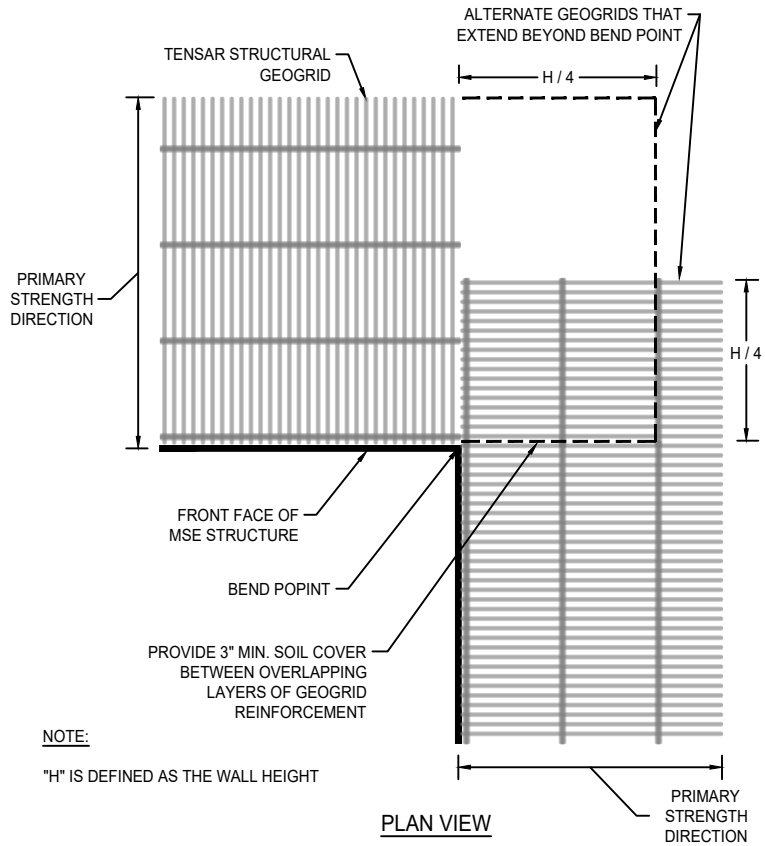
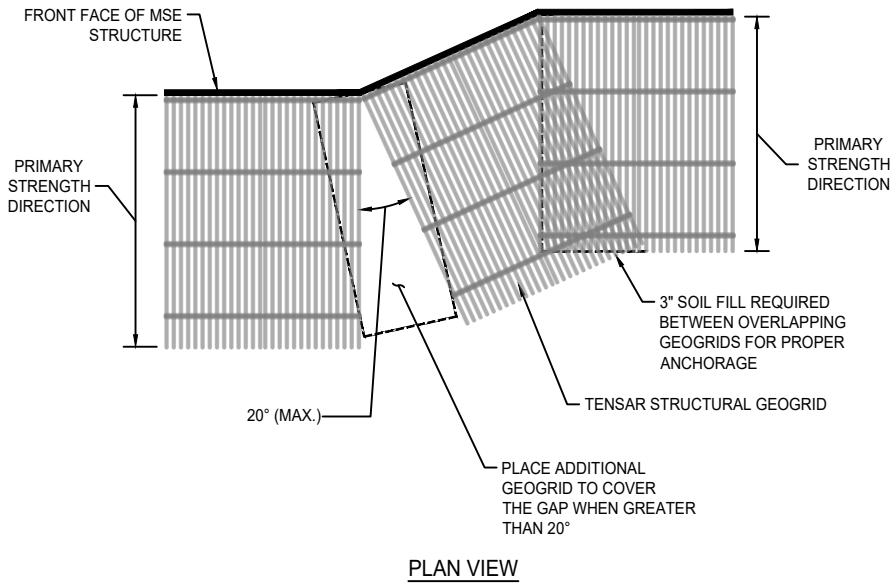


