

TOWN OF SIMSBURY

**DEPARTMENT OF CULTURE,
PARKS AND RECREATION
933 HOPMEADOW STREET
SIMSBURY, CT 06070**

INVITATION TO BID FOR

**MEMORIAL PARK
HARDBALL FIELD
IRRIGATION REPLACEMENT
52 PLANK HILL ROAD
SIMSBURY, CT**

Town of Simsbury seeks a qualified irrigation contractor to replace the irrigation system at the Memorial Park Hardball Field. 52 Plank Hill Road, Simsbury. The awarded contractor will be responsible for all labor, materials, transportation, and services necessary to furnish and install the irrigation system describe herein. The work area must be kept clean and free of hazards at all times. Removal of all the current irrigation heads and valves should be included as part of the project.

All work will be done Monday through Friday. No work shall be performed on State or Federal holidays unless with prior approval from the Director of Culture, Parks and Recreation Department. Work shall be completed with minimal impact to the facility users.

Sealed proposals will be accepted by Amy Meriwether, Director of Finance, Town of Simsbury, 933 Hopmeadow Street, Simsbury, CT 06070 until **10:00 a.m., Thursday, September 28, 2023.**

Specifications and bidding documents may be obtained electronically via the Town's web site at the following link: <http://www.simsbury-ct.gov/finance/pages/public-bids-and-rfp>. Bid documents will not be mailed or faxed.

STANDARD INSTRUCTIONS TO BIDDERS

**MEMORIAL PARK
HARDBALL FIELD
IRRIGATION REPLACEMENT
52 PLANK HILL ROAD
SIMSBURY, CT**

SUMMARY OF WORK & SPECIFICATIONS

SIMSBURY TOWN MEMORIAL PARK BASEBALL FIELD IRRIGATION STANDARD SPECIFICATIONS

PART 1- DESCRIPTION

1.01 General

Work in this section consists of all labor, materials, and equipment necessary to install the irrigation system as indicated on the plans and includes, but not necessarily limited to: Lawn system automatic controller and remote-control valves, the proper execution of the work, including trenching, boring under driveways, walks, and curbs, installation of pipe sleeves, and backfilling.

PART 2 – MATERIALS

2.01 Submittals

A. Before any irrigation system materials are delivered to the job site, submit to the Owner a complete list of all irrigation system materials proposed to be furnished and installed. Show manufacturer's name and catalog number for each item, furnish complete catalog cuts and technical data, and furnish the manufacturer's recommendations as to method of installation.

B. Provide at least one person who shall be present at all times during execution of this portion of the work, and who shall be thoroughly familiar with the type of materials being installed, and material manufacturer's recommended methods of installation, and who shall direct all work performed under this section. The Contractor shall have a minimum of 10 years' experience in commercial or residential lawn irrigation installation

2.02 Materials

A. Polyvinyl Chloride (PVC) Pipe/HDPE @POC

1. Main water feed line should be HDPE PIPE. Mainline and Lateral lines should be PVC CLASS 200 SDR 21 GASKET JOINT CL200. Pipe shall be rigid unplasticized conforming to ASTM D-1784 and D-2241 standard specifications for PVC pipe. The pipe shall be homogeneous throughout and free from visible cracks, holes, foreign materials, blisters, deleterious wrinkles, and dents.

2. All pipe shall be continuously and permanently marked with the following information: Manufacturer's name or trademark, size, schedule and type of pipe, working pressure at 73oF (23oC), and National Sanitation Foundation (N.S.F.) approval.

B. Risers

1. All stationary spray heads shall have risers of high-density polyethylene plastic pipe (“funny pipe”) with spiral barbed ell fittings. Minimum length of “funny pipe” shall be eighteen inches (18”) (450mm).
2. All rotor pop-up sprinklers shall have an adjustable pre-assembled double swing joint riser. Swing joints shall be DURA or Spears MIPT x MIPT or equal approved in advance by the Town. Swing joints shall be twelve inches (12”) (300mm) long and shall be threaded on both ends. The swing joint riser shall be of proper pipe size to match head threads.

C. Manual Valves

1. All manual ball valves, sizes three-inch (3”) (75mm) and smaller, shall be full ported ball valves with maximum working pressure of 175 psi (1200kPa) and 350 psi (2400kPa) hydrostatic test pressure.

D. Valve Boxes

1. All remote-control valves, manual control valves, zone shut-off valves, ball valves, or globe valves unless otherwise indicated, shall be installed in valve access box of proper size as required for easy access to the valve.
2. Valve boxes shall not be located within a playing field. Valve boxes shall be placed with a minimum of three feet (3’) (1m) separation between each valve box.

E. Sprinkler Heads

1. All heads of a particular type and for a particular function in the system shall be of the same manufacture and shall be marked with the manufacturer’s name and identification, in such a position that they can be identified without being removed from the system.

F. Automatic Irrigation Controllers

1. Field controllers shall be model numbers and manufacturers as shown on the plans or an acceptable equal.
2. Field controllers shall be installed on approved concrete bases in accordance with the manufacturer’s recommendations as shown on the drawings.
3. Field controllers shall be installed with manufacturer’s lightning and surge protection
4. Central controller shall be model number and manufacturers as shown on the plans, or acceptable equal. Central controller shall be located as shown on the drawings.
5. On site lockable disconnects or lockable fuse block and a 110-volt outlet shall be installed at each controller in a separate lockable water-tight enclosure.

G. Automatic Remote-Control Valves

1. All remote-control valves shall be two-inch (1 1/2”) (38mm) Hunter ICV, two-inch (2”) (50mm) Hunter ICV or approved equal. All valves shall be 24-volt, with epoxysealed solenoid coils and throttling stem. All splices shall be installed with 3M DBY and DBR types and all splices shall be made inside the valve box.

