



**BENCHMARKS:**  
**BM-1R**  
 SQUARE CUT ON TOP OF CURB 118.3± N.  
 & 6.4± W. OF SE. COR., LOT 7, BLOCK 2,  
 TURTLE RUN 3RD ADDITION.  
 ELEV. = 1390.32 NAVD88

**BM-2R**  
 SQUARE CUT ON TOP OF CURB 118.4± N.  
 OF SE. COR., LOT 6, BLOCK 2, TURTLE  
 RUN 2ND ADDITION.  
 ELEV. = 1391.04 NAVD88

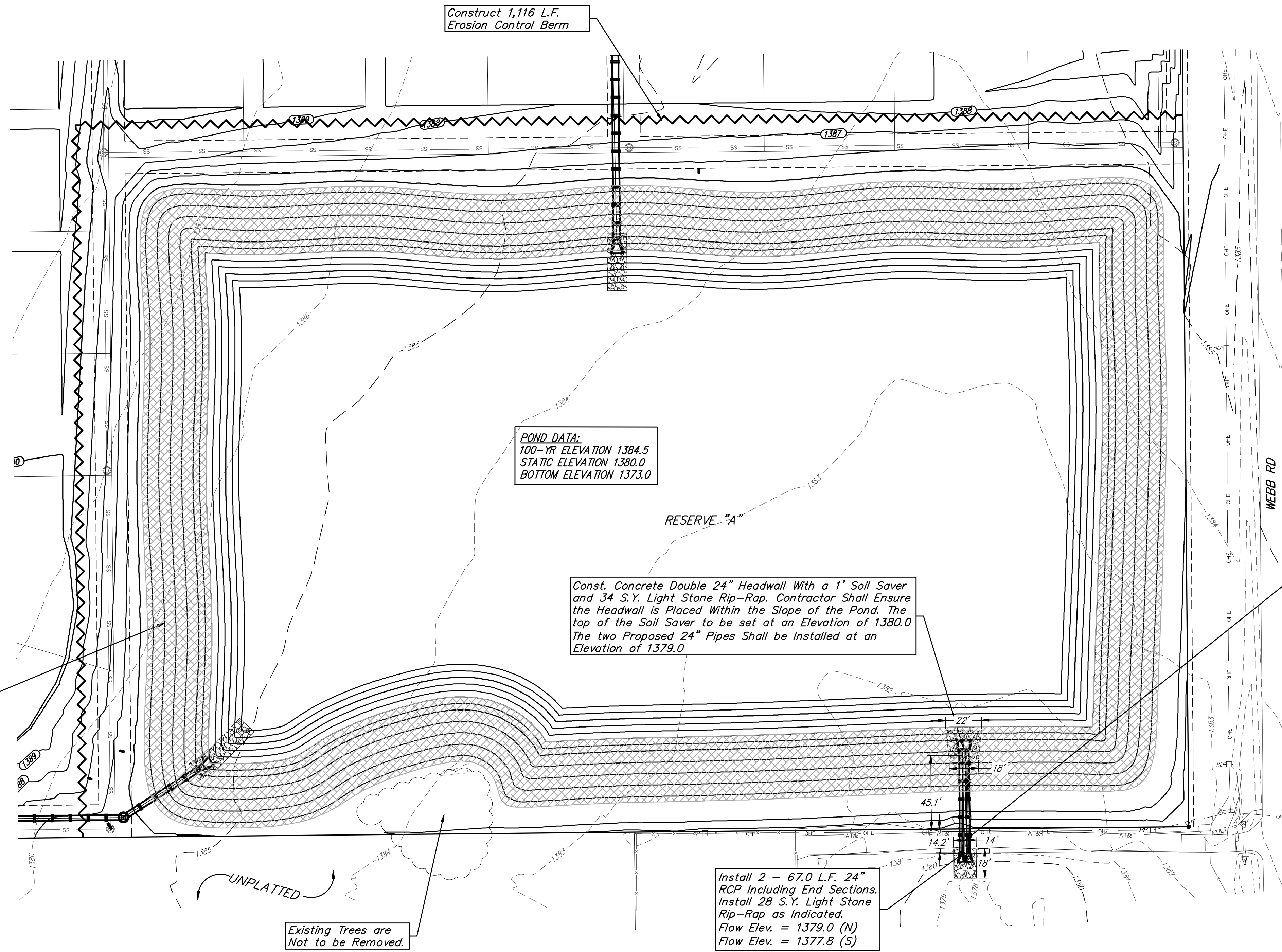
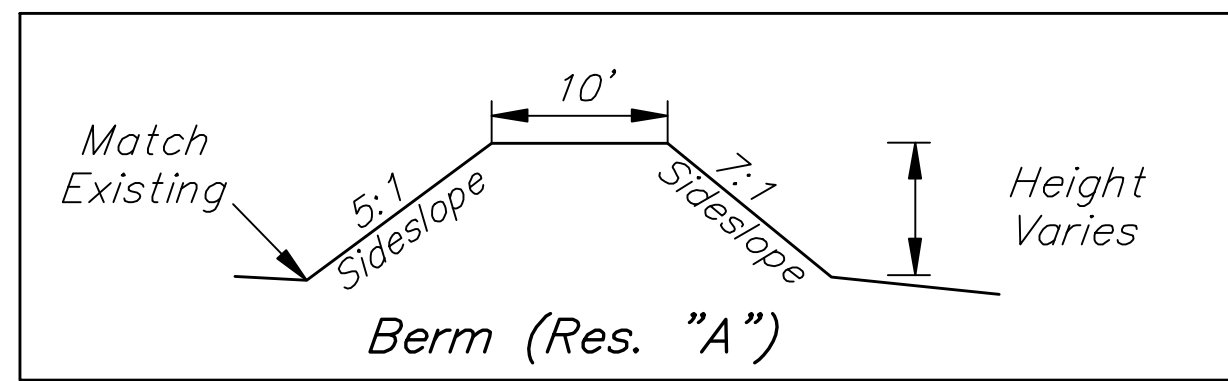
**EROSION CONTROL PLAN  
 LEGEND**

