

REQUEST FOR PROPOSALS
Prefabricated Cabin Structures
For
Rock Island County Forest Preserve District
Loud Thunder Forest Preserve
19406 Loud Thunder Road
Illinois City, IL 61259

October 21, 2019

To Whom It May Concern:

The Rock Island County Forest Preserve District is seeking requests for estimated cost proposals for two prefabricated structures to be placed at Loud Thunder Forest Preserve, Illinois City, IL.

The estimated cost proposals shall include all costs complete with either the vendors base features or District's specifications or minimal requirements, design, engineering, placement including freight or delivery, permitting, labor, equipment and materials to be properly installed to the any manufacturer's specifications to Loud Thunder Forest Preserve, 19406 Loud Thunder Road, Illinois City, Illinois 61259 (specific location noted on Figure A within Loud Thunder Forest Preserve.)

The sealed proposals marked Loud Thunder Prefabricated Cabin Structures must be received no later than 12:00 PM, Thursday, November 7, 2019 in the Forest Preserve Office, 19406 Loud Thunder Road, Illinois City, IL, 61259. The proposals will be publicly opened and acknowledged aloud immediately thereafter.

The Rock Island County Forest Preserve District is not subject to Excise Tax or Illinois State Sales Tax.

The proposals will be considered on quality, services provided, equipment complying substantially with specifications stated in the scope of work and cost. Any deviation or substitution needs to be stated and described in detail. Standard catalog sheets or technical data will not be accepted in lieu of this requirement, however, descriptive literature showing complete specifications for the item being proposed is not discouraged. The Rock Island County Forest Preserve District will make the sole determination on whether such substitutions are equivalent to the equipment specified and in the best interest of the District.

Project Description

The Rock Island County Forest Preserve District (District) is proposing two new prefabricated cabin structures to be constructed, set and finished at the Loud Thunder Forest Preserve in Illinois City, IL with foundation, utility connections and HVAC components to be installed by others.

The prefabricated cabin structures to be constructed as part of this project may include multiple different designs for the District's consideration. The District will select one or two preliminary designs from a single vendor which may be slightly altered and used as the basis for placement at each of the two proposed cabin locations. Design drawings shall include dimensional information, room sizes, and layouts. All room layouts and sizes shall be adjustable following owner review and approval.

The vendor shall develop preliminary technical specifications for review.

The vendor shall be prepared to submit building permit documents to for Rock Island County Building & Zoning approval.

The vendor shall provide probable construction cost for the cabin structures and submit to the District. Total cost to include all design, labor, material, delivery, placement from the base options that substantially meet the minimum cabin structure requirements.

The vendor shall be prepared to incorporate any comments and prepare final drawings and technical specifications to ensure the structure can be permitted in Rock Island County before payment of such structure and services.

Enclosed is a map showing the location of the two prefabricated cabin structures. The District will be utilizing the C1 and C2 locations. See Figure A.

Prefabricated Cabin structures:

Each structure shall be designed and equipped with, but not limited to the following minimum cabin structure or feature requirements:

1. Each cabin structure shall meet or exceed [Rock Island County Building Codes](#).
2. Each cabin structure should be approximately 20 feet wide by 36 feet long.
3. Two doors of egress from the structure
4. Fireplace chase
5. Integrated covered porch or ability for owner to construct a deck to be built by others.
6. Minimum of two bedrooms
7. Minimum of one bathroom (tub/shower, toilet, sink)
8. Great room/living room area
9. Kitchen-sink, LP stove, refrigerator and kitchen cabinetry
10. Metal roof, sheathing, and insulation
11. Doors and door frames options
12. Door hardware options
13. Single hung low-E window and window frames
14. Moisture-resistant siding options
15. Flooring and finish options
16. Walls and finish options
17. Direct-vented LP gas fireplace
18. Ceilings and finish options
19. Electrical wiring
20. 200-amp electrical panel
21. Vent piping
22. Wall and ceiling insulation

23. Heating and air conditioning ventilation (furnace and air conditioning to be done by others)
24. Lighting fixture options
25. Plumbing fixture options
26. Handicap accessibility
27. Plumbed for fire sprinklers
28. Other considerations and specifications of the structure shall include any and all fittings, brackets, braces, footings or other materials needed to successfully complete the installation.
29. The following items will be provided by others and are not included in the cabin design: concrete foundation; plumbing and fuel line connections; electric utility connections; exterior finishes including, steps, walkways, site preparation, landscaping; will be provided by others.