H. Control Cable

1. All electric control and ground wire shall be irrigation control cable or approved equal, 16-gauge unless otherwise indicated on the drawings. All wiring to be used for connecting the automatic remote-control valve to the automatic controllers shall be Type "UF", 600-volt, solid copper, single conductor wire with PVC insulation and bear UL approval for direct underground burial feeder cable.
2. Insulation shall be 4/64-inch (1.6mm) thick minimum covering of ICC-100 compound for positive waterproofing protection. All control or "hot" wires shall be of one color (Black) and all common or "ground" wires shall be (white or Red). When more than one valve is operated by a single controller station, provide separate control wire from the controller to each valve, and one valve per box. Each valve should have no less than twenty-four inches (24") (600mm) of control cable inside valve box. Each wire shall be labeled at the valve box and at the controller to what zone each wire controls.
3. Verification of wire types and installation procedures shall be checked to conform to local codes.

I. Fittings

1. All plastic pipe fittings shall be permanently marked with the following information: Manufacturer's name or trademark, size, schedule and type of pipe, working pressure at 73oF (23oC), and National Sanitation Foundation (N.S.F.) approval.
2. All plastic pipe fittings to be installed shall be molded fittings manufactured of the same material as the pipe and shall be suitable for solvent weld or screwed connections.
3. Slip fitting socket taper shall be so sized that a dry unsoftened pipe end, conforming to these special provisions, can be inserted no more than halfway into the socket. Plastic saddle and flange fittings will not be permitted.
4. When connection is plastic to metal, plastic male adapters shall be used. The male adapter shall be hand tightened, plus one turn with a strap wrench. Joint compound shall be Teflon Tape and Teflon paste. No oil-based products permitted
5. Solvent weld fittings shall be manufactured by Lasco, Spears, or acceptable equal. All lateral line fittings and mainline fittings two inches (3") (50mm) and smaller shall be schedule 40 solvent weld fittings.

J. Pipe Sleeves

1. Pipe sleeves shall be Schedule 40 PVC pipe, or equal.

K. Concrete

1. All concrete shall be 3,000 psi (20,700kPa) at 28 days, transit mixed.

L. Other Materials

1. All other materials, not specifically described, but required for a complete and proper irrigation system installation, shall be new, first quality of their respective kinds, and subject to the approval of the Town.

PART 3 – EXECUTION

3.01 Product Handling

- A. Use all means necessary to protect irrigation system materials before, during, and after installation and to protect the installed work and materials of all other trades.
- B. In the event of damage, immediately make all repairs and replacements necessary to the approval of the town and at no additional cost to the Owner.

3.02 Surface Conditions

A. Inspection

1. Prior to all work of this section, carefully inspect the installed work of all other trades and verify that all such work is complete to the point where this installation may properly commence.
2. Verify that trenching may be completed in accordance with the original design and the referenced standards.
3. In the event of discrepancy, immediately notify the town. Do not proceed with installation in areas of discrepancy until all discrepancies have been fully resolved.

3.03 Trenching

A. Perform all trenching required for the installation of items where the trenching is not specifically described in other sections of these Specifications.

B. Make all trenches in accordance with OSHA Requirements with sufficient width to provide free working space at both sides of the trench and around the installed item as required for gluing, Fusing HDPE, joining, backfilling, and compacting while minimizing width of trenches.

C. All mainline shall have a minimum cover of fourteen inches (14") (350mm) and a maximum cover of twenty inches (20") (500mm) above the pipe. All laterals shall be the same depth as the mainline. All lateral and main lines shall be installed in a straight line with minor arching or bending of pipe. Change in direction of pipe shall occur only with the use of proper fittings only.

D. Where trench excavation is inadvertently carried below proper elevations, backfill with material approved by the town and then compact to provide a firm and unyielding subgrade to the approval of the town and at no additional cost to the Owner.

E. Trench Bracing

1. Properly support all trenches in strict accordance with all pertinent rules and regulations.
2. Brace, sheet, and support trench walls in such a manner that they will be safe and that the ground alongside the excavation will not slide or settle, and that all existing improvements of every kind will be fully protected from damage.
3. In the event of damage to such improvements, immediately make all repairs and replacements necessary to the approval of the town and at no additional cost to the Owner.
4. Arrange all bracing, sheeting and shoring so as to not place stress on any portion of the completed work until the general construction thereof has proceeded far enough to provide sufficient strength.
5. Exercise care in the drawing and removal of sheeting, shoring, bracing, and timbering to prevent collapse or caving of the excavation faces being supported.

F. Grading and Stockpiling Trenched Material

1. Control the stockpiling of trenched material in a manner to prevent water running into the excavations.

2. Do not obstruct surface drainage but provide means whereby storm and waste waters are diverted into existing gutters, other surface drains, or temporary drains.

G. All trench excavation shall be made by open cut. During excavation, material suitable for backfilling shall be piled in an orderly manner a sufficient distance from the banks of the trench to avoid overloading, and to prevent slides or cave-ins. The Contractor shall remove all material not required for backfill or not suitable for backfill, from the site. Banks of trenches shall be kept as nearly vertical as possible and shall be properly sheeted and braced as may be necessary to prevent caving.

H. Trench widths in paved streets or in areas where proximity to other structures require vertical cuts, shall not be wider than is required for proper handling, jointing and bedding of the pipe.

I. The bottom of the trenches shall be accurately graded to line and grade and provide uniform bearing and support for each section of the pipe on undisturbed soil, at every point along its entire length. Depressions for joints shall be dug after the trench bottom has been graded, and shall be only of such length, depth and width as required for properly making the particular type of joint. Care shall be taken not to excavate below the depths indicated.

J. Where rock occurs in trench excavation, the rock shall be removed to a depth of six inches (6") (150mm) below the established grade line, and to a width of four inches (4") (101.6mm) greater than the outside diameter of the pipe to be installed in the trench.

K. Where excavation of trenches requires the removal of asphalt pavement, the pavement shall be cut in a straight line along the edge of the excavation by use of a spade-bitted air hammer, concrete saw, or similar approved equipment to obtain straight, square and clean break; and, after backfilling and subgrade preparations are completed, hot plant mix asphalt concrete shall be replaced and compacted in accordance with the appropriate standard specification (Town's Responsibility). Replaced base course and asphalt shall match removed sections, with minimum of two inches (2") (51mm) asphalt concrete over four inches of suitable (4") (101.6mm) base course.

