



Indiana Department of Environmental Management Office of Water Quality Wetlands Section

Publication Date:
November 15, 2024

Closing Date:
December 6, 2024

IDEM ID Number:
2024-851-40-JLB-VIOL

Corps of Engineers ID Number:
LRL-2022-01011

PUBLIC NOTICE

To all interested parties:

This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

- 1. Applicant:** Mike Miller
Country Squire Lake
3342 Country Manor East
North Vernon, IN 47265
- 2. Agent:** Jared Snoble
HWC Engineering
135 North Pennsylvania Street, Suite 2800
Indianapolis, IN 46204
- 3. Project location:** The project is located approximately 600 feet south of the intersection of Country Manor East and Ellingsworth Way in Jennings County.
- 4. Affected waterbody:** Country Squire Lake and Sixmile Creek
- 5. Project Description:** The applicant has begun dredging activities for sediment removal at Country Squire Lake and has applied for After-the-Fact 401 authorization to impact 2,500 linear feet and 15.2 acres of open water and Sixmile Creek. Additional information may be found online at <https://www.in.gov/idem/5474.htm>.

Comment period: Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

Public Hearing: Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

Questions? Additional information may be obtained from IDEM Project Manager Jake Brinkman at 317-306-8995 or jbrinkma@idem.in.gov. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to:

Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251 FAX: 317/232-8406

COUNTRY SQUIRE LAKES SEDIMENT MITIGATION PROJECT

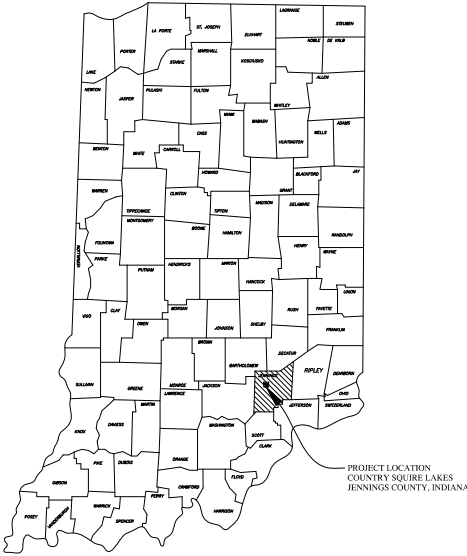
OCTOBER 2024



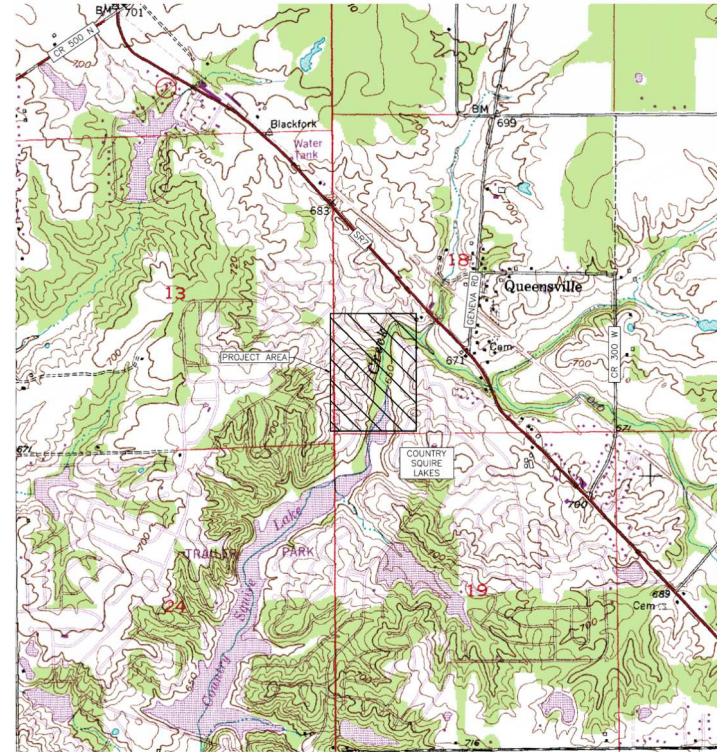
COUNTRY SQUIRE LAKES
SEDIMENT MITIGATION PROJECT

OCTOBER 2024
Job # 2022-299

Set #



Area Location Map



Site Location Map: Country Squire Lakes
SCALE: 1" = 1,000'



