

LANGLADE COUNTY
FORESTRY, PARKS, AND
RECREATION DEPARTMENT
1633 NEVA ROAD
ANTIGO, WISCONSIN 54409



REQUEST FOR BIDS

BID SPECIFICATIONS, BID FORMS
AND RELATED DOCUMENTS

FOR

**SHERRY ROAD TRAIL HEAD
AND BOW AND GUN RANGE
PRECAST TOILET BUILDINGS**

SEPTEMBER 22, 2025

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TECHNICAL SPECIFICATIONS AND PLANS

**INVITATION FOR BIDS
FOR
PRECAST TOILET BUILDINGS**

Purpose: Langlade County is issuing this Invitation to Bid for two precast double vault toilet buildings with one to be located at the Sherry Road Trailhead, with is located approximately 1.23 miles north of the N3916 Sherry Road, Bryant, WI 54418 and one located at the Langlade County Bow and Gun Range with an address of W9639 Range Rd., Antigo, WI 54409

Time and Place for Receiving Bids: Langlade County will accept sealed bids from qualified firms until 2:00 p.m., Monday, December 1st, 2025, in the office of the Langlade County Forestry, Parks, and Recreation Department, 1633 Neva Road, Antigo, Wisconsin, 54409. Bids received after 2:00 p.m. will not be accepted. Actual receipt by said time is required and deposit in the U.S. mail is insufficient. The envelope containing the sealed bid shall bear the name and address of the interested firm and the notations: "Bid for 2026 Precast Toilet Buildings" on outside of envelope. Opening of the bids will take place in the Langlade County Forestry, Parks, and Recreation Department promptly following the 2:00 p.m. deadline.

Instructions: Instructions to interested firms may be obtained from Jason Polley, Parks and Recreational Coordinator, Langlade County Forestry, Parks and Recreation Department, 1633 Neva Road, Antigo, Wisconsin, 54409, (715) 627-6368 or amurray@co.langlade.wi.us.

Reservations: Langlade County reserves the right to reject in whole or in part any and all bids, to waive any informalities, and to accept the bids determined to be the **lowest responsible bidder** by the County. This invitation may be canceled if determined to be in the best interest of the County.

Ethics: Langlade County is an Equal Opportunity Employer. The General Code of the County of Langlade contains various purchasing policies which are applicable to this proposed procurement. These include prohibitions against gratuities and kickbacks. This request is governed by the Langlade County Purchasing Policy, a copy of which is available at the County Clerk 's office.

County of Langlade, Wisconsin by:
Al Murray
Forestry, Parks and Recreation
Administrator

INSTRUCTIONS TO BIDDERS

- I. **Bid Opening Date:** 2:00 p.m., December 1st, 2025
- II. **Location:** Langlade County Forestry, Parks and Recreation Department
1633 Neva Road, Antigo, Wisconsin, 54409
- III. Complete the Bid Form and return the entire bid package in a sealed envelope clearly marked "Bid for 2026 Precast Toilet Buildings" in the lower left corner.
- IV. The County's representative on this project is Al Murray, Forestry, Parks and Recreation Administrator. Questions regarding this project should be directed to him at the Langlade County Forestry, Parks and Recreation Department, 1633 Neva Road, Antigo, Wisconsin, 54409, (715) 627-6368 or amurray@co.langlade.wi.us.

REQUIRED CLAUSES

I. Gratuities and Kickbacks

It shall be unethical for any person to offer, give, or agree to give any elected official, employee or former employee, or for any elected official, employee or former employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer for employment in connection with any decision, approval, disapproval, recommendation, preparation or any part of a program requirement or a purchase request, influencing the contents of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceedings or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or proposal therefore.

It shall be unethical for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor or a higher tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract, or order.

