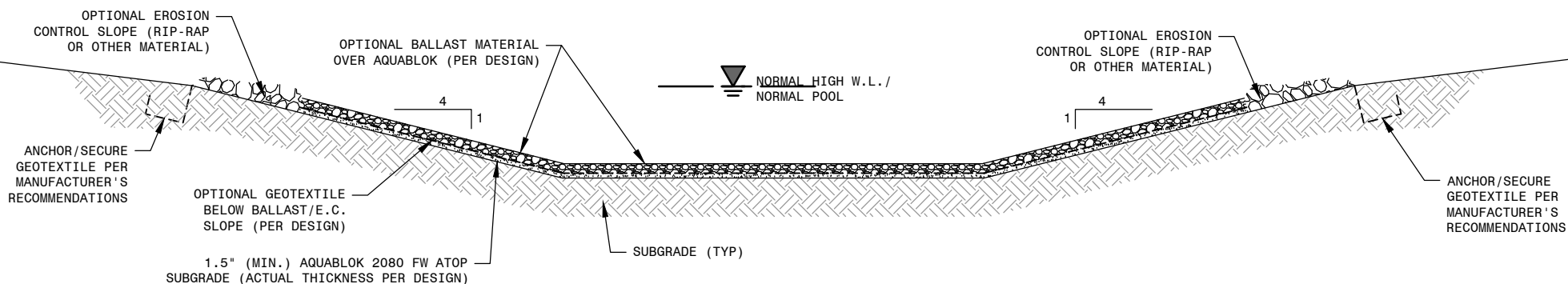


### STEEP SLOPE ALTERNATIVES

N.T.S.

NOTE:

- \* STEEP SLOPE INSTALLATION ALTERNATIVE TO BE USED WHEN SLOPE ANGLE OR SLOPE LENGTH DICTATE ADDITIONAL STABILITY



### POND CROSS-SECTION

N.T.S.

**NOTES:**

- THE POND LINING, SEALING, OR CAPPING/CLOSURE DIMENSIONS SHALL BE DIRECTED BY THE ENGINEER AND DEPICTED ON THE CONSTRUCTION DRAWINGS.
- SUBGRADE OF NEW POND CONSTRUCTION SHOULD BE RELATIVELY SMOOTH, WITH COMPACTION REQUIREMENTS DIRECTED BY ENGINEER.
- 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.
- 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.
- APPLIED COMPOSITE BENTONITE AGGREGATE (AQUABLOK 2080FW OR BLENDED BARRIER) THICKNESS SHALL BE IN ACCORDANCE WITH DESIGN, WITH A RECOMMENDED MINIMUM OF 1.5 INCHES.
- 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.
- 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.
- 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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