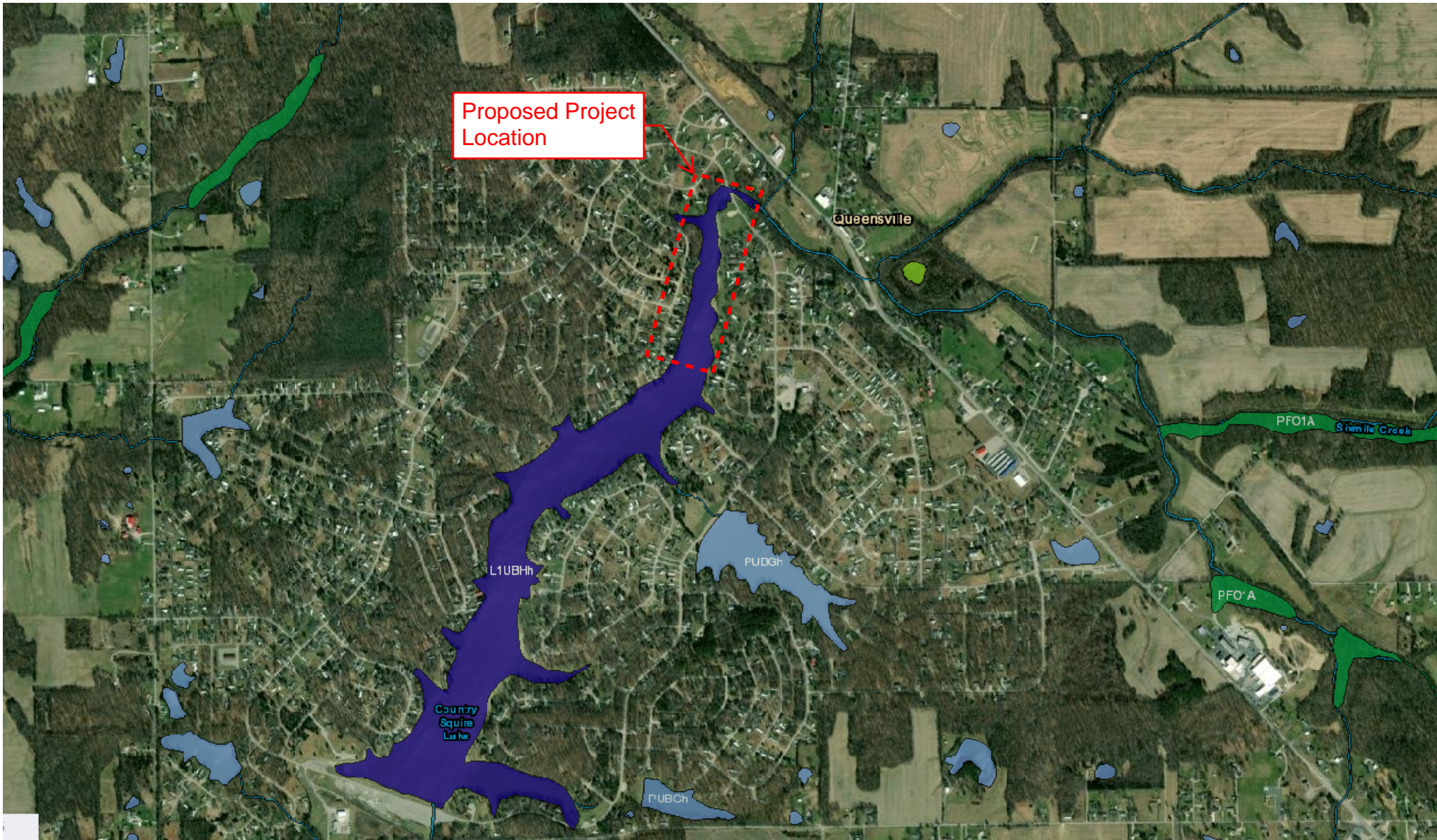
INDIANAPOLIS - TERRE HAUTE
LAFAYETTE - NEW ALBANY - MUNCIE
www.hwcengineering.com