II. Other Required Clauses

This request for bids and the awarding of the contract must follow the procedures outlined in State Statute Section 59.52 (29) and is governed by the Purchasing Policy for Langlade County as set forth in page 69 through 71 of the Langlade County Policy Manual, a complete copy of which may be obtained from the Office of the Langlade County Clerk, Langlade County Courthouse, 800 Clermont St., Antigo, Wisconsin.

GENERAL CONDITIONS

I. Provisions Regarding Safety, Health, and Sanitation

- A. The Contractor shall at all times fully comply with all applicable federal, state, and local laws and regulations governing safety, health and sanitation.

The Contractor shall provide all safeguards, safety devices, and protective equipment and take any other needed actions, on his own responsibility or as the County may determine reasonably necessary to protect the life and health of employees on the job and the safety of the public, to protect property in connection with the performance of the work covered by the contract.

- B. Material Safety Data Sheets (MSDS) shall be provided to owner for all materials used in construction of this project or brought onto site. MSDS shall be provided prior to delivery of said material or substance to site.

II. Protection of Existing Work and Vegetation

- A. The Contractor shall preserve and protect all existing vegetation (such as trees, shrubs, and grass), topography, and rock on or adjacent to the site which does not unreasonably interfere with the construction as may be determined by the County. The Contractor shall be responsible for all unauthorized cutting, removing, or altering of existing vegetation, topography, and rock including damage due to careless operation of equipment, stockpiling of materials, or tracking of terrain by equipment.
- B. The Contractor shall be responsible for replacing or repairing, at his/her own expense, any and all existing surface or buried structures, and electric, water, gas, telephone, and other utility lines damaged in the course of this construction project.
- C. All construction, storage, stacking, and/or parking of equipment and materials, shall be accomplished so as not to damage existing vegetation or other surface features.

III. Coordination of Work

- A. Installation contractors shall visit the site prior to submitting a bid. Contractor shall identify any impediments to installation and coordinate with the Forestry, Parks and Recreation Department for removal of impediments or alternate installation procedures.
- B. The planning, scheduling, and control of the construction of this project shall be the responsibility of the Contractor.

- C. Activities shall not be scheduled to be performed in a sequence which will have detrimental effect upon other work being performed or completed. Certain activities or phases of the work shall be scheduled and coordinated by the Contractor with the Forestry, Parks and Recreation Department, or appropriate utility companies when such activities will directly affect their operations. When the Contractor's operations resulting damage to County property or to any utility, he shall assume full responsibility for such damage.
- D. Park shall remain open during construction period. Contractor shall coordinate his work so as to minimize interference of park activities.

IV. Schedule

- A. All installation activities for the Bow and Gun Range site shall occur between May 1st, 2026 and May 15th, 2026. Installation at the West Evergreen Trailhead site shall occur between May 1st, 2026 and May 23rd, 2026

INSURANCE REQUIREMENTS

I. Insurance Requirements

- A. The Contractor shall not commence work under this contract until all insurance required under this paragraph is obtained, and such insurance has been approved by the county, nor shall Contractor allow any subcontractor to commence work on their subcontract until all similar insurance requirements have been obtained and approved.
 - 1. **Worker's Compensation Insurance.** Contractor shall obtain and maintain throughout the duration of this contract statutory Worker's Compensation insurance for all if its employees employed at the site or while working on this project. In case any work is sublet, Contractor shall require the subcontractor similarly to provide statutory Workers' Compensation Insurance for all of the latter's employees, unless such employees are covered by the protection afforded by Contractor.
 - 2. **General Liability, Professional Liability and Property Damage Insurance.** Contractor shall secure and maintain in force throughout the duration of this contract such General Liability, Professional Liability and Property Damage Insurance as shall protect him/her and any subcontractor performing work covered by this contract from claims for damages for personal injuries, including accidental death as well as from claims for property damage, which may arise from operations under this contract, whether such operations be by Contractor, or by any subcontractor or by anyone directly or indirectly employed by either of them; and the amount of such insurance shall be as follows:

- Comprehensive General Liability, \$1,000,000 per occurrence and in aggregate for Bodily Injury and Property Damage.
- Professional Liability Coverage, \$1,000,000 per occurrence and in aggregate.
- Automobile Liability, \$1,000,000 per occurrence and in aggregate for Bodily Injury and Property Damage.
- Excess Liability Coverage, \$1,000,000 over the General Liability and Automobile Liability Coverages.
- If aircraft are used in conjunction with this project, \$2,000,000 per occurrence and in aggregate for bodily injury and property damage.

