







DRETENTION AND RAIN GARDENS (NYSDEC SMDM F-5 & 5.3.7) TORMWATER FILTERING SYSTEMS CAPTURE AND TEMPORARILY STORE THE WATER QUALITY
PECIFIED AS A STANDARD PRACTICE IN THE "NEW YORK STATE STORMWATER MANAGEMENT ESIGN MANUAL," A BIORETENTION AREA IS A SHALLOW STORMWATER BASIN OR ANDSCAPED AREA THAT TREATS STORMWATER AS IT FLOWS THROUGH PLANTS AND A OIL MATRIX. ANY REMAINING STORMWATER IS THEN RETURNED TO THE STORM DRAIN YSTEM. THE PRACTICE IS OFTEN LOCATED IN PARKING LOT ISLANDS, AND CAN ALSO BE SED TO TREAT OTHER AREAS.
ANDSCAPING: PLANTS FOR THE LANDSCAPING PLAN WILL BE CHOSEN FROM THE NATIVE LANT LIST IN APPENDIX H OF THE "NYS STORMWATER MANAGEMENT DESIGN MANUAL," A ST DEVELOPED BY APPLIED ECOLOGICAL SERVICES INC. IN A BROCHURE CALLED "BUILD DUR OWN RAIN GARDENS," AND/OR A PLANT LIST AVAILABLE THROUGH NATIVE ANDSCAPES IN PAWLING, NY.
AINTENANCE: TREATMENT AREA PLANTS AND COMPONENTS SHOULD BE REPAIRED OR EPLACED WHEN NEEDED. A 6 INCH STONE DROP SHOULD BE PROVIDED AND MAINTAINED T ANY PIPE INLET. MULCH SHOULD BE REPLACED ANNUALLY. FULL INSPECTIONS SHALL AKE PLACE YEARLY. FULL INSPECTIONS INVOLVE CHECKING ALL COMPONENTS OF THE IORETENTION AREA THOROUGHLY. IF A REPAIR IS NECESSARY, IT SHALL BE INITIATED IN A MELY FASHION. NO EQUIPMENT SHALL BE DRIVEN ON BIORETENTION OR RAIN GARDEN REA. HAND TOOLS ONLY.
OFTOP DISCONNECTION (NYSDEC SMDM 5.3.5)
ISCONNECTING ROOFTOPS IS ALLOWING THE RUNOFF FROM ROOFS TO FLOW OVERLAND TO FILTRATION OR INFILTRATION AREA. THIS ALLOWS FOR THE INITIAL TREATMENT PRIOR TO HE PRACTICE AND SLOWS DOWN THE RUNOFF RATE.
L RESTORATION (NYSDEC SMDM 5.1.6)
OIL RESTORATION IS REQUIRED WHERE SOILS HAVE BEEN DISTURBED AND WILL BE EGETATED. FOR THIS PROJECT, THE MAJORITY OF THE HEAVY TRAFFIC DISTURBANCE WILL E IN AREAS THAT WILL BE BUILDING OR PARKING AREA. MINIMAL SOIL DISTURBANCE WILL CCUR IN PROPOSED VEGETATED AREAS. THE COMMON PRACTICE IN PREPARING AN AREA OR LANDSCAPE IS TO LOOSEN THE SOIL AND APPLY TOPSOIL. THE NATIVE SOIL IN IORETENTION AREAS IS REMOVED AND REPLACED WITH ENHANCED SOIL. THE NEED FOR JLL SOIL RESTORATION IS NOT WARRANTED FOR THE DISTURBED, PROPOSED VEGETATED OF THE SCHERE RIPPING AND DE—COMPACTION AS OUTLINED IN THE NYSDEC TOPMWATER MANIMAL SECTION 5.1.6 MAY BE COMPACTION AS OUTLINED IN THE NYSDEC
TORMWATER MANUAL, SECTION 5.1.6, MAY BE ORDERED BY THE SITE ENGINEER.

