

## 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

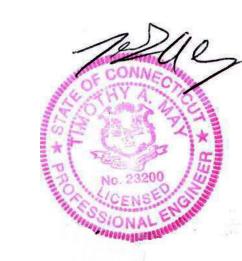
No. 40 No. 200 0-15

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



## May Engineering LLC

Civil Engineering and Site Planning 1297 RT 163 Oakdale, CT 06370 860 884-9671

Can Duana antic
For Property
Nottingham Hills
Subdivision Phase V
121 Upper Pattagansett Road
FASTLYME CT 06333

EAST LYME, CT 00333 BIOFILTER DESIGN, OUTLET CONTROL & CROSS SECTION

BIOFILTER RETENTION PON
RAIN GARDEN LAYOUT

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

JOB NUMBER SHEET 2of 2