B. Proof of Insurance

Contractor shall furnish the County with a Certificate of Insurance countersigned by a Wisconsin Resident Agent or Authorized Representative of the insurer indicating that Contractor meets the insurance requirements identified above. The Certificates of Insurance shall include a provision prohibiting cancellation of said policies except upon 30 days prior written notice to the County and specify the name of the contract or project covered. A copy of the Certificate of Insurance shall be delivered to the oversight committee 15 days prior to execution of this agreement for final approval. Upon renewal of the required insurance and annually thereafter, the County shall receive a new Certificate of Insurance for three years after completion of the project. The Certificates shall describe the contract by name and or identification number in the "Description of Operations" section of the form.

HOLD HARMLESS

Contractor hereby agrees to release, indemnify, defend, and hold harmless Langlade County, their officials, officers, employees and agents from and against all judgments, damages, penalties, losses, costs, claims, expenses, suits, demands, debts, actions and/or causes of action of any type or nature whatsoever, including actual and reasonable attorney's fees, which may be sustained or to which they may be exposed, directly or indirectly, by reason of personal injury, death, property damage, or other liability, alleged or proven, resulting from or arising out of the performance of Contractor, its officers, officials, employees, agent or assigns. Langlade County does not waive, and specifically reserves, its right to assert any and all affirmative defenses and limitations of liability as specifically set forth in Wisconsin Statutes, Chapter 893 and related statutes.

**BID FORM
FOR PRECAST TOILET BUILDINGS**

Having carefully examined the bidding and specification documents, including the INSTRUCTIONS TO BIDDERS, REQUIRED CLAUSES, GENERAL CONDITIONS, INSURANCE REQUIREMENT'S, PLANS AND TECHNICAL SPECIFICATIONS, and having understood that Langlade County reserves the right to reject any or all bids, or parts thereof, and to award to the bidder who in the judgment of the County will best serve the County; the undersigned proposes to furnish all labor, materials, and services essential to the successful completion of the contract work for the following options:

- A. Lump Sum price to furnish, deliver, set and perform all work indicated on plans, specifications and details for **one** unisex double vault precast toilet building at Sherry Road Trailhead, **1.23 miles north of** the N3916 Sherry Road, Bryant, WI 54418

Total Cost \$ _____

- B. Lump Sum price to furnish, deliver, set and perform all work indicated on plans, specifications and details for **one** unisex double vault precast toilet building at the Langlade County Bow and Gun Range at W9639 Range Rd., Antigo, WI 54409.

Total Cost \$ _____

- C. **Plan Sets and Specifications:** All bids must be accompanied by detailed plan sets and specifications of buildings proposed to be delivered. Costs for delivery and setting shall be detailed separately within the specifications.

D. **Addenda**

I/we, the bidder, acknowledge receipt of Addenda:

Number ____ dated _____

Number ____ dated _____

E. **Certification**

I/we understand this bid is good for ninety (90) days and if accepted by the County will be used as the basis for a contract for the work covered within the bidding documents and specifications and the contract documents.

