

Date Issued: MAY 15th, 2023

Invitation to Bid No.: 23-019

The City of Decatur will accept sealed bids for the following material, equipment or services for the Engineering Department.

Description: **SPORTS FIELD & COURSE PREPARATION**

Include 1 original and 1 copy of your bid submission.

Bid opening will be held on 3RD floor Decatur City Hall 402 Lee Street NE. on THURSDAY JUNE 1ST, 2023

Return sealed bid to:

Regular Mail
City of Decatur
Purchasing Department
P.O. Box 488
Decatur, AL 35602

Courier
City of Decatur
Purchasing Department
Third Floor
402 Lee St., NE
Decatur, AL 35601

I/We agree to furnish at the prices shown and guarantee that each item offered will meet or exceed all specifications, terms and conditions, and requirements listed. I herein affirm I have not been in any agreement or collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding or otherwise. I have read and understand all terms and conditions of this bid.

Company Name

Authorized Signature

Mailing Address

Typed/Printed Authorized Name

City, State, Zip

Title

Email

Telephone

SEE ATTACHED FOR PRICING

Prices quoted above in all bids for personal property shall be total delivered price.

- A bid bond IS required for this IFB.
- Delivery can be made _____ days or _____ weeks after receipt of order.
- Terms: _____ (Discounts offered in payment terms will be considered in the bid evaluation)
- Prices valid for acceptance within _____ days (not to be less than 30 days)
- Contracts for services are let for a period of one year and may be renewed for up to two additional years, provided the terms of the contract do not materially change.

NOTE: FOR THIS BID TO BE CONSIDERED RESPONSIVE, ALL INFORMATION REQUESTED SHOULD BE SUPPLIED, AS APPROPRIATE OR THE ENTIRE BID MAY BE DISQUALIFIED. BID RESPONSE MUST BE IN INK OR TYPED WITH THE ORIGINAL SIGNATURE INCLUDED.

Bidder Signature

Company

By signing this contract, _____ represents and agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

STANDARD TERMS AND CONDITIONS

IN ORDER TO SUBMIT A RESPONSIVE BID, IT IS VERY IMPORTANT THAT ALL TERMS AND CONDITIONS, SPECIFICATIONS AND INSTRUCTIONS ARE READ THOROUGHLY.

Bid response envelopes shall be properly identified on the front with the invitation to bid number, opening date and time. Each individual invitation to bid shall be submitted in a separate sealed envelope. Multiple bid responses submitted in the same envelope/courier package (that are not in separate envelopes properly identified) shall be rejected. The Purchasing Department assumes no responsibility for late bid responses that occur due to the U.S. Postal Service or private courier service.

Bid responses and signature page must be submitted on this form in ink or typewritten or the bid will be rejected. Submit this **original and (1) copy** of the original with your response.

For a “no-bid” response, return the signature page signed and marked “no bid”. Non-response may result in removal from active bidders list.

The attached specifications are being provided to potential bidders as guidelines that describe the type and quality of equipment, supply, and/or service the City of Decatur is seeking to purchase. The bidder must indicate compliance or list exceptions to each specification item for consideration. Failure to comply with this provision could be cause for rejection of the bid.

Bid responses must be received in the office of the Purchasing Department not later than the date and time specified.

The Purchasing Department will not accept facsimile (fax) nor email transmissions of bids.

Changes or modifications of this Invitation to Bid are allowed only by written authority of the Purchasing Agent.

Non Appropriation of Funds: Continuation of any agreement between the City of Decatur and a bidder beyond a fiscal year is contingent upon continued legislative appropriation of funds for the purpose of this bid and any resulting agreement. Non availability of funds at any time shall cause any agreement to become void and unenforceable and no liquidated damages shall accrue to the City as a result. The City will not incur liability beyond the payment of accrued agreement payment.

Descriptive Literature: Reference to brand names and numbers is not restrictive, unless otherwise specified. Bids on equivalent items meeting the standards of quality indicated will be considered, providing the bid clearly describes the item offered and indicates how it differs from the referenced brands. Descriptive literature on any supplemental information necessary for comparison purposes shall be submitted with the bid or the Purchasing Agent

may reject the bid for that item. Reference to literature submitted with a previous bid, or on file with the Purchasing Department will not satisfy this requirement.

The City of Decatur reserves the right to modify all or any portion of this Invitation to Bid when the best interest of the City is involved. The City reserves the right to award this bid to a single vendor or multiple vendors when in the best interest of the City.

The City of Decatur reserves the right to seek clarification of bid responses from vendors submitting responses.

The City of Decatur is exempt from all Federal, sales and use taxes.

Bidders shall furnish a Bid Bond of 5% of the total bid on any bid of \$10,000 or more. The Bid Bond may be in the form of either a Cashier's Check or a Surety Bond. Bid Bonds may be set aside on bids for sale of certain standard manufactured products that are readily available from multiple sources.

All bidders shall maintain such insurance as will protect bidder and the City of Decatur from claims under Workman's Compensation Acts and from claims for damage and or personal injury, including death, which may arise from the operation and/or fulfillment of the resulting contract of this Invitation to Bid. Insurance shall be written by companies authorized to do business in Decatur, Alabama. Evidence of insurance shall be furnished to the City of Decatur Purchasing Department with submitted bids when requested.

Any individual, company, or corporation doing business with the City of Decatur must possess and show proof thereof all proper licenses and/or proper certifications required by Federal, state and local statutes and regulations prior to award when requested.

The City of Decatur reserves the right to terminate any contract resulting from this bid for just and reasonable cause whereby it appears to be in the best interest of the City.

The successful bidder agrees, by entering into this contract, to defend, indemnify, and hold the City of Decatur harmless from any and all causes of action or claims of damages arising out of or related to bidder's performance under this contract.

The successful bidder shall abide by all Federal, State, and Local Statutes, laws, regulations, and ordinances. Including but not limited to a current business license and remittance of sales tax owed to the City.

An electronic version of this bid is available on the City's website at www.decaturalabamausea.com or by emailing purchasing@decatur-al.gov. In order to decrease the evaluation time and insure award by the award date please enter your responses in the electronic version if possible, and return it with a hard copy with your bid response package.

The hard copy of the invitation to bid on file in the City of Decatur Purchasing office shall serve as the master document. Any alterations, deletions, additions or other changes that materially change the intent of the bid could be considered grounds for rejection of the bid response.

Exclusion of the electronic files in a bid response is not a basis for rejection.

A BID RESPONSE MAY BE REJECTED IF:

- Bids improperly submitted or identified
- Bid not signed or not original signature
- Requested information, or documentation not submitted with bid
- Failure to acknowledge receipt of addendum with bid
- Material alteration of the master document
- Invitation to bid number not on face of envelope
- Received late/ no bid bond
- Bid response not on original form
- Bid not in ink or typed
- Proper licensing not included/provided as required by law

Notice: As a condition of contract, grant or incentive performance with the City of Decatur, compliance with the requirements of the Beason-Hammon Alabama Taxpayer and Citizen Protection Act must be provided. Please enter the name of your company and your name and complete the affidavit below. Your signature must be notarized.

