAL IS SUBJECT TO CHANGES IN SUCH LAWS AND REGULATIONS. CHANGES IN TOPOGRAPHY OR SITE DESIGNATIONS MAY VOID THIS APPROVAL. THE DESIGNATED PERC AREAS ARE THE ONLY PERC AREAS APPROVED BY THE ST. MARY'S COUNTY HEALTH DEPARTMENT FOR SEWAGE DISPOSAL PURPOSES. THE APPROVED LOTS INCLUDE AN APPROVED AREA OF AT LEAST 4,090 SQUARE FEET FOR SEWAGE DISPOSAL PURPOSES AS REQUIRED BY CURRENT MARYLAND STATE HEALTH DEPARTMENT LAW. IMPROVEMENTS OF ANY NATURE INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF OTHER UTILITY LINES IN THIS AREA MAY RENDER THE LOTS UNDEVELOPABLE. TO DETERMINE THE EXACT AREAS OF THE LOTS APPROVED FOR SEWAGE DISPOSAL PURPOSES OR TO ESTABLISH A DIFFERENT AREA FOR SUCH PURPOSES, YOU SHOULD CONTACT THE ST. MARY'S COUNTY HEALTH DEPARTMENT OFFICE OF ENVIRONMENTAL HEALTH. ALL UTILITY LINES SHALL BE LOCATED OUTSIDE THE HEALTH DEPARTMENT APPROVED SEWAGE EASEMENT AND NO OTHER EASEMENT MAY HINDER ACCESS TO IT.
7. THERE ARE NO EXISTING WELLS OR SEWAGE EASEMENTS WITHIN 100' OF THE PROPOSED WELLS OR SEWAGE EASEMENTS, UNLESS OTHERWISE SHOWN.
8. PRESENT SEWER CATEGORY: NPS (NO PLANNED SERVICE)
   PRESENT WATER CATEGORY: NPS (NO PLANNED SERVICE)
9. THIS BUILDING PERMIT SITE PLAN IS IN COMPLIANCE WITH THE ST. MARY'S COUNTY COMPREHENSIVE WATER AND SEWER PLAN.
10. THIS BUILDING PERMIT SITE PLAN & SEWAGE EASEMENT PLAT IS IN COMPLIANCE WITH THE ST. MARY'S COUNTY COUNTY COMPREHENSIVE WATER AND SEWER PLAN.
11. LIMIT OF DISTURBANCE FOR SEPTIC SYSTEM CONSTRUCTION SUBTRACTED FROM SITE DISTURBANCE PER SECTION 3.3.1.e OF THE ST. MARY'S COUNTY STORMWATER MANAGEMENT, GRADING, EROSION AND SEDIMENT CONTROL ORDINANCE. AREA FOR SEPTIC SYSTEM CONSTRUCTION TO BE RE-VEGETATED.
12. SUBJECT PROPERTY APPEARS TO BE IN FLOOD HAZARD ZONE "X" AS DELINEATED ON FLOOD INSURANCE RATE MAPS FOR ST. MARY'S COUNTY, MARYLAND, AS DISTRIBUTED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, COMMUNITY PANEL NUMBER 24037C0081F, EFFECTIVE DATE NOVEMBER 19TH, 2014.
13. THIS LOT WILL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE AWAY FROM THE FOUNDATION WILL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET.
    THIS SITE IS EXEMPT FROM THE FOREST CONSERVATION ACT PER SECTION 75.2.2.b. OF THE ST. MARY'S COMPREHENSIVE ZONING ORDINANCE AND A DECLARATION OF INTENT SHALL BE FILED WITH THE DEPARTMENT OF LAND USE AND GROWTH MANAGEMENT.

CRITICAL AREA NOTES

1. THE CRITICAL AREA BUFFER MUST REMAIN IN NATURAL VEGETATION AND MAY NOT BE DISTURBED EXCEPT AS PROVIDED UNDER CHAPTER 71, SECTION 8 (HABITAT PROTECTION STANDARDS) OF THE ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE (10-02, AS AMENDED).
2. NO DEVELOPMENT IS PERMITTED IN WETLANDS WITHOUT APPROVAL FROM THE APPROPRIATE LOCAL, STATE, AND FEDERAL AGENCIES. THIS SITE HAS NOT BEEN FIELD EVALUATED FOR TIDAL OR NON-TIDAL WETLANDS.
3. ALL EXISTING FOREST SHOWN HEREON SHALL REMAIN UNDISTURBED EXCEPT AS PERMITTED UNDER THE PROVISIONS OF CHAPTER 72 (FOREST AND WOODLAND RESOURCES, IN THE CRITICAL AREA) OF THE ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE. ANY AND ALL AFFORESTED OR REFORESTED AREA CREATED UNDER THE PROVISIONS OF THE ST. MARY'S COUNTY CRITICAL AREA ORDINANCE AND DESIGNATED ON THIS PLAT SHALL BE PRESERVED FROM FUTURE DISTURBANCE.
4. LOCATIONS OF NATURAL HERITAGE AREAS, HABITATS OF THREATENED OR ENDANGERED SPECIES, AND HABITATS OF SIGNIFICANT PLANTS OR WILDLIFE ARE IDENTIFIED ON THIS PLAT IN ACCORDANCE WITH SECTION 71.8 OF THE ST. MARY'S COUNTY COMPREHENSIVE ZONING ORDINANCE.
5. EXISTING LOT COVERAGE WITHIN 100 FOOT CRITICAL AREA BUFFER IS 0 SQ. FT.
6. AREA OF SLOPES 15% OR GREATER IS 0 SQ. FT.
7. EXISTING TREES OR FORESTED AREA IS 2,800 SQ. FT.
8. AREA OF EXISTING LOT COVERAGE IS 0 SQ. FT.
9. PROPOSED AREAS OF VEGETATION CLEARING IS 0 SQ. FT.
10. PROPOSED AREAS OF SOIL DISTURBANCE IS 7,600 SQ. FT.
11. PROPOSED AREAS OF LOT COVERAGE IS 2,945 SQ. FT.
12. REQUIRED AREAS OF REFORESTATION OR AFFORESTATION IS 0 SQ. FT.

LAND USE AND GROWTH MANAGEMENT CONTROL NO: SFDD23-1658

NO.	DATE	DESCRIPTION	BY
		REVISION	
1	9/15/23	HD COMMENTS	JHM

LINEAR SURVEYS INC.
PROFESSIONAL LAND SURVEYORS
42120 ST. ANDREWS CHURCH ROAD
LEONARDTOWN, MARYLAND 20650
PHONE: (301)475-9000

DEPARTMENT OF LAND USE & GROWTH MANAGEMENT
DATE
DIRECTOR

HEALTH DEPARTMENT
DATE
DIRECTOR

CRITICAL AREA BUILDING PERMIT SITE PLAN
LOT 723 – SECTION 2
GOLDEN ACRES
PLAT 3/11
FIFTH ELECTION DISTRICT
ST. MARY'S COUNTY, MARYLAND

DRAWING: 05A(2-723)SP | DATE: 7/27/23 | SCALE: 1"=10' | SHEET 1 OF 1