

**PROJECT MANUAL FOR
THE CONSTRUCTION OF**

VOLUME 1 OF 2

**BIDDING REQUIREMENTS, CONTRACT FORMS
AND CONDITIONS OF THE CONTRACT**

**FREEDOM PARK GIRLS SOFTBALL FIELDS
MACON, GEORGIA**

OWNER:

MACON-BIBB COUNTY RECREATION DEPARTMENT

LANDSCAPE ARCHITECTURE

MACK CAIN STUDIO AT TRAVIS PRUITT & ASSOCIATES - NORCROSS
MACK CAIN: MACK@MACKCAIN.COM

CIVIL ENGINEER

CARTER & SLOOPE CONSULTING ENGINEERS – MACON
MACON, GEORGIA

ARCHITECTURE

SIZEMORE GROUP
1700 COMMERCE DRIVE
ATLANTA, GEORGIA 30018
404-605-0690

STRUCTURAL ENGINEERING

FORESITE GROUP NORCROSS
NORCROSS, GEORGIA

MEP ENGINEERING

NBP ENGINEERS- MACON
MACON, GEORGIA

DOOR HARDWARE SPECIFICATIONS

PHILLIPS LANGLEY & ASSOCIATES
SUWANNEE, GEORGIA

SPECIFICATION CONSULTANT:

SPIKER BALDWIN ASSOCIATES, INC.
DECATUR, GEORGIA

RELEASED FOR CONSTRUCTION

JANUARY 9, 2017

VOLUME 1 OF 2
TABLE OF CONTENTS

INTRODUCTORY INFORMATION

Document 00 0101	Project Title Page
Document 00 0110	Table of Contents

DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS

00 1116	Notice to Bidders
00 2116	Supplementary Instructions to Bidders
00 4113	Bid Form
00 4373	Construction Schedule of Values
	Construction Bid Items Schedule
	Lighting Fixture schedule
	Plant List Schedule
	Splash pad Item Schedule
00 7202	General Conditions
00 7300	Supplementary General Conditions
00 7350	Special Conditions

TECHNICAL SECTIONS

Refer to Volume 2 of 2

End of Table of Contents

NOTICE FOR BIDS

Freedom Park

Girls Softball Fields

Sealed bids will be received by the City of Macon, Georgia (OWNER) for furnishing all materials, labor, tool, equipment, and any other miscellaneous items necessary for the construction and replacement of the ball field fences, dugouts, backstops, bleacher roofs and associated items at North Macon Park in Macon, Georgia. The Project includes removal of the existing fences, dugouts, and backstops and replacing them with new chain link materials. Project includes fabrication of dugouts and roofs over the bleachers.

Sealed bids will be received at Macon/Bibb County Parks and Recreation Department at 150 Willie Smokie Glover Drive. **Jan. 30, 2017 at said office by 4:00 P.M.** publicly opened and read aloud. OWNER will not consider any bid received after said time and date of bid opening. Bid envelope must be marked on the outside with Project Name, name of Bidder and the date and time of opening. All bids will be evaluated by Owner. The award will be made to the lowest, responsive, responsible bidders on an evaluated bid basis.

The City of Macon/Bibb reserves the right to reject all bids. The Award of the bid is predicated upon the available funds, and the project will be awarded, if it is awarded, within 40 days of the bid opening.

There will be a pre bid conference on **Jan 10, 2017 at 10:00 A.M.** at the Recreation Center at North Macon Park. . All bidders are encouraged to attend this conference. Each proposal of bid must be accompanied by a cashier's check on a duly organized bank made payable to Macon/Bibb County Parks and Recreation Department, or a bidding bond executed by the bidder and a surety company authorized to transact business in the State of Georgia, in the sum of not less than five percent (5%) of the total amount of the bid. Said check or bond will be returned to the unsuccessful bidders as soon as the contract has been awarded, and to the successful bidder as soon as he has executed the contract and furnished the necessary bonds, same have been approved by the Owner and the Contract has been executed by the Owner.

The Client reserves the right to waive any informalities or to reject any or all bids, to evaluate bids and to accept any bid which in its opinion may be for the best interest of the Owner.

The Successful Bidder or Bidders for this contract will be required to furnish a satisfactory Performance Bond and Labor and Material Payment Bond in the full amount (100%) of the bid or proposal for each contract. Anticipated time for completion of the work of the project is (4) four months or less. Progress Payments to the Contractor or Construction Manager will be made monthly based on monthly submission of the itemized "AIA Document G702, Application and Certification for Payment" with a (10%) withholding in effect. The Information for Bidders, Bid Proposal Form, Form of Agreement, Drawings, Specifications, and Bid Form, **Construction Bid Items Schedule**,

Bid Bond, Performance Bond, Payment Bond, Bidders Qualifications Forms, and other Contract Documents may be examined at the following location:

Macon/Bibb Parks and Recreation Department,
150 Willie Smokie Glover Drive,
Macon, Georgia.

A complete set of printed plans and documents may be purchased for One Hundred Dollars (\$100.00) per set, non-refundable from Mack Cain Design Studio, a division of Travis Pruitt and Associates, 4317 Park Drive, Norcross, Georgia 30093, Office 770 416-7511 Fax 770 416-6759. Plans sent by Federal Express will be at an additional cost.

Bidders may also request electronic copies of the plans and documents at no cost to the bidder. Excel forms of the **Construction Bid Items Schedule**, Plant List, Fixture Schedules, and Bid Form available by contacting Mack Cain at mack@mackcain.com.

Attention of bidders is particularly called to the requirements as to conditions of employment to be observed and minimum wage rates to be paid on this project, and that the contractor, and all subcontractors must also comply with all Federal, State, and local requirements. Minority and Female owned firms are encouraged to participate in this project.

SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

1. Receipt and Opening of Proposals.

The Macon/Bibb County Parks and Recreation Department (hereinafter called the “Owner”) invites bids on the Bid Form included herewith for construction and replacement of the fences, dugouts, backstops and associated improvements at Freedom Park at 3301 Roff Avenue, Macon, Georgia, 31204.

2. Preparation of Bid:

Each bid must be prepared on the prescribed Construction Bid Schedule with all blank spaces for unit and total bid prices completed. The final total on the Bid Schedule will be transferred the Bid Form and completed with ink or typewritten in both words and figures.

The bid proposal must include:

- A. Bid Form
- B. **Construction Bid Item Schedule** completed
- C. List of Subcontractors
- D. Construction Time Schedule
- E. Bid Bond
- F. Performance Bond
- G. Payment Bond
- H. Federal Aid Certifications
 - 1. Equal Employment Opportunity
 - 2. Examination of Plans & Specifications
 - 3. Conflict of Interest
 - 4. Drug Free Workplace
 - 5. Non-Collusion Certification
 - 6. E-Verify form and number
 - 7. Acknowledgement of Receipt of Addendums

3. Subcontracts:

The Bidder is specifically advised that any person, firm, or other party to whom it is proposed to award a subcontract under this contract must be acceptable to the Owner. See conditions of Bid Form.

4. Method of Bidding:

The Owner invites the following bid(s): Total Lump Sum Bid Price with unit prices on the **Construction Bid Items Schedule**.

5. Qualifications of Bidder:

Contractor must be pre-qualified to bid over \$1,000,000.

6. Conditions of Work:

Each Bidder must inform himself fully of the conditions relating to the construction of the project. Failure to do so will not relieve a successful Bidder of their obligation to furnish all material necessary to carry out the provisions of the contract. Insofar as possible, the Contractor, in carrying out the work, must employ such methods or means as will not cause an interruption of, or interference with the work of any other Contractor. Each Bidder must visit the park site and examine the area affected. A complete site definition and scope is included in the Summary of Work section of the Project Manual.

The entire project occurs within the confines of Freedom Park. The plans have been approved by the Macon/Bibb County Parks and Recreation Department. The Contractor shall be expected to implement construction methods and procedures for constructing the work that does not infringe upon the rights of local citizens to use the park facilities that remain open during the construction. Access will be limited to the construction area and specified staging areas. The Contractor shall be responsible for any damage caused to adjacent park facilities or private property.

7. Addenda and Interpretations:

Interpretation of the meaning of the plans or other pre-bid documents can be made to any Bidder by fax memo or E-mail. All E-mail correspondences must be kept as a hard copy by Project Landscape Architect and Contractor on file.

Every request for such interpretation shall be made to:

Mack Cain RLA
Mack Cain Design Studio
4317 Park Drive Suite 400
Norcross, Georgia 30093
Office: 770 416-7511
Cell (678) 296-9898
Fax: (770) 416-6759 / 9242
E-mail: mack@mackcain.com

Any and all such interpretations and any supplemental instructions will be issued in the form of written addenda to the specifications which, if issued, will be faxed or emailed with return receipt requested to all prospective Bidders (at the respective addresses furnished for such purposes), not later than five (5) days prior

to the date fixed for the opening of the bids. Failure of any Bidder to receive any such addendum or interpretation shall not relieve such Bidder from any obligation under the bid as submitted. All addenda so issued shall become part of the bid documents.

8. Notice of General Conditions:

Attention is particularly called to those parts of the contract documents and specifications, which may be unique and deal with the following:

1. Staking requirement – Special Conditions, Paragraph 1.6.
2. Inspection of the site – General and Special Conditions.
3. Protection of certain specific trees on site
4. Removal, salvage and relocation of certain existing site items.
5. Lead time for benches, tables and bleachers.
6. Closing and Reconstruction of existing Morgan Road.
7. Sub-drain systems around the base lines.
8. Coordination of the Splash Pad construction with supplier
9. Bidding process that includes the **Construction Bid Items Schedule**.

9. Laws and Regulations:

The Bidder's attention is directed to the fact that all applicable State Law, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and will be deemed to be included in the contract as though herein written out in full.

10. Method of Award - Lowest Reliable Bidder:

If at the time this contract is to be awarded, the lowest reliable bid submitted by a responsible Bidder does not exceed the amount of funds then estimated by the Owner as available to finance the construction. The Low Bidder shall be designated on the base total bid only without alternates.

The awarding of the contract or rejection of all proposals will be made within 30 days after the formal opening of the proposals. Upon award, a detailed letter of instructions will be forwarded along with appropriate bid documents and schedules to the low Bidder. Bid form and schedule is provided.

11. Obligation of Bidder:

At the time of the opening of bids, each Bidder will be presumed to have inspected the site, to have read, and to be thoroughly familiar with the plans and contract documents (including all addenda and specifications). The failure or

omission of any Bidder to examine any form, instrument or document shall in no way relieve any Bidder from any obligation in respect to his bid.

12. Construction Bid Items Schedule:

The Contractor shall complete the enclosed Plant List, and Light Fixture Schedule to be added to the completed **Construction Bid Items Schedule** and **Bid Form** and **shall** include them as part of the bid submitted.

