

**INVITATION TO BID (ITB)
FOR CONSTRUCTION OF
52' X 56' MANVEL EQUIPMENT SHED**

**FOR
GRAND FORKS COUNTY
IN MANVEL, ND**

BIDS MUST BE MAILED OR HAND DELIVERED TO:

GRAND FORKS COUNTY FINANCE AND TAX DIRECTOR
151 4TH Street South
PO Box 5726
Grand Forks ND 58206

NO LATER THAN 10:00 A.M. ON THURSDAY, AUGUST 10, 2023
FAXED BIDS SHALL NOT BE ACCEPTED
FOR ADDITIONAL INFORMATION CALL 701-780-8248

GRAND FORKS COUNTY COMMISSIONERS

ADVERTISEMENT FOR BIDS FOR
52' X 68' MANVEL EQUIPMENT SHED

NOTICE TO BUILDING CONTRACTORS:

By the order of the Board of County Commissioners of Grand Forks County, North Dakota, I hereby give notice that sealed bids will be received by the undersigned at the office of the County Director of Finance and Tax up until 10:00 o'clock a.m., August 10th, 2023. Bids will be publicly opened and read at 10:00 a.m. 6th floor County Office Building for 52' x 68' MANVEL EQUIPMENT SHED, as per specifications prepared by and available at the office of the County Highway Department, 1700 N Columbia Road, Grand Forks ND 58203. The project will be considered at the regularly scheduled August 15th Commission Meeting.

Construction generally entails:

- One equipment storage building – 52' wide x 68' long x 18' high, woodened or steel framed, insulated, steel panel exterior
- Concrete floor with drain and floor heat
- Water, sanitary sewer, electric & propane gas services
- Electrical wiring

In compliance with Section 11-11-28 of the North Dakota Century, bids to be opened and considered must be accompanied by a bond. A bid shall be accompanied by a separate envelope containing a bidder's bond in a sum equal to five percent of the full amount of the bid, executed by the bidder's as principal and by a surety company authorized to do business in the State as a guaranty that the bidder will enter into the contract if it is awarded to him and he will furnish the necessary bond. Also, to be included with the envelope containing the bid bond shall be the contractor's license.

The Board reserves the right to reject any or all bids, in whole or in part, and to waive any technicalities.

Bids must be enclosed in a sealed envelope, with a separate envelope for the bidder's bond and contractor license both addressed to the County Director of Finance and Tax and Marked on the outside what the bid is for. The County Auditor is located at 151 4th Street South and the mailing address is P.O. Box 5726, Grand Forks, ND 58206.

Dated at Grand Forks, North Dakota, this 12th day of July, 2023

Debbie Nelson
County Director of Finance and Tax
Grand Forks, North Dakota

(Publish July 19, 26 & Aug 2)

LEGAL NOTICE

**SECTION ONE
PERFORMANCE SPECIFICATIONS**

1.0 GENERAL

Intent of this solicitation is to secure bids for construction of an Equipment Shed in the Manvel, ND. This new building is to be located on the lot immediately east of the existing shed at 505 Oldham Ave, Manvel, North Dakota for the Grand Forks County Highway Department. See included site plans. Note: the City of Manvel currently owns the lot and has a signed purchase agreement with the County to transfer ownership in the next few months.

1.01 Description:

- A. Provide construction for a 52' x 56', 2,912 square-foot building with an inside clearance of at least 18-feet, 6-inch reinforced concrete floor, wood or metal framed weather-tight building. Building shall be suitable for storage of road maintenance trucks and equipment. Building shall meet or exceed performance and dimensional criteria and other requirements of this specification. Building shall be constructed using a slab on grade thickened edge concrete floor, floor heat with gas/propane boiler, unit heater, dimensional lumber, and pre-engineered trusses, electrical. There shall be one 24' wide x 16', and one 18' wide x 16' high insulated overhead doors, and one 3' wide walk-in solid door.

1.02 Bid Package Requirements and Conditions:

- A. Owner reserves the right to consider bids and options for buildings varying in minor respects from any specific requirement herein, but judged to meet the intent of this specification. Owner reserves the right to waive minor irregularities and to reject any or all bids.
- B. Definitions:
 - a. Term "Owner" means Grand Forks County.
 - b. Term "Contractor" means vendor awarded contract with Grand Forks County.
- C. Bid Guaranty:
 - a. Bids must be accompanied by a bidder's bond, in a sum equal to five percent of full amount of bid, executed by Bidder as principal and by a surety company authorized to do business in the State of North Dakota. If within 10 days after notice of an award, successful Bidder fails to sign a contract with Owner, Principle and Surety shall forfeit to Owner the bidder's bond accompanying bid on which there is a default. **Bond shall be in a separate envelope from bid.**

- b. All bonds, except the awarded contractor, shall be returned to bidders when Owner has determined to whom contract is to be awarded. Bond of responsible Contractor submitting best bid shall be retained until contract has been awarded and executed properly. Bond of other Contractors submitting bids shall be returned after contract has been awarded and executed.

D. Related Work:

- a. Site Inspection: The County Engineer recommends that all Contractors inspect the site prior to bidding so that the Contractor fully understands the scope of the project. Questions about the project shall be directed to Nick West at (701) 780-8248 or nick.west@gfcounty.org.
- b. Pre-bid Meeting: There shall not be a pre-bid meeting.
- c. Permits, Fees, Rules and Licenses:
 - i. Building Permit: Contractor shall secure a building permit from the City of Manvel and pay the associated fees.
 - ii. City Sanitary Sewer & Agassiz Water Users: The Owner shall obtain the permits and pay the fees.
 - iii. Ottertail Power, the Contractor shall coordinate the disconnection, temporary connection & permanent reconnection, however the fees associated with Ottertail Power shall be paid by the Owner and not part of the bid.
 - iv. The Contractor shall assist in coordinating between the utility companies and the Owner and Contractor shall be required to abide by the permit requirements.
 - v. The Contractor shall follow the City of Manvel Rules Chapter 111, Article 1 Construction and Repair Ordinance for New Construction. (see attached).
- d. Materials: Contractor shall provide materials that have a proven track record, and shall be responsible for all products, components, accessories and methods used in constructing this building. It shall be the Contractors responsibility to prove that any material that deviates from a specified material, is equal in quality, workmanship, components, features, warranty, etc.
- e. Minimum printed code standard requirements of the following organizations for material quality, fabrication, and installation procedures shall be met or exceeded, for applicable methods employed in building construction. Latest published version of the following code publications shall be referenced for design and construction of this facility.

