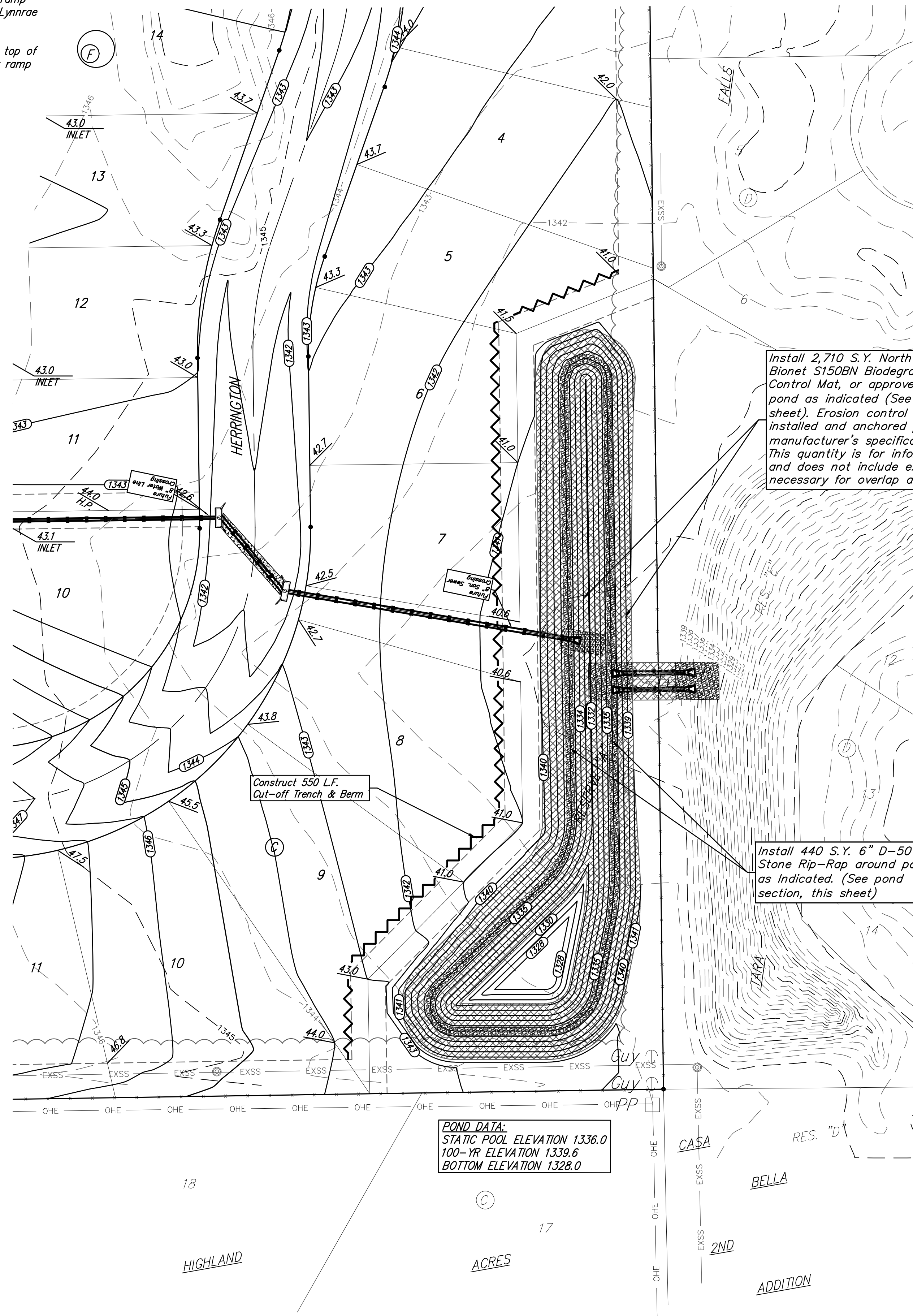


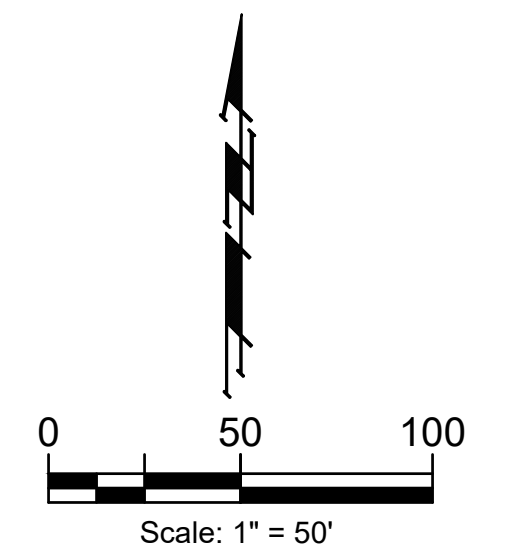
BENCHMARKS:
 Brass benchmark disc in top of curb, east of wheelchair ramp NE cor. of Funston and Lynnrae Elev. = 1343.69 NAVD88

Brass benchmark disc in top of curb, north of wheelchair ramp NW cor. of Funston and Herrington Elev. = 1344.71 NAVD88

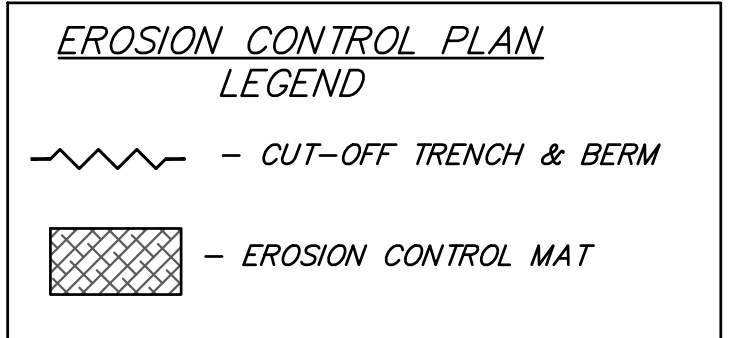


POND NOTES:

1. Pond bottom and sideslopes below static pool elevation shall be over-excavated 18" and a 1' clay liner shall be compacted to 95% std. density. An additional 6" of on-site material shall be placed over liner. The plasticity index (P.I.) shall be at least 27. The compaction and P.I. shall be verified during construction. P.I. determination and compaction testing shall be arranged by the Contractor at the request of the inspector. Cost shall be incidental to "Testing". Cost of over-excavation to install Clay Liner shall be incidental to bid item "Excavation"
2. Install Biodegradable Erosion Control Mat (North American Green Bionet S150BN or approved equal) around pond as indicated.
3. Contractor to strip top 4-6" of soil within street R/W's and Reserve "A" before mass grading and stockpile. Topsoil stockpile to be redistributed over Reserve "A" above water elevation prior to seeding (incidental to C.Y. Excavation).
4. Earthwork Quantities reflect the best available topography at time of design. The Contractor shall satisfy himself with the Earthwork Quantities associated with Bid Item "Excavation" prior to bidding. No additional payments or change orders for earthwork will be accepted.



