



CIVIL APPLICATIONS

Flood Protection ▼

Cut-off & Containment ▼

Water Control ▼

Retaining Structures ▼

Installation Equipment ▼





FLOOD PROTECTION

Flood Control projects using CMI's family of synthetic and aluminum sheet piling have been in service for over 25 years.

I-Beam Lock™

CMI's ShoreGuard® sheet pile features the patented I-Beam Lock™ for superior joint integrity and seam reliability.

30" BOX PROFILE

CMI produces the industry's largest profile sheet pile on the market, resulting in fewer locks or seams in your wall, reducing the number of driving episodes, and saving time and money.

Actual Size

RETAINING STRUCTURES

CMI offers the strongest Vinyl, FRP, and Aluminum sheet piling in the world, achieving retained heights in excess of 15 ft.

CUT-OFF & CONTAINMENT

CMI sheet piling minimizes the construction footprint and requires less equipment at the job site than conventional methods.

XCR Technology

CMI's state-of-the-art facility, the only one of its kind, is dedicated specifically to the advancement of synthetic sheet piling.

XCR technology incorporates the latest innovations in material processing, high-precision co-extrusion, and superior formulations.

XCR technology allows CMI to deliver the most chemically resistant, high-quality, and dependable synthetic sheet pile on the market.

IMPERMEABLE

While the sheet pile itself is impermeable, independent laboratory tests conducted on certain CMI Sheet Piling have demonstrated effective wall permeability of $\approx 1 \times 10^{-7}$ cm/s without the use of hydrophilic sealant.

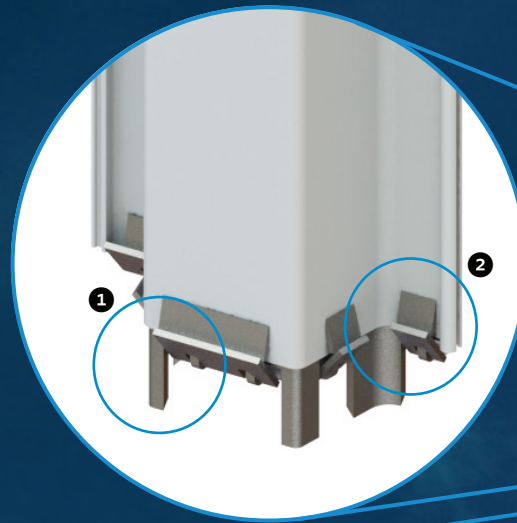
Projects that require a high degree of containment certainty should consider incorporating hydrophilic sealants to increase resistance.

WATER CONTROL

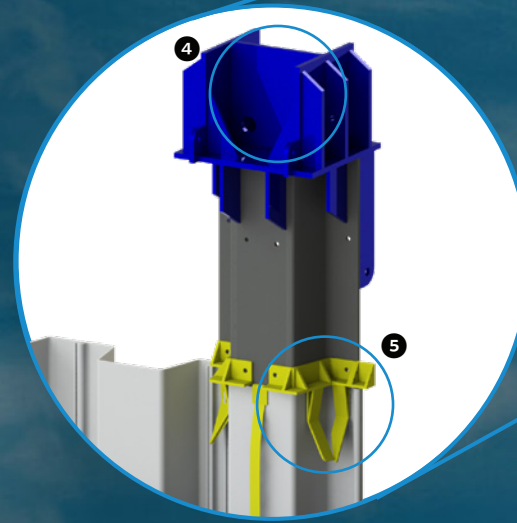
Projects ranging from small retention ponds to the largest fresh water diversion structures in the world have utilized CMI's sheet pile products.



- 1 **Punch:** Breaks through rock and consolidated solids.
- 2 **Flippers:** Protect the leading edge and secure the pile to the mandrel during driving and rotate away upon extraction.



- 3 **Fluid Outlet:** Softens soils and assists in separation or slurry injection during extraction.