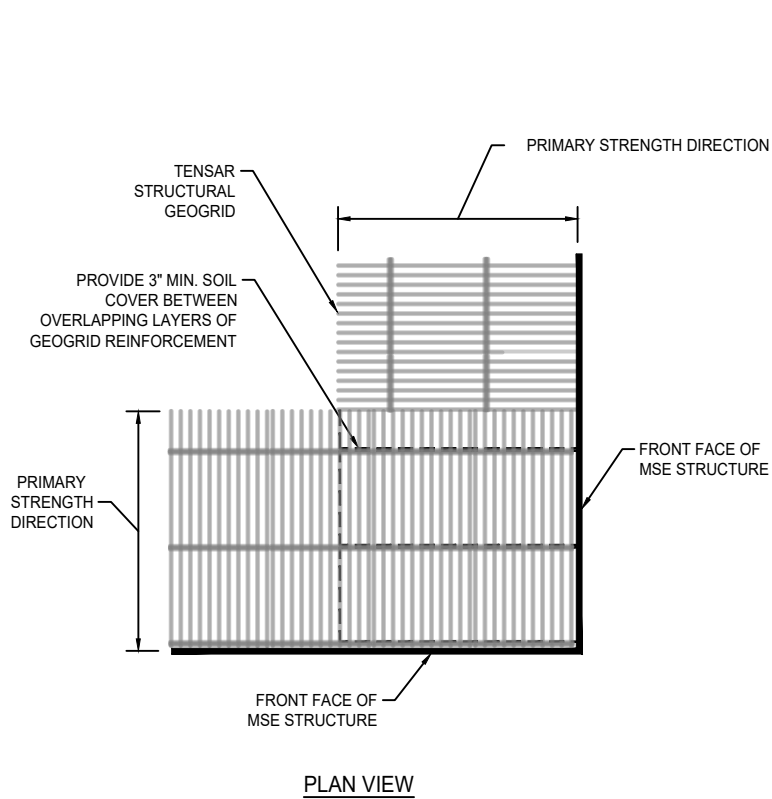
Plotted on: November 21, 2018
K:\CAD\DETAILS\GEOGRID\PIPE - STANDARD DETAILS.DWG