BUSINESS NAME: _____

APPLICANT'S NAME: _____

E-VERIFY AFFIDAVIT

I am the applicant listed above. In my capacity as _____ of the business entity listed above, I do hereby execute this affidavit on behalf of the business listed above and, by executing this affidavit, I verify that business' compliance with Section 31-13-9 of the Code of Alabama, 1975, stating affirmatively that it does not knowingly employ, hire for employment or continue to employ an unauthorized alien. Further, the business has registered with and is participating and will participate during the performance of any contract with the City in the federal work authorization program known as "E-verify" web address <https://e-verify.uscis.gov/enroll> , operated by the United States Citizenship and Immigration Service Bureau of the United States Department of Homeland Security to verify information of newly hired employees pursuant to the Immigration Reform and Control Act of 1986 (IRCA), P. L. 99-603, in accordance with the applicable provisions of Alabama's Immigration law.

The undersigned further represents that, should the business employ or contract with any subcontractor(s) in connection with the physical performance of services pursuant to the contract with the City, it will secure from such subcontractor(s) verification of compliance with Section 31-13-9 of the Code of Alabama, 1975, in a form substantially similar to this affidavit. The Business further agrees to maintain records of such compliance and provide a copy of each said verification on request of the City.

E-verify Employment Eligibility Verification User Identification Number

Applicant

Sworn to and subscribed before me on this the _____ day of _____, 20____

Notary Public

My Commission Expires: _____

The BIDDER by execution hereby agrees to offer the goods and services described in this BID at unit prices bid, with final contract amount, calculated from actual measured quantities. The quantities may be substantially increased or decreased at the discretion of the City of Decatur with no liability incurred by the City.

AND, FURTHER, that we will be ready to begin construction no later than ten (10) calendar days after Notice of Award at locations directed by the City's Representative and will complete construction promptly at all locations, and for unit prices bid, during a period of twelve (12) month from date of Contract Agreement.

AND, FURTHER, that after Notice of Award, we hereby accept this contract proposal as being complete and binding if timely notices and agreement are performed by the City of Decatur as hereinbefore described.

Witness our hand and seal, this ____ day of _____.

The Undersigned's Alabama CONTRACTOR'S License No. is _____ and the bid limitation classification is \$ _____.

Submitted:

Contractor

Signature

Title

INFORMATION FOR BIDDERS

Sealed BIDS for the SPORTS FIELD PREPARATION will be received by City of Decatur, at the Office of Purchasing, Third Floor City Hall, 402 Lee Street NE, Decatur, AL 35601 until JUNE 1ST, 2:00pm at which time the bids shall be publicly opened and read aloud in the Purchasing Department Conference Room. Each sealed envelope containing a BID must be plainly marked on the outside as "**BID 23-019 SPORTS FIELD & COURSE PREPARATION**". All bids must be on the required bid forms contained within or copies thereof.

THIS CONTRACT DOES NOT INCLUDE PROPOSED PROJECTS IN EXCESS OF \$50,000.
SEPARATE INVITATIONS FOR BID WILL BE ADVERTISED FOR THESE PROJECTS.

The OWNER may waive any informalities or minor defects or reject any or all bids. No BIDDER may withdraw a BID within 60 days after the actual date of the opening thereof. Construction permits and necessary licenses shall be secured by the CONTRACTOR prior to beginning any work pursuant to this agreement. The period of the contract shall be twelve months with the option to extend the period of the contract, if agreeable to both OWNER and CONTRACTOR, for two additional 12 month periods providing the terms of the agreement do not change.

- A conditional or qualified BID will not be accepted
- Award will be made as a whole to one BIDDER
- All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the work shall apply to the contract throughout.

The attention of all BIDDERS is called to the provisions of CONTRACTOR'S ALABAMA LICENSE LAW governing "GENERAL CONTRACTORS" as set forth in Chapter 8 of Title 34 of the Code of Alabama as amended; and BIDDERS will be governed by said law insofar as it is applicable. The above-mentioned provisions of the CODE provides that no one is entitled to bid and no contract may be awarded to anyone who does not possess a valid General CONTRACTOR'S permit or license as provided by the foregoing section of the Code and that his BID may not be considered without producing evidence that he is so qualified. The OWNER may not enter into a CONTRACT with a non-resident corporation which has not qualified under the State laws to do business in the State of Alabama. It is expressly noted for this work that the CONTRACTOR must be licensed under both specialty classifications of Municipal and Utilities and Highways and Streets.

The CONTRACTOR shall purchase and maintain such insurance as will protect him (and others as noted below) from claims set forth below which may arise out of or result from the CONTRACTOR'S execution of the WORK, whether such execution be by himself or by any Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable: claims under the Workmen's compensation, disability benefit and other similar employee benefit acts; claims for damages because of bodily injury, occupational sickness or disease, or death of his employees; claims for damages because of bodily injury, sickness or disease, or death of any person other than his employees; claims for damages insured by usual personal injury liability coverage which are sustained (1) by any

person as a result of an offense directly or indirectly related to the employment of such person by the CONTRACTOR, or (2) by any other person; and claims for damages because of injury to or destruction of tangible property, including loss of use resulting therefrom.

Certificates of Insurance acceptable to the OWNER shall be filed with the OWNER prior to commencement of the WORK. These Certificates shall contain a provision that coverage afforded under the policies will not be cancelled unless at least fifteen (15) days prior WRITTEN NOTICE has been given to the OWNER.

The CONTRACTOR shall procure and maintain, at his own expense, during the CONTRACT TIME, liability insurance as hereinafter specified;

CONTRACTOR'S General Public Liability and Property Damage Insurance including vehicle coverage issued to the CONTRACTOR and protecting him and the OWNER, its agents, servants and employees from all claims for personal injury, including death, and all claims for destruction of or damage to property, arising out of or in connection with any operations under the CONTRACT DOCUMENTS, whether such operations be by himself or by any Subcontractor under him, or anyone directly or indirectly employed by the CONTRACTOR or by a Subcontractor under him. Insurance shall be written with a limit of liability of not less than \$1,000,000 for all damages arising out of bodily injury, including death, at any time resulting therefrom, sustained by any one person in any one accident; and a limit of liability of not less than \$2,000,000 for any such damages sustained by two or more persons in any one accident. Insurance shall be written with a limit of liability of not less than \$1,000,000 for all property damage sustained by any one person in any one accident; and a limit of liability of not less than \$2,000,000 for any such damage sustained by two or more persons in any one accident.

The CONTRACTOR shall procure and maintain, at his own expense, during the CONTRACT TIME, in accordance with the provisions of the laws of the state in which the WORK is performed, Workmen's Compensation Insurance, including occupational disease provisions, for all of his employees at the site of the WORK and in case any WORK is sublet, the CONTRACTOR shall require such Subcontractor similarly to provide Workmen's Compensation Insurance, including occupational disease provisions for all of the latter's employees unless such employees are covered by the protection afforded by the CONTRACTOR. In case any class of employees engaged in hazardous WORK under this contract at the site of the WORK is not protected under Workmen's Compensation statute, the CONTRACTOR shall provide, and shall cause each Subcontractor to provide, adequate and suitable insurance for the protection of his employees.

