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**Request for Bids**

**Irrigation Systems**

**Caruso and Shepard Schools**

**Deerfield Public Schools District #109**

**Deerfield, IL**

**January 15, 2025**

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January 2025

**Deerfield Public School District 109**

**517 Deerfield Road • Deerfield, Illinois 60015**

**Phone (847) 945-1844 • Fax (847) 282-3486**

**GENERAL SPECIFICATIONS AND CONDITIONS FOR ALL BIDS**

The specifications set forth herein are applicable to bids for services, supplies, material and equipment, and shall be in addition to and not in lieu of special conditions.

**1. Bid Procedures:**

a. **NOTICE OF BID**

Deerfield Public Schools District 109 invites qualified companies to provide bids to install irrigation systems at Caruso and Shepard Middle Schools. The specifications are on the District's website at [www.dps109.org](http://www.dps109.org), or can be obtained from Tim Ryan via email at [tryan@dps109.org](mailto:tryan@dps109.org). An optional pre-bid meeting will be held at 11:00 A.M. on Tuesday, January 21, 2025. Bid responses must be submitted by 2:00 P.M. on Friday, January 31, 2025, to Tim Ryan, Director of Buildings and Grounds, Deerfield Public Schools District 109, 1803 Montgomery Road, Deerfield, IL 60015.

b. **PRE-BID MEETING / FACILITY TOUR**

It shall be the responsibility of the bidder to attend an optional pre-bid meeting and location tour held on Tuesday, January 21, 2025 at 11:00 a.m. This meeting will begin in the Building & Grounds Facility at 1803 Montgomery Road, Deerfield, Illinois 60015. The primary purpose will be to answer any questions regarding the bid specifications and for location tours.

c. **BID SUBMISSION DATE**

The sealed bids must be delivered to the office at the Building & Grounds Facility at 1803 Montgomery Road, Deerfield, Illinois 60015 any time prior to, but not later than 2:00 p.m. local time, on Friday, January 31, 2025 at 2:00 p.m. No bid received after said designated time will be considered. The bidder assumes the risk of any delay in handling or delivery by mail or third-party carrier.

Bids must be submitted in a sealed envelope, marked in the lower left-hand corner "BID: Irrigation System" and received by the Building & Grounds Facility located in the 1803 Montgomery Road, Deerfield, Illinois 60015 to the attention of Tim Ryan, on or before Friday, January 31, 2025 at 2:00 p.m.

The bidder assumes all responsibility for bids that are mailed or transmitted but which are not received by the District for any reason whatsoever.

d. **DOCUMENTS**

Bid documents to be transmitted in all instances shall be:

- Certificate Of Compliance With Illinois Human Rights Act
- Bidder Eligibility Certification
- Certificate Of Compliance With Illinois Contractors Drug-Free Workplace Act
- Bid-Rigging Certification
- Bid Forms
- Certificate(s) of Insurance
- References

The owner or duly authorized officer must sign the cover letter and each bid form. Stamped, typed or facsimile signatures will disqualify the bid.

e. **NO BID**

If you are unable to provide a bid, please so state on the Bid Form located in the last three pages of this bid document and return it so that the Board of Education may know you had an opportunity to bid.

f. By submitting a bid, the bidder agrees that his bid shall remain firm for a minimum period of 60 days after the date for the opening of a bid, and will not be withdrawn without consent of the School District. Bids will be awarded to the lowest, responsible, and responsive bidder complying with the specifications. The Board of Education reserves all rights to determine the selection as, in its judgment, meets the needs or purposes intended. Such decisions shall be final and not subject to recourse or challenge by any unsuccessful bidder. In the event a successful bidder is disqualified or unable to perform within 60 days after the opening of bids, the School District reserves the right, within said 60-day period, to award the bid to the next lowest responsible bidder who meets all the qualifications set forth in the invitation for bids.

g. All prices shall be quoted F.O.B., Deerfield, Illinois. F.O.B. Deerfield, Illinois, is defined as meaning the price submitted on the bid sheet is the total

price to this School District, including all freight and delivery charges. Under no circumstances may prepaid or delivery charges be added to the invoice. In submitting bids, bidders are advised that the Deerfield Public School District 109 is not subject to Federal Excise Tax or Illinois Retailers Occupational Tax.

h. All exceptions or deviations from any equipment specified herein shall be identified and the price differential between the specified product and the product offered shall be stated in the bid, together with specification data of the substituted product. The Board of Education reserves the right to make a final decision, without recourse, as to whether a substituted product is satisfactory for purposes or accepting or rejecting a bid.

i. The Board of Education reserves the right to waive any irregularities in the bid process or bids, and to reject any or all bids and to re-advertise as it deems fit in its discretion.

## Deerfield Public School District 109

### 2. Insurance, Bonds, & Indemnification Requirements:

- a. The successful bidder shall procure and maintain at its own cost and expense
- (1) comprehensive general liability on an occurrence basis to insure all loss (including, but not limited to, attorney's fees and costs), claims, demands, or actions for damage to property, or bodily and personal injury to or death of any one or more persons in the minimum amount of \$2,000,000 per occurrence and in the aggregate,
  - (2) umbrella or excessive liability coverage in a minimum amount of \$1,000,000 per occurrence and \$2,000,000 in the aggregate,
  - (3) worker's compensation coverage in the minimum statutory amounts, and
  - (4) comprehensive auto liability insurance, including hired and non-owned vehicles, in the amount of \$1,000,000 per occurrence and in the aggregate for bodily injury and property damage. The successful bidder shall name the Indemnitees (defined below) as additional insureds on all insurance policies required herein, with the exception of the worker's compensation insurance. The insurance required of the successful bidder shall be primary and noncontributory.
- b. The successful bidder shall provide a certificate of insurance on a form acceptable to the Board evidencing the required insurance. The certificates of insurance and all insurance policies required to be obtained by the successful bidder shall provide that coverages afforded under the policies will not be canceled, reduced or allowed to expire without at least thirty days prior written notice given to the Board. If any of the insurance coverages are required to remain in force after final payment, all additional certificates evidencing continuation of such coverage shall be submitted with the final application for payment.

All insurance required of the successful bidder shall state that the coverage afforded to the additional insureds shall be primary insurance of the additional insureds with respect to claims arising out of operations performed by or on their behalf. If the additional insureds have other insurance which is applicable to the loss, it shall be on an excess or contingent basis.

- c. The successful bidder will name the Board of Education of Deerfield Public Schools District 109, its board members, officers, employees, and agents as additional insureds on a primary, non-contributory basis on policies of comprehensive general liability, umbrella, excess, and comprehensive automobile liability insurance. The successful bidder will provide copies of certificates evidencing such additional insured status.
- d. All policies of insurance will be obtained from insurance companies licensed to do business in the State of Illinois with an AM Best Rating of "A" or better.
- e. By submitting a bid, the bidder agrees, if selected as the successful bidder, to indemnify, defend, and hold harmless the Board of Education of Deerfield Public Schools District 109, its board members, officers, employees, and agents from and against all claims, suits, complaints, judgments, liabilities and costs and expenses (including reasonable attorneys' fees and expenses and court costs) for injuries, illness, or death to persons, or damage or destruction of property arising from the negligent or willful acts or omissions of the bidder, its employees, contractors, or agents. The bidder waives any limitation of liability defense based on workers' compensation or benefit laws. The bidder will require a similar indemnification and waiver provision in favor of the School District to be included in all of its subcontracts.