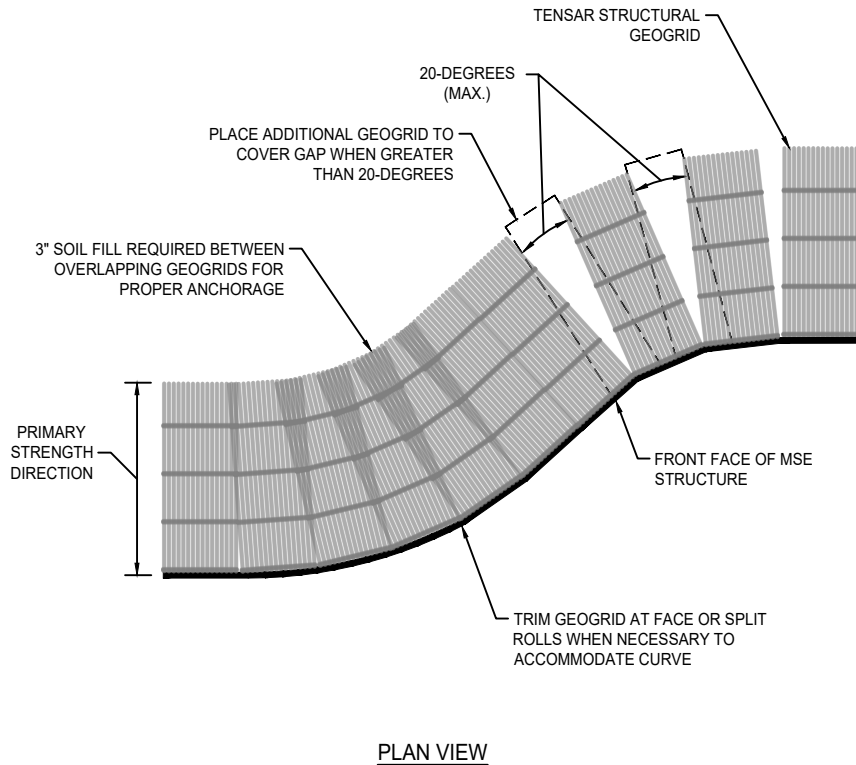
GEOGRID PLACEMENT AT INSIDE CORNER DETAIL
NOT TO SCALE



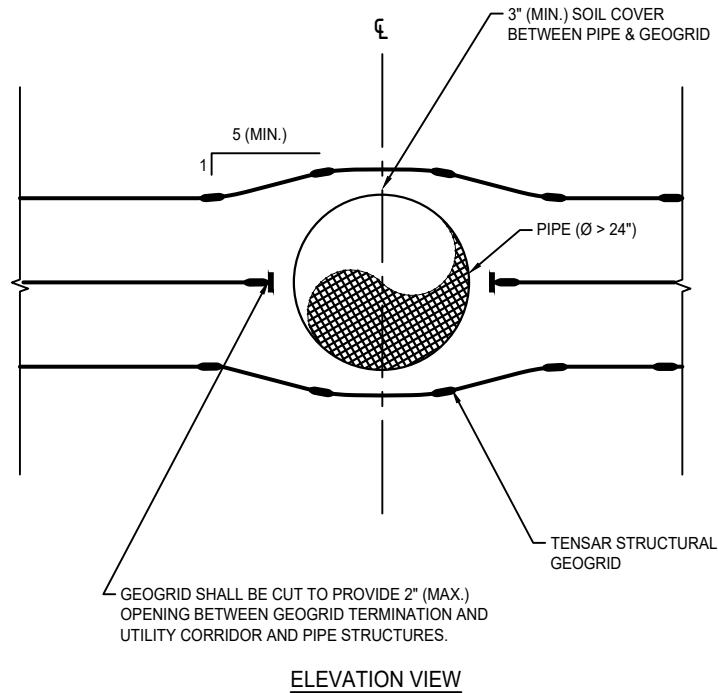
GEOGRID PLACEMENT AT MULTIPLE BENDS DETAIL
NOT TO SCALE



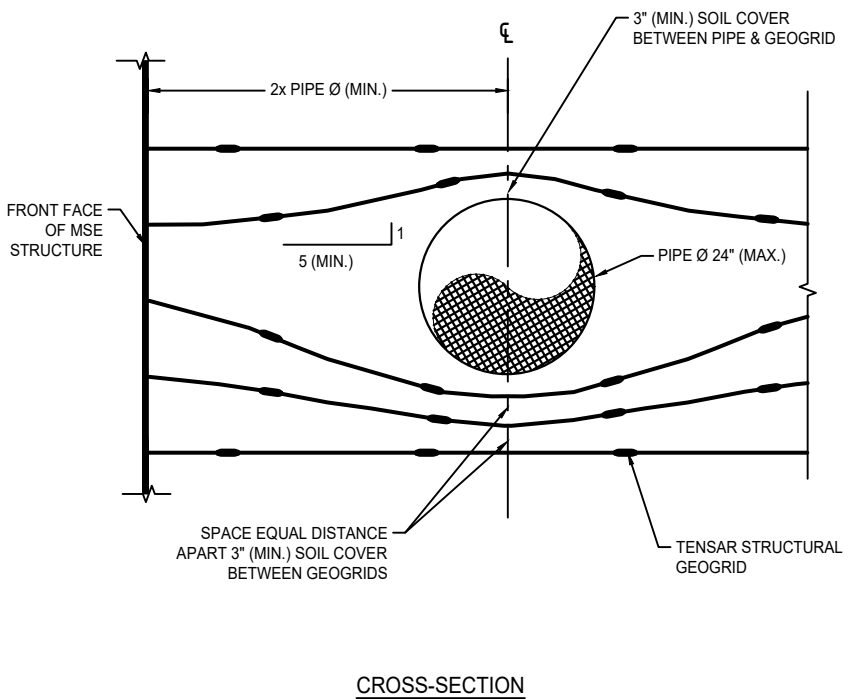
GEOGRID PLACEMENT AT OUTSIDE CORNER DETAIL
NOT TO SCALE



GEOGRID PLACEMENT ON CURVES DETAIL-PLAN VIEW
NOT TO SCALE



GEOGRID PLACEMENT AT PIPE PERPENDICULAR TO MSE STRUCTURE FACE
NOT TO SCALE



GEOGRID PLACEMENT AT PIPE PARALLEL TO MSE STRUCTURE FACE
NOT TO SCALE

Tensar.