Proposal of _____ (hereinafter called "BIDDER"),
organized and existing under the laws of the State of Alabama, doing business as a
_____.*

To the City of Decatur, City Hall, Lee Street, N.E. Post Office Box 488, Decatur, Alabama, 35601, (hereinafter called "OWNER").

In compliance with your Advertisement for bids, BIDDER hereby proposes to provide SPORTS FIELD & COURSE PREPARATION, in strict accordance with the contract documents, within the time set forth therein, and at the prices stated below.

By submission of the BID, each BIDDER certifies for his own organization, that this BID has been arrived at independently, without consultation, communication or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence work under this contract on or before a date to be specified in the NOTICE OF AWARD.

*Insert "a corporation", "a partnership", or "an individual" as applicable.

_____ certifies they have read and understand the bid items and have indicated a proposal for each item within the following proposal, and have compiled a total bid based on unit prices as follows:

SPECIFICATIONS
CITY OF DECATUR PARKS AND RECREATION

ATHLETIC FIELD
DESIGN, CONSTRUCTION, RENOVATION, AND MAINTENANCE

TURF AND GOLF COURSE IRRIGATION
DESIGN AND CONSTRUCTION

MAY 2023

SCOPE OF WORK

The scope of any project shall not be limited to any or all of the bid items. The intent of this bid is to provide the City of Decatur with complete Field & Irrigation Construction & Maintenance Services LABOR ONLY, material will be supplied by Owner. A comprehensive design plan, material list, and schedule for construction shall be submitted for each project contemplated:

- 1. Design, construct, and maintain new athletic fields which could include:**
 - a. Design
 - b. Turfplaning
 - c. Laser leveling (grade & sprinklers)
 - d. Tilling
 - e. Soil amendments
 - f. Drainage
 - g. Grassing (sprigs or sod)
 - h. Concrete mowing edge
 - i. Gravel roads
 - j. Maintenance

- 2. Design, renovate, and maintain existing athletic fields which could include:**
 - a. Design
 - b. Turfplaning
 - c. Laser leveling (grade & sprinklers)
 - d. Tilling
 - e. Soil amendments
 - f. Drainage
 - g. Grassing (sprigs or sod)
 - h. Concrete mowing edge
 - i. Gravel roads
 - j. Maintenance

3. Design and construct turf Irrigation systems on new and existing athletic fields could include:

- a. Design
- b. Central computer control systems
- c. Radio control systems
- d. Weather station
- e. Pump stations
- f. Flow sensing
- g. Backflow prevention
- h. Gasket, solvent weld and HDPE pipe
- i. Thrust blocking
- j. Laser leveling sprinklers & valves
- k. Balancing system

4. Design and construct golf course irrigation systems on new and existing golf courses could include:

- a. Design
- b. Central computer control systems
- c. Radio control systems
- d. Weather station
- e. Pump stations / Wet wells
- f. Flow sensing
- g. Backflow prevention
- h. Gasket, solvent weld and HDPE pipe
- i. Thrust blocking
- j. Trench compaction
- k. Balancing system

CONTRACTOR QUALIFICATIONS

Contractor shall possess the experience, ability, personnel, equipment and facilities to perform the indicated scope of work. The Contractor shall have demonstrated such qualifications by having completed Design, Construction, and Irrigation on a minimum of five High Quality athletic fields within the past five years. The Contractor shall be currently engaged full time in maintaining high quality athletic fields on a day to day basis, with work consisting of turfplaning, mowing, watering, fertilizing, weed control, top dressing, aeration, and verticutting. The Contractor shall also have demonstrated such qualifications by having completed Design and Construction of least five Golf Course Irrigation Systems within the past three years which have incorporated all aspects required on the bid list, and comply with the following:

1. The Contractor shall be Licensed by: The Alabama State Licensing Board for General Contractors with the following classifications;

MU: Sprinkler Systems or Irrigation or Irrigation Systems
Recreation / Athletic Courts, Track and Fields or Athletic Fields

2. The Contractor shall have been Certified by, The Irrigation Association, Falls Church, Virginia with the following minimum certifications:

Certified Irrigation Designer
Certified Landscape Irrigation Auditor

3. The Contractor shall have been Certified by Rain Bird Corporation, Glendora, CA with the following minimum classifications:

Maxicom Installer and or Water Manager

BID SCHEDULE:

ATHLETIC FIELD CONSTRUCTION

LINE	UNITS	LABOR DESCRIPTION	PRICE
1	day	RENOVATE SUB GRADE (till 18" deep) CAT RM-300 (min 5 day)	per day
2	sq. ft.	RENOVATE SUB GRADE (till 8" deep) 10,000 sf - 42,000 sf	per sf
3	sq. ft.	RENOVATE SUB GRADE (till 8" deep) 42,001 sf - 95,000 sf	per sf
4	sq. ft.	RENOVATE SUB GRADE (till 8" deep) 95,001 sf - UP	per sf
5	sq. ft.	LASER SUB GRADE (+- 1/2") 10,000 sf - 42,000 sf	per sf
6	sq. ft.	LASER SUB GRADE (+- 1/2") 42,001 sf - 95,000 sf	per sf
7	sq. ft.	LASER SUB GRADE (+- 1/2") 95,001 sf - UP	per sf
8	ea.	LASER VALVES & SPRINKLERS	each
9	ln. ft.	CONCRETE MOWING EDGE (6"x12")	per lf
10	ln. ft.	CONCRETE MOWING EDGE (6"x18")	per lf
11	ln. ft.	CONCRETE MOWING EDGE (4"x 24")	per lf
12	ton	SPREAD SOIL AMENDMENTS	per tn
13	ton	SPREAD SAND (BULK)	per tn
14	sq. ft.	BLEND AMENDED SOIL (till 8" deep) 10,000 sf - 42,000 sf	per sf
15	sq. ft.	BLEND AMENDED SOIL (till 8" deep) 42,001 sf - UP	per sf
16	sq. ft.	LASER & ROLL FINAL GRADE (+-1/4") 10,000 sf - 42,000 sf	per sf
17	sq. ft.	LASER & ROLL FINAL GRADE (+-1/4") 42,001 sf - 95,000 sf	per sf
18	sq. ft.	LASER & ROLL FINAL GRADE (+-1/4") 95,001 sf - UP	per sf
19	sq. ft.	INSTALL DRAINAGE LAYER #57 GRAVEL / INCH	per sf
20	sq. ft.	INSTALL DRAINAGE LAYER #78 GRAVEL / INCH	per sf
21	sq. ft.	INSTALL DRAINAGE LAYER #89 GRAVEL / INCH	per sf
22	sq. ft.	INSTALL WOVEN FILTER FABRIC	per lf
23	ln. ft.	INSTALL 12" FLAT PANEL DRAIN PIPE	per lf
24	ln. ft.	INSTALL 4" SOCK DRAIN w / GRAVEL or SAND	per lf
25	ln. ft.	INSTALL 6" SMOOTH BORE ADS PIPE (solid or perforated)	per lf
26	ln. ft.	INSTALL 8" SMOOTH BORE ADS PIPE (solid or perforated)	per lf
27	ln. ft.	INSTALL 12" SMOOTH BORE ADS PIPE (solid or perforated)	per lf
28	ln. ft.	INSTALL 14" SMOOTH BORE ADS PIPE (solid or perforated)	per lf
29	ln. ft.	INSTALL 18" SMOOTH BORE ADS PIPE (solid or perforated)	per lf
30	ln. ft.	INSTALL 24" SMOOTH BORE ADS PIPE (solid or perforated)	per lf
31	ln. ft.	INSTALL 30" SMOOTH BORE ADS PIPE (solid or perforated)	per lf
32	ln. ft.	INSTALL 36" SMOOTH BORE ADS PIPE (solid or perforated)	per cy
33	ln.ft.	INSTALL PRESSURE TREATED 2x4 TURF NAILER	per sf
33	cu. yd.	INSTALL INFIELD CLAY 4" DEEP	per sf
34	sq. ft.	INSTALL WARNING TRACK 4" DEEP (min 5,000 sf)	per sy
35	sq. ft.	INSTALL & LASER 6" DEEP GRAVEL ROAD (min 10,000 sf)	per sy
36	sq. yd.	HARVEST 42" SOD ROLLS (min. 5,000 sy)	per ac
37	sq. yd.	INSTALL 42" SOD ROLLS (min. 5,000 sy)	per sf
38	ac.	TURF MAINTENANCE LABOR MONTHLY (min. 2 acres)	per hr
39	sq. ft.	TURFPLANING (2" max. cut)	per hr
40	hour	D5LGP BULLDOZER WITH LASER or EQUAL(w / operator)	per hr

