

February 25, 2019

Prepared for:  
XTR Midstream, LLC  
370 17<sup>th</sup> 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.  
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Baseline Engineering, Planning, & Surveying

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