

BENCHMARKS:
 #1: "X" CUT CHISELED ON CURB INLET,
 8.9' S. & 27.5' W. OF THE NW COR., LOT
 22, BLOCK 1, QUAIL CROSSING ADDITION,
 PHASE 2, 22.3' EAST OF @ N. 159TH ST. E.
 ELEV. = 1370.15 (NAVD88)

#2: "X" CUT CHISELED ON CURB INLET,
 13.2' S. & 60.1' E. OF THE NE COR., LOT
 2, BLOCK A, THE RANCH 2ND ADDITION,
 24.9' WEST OF @ N. 159TH ST. E.
 ELEV. = 1369.05 (NAVD88)

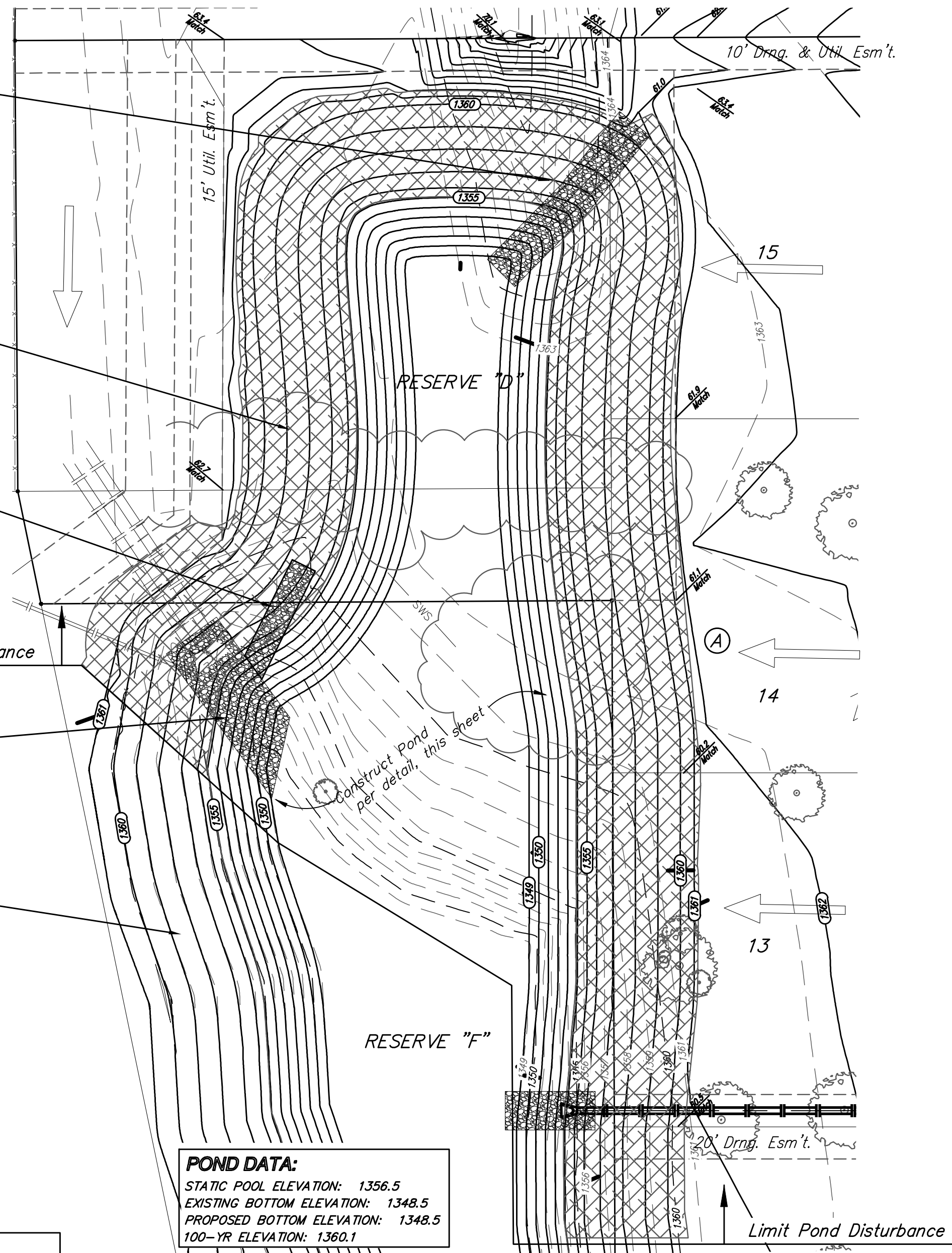
Install 84.0 S.Y. Light
 Stone Rip-Rap. See
 Typical, Sheet 4

Install 2,590 S.Y. North American Green Bionet
 S150BN Biodegradable Erosion Control Mat, or
 approved equal around pond as indicated (See
 Detail, This Sheet) Erosion control mat shall
 be installed and anchored per manufacturer's
 specifications. Note: This quantity is for
 information only and does not include excess
 material necessary for overlap and anchoring.