41	hour	420E BACKHOE or EQUAL (w / operato	_____ per hr
42	hour	MISC LABOR (3 men, 1-tech, 2 skilled lab	_____ per hr

BID SCHEDULE: **TURF & GOLF IRRIGATION INSTALLATION**

LINE	UNITS	LABOR DESCRIPTION	UNIT PRICE
43	ea.	INSTALL CENTRAL CONTROL COMPUTER	_____ each
44	ea.	INSTALL CENTRAL RADIO CONTROL	_____ each
45	ea.	INSTALL WEATHER STATION	_____ each
46	ea.	INSTALL DECODER CONTROL MODULE	_____ each
47	ea.	INSTALL SENSOR - PULSE DECODER	_____ each
48	ea.	INSTALL 2" FLOW METER & MONITOR	_____ each
49	ea.	INSTALL CONTROLLER 16 - 24 STATION	_____ each
50	ea.	INSTALL CONTROLLER 32 - 48 STATION	_____ each
51	ea.	INSTALL CONCRETE VAULT w / 3" BACKFLOW 48 ea. INSTALL 2" BACKFLOW w / JUMBO VALVE BOX	_____ each
52	ea.	INSTALL 1" thru 2" ELECTRIC CONTROL VALVES w/PRS	_____ each
53	ea.	INSTALL 1" QUICK COUPLER	_____ each
54	ea.	INSTALL 85' GOLF VIH SPRINKLER (includes pipe & fittings)	_____ each
55	ea.	INSTALL 70' GOLF VIH SPRINKLER (includes pipe & fittings)	_____ each
56	ea.	INSTALL 60' TURF SPRINKLER (includes pipe & fittings)	_____ each
57	ea.	INSTALL 35' TURF SPRINKLER (includes pipe & fittings)	_____ each
58	ea.	INSTALL 15' TURF SPRINKLER (includes pipe & fittings)	_____ each
59	ea.	INSTALL 2" TO 4" TEE ON EXISTING PIPE	_____ each
60	ea.	INSTALL 3"-6" CI ISOLATION VALVE (includes thrusting)	_____ per lf
61	ea.	INSTALL 8"-12" CI ISOLATION VALVE (includes thrusting)	_____ per lf
62	ln. ft.	INSTALL 12" PVC GASKET PIPE (includes thrusting)	_____ per lf
63	ln. ft.	INSTALL 10" PVC GASKET PIPE (includes thrusting)	_____ per lf
64	ln. ft.	INSTALL 8" PVC GASKET PIPE (includes thrusting)	_____ per lf
65	ln. ft.	INSTALL 6" PVC GASKET PIPE (includes thrusting)	_____ per lf
66	ln. ft.	INSTALL 4" PVC GASKET PIPE (includes thrusting)	_____ per lf
67	ln. ft.	INSTALL 3" PVC GASKET PIPE (includes thrusting)	_____ per lf
68	ln. ft.	INSTALL 2 1/2" PVC GASKET PIPE (includes thrusting)	_____ per lf
69	ln. ft.	INSTALL 2 1/2" PVC SOLVENT PIPE	_____ per lf
70	ln. ft.	INSTALL 2" PVC GASKET PIPE (includes thrusting)	_____ per lf
71	ln. ft.	INSTALL 2" PVC SOLVENT PIPE	_____ per lf
72	ln. ft.	INSTALL 1 1/2" PVC SOLVENT PIPE	_____ per lf
73	ln. ft.	INSTALL 1" PVC SOLVENT PIPE	_____ per lf
74	ln. ft.	INSTALL #12 OR #14 CONTROL WIRE (single ditch)	_____ per lf
75	ln. ft.	INSTALL POWER WIRE	_____ per hr
76	ln. ft.	INSTALL COMMUNICATION WIRE	_____ per hr
77	hr.	45 HP TRENCHER (w / operator)	_____ per hr
78	hr.	50 HP TRENCHER (w / operator)	_____ per hr

79	hr. 65 HP TRENCHER (w / operator)	
80	hr. WHEELED TRENCH COMPACTOR (w / operator) (min 10 hrs)	_____ per hr
81	hr. LASER CONTROLLED BOX & TRACTOR (w / operator) (min 10 hrs)	_____ per hr
TOTAL		_____

ATHLETIC FIELD CONSTRUCTION

ATHLETIC FIELD DESIGN

A detailed athletic field renovation design, including drainage and irrigation shall be supplied by the contractor at no cost to the owner for any anticipated project. The plan shall be supplied in AutoCAD 2004 format on CD for distribution to all parties and shall also include a detailed material list, projected construction cost, and construction & maintenance schedule.

TURFPLANING

Provide all labor and equipment to complete the work of this Section based on the following.

Turfplaner to be Manufactured by G2 turftools, Inc. Athens, Alabama model 0584 84" cutting width OR EQUAL.

Turfplane existing surface to a smooth and uniform grade as determined by the overall existing grade by removing 2" maximum per pass, using either Laser, Autograde, Autodepth or Manual Controls (as determined by site conditions).

Laser turfplane existing surface to a smooth and uniform grade as determined by the overall existing grade, and removing no more than 2" per pass, with resulting grade to be accurate to +/- 1/8" overall.

Turfplane existing surface to the desired grade making multiple passes.

Removal of all debris (spoils) to owner designated area within 500' of turfplaned area.

Provide Owner with comprehensive grow-in instructions.

