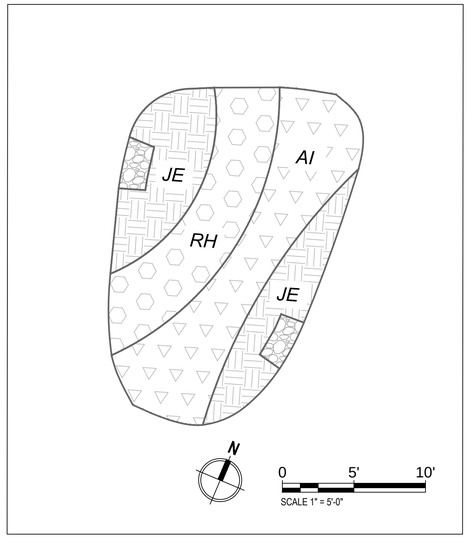
LOCATION MAP (N.T.S.)

PLANTING PLAN (N.T.S.)

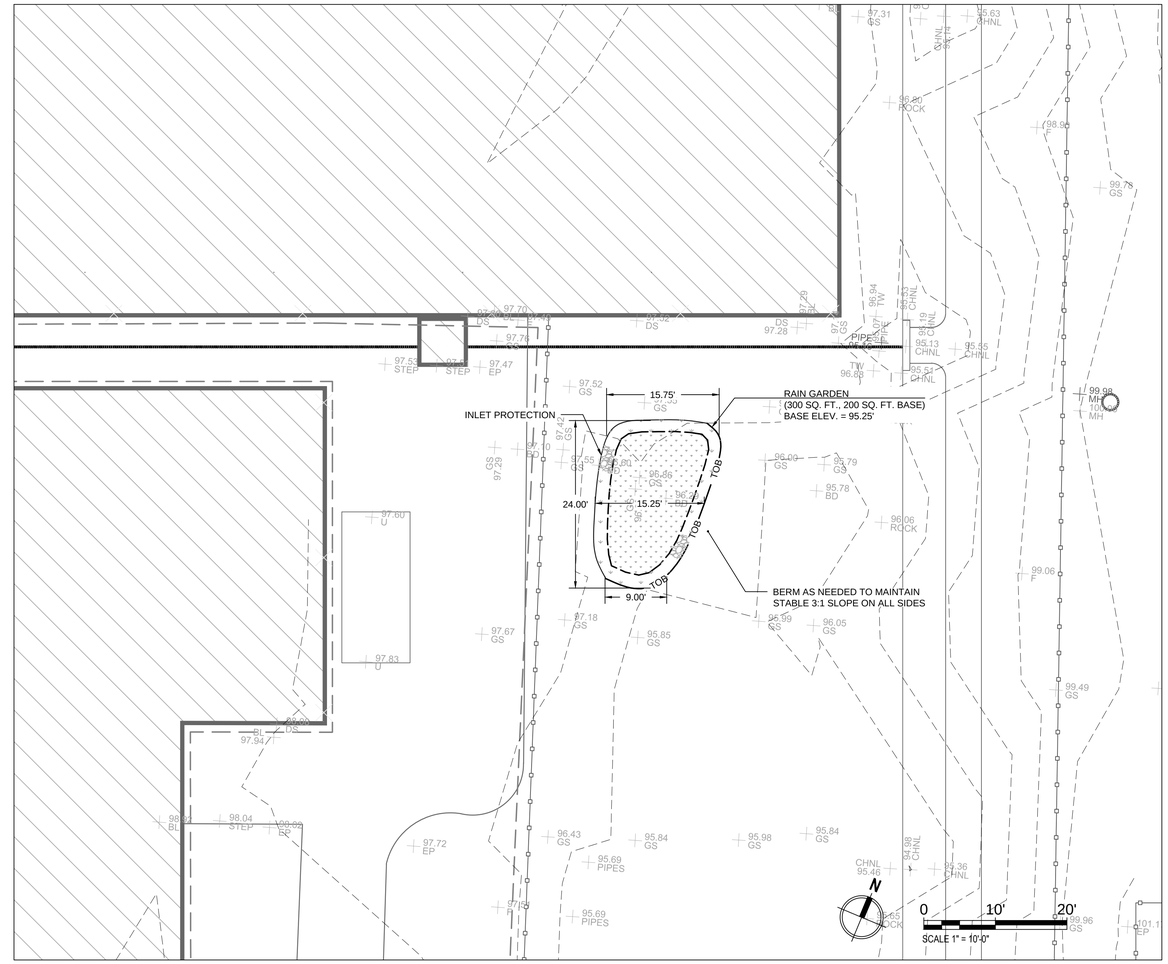


PLANTING SCHEDULE					
PLANT SPECIES				QUANTITY	SIZE
TYPE	KEY	BOTANICAL NAME	COMMON NAME		
RAIN GARDEN					
PERENNIALS	**AI**	*Asclepias incarnata*	SWAMP MILKWEED	15	1 GALLON
	JE	*Juncus effesus**	SOFT RUSH	20	1 GALLON
	RH	*Rudbeckia hirta*	BLACK EYED SUSAN	15	1 GALLON

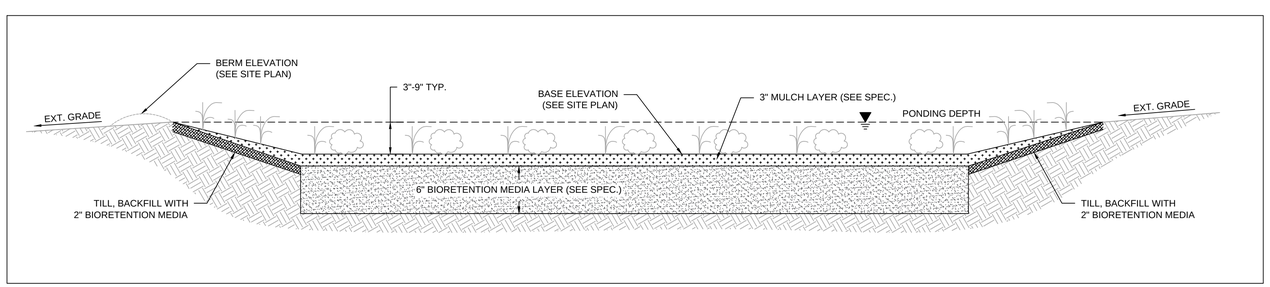
