

**Structural**  
**Retainment of Soil**  
 Retained Soil Systems (RSS), Wall / Slope

**List # 9.70.56**  
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 Date: 01-Oct-2020

CUSTODIAL OFFICE : MERO - Foundation Design - (416) 235-3715

NOTES:

- Systems eligible for inclusion in MTO work are defined during the project design phase and identified in contract documents.
- Maximum angle is measured from the backface of the horizontal.
- Maximum wall height is for each continuous tier at maximum slope.
- Performance (Perf in header) is a rating either High (H), Medium (M) or Low (L).
- Appearance (App in header) is a rating either High (H), Medium (M) or Low (L).
- Acceptance (Acc in header) is a category, with status of Demonstration (DE) or Acceptance (A). Both eligible to bid MTO contracts.
- RSS is also identified as mechanically stabilized earth (MSE).
- Traffic Barrier - Y (yes) designates approved cast-in-place concrete traffic barrier for use with specific RSS.
- Wall height greater than 12m requires project-specific review by MTO.
- Code requirements in CHBDC CSA S6-19 Section 6.19 - MSE Wall Systems.

Company	RSS No.	Trade Identity	System	Max Angle (Deg)	Max Wall Height	App	Acc	Perf	Traffic Barrier
<b>Ontario Source:</b> <b>Armtec LP</b> 41 George St Guelph ON N1H 1S5 Canada Tel: 800-265-9391 Fax: 519-763-0437 Toll Free: 877-527-6832 Web: www.armtec.com	6	GEOWEB / Mirafi XT	Stacked Geocell, Tieback	70	8 m	M	A	M	N
	23	GEOWEB / Mirafi XT	Geocell on Slope Face, Tieback, Wrapped	55	6 m	L	A	L	N
	29a	TC Mirafi Woven Geotextile	Temporary	90	8 m	L	A	L	N
	29b	TC Mirafi Woven Geotextile	Temporary	90	8-10 m	L	DE	L	N
	32	GEOWEB / Mirafi XT	Geocell on Slope Face, Tieback	35	6 m	L	DE	L	N
	41	TRM, Mirafi XT	TRM, Geogrid Tieback	35	6 m	L	DE	L	N
	42	TRM, Mirafi XT	TRM, Geogrid Tieback, Wrapped	45	6 m	L	DE	L	N
<b>Ontario Source:</b> <b>Atlantic Industries Limited</b> 640 Waydom Drive Ayr ON N0B 1E0 Canada Tel: 519-622-8600 Fax: 519-622-1372 Toll free: 877-245-7473 Email: ontsales@ail.ca Web: www.ail.ca	33	Atlantic Wire Wall	Temporary	90	8 m	L	A	L	N
	43	Vist-A-Wall	Pre-cast Panel, Tie-Back	90	10 m	H	A	H	Y
	52	Vist-A-Wall Grid Strip	Pre-cast panel, Grid Strip reinforcement	90	10 m	H	A	H	Y
	57	Atlantic Wire Wall	Permanent	90	15 m	L	DE	L	N
	60	MSE Retaining Wall	Pre-cast panel, Grid Strip reinforcement	90	15 m	H	DE	H	Y
	61	MSE Retaining Wall Grid Strip	Pre-cast panel, Grid Strip reinforcement	90	15 m	H	DE	H	Y
<b>DECAST Ltd.</b> 8807 County Road 56 Utopia ON L0M 1T0 Tel: 705-734-2892 Fax: 705-734-2920 Toll free: 800-461-5632 Web: www.decastltd.com	56	Gravix	Gravix Precast Wall System	90	8 m	H	DE	H	Y