HARVEST EXISTING TURF

Existing turf that will be reused shall be removed by means of a sod harvester in 42" rolls and shall be harvested with a minimum of 1/2" of soil being consistent among all

rolls for transport by owner, all other turf shall be removed by mechanical means including sod cutter, tiller, rakes, etc. After turf removal the field shall be irrigated for three consecutive days prior to spraying with a non-selective herbicide. This process shall be repeated until such time as 0% new growth or green leaves regrow for a period of 1 week.

RENOVATION OF SUBGRADE

The existing subgrade shall be tilled to a minimum depth of 8" by mechanical means. The tilled soil shall be made free of all debris and grass material with no rocks or foreign matter larger than ½ "in diameter.

LEVELING OF SUBGRADE

Existing subgrade (+/- 1 1/4" of required grade) shall be leveled to plus or minus ½" by use of a Dual Laser controlled pull box and dual slope or cone laser, GPS controlled equipment will not be allowed. The field shall be graded as to evenly distribute the existing soil from the fall line (which will be considered the centerline or crown of the playing field) to the existing sidelines. The created slope shall in no case be less than 1.00% for football and 0.50% for soccer and 0.50% for baseball / softball on natural grass, synthetic fields shall be graded per required slope. The owners should be notified as to the availability of material on the field and the ultimate slope or crown of the field.

LEVELING OF EXISTING IRRIGATION SPRINKLERS & VALVES

All existing irrigation sprinklers shall be set by means of a laser level consistent with the new grade, to a grade ½" below subgrade prior to sod installation. Leveling shall be to within plus or minus 1/4" of grade. All existing irrigation valves shall be set by means of a laser level consistent with the new grade, to a grade 2" below subgrade prior to sod installation. Leveling shall be to within plus or minus ½" of grade. A traceable piece of metal shall be securely fastened to the top of each valve box to enable location by means of a metal locator. All soil around and under sprinklers and valves shall be compacted in a manner as to limit settling. The contractor shall be responsible for all such settling for a period of one year after acceptance.

GRAVEL SERVICE ROAD

A 6" deep gravel service road shall conform to the new grade so as to allow drainage across road unimpeded. This gravel service road shall be first excavated and laser leveled to 6" below finished grade (+-1") with gravel being laser leveled to (+-1/4") and rolled to a consistent density.

CONCRETE MOWING EDGE

A concrete mowing edge shall be constructed to a finished dimension of 6" wide x 12" deep reinforced with 3 - #5 reinforcing rods continuous or 24" wide x 4" deep reinforced with 6x610/10 WWM. Concrete mowing edge shall conform to new final grade with 4" drain holes on lower side piped to existing ditch 20' on center or as directed.

SOIL AMENDMENTS

Bagged soil amendments shall be evenly distributed on the field by spacing bags as called for prior to opening and evenly spread by mechanical means. Bulk soil amendments shall be evenly distributed by means of a mechanical spreader, top dresser, or laser leveling prior to and after distribution of material.

BLEND SOIL PROFILE

After completion of distribution of soil amendments and or laser leveling subgrade, the soil profile shall be completely and uniformly blended to a depth of 8". Tilling of the soil profile shall be done in a minimum of three directions to insure uniformity.

FINAL GRADE

The final field grade shall be laser leveled and rolled to plus or minus 1/4" by use of a Dual Laser controlled pull box and dual slope or cone laser, GPS controlled equipment will not be allowed. The final grade shall be irrigated with a minimum of 2" of water over a 48 hour period. After the field is allowed to dry sufficiently to provide a stable surface it shall be laser leveled if necessary to bring field to +- 1/4" then floated by mechanical means and finally drug with a drag mat to remove any and all tire tracks and wind rows left during the leveling process. Removal of any foreign material at this time is essential.

SOD INSTALLATION

The turf grass sod shall be Certified Tifway 419 Bermuda as certified by the Southern Seed Certification Association, Inc. Auburn, Alabama, or as specified. The supplied turf grass sod shall have been consistently grown on a sandy loam soil and maintained at a maximum mowing height of 1". The turf grass sod shall be harvested with a minimum of 1/2" of soil consistent among all rolls. The turf grass sod shall be harvested in 42" rolls and delivered intact to the job site on or about date to be set, with harvesting and delivery within 16 hours. Turf grass shall be available for inspection four and two weeks prior to harvesting by the Owner and may be rejected without cause prior. Any turf grass sod arriving on site in poor condition shall be rejected by the Owner.

A pre-plant fertilizer (24-8-16) shall be broadcast prior to laying of any sod at a rate of 4 pounds per 1,000 square feet. The turf grass sod shall be installed within 4 hours of delivery and watered within 15 minutes of being laid. All sod shall be laid in straight lines perpendicular to the crown of the field. All seams shall be tight and without overlap.

After completion of installation of sod each day, all remnants shall be entirely removed and any voids or rejected sod shall be replaced. The newly laid sod shall be repeatedly rolled to remove any air pockets, tire tracks and to put sod in good contact with soil prior to first irrigation cycle if weather conditions permit. Irrigation shall follow immediately, and run in repeat cycles until total saturation of sod is achieved. Sod shall remain wet, to the point of run off for a minimum of three days or until such time as the sod has developed a least 1" roots.

When the sod has developed consistent 1" roots it shall be slowly dried over two days so that it may be rolled by a tractor pulled 72" - 84" roller weighing a minimum of 3,500 lbs. in 2 perpendicular directions. Prior to rolling all rejected sod shall be replaced and any and all cracks filled with sod and sanded.

Within two weeks of the sod being laid it should be fertilized with 6 pounds per 1,000 square feet of "Nature Safe" 17-02-06 organic fertilizer.

Mowing at 3/4" and re-rolling shall follow as soon as sod shows top leaf growth. Aerification and top dressing should begin as soon as possible.

FIELD MAINTENANCE

The Contractor shall be responsible for all maintenance commencing with the first day of construction and continuing for 30 days beyond final acceptance or as directed by owner. Maintenance shall be consistent with the following guidelines.

MOWING

A comprehensive overall turf program starts with proper mowing on a regular basis. Recommended mowing occurs when the grass clippings removed are no more than 1/3 of the mowing height. But, in any case not less than twice weekly during the growing season (12 months for over seeded turf). The use of a high quality, well maintained reel mower insures uniformity in cutting height and appearance.

Reel mower shall be as manufactured by Jacobsen, Toro, John Deere or equal. Mower shall have a minimum of 10 blade reels with grooved front rollers and grass catchers. Reels shall be maintained on regular basis to insure a consistent cut. Cutting shall be adjusted to 5/8" cut May 15 - September 30 and raised to 1" cut October 1 - May 15. Visible grass clippings shall be immediately removed.

ROLLING

Rolling the field should be an integral part of keeping the playing surface as consistent as possible. Immediately following any event, the field should either be mowed or rolled to insure any roots that have been dislodged are put back in contact with the soil. Irrigation should also follow rolling as soon as possible. Rolling can also be used to remove excess water and dew from playing surface prior to an event.

A turf specific roller with a minimum roller weight of 3500 pounds and 72" - 84" x 30" diameter, pulled by a light duty tractor (25 - 30 HP) with high floatation turf tires, should be used.