Company: _____
(type or Print)

Company Address: _____
(type or Print)

Phone: _____
(type or Print)

E-mail: _____

Name/Title: _____
(type or Print)

Authorized Signature: _____ Date: _____

SPECIFICATIONS
FOR DOUBLE VAULT TOILET BUILDING

1.0 SCOPE

This specification covers the construction and placing of two precast concrete double vault toilets with located at the Sherry Road Trailhead, approximately 1.23 miles north of the N3916 Sherry Road, Bryant, WI 54418 and one located at the Langlade County Bow and Gun Range with an address of W9639 Range Rd., Antigo, WI 54409

2.0 SPECIFICATIONS

ASTM C33	Concrete Aggregates
ASTM C39	Method of Test for Compressive Strength of Cylindrical Concrete Specimens
ASTM C143	Method of Test for Slump of Concrete Standard
ASTM C150	Specification for Portland Cement
ASTM C192	Method of Making and Curing Test Specimens in the Laboratory
ACI 1211.1	Recommended Practice for Selecting Proportions for Normal and Heavyweight Concrete
PCI MNL 116	Quality Control for Plants and Production of Precast Prestressed Concrete Products

3.0 MANUFACTURER CRITERIA

The manufacturer supplying the requested precast concrete vault facility must meet the following:

- A. Manufacturer must be ISO 9001 certified at the time of bid.
- B. Manufacturing plant must be PCI certified at the time of bid.
- C. Manufacturer must provide stamped, engineered drawings prior to acceptance.

4.0 DESIGN CRITERIA

- A. Snow Load
 - 1. Toilet Building shall withstand a snow load of 250 pound per square foot snow load.
- B. Wind Load
 - 1. Toilet Building shall withstand the effects of 120 mile per hour wind load.

4.0 DESIGN CRITERIA (Continued)

C. Earthquake

1. Toilet Building shall withstand the effects of a zone four earthquake.

D. Additional Design Standards

1. **Toilet Building shall comply with the Americans with Disabilities Act Requirements and Uniform Federal Accessibility Standards as of the date of these specifications.**
2. Toilet Building shall incorporate all design aspects of Sweet-Smelling Technology as outlined by Briar Cook for the U.S. Forest Service.
3. Toilet Building shall include two, one-piece full length and width vault units to support the building, screen area and snow loads evenly. Toilet Building shall have a one-piece floor unit to prevent panels that migrate in different directions during periods of freeze/thaw stress.

5.0 MATERIALS

A. Concrete - General

The concrete mix design will be designed to ACI 211.1 to produce concrete of good workability.

1. Concrete shall contain a minimum of 610 pounds of cement per cubic yard. Cement will be a low alkali type I or II conforming to ASTM C-150.
2. Coarse aggregates used in the concrete mix design shall conform to ASTM C33 with the designated size of coarse aggregate #67.
3. Minimum water/cement ratio shall not exceed .45. Slump will not exceed 4".
4. Air-entraining admixtures will conform to ASTM C260. Water reducing admixtures shall conform to ASTM C494, Type A. Other admixtures shall not be used without owner approval.

B. Colored Concrete

1. Color additives shall conform to ASTM C979. A 12"x 12"x 1" color sample shall be available for owner approval.
2. The following shall contain colored concrete:
 - a. Toilet building roof panels
 - b. Building walls
 - c. Screen panels
3. The same brand and type of color additive shall be used throughout the manufacturing process.
4. All ingredients shall be weighed and the mixing operation shall be adequate to ensure uniform dispersion of the color.

5.0 MATERIALS (Continued)

C. Cold Weather Concrete

1. Cold weather concrete placement shall be in accordance with ACI 306.
2. Concrete shall not be placed if ambient temperature is expected to be below 35 degrees F. during the curing period unless heat is readily available to maintain the surface temperature of the concrete at least 45 degrees F.
3. Materials containing frost or lumps of frozen materials shall not be used.

D. Hot Weather Concrete

The temperature of the concrete shall not exceed 80 degrees F. at the time of placement and when the ambient reaches 90 degrees F. the concrete shall be protected with moist covering.