Unit prices may be used as a basis for negotiating additional or reduction of work, for items added, or deducted in part, or entirely, as the Owner may require, at the prices stated on the Construction Bid Items Schedule in order to reach the determined available budget for the project.

Project Mobilization shall be entered as a single line item as shown on the Construction Bid Items Schedule, as designated. Do not disperse amount within the various bid items. This will allow the contractor to request some payment in advance of starting the construction process.

Deductive alternates may be shown at the bottom of the Bid Form and may be selected by the Owner if the budget exceeds the funds allotted for the project.

Any Contractor not completing the entire **Bid Form and Construction Bid Item Schedule** shall be declared non-conforming and dropped from the bid process.

Excel versions of the Construction Bid Items Schedule are available through the project landscape architect at mack@mackcain.com.

13. Construction Budget

The construction documents of the project are designed to allow the Owner to make adjustments to the scope of work in order to keep the cost of the project within a pre-determined budget. Contained within the bid documents is a Construction Bid Schedule that identifies every item of the project by number, description, quantity, unit price and total price. The Contractor is required to submit the Construction Bid Schedule with Unit Prices and Total Prices for each Item of Construction. The accumulated total of these items shall represent the total Lump Sum Price.

The final total on the Construction Bid Form shall be transferred to the Bid Form and represent the contractor's total lump sum bid for the project construction.

14. License of Bidder:

All suppliers must be licensed Contractors in the State of Georgia and must supply evidence of their license with the bid.

15. Proposal Guaranty:

Each proposal must be accompanied by a Bid Bond, Cashier's Check, or Certified Check made payable to the Owner in an amount equaling not less than five percent of the amount bid. In the case of alternate items in the proposals, the amount of the Bid Bond or check must be in an amount equaling not less than five percent (5%) of the total amount of the bid based plus the alternates.

If the Bid Bond is offered as guaranty, the bond must be on the form furnished by the Owner and made by a surety company, qualified and authorized to transact business in the State of Georgia and must be acceptable to the Owner.

If a check is offered as guaranty, the check of the successful Bidder will be cashable at the discretion of the Owner, pending the satisfactory execution and acceptance of the contract and the contract bond.

16. Performance & Payment Bond:

If awarded the contract, the Contractor shall promptly furnish the Performance Bond and Payment Bond as approved by the County Attorney for the Macon/Bibb County Parks and Recreation Department, Macon, Georgia. "Failure to execute the Contract and file acceptable Bonds within fifteen (15) calendar days after the date of the letter transmitting the Contract to the Bidder shall be just cause for the cancellation of the Award and forfeiture of the Proposal Guaranty which shall become the property of the Owner, not as a penalty, but in liquidation of damages sustained

17. Time of Completion:

Contractor shall complete the work as described in the construction documents within **270 days (9 months)** from the date of the issuance of the Notice to Proceed.

Liquidated Damages I: Contractor must complete project within **270 days** in order to avoid liquidated damages. Contractor shall be assessed **\$250.00** per day beyond Substantial Completion.

18. Interim Completion Dates:

The Owner has not identified any interim completion dates for the project.

19. Confidentiality:

The completed Construction Bid Schedule shall be considered confidential and will not be made available to anyone except officials responsible for awarding the bids. Construction Bid Schedules may be returned to unsuccessful Contractors upon awarding the contract, if requested.

20. Quantities: WARNING:

Contractor is responsible to examine the plans, specifications, documents and site and to take his own measurements to determine if all quantities and items are adequately covered by the **Construction Bid Items Schedule**. Any discrepancies shall be reported to the Project Landscape Architect and the plans shall be adjusted accordingly during the bid process. Contractor is responsible for verifying all quantities and bid sufficient quantities to complete the project as designed and shown on the drawings and details. Any discrepancies or omissions not corrected during the bid process shall be the responsibility of the Contractor.

Quantities are only given as a convenience to the contractor to check against his own quantities to verify if there are any mistakes or inconsistencies that need correcting during the bid process.

21. Additional Items:

Any items that the Contractor feels were omitted from the Construction Bid Schedule shall be added at the bottom of the Construction Bid Schedule as additional line items of the contract. If there are multiple items that the contractor wants to include, additional lines under Additional Items may be added.

22. Mobilization:

Contractor shall bid a single line item for mobilization of the entire project. Contractor shall not spread these costs over the various unit items but maintain this cost as a single price. This is done to allow the contractor to request early payment to get the project started. Contractor is expected to keep this bid amount within reasonable limits.

23. Temporary Utilities:

Power – Contractor to contact local Power Company to secure power as needed.

Water – Contractor to contact Macon/Bibb County for installation of water meter.

24. Non-Responsive:

Any bid submitted without a completed unit price **Construction Bid Item Schedule** shall be deemed as 'Non-Responsive' and deleted from the process.

25. Low Bidder:

Upon determination of the apparent lowest qualified bidder, Owner shall meet with said apparent lowest qualified bidder to adjust the project scope as necessary to get within the prescribed budget, if the Lump Sum quote is above the intended budget. This exercise is intended to reduce the total lump sum by deleting items

from the Construction Bid Items Schedules until the budget is met without having to re-bid the project.

26. Minimum Contract:

Apparent Low Bidder reserves the right to withdraw his bid at no penalty if the adjusted Lump Sum drops below an amount he feels is required to successfully perform the project.

27. Value Engineering:

Contractor is free to submit deductive recommendations to reduce the total bid amount of the contract as separate items from the lump sum bid. These may be used during the value engineering process, with the apparent low bidder, to reduce the contract to the final budget. Value engineering recommendations shall not be used to determine lowest qualified bidder.

28. Final Contract:

The Contractor and Owner shall sign the agreed contract including the final Construction Bid Schedule and lump sum contract amount. Owner's representative shall prepare the contract and send four copies to the Contractor for final signature.

29. Non-Collusion:

Each Bidder shall file a statement executed by, or on behalf of the person, firm, association, or corporation submitting the bid certifying that such person, firm, association, or corporation has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action, in restraint of the free competitive bidding in connection with the submitted bid. Failure to submit the executed statement as part of the bidding documents will make the bid non-responsive and not eligible for award consideration.

30. Equal Opportunity/Affirmative Action Employee:

The Owner hereby notifies all Bidders, that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the basis of age, race, color, religion, national origin, sex or disability in consideration for an award.

The Macon/Bibb County Parks and Recreation Department is an equal opportunity affirmative action employer, drug-free, with policies of nondiscrimination on the basis of race, sex, religion, color, national or ethnic origin, age, disability, or military service.

31. Ledger:

During the construction process it may become necessary to add or delete construction items from the contract using the prices of the unit item Construction Bid Items Schedule. These items shall not be calculated with any reduction of mobilization. A running list of these items shall be maintained by the contractor as the Ledger. Upon completion of the project, the contractor will prepare a final change order to rectify the Ledger with the Lump Sum Bid price. If the Ledger begins to reach a level that imposes a hardship upon the contractor, and interim change order may be prepared and submitted to relieve the hardship. See Applications for Payment in the Project Manual.

32. Equipment

The Bidder must have at their disposal the necessary equipment to construct the project when instructions are issued to begin work, and to complete the work within the time specified. In the event the Bidder has been awarded contracts for federally funded work for the city, the contractor shall have financed their work in such a manner that just and proper claims in the discretion to the Owner, representing labor and materials entering therein, have not been filed with Macon/Bibb County.

33. Bidding Forms and Schedules

The necessary Bid Forms and Schedules are provided in the Project Manual.

34. Work Limits:

Work limits are not shown on the plans but are considered to be entirely within the project boundaries.

Various elements are within close proximity to the adjacent property lines. These locations have been noted on the drawings. Contractor shall be responsible for verifying the property line in these areas to ensure that construction and access does not encroach on adjacent property. Layout will have to be adjusted with Landscape Architect when necessary to meet this requirement. Contractor shall not use any portion of Freedom Park, without express consent of the city parks department.

35. Construction Access:

Contractor is advised that the project occurs within an active park where there are numerous people and utilities. Construction access will require careful protection of these areas, coordination with the city DOT, utility locators, and careful construction procedures.

36. Existing and Unknown Utilities:

Consultant and City officials will take measures to help locate and identify all utilities, property lines, corner markers, etc. However, due to the nature of the project and its location in a park, it is impossible to know everything that exists below ground. Therefore, the Contractor is responsible to utilize all appropriate utility locators for the various utilities including, but not limited to water, power, cable TV, gas, sanitary and storm drainage. Contractor may have to excavate test trenches in questionable areas before beginning construction. See Special Conditions and Technical Specifications in the Project Manual.

37. Property Lines:

The City of Macon/Bibb has full ownership of the property effected by the construction. Contractor must respect the rights of local residents to reasonable use and access to the park and use of adjacent roadways. .

38. Sequence of Construction:

Contractor shall be responsible for developing a plan for removing the fences, staking the layouts and managing the space in order to build the project. Contractor cannot use the adjacent road or park for parking, but must submit a plan that manages the construction process.

Morgan Road has to be closed, demolished and rebuilt. The contractor shall submit a time sequence plan for building Morgan Road and reopening it to eliminate as much inconvenience to the public as possible.

39. Traffic Control:

Traffic Control is anticipated for this project during certain phases. Contractor shall coordinate the closing and reopening of Morgan Road with the Macon/Bibb Department of Transportation.

40. Public Access:

Contractor shall not impede or interfere with expected use of the recreation center or the other half of Freedom Park during the construction process.

41. Tree Protection

There are a few large and important trees within the project site. These trees are designated on the plans for special protection and treatment.

END OF SUPPLIMENTARY INSTRUCTIONS TO BIDDERS

BID FORM
GIRL SOFTBALL FIELDS
FREEDOM PARK
FOR THE CITY OF MACON

1. Bid as Advertised: Yes _____
 No _____
2. Bid Expires: _____ Month _____ Day _____ Year
(Minimum of 90 days)
3. Bid Price: Lump Sum Price: _____
(*Transfer Total from Construction Bid Items Schedule*)
4. Bid Received From: (Company) _____
 (Address) _____
 (Phone) _____
 (Contact) _____

Project Number: 15-0536

Bid Number _____

Authorized Representative
(Print or Type)

Authorized Representative
(Signature)

Bidder acknowledges receipt of the following addenda:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Note: Completed **Construction Bid Items Schedule** must be attached to this Bid Form.
See Supplementary Instructions to Bidders. 1 Jan 2017

CONSTRUCTION SCHEDULE OF VALUES

PART 1 GENERAL

1 SCOPE

The work under this Section includes preparation and submittal of the Construction Schedule of Values to accompany the Pay Request.

2 GENERAL

A. Timing of Submittal: Submit to the Landscape Architect, a Construction Schedule of Values based on the accepted **Construction Bid Items Schedule**.