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- i. Air Conditioning and Refrigeration Institute (API).
 - ii. American Institute of Steel Construction (AISC).
 - iii. American Concrete Institute (ACI).
 - iv. American Institute of Timber Construction (AITC).
 - v. American Iron and Steel Institute (AISI).
 - vi. American Welding Society (AWS).
 - vii. American Plywood Association (APA).
 - viii. American Softwood Lumber Standard (ALSC).
 - ix. American Society of Testing and Materials (ASTM).
 - x. International Building Code (IBC).
 - xi. State and/or Local Building Codes.
 - xii. Uniform Plumbing Code and State Plumbing Code.
 - xiii. National Electrical Code (NEC) and State Electrical Code.
 - xiv. State Fire Code.
 - xv. International Mechanical Code (IMC) and State Boiler Rules.

1.03 Award and Execution of Contract:

- A. Contractor's Qualifications: Full name and address of business organization shall be stated and parent company identified if a subsidiary. Contractors shall specify branch office or other subordinate element which shall perform, or assist in performing on any business partnerships, and state in which Contractor is incorporated or licensed to operate.
- B. Bid package of successful Contractor shall be incorporated into project contract. Bid package shall become a part of subsequent contractual documents. Failure of Contractor to accept this obligation may result in cancellation of any award. Any damages accruing to the Owner, as a result of Contractor's failure to contract, may be recovered from Contractor.
- C. The successful Contractor shall enter into a contract for performance of work proposed in this Invitation To Bid. Failure by successful Contractor to execute a Contract and file a successful Contract Bond shall be considered cause for annulment of award and forfeiture of Bid Guaranty to Owner. Award may be made to next best bid, or work re-advertised.
- D. Contract shall incorporate all applicable provisions of this ITB.
- E. Owner shall accept one prime bid. Bids shall be evaluated according to quality, performance, and price. Owner reserves right to reject any or all bids.
- F. Owner reserves the right to, in its sole discretion, to award contract to another Contractor if low bidder fails to enter into a contract.
- G. All costs attributable in preparation of a bid or any presentation required to supplement or clarify bid are borne by Contractor.

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- H. All Bids remain valid for a minimal period of 30 days subsequent to ITB closing date, unless an extension is agreed to by both parties.
- I. To be eligible for award of project, Contractor shall meet all requirements of this ITB.
- a. Contractor shall be licensed to do business in the State of North Dakota.
 - b. Amount of the bid shall not exceed license limit.
- J. Insurance: The Contractor shall furnish a certificate of insurance of the following minimum kinds and amounts:
- a. Workman's compensation – Statutory
 - b. Public Liability: Type of Policy: Comprehensive General
 - i. Limits of Liability
 - 1. Bodily Injury Liability - \$1,000,000 Each Person
\$1,000,000 Each Occurance
 - 2. Property Damage Liability - \$1,000,000 Each Occurance
\$1,000,000 Aggregate
 - ii. Coverage to be provided:
 - 1. Operations of Contractor
 - 2. Completed Operations
 - iii. Property Damage Liability includes:
 - 1. Damage due to collapse
 - 2. Broad Form Property Damage
- K. The Owner shall obtain builders risk insurance.
- 1.04 Submittals: Furnish following information as proof of conformity to design and performance criteria requirements of this specification.
- A. Indicate manufacture's or contractor's warranties available for all products and installations being proposed.
 - B. Owner is not responsible for errors, omissions, or deviations from original proposed material lists discovered during construction of this facility.

C. Construction phase:

1. The General Contractor shall provide stamped engineered plans of all structural and building items being utilized in this project prior to ordering material. The electrical contractor shall submit plans of the electrical layout. At a minimum the plans shall include:
 - i. Side Elevations
 - ii. Floor Plan
 - iii. Lighting, Ceiling Fan and Outlet Layout
 - iv. Fixture Schedule
 - v. Electrical Panel Circuit Schedule
2. Following construction, provide Operation and Maintenance Manuals including manufacturer's instructions, as-built drawings, warranty information and other operation and/or maintenance information for all necessary equipment.

- D. Each Bid must be submitted on enclosed Bid Form. Lump sum bid price must be submitted for all labor, materials, and equipment required to build the facility described in this ITB. Quantities are intended to describe general scope of work and are not fixed quantities, unless noted otherwise.
- E. Sealed Bids shall be received by Grand Forks County at time and place stated on cover of this bid package at which time bids shall be publicly opened and read. Any bid received after that time is deemed non-responsive and shall not be opened.
- F. Bidder's bond shall be placed in a separate envelope, and this envelope shall be attached to the outside of the envelope containing the bid. Bids shall be sealed and endorsed "2023 Manvel Equipment Shed". Late bids shall be returned unopened.
- G. No Bids shall be accepted by oral communications, telephone, electronic mail, telegraphic transmission, or facsimile transmission.

1.05 Inquiries:

- A. All communications regarding information concerning this ITB shall be made to: Nick West, (701) 780-8248, nick.west@gfcounty.org
- B. Changes to ITB shall be issued by written addendum and mailed, emailed or faxed to parties requesting ITB. Such addenda issued prior to time that Proposals are received shall be considered part of ITB. Contractor shall be required to consider and acknowledge receipt of such in their Bid Form. It shall be the Contractor's responsibility to verify with the Owner if an addendum has been issued, as the Owner may not know which Contractors are considering bidding the project.

1.06 Negotiations:

- A. Contractor shall include name, address, and telephone number of person in Contractor's organization authorized to negotiate contract terms and render binding decisions on contract matters.
- B. Owner reserves the right to waive minor irregularities.
- C. Owner reserves the right to reject any and all Bids.

1.07 Time of Completion:

- A. Contractor awarded the project shall have the project completed by **December 15, 2023**.
- B. For each calendar day that the works remains incomplete after December 15, 2023, the Owner shall deduct \$1,000 from any money due to the Contractor.
- C. Contract award shall begin immediately after selection committee has reached a decision on successful Contractor.
- D. General contractor shall be responsible for coordinating all construction activities of all trades throughout the project. General contractor shall provide the Owner a construction schedule at the pre-construction meeting, which shall be held prior to start of the project.

1.08 Payment for Work:

- A. Partial payment may be requested by the Contractor once each month. Owner and Contractor shall review percentage of work completed and pay accordingly. Ten percent (10%) retainage shall be held back and paid within 60 days after building is completed and approved by the Owner. The Owner would pay invoice price for materials on hand.
- B. The Contractor shall provide signed lien waivers from all suppliers and sub-contractors prior to the 10% retainage being released.

1.09 Warranty:

- A. Contractor shall provide as part of the Bid Package a minimum one-year warranty covering all materials, labor, equipment and workmanship. Bid package shall list building components, and electrical equipment with minimum one year warranty. The warranty period shall start when the project is completed by the Contractor and accepted by the Owner.
- B. Electrical subcontractor must coordinate all work efforts with General Contractor to adhere to all manufacturers' guidelines so warranties are not jeopardized.

1.10 Condition of Work:

- A. Contractors must inform themselves of the conditions relating to construction of project and employment of labor thereon. Failure to do so shall not relieve a successful Contractor of any obligation to furnish all material and labor necessary to carry out provisions of contract.