WATER MANAGEMENT (IRRIGATION)

As important as all other aspects of quality turf management are, nothing is as critical as proper water management thru irrigation. Daily monitoring and proper applications of water insure that the turf moisture levels will be maintained at the optimum for plant growth as well as playability and player safety. Maintenance on the irrigation system will be done as needed.

Water management shall be done on a daily basis by an Irrigation Association Certified Irrigation Designer, Certified Contractor, Certified Irrigation Manager, or Certified Landscape Irrigation Auditor.

FERTILIZING

In order to maintain good color, density, winter hardiness and vigor, athletic turf must be fertilized with well-balanced well timed applications of fertilizer. Slow release as well as quick release forms must be used depending on the season and use of the fields. Applications will be made a minimum of six times a year with the exact fertilizer blend determined by soil sample analysis. Applications of Iron for improved color and winter hardiness will be applied as needed.

Fertilizer shall be broadcast by a cyclone type spreader in a minimum of two opposing directions to insure even distribution. Fertilizer shall be manufactured by Nature Safe, Lang Stegmann or equal. Applications shall be made at a minimum rate of 1 pound of Nitrogen by weight per 1,000 sf weekly from May 15 thru August 31. Alternating between a slow release and fast release.

DAMAGED TURF

Repair of damaged turf for a period of one year after final acceptance will be accomplished through sodding with 42" rolled Certified 419 Tifway Bermuda. The area to be sodded will first be prepared by light tilling and dragging to grade. A preplant fertilizer and pre emergence herbicide will be applied just prior to sodding.

All sod shall be Certified Tifway 419 Bermuda, as certified by the Southern Seed Certification Association, Inc., Auburn, Alabama, ONLY. Turf grass shall be consistently grown on a sandy loam soil, and maintained at a maximum mowing height of 1".

PH CONTROL

Liming or applying Sulfur on an as needed basis according to soil analysis recommendations. A minimum of 30 soil samples shall be taken and submitted for testing prior to work beginning, with PH control done prior to sodding.

COMPACTION CONTROL

Aerification with good core removal equipment to a depth of 3-4" will be done a minimum of 3 times a year (Spring, Summer, and Fall). Cores will be verticut and drug into the turf to help in leveling the fields and prevent layering of the soil profile.

Aerification shall be accomplished by use of a mechanical turf aerifier, as manufactured by Jacobsen, Toro, Ryan or equal. 5/8" core tines with a penetration of a minimum of 3" on 2" centers shall use to pull cores. Cores shall be redistributed on the field by use of a "Turf Float" as manufactured by Turfmate, finally being drug, and mowed-in with irrigation cycle to follow.

THATCH CONTROL

Verticutting will be done in conjunction with aerification and over seeding. Thatch control helps maintain good water absorption of the soil and helps prevent insect and disease development. Top dressing in combination with verticutting and aerification helps maintain a healthy soil profile for quality turf. An alternate to verticutting would be power sweeping with a "Sweepster broom" mounted to a tractor and mowed following sweeping.

Verticutting shall be accomplished by use of a fine cut flail mower set to a depth of 1/2" - 1/4" and run in a minimum of two directions.

WEED CONTROL

A split application of a Pre emergence herbicides (DIMENSION) will be applied to control unwanted grasses and broadleaf weeds in the spring and summer. A post emergence herbicide (Trimec + MSMA) will be applied as needed.

Spraying shall be accomplished using a fully calibrated sprayer that can apply an even distribution at a rate of ½ Gallon per 1,000 square feet. A spray log shall be maintained to include: chemical sprayed; rate of application; date and time applied; weather conditions; applicators name & address. Approval for all spraying shall be done so that re-entry on field is not compromised.

TURFPLANING

Provide all labor and equipment to complete the work of this Section based on the following.

Turfplaner to be manufactured by G2 turf tools, Inc. Decatur, Alabama model 0584 with 84" cutting width OR EQUAL.

Turfplane existing surface to a smooth and uniform grade as determined by the overall existing grade by removing 2" maximum per pass, using either Laser, Autograde, Autodepth or Manual Controls (as determined by site conditions).

Laser turfplane existing surface to a smooth and uniform grade as determined by the overall existing grade, and removing no more than 2" per pass, with resulting grade to be accurate to +/- 1/8" overall.

Turfplane existing surface to the desired grade making multiple passes.

Removal of all debris (spoils) to owner designated area within 500' of turfplanned area.

Provide Owner with comprehensive grow-in instructions.

TURF & GOLF IRRIGATION INSTALLATION

IRRIGATION DESIGN

A detailed Irrigation design, including head & valve location, main & lateral piping head coverage and wiring shall be supplied by the contractor at no cost to the owner for

any anticipated project. The plan shall be supplied in AutoCAD format on thumb drive for distribution to all parties and shall also include a detailed material list, projected construction cost, and construction & maintenance schedule.

CONTRACTOR'S UNDERSTANDING

By submitting a bid proposal, it is understood and agreed by the contractor that he has, by careful examination of the proposed site, satisfied himself as to the nature and location of the work, the conformity of the ground, the character, quality and quantity of materials to be used, the character of the equipment, and facilities incidental to the completion of the work, the general and local conditions, and any other matters which may in any way affect the work under this contract. The contract shall not be affected or modified nor shall any of its terms or obligations be affected or modified by verbal agreement or conversation with any officer, agent or employee of owner, either before, during, or after the execution of this contract.

ORDINANCES, REGULATIONS, CODES, PERMITS, & INSPECTIONS

A contractor is obligated to follow all regulations, ordinances, and codes governing the type of work he is doing on the job site. Any permits that are needed for the installation or construction of any work included under this contract, which are required by the authorities of jurisdiction, shall be obtained by the contractor and paid for by the Owner, following whatever ordinances, regulations, and codes requiring the permits. If the authorities of the jurisdiction require inspection at said points of the installation the contractor shall arrange for, and be present at, any such inspections.

Any additional work required due to inspection by the authorities of jurisdiction shall be furnished at no cost to the owner.

In the event that the specifications for this project and existing ordinances, regulations, or codes are in conflict, the conflict shall be noted in writing by the contractor to the owner's representative, and any necessary changes in work shall follow the previously established procedure for claims for extra compensation.

SUPERVISION

The contractor shall provide a competent superintendent and any necessary assistants on the project when work is in progress. The superintendent shall not be changed during the project without consent of the owner's representative unless the superintendent ceases his status as an employee of the contractor. The superintendent shall represent the contractor in the contractor's absence, and all directions given to him by the owner's representative shall be binding as if they were given to the contractor.

The contractor's superintendent shall supervise the contractor's employees on the job site and be responsible for their actions and conduct on the job site.

WAGE LAWS, TAXES, INSURANCE, & SAFETY LAW

The contractor shall be bound by all existing wage laws, tax laws, insurance laws, and safety laws in the legal jurisdiction in which the site is located. The contractor is held to be an employer in his own right and must provide for his responsibilities as such.

In addition, the contractor shall maintain, during the life of this contract, a public liability insurance policy in the amount of not less than \$300,000 for injuries, including accidental death, to any one person and a minimum of \$500,000 for more than one person injured in one accident. Property damage shall be for a minimum of \$200,000 for one occurrence. All automobiles, trucks, and other vehicles which will be used on public streets or highways by the contractor shall be covered with liability insurance of not less than \$100,000 for any one person and not less than \$300,000 for more than one person injured in one accident.