Allocated to the various portions of the Work, within 10 days after Notice to Proceed. The first progress payment will not be made until the next pay cycle following the Landscape Architects approval of the Contractor's Construction Schedule of Values.

B. Supporting Data: Upon request of the Landscape Architect, contractor shall provide detailed support the values with data to substantiate their correctness.

C. Use of Schedule: The Schedule of Values, unless objected to by the Landscape Architect, shall be used as the basis for the Contractor's Application for Payment.

D. Construction Bid Items Schedule can serve as the Schedule of Values.

E. Construction Bid Items Schedule is available through the Consultant in Excel electronic format by contracting mack@mackcain.com.

F. Form and Identification

1. Prepare schedule on 8-1/2 x 11-inch white paper.
2. Contractor's standard forms and automated printout may be used.
3. Identify schedule with:
 - a. Title of project and location
 - b. Landscape Architect
 - c. Name and address of Contractor
 - d. Contract designation
 - c. Date of submission

G. Schedule shall list the installed value of each of the identified component parts of the Work in sufficient detail as to quantity and unit price to serve as a basis for computing values for progress payments during construction. Breakdown shall be by line items, for ease of field verification of quantities completed in each line item.

- H. Format
 - 1. Follow the Construction Bid Items Schedule of the Contract Documents as the format for listing the various component items as backup for the Pay Request.
 - 2. Identify each line item with the number and name of the respective item exactly as it appears on the Construction Bid Items Schedule.
- I. For each major line item, list sub-values of major products or operations under the item as shown on the Construction Bid Items Schedule.
- J. For the Various Portions of the Work:
 - 1. Each line item shall include a proportional amount of the Contractor's overhead and profit as part of the cost.
 - 2. For line items on which progress payments will be requested for stored materials, break down the value into:
 - a. The total installed value, with Contractor's overhead and profit and less item b. as defined below
 - b. The cost of the materials, delivered and unloaded, with taxes paid
- K. The sum of the values of all the items listed in the schedule shall equal the Lump Sum Bid Total or the agreed final Contract Amount.
- L. The Construction Bid Items Schedule shall serve as the basis for the Schedule of Values and the Schedule of Values shall be attached to the Pay Request.

END OF SECTION 00 43 73

FREEDOM PARK - GIRLS SOFTBALL FIELDS

Jan 2017

Construction Bid Items Schedule							
#	ITEM	QTY*	UNIT	UNIT Costs	Total Costs	Detail / Comments	
1	Staking	1	job	\$0.00	\$0.00	See Sheet C3.1	
2	Clearing & Demolition					See Sheets C2.1-C2.3	
	A. Remove Playground, Salvage Equipment	1	job	\$0.00	\$0.00	See Sheet C2.1	
	B. Remove Batting Cage	1	job	\$0.00	\$0.00	See Sheet C2.1	
	C. Remove Scoreboards, Salvage, & Provide to Owner	1	job	\$0.00	\$0.00	See Sheet C2.1	
	D. Tree Clearing Area	22,500	sf	\$0.00	\$0.00	See Sheets C2.1 & C4.2	
	E. Remove Batting Cage	1	job	\$0.00	\$0.00	See Sheet C2.1	
	F. Remove Restroom Building	1	job	\$0.00	\$0.00	See Sheet C2.1	
	1 Cap Utilities	1	job	\$0.00	\$0.00	See Sheet C2.1	
	G. Clear & Grub Tree Area	35,000	sf	\$0.00	\$0.00	See Sheet C2.1	
	H. Remove Asphalt Parking Lot	7,514	sf	\$0.00	\$0.00	See Sheet C2.1	
	1 Remove Concrete Apron	1	job	\$0.00	\$0.00	See Sheet C2.1	
	2 Remove Sidewalk	304	sf	\$0.00	\$0.00	See Sheet C2.1	
	3 Remove and Salvage Signs	1	job	\$0.00	\$0.00	See Sheet C2.1	
	I. Demolish & Remove Swimming Pool	6,400	sf	\$0.00	\$0.00	See Sheet C2.1	
	1 Remove Deck	8,140	sf	\$0.00	\$0.00	See Sheet C2.1	
	2 Remove Fence	410	sf	\$0.00	\$0.00	See Sheet C2.1	
	3 Remove Pool Equipment & Cap Lines	1	job	\$0.00	\$0.00	See Sheet C2.1	
	4 Remove Light Poles and Lights	1	job	\$0.00	\$0.00	See Sheet C2.1	
	5 Fill Void with Compacted Soil	1,500	cf	\$0.00	\$0.00	See Sheet C2.1	
	6 Removed Shed	1	job	\$0.00	\$0.00	See Sheet C2.1	
	7 Remove All Other Associated Items	1	job	\$0.00	\$0.00	See Sheet C2.1	
	J. Remove Field D	1	job	\$0.00	\$0.00	See Sheet C2.1	
	1 Remove 2 Bleachers Covers	1	job	\$0.00	\$0.00	See Sheet C2.1	
	2 Remove All Fences, Dugouts, & Backstops	1	job	\$0.00	\$0.00	See Sheet C2.1	
	3 Salvage Existing Bleacher and Provide to Owner	1	job	\$0.00	\$0.00	See Sheet C2.1	
	4 Remove railroad tie walls and other site debris	1	job	\$0.00	\$0.00	See Sheet C2.1	
	K. Remove Asphalt Parking Lot	6,595	sf	\$0.00	\$0.00	See Sheet C2.1	
	1 Remove Concrete Apron	1	job	\$0.00	\$0.00	See Sheet C2.1	
	2 Remove Sidewalks	1	job	\$0.00	\$0.00	See Sheet C2.1	
	3 Remove and Salvage Signs	1	job	\$0.00	\$0.00	See Sheet C2.1	
	4 Remove Wooden Bollards	8	ea	\$0.00	\$0.00	See Sheet C2.1	
	L. Demolish & Remove Concession & Press Building	1	job	\$0.00	\$0.00	See Sheet C2.1	
	1 Remove Field House(s)	1	job	\$0.00	\$0.00	See Sheet C2.1	
	M. Remove Existing Site Lighting	1	job	\$0.00	\$0.00	See Sheet C2.1	
	1 Salvage Poles & Lights, Provide to Owner	1	job	\$0.00	\$0.00	See Sheet C2.1	
	2 Remove Concrete Footings	1	job	\$0.00	\$0.00	See Sheet C2.1	
	3 Remove Transformers and provide to GA Power	1	job	\$0.00	\$0.00	See Sheet C2.1	
	N. Protect Existing Oak Trees	3	ea	\$0.00	\$0.00	See Sheet C2.1	
	1 Tree Protection Fence	275	lf	\$0.00	\$0.00	See Detail 6/LA.4	
	O. Remove Large Trees	28	ea	\$0.00	\$0.00	See Sheet C2.1	
	1 Grind or remove Stumps Below Grade (as needed)	1	job	\$0.00	\$0.00	See Sheet C2.1	
	2 Remove All Other Trees within the Disturbance Area	1	job	\$0.00	\$0.00	See Sheet C2.1	

P.	Demolish Morgan Road							
	1	Remove Asphalt and Base	19,815	sf	\$0.00	\$0.00	See Sheet C2.1	
	2	Remove Concrete Curbs	1,805	sf	\$0.00	\$0.00	See Sheet C2.1	
Q.	Remove Ball Fields							
	1	Remove Field A - complete	1	job	\$0.00	\$0.00	See Sheet C2.1	
	2	Remove Field B - complete	1	job	\$0.00	\$0.00	See Sheet C2.1	
	3	Remove Field C - complete	1	job	\$0.00	\$0.00	See Sheet C2.1	
	4	Remove All Light Poles & Salvage, provide to Owner	1	job	\$0.00	\$0.00	See Sheet C2.1	
	5	Remove All Pole Bases	1	job	\$0.00	\$0.00	See Sheet C2.1	
R.	Remove All General Site Debris		1	job	\$0.00	\$0.00	See Sheet C2.1	
S.	Site Utility Removal & Relocation (complete)		1	job	\$0.00	\$0.00	See Sheets C2.2-C2.3 & Utility Plans	
3	Grading & Drainage							
A.	Grading (Entire Site)		1	job	\$0.00	\$0.00	See Sheet Series C4	
B.	Concrete Headwall		4	ea	\$0.00	\$0.00	See Detail 7/C9.1	
C.	Curb Inlet		8	ea	\$0.00	\$0.00	See Detail 2/C9.1	
D.	Catch Basin		14	ea	\$0.00	\$0.00	See Detail 2/C9.1	
E.	Drain Pipes						See Sheets C4.2 & C5.1	
	1	15" S.D. Pipe	264	lf	\$0.00	\$0.00	See Details 16,17/C9.1	
	2	15" RCP Pipe	99	lf	\$0.00	\$0.00	See Details 16,17/C9.1	
	3	18" S.D. Pipe	741	lf	\$0.00	\$0.00	See Details 16,17/C9.1	
	4	18" RCP Pipe	48	lf	\$0.00	\$0.00	See Details 16,17/C9.1	
	5	24" RCP Pipe	58	lf	\$0.00	\$0.00	See Details 16,17/C9.1	
	6	30" S.D. Pipe	95	lf	\$0.00	\$0.00	See Details 16,17/C9.1	
	7	36" S.D. Pipe	273	lf	\$0.00	\$0.00	See Details 16,17/C9.1	
	8	36" RCP/HDPE Pipe	82	lf	\$0.00	\$0.00	See Details 16,17/C9.1	
	9	42" S.D. Pipe	165	lf	\$0.00	\$0.00	See Details 16,17/C9.1	
F.	Stormwater Pond Outlet Structure		1	ea	\$0.00	\$0.00	See Detail 2/C9.2	
G.	Skimmer Hood		1	ea	\$0.00	\$0.00	See Details 3,4,5/C9.2	
H.	Playground Drainage, Complete		1	job	\$0.00	\$0.00	See Sheet C4.2	
I.	Concession Area Drainage, Complete (including building downspout connections)		1	job	\$0.00	\$0.00	See Sheet C4.2	
4	Erosion Control							
A.	Initial Phase		1	job	\$0.00	\$0.00	See Sheets C8.1 & C8.2	
B.	Intermediate Phase		1	job	\$0.00	\$0.00	See Sheets C8.3 & C8.4	
C.	Final Phase		1	job	\$0.00	\$0.00	See Sheets C8.5 & C8.6	
D.	NPDES Monitoring		1	job	\$0.00	\$0.00	See Sheet C8.7	
5	Concrete Apron		450	sf	\$0.00	\$0.00	See Detail 5/SD.3	
6	5' Concrete Sidewalk		810	sf	\$0.00	\$0.00	See Detail 4/SD.1	
	A.	Integral Curb	190	lf	\$0.00	\$0.00	See Detail 2/SD.2	
	B.	Control Joints	102	lf	\$0.00	\$0.00	See Detail 6/SD.1	
	C.	Expansion Joints	50	lf	\$0.00	\$0.00	See Detail 6/SD.1	
7	Splash Area (See WaterSplash Manual and Schedule)						See Sheet C1.4	
	A.	Concrete Splash Pad						
	1	6" Concrete Pad	5,650	sf	\$0.00	\$0.00	See Detail 4/SD.1	
	2	6" Gravel base under pad	5,650	sf	\$0.00	\$0.00	See Detail 4/SD.1	
	3	Control Joints	520	lf	\$0.00	\$0.00	See Detail 3/SD.4	
	4	Expansion Joints	838	lf	\$0.00	\$0.00	See Detail 3/SD.4	
	B.	4' Ht. Retaining Wall	55	lf	\$0.00	\$0.00	See Detail 12/SD.3	