## Deerfield Public School District 109

### 3. Statutory Requirements:

- a. Bidder (and all sub-contractors and material suppliers where applicable) agree that they shall keep and furnish on demand, the necessary records to substantiate compliance with the "Preference to Citizens (Illinois) on Public Works Projects Act & Prevailing Wage Act (Chapter 48, Sections 269 thru 275 and Section 39s-1 et seq) all of which said provisions are incorporated by reference and made a part of this bid.
- b. Bidder further agrees that he shall comply with all Illinois Statues pertaining to the selection of labor, including those relating to equal employment opportunity, discrimination and intimidation of employees, which said provisions are also incorporated by reference and made a part of this bid.
- c. Bidder also agrees that he will be bound by all other Federal, State, County and local laws and ordinances that may be applicable as well as rules and regulations of any agency or regulatory body having jurisdiction.
- d. The work called for by this Invitation to Bid and Bid Specifications constitutes a public work pursuant to the Illinois Prevailing Wage Act (820 ILCS 130/0.01, et seq). As such, the Bidder agrees that it will comply with the Prevailing Wage Act in all respects, including the payment of prevailing wages as required by the Act and the filing and maintaining of all records as applicable. The Bidder agrees to indemnify, defend, and hold harmless the Board fo Education of Deerfield, its board members, officers, employees, and agents from and against any and all liabilities and costs (including reasonable attorneys' fees) arising from claims brought pursuant to the Prevailing Wage Act.

### 4. Products and Merchandise:

1. In addition to any and all other rights, and not in limitation of express or implied warranties, the Board of Education reserves the right:
  - a. To return any merchandise that does not comply with the specifications.
  - b. To have any product analyzed at a laboratory to ascertain compliance with specifications. Expense of testing shall be by the Board of Education unless such tests prove non-compliance with specifications - then the expense to be in the hand of the bidder.

5. Miscellaneous:

- a) Bidder represents that unless otherwise stated no person in any office or employment of the Owner is directly or indirectly interested in this proposal or in any contract which may be made under it, or in expected profits to arise there from, and this proposal is made in good faith without collusion or connection with any other person, firm or corporation bidding for the same work.
- b) Bidder declares that he has carefully examined the proposal, the plans and specifications and the site of the work, and that he has familiarized himself with all conditions affecting the contract and requirements of the construction, and understands that in making this proposal he waives all right to plead any misunderstanding regarding the same.
- c) Bidder understands and agrees that if this proposal is accepted, he is to furnish and provide all necessary machinery, tools, apparatus, and other means of construction, and to do all of the work and to furnish all of the materials specified in the contract.
- d) Bidder understands that this bid is subject to any and all addenda, which the District may issue, and mail to bidder within four (4) days prior to the date of opening bids, whether received by the bidder or not. Any bids received by the District prior to date of receipt by bidder of an addenda may be modified, changed or withdrawn, provided the same is done prior to the time of the opening of bids.
- e) No recap of the bid summary will be mailed. Any interested party may examine the bid summary at the District Office located at 517 Deerfield Rd., Deerfield, IL 60015.
- f) The above are general specifications and apply to all bids; a separate specification sheet with instructions will be supplied each bid.
- g) The Board of Education reserves the right to waive any irregularities in any bid provided the same does not constitute a significant violation of the bidding procedure.
- h) Criminal Background Checks: The bidder represents and warrants that none of its employees or employees of any of its subcontractors performing work under the Contract are prohibited by law from being present on school and/or public property. Each employee of the Contractor or subcontractor shall submit to a fingerprint-based criminal history records check conducted by the District prior to working on school grounds. The Bidder shall ensure, at its own expense, that required fingerprint-based criminal history records checks are conducted on all their employees assigned to work on the District's property. The School District will fingerprint all new staff assigned to work in the District as disclosed by Bidder, per the Illinois *School Code*, 105 ILCS 5/10-21.9. All fingerprinting charges will be taken as a credit on the next invoice received.



Such criminal background checks will be performed at Contractor's or subcontractor's expense and at no cost to the Board. In the event any employee of the Contractor or subcontractor has been convicted of any prohibited offense set forth in 105 ILCS § 5/10-21.9 or 105 ILCS § 5/21B-80, said employee shall be promptly removed from the site and replaced by another individual. The Board reserves the right to direct the Contractor, at any time during the term of the Contract and any extensions thereof, to immediately obtain additional criminal background investigations of any of the Contractor's or subcontractor's employees who are or will be performing work in or around a building when students are or will be present to ascertain whether such employees have been convicted of any of the offenses enumerated in 105 ILCS § 5/10-21.9 or 105 ILCS § 5/21B-80. In addition, Contractor shall provide a check of the Statewide Murderer and Violent Offender Against Youth Database, as authorized by the Murderer and Violent Offender Against Youth Community Notification Law, and the Statewide Sex Offender Database, for each employee. The checks of the Murderer and Violent Offender Against Youth Database and the Statewide Sex Offender Database must be conducted by the Contractor annually for each employee who will provide services to the School District.

- i) For each of the Bidder's employee, the Bidder shall perform periodic checks of the Statewide Sex Offender Database, as authorized by the Sex Offender Community Notification Law (730 ILCS § 152/101 et seq.), and the Statewide Child Murderer and Violent Offender Against Youth Database, as authorized by the Child Murderer and Violent Offender Against Youth Community Notification Law (730 ILCS § 154/75–105). All results must be provided to the District.

**Deerfield Public School District 109**

**IRRIGATION SYSTEM SPECIFICATIONS**

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## Deerfield Public School District 109

### PART 1: GENERAL

#### 1 Scope of Service

The work covered by this section of the specifications consists of furnishing all labor, materials, equipment, transportation and services necessary for and incidental to the execution of Irrigation System installation and commissioning as specified herein.

Any items not covered in the Irrigation System Specifications will be subject to the written approval of the Board of Education or the Board's designated representative.

The Contractor shall comply with all local, county, state, and federal laws, rules, codes, and regulations that may affect this work.

#### 2 Visiting the Site

The Contractor shall visit the sites of the proposed work before bidding, to thoroughly familiarize himself with all existing conditions under which work is to be completed. Failure to take this precaution will not relieve the Contractor from any obligations to comply fully with the terms of the contract. No allowances will be made for failure of the Contractor to correctly estimate the nature and quantities of materials or services provided under this contract.

#### 3 Locations

The Contractor will install irrigations systems and provide maintenance of such systems at the following locations in conformance with these specifications:

1. Caruso Middle School  
1801 Montgomery Rd  
Deerfield, IL 60015
2. Shepard Middle School  
440 Grove Ave  
Deerfield, IL 60015

Specific boundaries are detailed in the reference maps listed in Part 7.

