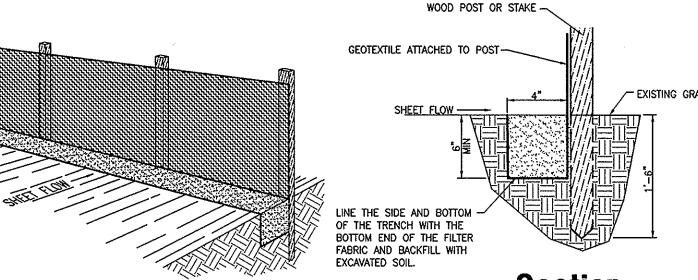


Vicinity Map NOT TO SCALE



Section

Perspective View

INSTALLATION
The silt fence should be installed prior to major soil disturbances in the drainage area. The fence should be placed across the slope along a line of force the geotextile, it shall have a minimum uniform elevation wherever flow of sediment is anticipated. Table 1 shows generally—recommended maximum slope lengths (slope spacing between fences) at various site grades for most silt fence

	3LE 1:
Recommended Ma	ximum Slope Lengths
	ilt Fence
(Richardson & I	Middlebrooks, 1991)
Slope Steepness	Max. Slope Length
(%)	m (ft)
<2%	30.5m (100ft)
2-5%	22.9m (75ft)
5-10%	15.2m (50ft)
10-20%	7.6m (25ft)
>20%	4.5m (15ft)

PREFABRICATED SILT FENCE ROLLS
*Excavate a minimum 15.2cm x 15.2cm (6"x6") trench at the desired location. *Unroll the silt fence, positioning the post against the downstream wall of the trench. *Adjacent rolls of silt fence should be joined be nesting the end post of one fence into the other. Before nesting the end posts, rotate each post until the geotextile is wrapped completely around the post, then abut the end posts to create a tight seal as shown in Figure 1.

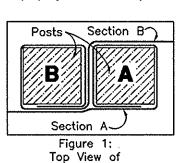
*Drive posts into the ground until the required fence height and/or anchorage depth is *Bury the loose geotextile at the bottom of the fence in the upstream trench and backfill with natural soil, tamping the backfill to provide good compaction and anchorage. Figure 2 illustrates a typical silt fence installation and anchor trench placement.

FIELD ASSEMBLY: *Excavate a minimum 15.2cm x 15.2cm (6"x6") trench at the desired location. *Drive wooden posts, or steel posts with fastening projections, against the downstream wall the trench. Maximum post spacing should be 2.4-3.0m (8-10ft). Post spacing

*Fasten the mesh to the upslope side of the posts using heavy duty wire staples, tie wires *The geotextile shall then be stapled or wired to the posts. An extra 20-50cm (8-20") of

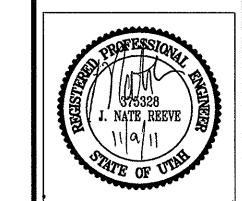
*Inspect the silt fence daily during periods of rainfall, immediately after significant rainfall event and weekly during periods of no rainfall. Make any repairs immediately. *When sediment deposits behind the silt fence are one—third of the fence height, remove and properly dispose of the silt accumulations. Avoid damage to the fabric during cleanout.

REMOVAL *Silt fence should not be removed until construction ceases and the upslope area has been properly stablized and/or revegetated.



Roll-to-Roll Connection

Silt Fence Detail



Project Info.

Drafter:

<u>J. NATE REEVE, P.E.</u>

OCTOBER 26, 2011

POWDER MOUNTAIN

PARK & RIDE

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Engineer's Notice To Contractors

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM AVAILABLE INFORMATION PROVIDED BY OTHERS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO CONTACT THE UTILITY COMPANIES AND TAKE DUE PRECAUTIONARY MEASURE TO PROTECT ANY UTILITY LINES SHOWN, AND ANY OTHER LINES OBTAINED BY THE CONTRACTOR'S RESEARCH, AND OTHERS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

Contact: Gregg Greer

P.O. Box 1119 Eden, Utah 84310-1119 PH: (801) 745-3772 Ext. 170

Blue Stakes Location Center Call: Toll Free 1-800-662-4111

Two Working Days Before You Dig

Number: <u>5837-03</u> Sheet Sheets