

April 24, 2018

Lewis Homes
Attn: Eric Householder
3718 North Wolf Creek Drive
Eden, Utah 84310

Subject: Trench Drain Recommendations
The Bridges Development
Eden, Utah
CG Project No.: 133-001

Mr. Householder,

At your request, the undersigned engineer visited The Bridges Development in Eden, Utah to observe an area of seepage. The area of seepage is located across Seven Bridges Road from Lot 10 of the Parkside PRUD Phase 1, between Seven Bridges Road and the future Howe Drive roadway. Water from the seep is currently running on the ground surface from the seepage area down to the southeast where it runs behind the curbing of Seven Bridges Road. It is our understanding that it is desired to collect and discharge the water from the seepage area.

We recommend that a trench drain be constructed within the seepage area to collect and discharge the water. The trench drain should consist of a minimum 2 foot wide trench which extends on the order of 6 feet below the existing ground surface. The trench drain should extend down through the length of the seepage area with a second trench extending across the southern end of the seepage area. The recommended location of the trench drain is shown on Plate 1, attached. The drain trench should be filled with a free draining gravel to within 1 foot of the final ground surface. A filter fabric such as Mirafi 140N or equivalent should separate the gravel from the native soils. A 4 inch diameter, perforated pipe should be placed at the bottom of each trench to rapidly discharge water collected by the drain. A solid pipe should connect to the low point of the perforated pipe which should be graded to the storm drain or other suitable free gravity outfall. A detail of the trench drain is shown on Plate 2.

This letter was prepared in accordance with the generally accepted standard of practice at the time this letter was written. No other warranty, expressed or implied, is made.

We appreciate the opportunity of providing our services on this project. If we can answer questions or be of further service, please call.

Sincerely,
Christensen Geotechnical






Mark I. Christensen, P.E.
Principal




Base Photo: Weber County Geo Gizmo

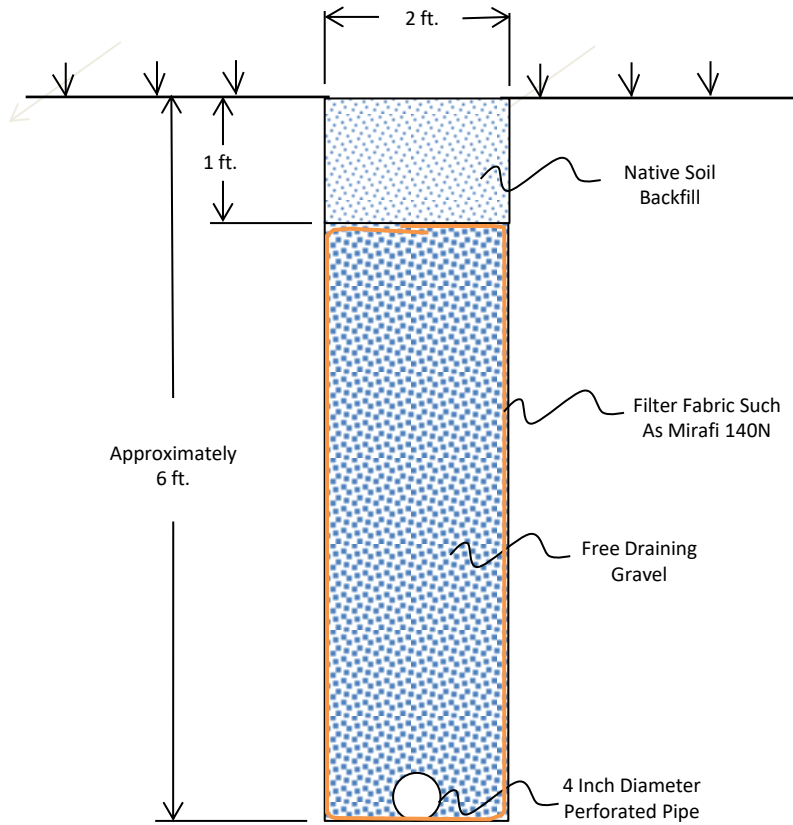
Drawing Not to Scale

-  Approximate Area of Seepage
-  Recommended Trench Drain Location
-  Solid Discharge Pipe Location



	<p>Lewis Homes The Bridges Eden, Utah Project No. 133-001</p>	<p>Plate 1</p>
<p>Trench Drain Location</p>		

Trench Drain Detail



NOT TO SCALE