4 Bid

Bidding will be per site. Bidders are invited to provide quotations base bid and alternates at each site. The Board of Education reserves the right to award the contracts for the base bid only and/or consider the alternate bids upon quotations provided by bidders.

5 Contract Qualifications/Responsibility

The district defines a responsible bidder as one who has a minimum of five years of experience designing and building irrigation systems for schools or educational institutions. The bidder must demonstrate that it possesses experienced supervisory personnel, and the staff and equipment large enough to perform the required service for the district with a minimum of disruption during a school day. In addition, the district shall consider the bidder's financial capability, safety records, experience, performance history and three references from similar sized facilities, preferably school district.

## **Part 2: DESCRIPTION OF WORK**

### 2.1 DESCRIPTION OF WORK

- A. Furnish all labor, materials, supplies, equipment, tools, and transportation, and perform all operations in connection with and reasonably incidental to the complete installation of a complete irrigation system, and guarantee/warranty, the installation details, and as specified herein. Removal and or restoration of existing improvements, excavation and back-fill, and all other work in accordance with plans and specifications are required. Contractor to acquire all registrations, inspections and permits to complete the irrigation system.

Some of the components in this design are unique, contractor to familiarize themselves with the installation of all components with the manufacturer's installation instructions. Contact the local product representative so a clear understanding of the installation is known prior to bidding.

- B. The irrigation system shall include a controlled valve distribution system.

CONTRACTOR shall furnish and install equipment as common in the industry, associated piping and incidentals as shown and specified.

- C. Contractor to acquire all registrations, inspections and permits to complete the irrigation system.

- D. Items of work specifically included, but not limited to are:

1. Procurement of all applicable licenses, permits, and fees.
2. Coordination and location of all utilities.
3. Connection of electrical power supply to the irrigation control system.
4. Sleeving for irrigation pipe and wire.
5. As-Built Drawings

### QUALITY ASSURANCE

- A. The "Contractor" shall maintain continuously a competent superintendent, satisfactory to the Owner, with authority to act for him in

all matters pertaining to the work. The “Contractor” shall coordinate his work with the other trades.

- B. The “Contractor” shall confine his operations to the area to be improved and to the areas allotted him by the Owner’s representative for material and equipment storage.
- C. The “Contractor” shall have a minimum of 5 years’ experience installing irrigation systems of comparable size and complexity. The contractor shall also have suitable financial status to meet obligations for this project.
- D. The contractor shall be licensed with the State of Illinois as a Plumbing Contractor.
- E. The contractor shall be a certified irrigation contractor (CIC) certified by the State of Illinois.

## 2.2 SUBMITTALS

- A. Materials List: At a minimum include the following, valves, sprinklers, controller, wire, wire connectors, pipe, fittings, valve boxes, swing joints, electric valves, wire splices, sprinklers, nozzles, Controller grounding components and quick couplers to be used on the project prior to purchasing materials. Quantities of material need not be included.
- B. Manufacturer’s Data: Submit manufacturer’s catalog cuts, specifications, and operating instructions for the equipment mentioned above and equipment shown on the materials list.

## 2.3 RULES AND REGULATIONS

- A. Work and materials shall be in accordance with the latest edition of the National Electric Code, the Uniform Plumbing Code as published by the Western Plumbing Officials Association, and applicable laws and regulations of the federal, state and local governing authorities.
- B. When the contract documents call for materials or construction of a better quality or larger size than required by the above-mentioned rules and regulations, provide the quality and size required by the contract documents.

## 2.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver irrigation system components in manufacturer's original undamaged and unopened containers with labels intact and legible.
- B. Deliver plastic piping in bundles, packaged to provide adequate protection of pipe ends either threaded or plain.
- C. Store and handle materials to prevent damage and deterioration.
- D. Provide secure, locked storage for valves, sprinkler heads and similar components that cannot be immediately replaced, to prevent installation delays.

## 2.5 CODES AND STANDARDS

- A. The entire installation shall fully comply with local and state laws and ordinances and with all established codes applicable thereto. Contractor to provide final documents with all licenses and certifications needed for the work in this location.
- B. Any permits for the installation or construction of the work included under this contract which are required by any of the legally constituted authorities having jurisdiction, shall be obtained and paid for by the "Contractor", each at the proper time. He shall also arrange for and pay all costs concerning any inspections and examinations required by these authorities.
- C. In all cases where inspection of the sprinkler system work is required and/or where portions of the work are specified to be performed under the direction and/inspection of the Owner's authorized representative, the "Contractor" shall notify the Owner's authorized representative at least 48 hours in advance of the time and such inspection and/or direction is required.
- D. Any necessary re-excavation or alterations to the system needed because of failure of the "Contractor" to have the required inspections, in the opinion of the Landscape Architect, shall be performed at the "Contractor's" own expense.

## 2.6 GUARANTEE/WARRANTY AND REPLACEMENT

- A. It shall be the “Contractor’s” responsibility to ensure and guarantee satisfactory operation of the entire system and the workmanship and restoration of the area. The entire system shall be guaranteed to be complete and perfect in every detail for a period of ONE (1) year from the date of completion and he hereby agrees to repair or replace any such defects occurring within that year, free of expense to the Owner.
- B. Minor maintenance and adjustment shall be by the Owner.
- C. For a period of ONE year from commencement of the final acceptance, fill and repair depressions or settling more than one inch (1”). Restore landscape or structural features damaged by the settlement of irrigation trenches or excavation. Repair damage to the premises caused by a defective item.
- G. Guarantee/warranty applies to originally installed materials, equipment, and replacements made during the guarantee/warranty period. Equipment salvaged and re-used shall not be warranted unless the original warranty is still in effect. The workmanship shall be warranted.
- H. To insure the prompt warrantee of all products, the irrigation contractor must purchase the materials required for the installation thru the local authorized distributor representing the individual product lines.
- I. The Contractor will warrant that all materials and equipment are new and operate/function as intended.

## 2.7 START-UP AND SEASONAL MAINTENANCE

- A. Coordinate the start-up with the Owner’s landscape maintenance personnel.
- B. “Contractor” shall provide seasonal maintenance of the system during the warranty/guarantee period as part of this contract and will provide written instructions to the Owner for future service and maintenance.
- C. Return to the site during the subsequent spring season and demonstrate to the Owner the proper procedures for the system start-up, operation and proper maintenance. Repair any damage caused within the warranty period, adjust pressures, and adjust nozzles at no additional cost to the owner.
- D. After completion, testing and acceptance of the system, the “Contractor” will instruct the



Owner's personnel in the operation and maintenance of the system.

### **PART 3 – MATERIALS**

#### **3.1 GENERAL**

Use materials that are new and without flaws or defects of any type, and which are the best of their class and kind. All material overages at the completion of the installation are the property of the "Contractor" and are to be removed from the site.

- A. Each major component of equipment shall have manufacturer's name, address, catalog and serial number permanently attached in a conspicuous place.
- B. The same brand or manufacturer shall be used for each specific application of valves, fittings, controls, and other equipment.
- C. All materials shall be new and of the quality specified.
- D. All equipment shall be listed, approved or rated by a nationally recognized testing and rating bureau of recognized manufacturer's association responsible for setting industry standards. All electrical equipment and apparatus shall be U.L. listed.
  - 1. Acceptable irrigation manufacturers – Hunter Industries or Rain Bird.