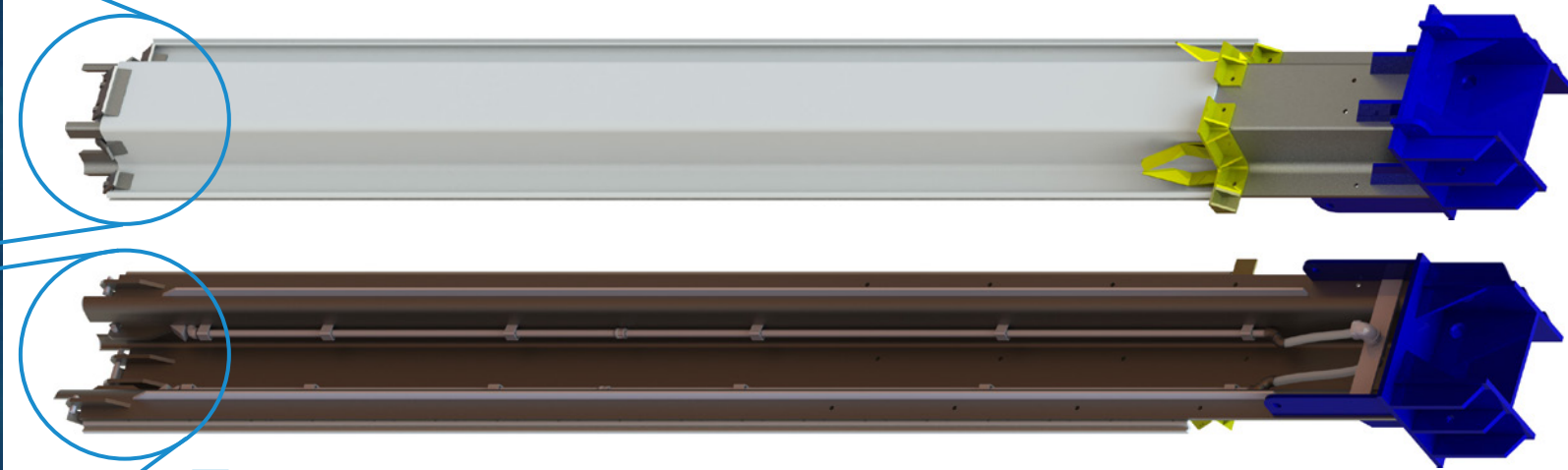


- 4 **Bite Plate:** Designed to accommodate a variety of Jaw styles & sizes.
- 5 **Holster:** Adjustable to accommodate varying sheet lengths