All insurance policies shall have a non-cancellation clause providing for 10 days written notice to be given prior to cancellation. The owner shall furnish fire insurance in the amount necessary to sufficiently protect against any loss or damage in full until the project is complete.

The contractor shall be required to furnish to the owner's satisfactory proof of compliance in matters of insurance, taxes, and laws.

GUARANTEES

The work included under this contract shall be guaranteed by the contractor against all defects and malfunctions due to faulty workmanship for a period of one year from the date of final acceptance or grassing by the owner. Upon being informed by the owner of any defects or malfunctions in workmanship, the contractor shall effect all necessary repairs and/or replacements in a reasonably expedient manner at no additional cost to the owner.

Emergency repairs, when necessary, may be made by the owner without relieving the contractor of his guarantee obligation.

The contractor shall be obligated to repair any settling of backfilled trenches which may occur during the guarantee period. If the contractor does not respond to the owner's request for repair work within a period of 10 days, the owner may proceed with such necessary repairs and charge the contractor for all expenses incurred in the repair work.

EQUIPMENT, TOOLS, AND LABOR

The contractor shall provide and pay for all equipment, tools, and labor required for the installation of this project. All materials, utilities, transportation, and other facilities necessary for the execution and completion of the contract are the responsibility of the Owner.

AS-BUILT RECORD DRAWING

The contractor shall provide and keep up to date a complete set of as-built drawings which shall be corrected daily to show changes in sprinkler locations, controller location, pump locations, piping locations, and other deviations from the original irrigation design drawing. All isolation valve and electrical splice locations shall be shown with actual measurements to reference points so they may be located easily in the field.

Upon completion of the work, the contractor shall furnish the owner with a complete set of as-built drawings showing the complete irrigation system as installed. These Drawings shall be furnished as a hard copy as well as in Autocad 2000 format on CD. Controller Data sheets shall be furnished showing controller number, station number, location of each station and type of heads or valves. This is the responsibility of the contractor and shall not be construed to be the responsibility of any other party.

MATERIALS

All materials are to be furnished by the Owner and handled by the Contractor.

PROTECTION OF WORK AND PROPERTY

The contractor shall continuously maintain adequate protection of all his work from damage and shall protect the owner's property from injury or loss arising in connection with work on this contract. The contractor shall take care to avoid damage to any existing buildings, equipment, piping, pipe coverings, electrical systems, sewers, sidewalks, landscaping, grounds, above ground or underground installations or structures of any kind, and shall be held for any damage that does occur. Damage includes not only mechanical damage but from leaks in the irrigation system being installed by the contractor, whether through negligence or otherwise. The contractor shall adequately protect adjacent property as provided by law and shall provide and maintain all passageways, guard fences, lights and other facilities for protection required by the Public Authority for local conditions. The contractor shall securely cover all openings into the section of the system he is working on and components of the system as it is being installed to prevent obstructions in the pipe and the breakage, misuse, or disfigurement of the equipment.

LANDS FOR MATERIAL STORAGE

The owner shall provide a specific area in which all material to be used on the project shall be stored when not in use. The land may include a covered shed or building which the contractor may also use. Provision of this land is for the purpose of keeping the property neat and orderly and in no way waives any requirements of the contractor to protect his equipment and materials from damage by the elements or from theft or vandalism. The contractor has the right to erect temporary construction facilities for storage and protection of his materials and equipment on the lands set aside by the owner for materials storage.

HANDLING OF MATERIALS

The contractor shall be responsible for correct procedures in on-site loading, unloading, stacking, transporting, and handling all materials to be used in the system. The contractor shall avoid rough handling which could affect the useful life of equipment. Pipe shall be handled in accordance with the manufacturer's recommendations on loading, unloading and storage.

CLEANING PREMISES

The contractor shall continuously keep a neat and orderly area in which he is installing the system. Disposal of rubbish and waste material resulting from the installation shall be continual.

INSPECTION OF WORK IN PROGRESS

The owner's authorized representative shall be responsible for inspection of the contractor's work while such work is in progress. A representative may bring to the attention of the contractor any work which does not meet the specifications of this contract and the contractor shall correct such work as brought to his attention.

STAKING OF SPRINKLER LOCATION

Staking of sprinkler locations shall be done by the contractor and approved by the owner's representative.

EXCAVATION

All excavation shall be unclassified and shall include all materials encountered except materials which cannot be excavated by normal mechanical trenching excavation means. Such exceptions shall be brought to the attention of the owner's representative and an adjustment in price shall be agreed upon before excavation of these areas proceeds. Such price adjustments and agreement shall include responsibility for disposal of the unsuitable materials removed from the trench and the acquiring of additional backfill material. The minimum depth of cover over piping 4"

and larger shall be 24". The minimum depth of cover over piping 3" and smaller shall be 18".

Backfill material shall be free from rocks, large stones, and other unsuitable substances which could damage the pipe or create unusual settling problems.

If trenching is necessitated through existing asphalt roadways, the contractor shall cut the asphalt to the width of the trench prior to trenching. Removal of cut asphalt and replacement of all asphalt shall be the responsibility of the Owner.

The contractor shall exercise reasonable care to avoid causing damage to any and all underground utilities and structures. The owner shall advise the contractor of any underground utilities or structures of which he is aware. Utility locating services shall be called upon to pinpoint location of any underground utilities on the site of the project by the Owner.

TRENCH COMPACTION

All trenches and excavations shall be completely compacted to prevent settling by using as a minimum a Vermeer TC-4 Tamping Machine and tamped in no less than two lifts of no more than 12". The Contractor shall be responsible for any and all settling of ditches for a period of one year. The Contractor shall also be responsible for all material, including sod and sand to correct any settling. The Owner may request the Contractor to remove or re-sod any repaired areas at the Contractor's expense.

INSTALLATION OF SYSTEM MAIN

Installation of the system main shall be in accordance with the manufacturer's instructions and shall proceed from the point of connection of supply for the system pumping station, reservoir, or existing line. Concrete thrust blocks shall be installed at any directional change or tee in the pipeline in accordance with pipe manufacturer's instruction.

INSTALLATION OF LATERAL LINES

Lateral pipes and fittings shall be installed in accordance with the manufacturer's recommendations, including the snaking-in of PVC pipe to prevent excessive strain when contracting in cold weather.

SPRINKLER HEADS

All sprinklers shall be installed on swing joints (exception spray heads). The sprinkler head shall be installed so that the top is flush with finished grade level or as directed by the Owner's representative. Back fill around the swing joint and sprinkler riser shall be free of large rocks, roots, or foreign debris and compacted as to avoid settling.

INSTALLATION OF PUMP STATIONS

Installation of pump stations shall be in accordance with the drawings and specifications of the pump station manufacturer. Power service to the pump station panel shall be provided by the owner. Final set-up, start-up, and balancing of control valves shall be provided by pump station manufacturer.