	C.	18' Ht. Seat Wall	146	lf	\$0.00	\$0.00	See Detail 5/SD.2
	D.	Steps	9	lf	\$0.00	\$0.00	See Detail 3B/SD.1
	E.	Shade Arbor	1	job	\$0.00	\$0.00	See Details 11/SD.2& 12/SD.2
	F.	Ornamental Fence	315	lf	\$0.00	\$0.00	See Detail 1/SD.4
		1 Ornamental 5' Gate	1	ea	\$0.00	\$0.00	See Detail 2/SD.4
	G.	Water Reservoir Tank - (See WaterSplash Manual and Schedule)					
	H.	Splash Pad Ornamental Gate, 6' Dbl. Gate (3&3), 5' Ht.	1	ea	\$0.00	\$0.00	See Detail 7/SD.4
		1 Ornamental 5' Fence	6	lf	\$0.00	\$0.00	See Detail 1/SD.4
	I	Concrete Sidewalk Connection	280	sf	\$0.00	\$0.00	See Detail 4/SD.1
		1 Concrete Steps	10	lf	\$0.00	\$0.00	See Detail 3A/SD.1
		2 Control Joints	10	lf	\$0.00	\$0.00	See Detail 3/SD.4
		3 Expansion Joints	10	lf	\$0.00	\$0.00	See Detail 3/SD.4
	J.	Splash Pad Equipment, Jets, Sprays, Fountains, & Installation (Complete)	1	job	\$0.00	\$0.00	See Sheets SP1-SP.3 & Schedule
	K.	Concrete Sidewalk	260	sf	\$0.00	\$0.00	See Detail 4/SD.1
		1 Control Joints	35	lf	\$0.00	\$0.00	See Detail 6/SD.1
		2 Expansion Joints	10	lf	\$0.00	\$0.00	See Detail 6/SD.1
	L.	Splash Pad Building - Complete	1	job	\$0.00	\$0.00	See Architectural Plans
	M	Splash Pad Site Furnishings					
		1 Bike Rack	1	ea	\$0.00	\$0.00	See Detail 3/SD.3
8		Splash Area Parking Lot					
	A.	Asphalt Paving	28,780	sf	\$0.00	\$0.00	See Detail 1/C9.1
	B.	Concrete Straight Curb	102	lf	\$0.00	\$0.00	See Detail 1/SD.2
	C.	Integral Curb	320	lf	\$0.00	\$0.00	See Detail 2/SD.2
	D.	Stripping					
		1 HC Spaces	2	ea	\$0.00	\$0.00	See Detail 1/SD.1
		2 Standard Spaces	50	ea	\$0.00	\$0.00	See Detail 1/SD.1
	E.	Concrete Wheel Stop	52	ea	\$0.00	\$0.00	See Details 1/SD.1 & 7/SD.1
	F.	Handicap Sign	2	ea	\$0.00	\$0.00	See Details 8/SD.2 & 10/SD.2
	G.	Truncated Dome Pavers	10	sf	\$0.00	\$0.00	See Detail 6/SD.1
	H.	6' Sidewalk	2,750	sf	\$0.00	\$0.00	See Detail 4/SD.1
	I.	Control Joints	391	lf	\$0.00	\$0.00	See Detail 6/SD.1
	J.	Expansion Joints	152	lf	\$0.00	\$0.00	See Detail 6/SD.1
9		Concrete Sidewalk Connection	2,605	sf	\$0.00	\$0.00	See Detail 4/SD.1
	A.	Control Joints	291	lf	\$0.00	\$0.00	See Detail 6/SD.1
	B.	Expansion Joints	138	lf	\$0.00	\$0.00	See Detail 6/SD.1
10		5' Concrete Sidewalk along Roff Ave.	2,825	sf	\$0.00	\$0.00	See Detail 4/SD.1
	A.	Control Joints	364	lf	\$0.00	\$0.00	See Detail 6/SD.1
	B.	Expansion Joints	184	lf	\$0.00	\$0.00	See Detail 6/SD.1
11		Interior Park Concrete Sidewalks	6,860	sf	\$0.00	\$0.00	See Detail 4/SD.1
	A.	Control Joints	884	lf	\$0.00	\$0.00	See Detail 6/SD.1
	B.	Expansion Joints	413	lf	\$0.00	\$0.00	See Detail 6/SD.1
12		Patch Curb & Gutter	88	lf	\$0.00	\$0.00	Match Existing
13		Concrete Apron	800	sf	\$0.00	\$0.00	See Detail 5/SD.3
14		Main Parking Lot					
	A.	Asphalt Paving	66,300	sf	\$0.00	\$0.00	See Detail 1/C9.1
	B.	Concrete Straight Curb	710	lf	\$0.00	\$0.00	See Detail 1/SD.2
	C.	Integral Curb	1,045	lf	\$0.00	\$0.00	See Detail 2/SD.2

	D.	Stripping						
	1	HC Spaces	8	ea	\$0.00	\$0.00	See Detail 1/SD.1	
	2	Standard Spaces	182	ea	\$0.00	\$0.00	See Detail 1/SD.1	
	E.	Concrete Wheel Stop	190	ea	\$0.00	\$0.00	See Details 1/SD.1 & 7/SD.1	
	F.	Handicap Sign	8	ea	\$0.00	\$0.00	See Details 8/SD.2 & 10/SD.2	
	G.	Truncated Dome Pavers	136	sf	\$0.00	\$0.00	See Detail 6/SD.1	
15		Morgan Road Extension					See Sheet C7.1	
	A.	Asphalt Paving	27,700	sf	\$0.00	\$0.00	See Detail 1/C9.1	
	B.	Curb & Gutter	2,320	lf	\$0.00	\$0.00	See Detail 4/C9.1	
	C.	Stripping	1	job	\$0.00	\$0.00	See Specifications	
16		Concrete Apron	300	sf	\$0.00	\$0.00	See Detail 5/SD.3	
17		Batting Cages Complete	1	job	\$0.00	\$0.00	See Sheet Detail 3/BD.5	
	A.	Concrete Pad	3,500	sf	\$0.00	\$0.00	See Detail 6/SD.1	
	B.	Sidewalk	500	sf	\$0.00	\$0.00	See Detail 4/SD.1	
	C.	Control Joints	60	lf	\$0.00	\$0.00	See Detail 6/SD.1	
	D.	Expansion Joints	25	lf	\$0.00	\$0.00	See Detail 6/SD.1	
18		Concession Plaza (Area A)					See Sheet C1.3	
	A.	Concrete Retaining Wall - Field #9	215	lf	\$0.00	\$0.00	See Detail 15/BD.2	
	B.	Seat Wall	46	lf	\$0.00	\$0.00	See Detail 5/SD.2	
	C.	Concrete Plaza	4,365	sf	\$0.00	\$0.00	See Detail 4/SD.1	
	1	Control Joints	1,428	lf	\$0.00	\$0.00	See Detail 3/SD.4	
	2	Expansion Joints	1,176	lf	\$0.00	\$0.00	See Detail 3/SD.4	
	D.	Concession Building - complete	1	job	\$0.00	\$0.00	See Architectural Plans	
	E.	Bleachers	8	ea	\$0.00	\$0.00	See Detail 4/BD.2	
	1	Handicap Area Designations	14	ea	\$0.00	\$0.00	See Detail 5/BD.2	
	F.	Concrete Retaining Wall - Field #8	178	lf	\$0.00	\$0.00	See Detail 14/BD.2	
	G.	Plaza Site Furnishings						
	1	Trash Receptacle	9	ea	\$0.00	\$0.00	See Detail 1/SD.3	
	2	Benches	2	ea	\$0.00	\$0.00	See Detail 2/SD.3	
	3	Bike Rack	2	ea	\$0.00	\$0.00	See Detail 3/SD.3	
	4	Scorer's Table	8	ea	\$0.00	\$0.00	See Detail 6/SD.3	
	5	Picnic Table	8	ea	\$0.00	\$0.00	See Detail 4A/SD.3	
	6	Handicap Picnic Table	2	ea	\$0.00	\$0.00	See Detail 4B/SD.3	
	H.	Play Area						
	1	Play Structure (not in contract)	1	job			By Owner	
	2	Playground Edge	96	lf	\$0.00	\$0.00	See Detail 7/SD.3	
	3	Rubber Mulch Play Surface	1,000	sf	\$0.00	\$0.00	See Detail 8/SD.3	
	4	Playground Entrance Ramp	16	lf	\$0.00	\$0.00	See Detail 6/SD.3	
	5	Underdrain System - complete	1	job	\$0.00	\$0.00	See Detail 8/SD.3	
	I.	Concrete Retaining Wall - Field #6	130	lf	\$0.00	\$0.00	See Detail 14/BD.2	
	J.	Flagpole with Concrete Pad	1	ea	\$0.00	\$0.00	See Detail 14/SD.3	
	K.	Concrete Retaining Wall - Field #7	130	lf	\$0.00	\$0.00	See Detail 14/BD.2	
	L.	Spare Sleeves (Area A)	340	lf	\$0.00	\$0.00	See Detail 6/SD.2	
	M.	Park Rules Sign	1	ea	\$0.00	\$0.00	See Detail 13/SD.3	
19		Sports Lighting (See Fixture Schedule)	1	job	\$0.00	\$0.00	See Sheets SE.1-SE.3	
20		Scoreboard (installation only)	4	ea	\$0.00	\$0.00	See Sheets SE.1-SE.3	
21		Fields #6, #7, & #8 (200' Fields)					See Detail 1/C1.2	