Tensar International Corporation
2500 Northwinds Parkway | Suite 500
Alpharetta, Georgia 30009 | 770-344-2090

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PROJECT NAME AND LOCATION

TIC STANDARD DETAILS

OWNER

OWNER PROJECT No.

CLIENT

TIC PROJECT No.

DRAWN BY: O. MARTINEZ

DESIGNED BY:

CHECKED BY: R. JOHNSON

ENGINEER OF RECORD (MSE STRUCTURE ONLY):

0 8/20/18 ISSUED FOR REVIEW RJ

NO. DATE DESCRIPTION BY

REVISION / ISSUE

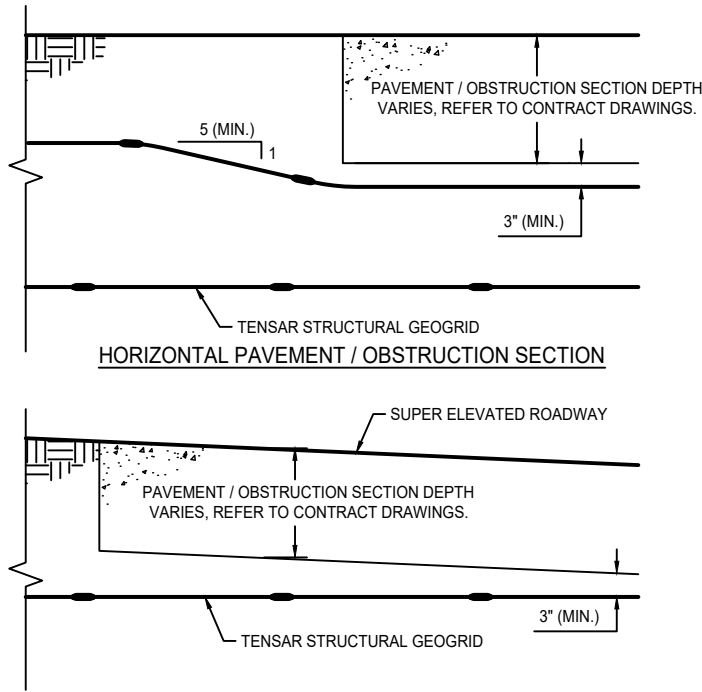
SHEET TITLE

HDPE STANDARD DETAILS

SCALE: AS SHOWN

SHEET 1 OF

Plotted on: November 21, 2018
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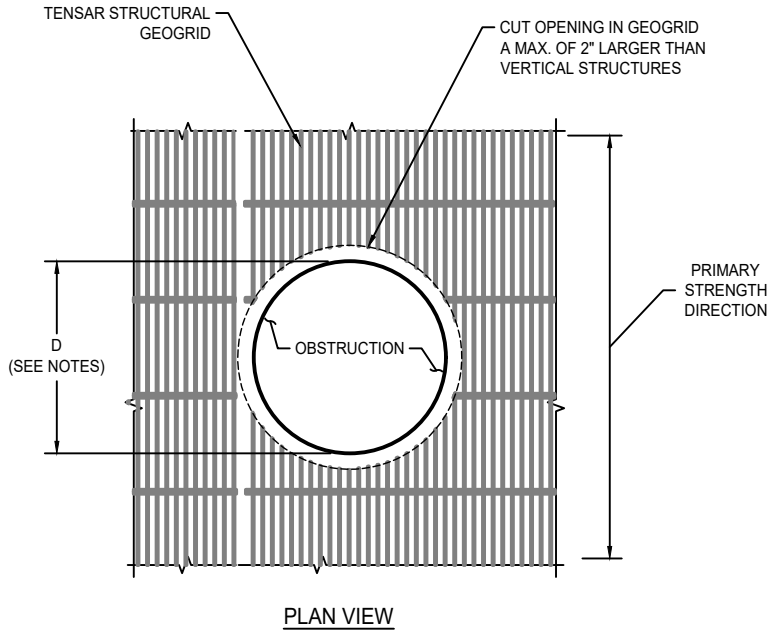


