



**REQUEST FOR BIDS**  
**Public Works Contract**  
**SPECIFICATIONS FOR YOUTH FOOTBALL FIELD**

DATE OF RELEASE: October 8, 2013 at 8:00 am (cst)  
DATE OF CLOSING: October 21, 2013 at 4:30 pm (cst)  
RFB ID: 1008201301

**STATEMENT OF PURPOSE:**

The City of Helena, Alabama is hereby posting this Request for Bid for the construction of a youth football field located at the Helena Sports Complex. The City of Helena will consider bid packages from qualified contractors. Any firm or bid package which is found not in compliance with the RFB specifications and requirements will be disqualified from the bid. Bids shall be sealed and delivered to the office of the City Clerk located at 816 Highway 52 East, Helena, AL 35080 or mailed to P.O. Box 613, Helena, AL 35080 no later than 4:30 pm (cst), October 21, 2013. All bids must comply with Alabama State Law, including but not limited to, Ala.Code (1975) 41-16-50 et seq. and 31-13-9 et seq. and provide documentation of enrollment in the E-Verify Program pursuant to Ala. Code 31-13-9. All bid information must be typed or printed in black ink. Bids shall be clearly marked "sealed bid", along with the bid name, number, and date of opening listed on the outside of the bid package.

**SCOPE OF SERVICES:**

Bid is to include labor, material and equipment to construct a youth football field, 40 yards x 100 yards playing surface as specified below. Bid to include alternates for the following: construction of a Press Box/Storage building; build out of restrooms, fencing, bleachers, and goal posts.

## **SPECIFICATIONS.**

### **ATHLETIC TURF**

#### **PART 1 -GENERAL**

##### **1.1 DESCRIPTION OF WORK:**

**A.** General: The work to be performed under the division of this contract shall consist of all labor, materials, tools, equipment and perform all work and operations necessary for the complete construction of a topsoil based athletic playing field.

1. Site work to establish sub-grade.
2. Laser grading of sub-grade.
3. Installation of topsoil mix profile.
4. Installation of irrigation.
5. Laser grading of finish grade.
6. Installation of rolled Bermuda grass sod.

**B.** The Contractor shall verify that the sub-grade is in satisfactory condition and at proper elevation prior to beginning work on this section.

**C.** Field area will be marked with corner stakes and crown staked with finished elevation.

##### **1.2 QUALITY ASSURANCE:**

**A.** The project specified herein consists of major construction for the development of natural turf athletic fields. Time requirements for the completion of work are of the essence. Work specified herein requires expertise in several diverse specialty areas of construction including agronomy and turf management.

**B.** Avoid damage to fencing, irrigation system, and any other structure

##### **1.3 SUBMITTAL:**

**A.** Construction schedule: Submit proposed construction schedule, indicating dates for each activity.

**B.** Written grow in and maintenance guidelines.

- C.** Topsoil mix for root zone as specified in 2.1 Laboratory Testing
- D.** Contractor is to confirm that the sod is acceptable to meet all criteria in the contract.

#### **1.4 DELIVERY, STORAGE AND HANDLING:**

- A.** Sod: Deliver sod so that it will be planted within 24 hours of harvesting to avoid sod drying out.

#### **1.5 JOB CONDITIONS:**

- A.** Existing Conditions: Plant turf only after all sub-grade, top soil and irrigation system have been installed and approved by Owner.
- B.** Protection: Restrict all foot and vehicular traffic from planted areas after planting until end of establishment period.

#### **1.6 WARRANTY:**

- A.** Work executed under this contract shall be guaranteed for not less than one year. Guarantee period shall begin upon date of completion of planting operations.
- B.** After 30 day establishment period, Owner will be responsible for grow in and maintenance.
- C.** Turf: At the end of the 30 day establishment period, the owner or his Representative will inspect the fields and notify the contractor to re-grass any areas larger than 2" square.

### **PART 2- PRODUCTS:**

#### **2.1 LABORATORY TESTING:**

- A.** All topsoil mix, submitted for this project, shall be tested and approved, for project suitability, by a Certified Testing Laboratory. Laboratory must have a minimum of ten year's experience testing for natural turf athletic fields. All testing of materials shall be paid for by the Contractor.

## **2.2 ROOT ZONE MIX:**

- A.** A mixture of non-compactable materials composed of sand, topsoil, and soil conditioners shall be incorporated into the top 3" of the root zone. The root zone mix shall be amended as necessary to provide a proper fertilization pH between 6.0 and 7.0.
- B.** Root zone mixture shall be cleaned of and free of all deleterious materials defined therein. Growing media shall be free of noxious weeds, seeds, grasses, plants, roots, branches, sticks, extraneous matter and any substance harmful to plant growth. Growing media found to contain any of these materials shall be chemically or mechanically treated to the satisfaction of the Owner.
- C.** Alternate topsoil root zone mixes will be considered by Owner for approval, provided the testing data confirms work tolerances.

## **2.3 BERMUDA GRASS TURF:**

- A.** Bermuda grass shall be Certified "Tifton 419" solid sod. Certification shall be by an Accredited State Turf Certification agency. Sod shall be identified, reserved and maintained on the Contractor's chosen sod farm and shall be grown for athletic turf. Sod shall be in a healthy condition and certified free of disease, nematodes, pests and pest larvae.

## **2.4 FERTILIZER:**

- A.** Pre-planting fertilizer shall be incorporated according to the soil test recommendations.
- B.** At time of planting provide a complete commercial fertilizer with the following ratio of 10-10-10 (Nitrogen, Phosphoric Acid and Potash respectively. Fifty (50) percent of the Nitrogen shall be derived from natural organic sources or ureaform and shall be uniform in composition, free flowing and suitable for application by machine. Deliver in standard size, unopened containers showing weight, analysis and name of the manufacturer.
- C.** Fertilizer shall comply with current State of Alabama regulations.

## 2.5 GRADING:

- A.** Total area to be disturbed shall be less than 1 acre.
- B.** Area to be rough graded shall be no larger than 320 ft. x 120 ft. (38,400 square feet).
- C.** Field area shall be free of debris and ready for grading with any spoils to be wasted on site.
- D.** Initial rough grade shall be established using fill dirt free of large debris. Fill dirt cannot have wood or roots and cannot have hard debris greater than 6" in diameter. Rough grade shall establish crown of field to establish 2% positive drainage from center crown to edges of playing surface.
- E.** Laser grading to be done to establish sub-grade to a tolerance of +/- 0.1'.
- F.** Topsoil mix shall be installed atop of sub-grade to an average depth of 3".
- G.** Laser grading shall be done to establish finish grade to a tolerance of +/- 0.1' once irrigation has been installed.
- H.** The Owner will inspect and check the variations and uniformity of the finish grade and request Contractor to correct any deficiencies until they meet the requirements of the specifications. Prior to final acceptance, Contractor shall certify that finish grade conforms to the specifications contained herein.

## 2.6 IRRIGATION

A. The irrigation system shall be as follows:

1. 60 PSI Min
2. 50 GPM Min
3. 7 Zones
4. 4 heads per zone with #10 nozzles
5. Rain Bird System with Falcon #6504 Rotors and Rain Bird 1 ½ PGA Valves or equivalent. If quoting an equivalent system, please provide complete specifications.
6. 2" tap to run to a tap to be provided by the City of Helena not to exceed 200'.

## **2.7 BERMUDA GRASS TURF:**

- A.** Prior to planting, the irrigation system should be installed and shown to be in proper working order. When the sod is planted, it is essential that it receives adequate irrigation to prevent drying out and to maintain moisture in the soil profile so the new root system can develop.
- B.** Tifton 419 solid sod rolls shall be mechanically planted on playing surface with the appropriate track machine or 4 wheel drive tractor equipped with high flotation turf tires.
- C.** Install sod as soon as possible after harvesting.
- D.** After sod is installed, area shall be rolled to ensure firm contact and top dressed if necessary.
- E.** Sod shall be installed between October 1 and December 31, unless otherwise approved by Owner or its representative. No sod shall be laid when ground surface is muddy, unless otherwise approved by Owner or its representative.
- F.** Erect temporary barricade and warning signs as necessary to prevent any vehicular or heavy pedestrian traffic.
- G.** After the sod begins to grow and spread, additional fertilization will be applied to the surface. Rate and frequency of application is best determined on-site and during the actual operation, but in general, a rate of ½ pound of actual nitrogen per 1,000 square feet on a 7-10 day schedule is optimum. As the grass grows in, attention must be given to the surfaces to locate and eliminate small “bird-baths” or depressions in the surface which may accumulate and hold water. There will be little downward percolation of water through the surface, so Contractor will be sure that the surface is smooth and without appreciable depressions. Depressions can be corrected best by a top dressing with sand used for field modification. This material should be put on in a thin layer and dragged into the turf. Never put enough sand to cover the turf completely and exclude light. If depressions are still a problem after the grass grows through the sand layer, the operation is repeated.

**END OF ATHLETIC TURF**

## **ALTERNATE #1 – PRESS BOX/STORAGE**

Bid to include the labor, materials, and equipment to construct a press box/storage building, location to be determined by the City of Helena.