E. Concrete Reinforcement

1. All reinforcing steel shall conform to ASTM A615. All welded wire fabric shall conform to ASTM A185.
2. All reinforcement shall be new, free of dirt, oil, paint, grease, loose mill scale and loose or thick rust when placed.
3. Details not shown of drawings or specified shall be to ACI3 18.
4. Steel reinforcement shall be centered in the cross-sectional area of the walls and will have at least 1 " of cover on the under surface of the floor and roof.
5. The maximum allowable variation for center-center spacing of reinforcing steel shall be 1/2".
6. Full lengths of reinforcing steel shall be used when possible. When splices are necessary on long runs, splices shall be alternated from opposite sides of the components for adjacent steel bars. Lap bars #4 or smaller a minimum of 12". Lap bars larger than #4 a minimum of 24 bar diameters.
7. Reinforcing bars shall be bent cold. No bars partially embedded in concrete shall be field bent unless approved by the owner.

F. Sealers and Curing Compounds

1. Curing compounds, if used, shall be colorless, complying with ASTM C309, type I or 1-D.
2. Weatherproofing sealer for exterior of building shall be a clear water-repellent penetrating sealer.

G. Caulking, Grout, Adhesive and Sealer

1. All caulking shall remain flexible and non-sag at temperatures from -40 to +140 degrees Fahrenheit.

5.0 MATERIALS (Continued)

2. Interior joints shall be caulked with a paintable polyurethane sealant.
3. Exterior joint shall be caulked with a tri-polymer sealant caulk which compliments the exterior color.
4. Grout will be a non-shrink type and shall be painted to match the color of surrounding concrete as nearly as possible.
5. Epoxy concrete adhesive shall be two component, rigid, non-sag gel adhesive for bonding to dry or damp surfaces, moisture insensitive.
6. Cement base coating shall be formulated with a very fine aggregate system and a built-in bonding agent.

H. Paint

1. All paints and materials shall conform to all Federal specifications or be similar "top-of-the-line-components ". Paints shall not contain more than .06 percent by weight of lead.
2. Type of paints for toilets
 - a. Inside concrete surfaces
 - I. Interior floors shall be a 2-component, catalyzed, water borne polyamide epoxy with a micronized polymer additive to provide uniform slip resistant texture. The color shall be gray.
 - II. Interior walls and ceilings shall be a modified acrylic, water repellent penetrating stain. The color shall be white.
 - b. Metal surfaces both inside and out
 - I. DTM ALKYD
 - c. Exterior concrete surfaces
 - I. Exterior slab shall be clear sealer
 - II. Exterior walls and roof shall be a water-repellent penetrating stain in the same color as the walls or roof followed by a clear acrylic anti-graffiti sealer.

I. Grab bars

Grab bars shall be 18-gauge, type 304 stainless steel with 1-1 1/2" clearance. Grab bars shall each be able to withstand 300-pound top loading.

J. Toilet Paper Dispenser

Dispenser shall be capable of locking and holding four (4) Georgia Pacific coreless #19375 toilet paper rolls in each unisex room. Dispenser Georgia Pacific compact quad 4 roll #56744A vertical dispenser.

5.0 MATERIALS (Continued)

K. Solar lighting package

Restroom must have installed a solar lighting package with interior and exterior lighting.

L. Steel Doors

1. Doors shall be flush panel type 1-3/4" thick, minimum 18-gauge prime coated steel panels.
2. Door frames shall be knockdown or welded type, single rabbet, minimum 16-gauge prime coated steel, width to suit wall thickness. Three (3) rubber door silencers shall be provided on latch side of frame.
3. Aluminum drip cap.

M. Door Hinges

Door hinges shall be 3 per door with dull chrome plating or stainless hinges with non-removable pin 4- 1/2"x4- 1/2", adjustable tension, automatic-closing with hold open for each door.

