

February 25, 2019

Prepared for:
XTR Midstream, LLC
370 17th Street, Suite 5300
Denver, CO 80202



Re: Topsoil Management for Cody Central Gathering Facility

To whom it may concern,

Based on the Geotechnical Engineering Report by Cole Garner there were a total of 10 initial soil borings located throughout the project site. The top 6 to 12 feet of each boring log reflected soil consisting of lean clay with sand. The geotechnical engineer noted that the topsoil layer in the boring logs wasn't sufficiently thick enough to call it out separately as a unique lens and therefore it was not noted separately in the borings. For the purpose of earthwork estimates Baseline engineering assumed a depth of 6 inches but it can be expected to be less and should be based on field observation during stripping operations.

In accordance with COGCC Reclamation Regulations section 1002 the topsoil is to be removed and segregated. The operator shall separate and store topsoil separately from other structural fill material and document stockpile locations to facilitate subsequent reclamation. Segregation will be performed to the extent practicable based upon noted changes in physical characteristics such as organic content, color, texture, density, or consistency.

In accordance with the Geotechnical Engineering Report the organic material and topsoil is only proposed to be stripped and removed from proposed building/structure and pavement/flatwork areas. Topsoil stripped from these areas is to be placed in non-structural areas such as fill placement in landscape berms and to revegetate landscaped areas or exposed slopes after completion of grading operations. The topsoil volumes should be monitored and managed for use in later reclamation efforts.

If you have any questions or concerns regarding these calculations, please feel free to give me a call at (303) 482-7712 to discuss.



Sincerely,

Noah Nemmers, P.E.
Civil Engineering Manager
Baseline Engineering, Planning, & Surveying

Corporate Headquarters
112 N Rubey Drive, Suite 210
Golden, Colorado 80403
Ph 303.940.9966
Fax 303.940.9959

Rocky Mountains
1169 Hilltop Pkwy, Suite 204, PO Box 770152
Steamboat Springs, Colorado 80477
Ph 970.879.1825
Fax 303.940.9959

Northern Colorado
4007 S Lincoln Avenue, Suite 405
Loveland, Colorado 80537
Ph 970.353.7600
Fax 866.679.4864