	A.	Backstop Fence, Black Vinyl, 20' Ht.	123	lf	\$0.00	\$0.00	See Detail 4/BD.3
	B.	Bleacher Fence, Black Vinyl, 20' Ht.	180	lf	\$0.00	\$0.00	See Detail 4/BD.3
	C.	Dugout Fence, Black Vinyl, 20' Ht.	180	lf	\$0.00	\$0.00	See Detail 4/BD.3
	D.	Dugout - complete	6	ea	\$0.00	\$0.00	See Sheet BD.4
	E.	Helmet Rack	6	ea	\$0.00	\$0.00	See Detail 4/BD.4
	F.	Bat Rack	6	ea	\$0.00	\$0.00	See Detail 5/BD.4
	G.	Coach's Shelf	6	ea	\$0.00	\$0.00	See Detail 6/BD.4
	H.	Dugout Bench	6	ea	\$0.00	\$0.00	See Detail 7/BD.2
	I.	5' Gate, Black Vinyl, 10' Ht.	6	ea	\$0.00	\$0.00	See Detail 5/BD.3
	J.	Baseline Fence, Black Vinyl, 10' Ht.	222	lf	\$0.00	\$0.00	See Detail 1/BD.3
	K.	Baseline Fence, Black Vinyl, 6' Ht.	513	lf	\$0.00	\$0.00	See Detail 1/BD.3
	L.	14' Dbl. Gate, Black Vinyl, 6' Ht.	6	ea	\$0.00	\$0.00	See Detail 5/BD.3
	M.	Warm up Fence, Black Vinyl, 6' Ht.	156	lf	\$0.00	\$0.00	See Detail 1/BD.3
	N.	Foul Poles	6	ea	\$0.00	\$0.00	See Detail 2/BD.2
	O.	Outfield Fence, Black Vinyl, 6' Ht.	1,002	lf	\$0.00	\$0.00	See Detail 1/BD.3
	P.	Outfield Safety Netting, 14' Ht.	435	lf	\$0.00	\$0.00	See Details 10/BD.2 & 13/BD.2
		1. 20' Fence Posts with Eye Bolts	21	ea	\$0.00	\$0.00	See Detail 13/BD.2
	Q.	6' Windscreen	468	lf	\$0.00	\$0.00	See Detail 8/BD.2
	R.	Premium Fence Top Guard	1,002	lf	\$0.00	\$0.00	See Detail 9/BD.2
	S.	Backstop Padding	3	ea	\$0.00	\$0.00	See Detail 12/BD.2
	T.	Foul Ball Return	3	ea	\$0.00	\$0.00	See Detail 11/BD.2
	U.	Infield Mix - see specifications	45,156	sf	\$0.00	\$0.00	See Detail 1/BD.2
	V.	Bases, 1 Set per Field	3	ea	\$0.00	\$0.00	See Sheet BD.1
	W.	Lime Field - just prior to punch list inspection	3	ea	\$0.00	\$0.00	See Detail 1/BD.1
	X.	Baseline Drain	1,152	lf	\$0.00	\$0.00	See Details 4/BD.1 & 3/C1.2
		1. Connect Baseline Drain to Master Drain System	3	ea	\$0.00	\$0.00	See Detail 3/C1.2
22	Field #9						See Detail 2/C1.2
	A.	Backstop Fence, Black Vinyl, 20' Ht.	41	lf	\$0.00	\$0.00	See Detail 4/BD.3
	B.	Bleacher Fence, Black Vinyl, 20' Ht.	60	lf	\$0.00	\$0.00	See Detail 4/BD.3
	C.	Dugout Fence, Black Vinyl, 20' Ht.	60	lf	\$0.00	\$0.00	See Detail 4/BD.3
	D.	Dugout - complete	2	ea	\$0.00	\$0.00	See Sheet BD.4
	E.	Helmet Rack	2	ea	\$0.00	\$0.00	See Detail 4/BD.4
	F.	Bat Rack	2	ea	\$0.00	\$0.00	See Detail 5/BD.4
	G.	Coach's Shelf	2	ea	\$0.00	\$0.00	See Detail 6/BD.4
	H.	Dugout Bench	2	ea	\$0.00	\$0.00	See Detail 7/BD.2
	I.	5' Gate, Black Vinyl, 10' Ht.	2	ea	\$0.00	\$0.00	See Detail 5/BD.3
	J.	Baseline Fence, Black Vinyl, 10' Ht.	74	lf	\$0.00	\$0.00	See Detail 1/BD.3
	K.	Baseline Fence, Black Vinyl, 6' Ht.	384	lf	\$0.00	\$0.00	See Detail 1/BD.3
	L.	14' Dbl. Gate, Black Vinyl, 6' Ht.	1	ea	\$0.00	\$0.00	See Detail 5/BD.3
	M.	10' Dbl. Gate, Black Vinyl, 6' Ht.	1	ea	\$0.00	\$0.00	See Detail 5/BD.3
	N.	Warm up Fence, Black Vinyl, 6' Ht.	60	lf	\$0.00	\$0.00	See Detail 1/BD.3
	O.	Foul Poles	2	ea	\$0.00	\$0.00	See Detail 2/BD.2
	P.	Portable Outfield Fence	1	ea	\$0.00	\$0.00	See Detail 7/BD.4
	Q.	Outfield Fence, Black Vinyl, 6' Ht.	20	lf	\$0.00	\$0.00	See Detail 1/BD.3
	R.	Not Used (<i>item deleted</i>)					
	S.	Backstop Padding	1	ea	\$0.00	\$0.00	See Detail 12/BD.2
	T.	Foul Ball Return	1	ea	\$0.00	\$0.00	See Detail 11/BD.2

	U.	Infield Mix - see specifications	16,662	sf	\$0.00	\$0.00	See Detail 1/BD.2
	V.	Bases, 1 Set per Field	1	ea	\$0.00	\$0.00	See Sheet BD.1
	W.	Lime Stripe the Field for final inspection	1	ea	\$0.00	\$0.00	See Detail 1/BD.1
	X.	Baseline Drain	384	lf	\$0.00	\$0.00	See Details 4/BD.1 & 3/C1.2
		1. Connect Baseline Drain to Master Drain System	1	ea	\$0.00	\$0.00	See Detail 3/C1.2
23		Spare Sleeves	1,330	lf	\$0.00	\$0.00	See Detail 6/SD.2
24		Stop Signs	5	ea	\$0.00	\$0.00	See Detail 7/SD.2
25		6' Chainlink Fence Around Detention Pond, Black Vinyl, 6' Ht.	635	lf	\$0.00	\$0.00	See Detail 1/BD.3
	A.	14' Dbl. Gate, Black Vinyl, 6' Ht.	1	ea	\$0.00	\$0.00	See Detail 5/BD.3
26		Site Lighting See Fixture Schedule	1	job	\$0.00	\$0.00	See Sheets SE.1-SE.3
27		Site Furnishings					
	A.	Benches	4	ea	\$0.00	\$0.00	See Detail 2/SD.3
28		Landscaping - See Plant List	1	Job	\$0.00	\$0.00	See Sheets LA.1-LA.4
29		Irrigation	1	job	\$0.00	\$0.00	See Sheets I.1-I.3
	A.	Tap / 2" Meter / Impact Fee	1	job	\$0.00	\$0.00	
	B.	Backflow Preventer	1	ea	\$0.00	\$0.00	
	C.	Booster Pump & System	1	job	\$0.00	\$0.00	
	D.	Irrigation System, Complete	1	job	\$0.00	\$0.00	
30		Final Clean Up & Fine Grading	1	job	\$0.00	\$0.00	See Specifications
		Subtotal				\$0.00	
		Mobilization - Project	1	job	\$0.00	\$0.00	See Specifications
		Additional Items	1	job	\$0.00	\$0.00	Contractor may add costs here that he feels is not covered on the bid form
		Total Bid with all markups				\$0.00	Transfer this # to the Bid Form
		*Note: Quantities are only given as a convenience and check to help the contractor understand the plans.					
		Contractor shall verify all quantities and bid the project to complete. Quantity corrections may be made this form.					
THIS SPREADSHEET IS AVAILABLE IN ELECTRONIC (*.XLSX) FORMAT BY CONTACTING MACK CAIN: MACK@MACKCAIN.COM							

FREEDOM PARK GIRLS SOFTBALL FIELDS

# 19 SPORTS LIGHTING FIXTURE SCHEDULE						Jan 2017
QTY.	MANUFACTURER & CATALOG NUMBER	MOUNTING	NO./LAMPS	LOAD	UNIT PRICE	TOTAL
11	Beacon Products #VP-L-96NB-280-4K-T4-480-PCR-TL-BLC-RA-BBT	25' POLE	LED ARRAY	300W	\$0.00	\$0.00
	Spaulding #SSA-25-50-B-AX-BL POLE					
6	Beacon Products #VP-L-96NB-280-4K-T4-480-PCR-TL-RA-BBT	25' POLE	LED ARRAY	600W	\$0.00	\$0.00
	Spaulding #SSA-25-50-B-CX-BL POLE					
12	Beacon Products #VP-L-96NB-280-4K-T3-480-PCR-TL-RA-BBT	25' POLE	LED ARRAY	300W	\$0.00	\$0.00
	Spaulding #SSA-25-50-B-AX-BL POLE					
1	Electrical Service to Connect Concession Building and Panel				\$0.00	\$0.00
1	Electrical Service to Connect Splash Pad Building and Panel				\$0.00	\$0.00
4	Electrical Service to Scoreboards				\$0.00	\$0.00
27	Pole Foundation 3 - See Detail 3/SE.3				\$0.00	\$0.00
2	Pole Foundation 4 - See Detail 4/SE.3				\$0.00	\$0.00
1	Electical service, wiring and connectors complete				\$0.00	\$0.00
TOTAL	Transfere this total to line item # 19 on theconstruction Bid Items Schedule					\$0.00

# 26 Site Lighting Fixture Schedule		See Sheets SE.1-SE.3			Jan 2017
Fixture	Type of Fixture	Qty	Unit	Unit \$	Total \$
A.	Type A	11	ea	\$0.00	\$0.00
B.	Type B	6	ea	\$0.00	\$0.00
C.	Type C	12	ea	\$0.00	\$0.00
D.	Electrical Service to Connect Concession Building and Panel	1	job	\$0.00	\$0.00
E.	Electrical Service to Connect Splash Pad Building and Panel	1	job	\$0.00	\$0.00
F.	Electrical Service to Scoreboards	1	job	\$0.00	\$0.00
G.	Pole Foundation 3 - See Detail 3/SE.3	1	job	\$0.00	\$0.00
H.	Pole Foundation 4 - See Detail 4/SE.3	1	job	\$0.00	\$0.00
I	Electrical Service to system - complete	1	job	\$0.00	\$0.00
TOTAL	Transfer this total to item # 26 on the Construction Bid Items Schedules				\$0.00

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# 28 Plant List					
#	Description	Qty.	Size	Price	Total
A	Carpinus caroliniana	16	2-1/2"	\$0.00	\$0.00
	American Hornbeam				
B	Magnolia macrophylla	1	4"	\$0.00	\$0.00
	Bigleaf Magnolia				
C	Ulmus parvifolia 'Emer II' Allee	3	2-1/2"	\$0.00	\$0.00
	Allee Chinese Elm				
D	Lagerstromia indica x fauriei 'Natchez'	21	1"/ea.	\$0.00	\$0.00
	Natchez Crapemyrtle				
E	Quercus myrsinifolia	11	2-1/2"	\$0.00	\$0.00
	Chinese Evergreen Oak				
F	Fraxinus pennsylvanica 'Marshall's Seedless'	9	2-1/2"	\$0.00	\$0.00
	Marshall's Seedless Green Ash				
G	Gleditsia triacanthos	6	2-1/2"	\$0.00	\$0.00
	Honey Locust				
H	Quercus nutallii	7	2-1/2"	\$0.00	\$0.00
	Nuttall Oak				
I	Magnolia virginiana	3	1"/ea.	\$0.00	\$0.00
	Sweetbay Magnolia				
J	Quercus phellos Hightower P.P. #13677	18	4"	\$0.00	\$0.00
	Hightower Willow Oak				
K	Japanese Cleyera	16	5 Gal.	\$0.00	\$0.00
	Cleyera japonica				
L	Camellia sasanqua 'ShiShi Gashira'	10	5 Gal.	\$0.00	\$0.00
	Shishi Gashira Camellia				
M	Azalea indica 'Formosa'	18	3 Gal.	\$0.00	\$0.00
	Formosa Azalea				
N	Osmanthus fragrans	12	7 Gal.	\$0.00	\$0.00
	Tea Olive				
O	Gardenia jaminoides ' Radicans'	43	1 Gal.	\$0.00	\$0.00
	Dwarf Gardenia				
P	Liriope muscari 'Big Blue'	430	4" Pot	\$0.00	\$0.00
	Big Blue Liriope				
Q	Bed preparation	1	job	\$0.00	\$0.00
R	Mulch 3" deep (aged hardwood)	1	job	\$0.00	\$0.00
TOTAL Transfer to item #28 on the Construction Bid Items Schedule					\$0.00

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MACK@MACKCAIN.COM**

FREEDOM PARK GIRLS SOFTBALL FIELDS

SPLASH PAD CONSTRUCTION ITEM SCHEDULE **Jan. 2017**

ITEM #	DESCRIPTION	QUANTITY	UNIT COST	TOTAL
S05.12.01XX	Interactive Spash II w/LED	1	\$0.00	\$0.00
S05.01 LED	Aqua Jet w/LED	8	\$0.00	\$0.00
S05.06 LED	Aqua Spray w/LED	8	\$0.00	\$0.00
S05.06.01 LED	Aqua Geyser w/LED	8	\$0.00	\$0.00
S04.02	Aqua Cannon	4	\$0.00	\$0.00
S25.04	Splash Bucket	1	\$0.00	\$0.00
S25.04.01	Splash Bucket II	1	\$0.00	\$0.00
S02.06	Aqua Nature III	3	\$0.00	\$0.00
S01.16	Waterfall	1	\$0.00	\$0.00
S02.05	Aqua Nature II	3	\$0.00	\$0.00
S01.33	Shower Curtain	2	\$0.00	\$0.00
S01.17	Aqua Column	1	\$0.00	\$0.00
S10.19	Water Distribution Management System SS Manifold - Mounted (19) Output	1	\$0.00	\$0.00
S15.19	Water Wise Fully Automated Touchscreen Feature Controller	1	\$0.00	\$0.00
S15.89.01	LED Light Box Controller	1	\$0.00	\$0.00
S16.01	Drain Box 12x12, Fiberglass with grate and pipe system to tank - complete	2	\$0.00	\$0.00
S20.03	Foot Activator Sensor	1	\$0.00	\$0.00
S32.00	Water Recirculation System	1	\$0.00	\$0.00
S30.04	4000 Gallon Fiberglass Holding Tank and pipe connections	1	\$0.00	\$0.00
S97.03.01	Aqua Shower Spray-Foot Wash-Rinse Station	1	\$0.00	\$0.00
	Water Splash Installation, Complete	1	\$0.00	\$0.00
	Splash pad surface treatment -complete (sf)	5650	\$0.00	\$0.00
	Pumps, equipment, electrical, draingage and all parts to complete the system	1	\$0.00	\$0.00
	Mobilization	1	\$0.00	\$0.00
TOTAL	<i>Transfer this total to line item # 7-I on the Construction Bid Items Schedule</i>			\$0.00

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DOCUMENT 00 7202
GENERAL CONDITIONS

"The General Conditions of the Contract for Construction," AIA Document A201, dated 2007, Articles 1 through 15, pages 1 through 38, of the American Institute of Architects, is hereby made a part of these documents to the same extent as if herein written out in full.

End of General Conditions

**SUPPLEMENTARY
GENERAL CONDITIONS
CITY OF MACON/BIBB**

- 1.1 Spirit and Intent. It is the spirit and intent of these Specifications, and of the accompanying Drawings, to provide that the work and all parts thereof shall be fully completed and suitable in every way for the purposes for which they are designed. Mention in the Specifications or indications on the Drawings of articles or materials, operations or methods requires that the Contractor provide each item listed, of quality or subject to qualification notes; perform according to conditions stated each operation prescribed; and provide therefore all necessary labor, materials, tools, equipment and incidentals to complete the work as shown on the plans.

The Drawings and the Specifications are intended to be mutually explanatory and complete; and all work called for by one, even if not by the other, shall be fully executed. Detailed drawings shall take precedence over small-scale drawings. In case of discrepancy, either in the figures, in the drawings or in the Specifications, the matter shall be promptly submitted to the Landscape Architect who will promptly make a determination in writing. Any adjustment by the Contractor without this determination shall be at his own risk and expense.

- 1.2 Errors or Omissions. The Contractor shall not be allowed to take advantage of errors or omissions in the Specifications or Drawings as full instruction will be given if such errors are discovered. Upon his discovery of any statement or detail, which is discrepant or otherwise appears in error, the Contractor shall immediately call it to the attention of the Landscape Architect. There are specific notes on the drawings to help the contractor avoid missing important parts of the plans. Contractor shall pay close attention to the notes as stated on the plans.

- 1.3 Measurements. Before ordering any material or doing any work, the Contractor shall verify all measurements on the site and shall be responsible for correctness of same. No extra charge or compensation shall be allowed on account of difference between actual dimensions necessary and the measurements indicated on the drawings. Any difference, which may be found, shall be submitted to the Landscape Architect for consideration prior to beginning the work. The city did not perform an infield survey so many of the dimensions are taken from documents that may not be absolute. Therefore it is imperative that the contractor check the dimensions in the field and bid accordingly.

The following principles shall govern the settlement of disputes which may arise over discrepancies in the contract documents: (a) as between figures given on drawings and the scaled measurements, the scaled measurements shall govern; (b) as between large-scale drawings and small-scale drawings, the larger scale shall govern; (c) as between drawings and specifications requirements of the specifications shall govern; and (d) as between the Form of Agreement and the Specifications, requirements of the Form of Agreement shall govern.

- 1.4 Quantities. Quantity estimates where shown have been made carefully, but the Landscape Architect assumes no liability for omissions or errors in the measurements. Estimates are only an aid to clarification of units and a check for the contractor to compare with his own estimates. Differences shall be brought to the attention of the Landscape Architect. Quantities necessary to complete the work on the Drawings shall be provided by the contractor. No extra compensation shall be allowed for extra quantities necessary to complete the work as shown on the plans.
- 1.5 Examination of Site. Before submitting bids for the work, each bidder shall be expected to have examined the premises of the site and satisfied himself as to the existing conditions under which he shall be pledged to operate or that in any manner shall affect the work. No allowance shall be made subsequently in this connection on behalf of the Contractor for any error or negligence on his part.
- 1.6 Environmental Protection
Trees to Save. Trees not marked to be removed shall be carefully protected by the Contractor from foliage, trunk and root damage. Roots shall be protected to the outer perimeter of tree foliage (or drip-line) and 2' beyond.
- 1.7 Temporary Suspension of Work. The Landscape Architect shall have the authority to suspend the work, wholly or in part, for such period as he may deem to be in the best interest of the Owner, due to conditions which are considered unfavorable to the suitable carrying out of work, or for failure on the part of the Contractor to carry out instructions or to perform any provision of the agreement. The Contractor shall immediately respect the written order of the Owner to suspend the work wholly or in part. The Contractor shall not suspend work without such written authority, and shall immediately resume work when conditions are favorable or when methods have been corrected, as approved by the Landscape Architect in writing.
- 1.8 Materials and Workmanship. Workmanship and materials shall be as prescribed by these Specifications and the Drawings. Whenever not explicitly described, all workmanship used or employed in carrying out the work shall be the best of the respective grades and qualities. Where equipment, materials or articles are referred to in the Specifications as "equal to" any particular standard, the Landscape Architect shall decide the question of equality. When required by the Specifications or when called for by the Landscape Architect, the Contractor shall furnish for approval full information concerning the materials or articles which he contemplates incorporating in the work. Samples of materials shall be submitted for approval when so directed. Machinery, equipment, materials, and articles installed or used without such approval shall be at the risk of subsequent rejection.
- 1.9 Other Contracts. The Landscape Architect may undertake or award other contracts for additional work, and the Contractor shall fully cooperate with other such contractors, including the Owner or his employees and carefully fit his own work to such additional

work as directed by the Landscape Architect. The Contractor shall not commit or permit any act, which will interfere with the performance of work by any other contractor or employee of the Owner.

- 1.10 Minor Modifications. The Contractor shall make such minor modifications in the execution of the work to be done under these Specifications which in the judgment of the Landscape Architect shall be necessary or expedient to carry out the intent of the contract before or during the progress of the contract.

No increase over the contract price shall be paid to the Contractor on account of such minor modifications. Work, which materially increases the cost to the Contractor, shall not be ordered under the provisions of this paragraph.

- 1.11 Rejection. All materials which do not meet these Specifications or the requirements of the contract drawings shall be rejected by the Landscape Architect and shall be removed from the site and replaced by proper materials by the Contractor at his own expense.

- 1.12 Contractor's Responsibilities. The Contractor shall, without additional expense to the Owner, obtain all licenses and permits required for the execution of the work. The Contractor shall give supervision to the work and have a responsible foreman continuously on the job to act for him. The Contractor shall provide and maintain all temporary roadways and utilities which may be authorized and all barriers, colored lights, danger signals, and other devices necessary to provide for the traffic control and safety. The Contractor shall, at all times, be responsible for the safety and conduct of his employees. He shall, for the protection of the owner, maintain liability insurance for the duration of the job in limits described hereinafter and insurance covering property damages as well as any other insurance required by law. The Landscape Architect may in writing require the Contractor to remove from the work such employees as he deems incompetent, careless, insubordinate, or otherwise objectionable, or whose continued employment on the work is deemed by the Landscape Architect to be contrary to the Owner's interests.

- 1.13 Space for Storage of Construction Materials. The Contractor shall provide suitable protection for material and equipment on the site and shall maintain all storage space in a safe and orderly condition. The Owner assumes no liability for loss or damage to materials or equipment due to improper storage, lack of protection from the elements or from any other causes. Inflammable materials shall be enclosed in safe containers.

Contractor shall have access to the parking lot and open ballfields for storage or staging. However, contractor is responsible for any damage done to the parking lot or ballfields and shall leave them in the same condition as they were before the project execution.

- 1.14 Cleaning During Work. The Contractor shall clean up work and surrounding areas from all rubbish or objectionable matter during the course of the work. All mortar, cement and toxic material shall be removed from the surface of the earth and not allowed to become mixed with the earth.

- 1.15 Contracts. Each portion of the work shall be performed by an organization equipped and experienced to do work in the particular field. Contracts shall be awarded only to parties satisfactory to the Owner and the Landscape Architect.
- 1.16 Clean Up After Completion. Upon completion of the work, the ground shall be cleared of all debris, and all superfluous materials and all equipment shall be entirely removed from the premises to the satisfaction of the Owner before final payment.
- 1.17 Landscape Architect's Decisions. All the work under the contract shall be completed to the satisfaction of the Landscape Architect or his authorized representative who shall in all cases determine the amount, quality, acceptability, and fitness of the several kinds of work and materials which are paid for hereunder, and shall decide all questions and the fulfillment of the conditions of this contract on the part of the Contractor. His determination and decision, in case any questions shall arise, shall be a condition precedent to the right of the Contractor to receive any payment hereunder.
- 1.18 Field Display of Plans and Specifications. The Contractor shall maintain a well organized, up-to-date set of Drawings and Specifications to include, but not limited to, all revisions, addenda, change orders, copies of observation reports, memoranda, shop drawings, daily reports, etc., that affect the work. Landscape Architect and Owner shall utilize these plans on site to authorize modifications of changes.

In addition to instruments mentioned include copies of requests for payment and correspondence between Landscape Architect and Contractor. Maintain all copies in orderly files in Contractor's job site office.

- 1.19 Time for Completion. It is hereby understood and mutually agreed, by and between the Contractor and the Owner, that completion of the work in a timely manner is a prime condition of the contract. The Contractor agrees that the work shall be prosecuted regularly, diligently, and uninterruptedly at such a rate of progress as to insure full completion at the earliest time.

The schedule shall indicate the dates for the starting and completion of various stages of construction and shall be revised monthly as required by the conditions of the work. See Supplementary Instructions to Bidders for interim dates.

- 1.20 Bid and Performance Bonds. The Contractor shall furnish both bid and performance bonds in an amount equal to one hundred percent (100%) of the contract price as security for the faithful bid and performance of the contract and also a Payment Bond in an amount equal to one hundred percent (100%) of the contract price or in a penal sum not less than that prescribed by State, territorial or local law, as security for the payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract. The Bid, Performance bond and the Payment bonds may be in one or in separate instruments in accordance with local law. Before final acceptance, each bond must be approved by the Owner.

1.21 Scope of Work. The general scope of work required under this contract shall include all the work identified or implied by the Drawings and Specifications in strict accordance with all laws and ordinances. The work is also defined in Section 01 11 00 Summary of Work.

1.22 Sequence of Work. Work is to be processed in an orderly manner. The organization of the Specifications or contract drawings does not necessarily indicate the order or sequence in which work is to be performed. If prior construction or other contracts on the contract site will interfere with this work, the Landscape Architect will declare the time and date when this contract can be started, on the site.

Contractor shall not interfere with the reasonable use of other facilities within the park that are unaffected by the construction process.

It is the Contractor's duty to coordinate with his subcontractors in advance so that pipe holes, sleeves, inserts, etc., are installed as work progresses. This includes coordination with other independent Contractors working on related work.

Contractor shall coordinate with the city to establish a traffic management plan to close and reopen Morgan Road.

The Contractor shall keep an adequate force on the job until all work is completed, except for interrupting weather conditions and extensions or suspensions approved by the Landscape Architect. The Contractor shall give due and adequate notice of all work he proposes to start to those in control of properties, which may be affected by his operations. Refer to Instructions to Bidders for completion dates.

1.23 Insurance. The Contractor shall procure and shall maintain during the life of this contract, whether such operation be by himself or by a subcontractor or anyone directly or indirectly employed by either of them, such insurance as required by statute, ordinance or this contract, to adequately protect the Owner from any claims or damages, including bodily injury or death, which may arise from them during operations under this contract.

Insurance shall be obtained for not less than the limits or liability as specified.

(a) Worker's Compensation: The Contractor shall procure and shall maintain during the life of this contract, Workman's Compensation Insurance for all of the employees to be engaged in work on the project under this contract, and in case any such work is sublet, the Contractor shall require the subcontractor similarly to provide Workmen's Compensation Insurance for all of the latter's employees to be engaged in such work unless such employees are covered by the protection afforded by the Contractor's Workmen's Compensation Insurance. In case any class of employees engaged in Hazardous work on the project under this contract is not protected under the Workmen's Compensation statute, the Contractor shall provide and shall cause such subcontractor to provide a Workmen's Compensation policy for the protection of such of his employees not otherwise protected.

- (b) Public Liability, Property Damage, and Automobile Liability Insurance: The Contractor shall take out and maintain during the life of the contract such Public Liability and Property Damage Insurance, Comprehensive Contractual Property Damage Insurance and Automobile Liability Insurance as shall protect him and any subcontractor performing work covered by this contract from claims for damage for personal injury, including accidental death as well as from claims for property damage, which may arise from operations under this contract, whether such operations are by himself or by any subcontractor or by anyone directly or indirectly employed by either of them. The amount of such insurance shall be as follows:
- (c) Public Liability Insurance: in an amount not less than \$500,000.00 for each person, and subject to the same limit for each person, in an amount not less than \$1,000,000.00 on account of one accident.
- (d) Property Damage Insurance: in an amount not less than \$500,000.00 for any one damage claim and in an aggregate amount up to \$1,000,000.00 during a period of twelve (12) months.
- (e) Broad Form Blanket Contractual Liability Insurance: For bodily injury in an amount not less than \$500,000.00 per occurrence and not less than \$1,000,000.00 during a period of twelve months. For property damage in an amount not less than \$500,000.00 per occurrence and not less than \$1,000,000.00 during a period of twelve months. The contractor shall indemnify the Owner as follows.

The Contractor will indemnify and hold harmless the Owner, his agents and employees from and against all claims, damages, losses and expenses including attorney's fees arising out of or resulting from the performance of the work, provided that any such claims, damage loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, or taking of property, including the loss of use resulting therefrom; and is caused in whole or part by any negligent or willful act or omission of the contractor; and subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.

In any and all claims against the owner, or any of his agents or employees, by any employee of the contractor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the contractor, or any subcontractor under workmen's compensation acts, disability benefit acts or other employee benefits acts.

- (f) Automobile Liability Insurance: (a) For bodily injury, including accidental death to any one person, in an amount not less than \$500,000.00 and subject to the same

limit for each person, in an amount not less than \$1,000,000.00 on account of one accident; (b) For property damage in any amount not less than \$500,000.00 for any one damage claim and in an aggregate amount up to \$1,000,000.00 during a period of twelve (12) months.

- (g) Owner's Protective Liability Insurance: Issued in the name of the Owner for liability and property damage in the same amount as stipulated for the Contractor.
- (h) Builder's Risk Insurance: For the full contract value of the insurable portions of the work.
- (i) Proof of Coverage of Insurance: The Contractor shall furnish the Owner with a certificate showing satisfactory proof of carriage of the insurance required and such insurance shall be approved by the Owner prior to commencing work on his contract nor shall the Contractor allow any subcontractor until all similar insurance required of the subcontractor has been so obtained and approved. Certificate shall be insured with performance bond within ten (10) days of Notice of Award.
- (j) Scope of Insurance: The insurance required shall provide adequate protection for the Contractor and his subcontractors, respectively, as well as the Owner, and the Landscape Architect against damage claims which may arise from operations under this contract, whether such operations by the insured or by anyone directly or indirectly employed by him.
- (k) Special Hazards: The Contractor's and his subcontractor's Public Liability and Property Damage Insurance shall provide adequate protection against the following special hazards: excavation, shoring and electrical hazards.
- (l) Certificate of Insurance: The Contractor shall procure and deliver to the Landscape Architect and require subcontractors to procure and deliver to the Contractor, certificates of insurance executed by authorized officers or agents of the insurance companies prior to moving any equipment onto the site or commencement of any phase of the Work. Such certificates shall evidence the insurance companies' receipt of a copy of this Contract and its underwriting of the risks hereby created and as from time-to-time existing. At the request of the Owner, the Contractor shall procure and deliver to the Owner, certified duplicates of insurance policies and applicable endorsements to which such certificates are applicable.
- (m) Contractor's Equipment: The Contractor is solely responsible for any loss or damage to machinery, equipment or tools furnished by the Contractor or Subcontractors in connection with the Work and may carry insurance at its own expense to cover such exposure with no obligation or liability extending to the Owner. The premium for such insurance and any deductible charged to the

Supplementary General Conditions

Freedom Park Girls Softball Fields

Contractor in connection therewith are not reimbursable by the Owner and shall not be included in the Contract Sum.

END OF SUPPLEMENTARY GENERAL CONDITIONS

SECTION 00 7350

SPECIAL CONDITIONS CITY OF MACON

1.1 General: These Special Conditions are a supplement to the General Conditions of the Contract for Construction.

1.2 Drawings and Specifications: See Cover Sheet of Drawings for list of Contract Drawings.

See Table of Contents of Project Manual for list of Technical Specification Sections.

1.3 Temporary Equipment: The Contractor shall furnish, maintain and remove at completion, all equipment such as temporary roads, ramps, chutes and like facilities, as required for proper execution of the work of all trades. The Contractor and each subcontractor shall provide, for his own use, all forms required for execution of his work. Such forming shall conform to requirements of authorities having jurisdiction over such work and shall be maintained in safe condition at all times and shall be removed when no longer required.

1.4 Lifting Devices and Hoisting Facilities: The Contractor shall provide, operate and maintain construction cranes for hoisting materials, as well as other type hoists, as may be required for execution of the work of all trades. Such apparatus, equipment and construction shall meet the requirements of labor laws and other applicable laws.