Remove 32.0 S.Y.
 Light Stone Rip-Rap.

Install 16.0 S.Y. Light Stone
 Rip-Rap. Reuse 32.0 S.Y. for
 Total of 48.0 S.Y.
 See Typical, Sheet 4

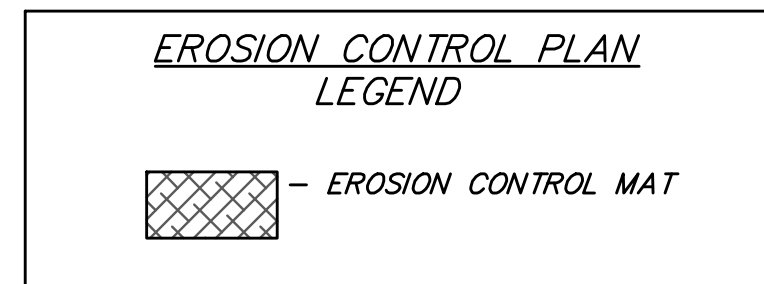
Existing Bentonite treated & stabilized
 slopes to remain. Contractor to retreat
 disturbed slopes with Bentonite & re-seed
 and mat as per typical section & notes.



POND DATA:

STATIC POOL ELEVATION:	1356.5
EXISTING BOTTOM ELEVATION:	1348.5
PROPOSED BOTTOM ELEVATION:	1348.5
100-YR ELEVATION:	1360.1