- Structure to be 16'x20'
- Concrete slab constructed of 3000 psi, typical monolithic slab.
- 2x4 stud wall construction, with ½" plywood or OSB sheathing,
- 2 stories, 8' ceilings both floors
- 2x10 flooring system with ¾" t&g plywood decking glued and nailed
- House wrap and window wrap
- (2) 2'x4' tempered windows
- (2) rough openings for field view
- Green 5v metal roof to match existing roof color and design that already exists at Sports Complex, 4/12 gable roof with ½" decking and #15 roof felt paper on 2 x 6 ceiling joists and rafters
- 5/16" sheathing with "James Hardi" 8 inch lap siding, faux wood pattern, primed ready for paint
- Plumbing shall be stubbed for male and female restrooms to meet handicap accessibility standards.

## **ALTERNATE #2 – BUILD OUT OF RESTROOMS**

Build out of ADA compliant men's and women's restrooms to include:

Men's: One stall, two urinals, two sinks

Women's: Two stalls, two sinks.

## **ALTERNATE #3 – FENCING**

Labor and materials for the installation for 4' galvanized chain link fence approximately 1000 l.f. to include (2) vehicle gates at each end zone, and (2) pedestrian gates.

## **ALTERNATE #4 – BLEACHERS**

Aluminum bleachers, 5 tier, to seat a maximum of 1000 people.

## **ALTERNATE #5 – GOAL POSTS**

Labor and materials for the installation of goal posts as follows:

Cross arm 23'4" wide x 4 ½" Sch. 40 steel pipe

Uprights – 20' x 4" steel tubing (30 feet off ground)

Main post 10' high with 54" offset x 5 9/16 inch od.

Goal is to be painted white with padding to be designated at a later date.

## **BID RESPONSE CONTENT.**

Each bid must use the following format, providing a response to each line item, and include attachments within their bid package.

## **QUALIFICATIONS OF CONTRACTOR.**

1. Bids in excess of \$50,000 will be subject to the bid requirements applicable to Public Works Contracts, which requires a bid bond of not less than 5% of the estimated cost or of the amount bid, but not to exceed \$10,000. In addition, the winning bidder must furnish a performance bond in amount of 100% of the contract price and a payment bond in the amount of 50% of the contract price.
2. Licensed as required by Title 34, Chapter 8, Code of Alabama, 1975;
3. Provide copy of Alabama General Contractors License.
4. Able to provide a Certificate of Insurance for Comprehensive General Liability, Comprehensive Auto, and Workman's Compensation and the ability to maintain in full force and effect during the entire contract period. Liability limits should be no less than \$1,000,000.00

## **BID QUALIFICATIONS:**

Please provide confirmation and a response to each item listed below.

Statement of qualifications and experience

Number of years engaged in business.

Fully describe your company and experiences.

History of successful and stable company operation for a period of at least (1) year.

List of past and present contracts similar to this RFP within the State of Alabama.

Include names and qualifications of personnel to be assigned to managing this proposed agreement.

The firm is currently licensed, insured, and authorized to conduct business in the City of Helena, Shelby County, and the State of Alabama.

Please attach a copy of all licenses and insurance.

Any questions may be addressed to City of Helena Building Inspector, George Pickle at 368-5484.

**SUBMISSION.**

Bid packages shall be sealed with (1) master copy and (6) additional copies, and delivered to:

**The City of Helena**  
**ATTN: Amanda Traywick, City Clerk**  
**816 Highway 52 East, Helena, AL 35080**

All bid proposals must be received no later than the posted deadline of October 21, 2013, at 4:30pm (cst). Bid packages submitted after the posted date and time will not be accepted. Bid packages must be sealed and clearly marked with the Bid #, title, and the date of bid opening. Proposals may not be withdrawn for a period of (30) days after the closing date. The City of Helena reserves the right to reject any and all bids.

***Please insure that each item is included within your bid package. Failure to provide a complete package of submittals may result in disqualification from the bid process.***

\_\_\_\_\_  
Business Name

\_\_\_\_\_  
Authorized Business Representative Name (Print)