Permitting with Rock Island County:

If a vendor is selected, each vendor shall be able to meet the following requirements ensuring the District shall be able to obtain a building permit from Rock Island County. All final design and construction plans shall include the following information as required from the Rock Island County Building & Zoning Department:

- [Application](#)
 - Building Owner; Street Address; City/Town; State; Zip; (***Rock Island County Forest Preserve District, 19406 Loud Thunder Road, Illinois City, IL 61259***)
 - General Contractor information. (must be registered with Rock Island County);
 - Architect of Record as required per Illinois Architecture Practice Act (225 ILCS 305/);
 - Building/Job Address or legal description may be required;
 - Brief Description of Job: Type of Construction; Occupancy Type; Number of Stories; Sprinkler Requirement
- Two (2) sets of plans and specifications, all plans shall include the following information:
 - All plans shall bear the stamp of a licensed State of Illinois architect and/or engineering professional;
 - Declarations page: This should include all codes assumed for design, occupancy type, square footage of each occupancy type per floor, occupancy calculations, constructions type, specific design criteria, load calculations, etc;
 - Construction and placement of all fire walls, floor/ceiling and roof/ceiling assemblies and their fire rating along with the appropriate listing number;
 - Door and window schedules, which include fire rating(s), hardware, U-factors and locations;
 - Floor plans showing all rooms, dimensions, room names and/or uses for occupancy;
 - Engineered Truss Drawings (if applicable);
 - Wall and building sections showing floors, walls, and roof construction;
 - Accessibility plans showing parking details, accessible exterior routes and locations of accessible entrances, adequate details and dimensions to evaluate accessible means of egress, including occupant loads for each floor, exit arrangement ad sizes, corridors, doors, stairs, areas of refuge, etc; provisions including but not limited to access to services, seating, listening systems, accessible fixtures, elevators, work surfaces, etc; adequate details and dimensions to evaluate the accessible route to areas required to be accessible, including corridors, door, protruding objects, maneuvering clearances, clear floor space at fixtures and controls, etc, tactile signage provided, etc

- Energy code compliance: COMCheck or Similar compliance software unless using the prescriptive approach, with details shown on plans;
- Fire Sprinkler plan that is signed and sealed with hydraulic calculations, catalog cut sheets and specifications for the fire sprinkler system and related equipment, etc;
- Electrical plan showing all electrical equipment, devices, one line diagrams showing all feeders, service equipment, panel schedules, location of all areas, emergency systems, life safety systems, and load calculations;
- Mechanical plan showing all combustion air, return air, supply openings, furnace/boiler locations along with venting, BTU input and output, locations, fire dampers and installation details, flame spread ratings of all insulated ducts, gas piping sizes and locations with support, Class I hoods and ducts along with the fire protection systems, shaft construction sections, and appropriate system shut-offs shown;
- Plumbing plan showing thermal expansion tank, temperature relief and vacuum relief as necessary for water heaters, riser diagram for all water piping including size and type, riser diagram for the drain, waste and vent system including size and type of pipe, indicate separation between sewer and water services, indicate drinking fountains or bottled water, indicate the type of backflow protection (RPZ requires floor drain), provide catalog cuts for all fixtures, faucets and plumbing equipment, indicate the type and location of all special valves, appliances and devices, indicate the location of all pipe cleanouts, provide details for handicapped access to the plumbing fixtures (size of water closet enclosure, height of water closet, grab bars, lavatory, tissue holder, mirror and length of grab bars, location of grease trap, location of water meter.
- Site plan (for new and additions only) showing all water lines, sewer lines or septic system, site drainage, access roads, property lines, holding ponds, buildings, approaches and public sidewalks, parking spaces, accessible spaces and sizes, floodplain elevations and building floor elevations;
- List of Subcontractors (must be [registered](#));

Schedule:

Include a production schedule for the proposed work. Proposal should be itemized showing a breakdown of tasks with a total cost for each element of work.

Direct Questions and Site Visit Information:

Direct questions about the Loud Thunder Prefabricated Cabin Structures, contact Jeffrey Craver, District Director, office (309) 795-1040, Monday through Friday 8:00 AM-4:30 PM. Vendors may visit the site during normal business hours between. All other site visits must be coordinated with Mr. Craver.

General Requirements to be Considered:

Work may be performed any day of the week between 8:00 AM and 4:30 PM.

Vendors will be required to perform all locates of existing lines and utilities as needed.

Vendors will be required to obtain all permits as necessary to complete the project.

A final as-built plan shall be furnished to the Forest Preserve District upon completion of the project.

All work must be completed no later than 5:00 PM on August 1, 2020. A liquidated damage fee will be assessed at \$250.00 per day should the project not be completed on July 1, 2020.

Once work has commenced the Vendor is responsible for being at the site each day until the work is completed. Work may commence once a contract is secured.

Vendor is responsible for verification of actual quantities.

The Vendor shall have the responsibility of abiding by all of the Forest Preserve District policies pertaining to vendors and contractors, which shall be provided upon award of the project.

All vendors agree to abide by the Rock Island County Forest Preserve District payment procedure in which bills received prior to the 25th day of the month are processed and paid by check on approximately the 25th day of the next month.

The Rock Island County Forest Preserve District reserves the right to reject any or all proposals, to waive any irregularities, or to accept that proposal which, in the judgment of proper officials, is to be in the best interest of Rock Island County Forest Preserve District.

Prevailing Wage Rates:

The successful vendor will operate in compliance of any prevailing wage laws of Illinois applicable for this project. If the Illinois Department of Labor revises the prevailing rate of hourly wages to be paid by Rock Island County, the revised rates as provided by the public body shall apply to this contract.

Please access Rock Island County Forest Preserve District Website (www.ricfpd.org) for Prevailing Wage Information or the Illinois Department of Labor (www.illinois.gov/idol/Pages/default.aspx)

Insurance:

The vendor shall provide insurance in the following coverage and amounts, and shall submit certificates from their insurance company indicating the coverage in force prior to starting work on District property.

Worker's Compensation	Statutory
Manufacturers & Contractors Liability	\$1,000,000-500,000
Property Damage - per accident	\$1,000,000
Aggregate	\$2,000,000
Automobile Liability including	
Hired & non-owned autos	\$1,000,000-500,000
Per accident	\$1,000,000

Permits & Building Codes: The vendor will need to acquire and provide all required permits to the Owner and the vendor shall comply with all applicable local building codes i.e. Rock Island County. Those building codes and regulations supersede any conflicting specifications contained herein.

Contract/Purchase Agreement: Should the District and successful vendor not come to terms on a contract/purchase agreement within fourteen (14) days of receipt of a contract/purchase agreement by the approved vendor, the District reserves the right to request an agreement with an alternate proposal.

Safety Regulations: All vendors shall have the responsibility of enforcing strict adherence to all federal, state and local job safety rules and regulations regarding job-site operations this includes the responsibility of utility locates.

If you have any questions, please call.

Sincerely,

Jeff Craver, Director
Forest Preserve District of Rock Island County

Enclosures

Figure A

LOUD THUNDER FOREST PRESERVE CABINS

FOR THE ROCK ISLAND COUNTY FOREST PRESERVE DISTRICT ROCK ISLAND COUNTY, ILLINOIS APRIL, 2019



AREA MAP
NO SCALE

CONTACT INFORMATION:

OWNER - ROCK ISLAND COUNTY
FOREST PRESERVE DISTRICT
PARK RANGER - BEN MILLS
19406 LOUD THUNDER ROAD
ILLINOIS CITY, IL 61259
PHONE: 309-795-1040

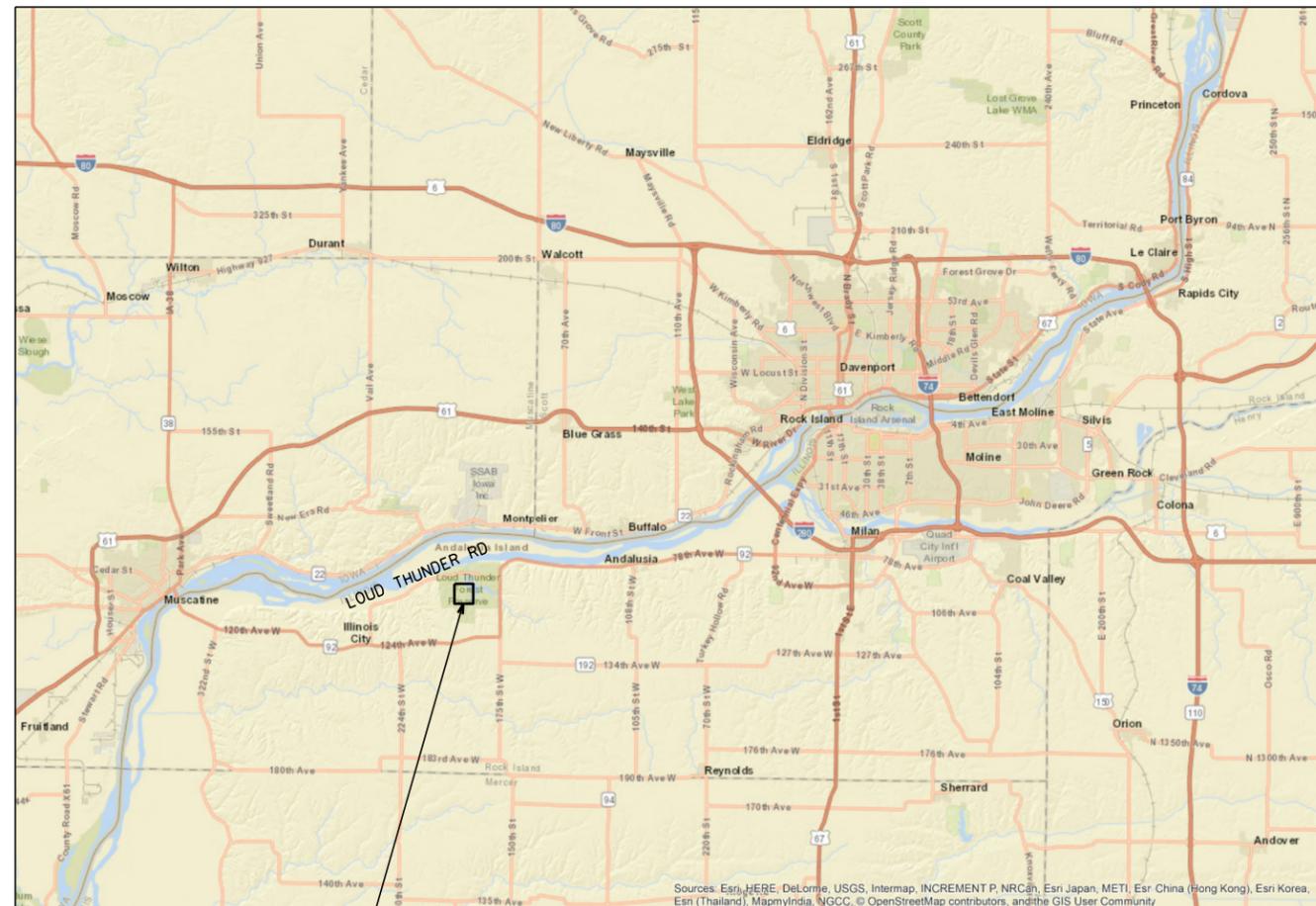


TO OBTAIN LOCATION OF
PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU
DIG IN ILLINOIS

CALL J.U.L.I.E.
1-800-892-0123
TOLL FREE

REQUIRES MIN. OF 48 HOURS
NOTICE BEFORE YOU EXCAVATE.
(EXCLUDING SAT., SUN., & HOL.)

1170 SOUTH HOUBOLT ROAD
JOLIET, IL 60431
815 744-4200
815 744-4215 FAX
www.strand.com
IDFPR NO. 184-001273
CONTRACT 2-2019



PROJECT LOCATION:
LOUD THUNDER PRESERVE

ADDRESS
19406 LOUD THUNDER ROAD
ILLINOIS CITY, IL 61259

PIN 142840002
LEGAL DESCRIPTION
SECT. 34 T17N R4W

PROJECT LOCATION MAP
NO SCALE

DRAWING LIST

SHEET	DESCRIPTION
1	TITLE, LOCATION MAP AND DRAWING LIST
2	GENERAL NOTES
3	CABIN GRADING AND EROSION CONTROL PLAN
4	CABIN UTILITY CONNECTIONS
5	CABIN FOUNDATIONS
6	CABIN FOUNDATION DETAILS
7	SWPPP NOTES
8	SWPPP DETAILS

Preliminary Drawings Not for Construction

April 26, 2019



SHEET
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JOB NO. 4462.003

GENERAL NOTES:

CONTACT NUMBERS AND PERMITS:

1. FOREST PRESERVE DISTRICT OFFICE, PHONE 309-795-1295.
2. ROCK ISLAND COUNTY SHERIFF'S POLICE, PHONE 309-788-8988.
3. OWNER WILL OBTAIN THE FOLLOWING PERMITS OR SIGN-OFFS:
- ILLINOIS DEPARTMENT OF PUBLIC HEALTH CAMPGROUND ALTERATION PERMIT
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY OTHER PERMITS THAT MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO:

-ROCK ISLAND COUNTY BUILDING DEPARTMENT PERMITS FOR CABINS.

COPIES OF ALL PERMITS OBTAINED SHALL BE PROVIDED TO OWNER. COSTS FOR OBTAINING PERMITS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND WILL NOT BE REIMBURSED.

CONSTRUCTION AND REMOVALS:

1. CONSTRUCTION ACCESS - CONSTRUCTION ACCESS SHALL BE FROM THE PARK MAIN ENTRANCE ROAD, ANY OTHER ACCESS POINTS MUST BE APPROVED BY OWNER.
2. THE CONTRACTOR IS TO COORDINATE LOCATION OF ALL UTILITIES, BOTH PUBLIC AND PRIVATE, PRIOR TO CONSTRUCTION OPERATIONS. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES CAUSED BY THEIR WORK. CONTACT J.U.L.I.E. AT 800/982-0123 FOR UTILITY INFORMATION.
3. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL SECTION, PROPERTY, OR SURVEY REFERENCE MARKERS UNTIL SUCH TIME THAT AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
4. ANY EXISTING FIELD TILES SHALL BE PROTECTED FROM DAMAGE AND EXISTING DRAINAGE THROUGH THE PROPERTY SHALL BE MAINTAINED. IF ANY EXISTING FIELD TILE IS ENCOUNTERED, IT SHALL BE REPAIRED AND/OR REROUTED BACK TO ITS ORIGINAL ROUTE AND FUNCTION.
5. ANY TREE STUMPS AND ROOTS UNDER THE FOUNDATIONS, DRIVEWAYS, SIDEWALKS, AND ANY OTHER PAVED AREAS ARE TO BE COMPLETELY REMOVED.
6. ANY LARGE BOULDERS OR CONCRETE CHUNKS ENCOUNTERED DURING EARTHWORK OPERATIONS SHALL BE REMOVED TO AT LEAST ONE-FOOT (1') BELOW GRADE IN LANDSCAPED AREAS AND TO PAVEMENT SUBGRADE IN PAVED AREAS. BOULDERS MAY REMAIN ON-SITE, CONCRETE CHUNKS SHALL BE DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO OWNER.
7. ANY POOR SOILS ENCOUNTERED UNDER AREAS TO BE PAVED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THEN UNDERCUT AND BACKFILLED PER THE SPECIFICATIONS.
8. THE CONTRACTOR SHALL PROTECT ALL TREES AND VEGETATION NOT SCHEDULED FOR REMOVAL, INCIDENTAL TO CONSTRUCTION. PROTECTION SHALL INCLUDE NOT DRIVING EQUIPMENT OR VEHICLES BELOW THE DRIP LINE OF TREES.
9. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ITEMS NOT SCHEDULED FOR REMOVAL. THIS SHALL ALSO INCLUDE UNNECESSARY DISTURBANCE OUTSIDE THE CONSTRUCTION LIMITS.
10. CONSTRUCTION STAGING AREAS - CONSTRUCTION STAGING AND STOCKPILING OF MATERIALS SHALL BE LIMITED TO ONLY THE AREAS SHOWN ON THE DRAWINGS OR AS APPROVED BY OWNER.
11. SITE CONDITIONS ARE SHOWN BASED UPON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL WALK AND DO HIS OWN INVESTIGATIONS AT THE SITE PRIOR TO SUBMITTING A BID TO BE FULLY FAMILIAR WITH SITE CONDITIONS.
12. ALL REMOVAL ITEMS SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH THE SPECIFICATIONS.
13. NO STOCKPILING OR FILLING IN FLOODPLAIN OR DRAINAGEWAY IS ALLOWED.

LAYOUT:

1. ALL PAVEMENT AND SITE ELEMENT LAYOUT IS TO BE STAKED BY CONTRACTOR FOR REVIEW BY OWNER PRIOR TO INSTALLATION. ANY SITE ELEMENTS NOT IN COMPLIANCE WITH ADA / ADAAG GUIDELINES SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.
2. WALKWAYS ARE TO HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5% AND MAXIMUM CROSS SLOPE OF 2%. ANY PAVEMENT OR SITE ELEMENTS NOT CONFORMING TO ADA STANDARDS SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE. NOTE THAT LEVEL LANDINGS, NOT EXCEEDING 2% IN ANY DIRECTION, ARE REQUIRED AT INTERSECTIONS AND TURNING AREAS WHERE DENOTED ON THE PLANS WITH "L.L.".
3. SCORING PATTERNS ON ALL CONCRETE SURFACE WORK SHALL BE DISCUSSED AND APPROVED BY OWNER PRIOR TO SCORING. SCORING SHALL BE APPROXIMATELY 5 FEET FOR SIDEWALKS AND NO MORE THAN 10 FEET FOR PARKING PADS.

GRADING:

1. FINISHED SURFACES SHALL BE SMOOTH AND EVEN WITH NO ABRUPT OR AWKWARD CHANGES IN GRADE. PAVING AND SEED AREAS ARE TO MEET FLUSH AND SMOOTH.
2. NEW PAVING SHALL MATCH EXISTING PAVEMENT SMOOTH AND FLUSH.
3. STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED. REDISTRIBUTE TOPSOIL ON ALL AREAS TO BE SEEDED OR AS DIRECTED BY OWNER. CLUMPS AND DEBRIS EXCEEDING 2" IN DIAMETER WILL NOT BE PERMITTED WITHIN ANY TURF RESTORATION AREAS.
4. NO FILLING OR STOCKPILING WILL BE ALLOWED IN THE FLOODPLAIN OR WITHIN 75 FEET OF ANY WATERBODY OR WETLAND.
5. CONTRACTOR SHALL RESTORE (WITH TOPSOIL AND SEEDING) ALL AREAS DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITY. TOPSOIL AND SEEDING RESTORATION OUTSIDE OF CONSTRUCTION LIMITS WILL BE AT CONTRACTOR'S EXPENSE.
6. THE OWNER RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS IN LINES AND GRADES AS THE WORK PROGRESSES WHENEVER SUCH CHANGES ARE CONSIDERED NECESSARY TO BETTER ACCOMPLISH THE INTENT OF THE DRAWINGS TO OBTAIN A CLOSER BALANCE BETWEEN CUT AND FILL OR TO AVOID TREE REMOVAL.
7. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND AS NECESSARY TO ELIMINATE SEDIMENTATION INTO NON-CONSTRUCTION AREAS.
8. EROSION CONTROL BLANKET IS TO BE PLACED ON ALL SLOPES GRADED 3:1 OR GREATER.