M. Lockset

1. Lockset shall meet ANSI A 156.2 Series 4000, Grade I cylindrical lockset for exterior door.
2. Lever handle both inside and out.
3. Either handle operates latch unless outside handle is locked by inside push-button.
4. Push-button shall automatically release when inside lever handle is turned or door is closed.
5. Emergency slot on exterior so door can be unlocked from the outside with a screwdriver.
6. Inside lever always active.
7. ADA Compliant.
8. Keyed for both restrooms to match to match.

N. Dead Bolt

Deadbolt shall be a Lori Lock standard model with a double cylinder, 2" backset, and US26D finish. The cylinder shall be a standard I 1/8"-1 3/8" Schlage Mortise cylinder with compression ring and 626 finish.

O. Door Stop

Doorstop shall have a cast metal base, U.S. 26D finish with gray rubber 2-7/16" diameter bumper.

5.0 MATERIALS (Continued)

P. Double Coat Hook

Coat hook shall be 304 stainless steel 16 gauge (1.5mm), formed construction with a satin finish and have 3/16"x7/8" nail in anchor. Upper hook will extend at least 2-1/2" inches from the wall. Lower hook shall extend at least 1-1/4" from the wall.

Q. Door Sweep

Door sweep shall be provided at the bottom of door and will be an adjustable brush type and ADA compliant threshold.

R. Wall Vent

Wall vent shall be cast into the concrete wall. The units ' frame shall be C3 x 4.1 channel steel. The louver shall be inverted Y. All steel shall be primed and painted as defined in metal painting specification. There shall be an exterior insect screen on or attached to the louver.

S. Windows and Vault Cleanout Cover

1. Windows and cleanout cover frames shall be constructed from steel.
2. Window glazing shall be 3/32" thick translucent pebble finished polycarbonate.
3. Plate for vault cleanout cover shall be 1/4" thick diamond plate steel. Lid shall be hinged and configured so that it can be locked with a pad lock. A neoprene gasket shall be provided across the entire width and length of the lid to provide an airtight seal.

T. Vault Liner

The vault liner shall be made from a single sheet black ABS/752 virgin plastic. The initial sheet thickness shall be a minimum .375. Final stamped thickness shall be a minimum .060. The vault liner shall have molded dovetail embeds to attach the liner to the concrete walls of the vault. The vault liner shall have two J-rails to attach the liner to the bottom of the vault. Vaults with the ABS liner shall be warranted against leaks for a period of seven years.

6.0 MANUFACTURE

A. Mixing and Delivery of Concrete

Mixing and delivery of concrete shall be in accordance with ASTM C94, section 10.6 through 10.9 with the following additions:

1. Aggregate and water shall be adjusted to compensate for differences in the saturated surface-dry condition.
2. Concrete shall be discharged as soon as possible after mixing is complete. This time shall not exceed 30 minutes.

B. Placing and Consolidating Concrete

Concrete shall be consolidated by the use of mechanical vibrators. Vibration shall be sufficient to accomplish compaction but not to the point that segregation occurs.

C. Finishing Concrete

1. Interior floor and exterior slabs shall be floated and troweled. A light broom finish shall be applied to the exterior slabs.
2. All exterior building walls and exterior screen walls shall be a board & batt and horizontal lap siding texture.
3. All exterior surfaces of the roof panels shall be cast to simulate a cedar shake roof. The underside of the overhang shall have a smooth finish.

D. Cracks and Patching

1. Cracks in concrete components which are judged to affect the structural integrity of the building shall be rejected.
2. Small holes, depressions and air voids shall be patched with a suitable material. The patch shall match the finish and texture of the surrounding surface.
3. Patching shall not be allowed on defective areas if the structural integrity of the building is affected.

E. Curing and Hardening Concrete

1. Concrete surfaces shall not be allowed to dry out from exposure to hot, dry weather during initial curing period.

7.0 FINISHING AND FABRICATION

A. Structural Joints

1. Wall components shall be joined together with two welded plate pairs at each joint. Each weld plate shall be 6" long and located one pair in the top quarter and one pair in the bottom quarter of the seam. Weld plates shall be anchored into the concrete panel and welded together with a continuous weld. The inside seams shall be a paintable caulk. The outside seams shall use a caulk in a coordinating building color or clear.
2. Walls and roof shall be joined with weld plates, 3" x 6", at each building corner.
3. The joint between the floor slab and walls shall be joined with a grout mixture on the inside, a matched colored caulk on the outside and two weld plates 6" long per wall.