1.11 Contract Coordination:

- A. General Contractor shall provide coordination for all subcontractors and trades. All Contractors are required to comply with General Contractor's directions in order that the project is completed satisfactorily. Contractors must employ such methods or means as shall not cause an interruption or interference with work of any other Contractor.
- B. All costs incurred due to lack of coordination of work are the responsibility of the Contractor not following construction schedule. Contractor not following schedule or employing methods or means that cause interruption of or interference with work of any other Contractor, shall incur all costs for extra work caused by delaying construction sequence.

SECTION TWO**CONSTRUCTION CRITERIA****2.0 GENERAL**

- 2.01 Contractor shall keep fully informed with, and observe and comply with all Federal, State, and local laws and ordinances, including legal requirements governing safety, health, sanitation, and performance of contract in general.
- 2.02 Questions and change order requests regarding construction of building shall be approved by Owner. Owner shall conduct construction inspection and oversight.
- 2.03 Earthwork and Excavation: The Contractor shall perform preliminary site preparations. The Contractor shall provide excavation and structurally compacted conditioned backfill for concrete slabs and utility trenches. The Contractor shall provide granular materials required for construction of building. Contractor must verify with Owner the height of finish floor and concrete slab elevations.
- 2.04 Final cleanup, finish grading, and site restoration: Contractor shall be responsible for cleanup of site during and after construction is completed. Contractor shall provide for all final grading.
- 2.05 Contractor shall take precautions and be responsible for all aspects of safety and shall provide protection to prevent damage, injury, or loss to:
- A. Employees on the project site and other persons who may be affected.
 - B. Materials and equipment, whether in storage on or off the site, under care, custody or control of Contractor or Contractor's subcontractors.
 - C. Property at site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures, culverts, yard materials, landscaping, and utilities not designated for removal, relocation, or replacement in course of construction.
- 2.06 The Contractor shall furnish and submit to the Owner for evaluation, a complete set of plans and specifications for the building prior to construction activities and ordering of materials. The submittal shall bear the seal of a Professional or Structural Engineer, Registered in the State of North Dakota, thereby certifying that the structural design of the building fulfills the minimum requirements of building code or these specifications, whichever is greater.

**SECTION THREE
BUILDING DESIGN CRITERIA**

3.0 GENERAL CONTRACTOR

3.01 Minimum Dimensional Requirements for Building:

Width: 52 feet
Length: 56 feet
Vertical Side Wall Height: 18-foot clearance

3.02 Building Structural Requirements

- A. Provide a self-supporting wood or metal frame structure comprised of dimensional lumber walls and pre-engineered trusses complete with necessary thickened edge concrete required to securely and permanently support roof and wall construction. No design reductions allowed.
- B. The walls shall be constructed with 2" x 8" dimensional lumber with the bottom plate pressure treated lumber or equivalent metal studs/framing.
- C. Wall configuration and Truss spacing, and components shall be determined by the structural engineer.
- D. Building shall meet or exceed the following minimum structural design criteria, or as designed by the structural engineer:
 - a. Roof Live Load: 30 pounds per square foot or as per current International Building Code or per local building code whichever is greater.
 - b. Wind Load: 110 miles per hour or as per current International Building Code or per local building code whichever is greater.
 - c. Snow Load: 46 pounds per square foot or as per current International Building Code or per local building code whichever is greater.
 - d. Dead Load: 6 pounds per square foot on top chord and 6 pounds per square foot on bottom chord or as per current International Building Code or per local building code whichever is greater.

3.03 Concrete Foundation and Slabs:

A. Concrete Specifications:

- a. Concrete shall have a minimum compressive strength of 4,000 PSI at 28 days. Maximum 1" aggregate, air entrained 5% to 8%, with a maximum slump of 4 inches. This mix would be comparable to NDDOT AE3. The Contractor shall provide a copy of all redi-mix concrete delivery tickets to the Owner, prior to payment.
- b. Concrete shall utilize a proven mix design. Concrete Mix design may contain fly ash up to a maximum of 30% replacement of cement.
- c. Concrete shall be designed and placed with a maximum water cement (w/c) ratio of 0.45. Water content shall include all mixing water and free water on surface of aggregate, but shall not include water absorbed by aggregate. Fly ash shall be included in cement content by actual weight for determination of the w/c ratio.
- d. Contractor shall start concrete curing process as soon as the curing cover can be placed without marring the concrete. Curing shall be accomplished using a wetted fabric or a liquid membrane cure. Curing shall occur for a minimum of 72 hours. The liquid membrane cure shall be of high quality and color approved by owner. Curing membrane shall be evenly sprayed on top of the concrete floor and outside slabs. The membrane shall be installed as per manufactures recommendations. The contractor shall furnish owner with manufactures certificate of color, lot number and coverage spread rate before used by the Contractor.

B. Concrete Slab:

- a. Concrete slab (interior and exterior) shall be at least 6 inches thick, reinforced with #4, Grade 40 deformed rebar or equivalent fiberglass deformed rebar, at a maximum spacing of 24-inches on center in both directions. Rebar shall be placed on blocking or chairs approximately 2 inches from bottom of concrete. The interior concrete shall be sloped to drain towards the floor drain.
- b. The perimeter of the building slab shall be a thickened edge. The thickened edge shall be 16-inches thick and extend 2-foot into the building, then taper to the normal 6-inch thick slab.
- c. The wall shall be anchored to the floor with 10-inch cast-in-place anchors. Anchors shall be at least 1-foot from each corner, and spaced 6-feet apart or less.
- d. Joints shall be sawed to a depth of 2 inches within 24 hours after placement.

Maximum joint spacing shall be 12 feet each way. Verify locations of control joints with owner before placing floor concrete.

- e. Outside slab shall have a broom finish. Inside slabs shall have a smooth steel trowel finish.
- f. Inside slab shall be furnished with a floor drain system, see below.
- g. The Contractor shall form the concrete floor under each overhead door so the bottom of the door shall meet the concrete floor, providing a weather-tight fit.
- h. Place and properly mechanically compact a minimum of 10-inches NDDOT Class 5 or 13 aggregate or recycled crushed concrete & 2-inches sand under all concrete.
- i. The exterior concrete slab shall be provided with a 1/2" expansion material and tied to inside/building concrete slab with rebar, where the exterior slab is in direct contact with the building slab.
- j. Foundation Insulation: Insulation under and around the interior slab shall be extruded polystyrene (XPS), suitable for underground application.
 - i. The perimeter of the thickened edge slab shall be insulated. The Contractor has the option to insulate one of three following preapproved methods, or approved equivalent:
 - 1. Utilize the Mono Slab EZ Form system, or approved equivalent. The Form size shall be 24"x24"x8".
 - 2. Utilize R-10 for 48-inches vertical. The corners shall be R-15 for 5-feet each way.
 - 3. Utilize R-10 for 24-inches vertical and then 24-inches horizontal away from the building. The corners shall be R-15 for 5-feet each way.
 - ii. The interior concrete slab shall have 1-inch thick R-5 insulation, suitable for below grade applications, between the granular base and the concrete slab. The insulation shall have sufficient compressive strength to withstand the construction process and the weight of the concrete slab without damage.