PileClaw®

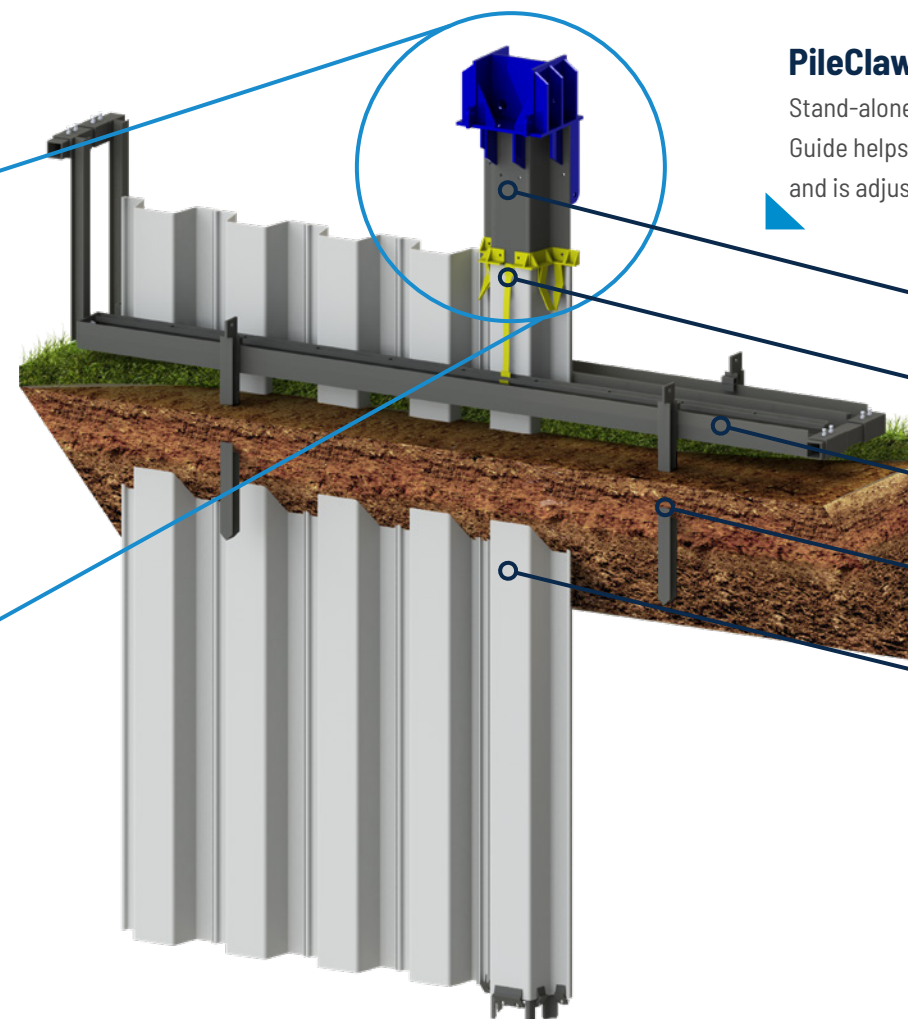
Installation Equipment

- ▶ Increase speed and accuracy of driving operations
- ▶ Engineered to match CMI's synthetic sheet piling profiles
- ▶ Features protect the integrity of sheet piling interlocks
- ▶ Minimize excessive soil disturbance



PileClaw™ Mandrel

Driving any sheet piling material to significant depths or in difficult soil is a challenging task. CMI's PileClaw™ Mandrel provides unparalleled driving assistance for the toughest construction environments.



PileClaw™ Mandrel + Drive Guide

Stand-alone or paired with the PileClaw™ Mandrel, the PileClaw™ Drive Guide helps ensure a straight and efficient installation and is adjustable for any sheet depth.

PileClaw™ Mandrel

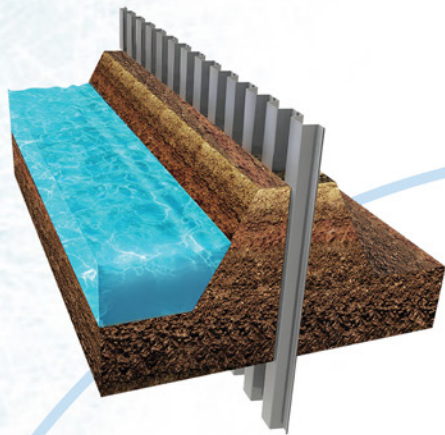
Retention Strap

Guide Beams

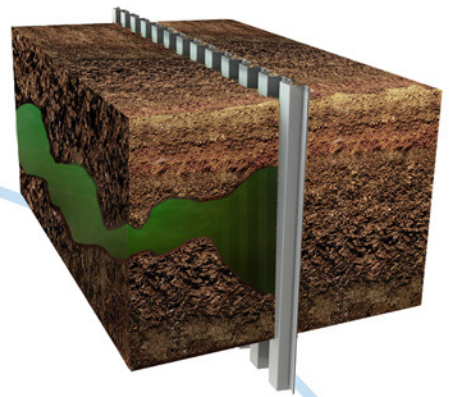
Integrated Anchor Pilings

Synthetic Sheet Piling

Flood Protection



Cut-Off & Containment



ShoreGuard®
Synthetic Sheet Piling



UltraComposite®
Sheet Piling & Piles



AlumiGuard™
Aluminum Sheet Piling



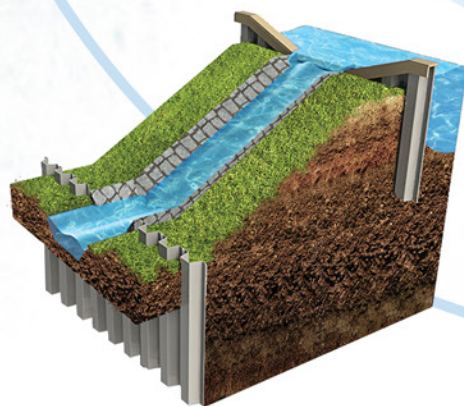
ArmorWare®
Components & Accessories



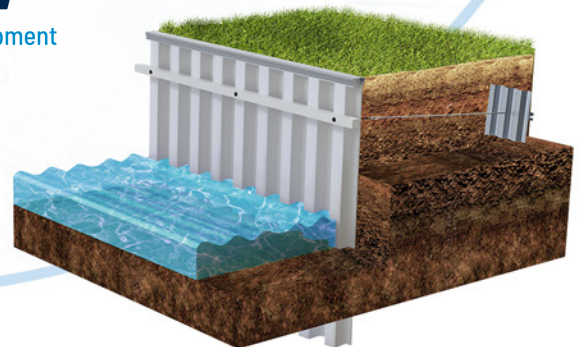
TimberGuard®
Marine Piling & Timber



PileClaw®
Installation Equipment



Water Control



Retaining Structures



Bowman
Construction
Supply Inc.



Quick
Supply Co.



Cascade
GEOSYNTHETICS

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SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS