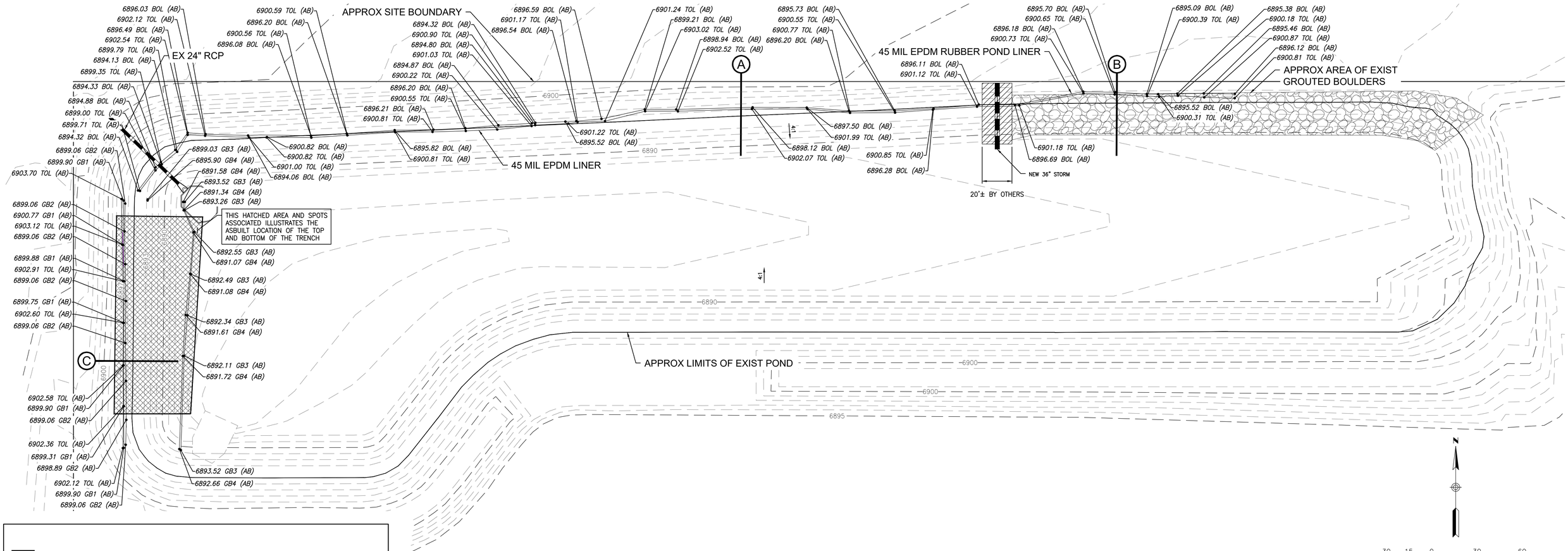


GRAPHIC SCALE: 1"=30'

AquaBlok® 2080FW™/PONDSEAL™

General Description

AquaBlok is a patented composite aggregate resembling small stones that is typically comprised of a dense aggregate core wrapped with an additive layer. In this application of the technology, crushed limestone typically serves as the core and powdered sodium bentonite clay is utilized as the coating or additive layer (Figure 1).

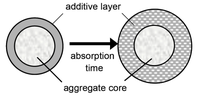


Figure 1. Configuration of stone-clay composite particle.

AquaBlok 2080FW (or PONDSEAL) is a freshwater-compatible formulation which is 20% clay by weight (based on the total quantity of raw material used in production). The high-solids content and consistency of the blend provides superior structural stability and reliable hydration/swell when exposed to water. This product will provide a low-permeable seal without the need for field blending or mechanical compaction.



Product Specifications

Aggregate Core:	Nominal AASHTO #8 (1/4-3/8") crushed limestone or non-calcareous substitute, as deemed project-appropriate (can be custom-sized to meet project-specific need)
Additive Layer	Bentonite Performance Minerals – BARA-KADE® Standard (or equivalent) ◦ High-swell Wyoming sodium (Na) bentonite clay (montmorillonite) Powdered (approx. 200 mesh); light grey; odorless
Binder:	Cellulosic polymer
Permeability:	1 x 10^{-7} to 1 x 10^{-9} cm/sec (depending on product thickness and overburden)
Dry Bulk Density:	88 – 90 lbs/ft³ (consolidated); 83 – 85 lbs/ft³ (loose)
Pre-Hydrated Moisture:	7 – 15% (maximum)

Product Storage & Handling

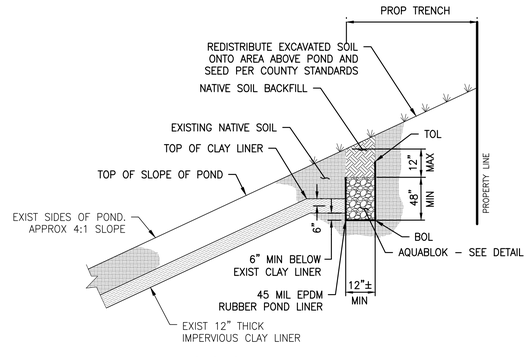
AquaBlok should always be stored under-roof or completely protected (i.e. tarped) from exposure to surface moisture (e.g. precipitation, run-off, excessive condensation) prior to placement. Storage in a temperature- and/or humidity-controlled environment is not necessary. However, always store in original packaging on a clean, dry pallet prior to installation.

Material can be placed using a wide range of commonly available construction equipment – e.g. loaders, excavators, conveyors. Care should be taken to keep equipment as dry as possible during handling. For optimum performance, AquaBlok should NOT be blended or mixed with resident soil. Mechanical compaction can further reduce permeability but is not necessary.

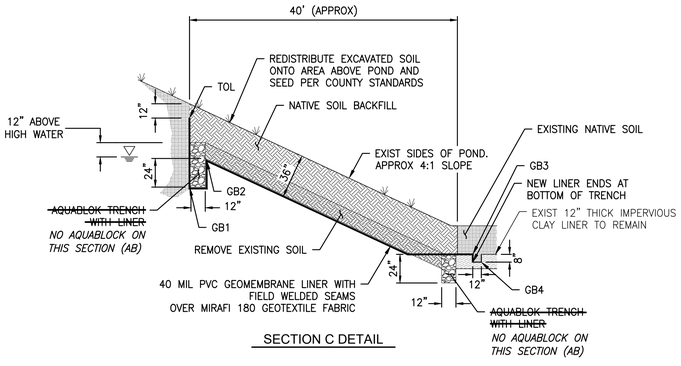
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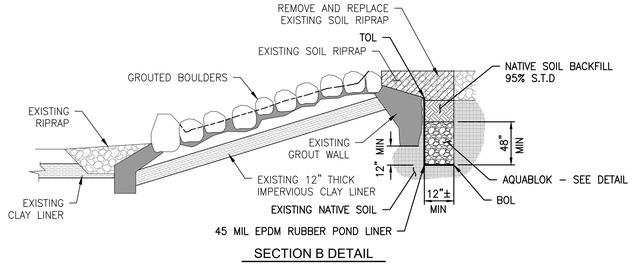
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Rev. 02/18/2016



SECTION A DETAIL



SECTION C DETAIL



SECTION B DETAIL

LEGEND - AS BUILT ELEVATIONS

BOL – ELEVATION AT BOTTOM OF LINER

GB1 – ELEVATION AT RUBBER LINER GRADE BREAK

GB2 – ELEVATION AT RUBBER LINER GRADE BREAK

GB3 – ELEVATION AT RUBBER LINER GRADE BREAK

GB4 – ELEVATION AT RUBBER LINER GRADE BREAK

TOL1 – ELEVATION AT TOP OF LINER

REPLACE AREA WITH ~~AQUABLOK~~ ~~AND~~ 40 MIL PVC LINER (AB)

POND LINER – SEE DETAILS FOR SIZE AND TYPE

NOTES

CONTOURS SHOWN WERE OBTAINED FROM INFORMATION PROVIDED BY OTHERS AND MAY NOT BE ACCURATE TO CURRENT SURFACE CONDITIONS

RECORD DRAWING

I HEREBY AFFIRM THAT THE PUBLIC IMPROVEMENTS FOR FALCON MARKETPLACE HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE ALTERNATE DESIGN PLANS

RICK

BY: _____
JOSEPH A. JEHN P.E. NO. 15756
FOR AND ON BEHALF OF RICK ENGINEERING COMPANY

(AB): DENOTES ASBUILT INFO

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FALCON MARKET PLACE
REGIONAL POND REMEDIAL REPAIR

PROJECT NO:	2415	SCALE:	1"=30'
DRAWN BY:	MCG–JAJ	DATE:	10/28/2026

C:\RICK\Projects\2022\02000\2415_FalconMarketplace\Civil\PlanSets\Asbuilt\2026-1023-PondLinerAsbuilt.dwg – plotted by: mjayton ON: 2026-10-28 @ 12:56 – ctbxrec_rics_v2.ctb – © 2026 Rick Engineering Company