NOTE:

CONTRACTOR IS RESPONSIBLE TO COORDINATE THE PLACEMENT OF THE GEOGRID TO AVOID CONFLICT WITH THE CONTRACT PAVEMENT / OBSTRUCTION SECTION. GEOGRID MUST BE SEPARATED FROM THE PAVEMENT / OBSTRUCTION SECTION BY A MINIMUM OF 3".

GEOGRID PLACEMENT AT PAVEMENT / OBSTRUCTION SECTION

NOT TO SCALE

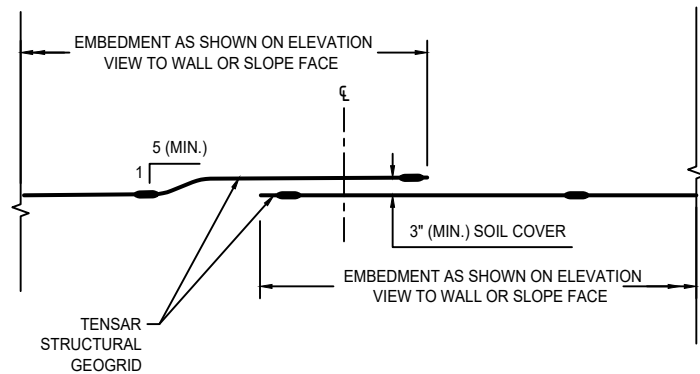


NOTES:

1. ADDITIONAL PROVISIONS SHALL BE MADE WHEN DIAMETER EXCEEDS 24".
2. ADDITIONAL PROVISIONS SHALL BE MADE IF REGULARLY SPACED OBSTRUCTIONS ARE PLACED CLOSER THAN $(10 * D)$

