

Construction Special Provision 599S22 for Retained Soil Systems (RSS)

TCP #000-0099

Closing Date – October 6, 2022

Comments received by TCP			
Comment ID	Organization	Comment	Response
240	Individual	Why does 6.01 restrict skid-steer vehicles specifically? A compact track loader is similar, and typically heavier, but is not restricted. What about other vehicles?	<p>The wheels or tracks on a skid steer vehicle typically have no steering mechanism – they are in a fixed, straight line relative to the body of the vehicle. By turning the left and right wheel or track pairs at different speeds, the vehicle turns by skidding or dragging its wheels or tracks across the ground. If there is insufficient backfill thickness over the reinforcing elements, this skidding or dragging action from zero-radius turning will damage and/or distort the reinforcing elements.</p> <p>At no time should any construction equipment (tired, tracked, skid-steer) be in direct contact with the reinforcing elements. This is to protect against damage and distortion of these critical elements of the system. There must be sufficient thickness of backfill over the reinforcing elements.</p> <p>This clause has been revised accordingly.</p>

<p>242</p>	<p>Reinforced Earth Company Ltd.</p>	<p>Please see the following key points regarding our comments on the draft version of MTO SP599S22. Other various comments have been provided in the attachment. Thank-you.</p> <p>1) Global stability vs. External stability. - Global stability and foundation capacity should be checked and confirmed by geotechnical engineer - External stability including sliding and eccentricity checked and confirmed by supplier based on specified backfill parameters</p> <p>2) Working drawing submissions - Take-off for backfill quantities should be completed by the contractor and included in a submission separate from the RSS wall drawings. RSS wall supplier should not do quantity take-offs for backfill - Statement of external stability (sliding and eccentricity) can be provided on working drawings although confirmation of foundation capacity and global stability should be part of separate submission completed by geotechnical engineer</p>	<p>1) Agreed and definition of Global Stability has been added.</p> <p>2) Agreed and some revisions made.</p>
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	<p>3) Inspection reports - Clarity may be required on the difference between "Contractor's Engineer" and the wall designer/supplier. We recommend a neutral third party QVE complete the inspection reports.</p> <p>4) Manufacturer's Representative - We believe that the manufacturer's representative should be on site (3 days total) per RSS item to aid in the start up of installation. This should include placement of panels, soil reinforcement and placement/compaction of backfill.</p>	<p>3) MTO removed the term QVE from all specifications. For RSS, this has been replaced with Contractor's Engineer. Per 4.02.04, the Contractor's Engineer shall be knowledgeable in the design and construction of the manufacturer's RSS. The Contractor's Engineer shall have demonstrated experience and expertise to certify that the RSS work is in general conformance with the Contract Documents and Working Drawings and to issue Inspection Reports and Certificates of Conformance.</p> <p>4) Agreed and some revisions made.</p>
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