Bryan Grotz
BRYAN GROTZ, PE

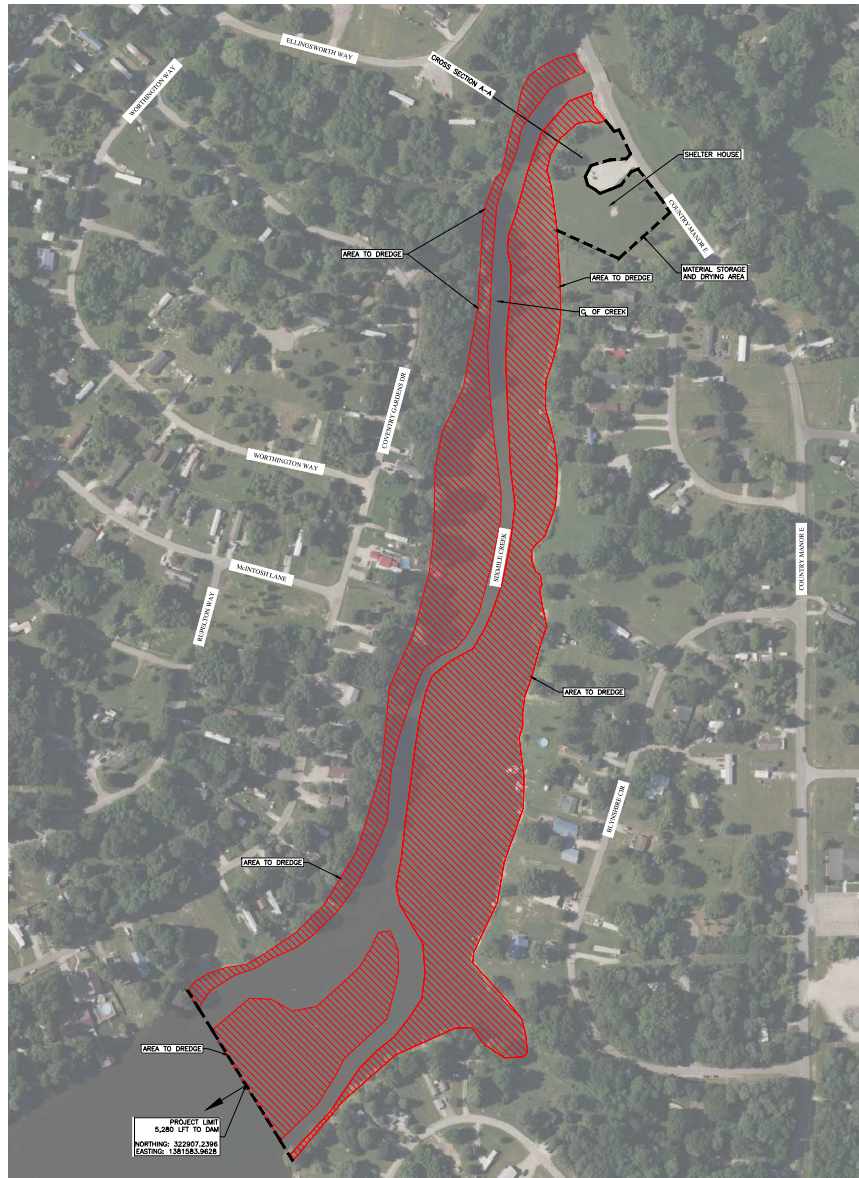
NO. PE11700757

OCTOBER 8, 2024
DATE



Country Squire Lakes Sediment Mitigation
Wetland Exhibit

W:\Country Squires Lakes\2022-299-S CSL - Sedimentation Mitigation\Design\CAD\2022-299-C.dwg



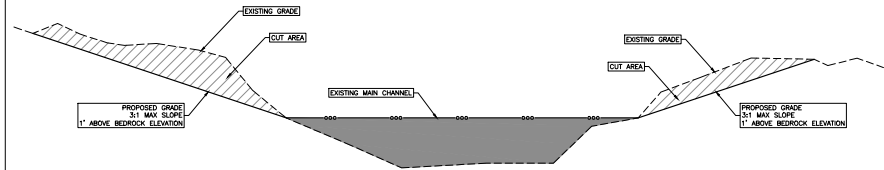
1 COUNTRY SQUIRE LAKES SITE
SCALE: 1" = 150'

AREA TO DREDGE

- GENERAL NOTES:**
1. THE ONLY ACCESS TO THE PROJECT SITE IS AT THE SHELTER HOUSE, SEE SHEET EC1 FOR LOCATION OF TEMPORARY CONSTRUCTION ACCESS.
 2. LAKE WILL BE DRAINED STARTING IN JULY. DRAW DOWN WILL ALLOW SEDIMENT AREAS TO BECOME DRY. FLOW WILL REMAIN WITHIN THE CHANNEL. EXHAUSTION OF SEDIMENT WILL TAKE PLACE TO 1.0' ABOVE THE BEDROCK WHICH ELEVATION IS SHOWN WITHIN THE PATRIOT ENGINEERING GEOPHYSICS REPORT. THERE SHALL BE NO DISTURBANCE TO THE TOP OF BANK OF THE LAKE.
 3. BEDROCK NOT TO BE DISTURBED DUE TO CONCERNS OF CREATING FLOW PATHS THRU BEDROCK.
 4. CONTRACTOR TO FOCUS INITIAL DREDGING ON CREATING PATHWAYS TO EXISTING DOCK LOCATIONS.