— (1350) — Proposed Grade
 - - - 1350 - - - Existing Grade

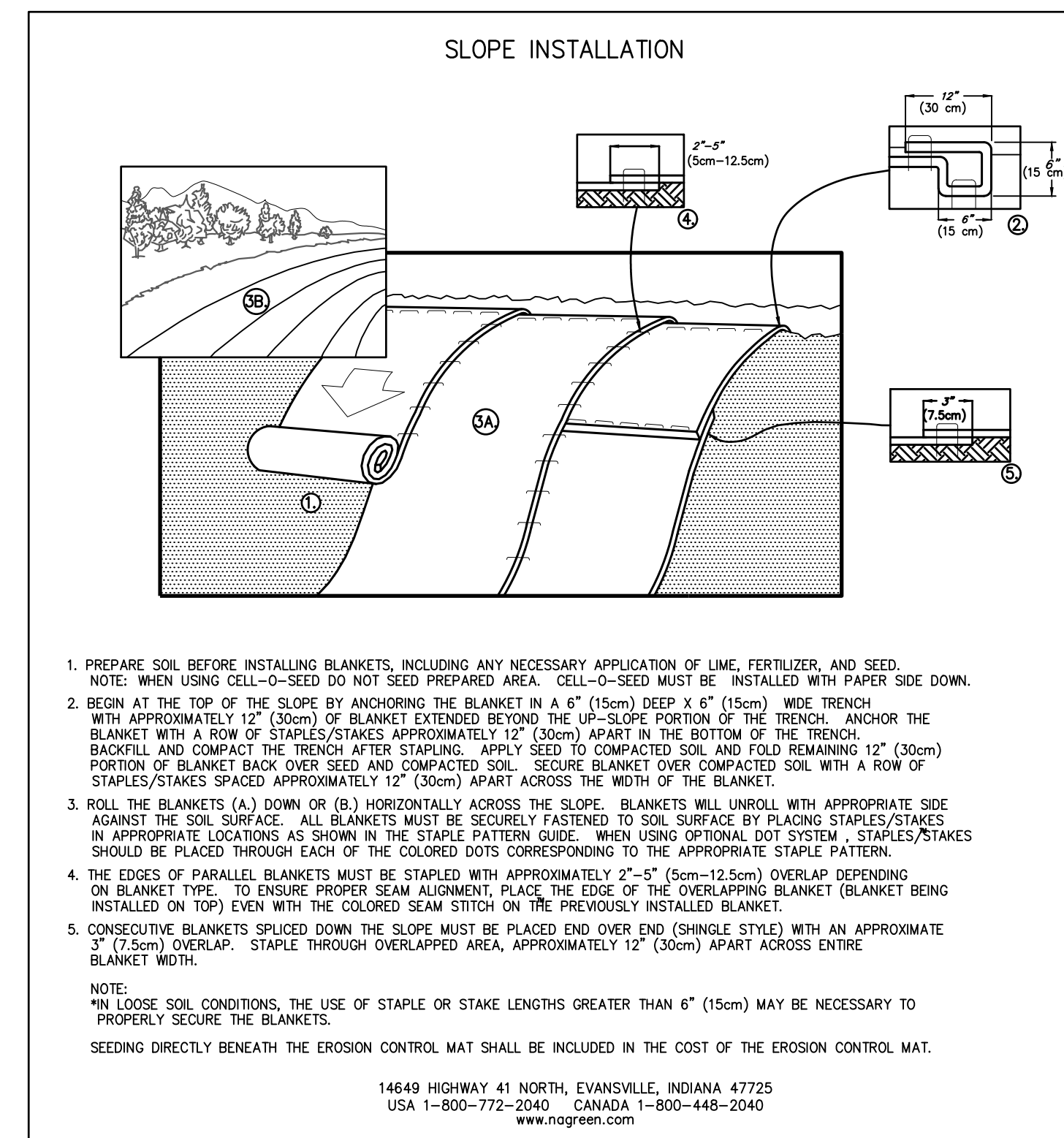


Install 2,710 S.Y. North American Green Bionet S150BN Biodegradable Erosion Control Mat, or approved equal around pond as indicated (See Detail, this sheet). Erosion control mat shall be installed and anchored per manufacturer's specifications. Note: This quantity is for information only and does not include excess material necessary for overlap and anchoring.

