



EMBANKMENT GRANULAR BACKFILL MATERIAL
 All backfill material used shall be reasonably free (maximum of 0.1%) from organic and otherwise deleterious materials, and it shall be approved by the Engineer prior to use. The material shall conform to the following gradation limits:
 Gradation as determined by AASHTO T 27.

| SIEVE SIZE | PERCENT PASSING |
|------------|-----------------|
| 4 inches | 100 |
| No. 40 | 0-60 |
| No. 200 | 0-15 |

In addition, the backfill must conform to all of the following requirements:

1. Soundness - The material shall be substantially free from shale or other soft, poor durability particles.
2. The Plasticity Index (P.I.), as determined by AASHTO T 90, shall not exceed 6.
3. The material shall exhibit an angle of internal friction of not less than 34 degrees as determined by the standard direct shear test AASHTO T 236. No testing is required for backfills where 80 percent of sizes are greater than 3/4 inch.



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For Property
 Nottingham Hills
 Subdivision Phase V
 121 Upper Pattagansett Road
 EAST LYME, CT 06333

**BIOFILTER RETENTION POND
 RAIN GARDEN LAYOUT**

SCALE: 1"=20' & as noted
 DATE: 06 SEPT 2021

DESCRIPTION: BIOFILTER DESIGN, OUTLET CONTROL & CROSS SECTION

JOB NUMBER SHEET
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