L. Excess material, including rock, broken concrete, bituminous materials, debris, or other materials not suitable for backfill, shall be removed from the site and disposed of by the Contractor.

3.04 Boring

A. Boring shall be used to route pipe, wiring, or both under concrete structures such as walks or curbs where trenching is impractical. Sleeves shall be installed in all bored holes.

B. Boring shall be accomplished with a drill, auger, water jet, or any other instrument approved by the town capable of producing a precise hole. Boring shall not disturb overlaying structures or cause settlement and damage to those structures.

3.05 Sleeves

A. Sleeves shall be installed wherever routing of a pipe, wiring, or both crosses a paved area or passes through a bored hole

B. Sleeves laid in open trenches shall be uniformly and evenly supported by undisturbed soil on the trench bottom. Backfill shall conform to standards hereinafter specified.

C. Sleeves installed in borings shall be forced through and shall have a snug fit throughout the length of the bored

hole. Sleeves cracked or broken shall not be accepted.

3.06 Backfill

A. The trenching shall not be backfilled until inspection by the Irrigation Contractor has been completed and the pipe installation, including the grade, alignment, and jointing has been found to be in compliance with the requirements of the plans and specifications.

B. Select backfill material consisting of sand, fine gravel or select earth, free of large lumps or rocks larger than one inch (1") (25mm) shall be used in backfilling around and over the installed pipe.

C. The select material shall be obtained from the excavation material removed from the trench and shall be processed by screening, sifting, or selective sorting, so as to produce the type of backfill herein specified.

D. This backfill material shall be carefully deposited around and over the pipe in layers not more than six inches (6") (150mm) thick, loose measurement, unless otherwise permitted by the town, wetted to optimum moisture content and uniformly compacted to at least 95 percent of the maximum density obtainable at optimum moisture content as determined by AASHTO T99 Method A or D (latest revision), until the pipe has a cover depth of at least 14 inches (14") (350mm).

E. The remaining depth of the trench shall be backfilled with excavation material removed from the trench, which shall be wetted or dried to near optimum moisture content.

3.07 Field Measurements

A. Make all necessary measurements in the field to ensure precise fit of items in accordance with the original design.

3.08 Installation of Piping

A. Perform all trenching and backfilling as specified by the specifications in this Section.

B. Lay out the piping system in strict accordance with the plans. Where piping is shown on the plans to be under paved areas, but running parallel and adjacent to planted areas, the intention is to install the piping in the planted areas.

C. All mainlines, and laterals shall be installed with twelve inches (12") (304 mm) minimum cover, and a maximum of eighteen inches (18") (457 mm) cover, over the pipe.

D. All lines shall have a minimum clearance (horizontal and vertical) of four inches (4") (100mm) of adjacent pipe from each other, and six inches (6") (150mm) from lines of other trades, except through pipe sleeves. Parallel lines shall not be installed directly over one another.

E. Carefully inspect all pipe and fittings before installation, removing all dirt, scale, and burrs and reaming as required; install all pipe with all markings up for visual inspection and verification.

F. PVC Pipe

1. Plastic pipe shall be installed in a manner so as to provide for expansion and contraction as recommended by the manufacturer.

2. All plastic joints shall be solvent-weld joints. Only the solvent cement recommended by the pipe manufacturer shall be used. All plastic pipe and fittings shall be installed as outlined and instructed by the pipe manufacturer and it shall be the Contractor's responsibility to make arrangements with the pipe manufacturer for any field assistance that may be necessary. The Contractor shall assume full responsibility for the correct installation.
3. All plastic to metal joints shall be made with plastic adapters.
4. The solvent-weld joints shall be made dry.
5. The solvent-weld joints shall be allowed to set at least 24 hours before pressure is applied to the system on PVC pipe.
6. Swing joints shall be installed on the same side of the pipe as the head. Swing joints may not cross pipe laterally.

G. Thrust Blocks

1. Provide concrete thrust blocks for all pipe fittings on mainline.
2. All thrust blocks shall bear directly on undisturbed earth. Pipe shall be centered in the middle of thrust block. Contractor shall install a plastic barrier between the thrust block and the pipe and/or wires.

3.09 Installation of Equipment

A. All fittings, valves, etc. shall be carefully placed in the trenches as shown on the plans.

1. All control wires shall be clearly labeled, by station, using weatherproof material, both at the controller and at the valve. The outside cover of all automatic valve boxes shall also have the station number clearly stamped on the cover.
2. All sprinklers, having adjustable nozzles, shall be adjusted for proper and adequate distribution of the water over the coverage pattern of the sprinkler.
3. All nozzles on stationary pop-up sprinklers or stationary spray heads shall be tightened after installation. All sprinklers having an adjusting screw, adjusting stem or adjusting friction collars shall be adjusted as required for the proper arc of coverage, radius, diameter and/or gallonage discharge.

B. Lawn Sprinkler Heads

1. Install lawn sprinkler heads were indicated on the plans and in strict accordance with the manufacturer's recommendations.
2. Along walks and driveways where finished grade is established, set all heads one-quarter inch ($\frac{1}{4}$ ") (5mm) below surface of pavement at time of installation and one and one-half inches (1-1/2") (40mm) from pavement. Stake all temporary risers.
3. Set all heads to final grade where sod lawn will be installed.
4. Upon completion of maintenance period, reset all lawn sprinkler heads flush with grade and firmly anchor with soil.

3.10 Testing and Inspection

A. Closing-in Work

1. Do not allow or cause any of the work in this section to be covered up or enclosed until it has been inspected, tested, and approved by the town.
2. Where trenches are not closed at the end of the day Contractor shall accept all liability for any damage or injury that may result from open trenches. Provide barricades and warning tape as necessary around all open trenches.

B. Before backfilling the mainline, and with all control valves in place, completely flush and test the mainline and repair all leaks.

C. Testing

1. Make all necessary provisions for thoroughly bleeding the line of air and debris.
2. Before testing, fill the line with water for a period of at least 24 hours.
3. Correct all leaks and retest until acceptance by the Parks Superintendent.