-  - EROSION CONTROL BERM
-  - EROSION CONTROL MAT

**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 liner 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 Biodegradable Erosion Control Mat (North American Green Bionet S150BN or approved equal) around pond as indicated (cost to be including in "Erosion Control")
- 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.

Install 7,113 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.

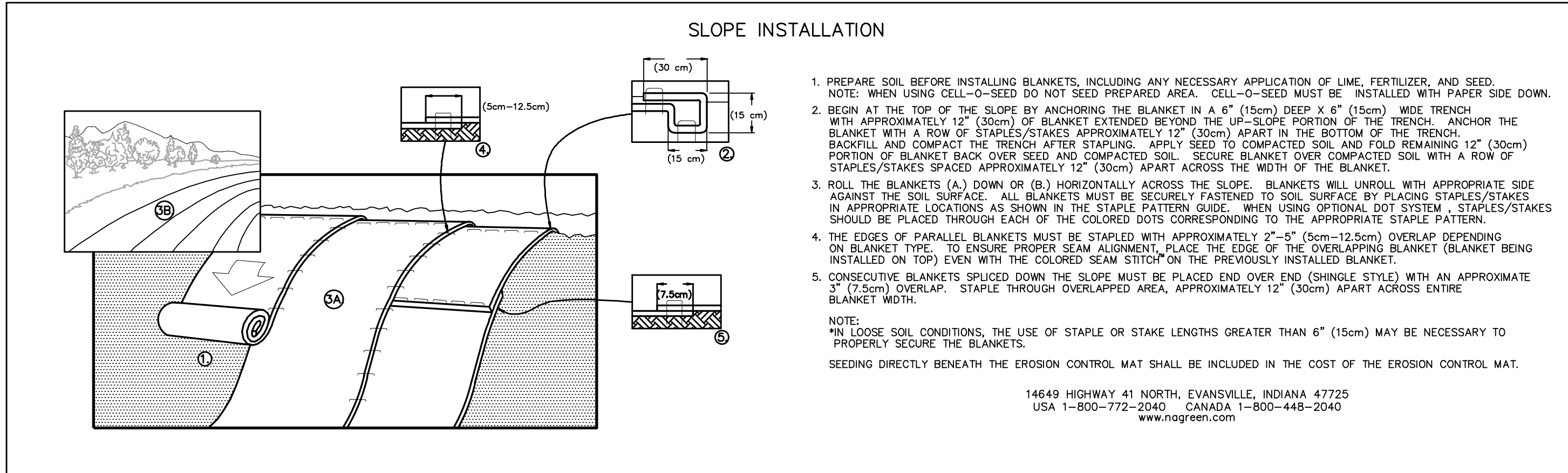
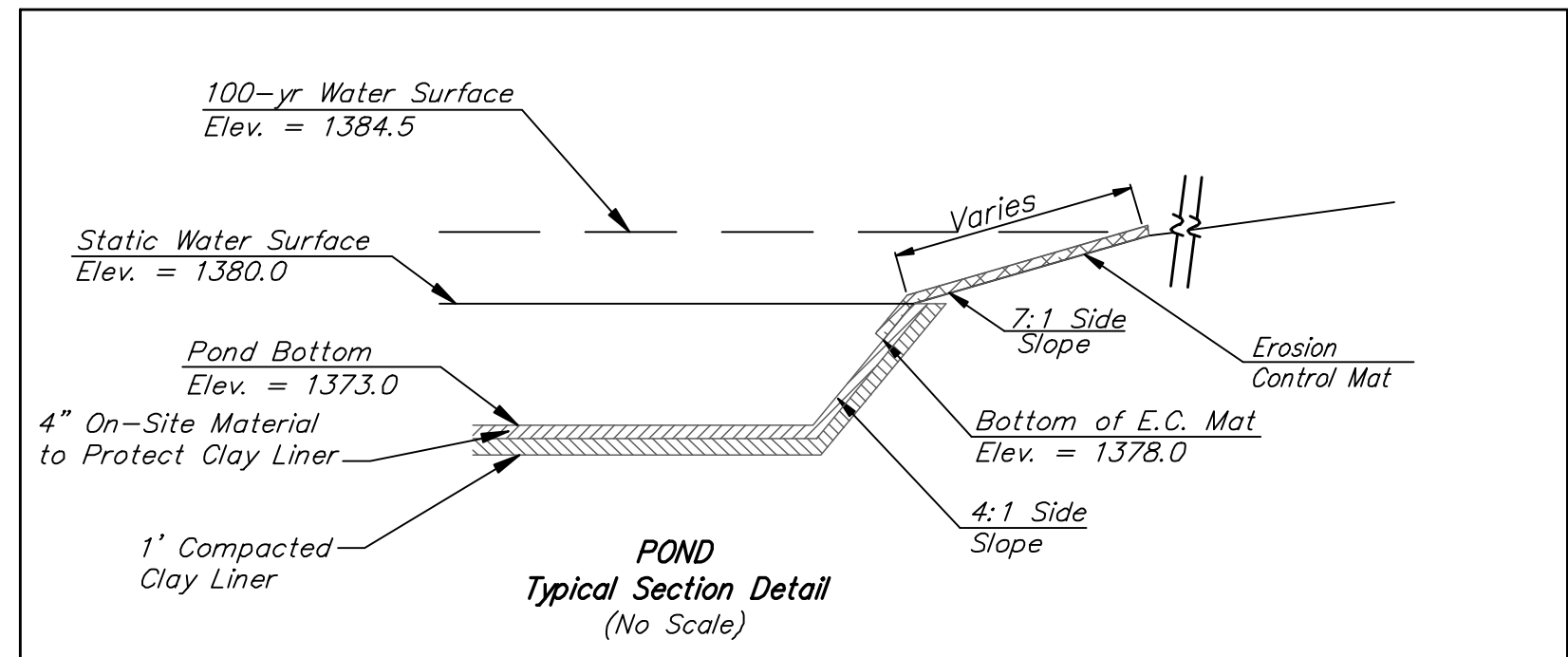


**POND DATA:**  
 100-YR ELEVATION 1384.5  
 STATIC ELEVATION 1380.0  
 BOTTOM ELEVATION 1373.0

Const. Concrete Double 24" Headwall With a 1' Soil Saver and 34 S.Y. Light Stone Rip-Rap. Contractor Shall Ensure the Headwall is Placed Within the Slope of the Pond. The top of the Soil Saver to be set at an Elevation of 1380.0 The two Proposed 24" Pipes Shall be Installed at an Elevation of 1379.0

Install 2 - 67.0 L.F. 24" RCP Including End Sections. Install 28 S.Y. Light Stone Rip-Rap as Indicated. Flow Elev. = 1379.0 (N) Flow Elev. = 1377.8 (S)

Contractor to Remove and Replace Concrete Drive with 200 S.F. of Concrete Drive 6" Matching the Existing Road in 10' on Both Sides of the Proposed Pipes. Cost of Driveway Removal and Repair Shall be Incidental to "Site Clearing and Restoration."



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**POND  
 PLAN**

STORM WATER DRAIN  
 IMPROVEMENTS

PROJECT NUMBER:  
 468-2023-085536

DESIGN: NBW DRAWN: JLD

DATE: June 12, 2023

SHEET OF  
**23 37**

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