#### **3.2 SLEEVING**

- A. Install separate sleeve beneath paved areas to route each run of irrigation pipe or wiring bundle as indicated.
  - 1. Sleeving material beneath pedestrian pavements shall be SDR21 PVC Class 200 pipe with solvent welded joints.
  - 2. Sleeving beneath drives and streets shall be SDR21 PVC Class 200 pipe with solvent welded joints.
  - 3. Sleeving diameter: equal to twice that of the pipe.
  - 4. All piping in sleeves are to be glued or fused, no gasketed pipe will be allowed in the sleeve.

5. Contractor to coordinate sleeving with other trades for the landscaping, and any penetrations needed.
6. Minimum sleeve depth to be 24”.

### 3.3 PIPE AND FITTINGS

#### A. Mainline Pipe and Fittings: PVC

1. Use rigid, unplasticized polyvinyl chloride (PVC) 1120, 1220 National Sanitation Foundation (NSF) approved pipe, extruded from material meeting the requirements of Cell Classification 12454-A or 12454-B, ASTM Standard D1784, with an integral belled end.
2. Use Class 200, SDR-21, rated at 200 PSI, conforming to the dimensions and tolerances established by ASTM Standard D2241. Use PVC pipe rated at higher pressures than Class 200 in the case of small nominal diameters that are not manufactured in Class 200.
3. Size slip fitting socket taper to permit a dry unsoftened pipe end to be inserted no more than halfway into the socket. Saddle and cross fittings are not permitted. Mainline pipe going through sleeves shall be solvent weld. No gasketed pipe is allowed in sleeves
4. Use solvent weld pipe for mainline pipe with a nominal diameter 1.5”, 2”, 2.5” and 3” inches and less or where a pipe connection occurs in a sleeve. Use Schedule 40, Type 1, PVC solvent weld fittings conforming to ASTM Standard D2466 and D1784. Use primer approved by the pipe manufacturer. Solvent cement to conform to ASTM Standard D2564.
5. Provide pipe homogeneous throughout and free from visible cracks, holes, foreign materials, blisters, wrinkles and dents.
6. Provide pipe continuously and permanently marked with manufacturer’s name and trademark, size schedule and type of pipe working pressure at 73 degrees F. and (NSF) approval.
7. Pipe sizes referenced in the construction documents are minimum sizes, and may be increased at the option of the “Contractor” at no cost to the Owner.

8. All pipes damaged or rejected because of defects shall be removed from the site at the time of said rejection
- B. Lateral Pipe and Fittings
1. All sprinkler lateral pipe downstream from the zone valve, sized 2" and smaller shall be flexible HD80 non-toxic polyethylene (PE) pipe. Use SDR-11.5, PE23, rated at PSI that National Foundation (NSF) approved, conforming to ASTM Standard D2239. Use Type 1, PVC insert fitting conforming to ASTM Standard D2609 designed for use with flexible polyethylene (PE) pipe. Use stainless steel worm gear clamps (including stainless steel screw) to join pipe and fittings.
  2. Tapping saddles may also be used from the lateral pipe to the head on 1" and 1.5" sizes. Dawn or Blazing Saddles allowed.
  3. Lateral piping on spray heads and small gear drives shall be PE pipe.
- C. Thrust Blocks:
1. Use thrust blocks for fitting on pipe utilizing a rubber gasket pipe.
  2. Use 3,000 –PSI concrete.
  3. Use 2-mil plastic to encapsulate the fitting or valve.
  4. Follow pipe manufacturer's requirements for thrust blocking for pipe 3" and larger.

### 3.4 CONTROL SYSTEM COMPONENTS

- A. Controller – Hunter ACC2 or equivalent, compatible with Owner's building automation system
1. The controller shall be mounted as directed by the OWNER.
  2. Controller shall operate 14 gauge jacket 2 wire.
  3. Controller is to be installed and grounded per manufacturer recommendations.
  4. Power to the controllers will be provided by the Owner. The contractor will be responsible for making the connection from the power drop to the controller. The controller will be mounted as directed by the Owner.

5. Product manufacturer and local distributor are to provide base training for the operation of the controllers at no cost to the owner.
  6. Controller is to be installed and grounded per manufacturer recommendations.
- B. The contractor is to provide training of the system to the owner.
- C. Contractor/ Distributor to setup the base programs for turf and assignments, zone and sensor descriptions, emails/notification personnel for alarm messages.
- D. Control Wire:
1. 14 gauge jacket 2 Paige wire or approved manufacturer equal.
  2. Color: Wire color shall be continuous over its entire length.
  3. Splices: Use 3M DBR/Y-6 wire connector with waterproof sealant or approved manufacturer wire nuts. Wire connector to be of plastic construction.
  4. Wire markers: pre-numbered or labeled with indelible non-fading ink, made of permanent, non-fading material.
  5. All wiring to be installed following existing local and state codes.
  6. Wire to be continuous in runs, splices are allowed in valve boxes only.
- E. Power Wire:
1. Electric wire from the power source to control unit shall be solid or stranded copper. Type UF single-conductor cable, UL approved for direct underground burial. Power wires shall be black, white and green in color.
  2. Splices: Use approved connectors.
  3. Conduit: PVC
  4. Follow all local and state codes.
- F. Electric Control Valves
1. All valves shall be of globe configuration with a female pipe thread inlet and outlet connections. Diaphragm assembly shall be sonically welded to form a solid-piece component. The diaphragm shall be of rubber

construction to retain flexibility and provide maximum sealing throughout its area.

2. Electric valves shall be Hunter PGV series electric valve. The valve shall have a manual flow control and pressure regulation with a hand-operated, rising-type flow control stem with control wheel/handle and an internal manual bleed assembly. Size per zone requirements.
3. All parts shall be serviceable without removing valve from line. Valve may be installed at any angle without affecting valve operation.
4. 22" solenoid lead wires shall be attached to a 24 VAC solenoid with waterproof molded coil capable of being removed by turning coil. Valve shall be held normally closed by internal water pressure with manual bleed screw.
5. Valve numbering shall be located so as to be conspicuous and legible. The controller and valve numbering can be engraved in black on a yellow plastic tag, by Christy's Enterprise or equal. The tag size shall be standard size of 2.25" x 2.66".

G. Valve Boxes

1. Valve boxes shall be manufactured by RainBird VB series or approved equal and shall be rectangular, 12" /w 6" extension or 7" and 10" round and have locking "T" lid tops. Valve box lids in turf areas to be green; valve box lids in plantings to be brown or black.
2. Valve box shall be of a size that provides adequate space for valve repairs. For decoder systems and valve boxes with the decoder, two valves per 12" rectangular box, other wise 1 electric valve per smaller valve box. A 10" round valve box may be used for isolation valves, quick couplers and wire drops only. For all decoder valves with the decoder, leave 5' of excess wire coiled to allow the removal of the decoder.
3. Contractor to coordinate location of valve boxes that are ganged together in clusters of three or more in planting beds with the owners representative. Receive his approval of locations prior to installation.