3.04 Roof and Wall Specifications:

- A. The exterior wall shall be finished with steel sheeting, two toned in color, the bottom three feet shall be dark green, the remaining wall and roof shall be off-white.
- B. The Owner shall select the final colors for roof, walls, trim, and fascia.

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- C. All exterior steel shall be 29 gauge or heavier 36" wide panels, or approved equal, full length on walls and roof. Panels shall have a minimum of 5/8" ribs 9" on center, or approved equal, and shall overlap each other to form a water tight joint. All steel shall be installed with neoprene washers and screws furnished by steel supplier for this purpose. All screws shall be colored same as steel colors. All steel shall be screwed as per steel suppliers or Engineers recommendations, whichever is greater. All screw locations shall be predrilled or similar procedure to eliminate an indentation.
 - D. The exterior walls and roof shall be sheeted with 7/16 OSB or plywood, or approved equal.
 - E. The exterior walls shall be completely covered with a house wrap. The wrap shall be a weather barrier made of a continuous, nonwoven, non-perforated sheet of high-density polyethylene (HDPE) fibers that are not fused together, to form a strong uniform web. The wrap shall be DuPont Tyvek or approved equal.
 - F. The exterior roof shall be sheeted in 7/16 OSB or plywood, or approved equal and covered with a synthetic roof membrane, membrane shall be manufacture recommended compatible with metal roofing.

3.06 Gutters and Down Spouts:

- A. The building shall be constructed with gutters along both the west and east sides of building; color shall be selected by Owner.
- B. The downspouts shall be located on the north end of the building. Thus the gutters are required to drain the entirety of the 56-foot run, plus overhang.
- C. Gutters shall be 6-inch in width and downspouts shall be 3" x 4".
- D. The gutter/downspout system shall drain into a 6-inch 80-foot long PVC drain pipe that runs easterly along the north side of the building, and drains into the railroad ditch.

3.07 Interior:

- A. The walls shall be insulated to a minimum of an R-21 with fiberglass batts and ceiling insulated to a minimum of R-49 with fiberglass blow-in style.
- B. The interior walls and bottom cord of the rafters (ceiling) shall be covered with a vapor barrier.
- C. The interior walls and bottom cord of the rafters shall be covered and lined with ribbed steel panels colored white with J-channels and appropriate edging/trim.

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- D. The ceiling/attic shall have proper attic ventilation, including a continuous ridge vent at the peak, and vented soffits. Fascia and soffits shall be covered with maintenance free metal. Vented soffits shall be vented between each truss with an attic vent chute. Trusses shall be designed for 2-foot overhangs with extension of top chord for the overhang. No add-on extensions allowed.
- E. Bathroom area: The Contractor shall build and finish the bathroom. The basic spec is for the bathroom to have an elongated tall toilet, utility sink with faucet, 36" walk-in door, minimum 4-gallon electric water heater, storage above bathroom with steps & perimeter safety hand railing. The walls and ceiling of bathroom shall be covered with white ribbed steel panels finished with J-channels and appropriate edging/trim.
- 3.08 Doors and Windows: The color of the doors shall be white. Any scratches or scuffs resulting from installation shall be touched-up to restore door to original painted finish. Doors shall be maintenance free and prefinished.
- A. Overhead Doors:
- a. Building shall have a total of two overhead doors, one 24'x16' opening and one 18'x16' opening. Doors shall be Raynor ThermaSeal TM 300 or approved equal. Both doors face west. Doors shall be 3-inch thick, minimum R-24 insulation, 26-gauge steel, white in color, proper Ubar stiffening as needed, with 24" x 8" insulated windows (6 windows on 24' and 4 windows on 18'), galvanized 3-inch track, torsion spring with minimum 25,000 cycle life, heavy duty rollers, weather-stripped jambs and headers.
 - b. Each door shall be equipped with a Liftmaster Model T or approved equal, minimum ½ horse power, industrial trolley type operators, 115 volt, single phase, open/close/stop push button station. Each door shall have three (3) 3-button radio-frequency remote transmitter and receiver system, photoelectric safety system and any other safety device required by code and necessary control wire. Wired by the electrician.
 - c. Overhead door jambs and trim shall be completely wrapped with maintenance free metal.

B. Exterior Walk-In Door:

- a. There shall be one exterior insulated walk-in door, 36" wide and 6'8" tall, steel door. Door located on the west side of the building.
- b. Exterior door and frame shall be a maintenance free Plyco Series 92 commercial door or approved equal. The doors shall have full thermal break, painted 16 gauge steel frame door with 24 gauge smooth steel plane, 3 fixed pinned hinges. Panel drilled to receive standard 2-3/4" backset with face plated plunger style lockset. Door shall be complete with threshold and header. Door shall have polyurethane foam core insulation and a minimum R value of 13. Door shall be supplied with deadbolts – Titan ANSI A156.5 grade rating or approved equal.
- c. All door locks shall be keyed to match the Countys key. Lever-type commercial door handles shall be utilized.
- d. Door shall be supplied with a mechanical surface mounted door closer.

C. Windows: The building shall have no windows (except in overhead doors).

3.09 Site Preparation Specifications:

- A. There is an existing drainage ditch located approximately under the north wall of the proposed building. The Contractor shall excavate and relocate the existing drainage ditch approximately 20-feet to the north and use material to fill in the existing drainage ditch. The material shall be mechanically compacted.
- B. The Contractor shall prepare the site for height of sub-grade for concrete floor and slabs (rough grading). All elevations shall be approved by the Owner. The goal would be that the finish floor elevation be approximately 1.5-foot higher than the surrounding ground.
- C. After the ditch is relocated, the Contractor shall scarify and recompact the top 6-inches of the site to obtain a uniformly compacted subgrade. The subgrade shall be proof rolled in the presents of the County Engineer. Any soft spots determined from the proof roll, in the opinion of the County Engineer, shall be repaired to the satisfaction of the County Engineer. Any additional costs to repair or improve the subgrade shall be negotiated as a change order.
- D. The Contractor shall haul in, place and compact 10-inches Class 5 aggregate base and 2-inches leveling sand.
- E. The Contractor shall haul in approximately 50 CY topsoil for finish & fine grading of the site to fit the slopes and concrete slabs. It shall be the Contractors responsibility to notify the Owner to seek elevation approval prior to work commencing. Owner shall seed with grass.

3.10 Workmanship:

- A. The Contractor shall do all construction in a workman like method following the latest construction practices and shall cooperate with the owner, City of Manvel and/or Owner's representatives. Any construction that does not meet this specification or, approval of the Owner, shall be removed and replaced at the Contractor's expense.