RESTORATION:

1. RESTORATION SHALL INCLUDE TOPSOIL, SEEDING, SODDING, FERTILIZER, MULCH AND THE NECESSARY CARE TO OBTAIN AN ACCEPTABLE STAND OF GRASS.
2. TOPSOIL SHALL BE STOCKPILED AND RESPREAD ON ALL DISTURBED AREAS AS PART OF EARTHWORK, INCLUDING THE SITE ACCESS AREA, AND ANY OTHER AREAS DISTURBED BY CONSTRUCTION. SUPPLEMENTAL TOPSOIL, IF REQUIRED, SHALL BE FURNISHED AS PART OF EARTHWORK AND WILL NOT BE PAID FOR SEPARATELY.
3. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITH TURF SEEDING.
4. ANY AREAS DISTURBED BY CONTRACTOR OUTSIDE THE EARTHWORK AND GRADING AREAS SHOWN ON THE PLANS SHALL BE RESTORED BY CONTRACTOR AT HIS OWN EXPENSE.
5. THE SEEDING AND RESTORATION QUANTITIES ON THE PROPOSAL FORM INCLUDE ANY AREAS OF EARTHWORK OR GRADING DISTURBANCE INDICATED ON THE PLANS.

DATE:									
REVISIONS									
NO.									

GENERAL NOTES
LOUD THUNDER FOREST PRESERVE CABINS
ROCK ISLAND COUNTY FOREST PRESERVE DISTRICT

JOB NO.
4462.003
PROJECT MGR.
MJD



SHEET
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I. Site Description:

- A. The following is a description of the project location:
The project is located at the Loud Thunder Preserve in unincorporated Buffalo Prairie Township, Rock Island County. The site entrance drive is at 19406 Loud Thunder Road (County Highway 59). The Preserve lies east of the Mississippi River and contains Lake George.
- B. The following is a description of the construction activity which is the subject of this plan:
The cabins project includes construction of up to four kit-type cabins with partial basements and connection to the sewer, water, and electric facilities installed in a previous phase of the project, and boat docks.
- C. The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site, such as grubbing, excavation and grading:
Major activities that will disturb the site are earthwork and grading associated with construction of the basement foundations, parking pads and walkways. This will include removing topsoil and re-spreading the topsoil during site restoration.
- D. The total area of the construction site is estimated to be 2 acres.
The total area of site estimated to be disturbed by excavation, grading or other activities is 0.80 acres.
- E. The following is a weighted average of the runoff coefficient for this project after construction activities are completed: Before construction activities: C=41.3, after construction activities C=49.0.
- F. The following is a description of the impacted soil types found at the project site followed by their erosivity:
278A – Stronghurst Silt Loam: water erosion susceptibility= slight, wind erosion susceptibility = slight
280B - Fayette Silt Loam: water erosion susceptibility= high, wind erosion susceptibility = very slight
- G. The following is a description of potentially erosive areas associated with this project:
Potentially erosive areas are the cabin foundation excavations which are on sloping ground.
- H. The following is a description of soil disturbing activities, their locations, and their erosive factors (e.g. steepness of slopes, length of slopes, etc):
1. Construction of concrete pads and foundations for cabins, ground is sloping but excavation areas will be relatively small.
- I. See the project drawings for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, location where vehicles enter and exit the site and controls to prevent offsite sediment tracking, areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters, and storm water runoff discharge locations.
- J. The following is a list of receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage at the site. If applicable, identify all TMDL allocation for sediment or a parameter that addresses sediment and Impaired Waters classification of the receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage. The location of the receiving waters can be found on the project drawings.
The nearest receiving water is Lake George. The site is located on a high grass mound above the lake and runoff from the site drains downhill to the lake. From the lake, drainage flows over the dam spillway through an intermittent stream approximately 0.45 mile before entering the Mississippi River which is the ultimate receiving water.
- K. The following pollutants of concern will be associated with this construction project:
- | | | |
|-----------------------------|--------------------------|---|
| X Soil Sediment | <input type="checkbox"/> | Solvents |
| X Concrete | <input type="checkbox"/> | Fertilizers / Pesticides |
| X Concrete Truck Waste | <input type="checkbox"/> | Petroleum (gas, diesel, oil, kerosene, hydraulic fluid) |
| X Concrete Curing Compounds | <input type="checkbox"/> | Antifreeze / Coolants |
| Solid Waste Debris | <input type="checkbox"/> | Waste water from cleaning construction equipment |
| Paints | <input type="checkbox"/> | Other (specify) |

II. Controls:

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in I.C. above. The contractor shall be responsible for the implementation of the measures indicated. The contractor shall notify the permittee of any proposed changes, maintenance, or modifications to keep construction activities compliant with the permit.

A. Erosion and Sediment Controls

1. **Stabilization Practices:** Provided below is a description of interim and permanent stabilization practices, including site specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II(A)(1)(a) and II(A)(3), stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of 14 or more calendar days.
- a. Where the initiation of stabilization measures by the 7th day after construction activity temporarily or permanently ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable thereafter.