GEOGRID PENETRATION DETAIL-PLAN VIEW

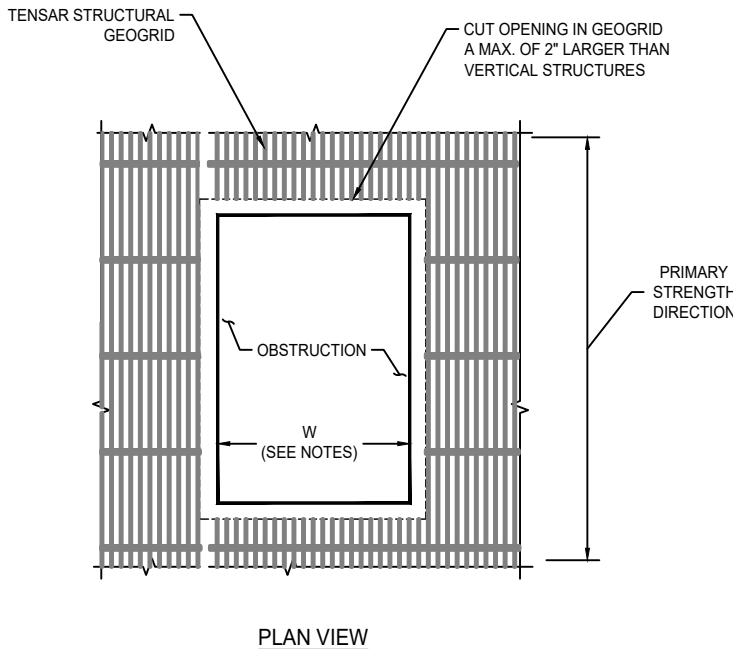
NOT TO SCALE



CROSS-SECTION

GEOGRID OVERLAP DETAIL AT BACK TO BACK WALL

NOT TO SCALE

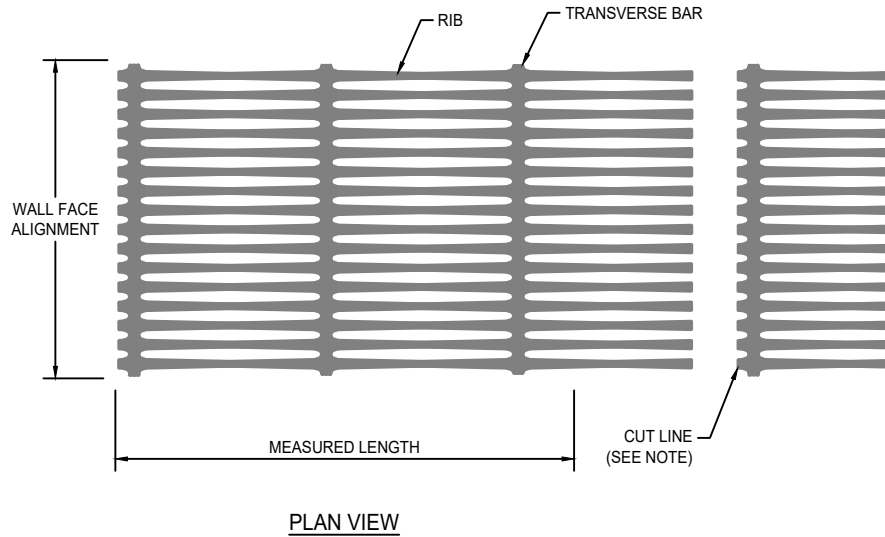


NOTES:

1. ADDITIONAL PROVISIONS SHALL BE MADE WHEN WIDTH EXCEEDS 24".
2. ADDITION PROVISIONS SHALL BE MADE IF REGULARLY SPACED OBSTRUCTIONS ARE PLACED CLOSER THAN $(10 * W)$.

GEOGRID PENETRATION DETAIL-PLAN VIEW

NOT TO SCALE



NOTE:

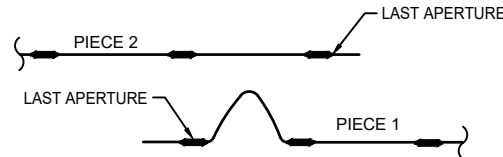
CUT TENSAR GEOGRID AT NEAREST TRANSVERSE BAR BEYOND THE MEASURED LENGTH.

MEASURED LENGTH CUT DETAIL

NOT TO SCALE

TO FORM A BODKIN CONNECTION:

1. BEND THE LAST APERTURE OF ONE PIECE OF GEOGRID IN HALF.



2. PASS THE BENT APERTURES THROUGH THE APERTURES OF THE SECOND PIECE OF GEOGRID AND INSERT THE BODKIN BAR INTO THE CAVITY BETWEEN THE GEOGRIDS.



3. PULL BOTH PIECES OF GEOGRID IN OPPOSITE DIRECTIONS TO COMPLETE CONNECTION.



NOTE:

THE SPLICED GEOGRID PIECE ON EITHER SIDE OF THE BODKIN CONNECTION SHALL BE AT LEAST 6 FEET LONG UNLESS THE GEOGRID TERMINATES IN A FIXED CONNECTION.

CROSS-SECTION

BODKIN CONNECTION

NOT TO SCALE

Tensar.

Tensar International Corporation
2500 Northwinds Parkway | Suite 500
Alpharetta, Georgia 30009 | 770-344-2090

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0 8/20/18 ISSUED FOR REVIEW RJ

NO. DATE DESCRIPTION BY

REVISION / ISSUE

SHEET TITLE

HDPE STANDARD DETAILS

SCALE: AS SHOWN

SHEET 2 OF



Bowman
Construction
Supply Inc.



Quick
Supply Co.



Cascade
GEOSYNTHETICS

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Colorado Springs, CO 719.257.7840
Loveland, CO 970.535.0863

Des Moines, IA
515.289.1271

Portland, OR
971.339.1020

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Stabilization Fabrics

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- 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.

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SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**