4.0 UTILITY CONNECTIONS AND PERMITS

4.01 Electrical Service:

- A. One 200 Amp, 120/240V/1Ø service shall be required for this facility. The main distribution panels shall have a 200A main circuit breaker with a minimum 24k AIC rating to serve as main disconnect switch and be service entrance rated. Panel shall have a minimum of 40 circuits. 200A main circuit breaker shall have a 200A frame with an 80% trip rating. Provide ¾" fire-retardant painted plywood backboard for mounting of electrical panel. Provide a panel directory mounted on inside of panel door. The panel shall be located such that future circuits can easily be added, particularly for the office/bathroom.
- B. The Contractor shall verify with Owner the location of all electrical components including: main distribution panels, ceiling fans, outlets, switches and light fixtures.
- C. Each duplex outlet shall be on its own 20-amp circuit.
- D. At a minimum the bid shall include:
 - a. One main panel
 - b. Two commercial ceiling fans with ground level variable speed control.
 - c. Light switches adjacent to walk-in door to control light fixtures
 - d. Power to overhead doors, controls & required safety features.
 - e. External duplex: one outlet in northwest corner area and one in the southwest corner area.
 - f. Internal duplex: one outlet on the south wall, two on east wall, two on north wall between panel and steps and one outlet on south exterior bathroom wall, and zero on the west wall, one outlet in the bathroom, one outlet on exterior west bathroom wall.
 - g. Lighted exit sign at walk-in door with battery backup.
 - h. Power ran to fuel tank, and wire/connect fuel pump and meter, south wall (tank supplied by county, pump and meter supplied by Valley Petroleum separately)
 - i. Power to gas/propane boiler & thermostat

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- j. Power to unit heater & thermostat (mounted over bathroom)
 - k. Welder Outlet, 240v, 50 amp, (adjacent to panel)
 - l. Air Compressor Outlet, 240v, 30 amp (adjacent to panel)
 - m. Pressure Washer, 240v, 20 amp (west bathroom exterior wall)
 - n. Bathroom baseboard heater, 240v (48")
 - o. Power to 4-gallon Water Heater
 - p. Cell Phone Booster, with exterior antenna, HiBoost, 68 dB, 8,000 sq ft, or approved equal.
 - q. Lighting as described below.
- E. Lighting: All lights shall be LED, UL listed suitable for wet outside conditions, cold weather starting, 120 volt, 5000K (cool) color temperature.
- a. External – Four external lights shall be installed. One light over the walk in door (< 1600 lumens, downlight not flood), one over each overhead door (< 5000 lumens). The lights shall be controllable with a photocell sensor, and manual indoor switches. One downlight shall be installed over the fuel tank on the south wall, the light shall be control via an exterior switch.
 - b. Internal – The minimum lighting requirement shall be 50 foot candles per square foot. The electrician shall determine the spacing and number of lighting fixtures. The bathroom shall be separately controlled.
- F. The Contractor shall obtain the electric connection permit or service application from Ottetail Power, however the fees associated shall be paid by the County and not part of the bid. The Contractor shall coordinate with Ottetail power the temporary & permanent service and for service/metering requirements.
- G. The Electrical Subcontractor shall be responsible for coordinating with the Owner and Ottetail Power in getting power to the building and for service/metering requirements required by the electric provider. Contractor shall provide a lever by-pass meter socket or similar. Ottetail power shall provide the meter. The Contractor shall provide for the underground service drop from the building to power pole (straight west of the south wall) in the alley.
- H. The Contractor shall include all costs associated to complete the electrical system in the bid.
- I. Electrical Subcontractor shall coordinate with prime Contractor on whether or not temporary service for construction is necessary. If temporary service is needed, then that shall be included in the lump sum bid price. The Owner shall pay Ottetail power for costs of energy used.

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- J. All electrical circuitry shall be installed in conduit according to national, state and/or local codes, whichever is greater.
 - K. All electrical equipment furnished in this project must be new from manufacturer. No refurbished equipment shall be allowed to be installed in this facility.
 - L. Disconnects and starters shall be heavy-duty rated and be labeled as to device it serves.
 - M. Receptacles and switches shall be specification grade. All devices shall match existing building in color throughout the facility.
 - N. The Electrical Subcontractor has the option to install wiring inside the wall cavity or externally in conduit.
 - O. Electrical Subcontractor is responsible for issuing a wiring certificate with the North Dakota State Electrical Board and City of Manvel inspection department and paying all associated inspection fees.

4.02 Propane Gas Service:

- A. The Owner shall obtain the propane tank and have the service line buried to the new building.
- B. The Contractor shall connect propane gas to the 100,000 BTU ceiling mounting gas unit heater (over bathroom) and the 80,000 BTU boiler.
- C. The Plumbing Subcontractor is responsible for issuing a plumbing/gas certificate with the State of North Dakota and the City of Manvel and pay all associated inspection fees.

4.03 Water Service:

- A. The Owner shall obtain the water connection permit and membership from Agassiz Waters Users and pay associated fees.
- B. The Contractor must be bonded, licensed and insurance with Agassiz Water Users.
- C. The obtained membership shall supply the Contractor the following materials: connection tee, corporation stop, curb stop, meter, pressure regulator, expansion tank and backflow valve. The Contractor shall install the provided materials and coordinate with Agassiz and the Owner.

- D. The water service connection has already been tapped onto the main and extended into the Owners existing shed. The new service shall disconnect the line from the curb stop into the existing building, cap the line, then extend the new service from the existing curb stop to the new building.
- E. The Contractor shall install all plumbing appurtenances and supply other valves and miscellaneous materials.
- F. The service line shall be 1-inch 160 psi HDPE, approximately 220-feet in length. No splices allowed. The excavation shall be mechanical compacted backfill in maximum 1-foot lifts. Contractor shall maintain 8-foot minimum cover. The trench shall be mechanically recompacted.
- G. The Contractor shall supply and install a completed finished turnkey bathroom. At a minimum the bathroom shall include, one minimum 4-gallon water heater (raised off the floor), one utility sink with faucet and one elongated tall toilet. Appurtenances like toilet paper holder or cabinets shall be finished by the owner.
- H. The Contractor shall provide one cold water interior hose bib.

4.04 Sanitary Sewer Service:

- A. The Owner shall obtain the sanitary sewer hook-up permit and membership from the City of Manvel and pay associated fees.
- B. Contractor shall be a licensed plumber and coordinate inspection by the City inspector.
- C. The sewer service shall connect to the existing 4" service at the existing cleanout. The existing line into the County shed shall be capped off and abandoned in-place. The new service shall be 6-inch PVC Schedule 40, laid at a 0.60% or flatter, as allowed by code and approximately 190-feet in length. 6-inch is being used due to needing a flatter grade. A new cleanout shall be added immediately outside the new building. The pipe inside the new building shall be 4-inch.
- D. The portion under the alleyway shall be insulated with a high density expanded polystyrene foam board suitable for below grade applications. The insulation shall be 2-inch thickness, 4-foot width and 72-feet in length.
- E. The trench shall be mechanically recompacted.