S EACH DRIVEWAY SHALL BE PAVED AND MAINTAINED AS SHOWN ON THE SHALL BE REWORKED TO CONFORM, AND THAT CERTIFYING THE DRIVEWAY AND MAINTENANCE SHALL BE INCLUDED IN THE ANNUAL REPORT TO THE	
VEGETATED FILTER STRIPS (NYSDEC SMDM 5.3.2)	
TER STRIPS AND UNDISTURBED NATURAL AREAS ARE USED TO TREAT AND DFF. VEGETATED FILTER STRIPS ARE OFTEN MAINTAINED GRASS BUFFERS RVIOUS AREAS AND NATURAL AREAS.	
OR PLANT COVER CHOSEN FOR THE SOIL AND SUN EXPOSURE. NATURAL ACCEPTABLE.	
S AND DEAD PLANTS SHOULD BE RESEED OR REPLACED AS SOON AS EA OF EROSION SHOULD BE REPAIRED WHEN DISCOVERED. THE RILLS OR RM, METHODS OF SPREADING THE INFLOW TO RETURN TO SHEET FLOW SHOULD (VEGETATED FILTER STRIPS ARE PROPOSED FOR THIS PROJECT. LAWNS AREA WILL ACT AS FILTER STRIPS FOR ADDITIONAL PRETREATMENT BY	

?	ALGELYIED SMALE (NIBER SMOW 0:0:0)
	A VEGETATED SWALE IS AN OPEN, VEGETATED CHANNEL OR DEPRESSION EXPLICITLY DESIGNED TO DETAIN AND PROMOTE THE INFILTRATION OF STORMWATER RUNOFF INTO THE UNDERLYING SOILS. THE AMOUNT OF RUNOFF REDUCTION IS DEPENDENT TO THE UNDERLYING SOIL. FOR SYSTEMS IN HYDRAULIC SOIL GROUPS A AND B, A REDUCTION VALUE OF 20% MAY BE USED. C AND D SOILS ARE ALLOWED A 10% REDUCTION UNLESS THE SOIL IS MODIFIED. FOR MODIFIED C SOILS, A 15% REDUCTION IS ALLOWED. FOR MODIFIED D SOILS, A 12% REDUCTION IS ALLOWED.
	LANDSCAPING
	LANDSCAPING OF THE SWALE WILL INVOLVE GRASS SEEDING IN COMPLIANCE WITH THE STANDARDS OUTLINED ON THE EROSION AND SEDIMENT CONTROL PLAN FOR THIS SITE.
	CHECK DAMS
	WHERE SWALE SLOPES ARE GREATER THAN 4% OR WHERE ADDITIONAL DETENTION IS DESIRED, STONE CHECK DAMS CAN BE INSTALLED TO SLOW DOWN THE FLOW AND PROVIDE DETENTION. THIS WILL ALSO ALLOW FOR GREATER INFILTRATION AND TREATMENT. (NO CHECK DAMS PROPOSED FOR THIS PROJECT UNLESS ORDERED BY ENGINEER DURING CONSTRUCTION.)
	MAINTENANCE .
	SEDIMENT BUILD—UP WITHIN THE BOTTOM OF THE CHANNEL SHALL BE REMOVED WHEN SEDIMENT DEPTH REACHES 2 INCHES. VEGETATION SHOULD BE MOWED AS REQUIRED DURING THE GROWING SEASON TO MAINTAIN GRASS HEIGHTS BETWEEN 4 AND 6 INCHES. MOWING TO BE DONE BY LOT OWNER.
	FULL INSPECTIONS SHALL TAKE PLACE YEARLY. FULL INSPECTIONS INVOLVE CHECKING FOR SEDIMENT, EROSION, POOR VEGETATION GROWTH AND EXCESSIVE PONDING. IF A REPAIR IS NECESSARY, IT SHALL BE INITIATED IN A TIMELY FASHION. REMOVE SEDIMENT BUILD UP.
	SWALE ACROSS EACH DRIVEWAY SHALL BE PAVED AND MAINTAINED AS SHOWN ON THE

BERGER ENGINEERING AND SURVEYING 100 FULTON AVE. POUGHKEEPSIE N.Y. 12603 (845) 471 - 7383 bergereng@gmail.com AUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL (PLAN BEARING A PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF HE NEW YORK STATE EDUCATION LAW.



MYERS RUN
MYERS CORNERS ROAD
TOWN OF WAPPINGER NY

DETAILS FOR
EROSION CONTROL

RARILY STORES THE FLOW AND THI THE PERMEABLE BERM IS OFTEN FILTER STRIPS, RIPARIAN BUFFERS

DATE	REVISIONS	ВY	Date
05/30/21	revised drawings	JPB	
07/19/21 02/07/22	revised drawings revised drawings	JPB JPB	01/5/21
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