D. Final Inspection

1. Thoroughly clean, adjust, and balance all systems.

E. Demonstrate the entire system to the town (Parks Superintendent or designee) of Simsbury, proving that all remote-control valves are properly balanced, that all heads are properly adjusted for radius and arc of coverage, and that the installed system is workable, clean, and efficient.

3.11 Record Drawings

A. Dimension from two permanent points of reference (buildings, monuments, sidewalks, curbs, pavement, etc.). Locations shown on as-built drawings shall be kept day to day as the project is being installed. All dimensions noted on drawings shall be neat and legible.

Show locations and depths of the following items:

Point of connection

Routing of sprinkler lines

Ball valves

Sprinkler control valves

Quick coupling valves

Routing of control and power wires

Sprinkler heads

Other related equipment

B. Record drawings must be delivered to the Owner (Town of Simsbury) upon completion.

3.12 Operations and Maintenance Manuals

A. Prepare and deliver to the Owner within ten calendar days prior to completion of construction, all required and necessary descriptive material in complete detail and sufficient quantity, properly prepared in four individually bound copies of the operations and maintenance manual. The manual shall describe the material installed and shall be in sufficient detail to permit operating personnel to understand, operate and maintain all equipment. Spare parts lists and related manufacturer information shall be included for each equipment item installed. Each complete, bound manual shall include the following information:

- 1.** Index sheet stating Contractor's address and telephone number, duration of guarantee period, list of equipment with names and addresses of local manufacturer representatives.
- 2.** Complete operating and maintenance instructions on all major equipment.

B. In addition to the above maintenance manuals, provide the maintenance personnel with instructions for system operation and show written evidence to the Owner at the conclusion of the project that this service has been rendered.

C. Final payment will not be made until record drawings and operation and maintenance manuals have been submitted and approved.

3.13 Warranty

A. Warranty requirements will be submitted to Owner upon substantial completion of work.

B. The Contractor shall winterize the system and perform spring start-up of the system during the guarantee period. These functions shall be coordinated in advance with the Owner, and the Owner's personnel shall be encouraged to participate.

- 1.** Upon re-energizing the system, the Contractor shall repair any leaks or breaks and shall check each head and valve, making any adjustment necessary, at no charge to the Town of Simsbury. (Unless damaged due to new construction or vandalism)

3.14 Bidders Qualifications

- 1.** Minimum of five (5) or more years' experience installing irrigation systems.
- 2.** Have successfully completed the installation of five (5) or more complete automatic irrigation projects in the past five years using HDPE pipe for main line and lateral piping.
- 3.** The contractor shall supply with his bid, a list of all irrigation projects completed in the past five years.

END OF SECTION

1. Work Hours and Staffing:

Memorial Park is a very busy facility with other baseball and softball fields onsite that are used by local sports groups. The best hours of work would be Monday through Friday, 7am-5pm.

2. Key Event Dates:

Invitation to Bid Issued	Thursday, September 14, 2023
Pre-Bid Conference	None; please contact if site visit is requested
Bids Due	Thursday, September 28, 2023 10:00am
Commencement of Work	Work to begin no sooner than Monday, October 30, 2023

3. Bid Submission Instructions:

- A. One (1) original and one (1) copy of all bids must be submitted in a sealed envelope with the bidder's name on the outside of the envelope and clearly marked "Sealed Proposal for Town of Simsbury – Memorial park irrigation replacement. If forwarded by mail or courier, the sealed envelope must be addressed to "Amy Meriwether, Director of Finance, Town of Simsbury, 933 Hopmeadow Street, Simsbury, CT 06070". Bids must be at the Town Hall prior to 10:00 a.m., on Thursday, September 28, 2023. Postmarks are NOT an acceptable waiver of this policy.
- B. Ditto marks or words such as "SAME" must not be used for the bid to be considered.
- C. All information must be submitted in ink or typewritten. Errors, alterations or corrections must be shown on both the original and all required copies, each of which must be initialed by the person signing the bid.
- D. Bids are considered valid for ninety (90) days after bids are opened. Bidders may not withdraw, cancel or modify their bid during this ninety (90) day period after bids are opened.
- E. An authorized person representing the legal entity of the bidder must sign bids.
- F. The inability to meet any specified requirement(s) must be stated in writing and attached to the bid form, or written on the bid form. If no exceptions are noted, it shall be assumed that the terms of the Invitation to Bid have been accepted.
- G. The Town of Simsbury reserves the right to waive any minor informality in a bid when such a waiver is in the best interest of the Town.

4. Questions:

Any questions about this project shall be directed to: Mr. Orlando Casiano, Parks Superintendent by fax (860) 408-9283, email at ocasiano@simsbury-ct.gov, or by mail to the Department of Culture, Parks and Recreation, 933 Hopmeadow Street Simsbury, CT 06070. To receive consideration, such questions must be received at least five (5) business days before the established date for receipt of bids. No oral interpretations shall be made to any respondent as to the meaning of any of the bid documents. Every request for an interpretation shall be made in writing.

The Town will respond to all appropriate questions via an addendum. Such addenda will become part of this Invitation to Bid and the resulting contract. At least three (3) days prior to the receipt of bids, the Town will post a copy of any addenda to its website, located at: <http://www.simsbury->

ct.gov/finance/pages/public-bids-and-rfp. It shall be the responsibility of each bidder to determine whether addenda have been issued, and if so, to download copies directly from the Town's website.

5. Measurement and Payment

All work will be paid as provided in the Bid Form for all work, including labor and materials, to complete the services described in this Invitation to Bid. No payments will be made for mobilization or materials.

The Contractor shall be responsible for all measurements and counts needed to provide pricing for the "Base Bid" and "Alternate 1

6. Presumption of Bidder Being Fully Informed:

At the time the first bid is opened, each bidder is presumed to have read and is thoroughly familiar with all bidding documents, as well as, all contract documents for this project. Failure or omission of the bidder to receive or examine any documentation or information concerning this bid shall in no way relieve any bidder from obligations with respect to their bid.