B. Painting/Staining

1. An appropriate curing time shall be allowed before paint is applied to concrete.
2. If etching is required, a 30% solution of hydrochloric acid shall be used, flushed with water and allowed to thoroughly air dry.
3. Painting shall not be done outside in cold, frosty or damp weather.
4. Painting shall not be done outside in winter unless the temperature is 50 degrees F. or higher.
5. Painting shall not be done in dusty areas.
6. Schedule of finishes
 - a. Inside concrete surfaces
 - I. Inside floors shall be 1 coat of 1-part water-based epoxy with a silica sand suspension to provide uniform texture.
 - II. Interior walls and ceiling shall be 2 coats of a modified acrylic, water repellent penetrating stain, followed by 1 coat of clear sealer.
 - b. Metal surfaces both inside and out
 - I. 2 coats of DTM ALKYD
 - c. Exterior concrete surfaces
 - I. Exterior slab shall be 1 coat of clear sealer
 - II. Exterior walls shall be 2 coats of water-repellent penetrating stain in the same color as the walls or roof followed by 1 coat of clear acrylic anti-graffiti sealer.

8.0 TESTING

- A. The following tests shall be performed on concrete used in the manufacture of toilets. All testing shall be performed at PCI certified laboratories. Testing shall only be performed by qualified individuals who have been certified ACI Technician Grade I.

Sampling will be in accordance with ASTM C 172.

1. The slump of the concrete shall be performed on the first batch of concrete in accordance with ASTM C 143. This slump shall be in the 3"-4" range.
2. The air content of the concrete shall be checked per ASTM C23 on the first batch of concrete. The air content shall be in the range of 5.5% +/- 1 %.
3. The compressive strength of the cylinders shall be tested to ASTM C39. Release @ min. 2500 psi, 7 day @ min. 4500 psi, 28 day @ min. 5000 psi.
4. A copy of all test reports shall be available to the owner as soon as 28-day test results are available.

9.0 INSTALLATION

- A. Scope of Work

Work specified under this Section includes placement of precast concrete toilet.

- B. Materials

1. Caulking between vault and toilet floor to be 1"x 1" Butyl tape.

- C. Location

It's the responsibility of the owner to:

1. Provide excavation, bedding backfill and compaction of site for toilet building.
2. Provide clear and level site free of overhead and/or underground obstructions.
3. Provide access to the site for truck delivery and sufficient area for the crane to install and the equipment to perform the contract requirements.

- D. Vault Toilet Riser and Accessories

1. Silicone caulk shall be applied between toilet riser flange and concrete floor before the toilet riser is installed.

9.0 INSTALLATION (Continued)

E. Exhaust Pipe Installation

1. After exhaust pipe is installed, seal around pipe at top and underside of roof with silicone caulk. Seal around pipe at top of slab shall be accomplished by using silicone caulk.

