SIEVE ANALYSIS

NUMBER OF MESH PER INCH. U.S. STANDARD

GRADATION CURVE

ERI SIZE | 5" LIMIT | 12" LIMIT
---|---|---
No. 40 | 100 | —
No. 60 | 92 | —
No. 100 | 72 | —
No. 200 | 19 | —
.016 | — | 100
.008 | — | 72
.004 | — | 54
.001 | — | 18

PERCENT PASSING (BY WEIGHT)
[ALL AGGREGATE SAMPLING AND TESTING PER ASTM LATEST REVISION.]

HYDROMETER ANALYSIS

GRAN SIZE IN MILLIMETER

PERCENT RETAINED BY WEIGHT

PERCENT PASSING BY WEIGHT

6" Subballast Thickness

12" Subballast Thickness

COARSE | MEDIUM | FINE | FINES
---|---|---|---
SAND

1. Zone of subgrade materials requiring 6" of subballast.
2. Zone of subgrade material requiring 12" of subballast.
3. Additional measures will be required per recommendations of an engineering soils analysis.

UNION PACIFIC RAILROAD
ENGINEERING STANDARDS

GRAIN SIZE DISTRIBUTION FOR SUBGRADE SOILS

ADOPTED: JAN. 21, 2004
REVISED: FEB. 13, 2009
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STD DWG

0013A

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