H. Quick Coupler Valves

1. Valves shall be 1" Hunter HQ-44. (1) matching Key and swivel shall be provided to owner.

2. Quick coupler valves are to be mounted on a Schedule 80 swing joint with brass MIPT threads and placed in a 10" round valve box. The valve box is to be filled with 3/8" clear chip stone gravel.
- I. Sprinkler Heads – Gear Drives Hunter PGP Ultra Rotor and Hunter Spray Heads
1. The small diameter gear drive sprinklers shall be a 4" Hunter PGP Ultra, check valve and Pressure regulation optional. Series pop up sprinkler or approved equal. Sprinkler shall be mounted flush with final grade.
  2. Retraction shall be achieved by a heavy-duty steel retraction spring. Sprinkler shall have a rubber cover. Sprinkler housing shall be of high impact molded plastic. Sprinkler shall have a large strainer so as to prevent nozzle clogging. Sprinkler shall be constructed such that it is serviceable from top in that drive assembly, screen, and all internal components are accessible throughout top of sprinkler without disturbing case installation. The sprinkler shall be capable of stopping water flow through the head without turning off the entire zone. The drive shall be water lubricated and have a drain check valve for up to 7 feet. Radius reductions shall be adjustable by up to 25% by means of adjustment screws accessible from top of cap when sprinkler is properly installed.
  3. Sprinkler heads shall be mounted on a pre-assembled flexible Hunter SJ012. Riser length of pipe to be a minimum of 12".
  4. DO NOT THROW ON STREETS, BUILDINGS OR HARD SURFACES.
  5. The spray head sprinklers shall be a 4" or 12" Hunter PROS spray, check valve and pressure regulation optional. Sprinkler shall be mounted flush with final finished grade.
  6. Use Hunter or Rain Bird nozzles.
- J. Solvent Weld Fittings
1. Solvent weld PVC fittings shall be Schedule 40, ASTM D-2466 and ASTM D-1784. PVC Schedule-40 fittings shall be produced from PVC Type 1, Cell Classification 1245B. Fittings shall be manufactured by Lasco or approved equal. All solvents and cements shall be that recommended by the manufacturer.

2. S-80 PVC fittings may be used and may be threaded or solvent weld. S-80 TOE Nipples with S-80 couplings for plastic to metal connections. (S-80 nipples cut in half will not be allowed)

K. Gate/Isolation Valves – PVC piping

1. Isolation valves 3" and smaller shall be bronze gate valves. The gate valve shall be 200lb rated WOG non-shock, solid disc, non-rising stem with threaded ends. Valve sizes shall be as shown on plan. Connections to the piping shall be made with a S-80 TOE nipple and a S-80 Coupling. Valves shall be Nibco T-113 with handle bronze gate valve or approved equal.

L. Grounding

1. The contractor will be responsible to provide earth grounding per manufacturers specifications.
2. Grounding rods are to be in 6" round valve boxes.

### 3.5 OTHER COMPONENTS

A. Tools and Extra Equipment

1. The contractor shall provide to the Owner, ONE (1) key and One (1) hose swivel matching the quick coupling valve installed.

### 3.6 IRRIGATION BOOSTER PUMP

A. Booster Pump System

1. Booster pump may be required if static water pressure is not sufficient.

## PART 4 – EXECUTION

### 4.1 INSPECTION AND REVIEWS

A. Site Inspections:

1. The bidder acknowledges that he has examined the site and specifications, and the submission of a proposal shall be considered evidence that examination has been made.
2. Verify construction site conditions and note irregularities affecting work of this section. It shall be the contracting installer's responsibility to report to the Owner's authorized representative any deviations between specifications and the site conditions. Failure to do so before the installing of equipment and resulting in replacing and/or relocation of equipment shall be done at the "Contractor's" expense.
  - a. Examine final grades and installation conditions. Do not start irrigation system work until unsatisfactory conditions are corrected.
  - b. Beginning work of this section implies acceptance of existing conditions.

B. Utility Locations:

1. The exact location of all existing utilities and structures and underground utilities are not indicated; their locations shall be determined by the "Contractor", and he shall conduct his work so as to prevent interruption of service or damage to them.
2. Arrange for and coordinate with local authorities the location of all underground utilities.
3. Repair any underground utilities damaged during construction. Make repairs at no additional cost above the contract price.
4. The "Contractor" shall protect existing structures and utility services and be responsible for their replacement if damaged by him.

C. Irrigation System Layout Review:

1. Irrigation system layout review will occur after the staking has been completed unless specifically waived by the owners representative. Notify owners representative 24 hours prior to review.
2. The owners representative at this review will identify modifications.



#### 4.2 LAYOUT OF WORK

- A. Stake out the irrigation system. Items staked include: sprinklers, pipe, control valves, quick coupling valves, controller, isolation valves and any misc. components.
- B. Install all mainline pipe and mainline components inside of project property lines.
- C. Minor adjustments in system layout will be permitted to clear existing fixed obstructions.

#### 4.3 EXCAVATION, TRENCHING, AND BACKFILLING

- A. Excavating shall be considered unclassified and shall include all materials encountered, except materials that cannot be excavated by normal mechanical means.
- B. Excavate to permit the pipes to be laid at the intended elevations and to permit work space for installing connections and fittings.
- C. Pipe cover (distance from top of pipe or control wire to finish grade):
  - 1. 18" over top of pipe mainline to landscape
  - 2. 12" over lateral piping to landscape zones
  - 3. 12-inch over control wire, follow local and state requirements if they dictate a deeper bury depth.
- D. PVC mainlines or PVC lateral pipes 1-1/2" and smaller may be pulled into the soil using a vibratory plow device specifically manufactured for pipe pulling, if in the opinion of the owners representative that conditions are suitable. Minimum burial depths equals' minimum cover listed above provided soil moisture content and other conditions are suitable to allow for full depth of the right to determine suitability or conditions.
- E. Backfill placed next to pipe shall be free of sharp objects, which may damage the pipe. Existing soils may be assumed to be adequate to support pipe as bedding and excavated soils shall be used as backfill in all lawn areas. Backfill material shall be free from debris, including rocks, large stones, clay clumps or other

unsuitable substances. Care shall be taken to prevent settling and damage to pipe during and after backfilling operations