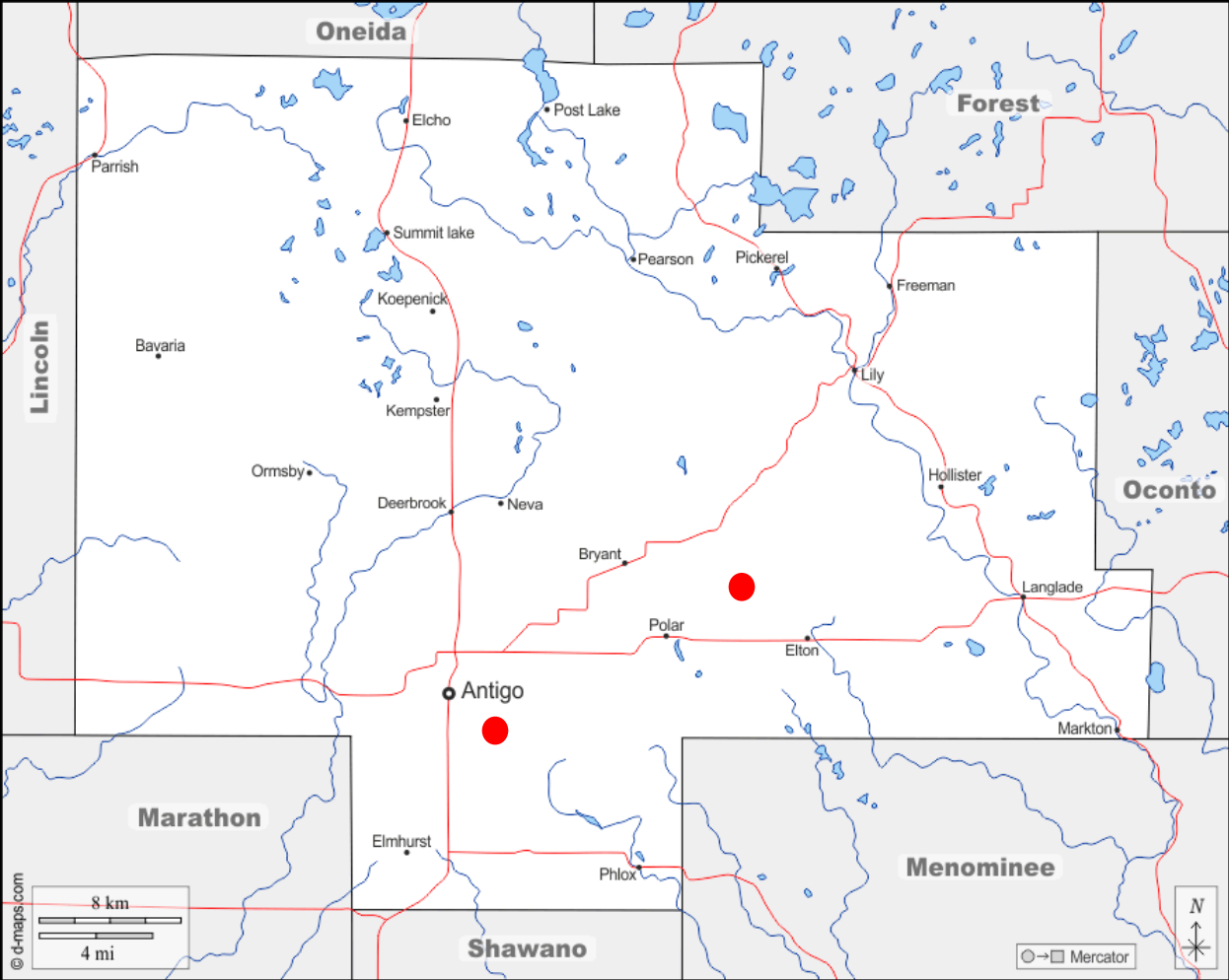
10.0 WARRANTY

Contractor shall warranty vault toilet building against all defects in material and workmanship for a minimum period of one (1) year of delivery unless stated differently here within. Any defects found within the warranty period shall be replaced or repaired at manufactures expense labor and delivery.

11.0 PLANS

The intent of the plans contained herein is to illustrate the general layout, required equipment and approximate dimensions for the double vault precast toilet building. Minor deviations from the enclosed plans are permissible, however the manufacturer must indicate and describe any deviation in their bid. The County reserves the right to evaluate any and all units bid, and reject any bid that does not meet the County's intent of these plans and specifications.

LANGLADE COUNTY



VAULT TOILET BUILDING SITE LOCATIONS MAP ●