- F. The Contractor shall furnish and install a continuous U-Drain (or approved equal) floor trench drain system along the center of the building, see building layout. The drain shall be approximately 20-feet in length, a minimum of 5-inches in overall width and furnished with a slotted ductile iron grating with a capacity of 56,000 pounds (capable of supporting a loaded tandem truck or motor grader). Invert shall be continuously sloped to drain. The system shall be equipped with a sand and oil interceptor/separator pits inside the building. The pits shall have removable lids for cleaning access. The system shall meet state and local codes. The concrete surrounding the trench system shall be thickened under and around and reinforcing shall be tied under and around the floor trench system to provide a full and continuous support.
- G. Install one floor drain in the bathroom and tie to sanitary sewer.

5.0 Mechanical Work:

5.01 Plumbing

- A. All plumbing must be completed according to state and local codes, whichever is greater. Actual location of plumbing will be determined in the field. Reference attached floor plan for approximate location of plumbing fixtures. Verify actual locations with General contractor and Owner prior to final rough in.
- B. Furnish and install one floor drain in bathroom. Tie floor drain into sanitary sewer.
- C. The Plumbing Subcontractor is responsible for issuing a plumbing/gas certificate with the State of North Dakota and the City of Manvel and pay all associated inspection fees.
- D. See sanitary sewer service section above for further specifications.

5.02 Heating System:

- A. The primary heating source shall be provided by a hydronic floor heating system. The secondary heating system shall be a suspended unit heater above the bathroom.
- B. The Contractor shall provide all the fittings, connectors, manifolds, hangers, piping, regulators, cut, patch, sealing, etc as required to deliver a complete and functioning system.
- C. All systems and equipment are to be installed per equipment manufacturer's recommendations and requirements set forth by the applicable State and Local codes.

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- D. Zones: The hydronic floor heating system shall be on one zone.
- E. Floor Tubing: Floor tubing shall be 1/2" cross-link PEX-b run through-out the entire zones. Tubing shall be spaced 6-inches on center for the first 2-feet of the perimeter, and spaced 12-inches on center for remaining area. Tubing located in front of the overhead and walk-in doors shall be spaced 6-inches on center for the first 3-feet to prevent ice buildup. Tubing shall be stapled to insulation. Single tubing circuits shall not exceed 300-feet in overall length. Tubing shall be connected to a central manifold with a stainless steel body, brass port connections, EDPM seals, integral ball valves, flow fittings & thermometers. EZRoute or approved equal, shall be provided at the slab to protect the pex tubing as it penetrates the slab. Piping shall be insulated as required per the International Energy Codes as adopted by the State.
- F. Insulation: see Concrete Slab spec.
- G. Propane Gas Boiler: Hot water shall be generated by a single wall hung condensing 80,000 BTU boiler. Boiler shall be an HTP model UFT-80 or approved equal. Each zone shall be serviced via single phase inline pumps, adequately sized to deliver the required flow to each zone to satisfy the heat call. Pumps shall be B&G PL series or approved equal.
- H. Zone Control: Each zone shall be controlled via a wall-mounted digital thermostat. Each thermostat shall be controlled via a slab sensor to measure slab temperature. The sensor shall be located at least 5 feet from an exterior wall. Temperature controls shall be stand alone.
- I. Circulating Liquid: The system shall be filled with a 40% propylene glycol / 60% water solution for freeze protection. Piping & tubing shall be adequately cleaned & flushed prior to adding glycol/water solution.
- J. Appurtenances: The heating system shall have isolation valves distributed throughout for equipment & manifold isolation. Isolation valves, air vents, etc shall be readily accessible. System shall have an adequately sized air separator, expansion tank, relief valve, flow switches, low water cut-off, air bleeders, combustion air & vent pipe as per code. Air control devices shall be equal to B&G, or approved equal. Piping between the boiler and manifold shall be Type L sweat copper.
- K. Secondary heating: The secondary heating system shall be a propane gas unit heater, suspended from the ceiling above the bathroom. The heater shall have a minimum 100,000 BTU rating. The heater shall be a Reznor UDAS or equivalent. The heater shall have an aluminized steel heat exchanger, one-piece burner assembly, separated combustion feature to use outside air for combustion through a flue pipe, utilize an electronic spark ignitor (no standing pilot light), power vented exhaust and intake, and a separate digital wall thermostat.

BID FORM

In accordance with the provisions of the ITB, the undersigned hereby proposes to furnish all labor, equipment and materials per the enclosed specifications for the construction of an Equipment Building to be constructed at Manvel, North Dakota.

Total Bid \$ _____

Receipt of the following addenda to the RFP, by date, is acknowledged:

SIGNED: _____

FULL NAME: _____
(Please Print)

TITLE: _____

FIRM NAME: _____

FIRM ADDRESS: _____

PHONE NUMBER: _____

EMAIL: _____

Include list of three references.

CONTRACT

STATE OF NORTH DAKOTA)
COUNTY OF GRAND FORKS)

CONTRACT FOR THE: construction of **52' x 56' MANVEL EQUIPMENT SHED.**

THIS AGREEMENT, made this ___ day of _____ 2023, by and between _____
_____ party of the first part and Grand Forks County, party of the second part.

WITNESSETH, that whereas the County Commission of Grand Forks County on this day 15th day of August, 2023 order certain work, to wit;

52' x 56' MANVEL EQUIPMENT SHED, for Grand Forks County, ND.

WHEREAS at a public sale of the job of 52' x 56' MANVEL EQUIPMENT SHED, Grand Forks, ND. held on the 10th day of August, 2023, the Party of the second part did duly award and sell to the party of the first part, the job of: 52' x 56' EQUIPMENT BUILDING, for Grand Forks County, ND., in accordance with the plans and specifications theretofore filed in the proceedings, said firm being the lowest and best responsible bidder, therefore;

The party of the first part further covenants and agrees that he will complete the same in every respect to the satisfaction and approval of the County Commission of Grand Forks County, North Dakota and in accordance with the plans and specifications on file in said proceedings. The project shall be completed by **December 15, 2023.**

The party of the first part further covenants and agrees that he will guaranty all work performed under this contract for a period of one (1) year beyond the date that Grand Forks County determines that all work has been completed.

The party of the first part, further agrees that time shall be of the essence in this contract and that if there is a failure to perform any of the work herein described according to the terms of this contract, and within the time limits herein, and according to the plans and specifications, that it shall forfeit and pay to the party of the second part the sum of \$1,000.00 each calendar day that such failure shall continue, and that no extension of the time within which to complete said work shall affect the right of the party of the second part to enforce such forfeiture.

Grand Forks County has the right to modify the plans and specifications as the work proceeds and as circumstances require. In this event, the change in cost resulting from the changes will be paid by the second party at a rate not greater than the amount for similar work in the contract.