PLANTING NOTES:

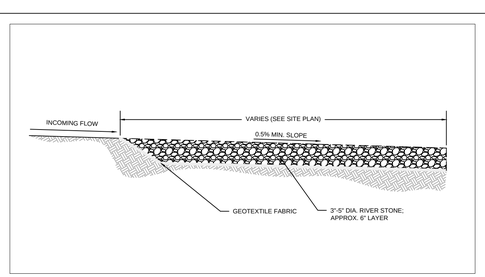
1. ALL PERENNIALS TO BE PLANTED 18" ON CENTER
2. PLANTS WERE SELECTED BASED ON THEIR USDA WETLAND INDICATOR STATUS (PLANTS.USDA.GOV) AND ARE INDIGENOUS TO THE NORTH EAST REGION
3. IF SPECIE(S) ARE UNAVAILABLE, PLEASE WORK WITH LOCAL NURSERY TO FIND SUITABLE ALTERNATIVE WET-SITE TOLERANT PLANTS

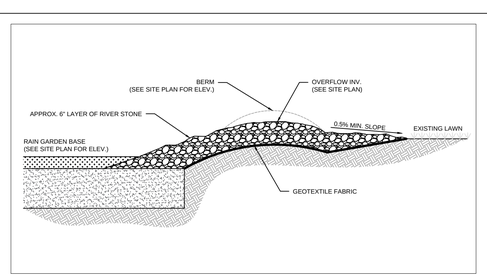
SITE PLAN



RAIN GARDEN DETAILS (N.T.S.)







