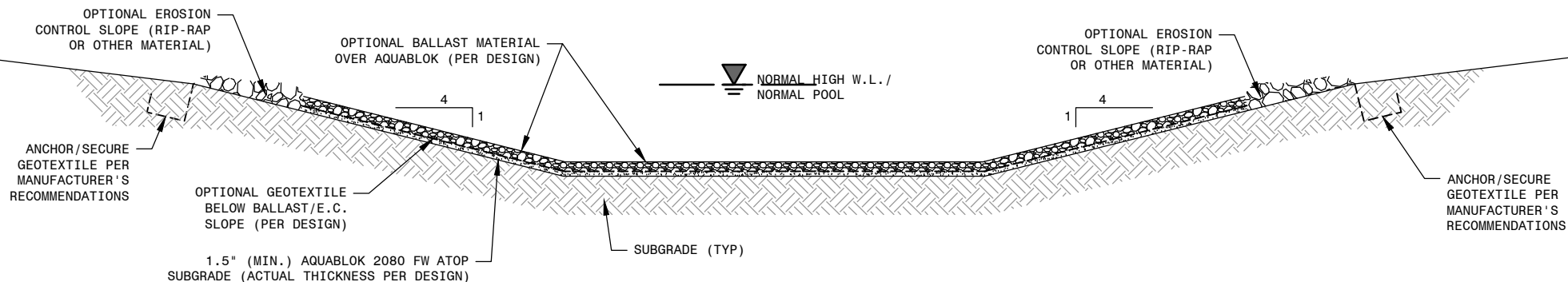


STEEP SLOPE ALTERNATIVES

N.T.S.

NOTE:

1. * STEEP SLOPE INSTALLATION ALTERNATIVE TO BE USED WHEN SLOPE ANGLE OR SLOPE LENGTH DICTATE ADDITIONAL STABILITY



POND CROSS-SECTION

N.T.S.

NOTES:

1. THE POND LINING, SEALING, OR CAPPING/CLOSURE DIMENSIONS SHALL BE DIRECTED BY THE ENGINEER AND DEPICTED ON THE CONSTRUCTION DRAWINGS.
2. SUBGRADE OF NEW POND CONSTRUCTION SHOULD BE RELATIVELY SMOOTH, WITH COMPACTION REQUIREMENTS DIRECTED BY ENGINEER.
3. BEFORE LINING OR SEALING EXISTING POND BOTTOM, SOFT ORGANIC MATERIAL SHOULD EITHER BE REMOVED, REINFORCED USING A GEOSYNTHETIC MATERIAL, OR STABILIZED WITH THE ADDITION OF SAND OR SCREENINGS AS DIRECTED BY THE ENGINEER.
4. IDENTIFIED HOLES, LENSES, OR AREAS OF SAND THAT CAUSE WATER LOSS SHOULD BE EXPOSED AND FILLED COMPLETELY WITH COMPOSITE BENTONITE AGGREGATE (AQUABLOK 2080FW OR BLENDED BARRIER) AS DETERMINED BY THE ENGINEER.
5. APPLIED COMPOSITE BENTONITE AGGREGATE (AQUABLOK 2080FW OR BLENDED BARRIER) THICKNESS SHALL BE IN ACCORDANCE WITH DESIGN, WITH A RECOMMENDED MINIMUM OF 1.5 INCHES.
6. SOIL COVER OR ROCK BALLAST MAY BE WARRANTED ABOVE COMPOSITE BENTONITE AGGREGATE AS DIRECTED BY ENGINEER. A WOVEN OR NON-WOVEN GEOTEXTILE IS RECOMMENDED FOR PLACEMENT BETWEEN COMPOSITE BENTONITE AGGREGATE AND ANY COVER MATERIAL.
7. COMPOSITE BENTONITE AGGREGATE SHOULD BE TAPERED TO TIE TO EXISTING GRADE AS NECESSARY FOR STABILITY. PLACEMENT OF COMPOSITE BENTONITE AGGREGATE ON STEEP SLOPES OR LONG SLOPES REQUIRES SPECIAL DESIGN CONSIDERATION (I.E., "STEEP SLOPE ALTERNATIVES") WHICH MAY INCLUDE (BUT NOT NECESSARILY BE LIMITED TO) BUTTRESSING, GEOCELL CONTAINMENT, AND/OR ADDITIONAL PLACEMENT OF MATERIALS SUCH AS TURF REINFORCEMENT MATS (TRM), RIP RAP, OR ARTICULATED CONCRETE BLOCK MATS (ACBM) AS DIRECTED BY THE ENGINEER.
8. WHEN CALCULATING COMPOSITE BENTONITE AGGREGATE COVERAGE VOLUME, SIDE SLOPE AREA SHOULD ACCOUNT FOR SLOPE CORRECTION.

QUANTITY SCHEDULE		
POND BOTTOM AREA	AC.	
POND BOTTOM AREA	SF	
POND SIDE SLOPE AREA*	AC.	
POND SIDE SLOPE AREA*	SF	
AVG. COVERAGE THICKNESS	IN.	
TOTAL CF	CF	
TOTAL CY	FT.	
TONS (TCF X 0.0425)	TONS	

* At desired water level (slope corrected)



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POND LINING, SEALING, CAPPING/CLOSURE DETAIL

(NOT TO SCALE)

PROJECT NO.: AQB105

SUBMITTAL DATE: MAY 2021

CAD DWG FILE: AQB105.100.0038

PLOT DATE: 5/6/2021



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Supply Inc.



Quick
Supply Co.



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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**