7. Pre-Bid Conference:

No pre-bid conference is scheduled. Interested contractors should contact Orlando Casiano, Parks Superintendent at 860-651-3944 ocasiano@simsbury-ct.gov if a pre-bid site visit is desired.

8. Interpretation of Acceptable Work:

The specifications, bidding and contract documents are to be interpreted as meaning those acceptable to the Town of Simsbury. The Town will issue any substantive changes or interpretations in writing as an addendum.

9. Tax Exemptions:

The bidder shall be aware that the Town of Simsbury is exempt from Federal Excise Taxes and Connecticut Sales and Use Taxes. Appropriate tax-exempt forms will be provided to the successful bidder(s) as part of the contract award process.

10. Insurance Requirements:

The firm must carry insurance under which the Town is named as an additional insured, as follows:

Such insurance must be by insurance companies licensed to write such insurance in Connecticut against the following risks with the following minimum amounts and minimum durations.

- A. Workman's Compensation, as required by State Statute & \$100,000 employers liability limit.
- B. Public Liability, Bodily Injury Liability and Property Damage Liability as follows:
 - Injury or death of one person: \$2,000,000
 - Injury to more than one person in a single accident: \$1,000,000

CULTURE, PARKS AND RECREATION IRRIGATION
REPLACEMENT AT MEMORIAL PARK HARDBALL

Bid Number: CP&R

Property damage in one accident:	\$1,000,000
Property damage in all accidents:	\$1,000,000
Excess/Umbrella Liability:	\$1,000,000

C. Automobile and Truck (Vehicular) Public Liability, Bodily Injury
Liability and Property Damage Liability as follows:

Injury or death of one person:	\$1,000,000
Injury to more than one person in a single accident:	\$1,000,000
Property damage in one accident:	\$1,000,000
Property damage in all accidents:	\$1,000,000

Insurance under B, and C above must provide for a 30 day notice to the Town of cancellation/or restrictive amendment.

Insurance under B and C above must be for the whole duration of the contract and for twelve (12) months after contract completion by the Town.

Subcontractors must carry A, B, and C in the same amounts as above for the duration of the project and until contract completion by the Town.

Certificates of insurance must be submitted to the Director of Parks and Recreation prior to the signing of the contract and within ten days of notification of award of contract. Should any insurance expire or be terminated during the period in which the same is required by this contract, the

Director of Parks and Recreation shall be notified and such expired or terminated insurance must be replaced with new insurance and a new certificate furnished to the Director of Parks and Recreation.

Failure to provide the required insurance and certificates may, at the option of the Town, be held to be a willful and substantial breach of this contract.

11. Substitution for Name Brands:

Not applicable

12. Awarding the Bid:

The Town reserves the right to accept any bid or any part of bids, to reject any, all, or any part of bids, and to waive formalities and informalities in the bidding process. The Town at its discretion will award the bid to the lowest responsible bidder. That bidder is the person or firm who is qualified and competent to do the work, whose past performance is satisfactory to the Town, and whose bid documents comply with the procedural requirements stated herein. The Town reserves the right to award this bid to more than one bidder, if determined to best suit the needs of the Town. Alternates will be awarded if deemed to be in the best interest of the Town. Alternates are independent and neither, one or both may be awarded.

13. Rejection and/or Cancellation of Bids:

The Town reserves the right to reject or cancel any and all bids, or any part of any or all bids, if such action is deemed to be in the best interest of the Town.

14. Delivery Arrangements:

Not applicable

15. Bid Bond:

Not applicable

16. Performance Bond:

Not applicable

17. W-9 Form

The successful bidder must provide the Town of Simsbury with a completed W-9 Form prior to commencing work.

18. Submittals:

The Bidder shall, as soon as practicable, but not exceed fifteen (15) calendar days, after notification of selection of the award of the bid, furnish to the Owner, in writing the following:

- A. Designation of the Work to be performed by the Contractor's own forces
- B. Proposed hours of work and number of employees needed
- C. Submittal items listed in the Specifications

19. Agreement Documents:

The Agreement Documents are defined as:

- The Standard Instructions to Bidders
- The Agreement as executed
- The General Specifications
- Any Addenda, if issued

20. Term of Contract:

The Town requires all Work to start on or after Monday, October 30, 2023 and be completed March 1, 2024.

END OF STANDARD INSTRUCTIONS TO BIDDERS

BID FORM

**MEMORIAL PARK
HARDBALL FIELD
IRRIGATION REPLACEMENT
52 PLANK HILL ROAD
SIMSBURY, CT**

Pursuant to and in compliance with the "Invitation to Bid" and Standard Instructions to Bidders relating thereto, the undersigned, having visited the sites and carefully examined all Bidding Documents and complete General Specifications together with all Addenda issued and received prior to the scheduled closing time for receipt of Bids, hereby offers and agrees as follows:

- To provide all labor, materials, equipment, hauling, disposal and anything else reasonably necessary to complete all work per the attached specifications.
- If awarded this Contract, we will execute a Contract with the Town of Simsbury

In submitting this BID, the BIDDER acknowledges that:

1. Each bid price includes all labor, materials, equipment, transportation, hauling, disposal, overhead, fees and insurances, profit, and all other costs to cover the finished work called for regarding the specified section of Town as stated in the Contract Documents. No additional payment of any kind in the form of a surcharge will be made for work accomplished under the bid prices, as bid.
2. No representation of warranty has been made by the OWNER that the estimated quantities used for comparison of BIDS will even approximate the actual quantities required to satisfactorily complete the WORK required under this CONTRACT.
3. Upon receipt of written notice of acceptance of this BID by the OWNER, the BIDDER shall execute the CONTRACT attached to these documents within ten (10) calendar days and other documents as required in these documents.
4. In regard to all conditions affecting the WORK to be done and the labor and materials to be furnished, this BID is based solely on the BIDDER'S investigations and findings and neither the OWNER nor its officers, employees or agents shall be held responsible for the accuracy of, or be bound by any information contained in these Contract Documents.