CONSTRUCTION NOTES:

1. THE SUBGRADE OF THE RAIN GARDEN SHALL BE LEVEL TO ENSURE PROPER DRAINAGE. CONTRACTOR SHALL OBTAIN ENGINEER APPROVAL PRIOR TO BACKFILLING WITH 12" OF BIORETENTION MEDIA.
2. THE CONTRACTOR SHALL INSTALL OVERFLOW IF SPECIFIED IN SITE PLANS PRIOR TO BACKFILLING WITH BIORETENTION MEDIA.
3. THE BIORETENTION LAYER SHALL BE LEVEL TO ENSURE PROPER DRAINAGE. CONTRACTOR SHALL OBTAIN ENGINEER APPROVAL PRIOR TO SPREADING MULCH AND PLANTING.
4. INLET AND OUTLET PROTECTION SHALL BE UNDERLAIN WITH GEOTEXTILE FABRIC.
5. THE CONTRACTOR SHALL TILL THE BERM SECTION AND BACKFILL WITH TOPSOIL.
6. ALL DISTURBED AREAS EXCLUSIVE OF RAIN GARDEN AND SLOPED BERM SHALL BE RESTORED TO ORIGINAL CONDITIONS BY CONTRACTOR.
7. THE CONTRACTOR SHALL HAVE A PRE-CONSTRUCTION MEETING WITH THE PROJECT ENGINEER PRIOR TO ANY WORK ON SITE.
8. ALL ELEVATIONS ARE RELATIVE TO ASSUMED DATUM DRIVEWAY EDGE OF PAVEMENT (100.00').

SPECIFICATIONS:

1. THE APPROVAL OF MATERIALS AND MIXING OF SAND, COMPOST, AND SOIL SHALL BE DONE UNDER THE SUPERVISION OF THE PROJECT ENGINEER/LANDSCAPE ARCHITECT. BIORETENTION MEDIA SHALL CONSIST OF 70% SAND AND 30% COMPOST MIXTURE.
2. SAND SHALL AT THE MINIMUM CONFORM TO THE SIEVE ANALYSIS FOR CONCRETE AGGREGATE SAND (ASTM C-33). USGA TEE/GREEN SIEVE GRADATION MIX IS PREFERABLE WHERE AVAILABLE.
3. UNDERLYING SOILS SHALL BE TILLED/SCARIFIED PRIOR TO SPREADING/MIXING OF BIORETENTION MEDIA.
4. ALL BIORETENTION MEDIA SHALL BE PLACED FROM THE SIDES OF THE BUILDING, AND IN NO EVENT SHALL ANY TRACKED OR WHEELED EQUIPMENT BE PERMITTED TO CROSS THE RAIN GARDEN.
5. RAIN GARDEN SHALL BE CONSTRUCTED TO DIMENSIONS INDICATED ON THE SITE PLAN.
6. 3-5 INCH DELAWARE RIVER STONE SHALL BE USED FOR STONE CHANNEL AND INLET/OUTLET PROTECTION.
7. NON-DYED, TRIPLE-SHREDDED HARDWOOD MULCH SHALL BE USED.
8. PLANTING OF RAIN GARDEN AND SLOPED BERM SHALL BE COMPLETED AS INDICATED ON THE SITE PLAN.

DRAWN	CHECKED	APPROVED	DATE
EP	CP	CCO	05.01.18

REVISIONS		
No.	DATE	DESCRIPTION

THE WARDLAW-HARTRIDGE SCHOOL
DETENTION BASIN RETROFIT
DEMONSTRATION PROJECT
1295 INMAN AVENUE, EDISON
MIDDLESEX COUNTY, NJ
PROPOSED SITE PLAN

RUTGERS
New Jersey Agricultural Experiment Station

SHEET NAME
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