



Request for Proposals: Timberlane Regional School District Irrigation Upgrades

SAU 106 (Timberlane Regional School District "TRSD") is requesting sealed proposals for providing irrigation upgrades for the Athletic fields at the Timberlane Regional Campus located at 30-44 Greenough Road, Plaistow, NH per the specification document attached. **A Mandatory walkthrough will take place on December 13, 2023, at 11:00AM. All sealed proposals need to be submitted by January 16, 2024, at 1:00PM with a proposal opening at 1:00PM.**

The company shall submit a statement with the proposal, indicating irrigation experience, together with the names of any school districts previously and/or currently served, the dates involved, and the scope of the services performed.

Proposals must remain firm for 30 days after the proposal opening.

The SAU may make investigation, as they deem necessary to determine the ability of the company to perform the work. The company shall furnish to the SAU all such information and data for this purpose as the SAU may request. The Superintendent reserves the right to accept or reject any and all proposals or any item(s) thereof, and to waive any informalities in the proposal process and to cancel in part or in its entirety the request for proposal and to award the contract as the Superintendent deems to be in the best interests of the School District. The School District further reserve the right to select the proposal that best meets the Districts' needs as determined by the Superintendent. While price will be a substantial factor in the decision, the Superintendent reserves the right to select a vendor without the lowest cost proposal.

Any deviation from the conditions and specifications must be clearly expressed by each submitter in the appropriate space on the proposal form. Unless so stated by the Submitter and accepted by the District all conditions and specifications apply.

Any fraudulent or inaccurate statements or willful concealment of relevant information by the Submitter are grounds for rejection of that proposal and for the termination of any subsequent contract there from. Submitter may not withdraw proposal after proposal opening.

The successful submitter, hereinafter referred to as the contractor, shall be prepared to enter into a written contract with the school district upon written acceptance of the proposal by the District. The term of the contract will extend until June 30, 2024.

Final decisions on any limits to the scope of work shall be noted in the agreement/contract once project costs have been evaluated by the district.

All contractors/companies submitting proposals must furnish labor, material, tools, and equipment necessary to perform the task and do all else, reasonably implied, as necessary for the prompt and satisfactory completion of this contract.

All proposals must be in a sealed envelope marked "RFP-Irrigation Upgrades" and addressed to Karl Ingoldsby, Director of Plant Operations, 30 Greenough Road, Plaistow, NH 03865 no later than **Tuesday, January 16, 2024, by 1:00 PM with a proposal opening at 1:00 PM.**

Please direct all questions to:

Karl Ingoldsby, TRSD Director of Plant Operations, 603-944-3785, karl.ingoldsby@timberlane.net

SAU 106 – 30 Greenough Road, Plaistow, NH 03865 (603) 382-6541 ext:3350

REQUEST FOR PROPOSAL – IRRIGATION UPGRADES



Current Conditions:

Water Sources:

There is a single 10 Horsepower pump dedicated to supplying the irrigation system with water from a pond fed by drainage. The pump is controlled by a variable frequency drive in a pumphouse, and the pump is suspended from the pond bottom by a float system. The primary issue with using the pond as a water source is that during periods of drought the water level drops as there is no means of filling the pond without rainfall. When the water level drops and the water warms, algae blooms and causes issues with clogging the intake system of the pump. There is currently a suction screen that is continuously rinsed with water from the pump resulting in about 15-20% of the pump's energy going towards cleaning the intake screen during operation. The primary goal of improving the water supply system will include:

- Providing a scheduled intake filter flush so that pump efficiency can be improved during operation
- Measuring Pump flow and output pressure through the irrigation management system



Water quality in the declines as the pond becomes shallower, warms, and sits stagnant.



Early spring water quality is improved due to cool temperatures and abundant water circulating.

Irrigation Line Move/Relocate:

The main irrigation line to the upper fields, by soccer, has had several leaks and is located under the new jump areas. It is the intent to add a replacement line along the tree line away from the jump areas to supply water to the upper fields. This should be a stronger line to prevent failure in the future.



Irrigation Control and Performance:



Due to water quality from the pond, replace residential valves with more durable, commercial valves with scrubbers and rebuild the valve boxes with crushed stone.



This valves setup is ideal in that there is an isolation valve, clean wiring and a commercial valve installed



Reset Sprinklers to grade and nozzle correctly to achieve adequate coverage based on spacing. Sprinklers set too deep leads to excessive moisture around the head and poor coverage.



Consider adjustments to the wiring so that only one wire is on each station.