Submitted By: _____
Company Phone Email

Street City Zip

Authorized Signature: _____
Signature Printed Name

BID FORM
SCHEDULE OF PRICES
IRRIGATION REPLACEMENT
MEMORIAL PARK HAEDBALL
FIELD

ITEM NO.	ITEMS OF WORK	ESTIMATED QUANTITIES	UNIT	BID UNIT PRICE	EXTENDED AMOUNT
1	Complete irrigation system with controller	1			
1	Removal of all existing irrigation heads and zone valves	ALL EXSISTING			

MEMORIAL PARK

CONTRACTOR'S SIGNATURE:

ALTERNATE ITEM PRICES

ITEM NO.	ITEMS OF WORK	ESTIMATED QUANTITIES	UNIT	BID UNIT PRICE	EXTENDED AMOUNT
1	New Booster Pump	1			

CONTRACTOR'S SIGNATURE:

* The number given is the clause number in the Specifications which defines the payment for the ITEM

** The Bidder is requested to fill in computed "Amount": In cases of discrepancy between Unit Prices Bid written in words and the Unit Prices Bid written in figures, the Unit Prices Bid written in words will govern. In case of a discrepancy between the unit prices bid and amount, the Unit Prices will govern.

BID FORM
WORK HOURS, STAFFING
AND SCHEDULE
MEMORIAL PARK
HARDBALL FIELD
IRRIGATION REPLACEMENT
52 PLANK HILL ROAD
SIMSBURY, CT

PROPOSED HOURS OF WORK:

DAY	PROPOSED HOURS
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

NUMBER OF EMPLOYEES NEEDED:

TOTAL NUMBER OF WORKING DAYS TO COMPLETE PROJECT:

IF A SOLELY OWNED COMPANY:

Company Name _____
Address _____
Town _____
By _____
(Authorized Signature)
Title _____ Date _____

IF A CORPORATION OR LIMITED LIABILITY COMPANY:

A corporation or limited liability company organized under the laws of

_____, composed of officers as follows:

_____ President	_____ Secretary
_____ Vice President	_____ Treasurer

IF A PARTNERSHIP:

A partnership doing business under the firm name and style of

_____, composed of partners as follows:

_____ Name & Title (if any)	_____ Name & Title (if any)
_____ Name & Title (if any)	_____ Name & Title (if any)

This Bid must bear the written signature of the BIDDER. If the BIDDER is a partnership, the Bid must be signed by a partner. If the BIDDER is a corporation or limited liability company, the Bid must be signed by a duly authorized officer of such corporation or Limited Liability Company.

BIDDER'S QUALIFICATIONS STATEMENT

The BIDDER shall answer all of the following questions, as part of the Bid, so that the OWNER can judge the BIDDER's ability, experience and facilities for performing the proposed work.

1. Name of BIDDER: _____
2. Bidder's Tax Identification Number: _____
3. What year was company organized/formed? _____
4. How many years has the BIDDER been engaged in business under the present firm or trade name? _____
5. What is the general character or type of work you perform? _____

6. Has a claim ever been brought in court or to arbitration against the BIDDER for failure to complete any contracted work or default on a contract? _____

If yes, explain with whom and why: _____

7. For other similar projects you have under contract at the present time: Attach list with description of work; the name of the client/owner with telephone number; and the approximate value of the work to be performed.

NOTE: The BIDDER is required to have completed a minimum of five (5) similar projects (services to other similar sized municipalities) as a demonstration of competency and experience for the project proposed herein. Such projects are to be listed below.

8. Attach a list of all projects that your present organization has completed within the past ten years or is presently working on, including name of project, owner and name and telephone number of the owner's representative.

Indicate the number of pages attached: _____ pages

9. Attach a list of the names, addresses and the background/experience of all principal or key members of the BIDDERS organization, including its officers.

Indicate the number of pages attached: _____ pages

NOTE: If requested, the BIDDER agrees to furnish the OWNER with a detailed financial statement and other relevant information that may be required by the Town of Simsbury to properly evaluate the qualifications of the BIDDER.

PROPOSED SUBCONTRACTORS

BIDDER intends to utilize the following subcontractors on this project:

If none, write “None” here: _____

NAME AND ADDRESS OF SUBCONTRACTOR	DESCRIPTION OF WORK:
--------------------------------------	----------------------

- | | |
|----|-------|
| 1. | _____ |
| 2. | _____ |
| 3. | _____ |
| 4. | _____ |
| 5. | _____ |
| 6. | _____ |

NON-COLLUSION AFFIDAVIT OF BIDDER

State of _____, County of _____, being first
duly sworn, disposes and says that:

1. He is the owner, officer, representative or agent of: _____ the
BIDDER that has submitted the attached BID;
2. The attached BID is genuine; it is not a collusive or sham BID.
3. He is fully informed respecting the preparation, and contents of, and knowledgeable of all pertinent
circumstances respecting the attached BID.
4. Neither BIDDER nor any of its officers, partners, owners, agents, representatives, employees, or
parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed,
directly or indirectly, with any other bidder, firm or person to submit a collusive or sham BID in
connection with the AGREEMENT for which the attached BID has been submitted or to refrain
from bidding in connection with any contract, or has in any manner, directly or indirectly, sought
by agreement, collusion, communication or conference with any other bidder, firm or person to
fix the price or prices in the attached BID or of any other bidder, or to fix any overhead, profit or
cost element of the BID prices or the bid price of any other bidder, or to secure through collusion,
conspiracy, connivance or unlawful agreement any advantage against the Town of Simsbury or
any other person interested in the proposed AGREEMENT.
5. The price(s) quoted in the attached BID are fair and proper and are not tainted by any collusion,
conspiracy, connivance or unlawful agreement on the part of the BIDDER or any of its agents,
representatives, owners, employees, or parties in interest, including this affiant; and
6. That no elected or appointed official or other officer or employee of the Town of Simsbury, who
is directly or indirectly interested in this BID, or in the supplies, materials, equipment, work or
labor to which it relates, or in any of the profits thereof.