\_\_\_\_\_  
Authorized Business Representative Signature

\_\_\_\_/\_\_\_\_/\_\_\_\_  
Date of Submission



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**Bid Submission:**

Contractor: \_\_\_\_\_

Construction of Youth Football Field: \$ \_\_\_\_\_

Alternate #1 – Press Box/Storage Building Construction: \$ \_\_\_\_\_

Alternate #2 – Build Out of Restrooms \$ \_\_\_\_\_

Alternate #3 – Fencing \$ \_\_\_\_\_

Alternate #4 – Bleachers \$ \_\_\_\_\_

Alternate #5 – Goal Posts \$ \_\_\_\_\_

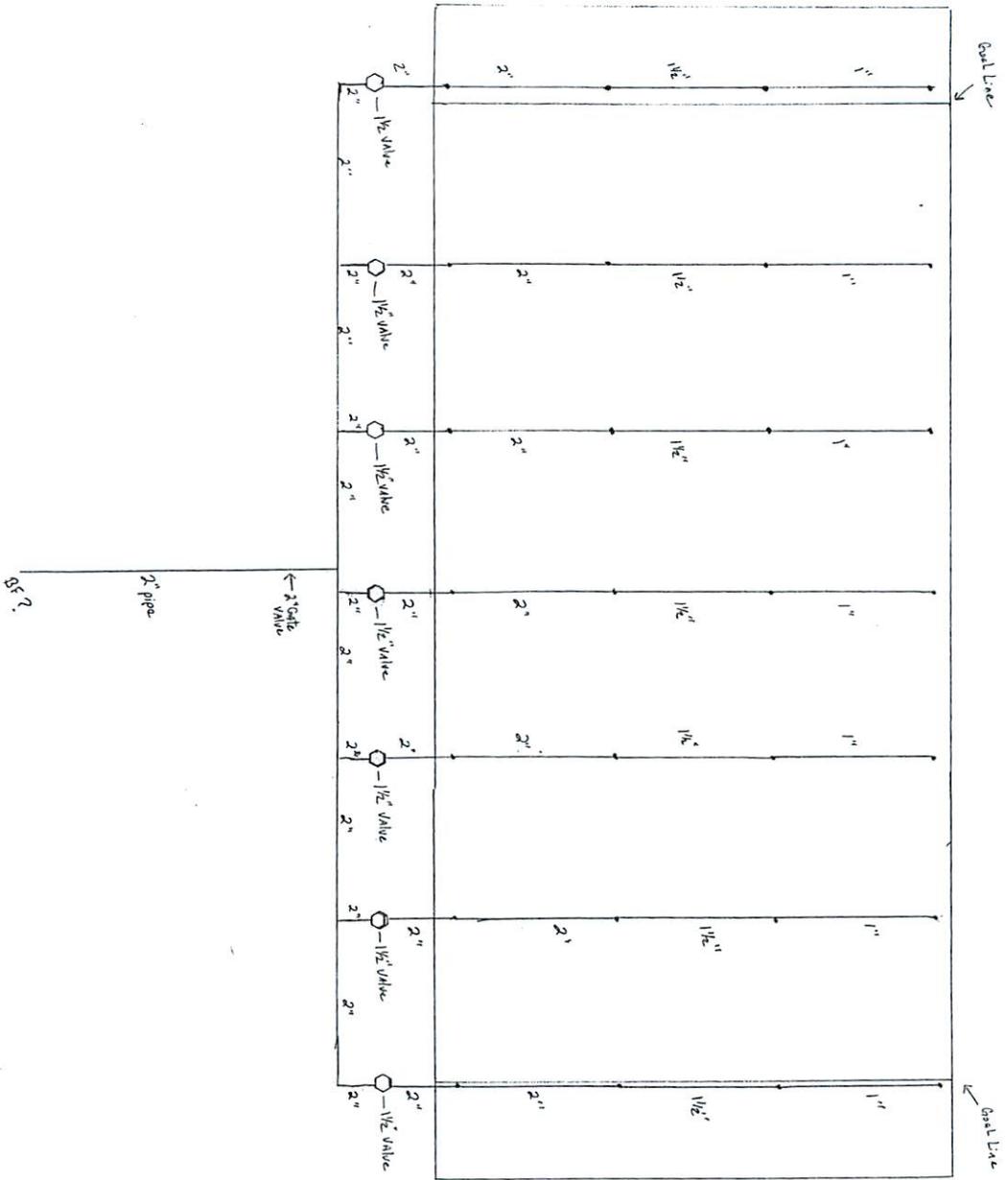
\_\_\_\_\_  
Business Name

\_\_\_\_\_  
Authorized Business Representative Name (Print)

\_\_\_\_\_  
Authorized Business Representative Signature

\_\_\_\_/\_\_\_\_/\_\_\_\_  
Date of Submission

# Proposed Irrigation Plan - Not to Scale



Design AT  
 60 PSI MIN  
 50 GPM MIN  
 7 ZONES  
 4 heads per zone  
 w/ 1/2" nozzles  
 use Rain Bird  
 Filcon 650V Rotors  
 Rain Gird 1/2" PGM  
 VALVES

DATE	
DESIGN	
JOB	
SCALE	
01	