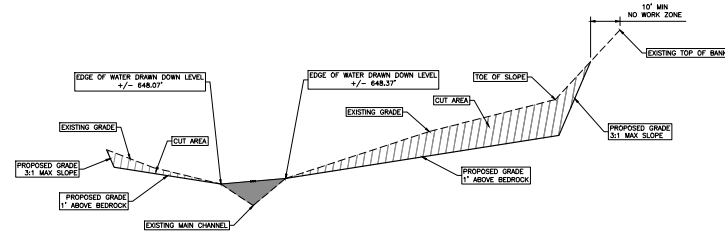


REVISIONS		
DATE	DESCRIPTION	BY
9/29/2024	ADDENDUM 1	JS



2 TYPICAL CROSS SECTION
NO SCALE

- NOTES:**
1. CONTRACTOR RESPONSIBLE FOR DETERMINING FINAL DREDGING EXTENTS/QUANTITY. NO CONSTRUCTION ACTIVITIES TO BE PERFORMED WITHIN ONE (1) MILE OF EXISTING COUNTRY SQUIRE LAKE DAM.
 2. FINAL EXTENTS TO BE DETERMINED DURING BID. OWNERS HAS A SET AMOUNT OF FUNDS TO SPEND. CONTRACTOR TO PROVIDE BEDROCK ELEVATIONS AND CROSS SECTION EVERY 100 FEET PRIOR TO AN EXCAVATION ACTIVITIES.
 3. DO NOT DISTURB BEDROCK. A MINIMUM OF 1.0' OF SEDIMENT TO BE LEFT OVER THE BEDROCK. BEDROCK DEPTH SHOULD BE PROBED PRIOR TO EXCAVATION.
 4. CONTRACTOR TO PHASE DREDGING TO ALLOW DRYING OF SEDIMENT. SEDIMENT WILL BE DRED AT TWO LOCATIONS, AT THE SIZEMORE PROPERTY AND AT THE JENNINGS NORTHWEST REGIONAL SEWER DISTRICT. SEDIMENT TO BE PLACED WITH SILT FENCE ON A SIMILAR MEASURE DOWN STREAM TO PREVENT SEDIMENT RUNOFF.
 5. DREDGED MATERIAL TO BE DISPOSED OFFSITE IN PREVIOUSLY AGREED UPON DESIGNATED AREA IN ACCORDANCE WITH ALL LOCAL AND STATE STANDARDS
 6. RUBBER TIRES ARE TO BE USED FOR ANY TRAVEL ON BEDROCK. USE STEEL TRACK EQUIPMENT ONLY WHEN NECESSARY. MATS ARE TO BE UTILIZED IF STEEL TRACK EQUIPMENT NEEDS TO TRAVEL ACROSS CHANNEL.
 7. CONTRACTOR TO PERFORM SURVEILLANCE OF WORK AREA & NEARBY DAILY TO LOOK FOR THE PRESENCE OF WHIRL POOLS. WHIRLPOOL ACTION PLAN TO BE FOLLOWED IF A WHIRLPOOL SHOULD DEVELOP.
 8. CONTRACTOR REQUIRED TO CARRY \$1 MILLION BOND FOR ANY DAMAGE DONE TO EXISTING COUNTY ROADS MADE PAYABLE TO JENNINGS COUNTY COMMISSIONERS. THIS BOND CAN BE INCLUDED IN THE PERFORMANCE BOND.