(Signed) _____

(Name of Bidder)

Subscribed and sworn to before me this
_____ day of _____, 2023

Title
My Commission expires _____, 20__

**STATEMENT OF BIDDERS COMPLIANCE WITH
EQUAL EMPLOYMENT OPPORTUNITY LAW AND
REGULATION INCLUDING EXECUTIVE ORDER NO. 3**

This statement must be completed by the Bidder and shall accompany his bid for this project.

IT IS HEREBY CERTIFIED THAT:

NAME OF BIDDER: _____

BUSINESS ADDRESS: _____

To the extent required by law, the Bidder has complied on past Contracts and will fully comply on this project with all applicable laws and regulation regarding equal employment opportunities for minorities and women, and;

Has_ has not_____previously performed work under the conditions of the Governor's Executive Order No. 3 of the State of Connecticut, or any preceding similar Executive Order with regards to Non-Discrimination.

Signature

Title

Subscribed and sworn to before me this
_____day of_____, 2023

Title

My Commission expires_____, 20__

IMPORTANT: THIS STATEMENT MUST BE SUBMITTED WITH BID

END OF SECTION

Bid Number: CP&R



Simsbury Memorial Park Field 7 (Irrigation Materials).pdf



Simsbury Memorial Park Field 7 (Controller).pdf



Simsbury Memorial Park Pump Spec.pdf

MEMORIAL PARK: FIELD 7
Project Specific Notes:

Quantity	Unit	Item #	Description	Notes / Comments
Sleeving				
0	EA	DATE	9/13/23	
0	EA	A	Quoted Prices Are Good For 30 Days From The Date Bid. Sales Tax Applicable At Time Of Order. Quoted Prices Are For The Entire List & May Be Subject To Change If Partial Qty'S Are Ordered.	

Point of Connection				
1	EA	NSI-99999984	7.5 HP PUMP (EXSITING) (7.5 HP PUMP (EXSITING))	
1	EA	FSI-T20-001	CST Flow Sensor Wired PVC Tee Mounted 2 in.	CREATIVE
2	EA	66-31150402	4 X 2 HDPE Dr11 Reducer Harco	
4	FT	2PVC200BE	PVC Pipe 2 in. x 20 ft. SDR-21 (CL 200) Bell End (Priced per ft.)	
2	EA	270672	3M DBR-Y6 Direct Bury Splice Kit DBR/Y-6 (Bulk) 600V	
1	EA	121-DURA	Dura Valve Box Overlapping ICV Green Body Rectangle 12 in. x 17 in. x 12 in.	
1	EA	SD-100	Tucor Sensor Decoder	
1	EA	ICV301	3 in. Globe/Angle Valve Plastic Hunter	HUNTER
1	EA	66-31150403	4 X 3 IPS Reducer, Butt Fusion Molded DR11	
2	EA	436-030	Sch 40 PVC Male Adapter 3 in. MIPT x Socket	
4	EA	270672	3M DBR-Y6 Direct Bury Splice Kit DBR/Y-6 (Bulk) 600V	
1	EA	121-DURA	Dura Valve Box Overlapping ICV Green Body Rectangle 12 in. x 17 in. x 12 in.	
1	EA	RKLD-050	Tucor RKD 2-Wire Decoder for One Addresses and One Valve	

Mainline Piping				
160	FT	150PVC200BE	PVC Pipe 1-1/2 in. x 20 ft. SDR-21 (CL 200) Bell End (Priced per ft.)	CLASS200
1060	FT	3PVC200GJ	PVC Pipe 3 in. x 20 ft. SDR-21 (CL 200) Gasket Joint (Priced per ft.)	CLASS200
400	LF	NSI-99999983	4" HDPE PE4710 DR 11 MAINLINE PIPE (4" HDPE PE4710 DR 11 MAINLINE PIPE)	

Mainline Fittings				
2	EA	66-31100404	Harco Molded Butt Fusion Tee IPS 4 in.	HARCO
1	EA	66-311904	Harco Molded Elbow 90 Degree 4 in. Butt Fusion	
2	EA	66-31150403	4 X 3 IPS Reducer, Butt Fusion Molded DR11	
2	EA	8030303	Harco Ductile Iron IPS Tee 3 in.	
1	EA	80320	Harco Ductile Iron 90 Degree Bend 3 in.	
5	EA	80322	Harco Ductile Iron 45 Degree Bend 3 in.	
1	EA	417-015	Sch 40 PVC 45 Degree Elbow 1-1/2 in. Socket	
1	EA	NSI-99999982	8036703 3 x 1.5" tapt cap (8036703 3 x 1.5" tapt cap)	

1	EA	436-015	Sch 40 PVC Male Adapter 1-1/2 in. MIPT x Socket	
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Remote Control Valves

18	EA	ICV151G	Hunter Globe Valve ICV Glass Filled Nylon 1-1/2 in. w/ Flow Control FIPT x FIPT	HUNTER, PER DETAIL IR-3/2
36	EA	1506PVCNTOE	Sch 80 PVC Nipple 1-1/2 in. x 6 in. MIPT Threaded One End	
18	EA	806-015	Sch 80 PVC 90 Degree Elbow 1-1/2 in. Socket	
36	EA	1503PVCN	Sch 80 PVC Nipple 1-1/2 in. x 3 in. MIPT Threaded Both Ends	
18	EA	436-015	Sch 40 PVC Male Adapter 1-1/2 in. MIPT x Socket	
18	EA	770T07N-NLA	Matco Economy Ball Valve PVC White 1 1/2 in. Threaded	
2	EA	ICV201G	Hunter Globe Valve ICV Glass Filled Nylon 2 in. w/ Flow Control FIPT x FIPT	HUNTER, PER DETAIL IR-3/2
2	EA	770T08N-NLA	Matco Economy Ball Valve PVC White 2 in. Threaded	
4	EA	26PVCNTOE	Sch 80 PVC Nipple 2 in. x 6 in. MIPT Threaded One End	
2	EA	806-020	Sch 80 PVC 90 Degree Elbow 2 in. Socket	
4	EA	23PVCN	Sch 80 PVC Nipple 2 in. x 3 in. MIPT Threaded Both Ends	
2	EA	436-020	Sch 40 PVC Male Adapter 2 in. MIPT x Socket	
20	EA	NSI-9999981	*HEADER*-VALVE ITEMS (*HEADER*-VALVE ITEMS)	
40	EA	270672	3M DBR-Y6 Direct Bury Splice Kit DBR/Y-6 (Bulk) 600V	
20	EA	121-DURA	Dura Valve Box Overlapping ICV Green Body Rectangle 12 in. x 17 in. x 12 in.	
20	EA	RKLD-050	Tucor RKD 2-Wire Decoder for One Addresses and One Valve	
18	EA	803503P	Harco Ductile Iron Tapped Service Tee 3 in. x 3 in. x 1-1/2 in.	
2	EA	803504	Harco Ductile Iron IPS Tapped Service Tee 3 in. x 2 in.	