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<b>Durisol</b> 70 Frid Street Suite 1 Hamilton ON L8R 3K4 Tel: 289-975-4402 Fax: 905-521-8658 Email: lise.sorensen@durisol.com Web: www.durisol.com	2	Durisol	Post and Panel	90	4 m	H	A	H	Y
	25	Durisol Anchored Retaining Wall	Durisol Panel / T-Anchor	90	15 m	H	A	H	Y
<b>Ontario Source:</b> <b>Layfield Geosynthetics and Industrial Fabrics Ltd. (ON)</b> 117 Basaltic Road, Unit 2 Vaughan ON L4K 1G4 Tel: 905-761-9123 Fax: 905-761-0035 Toll Free: 888-436-4273 Email: tor@layfieldgroup.com Web: www.layfieldgeosynthetics.com	38	Enviro Slope Geogrid Wrap	Layfield LP T-Series Geogrid and TRM, Wrapped	45	6 m	L	DE	L	N
<b>Ontario Source:</b> <b>Maccaferri Canada Ltd.</b> 400 Collier MacMillan Dr. Unit B Cambridge ON N1R 7H7 Canada Tel: 519-623-9990 Fax: 519-623-1309 Toll Free: 800-668-9396 Email: info@maccaferri.ca Web: www.maccaferri.ca	19	Gabion Wall	Gabions with galvanized, PVC coated and PoliMac wire	90	8 m	L	A	M	N
	17	Terramesh System	Gabion Basket, wire mesh tie back, with galvanized, PVC coated and PoliMac wire	90	8 m	L	DE	M	N
	31	Green Terramesh System	Steep Slope with galvanized, PVC coated and PoliMac wire	70	8 m	L	DE	M	N
	37	Terrawall	Wire Mesh Facing and Tieback with galvanized, PVC coated and PoliMac wire	84	8 m	L	DE	M	N
	55	L Panel Wall	Temporary (Less Than 5 Years), Wire Mesh Facing, Geogrid Tieback	90	8 m	L	DE	L	N
<b>Reinforced Earth Company Ltd.</b> 1550 Enterprise Road, Suite 229 Mississauga ON L4W 4P4 Canada Tel: 905-564-0896 Fax: 905-564-2609 Email: info@recocanada.com Web: www.reinforcedearth.ca	1	CRUCIFORM	Reinforced Earth	90	15 m	H	A	H	Y
	13	TERRATREL	Temporary	90	15 m	L	A	L	N
	10	TERRATREL	Reinforced Earth with cast-in-place facing	90	10 m	H	A	H	
	54	GEOMEGA	GeoMega Wall with GeoSynthetic Strips - GeoStrap / EcoStrap	90	9 m	H	DE	H	N

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<b>Canadian Source:</b> <b>Tensar International Corporation</b> 105 - 4020 Boul. Des Sources Montreal QC H9B 3L5 Canada Tel: 514-833-9179 Email: RSaenz@tensarcorp.com Web: www.tensarcorp.com <b>Ontario Source:</b> <b>Nilex</b> 40 Audia Court, Unit 2 Vaughan ON L4K 3N4 Canada Tel: 416-640-6002 Fax: 416-640-6006 Email: toronto@nilex.com Web: www.nilex.com	8	Sierra BF	Blanket , Tensar Tieback	35	6 m	L	A	L	N
	18	Sierra GF	Wrap, Tensar Tieback	45	6 m	L	A	L	N
	5	Mesa	Block, Tensar Tieback	90	8 m	H	A	M	Y
	17	Sierra WF	Basket, Tensar Tieback, Temporary	90	8 m	L	A	L	N
	14	Sierra TF	Stacked Geocell, Tensar Tieback	70	8 m	M	A	M	N
	27	ARES	Full Height Concrete Panel, Tensar Tieback	90	8 m	A	A	H	Y
<b>Ontario Source:</b> <b>TerraFix Geosynthetics Inc.</b> 455 Horner Avenue Toronto ON M8W 4W9 Tel: 416-674-0363 Fax: 416-674-1159 Email: info@terrafixgeo.com Web: www.terrafixgeo.com	34	TerraSlope 35	Blanket, Stratagrid	35	6 m	L	DE	L	N
	35	TerraSlope 45	Wrap, Stratagrid	45	6 m	L	A	L	N
	36	TerraFort	Full Height Concrete Panel, Tenax Tieback, TMP GG60-GG160 Tieback	90	8 m	H	A	H	Y
	39	TerraSlope Web	Stacked Geocell, Stratagrid Tieback	70	8 m	M	A	M	N
	44	TerraSteep 60	Wire Facing, Geogrid Tie-back	60	6 m	L	DE	L	N
	45	TerraSteep 90	Temporary, Wire-Face, Geogrid Tie-back	90	8 m	L	DE	L	N
<b>Ontario Source:</b> <b>The Miller Group (Gormley)</b> 287 Ram Forest Road Gormley ON L0H 1G0 Canada Tel: 905-726-9518 Fax: 905-726-4180 Email: marketing@millergroup.ca Web: www.millergroup.ca	40	Miller Redi-Rock Gravity	Gravity Block Wall	90	2.7 m	H	DE	M	N
<b>Unilock Toronto</b> <b>Ontario Source:</b> <b>Risi Stone Systems on Behalf of Unilock Ltd</b> 480 Harry Walker Parkway, Unit 10 Newmarket ON L3Y 0B3 Tel: 905 868 9255 Fax: 905 868 9254 Email: info@risistone.com Web: www.risistone.com	21	SIENA STONE	Gravity Block Wall	90	2.5 m	H	DE	M	N
	50	Siena Stone Geogrid System	Segmental Block Wall, Geogrid Tie-back	90	5 m	H	A	M	N