



MATERIALS

1. Drainage Sand And Gravel Should Meet The Following Gradation (Modified City Of Seattle Mineral Aggregate Type 26):

Sieve Size	% Passing by Weight
1-inch	100
3/4-inch	85 to 95
1/4-inch	30 to 60
No. 8	20 to 50
No. 50	3 to 12
No. 200	0 to 1
(by wet sieving)	(non-plastic fines)

An alternative to drainage sand and gravel is a 50-50 mixture of washed pea gravel and washed sand (Mineral Aggregate Type 6.)

GRANULAR BACKFILL

2. Compact granular backfill to consist of suitable on-site or imported clean, well-graded sand and gravel or crushed rock; either material must meet the following gradation criteria (City of Seattle Type No. 17);

Sieve Size	% Passing by Weight
3-inch	95-100
1/4-inch	25 -75
No. 200	0 to 5
(by wet sieving)	(non-plastic fines)

3. SUBDRAIN PIPE

- a. Perforated or slotted pipe; tight joints; sloped to drain (6"/100' min. slope); provide clean-outs; min. diameter: 4 inches.
- b. Perforated pipe holes (1/8-in. to 3/8-in. dia.) to be in lower half of pipe with lower quarter segment unperforated for water flow.
- c. Slotted pipe to have 1/8-in. max. width slots.

NOTES

1. This figure is not for construction. It should only be used for information pertaining to potential design concepts. Final design should be based on site-specific conditions and accomplished by a geotechnical engineer licensed as a professional engineer.
2. Compacted backfill in 6" maximum loose lifts to at least 95% of Modified Proctor maximum dry density (ASTM D-1557).
3. Wall system to be designed by professional engineer.

Seattle Landslide Study
Seattle Public Utilities
Seattle, Washington

TYPICAL GEOGRID REINFORCED SOIL WALL SECTION

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FIG. 2-16