INLET PROTECTION

TOB

TOB

TOB

RAIN GARDEN (300 SQ. FT., 200 SQ. FT. BASE)

BASE ELEV. = 95.25’

BERM AS NEEDED TO MAINTAIN STABLE 3:1 SLOPE ON ALL SIDES

24.00’

15.25’

15.75’

9.00’

JE

JE

AI

RH

3”-9” TYP. BASE ELEVATION (SEE SITE PLAN)

3” MULCH LAYER (SEE SPEC.)

PONDING DEPTH

TILL, BACKFILL WITH 2” BIORETENTION MEDIA

TILL, BACKFILL WITH 2” BIORETENTION MEDIA

6” BIORETENTION MEDIA LAYER (SEE SPEC.)

BERM ELEVATION (SEE SITE PLAN)

EXT. GRADE

EXT. GRADE

3”-5” DIA. RIVER STONE; APPROX. 6” LAYER

GEOTEXTILE FABRIC

INCOMING FLOW VARIES (SEE SITE PLAN)

0.5% MIN. SLOPE

BERM (SEE SITE PLAN FOR ELEV.)

APPROX. 6” LAYER OF RIVER STONE

RAIN GARDEN BASE (SEE SITE PLAN FOR ELEV.)

OVERFLOW INV. (SEE SITE PLAN)

GEOTEXTILE FABRIC

0.5% MIN. SLOPE

EXISTING LAWN

REVISIONS

No. DATE DESCRIPTION

APPROVED

____________________________________

DATE _________________

N

0 10’ 20’

SCALE 1” = 10’-0”

SITE PLAN

SHEET NAME

P-1

THE WARDLAW-HARTRIDGE SCHOOL

DETENTION BASIN RETROFIT

DEMONSTRATION PROJECT

1295 INMAN AVENUE, EDISON

MIDDLESEX COUNTY, NJ

PROPOSED SITE PLAN

DATE 05.01.18

CHECKED CP

DRAWN EP

PLANTING PLANT (N.T.S.)

LOCATION MAP (N.T.S.)

PLANING PLAN (N.T.S.)

PLANTING SCHEDULE

<table>
<thead>
<tr>
<th>TYPE</th>
<th>KEY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>QUANTITY</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERENNIALS</td>
<td>AI</td>
<td>Asclepias incarnata</td>
<td>SWAMP MILKWEED</td>
<td>15</td>
<td>1 GALLON</td>
</tr>
<tr>
<td></td>
<td>JE</td>
<td>Juncus effesus*</td>
<td>SOFT RUSH</td>
<td>20</td>
<td>1 GALLON</td>
</tr>
<tr>
<td></td>
<td>RH</td>
<td>Rudbeckia hirta</td>
<td>BLACK EYED SUSAN</td>
<td>15</td>
<td>1 GALLON</td>
</tr>
</tbody>
</table>

PLANTING NOTES:

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

RAIN GARDEN DETAILS (N.T.S.)

PLANTING SCHEDULE

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 HOST 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:

2. UNDERLYING SOILS SHALL BE TILLED/SCARIFIED PRIOR TO SPREADING/MIXING OF BIORETENTION MEDIA.
3. RAIN GARDEN 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.
4. RAIN GARDEN SHALL BE CONSTRUCTED TO DIMENSIONS INDICATED ON THE SITE PLAN.
5. NON-DYED, TRIPLE-SHREDDED HARDWOOD MULCH SHALL BE USED. PLANTING OF RAIN GARDEN AND SLOPED BERM SHALL BE COMPLETED AS INDICATED ON THE SITE PLAN.