PLAN CERTIFICATION

I CERTIFY THAT I AM QUALIFIED TO EDITION STORM WATER MANAGEMENT AND GRADING PLANS AND THAT THE SITE GRADING AS SHOWN HEREON DOES NOT INVOLVE THE REDIRECTION OF STORM WATER RUNOFF OFF THE SITE OR CONCENTRATE THE RELEASE OF STORM WATER RUNOFF IN AN OFF-SITE AREA THAT PREVIOUSLY RECEIVED NON-CONCENTRATED FLOW. THE GRADING AND STORM WATER MANAGEMENT STRATEGIES SHOWN HEREON MEET OR EXCEED THE REQUIREMENTS CONTAINED WITHIN THE CECIL COUNTY STORM WATER MANAGEMENT AND SOIL EROSION AND SEDIMENT CONTROL ORDINANCES. IF THE PROJECT SITE IS INCLUDED IN A CURRENTLY APPROVED AND VALID STORM WATER MANAGEMENT AND/OR EROSION AND SEDIMENT CONTROL PLAN, THE BEST MANAGEMENT PRACTICES AND STRATEGIES UTILIZED ON THIS LOT GRADING PLAN ARE CONSISTENT WITH, AND MEET THE INTENT OF THOSE PLANS.

GREGORY VAN STEWART — 21245
PRINT NAME — SIGNATURE — LICENSE No. — DATE

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE No. 21245, EXPIRATION DATE: 1/23/2027

OWNER / DEVELOPER CERTIFICATION

I HEREBY CERTIFY THAT ALL LAND CLEARING, CONSTRUCTION, DEVELOPMENT AND GRADING WILL BE DONE PURSUANT TO THIS PLAN. I UNDERSTAND THAT NO WORK WILL BE INITIATED AT THE SITE UNTIL A PRECONSTRUCTION MEETING HAS BEEN HELD WITH THE DEPARTMENT OF PUBLIC WORKS OFFICIALS. I ALSO UNDERSTAND THAT IT IS MY RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND REVIEWED, INCLUDING SUBMITTAL OF AN AS-BUILT PLAN, BY A REGISTERED PROFESSIONAL ENGINEER PRIOR TO A FINAL GRADING INSPECTION OR APPROVAL OF THE CERTIFICATE OF OCCUPANCY.

COMPANY
PRINT NAME — SIGNATURE — DATE

LEGEND

- EX. CONTOURS
- PR. CONTOURS
- EX. TREE LINE
- PR. TREE LINE
- EX. BUILDINGS
- PR. BUILDINGS
- PR. STORMDRAIN
- BOUNDARY LINE
- LOT LINE
- SEWER SERVICE
- WATER SERVICE
- ROOF LEADER

STANDARD SYMBOLS

EARTH DIKE
SWALE
PERIMETER DIKE/SWALE
PIPE SLOPE DRAIN
ROCK OUTLET PROTECTION
STONE CHECK DAM
STONE OUTLET STRUCTURE
SILT FENCE
SUPER SILT FENCE
STRAW BALE DIKE
STANDARD INLET PROTECTION
AT GRADE INLET PROTECTION
CURB INLET PROTECTION
STANDARD INLET PROTECTION
GABION INFLOW PROTECTION
RIP-RAP INFLOW PROTECTION
SUMP PIT
STABILIZED CONSTRUCTION ENTRANCE
REMOVABLE PUMPING STATION

US DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

ESDv DATA

ON-SITE STORMWATER MANAGEMENT PRACTICES

DRAINAGE AREA	AREA	MAX. ALLOWED CREDIT	SWM PRACTICE	TREATMENT	PE IN	ESDv PROV.
DRAINAGE AREA 1 (DA1)	1,052 SQ. FT.	(1,000)(0.95)(2.69)/12 = 213 CF	DOUBLE DRYWELL #1	(12)(0)(5)(0.40)=216 CF	2.69	213 C.F.
DRAINAGE AREA 2 (DA2)	1,000 SQ. FT.	(1,000)(0.95)(2.69)/12 = 213 CF	DOUBLE DRYWELL #2	(12)(0)(5)(0.40)=216 CF	2.69	213 C.F.
DRAINAGE AREA 3 (DA3)	936 SQ. FT.	(936)(0.95)(2.69)/12 = 199 CF	DOUBLE DRYWELL #3	(12)(0)(5)(0.40)=216 CF	2.69	199 C.F.
DRAINAGE AREA 4 (DA4)	936 SQ. FT.	(936)(0.95)(2.69)/12 = 199 CF	DOUBLE DRYWELL #3	(12)(0)(5)(0.40)=216 CF	2.69	199 C.F.