Currently there are 3 standalone controllers on the property. This creates complications in scheduling a large property. The controllers are scheduled appropriately to not ask more from the pump than it can reasonably provide. Improvements to the irrigation controls will:

- Unify 3 controllers into one using internet connectivity provided from the scoring tower,
- Install and configure flow and pressure sensing using the controller at the pumphouse.

In general, most of the irrigation is sufficient however there are coverage issues, signs of system age and some efficiency improvements which could be considered. Additionally, dirtier water can accelerate wear as abrasive materials work through the gears and seals. Items to be addressed:

- Install a filter sized at 240 Gallons per minute or greater at the pump house to clean water headed to valves and sprinklers. Install an automatic valve to flush the filter.
- Set all sprinklers to grade and nozzle uniformly based on spacing, pipe sizing and system pressure.
- Replace residential valves with commercial valves with scrubbers intended for dirty water situations and higher pressure.
- Increase coverage of the field inside of the track to fully cover the area. Currently this area is covered by about 20 heads and a typical full coverage design would require 42-50 heads.



Specification Document

To better control and monitor irrigation, and water usage, to increase irrigation coverage, and performance, as well as ensure there is enough water supply in the irrigation pond, the Timberlane Regional School District is soliciting proposals for the following:

Installation of a central control platform to unify three controllers into a single, remotely accessible control platform for system management with the following functionality:

- Flow and Pressure Monitoring and Management
- Water Level Monitoring and Management
- Monitoring and Management of Multiple Water Sources Simultaneously on the same controller
- 2-wire and Traditional Wire Control Capability in the same controller
- Remove battery operated timers from system and develop control operation of valve using the above-mentioned controller.

Coverage Improvement of the Football Field by adding approximately 7 zones with 1-inch bottom inlet rotors. Installation to be a design/build with materials and installation deemed suitable by School District. Irrigation design due with proposal.

System Improvements:

Install (15) 1-inch commercial scrubber valves approved by School district on field hockey field and install piping from valve to first head to accommodate flow rate of 22 Gallons Per Minute.

Install, set to grade, adjust and consistently nozzle new rotors on all existing zones using approved materials on three controllers.

Move Main Line to Upper Fields:

Replace main line from Pumphouse to Upper fields so it no longer runs under any of the jump areas for Track and Field events. The preferred location would be along the tree line.

Annual Maintenance:

Proposal for annual maintenance including 2 seasonal checks (June and August 2024), Winterization October/November of 2025, spring turn on (April 2025), training on-site and remote assistance for the 2024 irrigation season (April 2024 to November 2024).



EXAMINATION

- A. Contractor must examine existing area. Measurements listed in these specifications are intended to give an approximation of the scope of the work.
- B. All final field measurements are the responsibility of the contractor.

QUALIFICATION REQUIREMENTS

- Contractor shall be a single firm specializing in Irrigation installation and upgrades. Portions of the work may be subbed out, but ultimate responsibility for workmanship falls on installer.
- A qualified installer with a minimum of 10 years of experience.
- All employees must be properly trained and familiar with the work, products, and procedures.
- Contractor must provide a list of at least 3 past client references relating to work of a similar project and scope. Reference list must include contact name, address, email address, and phone number. Contractor agrees to allow the SAU to contact any and all client references provided.

BOND REQUIREMENTS

Contractors must provide payment bond in accordance with New Hampshire RSA 447:16 Bond Required.

“...shall if said contract involves an expenditure of \$125,000, and may if it involves an expenditure of less amount, obtain as a condition precedent to the execution of the contract, sufficient security, by bond or otherwise, in an amount equal to at least 100 percent of the contract price, or of the estimated cost of the work...”

Failure to secure bonding will result in disqualification of proposal.

WORK SITE

- All materials and equipment must be submitted by the Contractor and reviewed and approved by Owner prior to installation.
- Furnish and install only the materials as specified herein, in strict accordance with and approval by the manufacturer.
- The Contractor must examine the conditions under which installation work is to be performed and notify the Owner of unsatisfactory conditions. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the Owner.
- Weather conditions - Proceed with installation work only when weather conditions are in compliance with standards, and when conditions will permit the work to proceed in accordance with requirements and the manufacturer's recommendations.
- Before starting any work, the Contractors shall protect the work areas with barricades / cones to prevent traffic and persons from entering work area.
- Contractor shall supply all tools and equipment necessary for the tasks at hand, use of school tools and equipment will not be permitted.
- Cleanup: Remove trash and debris resulting from work at the end of each day's work. Contractor shall dispose of all waste materials off-site.
- Non-prescription drugs, and alcoholic beverages are not permitted on the grounds.
- The Timberlane Regional School District is a Smoke Free Campus. No tobacco or Vape use is permitted on school grounds.