3 CROSS SECTION A-A
NO SCALE

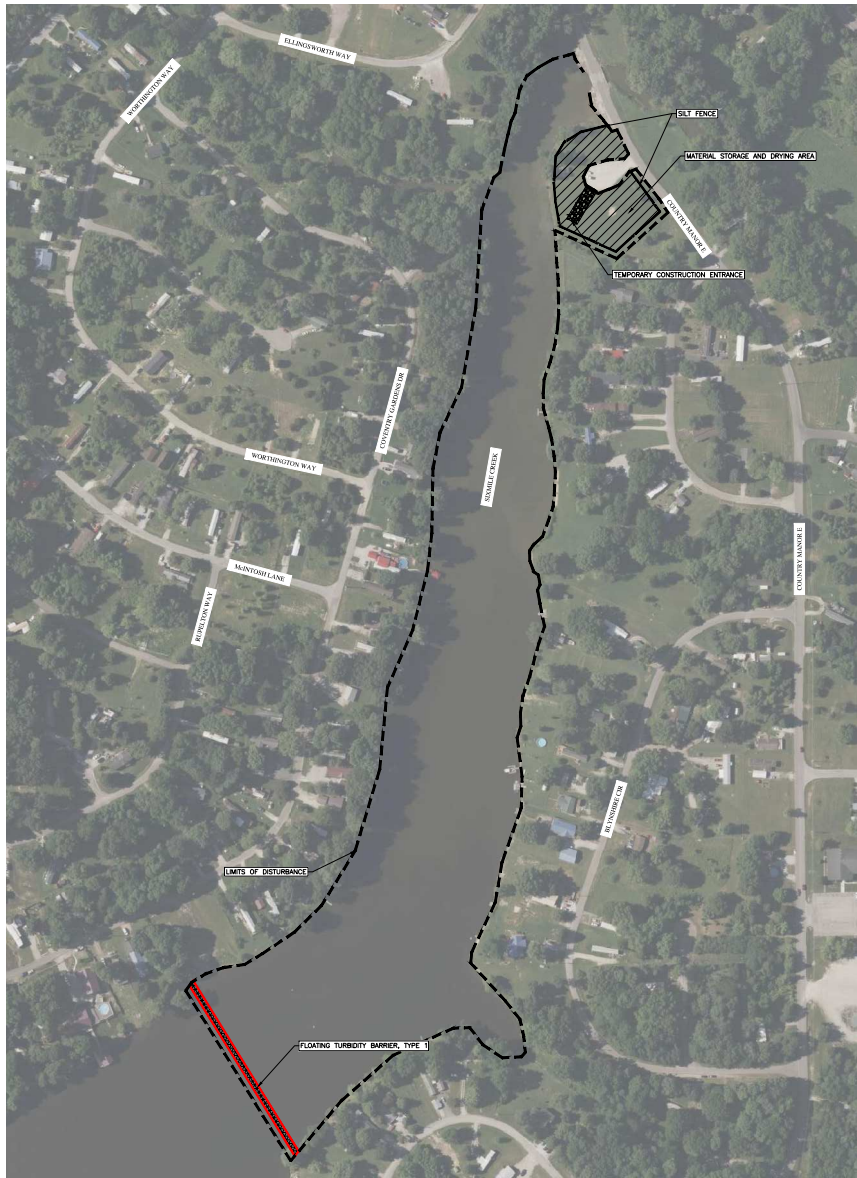
COUNTRY SQUIRE LAKES
SEDIMENT MITIGATION PROJECT
CROSS SECTION



DRAWN BY: CAS
CHECKED BY: BO/JS
DATE: OCTOBER 8, 2024
SCALE: AS SHOWN
SHEET

C1
CROSS SECTION

W:\Country Squire Lakes\2022-299-S CSL - Sedimentation Mitigation\Design\CAD\2022-299-299-C.dwg



1 COUNTRY SQUIRE LAKES SITE
SCALE: 1" = 150'

EROSION CONTROL NOTES:

1. TEMPORARY CONSTRUCTION ENTRANCES SHALL BE USED TO MOVE EQUIPMENT ON AND OFF ROADWAYS TO ACCESS THE SITE.
2. SOIL DISPOSAL AND STAGING AREAS SHALL BE SURROUNDED BY SILT FENCE OR SIMILAR MEASURE TO PREVENT SEDIMENT FROM LEAVING THE DISPOSAL SITE.
3. INSPECT LAKE/WORK AREA FOR THE FORMATION OF FLOW PATHWAYS OR WHIRLPOOLS AFTER EACH RAIN EVENT OF 1" OR GREATER. CONSULT ERM IN THE PERIODIC REPORT.
4. MANDATORY ALTERNATE #1: SEDIMENT DEPOSITED AT THE JENNINGS NORTHWEST REGIONAL SEWER DISTRICT SHALL BE SPREAD AND DISCED INTO THE EXISTING SOIL.



Call 811 or 800-382-5544 Before you Dig!



1 DISPOSAL SITE
SCALE: 1" = 1,000'

DISPOSAL NOTES:

1. THE PRIMARY DISPOSAL SITE IS SITE ONE (SIZEMORE PROPERTY), IF NEEDED AN ADDITIONAL DISPOSAL SITE IS LOCATED AT THE JENNINGS NORTHWEST REGIONAL SEWER DISTRICT.
2. ACCESS TO DISPOSAL SITE(S) SHALL NOT GO OVER THE DAM FOR EITHER LAKE. ANTICIPATED ROUTE SHOWN ABOVE FROM COUNTRY MANOR W. TO CR 500 N. TO W. COUNTY ROAD 350 W.
3. DREDGED MATERIAL IS TO BE STOCK PILED WITH PROPER EROSION CONTROL MEASURES AT DISPOSAL SITE(S) UNLESS DIRECTED OTHERWISE.

