

## 626 – Retaining Wall Systems

Effective Date: January 1, 2013

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This is an approved list of vendors and does not remove the requirements for the designs and materials to be approved prior to use as per Section 626 of the Standard Specifications.

See the Bridge Design Manual, Table 3.10.1.4B for applications of these wall systems and limitations which include:

1. No utilities shall be permitted in the reinforced fill zone.
2. Reinforcement shall not be exposed to soils with low resistivity (< 3,000 ohm-cm), high sulfates (200 ppm), or high chloride (100 ppm) contents.
3. Not to be used in areas with unpredictable erosion or having uncontrolled scour below the reinforced fill zone.

### Mechanically Stabilized Earth (MSE) Retaining Wall Systems

*(Precast Concrete Panel Wall Systems)*

System	Manufacturer	Approval Number	Approved Fabricators
<i>Height Limited to 60 Feet</i>			
Retained Earth	Foster Geotechnical, Division of LB Foster Springfield, VA (F054J)	1349757A	Cherry Precast – Rural Hall, NC KJ Williams – Cumberland, MD
Reinforced Earth	The Reinforced Earth Company Vienna, VA (R170A)	1349758A	Cherry Precast – Rural Hall, NC KJ Williams – Cumberland, MD
ISOGRID	The Neel Company Springfield, VA (N123A)	1349759A	
MSE Plus	SSL Scotts Valley, CA (S423A)	1349760A	
Tricon	Tricon Precast, Ltd. Houston, TX (T183A)	1380649A	
Vista Wall	Vista Wall Systems Fort Worth, TX 76120	1428608A	Faddis – New Castle, PA
<i>Height Limited to 50 Feet</i>			
EarthTrac	EarthTec, Inc. Purcellville, VA (E136A)	1393169A	
Sine Wall	Sine Wall LLC West Chester, OH (S452A)	1399093A	
<i>Height Limited to 40 Feet</i>			
Ares	Tensar Earth Technologies, Inc. Atlanta, GA (T173A)	1349761A	

**MSE Wire-Faced Retaining Wall Systems**

<b>System</b>	<b>Manufacturer</b>	<b>Approval Number</b>
<i>Height Limited to 60 Feet</i>		
<b>Retained Earth</b>	<b>Foster Geotechnical, Division of LB Foster Springfield, VA (F054J)</b>	<b>1349762A</b>
<b>Reinforced Earth</b>	<b>The Reinforced Earth Company Vienna, VA (R170A)</b>	<b>1349763A</b>
<b>MSE Plus</b>	<b>SSL Scotts Valley, CA (S423A)</b>	<b>1349764A</b>
<i>Height Limited to 40 Feet</i>		
<b>Mesa <sup>a b</sup></b>	<b>Tensor Earth Technologies, Inc. Atlanta, GA (T173A)</b>	<b>1349766A</b>
<b>Ares <sup>a</sup></b>	<b>Tensor Earth Technologies, Inc. Atlanta, GA (T173A)</b>	<b>1349761A</b>
<p><sup>a</sup> Can only be used as a temporary system for a maximum of three (3) years</p> <p><sup>b</sup> Must be constructed with the high performance connector</p>		

The Modular Block Wall Systems listed below are approved with the following limitations:

1. No utilities shall be permitted in the reinforced fill zone.
2. Not to be used in areas with erosion or scour below the reinforced fill zone.
3. Concrete must comply with requirements of Section 626.5.1.1.1.
4. Block size tolerances must comply with the requirements of Section 626.5.1.1.2

**MSE Modular Block Wall Systems**

<b>System</b>	<b>Manufacturer</b>	<b>Approval Number</b>	<b>Licensed Producer</b>
<i>CLASS I - Height Limited to 40 Feet</i>			
<b>KeySystem 1</b>	<b>Keystone Retaining Wall Systems, Inc. Minneapolis, MN (K116A)</b>	<b>1349765A</b>	
<b>Mesa</b>	<b>Tensor Earth Technologies, Inc. Atlanta, GA (T173A)</b>	<b>1349766A</b>	

Landmark	Anchor Wall Systems, Inc. Minnetonka, MN (A317A)	1349767A	Peerless Block & Brick Co. St. Albans, WV
Magnum Stone	Cornerstone Wall Solutions, Inc. Coquitlam, BC Canada	1422575A	Rhodes Brick & Block Co. St. Albans, WV
<b>CLASS II - Height Limited to 20 Feet (Note: Class I may be substituted)</b>			
ReCon	ReCon Retaining Wall Systems, Inc. St. Louis Park, MN ( R182A)	1424718A	Peerless Block & Brick Co. St. Albans, WV
Redi-Rock Positive Connection System	Redi-Rock International Charlvoix, MI (R183A)	1425060A	Foster Supply, Inc. Scott Depot, WV Mount Clare, WV Harrodsburg, KY
<b>CLASS III - Height Limited to 10 Feet (Note: Classes I or II may be substituted)</b>			
Anchor	Anchor Wall Systems, Inc. Minnetonka, MN (A317A)	1349768A	
Genesis	Anchor Wall Systems, Inc. Minnetonka, MN (A317A)	1349769A	
Keystone	Anchor Wall Systems, Inc. Minnetonka, MN (A317A)	1349770A	
Redi-Rock <sup>c</sup>	Redi-Rock International Charlvoix, MI (R183A)	1386514A	Foster Supply, Inc. Scott Depot, WV Mount Clare, WV Harrodsburg, KY
Redi-Scapes	Redi-Rock International Charlvoix, MI (R183A)	1386514A	Foster Supply, Inc. Scott Depot, WV Mount Clare, WV Harrodsburg, KY
ReCon	ReCon Retaining Wall Systems, Inc. St. Louis Park, MN (R182A)	1424719A	Peerless Block & Brick Co. St. Albans, WV
<sup>c</sup> Allowed up to 20 feet with soil reinforcement. (After May 30, 2013 this system will be limited to 10 feet max.)			
<b>CLASS IV - Height Limited to 5 Feet (Note: Classes I, II, or III may be substituted)</b>			
Anchor	Anchor Wall Systems, Inc. Minnetonka, MN (A317A)	1349771A	

Keystone	Anchor Wall Systems, Inc. Minnetonka, MN (A317A)	1349772A	
Redi-Rock <sup>d</sup>	Redi-Rock International Charlvoix, MI (R183A)	1386515A	Foster Supply, Inc. Scott Depot, WV Mount Clare, WV Harrodsburg, KY
<p><sup>d</sup> Allowed up to 10 feet with 41" deep blocks. Limited to 5 feet with 28" deep blocks.</p>			