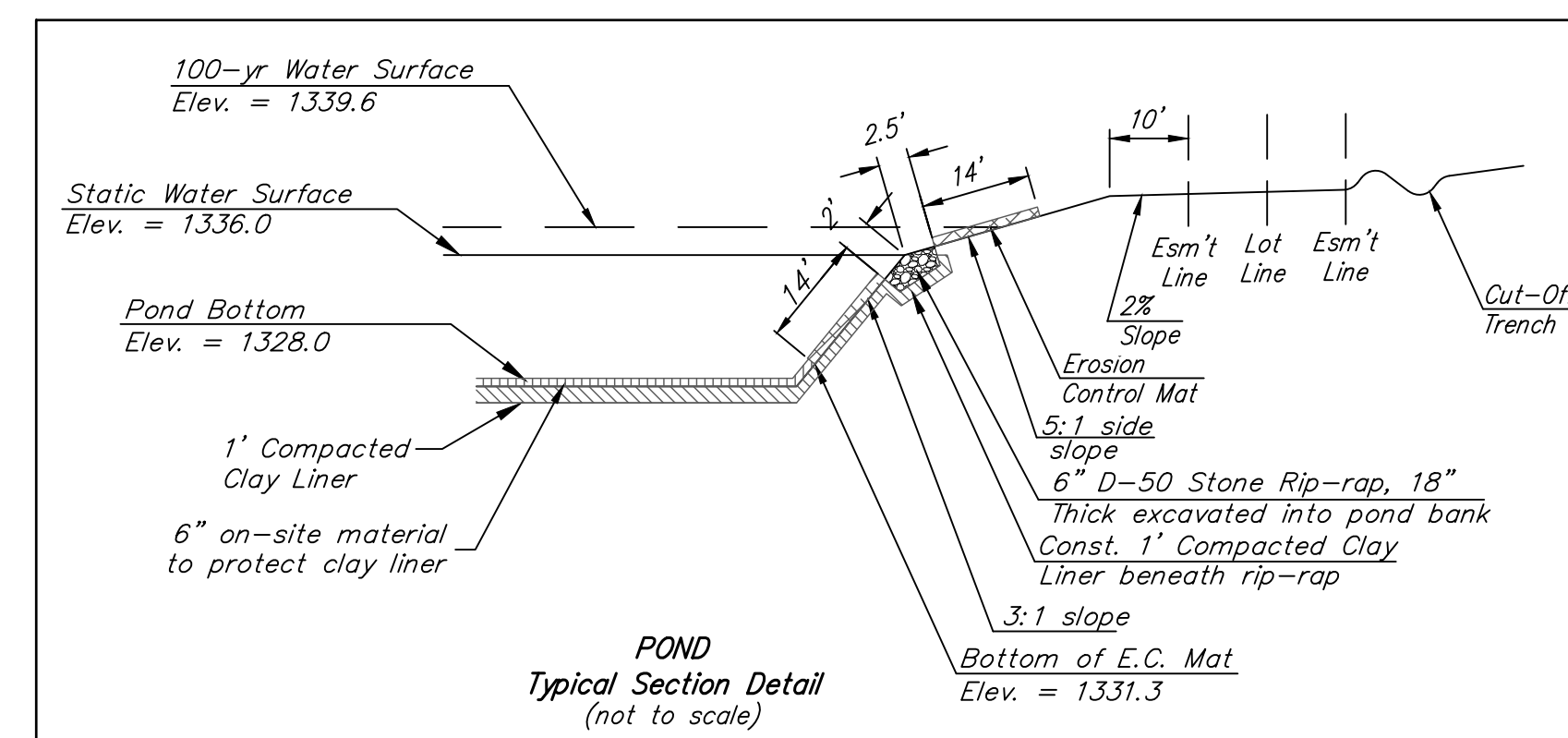
Construct 550 L.F. Cut-off Trench & Berm

Install 440 S.Y. 6" D-50 Stone Rip-Rap around pond as indicated. (See pond section, this sheet)

POND DATA:
 STATIC POOL ELEVATION 1336.0
 100-YR ELEVATION 1339.6
 BOTTOM ELEVATION 1328.0



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-0-SEED DO NOT SEED PREPARED AREA. CELL-0-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
 3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP, DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.
- NOTE:
 *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 SEEDING DIRECTLY BENEATH THE EROSION CONTROL MAT SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL MAT.
- 14649 HIGHWAY 41 NORTH, EVANSVILLE, INDIANA 47725
 USA 1-800-772-2040 CANADA 1-800-448-2040
 www.nogreen.com



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WILLOW CREEK EAST 3RD ADDITION - PHASE II

POND PLAN

STORM WATER DRAIN IMPROVEMENTS
 PROJECT NUMBER:
 DESIGN: DMV DRAWN: JAK
 DATE: April 14, 2021
 SHEET 11 OF 23

File: E:\Projects\Willow Creek East 3rd Addition_17-04-P283\Engineering\Phase 3\SWD.dwg