- F. Excavated material is generally satisfactory for backfill. Backfill shall be free from rubbish, vegetable matter, and stones larger than 2 inches in maximum dimension. Remove material not suitable for backfill. Backfill placed next to pipe shall be free of sharp objects, which may damage the pipe.
- G. Backfill unsleeved pipe by depositing the backfill material equally on both sides of the pipe in 6-inch layers and compacting each layer to 95% Standard Proctor Density
- H. Enclose pipe and wiring beneath roadways, walks, curbs, etc., in sleeves, backfill shall be  $\frac{3}{4}$ ' limestone gravel backfill.
- I. Dress backfilled areas to original grade. Incorporate excess backfill into existing site grades. All remaining spoils to be removed from site by contractor at no additional expense to owners.
- J. Where utilities conflict with irrigation trenching and pipe work, contact the owners representative for trench depth adjustments.
- K. Provide approved fine grained earth fill or sand to point 4" above the top of pipe, where soil conditions are rocky or otherwise objectionable.
- L. Excavate trenches and install piping and backfill during the same working day. Do not leave open trenches or partially-filled trenches open over night.
- M. The CONTRACTOR will be responsible for all finish and fine grading of trenches, disturbed areas around sprinklers heads, electric valves and any other excavated or disturbed areas by the CONTRACTOR. Contractor will also be responsible for all trench settling throughout the project during the one-year warranty period. If settling occurs, the contractor will repair and bring back to originally set grade, including other trades related work.
- N. When additional backfill material is needed to replace the unsuitable materials, it will be the CONTRACTOR'S responsibility and expense to supply such material. It will also be the CONTRACTOR'S responsibility to dispose of the unsuitable material.
- O. When working in existing conditions, sod cut trenches the contractor will be responsible for seeding and blanketing disturbed areas.

## 4.2 WORKMANSHIP

- A. All work shall be done by qualified irrigation installers that are knowledgeable and experienced in operations they are performing. Installation methods, procedures and materials shall be in accordance with accepted industry practice and with standards of manufacturing and contracting associations applicable to the work. All work shall be neatly done with special emphasis on appearance of work exposed to view.

## 4.3 SLEEVING AND BORING

- A. Install sleeving at a depth that permits the encased pipe or wiring to remain at the specified burial depth.
- B. Extend sleeve ends 3 feet beyond the edge of the paved surface. Cover pipe ends and mark with stakes.
- C. Bore for sleeves under obstructions that cannot be removed. Employ equipment and methods designed for horizontal boring.

## 4.4 ASSEMBLING PIPE AND FITTING

- A. General:
  - 1. Keep pipe free from dirt and pipe scale. Cut pipe ends square and deburr. Clean pipe ends.
  - 2. Keep ends of assembled pipe capped. Removed caps only when necessary to continue assembly.
  - 3. All mainline and continuously pressurized pipe is to be installed using open trenches. Lateral pipe may be installed by "Plowing" if soil conditions permit, and soils do not contain gravel, rock, construction debris, or other potential damaging material.
  - 4. Trenches may be curved to change direction or avoid obstructions within the limits of the curvature of the pipe.
- B. Mainline, lateral piping and Fittings:

1. PVC Solvent Weld Pipe:
    - a. Use a primer and solvent cement. Join pipe in a manner recommended by the manufacturer and in accordance with accepted industry practices.
    - b. Cure for 30 minutes before handling and 24 hours before allowing water in pipe.
    - c. Snake pipe from side to side within the trench.
  2. Fittings: the uses of cross type fittings are not permitted.
  3. Install thrust blocks on the mainline pipe work in accordance with pipe manufacturer's written instructions.
  4. Fittings: the uses of cross type fittings are not permitted.
  5. When using gasketed fittings or pipe, install thrust blocks on the mainline pipe work in accordance with pipe manufacturer's written instructions.
  6. At wall penetrations, pack the opening around pipe with non-shrink grout. At exterior face, leave perimeter slot approximately 1/2-inch wide by 4/5-inch deep. Fill this slot with backer rod and acceptable elastomeric sealant. Coordinate with general contractor or Project Representative for specialty penetrations.
- C. Specialized Pipe and Fitting:
1. PVC Threaded Connections:
    - a. Use only factory-formed threads. Field-cut threads are not permitted.
    - b. Use only Teflon-type tape.
  2. Threaded Connections:
    - a. Make metal-to-metal, threaded connections with Teflon-type tape applied to the male threads only.
- D. Thrust Blocks:
1. Use cast-in-place concrete bearing against undisturbed soil. Cinder blocks are allowed for thrust blocking mainline transition points in conjunction with concrete.

2. Orientation and placement shall be as shown on the installation details, size per manufacturer's recommendations.
3. Wrap fitting with plastic to protect bolts, joint and fitting from concrete.

#### 4.5 INSTALLATION OF SPRINKLER AND IRRIGATION COMPONENTS

##### A. Remote Control Valve (RCV) Assembly:

1. Flush mainline before installation of RCV assembly.
2. Wire connectors and waterproof sealant shall be used to connect control wires to remote control valve wire. Install connectors and sealant per the manufacturer's recommendations.
3. Install only one RCV to a valve box. Locate valve box at least 12 inches from and align with nearby walls and edges of paved areas. Group RCV assemblies together where practical. Arrange grouped valve boxes in rectangular patterns. Allow at least 12 inches between valve boxes.
4. Adjust RCV to regulate the downstream operating pressure.
5. Attach ID tag with controller station number to control wiring.

##### B. Sprinkler Assembly:

1. Flush lateral pipe before installing sprinkler assembly.
2. Locate rotor sprinklers 6 inches from adjacent walls, fences or edges of paved areas.
3. Install sprinklers perpendicular to the finish grade.
4. Supply appropriate nozzle or adjust arc of coverage of each sprinkler for best performance.

#### 4.6 INSTALLATION OF CONTROL SYSTEM COMPONENTS

##### A. Irrigation Controller Unit:

1. Attach wire markers to the ends of control wires inside the controller unit housing. Label wires with the identification numbers of the remote control valve to which the control wire is connected.

2. Connect control wires to the corresponding controller terminal.
- B. Control Wire:
1. For decoder systems and 24 volt systems, bundle control wires where two or more are in the same trench. Bundle with pipe wrapping tape at 15-foot intervals.
  2. Control wiring may be chiseled into the soil using a vibratory plow device specifically manufactured for pipe pulling and wire installation. Appropriate chisel must be used so that wire is fed into a chute on the chisel, and wire is not subject to pulling tension. Minimum burial depth must equal minimum cover previously listed.
  3. Provide a 24-inch excess length of wire in an 8-inch diameter loop at 90-degree change of direction, at both ends of sleeves and at 100-foot intervals along continuous runs of wiring. Do not tie wiring loop. Coil 24-inch length of wire within each remote control valve box.
  4. If a control wire must be spliced, make splice with wire connectors and waterproof sealant, installed per the manufacturer's instructions. Locate splice in a valve box that contains an irrigation valve assembly, or in a separate 10-inch round valve box.
  5. Use same procedure for connection to valves as for in-line splices.
  6. Allow 5 feet of extra wire on the decoder cable and allow 5' of extra wire for decoder to solenoid wiring to allow for above grade maintenance.

#### 4.7 INSTALLATION OF OTHER COMPONENTS

- A. Tools and Spare Parts: Prior to the review at completion of construction, supply to the owner operating keys, servicing tools, spare parts, test equipment and any other items indicated in general notes.
- B. Other Materials: Install other materials or installation details which are part of the irrigation system, even though such items may not have been referenced in these specifications.