NH School Administrative Unit 106 | Timberlane Regional School District

30 Greenough Road, Plaistow, NH 03865 Voice: (603) 382-6119 Fax: (603) 382-3334

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HEALTH AND SAFETY

- The health and safety of all workers, SAU employees, and school children is paramount. The Contractor shall implement all practical means of preventing injury including the placement of signs, ropes, barricades, or other warning devices to exclude people from the work zone.
- If any unauthorized person enters the work area, the Contractor shall cease all operations which could result in injury/accident to the visitor and not restart until the area is cleared.

WARRANTIES

- The Contractor shall provide a written one-year guarantee against defects in material or workmanship. Warranty period shall commence on the date of project completion.
- The Contractor shall provide all manufacturer written warranties to the Owner and shall register all equipment as required by the manufacturer to affect the warranty.

SPECIAL CONDITIONS

- The Contractor is responsible for obtaining all applicable permits and the associated fees.
- At Owners request, the Contractor shall provide release-of-liens from all subcontractors with payment requests.
- The awarded contract cannot be assigned or transferred to another company.
- The Owner will inspect all work and have the authority to stop work to ensure the proper execution of the contract and
- The Owner has the authority to reject any and all materials, whether worked or unworked, if such materials are not in accordance with the specifications.
- If at any time, the Owner determines that the Contractor's rate of performance is jeopardizing completion of the work within the Contract Time, the Contractor may be considered in default of the contract and the Owner may terminate the contract for convenience. The terminated Contractor shall be responsible for all additional costs (above contracted value) incurred as necessary to complete the contracted scope of work by others.
- The contractor shall, and ensure that all subcontractors shall, perform criminal background checks for all persons that will be present on the jobsite at any time. If background checks reveal convictions of any crimes involving offense against children, notify the Owner immediately and do not allow the offender access to the jobsite.

DELIVERY, STORAGE, AND PROTECTION

- Products on site must be sealed and properly labeled, in manufacturer's original containers, dry and undamaged. Do not use materials which have been opened prior to this project or damaged in any manner.
- Products and other materials shall be delivered to site at such a time as required for proper coordination of the work. Timberlane Regional School District has minimal storage space and therefore, cannot make accommodations to store materials for an extended period of time.
- The Contractor shall arrange material storage so as not to interfere with the Owner's operations.



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- Deliver materials in manufacturer's unopened container or bundles, fully identified with brand, type, grade, class, and all other qualifying information.
- The Contractor is responsible for coordinating and receiving all deliveries and shipments.
- The Contractor shall hold the Owner harmless from any loss arising from lost, stolen, or damaged materials stored at the job site.

REMOVAL AND DISPOSAL OF MATERIALS

- It is the responsibility of the Contractor to remove and dispose of all material according to federal, state, and local policies.
- Discarded materials must be removed from school site on a daily basis unless the Contractor provides an on-site dumpster. Dumpster should be emptied when it reaches capacity. It is the responsibility of the Contractor to have the dumpster removed from school property at the conclusion of the project.
- Location of on-site dumpster may be permitted at the Owners discretion.
- At the completion of the job, all unused material and rubbish shall be removed from the site. The space shall be clean, and all work areas shall be broom cleaned.

INSURANCE

- The Contractor shall purchase and maintain such insurance as will protect him from claims set forth below which may arise out of or result from the Contractor's operations under the Contract, whether such operations be by himself or by any subcontractor or by anyone directly or indirectly employed by any of them or by anyone for whose acts any of them may be liable. The Contractor shall submit a Certificate of Insurance showing the Contractor has the required coverage.
- The contractor shall name the SAU 106 Timberlane Regional School District as an additional insured.
- Claims under Workers' Compensation, disability benefit and other similar employee benefit acts.
- Claims for damages because of bodily injury, occupational sickness or disease, or death of his employees, and claims insured by usual personal injury liability coverage.
- Claims for damage because of bodily injury, occupational sickness or disease, or death of any person other than his employees, and claims insured by usual personal injury liability coverage.
- Claims for damage because of injury to or destruction of tangible property, including loss of use resulting therefrom.

a. Workers Compensation and Employers' Liability	Statutory Limits
Each Accident	\$1,000,000
Disease (Policy Limit)	\$1,000,000
Disease (Each Employee)	\$1,000,000
b. Comprehensive General Liability	
Bodily Injury (Each person/Each occurrence)	\$1,000,000
Property Damage	\$1,000,000
c. Comprehensive Automobile Liability	
Bodily Injury (Each person/Each occurrence)	\$1,000,000
Property Damage	\$1,000,000

LAWS AND REGULATIONS

The mission of the Timberlane Regional School District is to engage all students in challenging and relevant opportunities, emphasizing high aspirations and personal growth.



