Before

After

CABLE CONCRETE®
Articulated Concrete Block System

- Engineered erosion solutions
- Low installation cost
- Maximizes vegetation regrowth
- Pre-attached filter cloth ensures consistent placement
- Quick and efficient delivery
- Cable Concrete® manufactured and distributed throughout Canada and abroad

For more information, contact:

INTERNATIONAL EROSION CONTROL SYSTEMS INC.
Ph: 1-800-821-7462 • Fx: 1-866-496-1990
www.iecs.com
What is it?
Cable Concrete® is one of the most proven, fully engineered forms of erosion control available. This system of integrating flexible stainless steel revetment cables with high strength concrete permits unparalleled erosion protection.

A Standard Cable Concrete® mat covers an area of 2.44m x 4.88m (8 ft. x 16 ft.) and is available in various weights: 25, 35, 45 and 70 lb/sq. ft. This allows you to economically meet the requirements of your particular project.

Key Features:
- Fully engineered, ensure the proper factor of safety for your designs
- Easy to install with minimal site preparation above ground or under water
- Open area ranging from 20-40% promotes permeability and maximizes vegetation regrowth
- Available with pre-attached non-woven geotextile filter cloth
- Freeze thaw resistance ensures the structural integrity of the system
- Trapezoidal block shape allows for articulation ranging from 20-60° depending on the block size
- Flexible, versatile and stable – mat sizes can be customized to suit and cut in any direction
- Clamp mats together on all four sides to create one uniform system

Potential LEED Credits:
- SS Credit 6.1 Stormwater Design: Quantity Control
- SS Credit 6.2 Stormwater Design: Quality Control
- SS Credit 5.1 Site Development and Restore Habitat
- MR Credit 5.1 Regional Materials

Cable Concrete® Specifications

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>Minimum BLOCK WEIGHT</th>
<th>Minimum BLOCK HEIGHT</th>
<th>Open Area %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC G2</td>
<td>122.22-136.89 kg/sm</td>
<td>80.88 mm 3 1/8&quot;</td>
<td>40</td>
</tr>
<tr>
<td>CC 35</td>
<td>180.65-195.30 kg/sm</td>
<td>114.3-127.0 mm 4 1/2&quot;</td>
<td>20</td>
</tr>
<tr>
<td>CC 45</td>
<td>229.47-253.88 kg/sm</td>
<td>139.7-152.4 mm 5 1/2&quot;</td>
<td>20</td>
</tr>
<tr>
<td>CC 70</td>
<td>351.53-380.83 kg/sm</td>
<td>215.9-228.6 mm 8 1/2&quot;</td>
<td>20</td>
</tr>
</tbody>
</table>

Research and Design
Since the mid 1980’s IECS has partaken in a wide variety of industry leading engineering analysis ensuring the uppermost level of performance and stability of Cable Concrete®, encompassing the following:

- Wave impact testing and measurement in accordance with “Coastal Engineering Manual”, U.S. Army Corps of Engineers Manual EM 1110-1100 (as amended up to August, 2008)
- Block wave impact testing was also compared to analytical results generated by the Anamos Stability of Block Revetment program developed by Delft Hydraulics (The Netherlands)
- Conforms to HEC 23 & NCMA - TEK 11 design guidelines for “Articulated Concrete Block Systems”

Cable Concrete® offers a detailed hydraulic analysis software program and design manuals to assist in designating the appropriate block selection while ensuring the precise factor of safety is met for your specific project parameters.

Industry Leading Performance
IECS has carried out extensive research into wave and open channel flow conditions on our product Cable Concrete® at the Colorado State University. Cable Concrete® blocks were flume tested in a 100 foot long by 4 foot wide test section.