#### 4.8 BALANCING AND ADJUSTING

- A. The Contractor will be responsible for the balancing and adjustments of the various components of the system, so the overall operation of the system is the most efficient. Including, but not limited to, the synchronization of the controllers, adjustments to the pressure regulator valves and sprinkler adjustments. Coordinate controller setup with Owners representative.
- B. Provide As-Builts prior to final acceptance to create a punch list after walk thru with owner's representative. Provide final as built showing all adjustments in form of (2) hard copies and an electronic version (PDF and CAD).

#### 4.9 REQUIREMENT FOR SUBSTANTIAL COMPLETION

- A. Cleaning Equipment and Premises
  - 1. Thoroughly clean all parts of the piping, valves and equipment.
  - 2. Remove all construction debris, excess materials and equipment.
- B. Substantial Completion shall be achieved no later than 60 calendar days after an agreed upon start date between the Owner and Contractor.

#### 4.10 MAINTENANCE

- A. Following completion of the "Contractor's" maintenance period, the owner will be responsible for maintaining the system in working order during the remainder of the guarantee/warranty period (1 year), for performing necessary minor maintenance, for trimming around sprinklers, for protecting against vandalism, and for preventing damage after the landscape maintenance operation.

#### 4.11 OBSERVATION AND ACCEPTANCE

- A. Upon completion of the work, the owners representative will issue a punch list for work to be corrected. Where work does not comply with requirements, replace rejected Work.

#### 4.12 CLEANING

A. Perform cleaning during installation of the work and upon completion of the work. Remove from site all excess materials, soils, debris and equipment. Repair damage resulting from sprinkler system

#### 4.13 Payment

The Board of Education will pay invoices submitted for work completed in accordance with the Illinois Local Government Prompt Payment Act.



## Deerfield Public School District 109

### **PART 5: INSURANCE & INDEMNIFICATION & TERMINATION**

The Contractor agrees to defend, hold harmless, and to indemnify the Board of Education as specified in the General Specifications and Conditions Section 2, above.

The Contractor will maintain the insurance policies and comply in all respects with the insurance requirements set forth in Section 2, above.

The Board of Education may terminate this Contract upon seven (7) days written notice to the bidder/contractor due to the breach of this terms and conditions set forth herein.

### **PART 6: SCHEDULE AND DELIVERY OF MAINTENANCE SERVICE**

The Contractor shall consider the school time activities being carried on both inside and outside of the buildings and arrange for construction services to be scheduled so as not to disturb or interfere with educational activities and when they do not constitute a safety hazard including arrival and dismissal traffic.