Upon the completion of said work according to the terms hereof and the inspection and approval thereof by Grand Forks County, the party of the second part agrees to pay the party of the first part for said work, the sum of = Total Contract Amount = _____ Dollars (\$ _____).

Pursuant to the terms and conditions of the advertisement for bids, and as a condition precedent to the enforceability of this contract, the party of the first part, has furnished and attached hereto a corporate surety bond in the sum of One Hundred (100%) percent of the contract price for the purpose of guaranteeing the party of the first part, performance hereunder, together with a payment bond attached hereto in the sum of One Hundred (100%) percent of the contract price for the purpose of guaranteeing payment to all persons, firms and corporations furnishing materials for or performing labor in the prosecution of the work provided for in this contract.

IN WITNESS WHEREOF, the party of the first part has caused this instrument to be executed by its Chairman and its Auditor with its seal affixed and the party of the second part has caused this instrument to be executed the day and year first above written.

Contractor:

By _____
Print Name _____
Title _____
Date _____

and _____
(Witness) Print Name _____

Grand Forks County:

By _____
Print Name _____
(Chairman of the Board of Grand Forks County)
Date: _____

and _____
(Grand Forks County Auditor)
Print Name _____

CHAPTER III

PUBLIC PLACES AND PROPERTY

Article I
Construction and Repair

3.0101 Supervision

All construction maintenance and repair of public streets, alleys, sidewalks and other public ways shall be under the supervision of the city engineer or commissioner of streets and public improvements. He shall be charged with the enforcement of all ordinance provisions relating to such public places (except traffic ordinances) and is hereby authorized to enforce such ordinance.

3.0102 Construction and Repair -- Permits

It shall be unlawful to construct, reconstruct, alter, grade, or repair, any public street, sidewalk, driveway, curbs, gutters, retaining walls, without having first secured a permit therefor, unless said work is performed by the city contractor. Applications for such permits shall be made to the auditor and shall state the location of the intended pavement or repair, the extent thereof, and the person or firm who is to do the actual construction work. No such permits shall be issued except where the work will conform to the ordinances of the city.

3.0103 Bond

Each applicant shall file a bond in the amount of Five Thousand and no/100ths (\$5,000.00) Dollars with surety to be approved by the governing body conditioned to indemnify the city for any loss or damage resulting from the work undertaken or the manner of doing the same.

3.0104 Specifications

All construction, maintenance and repair herein shall be made in conformity with specifications laid down or approved from time to time by the governing body.

3.0105 Duty of Owner to Maintain

It shall be the duty of the owner of any property along which a sidewalk has been constructed to maintain the same in good repair and safe condition. Should any such owner fail so to maintain such sidewalks the city engineer or street commissioner shall direct him to make such repairs as may be necessary to restore such sidewalk to a safe

City of Manvel

BUILDING PERMIT FEES

ONE & TWO FAMILY RESIDENCES

\$1.00 -	500	-----	\$	15.00	\$ 50,001 -	51,000	-----	\$	279.50
-	1,000	-----		20.00	-	52,000	-----		282.50
-	2,000	-----		26.00	-	53,000	-----		285.50
-	3,000	-----		32.00	-	54,000	-----		288.50
-	4,000	-----		38.00	-	55,000	-----		291.50
-	5,000	-----		44.00	-	56,000	-----		294.50
-	6,000	-----		50.00	-	57,000	-----		297.50
-	7,000	-----		56.00	-	58,000	-----		300.50
-	8,000	-----		62.00	-	59,000	-----		303.50
-	9,000	-----		68.00	-	60,000	-----		306.50
-	10,000	-----		74.00	-	61,000	-----		309.50
-	11,000	-----		80.00	-	62,000	-----		312.50
-	12,000	-----		86.00	-	63,000	-----		315.50
-	13,000	-----		92.00	-	64,000	-----		318.50
-	14,000	-----		98.00	-	65,000	-----		321.50
-	15,000	-----		104.00	-	66,000	-----		324.50
-	16,000	-----		110.00	-	67,000	-----		327.50
-	17,000	-----		116.00	-	68,000	-----		330.50
-	18,000	-----		122.00	-	69,000	-----		333.50
-	19,000	-----		128.00	-	70,000	-----		336.50
-	20,000	-----		134.00	-	71,000	-----		339.50
-	21,000	-----		140.00	-	72,000	-----		342.50
-	22,000	-----		146.00	-	73,000	-----		345.50
-	23,000	-----		152.00	-	74,000	-----		348.50
-	24,000	-----		158.00	-	75,000	-----		351.50
-	25,000	-----		164.00	-	76,000	-----		354.50
-	26,000	-----		169.50	-	77,000	-----		357.50
-	27,000	-----		173.00	-	78,000	-----		360.50
-	28,000	-----		177.50	-	79,000	-----		363.50
-	29,000	-----		182.00	-	80,000	-----		366.50
-	30,000	-----		186.50	-	81,000	-----		369.50
-	31,000	-----		191.00	-	82,000	-----		372.50
-	32,000	-----		195.50	-	83,000	-----		375.50
-	33,000	-----		200.00	-	84,000	-----		378.50
-	34,000	-----		204.50	-	85,000	-----		381.50
-	35,000	-----		209.00	-	86,000	-----		384.50
-	36,000	-----		213.50	-	87,000	-----		387.50
-	37,000	-----		218.00	-	88,000	-----		390.50
-	38,000	-----		222.50	-	89,000	-----		393.50
-	39,000	-----		227.00	-	90,000	-----		396.50
-	40,000	-----		231.50	-	91,000	-----		399.50
-	41,000	-----		236.00	-	92,000	-----		402.50
-	42,000	-----		240.50	-	93,000	-----		405.50
-	43,000	-----		245.00	-	94,000	-----		408.50
-	44,000	-----		249.50	-	95,000	-----		411.50
-	45,000	-----		254.00	-	96,000	-----		414.50
-	46,000	-----		258.50	-	97,000	-----		417.50
-	47,000	-----		263.00	-	98,000	-----		420.50
-	48,000	-----		267.50	-	99,000	-----		423.50
-	49,000	-----		272.00	-	100,000	-----		426.50
-	50,000	-----		276.50					

\$100,001 TO 500,000 INCREASES BY \$2.25 INCREMENTS FOR EACH ADDITIONAL \$1,000

AS APPROVED BY CITY COUNCIL ON

ATTACHMENT #1

condition. Should he fail, within a reasonable time, to follow the directions of the city engineer or street commissioner, the city engineer or street commissioner shall report the facts to the governing body who shall then proceed, as provided in the laws of the state of North Dakota, to make such sidewalk safe.

3.0106 Application for Permit

An applicant for a permit hereunder shall file with the city engineer or city auditor an application showing:

1. Name and address of the owner, or agent in charge, of the property abutting the proposed work area.
2. Name and address of the party doing the work.
3. Location of the work area.
4. Attached plans or sufficient sketches showing details of the proposed alterations.
5. Estimated cost of the alterations.
6. Such other information as the city engineer or street commissioner shall find reasonably necessary to the determination of whether a permit should be issued hereunder.