REVISIONS

DATE	DESCRIPTION	BY
7/9/2024	ADDENDUM 1	JS

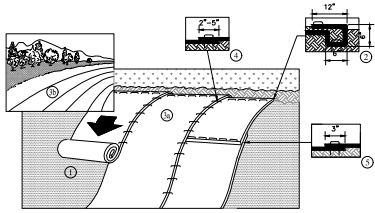


COUNTRY SQUIRE LAKES
SEDIMENT MITIGATION PROJECT
EROSION CONTROL PLAN



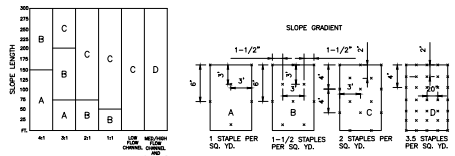
DRAWN BY: CAS
CHECKED BY: BG/JS
DATE: OCTOBER 8, 2024
SCALE: AS SHOWN
SHEET: 1

EC1
EROSION CONTROL PLAN

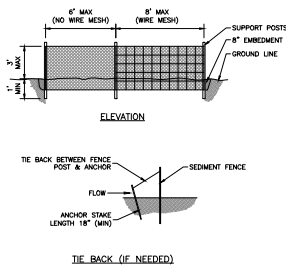


- NOTES:**
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIMC, FERTILIZERS, AND SEED.
 2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP x 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S EXTENDING BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) ACROSS THE WIDTH OF THE RECP'S.
 3. ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
 5. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S WIDTH.
- NOTE:**
- * IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP'S.

STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION CONTROL BLANKETS. STAPLE PATTERNS WILL VARY DEPENDING UPON SLOPE LENGTH, SLOPE GRADE, SOIL TYPE AND AVERAGE ANNUAL RAINFALL.

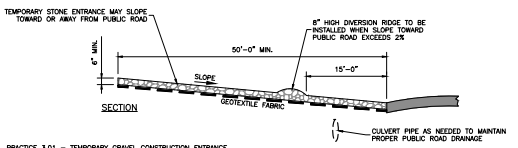
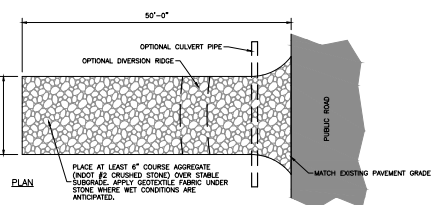


1 EROSION CONTROL BLANKET SLOPE INSTALLATION
NO SCALE



- NOTES:**
1. TRENCH: 6" MIN. DEPTH, FILLED WITH COMPACTED SOIL OR GRAVEL.
 2. SUPPORT POSTS: 2"x4" HORIZONTAL POSTS ON STEEL FENCE POSTS.
 3. SPACING OF POSTS: 8" MAX WITH SUPPORT WIRE, 6" MAX WITH EXTRA-STRENGTH FABRIC & NO WIRE MESH.
 4. SUPPORT WIRE: 14 GAUGE, 8" MESH WIRE FENCE.
 5. FENCE FABRIC: WOVEN OR NON-WOVEN GEOTEXTILE FABRIC WITH SPECIFIED FILTERING EFFICIENCY AND TENSILE STRENGTH AND CONTAINING UV INHIBITORS AND STABILIZERS TO ENSURE 6 MO. MIN. LIFE AT TEMP. 9°-120° F.
- SITE PREPARATION:**
1. PLAN FOR THE FENCE TO BE AT LEAST 10 FT. FROM THE TOE OF THE SLOPE TO PROVIDE A SEDIMENT STORAGE AREA.
 2. PROVIDE ACCESS TO THE AREA IF SEDIMENT CLEANOUT WILL BE NEEDED.
- FENCE CONSTRUCTION:**
1. ALONG THE ENTIRE INTENDED FENCE LINE DIG AN 8" TRENCH. ON THE DOWNSLOPE SIDE OF THE TRENCH, DRIVE THE SUPPORT POSTS AT LEAST 1.0 FEET INTO THE GROUND. ADJUST SPACING, IF NECESSARY TO ENSURE THAT POSTS ARE SET AT THE LOW POINTS ALONG THE FENCE LINE.
 2. FASTEN SUPPORT WIRE FENCE TO THE UPSLOPE SIDE OF THE POSTS EXTENDING IT 8" INTO THE TRENCH.
 3. RUN A CONTINUOUS LENGTH OF GEOTEXTILE FABRIC IN FROM (UPSLOPE) OF THE SUPPORT WIRE AND POSTS, AVOIDING JOINTS, PARTICULARLY AT LOW POINTS IN THE FENCE LINE. IF A JOINT IS NECESSARY, HALVE THE OVERLAP TO THE NEAREST POST WITH TAPE.
 4. PLACE THE BOTTOM 1" OF FABRIC IN THE TRENCH, EXTENDING THE REMAINING 4" TOWARD THE UPSLOPE SIDE.
- *IF USING A PRE-PACKED COMMERCIAL SILT FENCE, FOLLOW MANUFACTURER'S INSTRUCTIONS.