TOTAL PROVIDED 824 C.F.
TARGET REQUIRED (1.8 PE) 781 C.F.
MIN. REQUIRED (1.0 PE) 434 C.F.
PE PROVIDED = 1.9"

REQUIRED STORM WATER MANAGEMENT VOLUME COMPUTATIONS

$\frac{AREA * Pe * PE}{12}$ = CUBIC FEET OF STORAGE REQUIRED

$\frac{11,000 * 0.473 * 1.8}{12}$ = 781 CF

UNIFIED SIZING CRITERIA

TARGET Pe (WQv)	1.00"
REQUIRED ESDv	781 CF
MIN REQ (ESDv (Pe = 1.0")	434 CF
PROVIDED Pe	1.90"
ESDv PROVIDED	824 CF
RECHARGE VOL REQ (Rev)	113 CF
RECHARGE VOL PROVIDED (Rev)	214 CF

NOTE 1: SINCE ESDv HAS BEEN MET FOR THE SITE, Rev HAS BEEN PROVIDED FOR

NOTES:

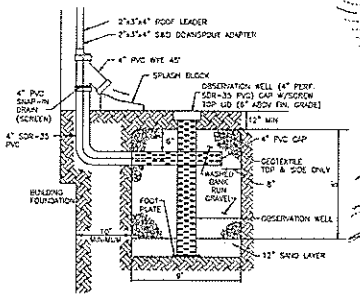
- CECIL COUNTY DEPARTMENT OF PUBLIC WORKS SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. CONTACT STORMWATER MANAGEMENT INSPECTIONS AT 410-996-5260 OR 410-996-5267
- AT A MINIMUM, EACH STORMWATER MANAGEMENT DEVICE SHALL BE INSPECTED. INSPECTIONS SHALL BE MADE BY A PROFESSIONAL (LICENSED IN THE STATE OF MARYLAND) ENGINEER, PROFESSIONAL LAND SURVEYOR OR, WHERE ALLOWED, BY A REGISTERED LANDSCAPE ARCHITECT.
- DRIVEWAY ENTRANCE MUST BE PAVED TO COUNTY RIGHT-OF-WAY, OR CREST OF HILL

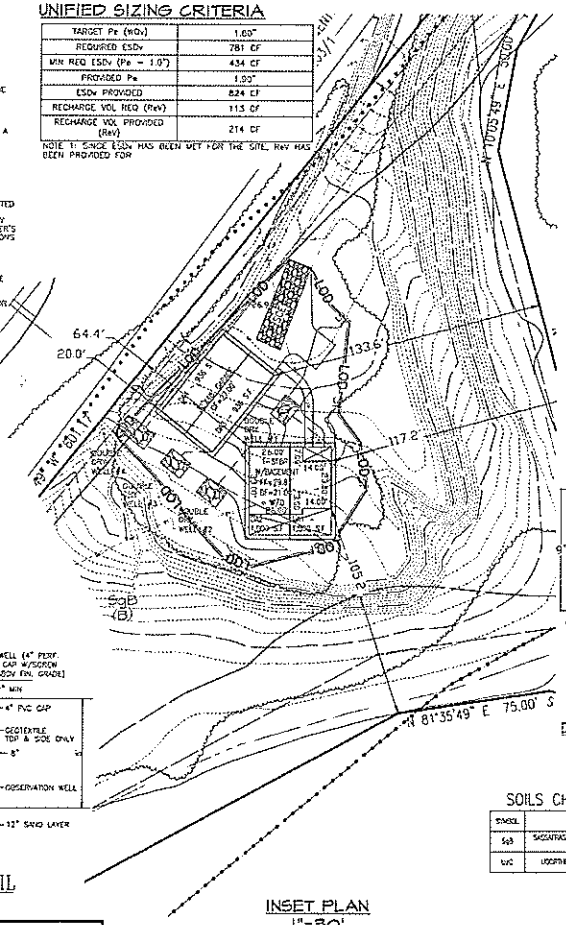
THE CORRECTNESS OR COMPLETENESS OF EXISTING INFORMATION SHOWN ON THE DRAWINGS IS NOT WARRANTED OR GUARANTEED. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UTILITIES AND UNDERGROUND FACILITIES, BY TEST PITS OR OTHER METHODS APPROVED BY THE OWNER'S REPRESENTATIVE, AS REQUIRED TO VERIFY EXACT LOCATIONS AND DEPTHS WITHIN THE LIMIT OF DISTURBANCE. ALL DISCREPANCIES BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND THAT VERIFIED IN THE FIELD SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK. ALL UNDERGROUND UTILITIES SHALL BE PROTECTED AT THE CONTRACTOR'S EXPENSE

DRIVEWAY MUST BE PAVED TO COUNTY RIGHT-OF-WAY OR CREST OF HILL IF GRADE IS GREATER THAN 5%

DRYWELL MAINTENANCE SCHEDULE

1. DRY WELLS SHALL BE INSPECTED AND CLEANED ANNUALLY BY HOMEOWNER.
   A. VISUAL INSPECTION OF PIPES, GUTTERS AND DOWNSPOUTS
   B. CLEAN OR REPLACE ALL FILTERS.
   C. VISUAL INSPECTION OF OBSERVATION WELL TO DETERMINE
   PONDING, STANDING WATER, OR ALGAE GROWTH ON THE TOP OF A DRY WELL
2. IF WATER PONDS FOR MORE THAN 48 HOURS AFTER A MAJOR STORM OR MORE THAN SIX INCHES OF SEDIMENT HAS ACCUMULATED, THE GRAVEL MEDIA SHOULD BE EXCAVATED AND REPLACED.



DRY WELL DETAIL

NOT TO SCALE
***ROOF DRAINS NEED TO BE PVC SDR-35 PIPE