3.0107 Fees

The following fees shall accompany an application for a permit:

1. Filing fee of \$5.00. When a number of items of work specified in section 3.0102 are to be undertaken simultaneously only one permit and fee shall be required. If, however, various items of work are to be undertaken at diverse times, a separate application and permit and fee shall be required for such diverse items of work.
2. The city engineer shall charge a fee for all inspection and engineering services done in behalf of an applicant or permittee hereunder. The inspection and engineering fee shall be computed from a schedule of charges based on anticipated actual costs. Such schedule shall be posted for public inspection in the office of the city engineer.

3.0108 Standards for Issuance of Permit

The city engineer or street commissioner shall issue a permit hereunder when he finds:

1. That the work will be done according to the standard specifications of the City for public work of like character.

2. That the operation will not unreasonably interfere with vehicular and pedestrian traffic, the demand and necessity for parking spaces, and the means of ingress and egress to and from the property affected and adjacent properties.

3. That the health, welfare and safety of the public will not be unreasonably impaired.

3.0109 Sidewalks Built to Grade

All sidewalks shall be constructed in accordance with the elevation and grade therefor to be furnished by the city engineer, and shall be constructed under his direction and supervision, or if the city has no engineer, sidewalks shall be constructed under the supervision of the city street commissioner.

3.0110 Materials and Manner of Construction

The kind and quality of material of which, and the manner in which sidewalks, driveways, curb and gutter, relaying of block walks, and paving repairs shall be constructed shall be as follows:

1. Aggregate shall consist of the following:

(a) Sand for the construction of sidewalks shall be clean, washed material, free of any deleterious and organic matter. The sand shall be a type commonly used in the mixing of portland cement concrete.

(b) Gravel shall be clean, washed material, free of any deleterious and organic matter. Maximum allowable size for sidewalk mix shall be three-fourths inch. The type of aggregate to be used is that which is commonly incorporated in concrete construction.

(c) Cement for the mixture shall be portland cement of the standard type as accepted by the American Society of Testing Materials for concrete mixtures.

2. The subgrade shall be thoroughly prepared and compacted before any sidewalk is laid or concrete is placed. Where the sidewalk will rest on fill, said fill shall be compacted in six inch layers and shall be tamped with mechanical devices, or similar devices, to a density that allows no settling. In lieu of compaction of soil, gravel may be used and it shall be thoroughly compacted and rolled to assure no further settling.

3. Expansion joints shall be placed in the sidewalk proper and shall be of the pre-molded type one-half inch thick. Expansion joints shall be placed at uniform intervals, but in no case shall the distance between expansion joints exceed twenty-five feet. Where the sidewalk will be laid next to an existing curb, or where it shall be poured separate from the curb, or any other concrete structure, to include driveways and existing sidewalks, expansion joints shall be placed between the existing structure and the newly poured mixture.

4. There shall be provided in all sidewalks at five foot intervals contraction joints which shall be struck to a depth to at least three-sixteenths of an inch and shall not exceed one-eighths of an inch in width. These shall be true and at right angles to the edges of the sidewalk. The sidewalk shall slope at the rate of one-quarter inch per foot of width from the property edge toward the street side of the sidewalks.

5. Strength of concrete mixture shall be three thousand pounds per square inch of concrete and the finish shall be a wood floated finish, broom finish or belted finish.

3.0111 City Contractor

The city auditor shall receive bids for the construction of sidewalks, driveways, curb and gutter and paving repair as the city may find necessary to have done. Such bids shall be made upon blanks furnished by the city engineer or street commissioner and shall conform to specifications filed with the city auditor by the city engineer or street commissioner and approved by the governing body.

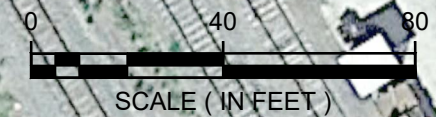
All sidewalks, driveways, curb and gutter, and alley returns lying between the property line and the abutting street hereafter constructed within the City must conform to this chapter, and the specifications filed with the city engineer and approved by the governing body must specify the details with respect thereto. When any contract for the construction of sidewalks, driveways, curb and gutter, relaying of block walks, and paving repairs is about to be entered into by the City in accordance with the provisions of the laws of this state, the contractor to whom any such contract shall be awarded shall be required, before such contract is entered into, to give, in addition to the contract bond required by the laws of the State of North Dakota, an additional bond in an amount to be determined by the governing body running to the City, conditioned that said contractor shall maintain and keep in good repair, for a period of two (2) years from date of final estimate all sidewalks, driveways, curb and gutter, and paving repairs so constructed by such contractor under the terms of such contract, and that in case of default under the part of such contractor to so maintain and keep such improvements in good repair made by him for the said period of two (2) years, or in case they shall within said time begin to crumble or disintegrate or become cracked or broken to such an extent that, in the opinion of the city engineer or street commissioner, the same is not a satisfactory compliance with the specifications for the construction thereof, then the city engineer or street commissioner may direct that such sidewalks, driveways, curb and gutter, or paving repairs be immediately repaired or relaid in whole or in part as he shall deem best, and the contractor shall immediately cause the same to be repaired or relaid; and in the case of the contractor's neglect, refusal or failure so to repair or to relay the same, the City, at any time within said two (2) year period, or thereafter, may cause the same to be repaired or relaid, and the cost thereof, whether done by the City directly or through a contract, may be recovered against said contractor and the surety upon such bond. Any person desiring to engage in the business of constructing paved driveways, sidewalks, curbs and retaining walls in or along the streets and alleys shall make application to the city auditor for a license to do such work, and shall present with his application

CERTIFICATE OF SURVEY

LOTS WITHIN BLOCK 14, ORIGINAL TOWNSITE MANVEL, NORTH DAKOTA

Legal Description:

Lots 1, 2, 3, 4, 5, 6, and 7, all within Block 14 of the Original Townsite of Manvel, North Dakota, according to the Official Plat thereof, on file and of record in the office of the County Recorder, in and for the County of Grand Forks and the State of North Dakota.



ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE NORTH DAKOTA STATE PLANE COORDINATE DATUM

LEGEND

- SURVEY BOUNDARY
- LOT LINE
- BOUNDARY CONTROL LINE
- RIGHT OF WAY LINE
- FOUND IRON MONUMENT
- 5/8 INCH DIAMETER BY 20 INCH LONG REBAR MONUMENT SET AND MARKED 57083

PREPARED FOR: GRAND FORKS COUNTY HIGHWAY DEPARTMENT	DATE	AMENDMENTS	BY
I HEREBY CERTIFY THAT THIS SURVEY, PLAN, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NORTH DAKOTA.			

DATE: JUNE 20, 2023
 SCALE: AS SHOWN
 DRAWN BY: C.D.J.
 CHECKED BY: C.W.M.
 FILE NUMBER: 2023-10877