The following Stabilization Practices will be used for this project:

- | | | |
|--|--------------------------|------------------------------------|
| X Preservation of Mature Vegetation | <input type="checkbox"/> | Temporary Mulching |
| <input type="checkbox"/> Vegetated Buffer Strips | X | Permanent Seeding |
| X Protection of Trees | X | Erosion Control Blanket / Mulching |
| <input type="checkbox"/> Temporary Erosion Control Seeding | <input type="checkbox"/> | Sodding |
| <input type="checkbox"/> Temporary Turf (Seeding, Class 7) | <input type="checkbox"/> | Geotextiles |

Describe how the Stabilization Practices listed above will be utilized:

The site layout was designed to minimize impacts to trees and vegetation. Trees to be removed are indicated on the drawings. All other trees and mature vegetation shall be protected. Vegetated buffer strips between the site and water edge will be left undisturbed.

Sediment and erosion control measures will be installed in accordance with the project drawings and specifications. The measures will be functional before any earthwork or land disturbance activities begin. Stabilization practices are further described on the project drawings and in the project specifications.

Temporary Erosion Control Seeding is specified for areas where permanent seed is not practical or possible due to seasonal planting restrictions. Permanent seeding will be performed as soon as possible after grading operations. Erosion control blanket will be installed on all seeded slopes 3:1 or greater or where a potential for erosion is identified in the field.

2. **Structural Practices:** Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

a. The following Structural Practices will be used for this project:

- | | | | | |
|---|--------------------------|-------------------------|--------------------------|-----------------|
| X Perimeter Erosion Barrier | <input type="checkbox"/> | Turf Reinforcement Mats | <input type="checkbox"/> | Slope Mattress |
| <input type="checkbox"/> Temporary Ditch Check | <input type="checkbox"/> | Permanent Check Dams | <input type="checkbox"/> | Retaining Walls |
| <input type="checkbox"/> Storm Drain Inlet Protection | <input type="checkbox"/> | Aggregate Ditch | <input type="checkbox"/> | Slope Walls |
| <input type="checkbox"/> Sediment Trap | <input type="checkbox"/> | Paved Ditch | <input type="checkbox"/> | Revetment Mat |
| <input type="checkbox"/> Temporary Sediment Basin | <input type="checkbox"/> | Rock Outlet Protection | <input type="checkbox"/> | Level Spreaders |
| <input type="checkbox"/> Temporary Stream Crossing | <input type="checkbox"/> | Riprap | <input type="checkbox"/> | Other |
| X Stabilized Construction Exits | <input type="checkbox"/> | Gabions | <input type="checkbox"/> | Other |

Describe how the Structural Practices listed above will be utilized:

- Temporary perimeter erosion barrier will be placed at locations shown on the drawings. The locations are areas where runoff may occur downstream of areas of earthwork or land disturbance. Erosion barrier is also located adjacent to any ditches or water bodies to prevent the entrance of silt.
- b. The following design requirements apply to sediment basins if such structural practices will be installed to reduce concentrations in storm water discharges:
- When discharging from the sediment basin, utilize outlet structures that withdraw water from the surface in order to minimize discharge.
 - Prevent erosion of the sediment basin using stabilization controls (e.g. erosion and control blankets), at the inlet and outlet using erosion controls and velocity dissipation devices.
 - Sediment basins shall be designed to facilitate maintenance, including sediment removal from the basins, as necessary.
3. **Storm Water Management:** Provided below is a description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.
- a. Such practices may include but are not limited to: storm water detention structures, storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems which combine several practices.
- The practices selected for implementation are based on the Illinois Urban Manual and NRCS Standards. If, due to special situations, practices different than those discussed in the Urban Manual are selected for implementation, the technical basis for such decisions will be explained below.
- b. Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).
- Description of Storm Water Management Controls.
Stormwater management techniques include silt fencing.
4. **Other Controls:**
- a. Vehicle Entrances and Exits – Stabilized construction entrances and exits must be maintained to prevent tracking of sediments onto roadways location shall be as shown on drawings or otherwise approved by permittee.
- b. Material Delivery, Storage, and Use – The following BMPs shall be implemented to help prevent discharges of construction materials during delivery, storage, and use:
- Roofed storage compartments or large sheets of plastic to prevent precipitation from coming in contact with the products being stored.
 - Large items such as framing materials and lumber shall be stored in the open in a general storage area. Such material shall be elevated with wood blocks to minimize contact with storm water runoff.
 - Spill clean-up materials, material safety data sheets, an inventory of materials, and emergency contact numbers shall be maintained and stored by Contractor in a designated location.
- c. Stockpile Management – BMPs shall be implemented to reduce or eliminate pollution of storm water from stockpiles of soil and paving materials such as but not limited to concrete rubble, asphalt rubble, and aggregate. The following BMPs may be considered:

• Perimeter Erosion Barrier	• Plastic Covers
• Temporary Seeding	• Soil Binders
• Temporary Mulch	

- d. Treatment chemicals must be stored in areas where they will not be exposed to precipitation. The SWPPP must describe the procedures for use of treatment chemicals and staff responsible for use/application of treatment chemicals must be trained on the established procedures.
- e. Waste Disposal. No materials, including building materials, shall be discharged into Waters of the US.
- f. The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
5. **Approved State or Local Laws**

The management practices, controls and provisions contained in this plan are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Illinois Urban Manual, 2012. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI, to be authorized to discharge under permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

The County requires that no stockpiling or filling be performed in the floodplain.