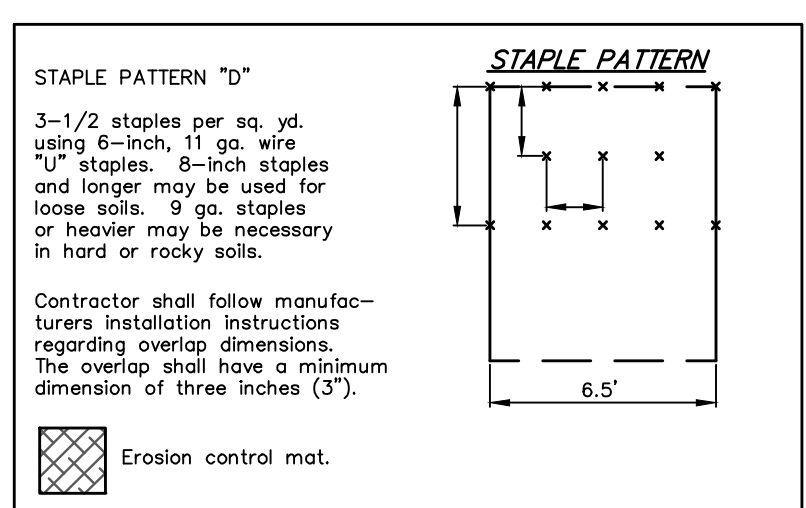
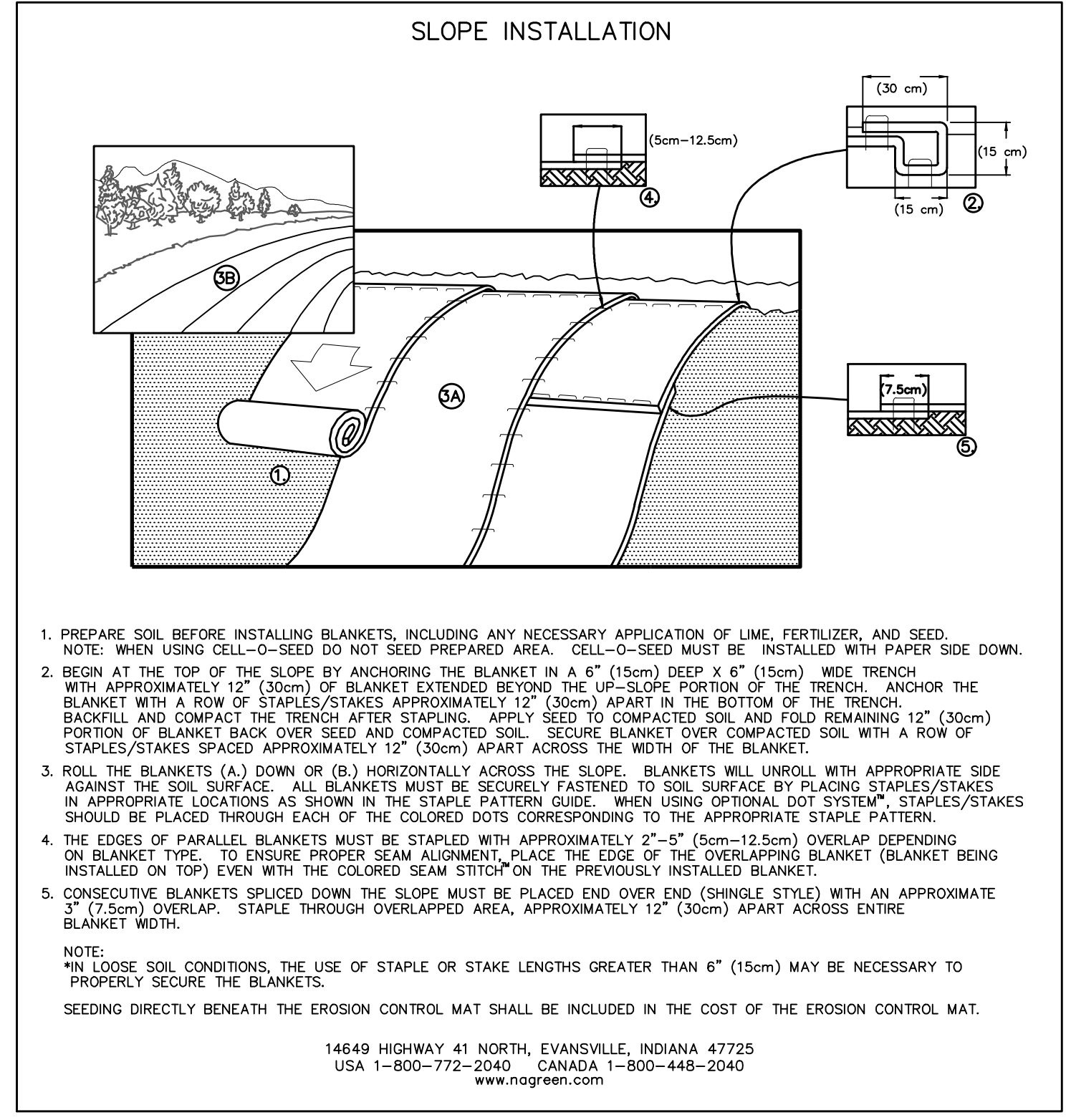
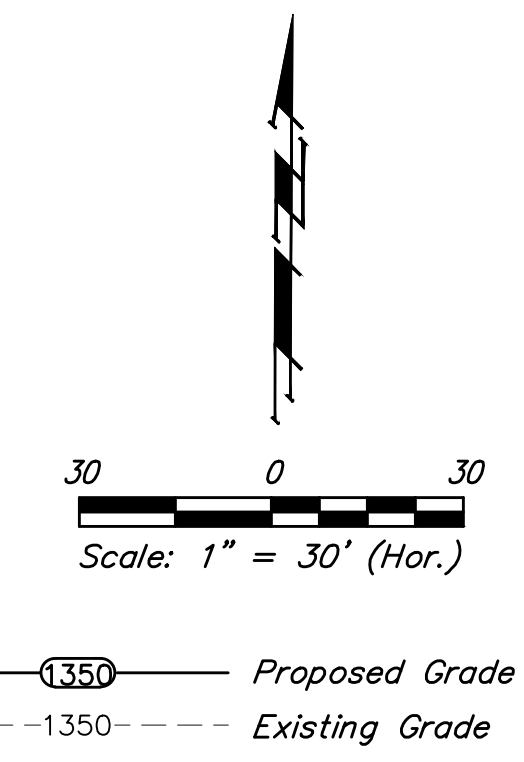
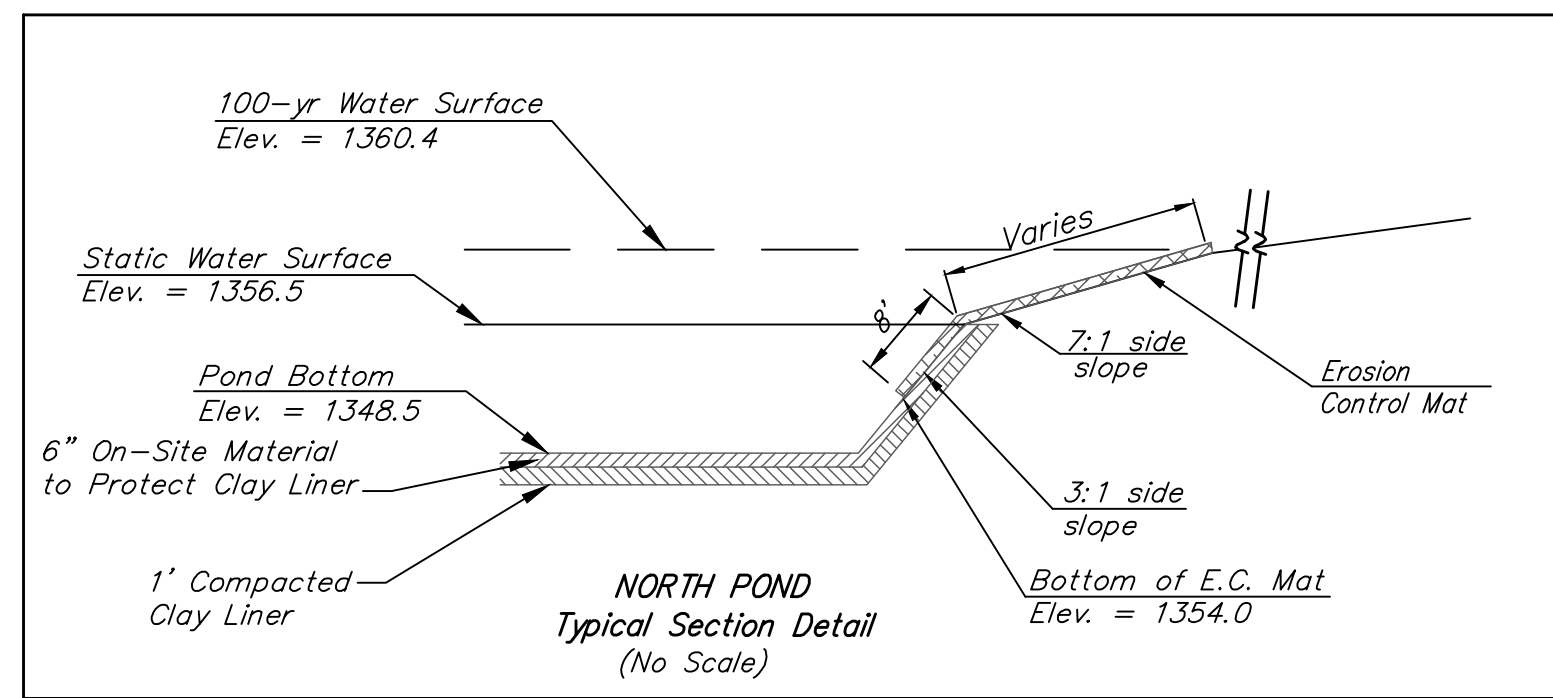
- POND NOTES:**
- Pond bottom and side slopes below static pool elevation shall be over-excavated 18" and a 12" clay liner shall be compacted to 95% std. density. The top 6" of the clay liner shall be modified with Wyoming Bentonite Clay at a rate of 4%. The plasticity index (P.I.) shall be at least 30. The compaction and P.I. shall be verified during construction. 6" of on-site material shall be distributed on top of the clay line below the static pool elevation. P.I. determination and compaction testing shall be arranged by the contractor at the request of the inspector. All costs for liner material, manipulation, compaction, testing, etc to be included in lump sum bid item, "Pond Sealing". All costs associated with Pond Construction including stripping top soil, excavation, shaping, compaction, hauling excess material, etc. shall be included in the bid item "Excavation".
 - All areas disturbed during construction shall be seeded, mulched, and fertilized as per Cover Sheet General Notes.
 - Install Erosion Control Mat around Pond as indicated (cost to be included in "Erosion Control Mat")
 - Contractor to strip top 4-6" of soil within street right-of-way and Reserve "D" and Reserve "F" before mass grading. Following pond construction, topsoil is to be spread over Reserve "D" and Reserve "F" above static water surface. (incidental to C.Y. "Excavation").
 - Compaction of 95% shall be obtained in all areas.
 - Earthwork Quantities reflect the best available topography at time of design. The Contractor shall satisfy himself with the Earthwork Quantities associated with Bid Items "Excavation" & "Grading, Mass" prior to bidding. No additional payments or change orders for earthwork will be accepted.



EARTH WORK TOTALS (CY, Unadjusted)
 *for information only

	Excavation	Fill
North Pond	8,410	0
South Pond	11,900	0
Mass Grading	7,390	34,660
Total Mass Grading	27,700	34,660

NOTE: No Contractor Borrow will be required.



Baughman The Ranch 2nd Addition
POND PLAN
 Stormwater Drain Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER
 2019-015117

DESIGN
 AEG

DRAWN
 HIW

APPROVED
 DATE
 10/07/19

SCALE
 Noted

SHEET
8 OF 20