Mainline Components

3	EA	HQ44RC	1 in. Brass Single Lug Quick Coupler W/Rubber Cover - Hunter	HUNTER
3	EA	1-A1-1-11-12	PVC QCSU Swing Joint Assembly 1 in. x 12 in. MIPT x Brass MIPT Outlet	
3	EA	HK44	Hunter HK-44 Quick Coupling Key 1 in. Valve 1 in. Inlet	
3	EA	HS-10	Hose Swivel 1 in. X 3/4 in. Hose Outlet	
3	EA	101-DURA	Dura Valve Box Round 10 in. Green Box/Green Lid Overlapping ICV	
2	EA	NHAC21F	Nibco P619RW Ring Tite Resilient Wedge Gate Valve Cast Iron 3 in. Gasket	NIBCO
2	EA	101-DURA	Dura Valve Box Round 10 in. Green Box/Green Lid Overlapping ICV	
3	EA	759T07	Full Port Ball Valve Brass 1-1/2 in. FIPT	Product Not Specified, Installation Not Specified
6	EA	436-015	Sch 40 PVC Male Adapter 1-1/2 in. MIPT x Socket	
3	EA	101-DURA	Dura Valve Box Round 10 in. Green Box/Green Lid Overlapping ICV	
3	EA	401-015	Sch 40 PVC Tee 1-1/2 in. Socket	
1	EA	407-211	Sch 40 PVC 90 Degree Reducing Elbow 1-1/2 in. x 1 in. Socket x FIPT	
2	EA	NSI-9999980	8036702 3 x 1" tapt cap (8036702 3 x 1" tapt cap)	

Lateral Line Piping				
1560	FT	125PVC200BE	PVC Pipe 1 1/4 in. x 20 ft. SDR-21 (CL 200) Bell End (Priced per ft.)	CLASS200
1340	FT	150PVC200BE	PVC Pipe 1-1/2 in. x 20 ft. SDR-21 (CL 200) Bell End (Priced per ft.)	CLASS200
1140	FT	2PVC200BE	PVC Pipe 2 in. x 20 ft. SDR-21 (CL 200) Bell End (Priced per ft.)	CLASS200

Lateral Line Fittings				
1342	EA	ELLF	Estimated Lateral Line Fitting	

Rotor Irrigation				
64	EA	I2504	Hunter I-25 Adjustable Rotor 4 in. Riser with Check Valve	HUNTER
64	EA	1-A1-3-1-12	PVC STD Unibody Swing Joint Assembly 1 in. x 12 in. MIPT x Plastic MIPT Outlet	
6	EA	I2504SSHS	Hunter I-25 Adjustable Stainless Steel High Speed Rotor 4 in. Riser with Check Valve	HUNTER
6	EA	1-A1-3-1-12	PVC STD Unibody Swing Joint Assembly 1 in. x 12 in. MIPT x Plastic MIPT Outlet	

Controller/Electrical				
1	EA	RKD+	Tucor 100 Valve 2-Wire Center Dial Decoder Controller Plastic 12 in. x 12 in. x 6 in. Cabinet	TUCOR
1	EA	WRCLIK	Hunter Rain/Freeze Clik Sensor Wireless	HUNTER
2	EA	SP-100	Tucor 2-Wire Line Surge Protector	
10	FT	61P	Bare Copper Ground Wire 6 Gauge 500 ft. (Priced per ft.)	
2	EA	101-DURA	Dura Valve Box Round 10 in. Green Box/Green Lid Overlapping ICV	
2	EA	1820053P	Cadweld One Shot GT1161L	
2	EA	94035117	Erico Grounding Rod 5/8 in. x 8 ft.	
1400	FT	142TUCORED1000	Tucor Decoder Wire Red 14 Gauge Jacketed 2 Conductor 1,000 ft. (Priced per ft.)	14 GAUGE
10	FT	88215683	Conduit Sch-40 PVC 2 in. Bell End Connection Pipe (Priced per ft.)	
1	EA	88215671	Sch 40 PVC Conduit Sweep 90 Degree Elbow 2 in.	
10	FT	88215681	Conduit Sch-40 PVC 1 in. Bell End Connection (Priced per ft.)	
1	EA	88215669	Sch 40 PVC Conduit Sweep 90 Degree Elbow 1 in.	
1	EA	WIN-200-NLA	Tucor Communication Board for GPRS Cellular	
1	EA	94035117	Erico Grounding Rod 5/8 in. x 8 ft.	
1	EA	1820043P	Cadweld One Shot Gr1161L	
25	FT	61P	Bare Copper Ground Wire 6 Gauge 500 ft. (Priced per ft.)	
1	EA	182199IC	Copper Grounding Plate 4 in. x 96 in.	
1	EA	1820058	Paige PowerSet Earth Contact Backfill Ground Enhancement Materials 50 lb.	

Glue/Tape/Accessories				
839	EA	BIDMISC	Miscellaneous Bid Product	

Simsbury Memorial Park Pump Spec's

1. 100GPM – 130GPM
2. Berkeley B – 11/2" TPMS, 7-1/2Hp
3. 2" Suction – 11/2" Discharge
4. Flomatic 2" Cycle Guard Pump Control Valve
5. 230 VAC / 1 Phase
6. Retrofit Manifold Fittings
7. Fusible connection fittings (Pump to Field)
8. All electrical will be performed by a license electrician..