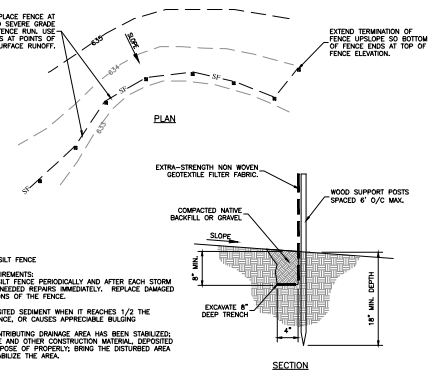
2 SILT FENCE DETAIL
NO SCALE



- PRACTICE 3.01 - TEMPORARY GRAVEL CONSTRUCTION ENTRANCE**
- MAINTENANCE REQUIREMENTS:**
1. INSPECT ENTRANCE PAD WEEKLY, AFTER STORM EVENTS, AND AFTER HEAVY USE. RESHAPE PAD AS NEEDED TO MAINTAIN DRAINAGE AND RUNOFF CONTROL.
 2. TOP DRESS WITH STONE TO MAINTAIN 6" CLEAN DEPTH THROUGHOUT ENTRANCE.
 3. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROAD. CLEAN BY SCRAPING OR SWEEPING ONLY. DO NOT FLUSH WITH WATER UNLESS SEDIMENT TRAP IS INSTALLED IN ROADWAY DRAINAGE IMPROVEMENTS.

3 SILT FENCE
NO SCALE

4 TEMPORARY STONE CONSTRUCTION ENTRANCE
NO SCALE



3 SILT FENCE
NO SCALE

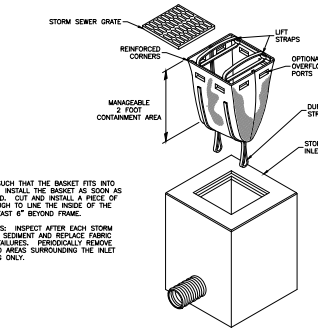
- WHERE POSSIBLE, PLACE FENCE AT LEVEL GRADE. WHERE SEVERE GRADE CHANGES ALONG FENCE RUN, USE OTHER MEASURES AT POINTS OF CONCENTRATED SURFACE RUNOFF.**
- EXTEND TERMINATION OF FENCE UPSLOPE SO BOTTOM OF FENCE ENDS AT TOP OF SLOPE ELEVATION.**
- EXTRA-STRENGTH NON-WOVEN GEOTEXTILE FILTER FABRIC.**
- WOOD SUPPORT POSTS SPACED 6" O/C MAX.**
- COMPACTED NATIVE BACKFILL OR GRAVEL.**
- EXCAVATE 8" DEEP TRENCH.**
- 18" MIN. DEPTH.**
- 4"**
- 6"**
- 50'**
- 12'**
- 50'-0"**
- OPTIONAL DIVERSION RIDGE**
- OPTIONAL CULVERT PIPE**
- PUBLIC ROAD**
- MATCH EXISTING PAVEMENT GRADE**
- PLACE AT LEAST 6" COURSE AGGREGATE (NOT 1/2" GRAVEL) OVER STABLE SUBGRADE. APPLY GEOTEXTILE FABRIC UNDER STONE WHERE WET CONDITIONS ARE ANTICIPATED.**
- TEMPORARY STONE ENTRANCE MAY SLOPE TOWARD OR AWAY FROM PUBLIC ROAD**
- 6" MIN.**
- 50'-0" MIN.**
- 8" HIGH DIVERSION RIDGE TO BE INSTALLED WHEN SLOPE TOWARD PUBLIC ROAD EXCEEDS 2%**
- 15'-0"**
- CULVERT PIPE AS NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE**
- PRACTICE 3.74 - SILT FENCE**
- MAINTENANCE REQUIREMENTS:**
1. INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT, AND MAKE NEEDED REPAIRS IMMEDIATELY. REPLACE DAMAGED OR SAGGED PORTIONS OF THE FENCE.
 2. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE, OR CAUSES APPRECIABLE BULGING.
 3. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND OTHER CONSTRUCTION MATERIAL, DEPOSITED SEDIMENT, AND DISPOSE OF PROPERLY. BRING THE DISTURBED AREA TO GRADE AND STABILIZE THE AREA.