**PART 7: SITE MAPS**

Caruso Middle School  
1801 Montgomery Rd  
Deerfield, IL 60015

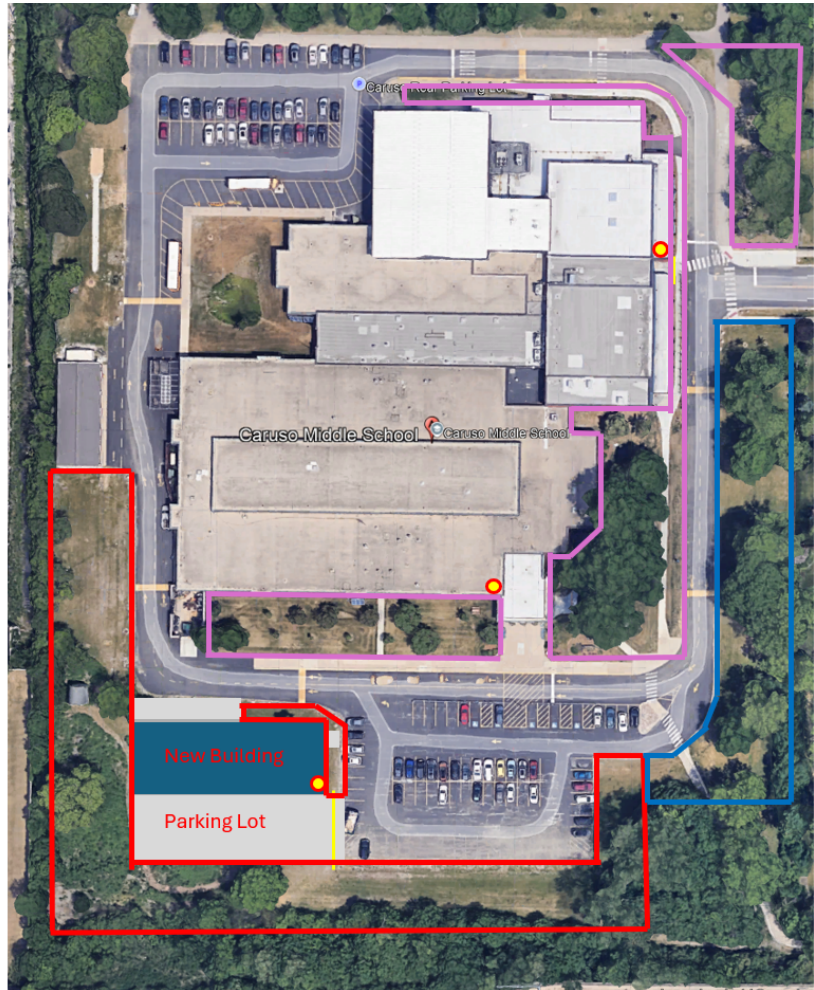
Base bid in Red

Alternate #1 in Blue

Alternate #2 in Purple

Water Main ●

Buried Chase |

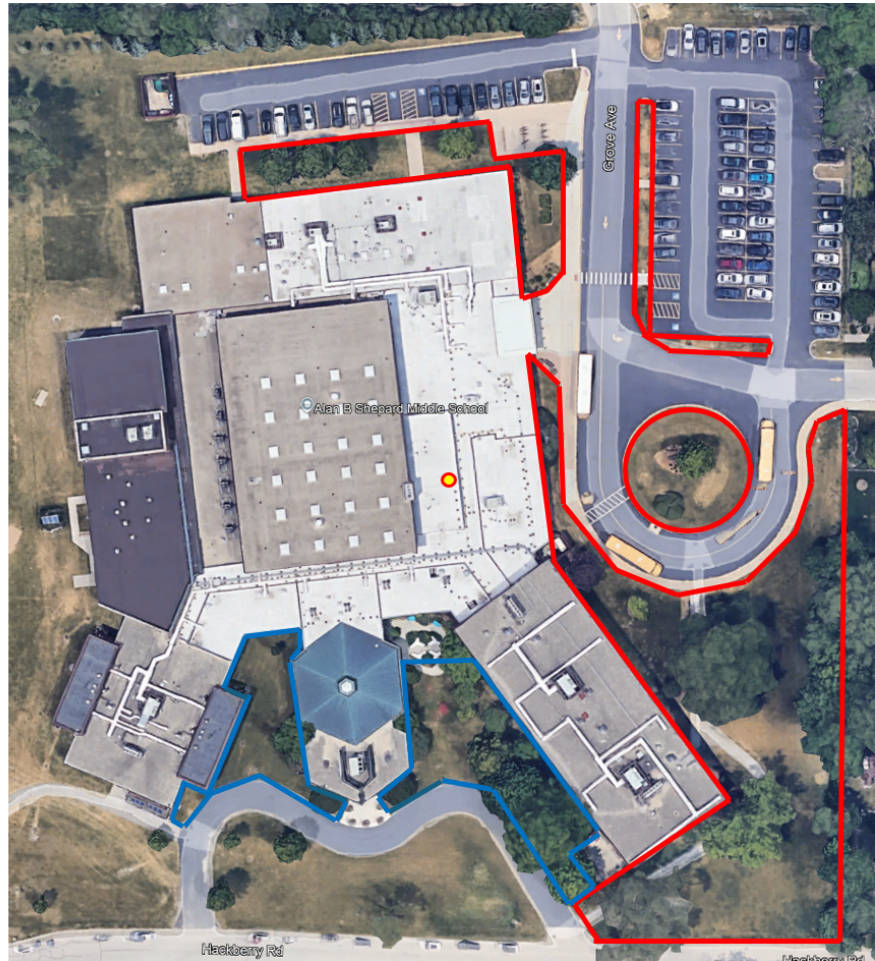


Shepard Middle School  
440 Grove Ave  
Deerfield, IL 60015

Base bid in Red

Alternate in Blue

Water Main ●



**CERTIFICATE OF COMPLIANCE WITH ILLINOIS HUMAN RIGHTS ACT**

All successful contractors must comply with the provisions of the Illinois Human Rights Act (HRA) dealing with equal employment opportunities (Section 2-105, 775 ILCS 5/2-105) including equality of employment opportunity and the regulations of the Department of Human Rights of the State of Illinois and also must provide for the adoption and implementation of written Sexual Harassment Policies. The contract with the successful bidder will provide for this requirement. The statutory provisions require that the written Sexual Harassment Policy included at a minimum the following information: (i) the illegality of sexual harassment, (ii) the definition of sexual harassment under Illinois law, (iii) a description of sexual harassment, utilizing examples, (iv) a vendor's internal compliant process including penalty, (v) the legal recourse, investigative and compliant process available through the Department of Human Rights Commission, (vi) protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act.

Firm Name: \_\_\_\_\_

By: \_\_\_\_\_  
(Authorized Agent of Contractor)

Title: \_\_\_\_\_

Subscribed and sworn to before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Notary Public: \_\_\_\_\_

Commission Expires: \_\_\_\_\_

**BIDDER ELIGIBILITY CERTIFICATION**

Public Act 85-1295 (Illinois Revised Statutes, 1987, Chapter 38 Article 33E) requires that all the contractors bidding for public agencies in the State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

Following Certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO WILL RESULT IN DISQUALIFICATION OF THE BIDDER.

Name of Contractors

As part of its bid on the LAWN AND GROUNDS MAINTENANCE SERVICE hereby certifies that the said contractor is not barred from bidding in the aforementioned contract as a result of a violation of either 33E or 33E-4 of Article 33E of Chapter 38 of the Illinois Revised Statues.

Firm Name: \_\_\_\_\_

By: \_\_\_\_\_  
(Authorized Agent of Contractor)

Title: \_\_\_\_\_

Subscribed and sworn to before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Notary Public: \_\_\_\_\_

Commission Expires: \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE WITH ILLINOIS CONTRACTORS  
DRUG-FREE WORKPLACE ACT**

Pursuant to 30 ILCS 580/1 et seq. (the Drug-Free Workplace Act) the undersigned Contractor hereby certifies to the Board of Education of Deerfield Public School District 109 that it will provide a drug free workplace by:

1. Publishing a statement:
2. Notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, including cannabis, is prohibited in the contractor's workplace.
3. Specifying the actions that will be taken against employees for violations of such prohibition.
4. Notifying the employee that, as a condition of employment on such contract, the employee will:
  - a. Abide by the terms of the statement; and
  - b. Notify the employer of any criminal drug statute conviction for violation occurring in the workplace no later than five (5) days after such conviction.
5. Establishing a drug-free awareness program to inform employees about:
  - a. The danger of drug abuse in the workplace;
  - b. The contractor's policy of maintaining a drug-free workplace;
  - c. Any available drug counseling, rehabilitation, and employee assistance programs; and
  - d. The penalties that may be imposed upon employees for drug violations.
6. Making it a requirement to give a copy of the statement required in subsection "A" to each employee engaged in the performance of the contract(s) and to post the statement in a prominent place in the workplace.

7. Notifying the contracting or granting agency within ten (10) days after receiving notice under part "b" of paragraph "3" of subsection "A" from an employee or otherwise receiving actual notice of such conviction.
8. Imposing a sanction on or requiring the satisfactory participation in a drug abuses assistance or rehabilitation program by, any employee who is so convicted, as required under Section 5 of the Drug Free Workplace Act.
9. Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation is required and indicating that a trained referral team is in place.
10. Making a good faith effort to continue to maintain a drug-free workplace through implementation of Section 3 of the Drug Free Workplace Act.
11. Failure to abide by this Contractors Drug Free Workplace Certification shall subject the contractor the penalties set forth in sections 6, 7 and 8 of the Drug Free Workplace Act.

**NOTICE:** This Contractor's Drug Free Workplaces Certification is to be completed by any corporations, partnerships or other entities with twenty-five (25) or more employees at the time of the contract(s), or a department, division, or unit thereof, directly responsible for the performance of a contract of \$5,000 or more with the School District.

Firm Name: \_\_\_\_\_

By: \_\_\_\_\_  
 (Authorized Agent of Contractor)

Title: \_\_\_\_\_

Subscribed and sworn to before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Notary Public: \_\_\_\_\_

Commission Expires: \_\_\_\_\_

**BID-RIGGING CERTIFICATION**

I, \_\_\_\_\_ . A duly authorized agent of  
(Agent)

\_\_\_\_\_ do hereby certify that neither  
(Contractor)

\_\_\_\_\_ nor any individual presently  
(Contractor)

affiliated with \_\_\_\_\_ has been barred from  
(Contractor)

bidding on a public contract as a result of a violation of either Section 33E-3 (bid-rigging)

or Section 33E-4 (bid rotating) of the Illinois Criminal Code, contained in Chapter 38 of the

Illinois Revised Statutes.

\_\_\_\_\_  
Authorized Agent

\_\_\_\_\_  
Contractor



**SCHOOL DISTRICT #109 – IRRIGATION SYSTEMS**

**BID FORM - FOR TWO LOCATIONS**

Prospective bidders must complete all sections of this form.

***Caruso Middle School***

**BASE BID:**

TOTAL BASE BID: \_\_\_\_\_

**ALTERNATE 1 BID:** \_\_\_\_\_

**ALTERNATE 2 BID:** \_\_\_\_\_

***Shepard Middle School***

**BASE BID:**

TOTAL BASE BID: \_\_\_\_\_

**ALTERNATE 1 BID:** \_\_\_\_\_

The Contractor agrees to comply with insurance as stipulated in Notice to Bidder.

Bid Submitted by: \_\_\_\_\_

Name of Company: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Authorized Representative: \_\_\_\_\_

(Signature)

\_\_\_\_\_  
(Date)