ELECTRIC CONTROL WIRES

All control wires shall be installed in a neat and orderly fashion and may be installed either in the main and lateral trenching or in their own separate trench. The wires shall be placed together. Control wire connections shall be made with approved 3M DBY & DBR connectors.

SYSTEM GROUND

A system ground shall be installed using a continuous #6 bare copper ground wire in conjunction with the required power wire to each controller. This #6 bare copper wire shall also be continuous in all main line pipe ditches. All main line pipe isolation valves shall be connected to the ground system by removing one bolt and looping the #6 ground wire around the bolt and refastening. Also at each isolation valve and splice in the ground wire a 8' copper clad ground rod shall be driven and connected to the ground system. All ground rods should be noted on the as-built plans.

CONTROL EQUIPMENT

All automatic valves and controllers shall be installed following the recommendations of the manufacturer of said equipment and, more specifically, in accordance with the detailed drawings accompanying this contract. The location of all controllers shall be approved by the owner's representative before the actual installation of said controllers.

QUICK COUPLING VALVES

All quick coupling valves shall be mounted on swing joints and clamped to a 1" x 1" x 24" steel stake and located as shown on the drawings.

VALVE BOXES, DRAINS, ETC.

All valve boxes, drain boxes, or any other miscellaneous marker or access box shall be installed so the top of said structure is at finished grade by the Owner following grow-in. Until such time all valve sleeves shall extend a minimum of 12" above grade and there location clearly marked by the Contractor.

TESTING SYSTEM

Upon completion of the irrigation system and after time is allowed for solvent weld joints and thrust blocks to cure, the entire system shall be tested for proper operation by the contractor.

BALANCING AND ADJUSTMENT

The contractor shall balance and adjust the various components of the sprinkler system so the over-all operation of the system is most efficient. This includes a synchronization of the controllers, adjustments on the controllers. The contractor has the right to call in the designer or owner's representative to aid in the balancing and adjustment of the system.

NOTICE OF COMPLETION

When the contractor is satisfied that the system is operating properly, that it is balanced and adjusted, that all work and cleanup is completed, he shall issue the notice of completion to the owner's authorized representative. The notice of completion shall include the request for final inspection with date and time given.

FINAL INSPECTION WITH OWNER'S REPRESENTATIVE

The owner's representative will respond to the notice of completion by the contractor and shall appear at the given time for a tour of the project with the purpose of making it the final inspection. Any inconsistencies to the specifications shall be noted by the owner's representative and a written copy of corrections shall be given to the contractor.

ACCEPTANCE OF THE SYSTEM

The owner may accept the system even though the corrections on the final inspection have not been made by the contractor. In such a case, there will be deductions for the uncompleted or uncorrected work based on previous provisions of these specifications. Such deductions shall be made from the final payment.

AS-BUILT PLAN ACCEPTANCE

Acceptance of the system is based on the furnishing by the contractor of a completed as-built plan, disks and Controller Data sheets which are acceptable to the owner or owner's representative.

TRAINING OF MAINTENANCE PERSONNEL IN OPERATION AND MAINTENANCE OF SYSTEM

The contractor's responsibility of training maintenance personnel in the operation and maintenance of the system, as outlined in a previous section of these specifications, shall not be waived due to acceptance of the system. If this responsibility is not fulfilled, the cost of obtaining this training by the owner shall be shown as a deduction in the final payment. Training of maintenance personnel on the operation and maintenance of the pump station, controllers and central control system shall be the responsibility of the manufacture.

WARRANTY AND GUARANTEE CERTIFICATES

The contractor shall furnish a certificate of warranty registration and a guarantee of work for a one-year period from date of final acceptance of the system. Final payment for the system shall not be made unless this certification is presented to the owner.

**CITY OF DECATUR, ALABAMA
Contractor Pre-qualification Form (PQF)**

This form must returned in your sealed bid submission

Safety Health and Environmental (FOR CONTRACTORS AND MAJOR SUPPLIERS)			
GENERAL INFORMATION			
1. Company Name:		Telephone:	
Street Address:		Mailing Address:	
2. Contact for Insurance Information (Name):			
Title:		Telephone:	Fax:
3. PQF Completed By (Name):			
Title:		Telephone:	Fax:
ORGANIZATION			
4. Project Description:			
SAFETY, HEALTH & ENVIRONMENTAL PERFORMANCE			
5. Injury & Illness Stats (Year) (Year) (Year)			
(previous 3 years)			
Total Recordable Incidents:	_____	_____	_____
Fatalities:	_____	_____	_____
6. Has your company received any Citations, Notice of Violations, or other penalties relative to safety, health, or environmental within the last three years?			
Yes_____ No_____			
If Yes, please provide detailed explanation.			

7. Does your organization have a “Drug Free Workplace Policy” and/or Program?

Yes No

8. Does your organization have an Accident/Incident Reporting and Investigation procedure?

Yes No

9. Do you have a Safety Orientation Program?

Yes No

10. Do you conduct field safety inspections?

Yes No

11. Do you conduct Safety Meetings?

Yes No

12. Company Safety Health and Environmental contact:

Name: _____

Title: _____

Address: _____

Phone Number: Mobile _____

Office _____

Email Address: _____

ALABAMA GENERAL CONTRACTOR'S LICENSE (include copy):

Contractors Number: _____

Classifications: _____

Bid Limit: _____

CERTIFICATIONS (include copy of certifications):

___ IA Certified Contractor

___ IA Certified Designer

___ IA Certified Landscape Auditor

___ Rainbird MAXI Training (level I, II, III, IV)

___ Rainbird MAXICOM Training (programmer, installer)

ATHLETIC FIELDS COMPLETED PAST 5 YEARS:

(Attach list min. 5, include job names, address, scope of work, date completed, contact person; address , phone number, fax number, email address)

ATHLETIC FIELD MAINTENANCE IN PROGRESS:

(Attach list min. 1, include job name, address, scope of work, date maintenance started, contact person; address, phone number, fax number, email address)

IRRIGATION SYSTEMS COMPERABLE INSTALLED IN PAST 3 YEARS:

(Attach list min. 5, include job names, address, scope of work, date completed, contact person; address, phone number, fax number, email address)

ATTACH LIST OF PROPOSED EQUIPMENT TO BE USED FOR ALL ASPECTS OF CONTRUCTION AND MAINTENANCE.

13. Company Representative:

Signature_____

Date_____

Bid Document Checklist

Items Required	Submission Requirements Check Sheet X = REQUIRED; BLANK=NOT REQUIRED	Items Submitted (Bidders Initials)
X	Envelope Sealed and Marked w/bid # on front	
X	Statement of Non-Collusion Enclosed-front Page	
X	Original Signatures (in ink)	
X	Bid Bond or Check	
	Addendum	
X	E-Verify form	
X	Proof of Insurance	
X	Price Sheet Information Included	
	References	
	Catalog	
X	Send in on or before given time	
X	Business License (if awarded the bid)	
X	Contractor Pre-Qualifications form	

PLEASE CALL OR EMAIL THE PURCHASING DEPT IF YOU HAVE ANY QUESTIONS ABOUT THE BID REQUIREMENTS (256) [341-4522](tel:341-4522) OR EMAIL PURCHASING@DECATUR-AL.GOV