REVISIONS		
DATE	DESCRIPTION	BY
9/9/2024	ADDENDUM 1	JS



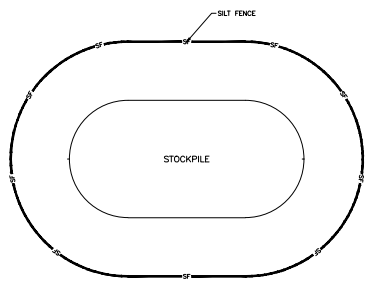
COUNTRY SQUIRE LAKES
SEDIMENT MITIGATION PROJECT

EROSION CONTROL DETAILS



- NOTES:**
1. METAL BASKET SHALL BE SUCH THAT THE BASKET FITS INTO THE INLET WITHOUT GAPS. INSTALL THE BASKET AS SOON AS INLET BODIES ARE INSTALLED. CUT AND INSTALL A PIECE OF FILTER FABRIC UNDER EACH CORNER TO LINE THE INSIDE OF THE BASKET AND EXTEND AT LEAST 6" BEYOND FRAME.
 2. MAINTENANCE REQUIREMENTS: INSPECT AFTER EACH STORM EVENT. REMOVE BUILT UP SEDIMENT AND REPLACE FABRIC AS NECESSARY TO AVOID FAILURES. PERIODICALLY REMOVE SEDIMENT FROM THE INLET AREAS SURROUNDING THE INLET BY SCRAPING OR SWEEPING ONLY.

3 BASKET INLET PROTECTION DETAIL
NO SCALE



6 STOCK PILE DETAIL
NO SCALE

PAUL PATRICK BOGGS
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA
No. PE110325

Drawn by: *Adam Best*

DRAWN BY: CAS
CHECKED BY: BO/JS
DATE: OCTOBER 8, 2024
SCALE: AS SHOWN
SHEET

EC3
EROSION CONTROL
DETAILS



Photo 1: Standing on east bank of creek looking southeast



Photo 2: Standing on east bank of creek looking south

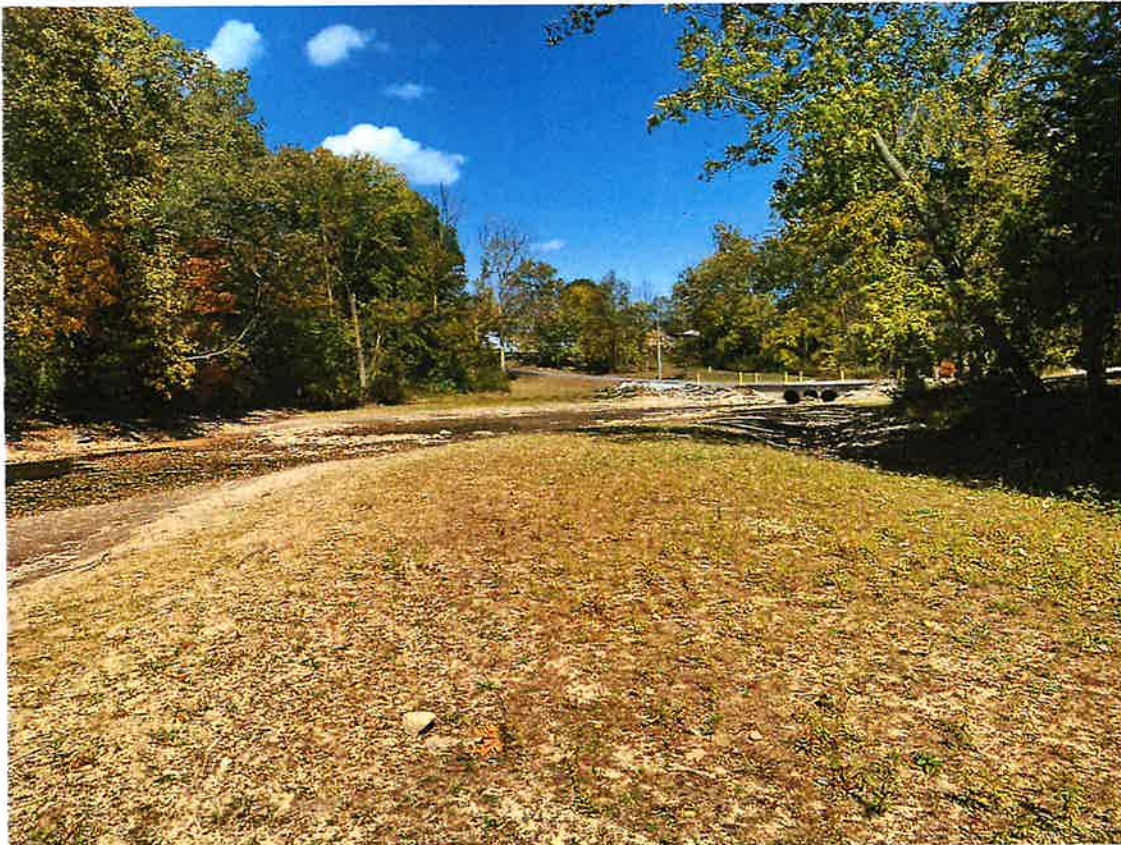


Photo 3: Standing on east bank of creek looking north



Photo 4: Standing on east bank of creek looking south



Photo 5: Standing on east bank of creek looking northwest