Any mud or dirt accidentally tracked onto Loud Thunder Road or any adjacent streets will be immediately cleaned off and deposited on an upland area of the site having erosion controls. Cleaning by flushing is not allowed.

III. Maintenance:

The following is a description of procedures that will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control and other protective measures identified in this plan.

Perimeter erosion barrier shall be installed prior to any earthwork or land disturbing activities.

Permanent seeding shall be installed within two weeks of land disturbance or final grading.

Temporary stabilization measures, such as temporary seeding, shall be installed within two weeks of land disturbance if permanent seeding is not practical or possible due to seasonal seeding limitations.

The Contractor shall be responsible for making inspections of the erosion control measures in accordance with Section IV of these specifications. The contractor shall promptly repair any measures that need maintenance or repair. Maintenance shall include removal of excessive sediment or silt.

The drawings show the anticipated locations of erosion control measures. If additional areas are discovered during construction that requires erosion controls, the Contractor shall install them at Owner's request.

IV. Inspections:

Qualified personnel shall inspect disturbed areas of the construction site which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site. Such inspections shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall.

- A. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is 0.5" or greater rain event, or a discharge due to snowmelt occurs.
- B. Disturbed areas and areas used for storage of materials shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Discharge locations or points that are accessible, shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking.

- C. Based on the results of the inspection, the description of potential pollutant sources identified in section I above and pollution prevention measures identified in section II above shall be revised as appropriate as soon as practicable after such inspection. Such modifications shall provide for timely implementation of any changes to the plan within 7 calendar days following the inspection.
- D. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with section IV(B) shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI. G of the general permit.
- E. If any violation of the provisions of this plan is identified during the conduct of the construction work, the permittee shall notify the appropriate IEPA Field Operations Section office by email at: gsa_swpppcom@illinois.gov, telephone or fax within 24 hours of the incident. The permittee shall then complete and submit an "Incidence of Noncompliance" (ION) report for the identified violation within 5 days of the incident. Submission shall be on forms provided by the Illinois Environmental Protection Agency and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

V. Non-Storm Water Discharges:

Except for flows from fire fighting activities, sources of non-storm water that is combined with storm water discharges associated with the industrial activity addressed in this plan must be described below. Appropriate pollution prevention measures, as described below, will be implemented for the non-storm water component(s) of the discharge.

- A. Spill Prevention and Control – BMPs shall be implemented to contain and clean-up spills and prevent material discharges to the storm drain system.
- B. Concrete Residuals and Washout Wastes – The following BMPs shall be implemented to control residual concrete, concrete sediments, and rinse water:
- Designated concrete washout locations shall be identified for rinsing out concrete trucks.
 - Concrete waste solids/liquids shall be disposed of properly.
- C. Litter Management – The Contractor is responsible for ensuring his/her employees place all personal and construction litter including cans, wrappers, wood lath, marking ribbon, construction string, and all other types of litter in the proper dumpsters.

Vehicle and Equipment Cleaning/Maintenance – Vehicles and equipment are to be cleaned and maintained in designated areas only, preferably off site. On-site maintenance must be performed in accordance with all environmental laws such

Use of Treatment Chemicals. Identify the use of all polymer flocculants or treatment chemicals at the site. Dosage of treatment chemicals shall be identified along with any information from any Material Data Sheet. Describe the location of all storage area for chemicals. Include any information from the manufacturer's specifications. Treatment chemicals must be as proper storage and no dumping of old engine oil or other fluids on site.

- D. Vehicle and Equipment Fueling – The contractor shall implement BMPs during fueling of vehicles and equipment to prevent pollution. Below are a few examples of these BMPs:

• Containment	• Automatic Shut-Off Nozzles
• Spill Prevention and Control	• Topping Off Restrictions
• Use of Drip Pans and Absorbents	• Leak Inspection and Repair

This certification statement is a part of the SWPPP for the project described above, in accordance with the General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

**STORMWATER POLLUTION PREVENTION PLAN
NOTES
LOUD THUNDER PRESERVE CABINS
ROCK ISLAND COUNTY FOREST PRESERVE DISTRICT**

**JOB NO.
4462.003
PROJECT MGR.
MJD**



**SHEET
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