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- Contractor shall be solely responsible for complying with all Laws and Regulations governing the work, including, without limitation, applicable OSHA, EPA, DES, NH State regulations, and local town ordinances.

FINAL INSPECTION

- Contractor and Owner shall meet to complete a final inspection of all work at completion of the project. Owner will list all items requiring correction or completion (punch list) and furnish a copy to the Contractor.
- Contractor shall repair or replace defective work in a timely manner (generally within 5-days). Contractor shall notify the Owner upon completion of corrective actions for re-inspection of work.
- Undiscovered deficiencies or code compliance issues by the Owner or their agent(s) does not exempt the Contractor from liability and responsibility for corrective action(s).



Sealed proposals are due on Tuesday, January 16, 2024, 1:00PM at the SAU 106 office Building at 30 Greenough Road, Plaistow NH 03865

COMPANY PROFILE
and
REQUIRED SUBMITTALS

Please provide the following information regarding your business. **This form is required as part of your proposal submission.** You may attach additional sheets or documents as needed.

1. DUNS Number or Federal Tax ID # _____
2. Size of Company: Total number of employees _____
Total number of service employees _____
3. Number of years in business _____
4. Number of years under current management _____
5. Office locations (service, retail, other) _____
6. Please provide website address: _____
7. Insurance – Please provide proof of insurance per specifications.
8. Bid Payment Bond – please provide if applicable, see specifications, proof of eligibility Per New Hampshire RSA 447:16 if project is over \$125,000.
9. Warranty Information
 - A. Warranty Coverage: _____ (Company Name)
 - B. Number of years on labor _____
 - C. Number of years on installation _____
 - D. Exclusions: _____ (Company Name) will not have any liability or obligation under the limited warranty in case of:
 1. Damage caused by natural disasters.
 2. Any defect caused by misuse or abuse.
 3. Damage caused by unauthorized modification.
 4. Damage caused by improper maintenance.



COMPANY PROFILE cont.

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Hereby warranties the project listed Timberlane Regional School District in the towns of Atkinson, Danville, Plaistow, and Sandown, NH is free of any defect in material and workmanship. The period of warranty is one (1) year from the date of completion, final inspection, and acceptance. Any defects in material or workmanship resulting from construction procedures that occur during the warranty period will be repaired or replaced.

Date of Final Inspection: _____

Date of Warranty Expiration: _____

9. Provide operations and maintenance manuals, if applicable.

10. Identify maintenance requirements of proposed equipment (if applicable).

A. Required service to maintain warranty.

B. Service schedule for equipment proposed (example: weekly, monthly, yearly).

11. Provide list of proposed equipment/materials to be used on this project (per specifications)

☐ No equipment substitutions will be part of this project. _____

Please initial above.

Proposed Alternate Equipment:



COMPANY PROFILE cont.

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List 3 references for which your Company performed similar scope and size work for, include company/agency name, contact name and telephone number and email address.

- 1) _____

- 2) _____

- 3) _____

12. List all subcontractors to perform work including contact name and telephone number or check box below.

- ☐ No subcontractor will be performing work on this project. _____
Please initial above

- A. _____
- B. _____
- C. _____

Provide references for each subcontractor under separate attachment.

(Company Name)

(Print Name)

(Authorized Signature & Title)

(Date)



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PROPOSAL SUBMITTAL FORM Timberlane Regional School District Irrigation Upgrades and Repairs 2024

To: Mr. Karl Ingoldsby
SAU 106/Timberlane Regional School District
30 Greenough Rd.
Plaistow, NH 03865

Having carefully examined the description of the work to be accomplished, as contained in the Specifications dated November 2023, and having fully inspected the sites for all particulars, the undersigned agrees to perform the work, for the following Contract Price:

BASE PROPOSAL PRICE:

Installation of Irrigation Control Platform:	\$ _____
Coverage Improvements to Football Field :	\$ _____
System Improvement to Field Hockey and all other areas:	\$ _____
Move Upper Field Main line from under Jump Areas:	\$ _____
2025 Annual Maintenance:	\$ _____

Submittals Included:

____ Company Profile

By signature below, the company, if awarded a contract,

- Agrees to complete the work by May15, 2024.
- Agrees to use only equipment and materials as per attached specifications.
- Agrees to comply with all applicable and relevant codes, standards, regulations, and laws.

NAME OF CONTRACTOR: _____

ADDRESS OF CONTRACTOR: _____

PHONE #: _____

EMAIL: _____

SIGN HERE: _____

DATE

NAME OF AUTHORIZED OFFICER

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