1.5 Temporary Support Facilities: Sanitary Facilities: At Contractor's option provide either piped (wet) toilet facilities or self-contained toilet units of type acceptable to governing authorities, adequate for use of personnel at project site.

Water and Electric Power: The Contractor shall be responsible for obtaining or providing temporary water and electric power as necessary for construction operations. Provide temporary service, equipment, or make arrangements with the Owner for use of existing installations. Provide service with ground-fault circuit interrupter feature activated from each circuit at a 20-amp or less rating.

The Contractor shall provide potable water adequate for use by personnel on the project site. Furnish paper cups and waste receptacles.

The Contractor shall provide temporary security and protection. The types of provisions required include, but not by way of limitation, barricades, warning signs/lights, environmental protection, and similar provisions intended to minimize property losses, personal injuries and claims for damages at project site.

1.6 Layout of the Work: All lines, grades, levels and benchmarks shall be established and maintained by the Contractor.

NOTE: Before commencing any work, the Contractor shall verify all grades, lines, levels and dimensions as indicated on the Drawings. He shall report any errors or inconsistencies to the Landscape Architect before commencing and construction work.

The Contractor shall stake the entire project, both as to location of all construction items as well as finish grades. This stakeout may be accurate or rough, depending on the Contractor's preference and type of project. This stakeout shall be made early in the construction process and preserved for reference during construction.

The purpose of the staking, with inspection and adjustment by the Landscape Architect, is to adapt the design to the site rather than allow the design to be forced upon the site. Staking is subject to various degrees of adaptation which can only be determined by the Landscape Architect. This variation is an aesthetic decision, the amount of adjustment most often determined by the existing trees, terrain, soil conditions, utilities, sub-surface water and by other intangibles which are impractical to survey in absolute accuracy.

The Contractor shall notify the Landscape Architect at least five working days before inspection of the stakeout must be made. During the inspection the Landscape Architect will adjust the stakeout as necessary to fit the trees, topography, and all other objects and conditions on the site. At this time the Landscape Architect will clearly mark all trees and other vegetation to be removed. This staking-inspection process must take place prior to any tree removal, grading, construction, or any other work on the site.

During the inspection, the Contractor shall be at the site along with the person who will superintend the work under this contract.

The staking inspection process shall be repeated for any work not staked and approved or adjusted during the first site visit. No work shall ever be done without the stakeout first being adjusted and approved by the Landscape Architect. All alignment, dimensions and elevation of any grading, excavation, construction, and planting is subject to adjustment to accommodate existing conditions and to save trees and other vegetation.

Any work progress delays caused by inadequate, incomplete or improper staking shall not merit an extension of the contract or delay charges by the contractor.

The Landscape Architect shall have **2** days to respond to any request to come to the site and adjust a stakeout.

The Landscape Architect shall have a minimum of three (3) days to resolve any problems created by unknown conditions discovered during the stakeout or construction.

Contractor shall be responsible to adequately schedule his work to allow constant work to continue. When unknown conditions inhibit the flow of work the contractor shall continue unhindered portions elsewhere on the project and notify the Landscape Architect immediately.

- 1.7 Unknown Conditions: Subsurface Conditions: Should the Contractor encounter, during the progress of the work, subsurface latent physical conditions at the site, materially differing from those shown on the drawings or specified for unknown conditions of an unusual nature differing materially from those ordinarily encountered and generally recognized as inherent in

work of the character provided for in the drawings and Specifications, the attention of the Landscape Architect shall be called immediately to such conditions before they are disturbed. The Landscape Architect shall thereupon promptly investigate the conditions; and if he finds that they do so materially differ, the contract price shall, with the written approval of the Owner, be increased or decreased in accordance with such conditions.

- 1.8 Geo-Technical Assistance. The Contractor shall retain, at his own expense, the services of a qualified geo-technical engineer to advise on all construction techniques involved in the work, including the design, checking and approval of temporary bracing, shoring, underpinning and other items pertinent to the work, and on construction methods for solution of problems which may be encountered. The geo-technical engineer shall be primarily concerned with construction methods necessary to prevent settlement or failure of walkways, foundations and footings, and/or damage to such surrounding structures as sidewalks, roads, utilities, and embankments on the project site.
- 1.9 Existing Utilities Shown. Existing utility lines shown on the drawings, such as, cables, ducts, conduits, and piping shall, if damaged (unless they are to be abandoned) be immediately repaired, protected, and maintained in use until relocation of same has been completed or shall be cut and capped where directed or shall be prepared for service connections when so required.
- 1.10 Utilities Not Shown. Contractor shall be responsible for securing the services of a utility locator to determine any unknown utilities that may be on the site. Any utilities encountered that are not shown on the drawings and are to remain as active utilities, if inadvertently damaged by the Contractor, shall be repaired by him. An adjustment in the contract price will be made at rates determined by the Contractor and approved by the Landscape Architect. If an extra expense is incurred in protecting and maintaining any utility line not shown on the drawings, an adjustment in the price will be made. Contractor shall not be compensated if the utility was improperly located or omitted by locator if it is deemed that the utility could have been detected.
- 1.11 Inclusion of Accessories: Unless specifically mentioned otherwise, all anchors, bolts, screws, fittings, fillers, hardware accessories, trim and other parts required for, or in connection with, an item of material to make a complete, serviceable, finished and first quality installation shall be furnished and installed as part of the item whether or not shown on the drawings or specified.
- 1.12 Protection: All materials shall be shipped, stored and handled in a manner that will afford protection and insure their being in first class condition at the time they are incorporated in the work.

After installation all materials shall be properly protected against damage to insure their being in first class condition when the project as a whole is completed and accepted by the Owner.

- 1.13 Installation: All items shall be installed in a workmanlike manner in accordance with the best recognized practice of the trade. Manufactured items shall be installed in strict

accordance with the manufacturer's printed directions, specifications and/or recommendations. All working parts shall be properly adjusted after installation and left in perfect working order. Unless otherwise indicated, items exposed to weather or subject to flooding shall be installed so as to shed water. Items shall in all cases be installed plumb and true and/or in proper relation to surrounding materials.

Samples: Contractor shall be responsible for preparing samples as required in the Technical Specifications and to obtain approvals prior to construction of the item.

- 1.14 Reference to Standard Specifications: When standard specifications such as The American Society for Testing and Materials, Federal Specifications, Department of Commerce (Commercial Standards), American Institute of Steel Construction, or other well known public or trade associates are cited as a standard to govern materials, and/or workmanship, such specifications or portions thereof as referred to shall be equally as binding and have the full force and effect as though it were copied into these specifications. Such standard as are mentioned are generally recognized by and available to the trades concerned.
- 1.15 Reference to Manufacture's Publications: Unless otherwise specifically stated, all manufacturer's catalogs, specifications, instructions or other information or literature that are referred to in the specifications shall be considered as the latest edition and/or revision of such publication that is in effect on the date of the Invitation or Advertisement for Bids.
- 1.16 Document Signatures: Within five (5) days of notification of award or prior to execution of a contract, whichever is earliest, the Contractor shall file with the Landscape Architect a list of all persons in his firm who are authorized to sign documents such as contracts, certificates, and affidavits on behalf of the firm and to fully bind the firm to all the conditions and provisions of such documents.
- 1.17. Materials Furnished by Others: Whenever the Contractor or any Subcontractor shall receive items from another contractor or from the Owner for storage, erection or installation, the Contractor or Subcontractor receiving such items shall give receipts for items delivered, and any necessary replacing of item or items received. No adjustment will be made to contract price for increased insurance premiums, except for materials and/or equipment furnished by the Owner and not listed as such in other Contract Documents.
- 1.18. Substitute Materials and Equipment: Approval, by the Landscape Architect, of substitute materials and equipment shall not relieve the Contractor from his responsibility to supply and install any additional materials, equipment, or labor required to make the substitution properly function within the intent of the Contract Documents, as issued for Bid, whether or not recognized by the Landscape Architect or Contractor. The Contractor shall supply and install such required additional cost to the Owner.
- 1.19. Protection of Existing Structures: The Contractor shall be liable for all damage to existing structures that occurs as a result of his negligence to provide proper and adequate protective measures, including but not limited to buildings, walls, fences, paving, conduits, furniture, pipe, wiring, drains, underground utilities and equipment.

The Contractor shall be liable for all damage to trees, shrubs, turf and other vegetation. See Tree Penalty Clause in Tree Protection Specification.

- 1.20. Security Considerations: Construction shall not interfere with reasonable access to the adjacent structures or sites.

Contractor shall not interfere with reasonable use of park facilities outside his work limits.

- 1.21. Working Hours: Construction shall begin no earlier than 6:00 A.M. and may continue until nightfall or 7:00 P.M. whichever is later. Contractor may work Monday through Friday. Contractor may request special conditions for working hours and weekends if project conditions merit.

- 1.22. Order of Construction: The Contractor shall comply with the following order of construction.

The Contractor shall submit a progress schedule at the pre-construction conference outlining the order of his construction process - Priorities within this schedule shall be coordinated with the Owner.

Sequence of Work. Work is to be processed in an orderly manner. The organization of the Specifications or contract drawings does not necessarily indicate the order of sequence in which work is to be performed. If prior construction or other contracts on the contract site shall interfere with this work, the Landscape Architect shall declare the time and date when this contract can be started on the site.

Contractor shall not be granted extensions or delay charges when it is deemed clearly that Contractor could have continued work on other components of the project or locations on the site.

- 1.23. Record of Construction Changes and As-Built Documents: On completion of the work, the Contractor shall mark the appropriate contract drawings in indelible ink showing the final locations of all underground installations including, but not limited to, power lines, irrigation lines, sewage lines, drainage lines, septic tanks, fuel tanks, etc. They also shall record the proper location of all installations above ground where they have been changed on the site from designated locations on the plans.

Contractor shall provide electronic reproducible as-built plans to the Owner upon completion of the project.

- 1.24. Guarantee: The Contractor shall guarantee all work under this contract, to be free from defects of material and workmanship for a period of one year from the date of acceptance by the Landscape Architect, except as otherwise agreed upon in writing by the parties to the contract.

All landscape materials shall be guaranteed by the Contractor in accordance with Section 32 90 00. This guarantee does not apply as follows:

Theft and "Acts of God" damage are the responsibility of the Contractor until final approval. Repair of such damage is the responsibility of the Owner from the date of approval for the entire job is given until the end of the guarantee period.

- 1.25. Application for Payment: The Contractor shall be eligible to initiate an application for payment at the end of each month's work. The Contractor shall submit to the Owner's Representative, if it requires receipts or other vouchers, showing his payment for materials and labor, including payments to subcontractors. The application shall be forwarded directly to the Owner's Representative and shall reflect a contract agreed retainage on the work completed. Upon completion of the work, the Contractor can resubmit to the Owner's Representative an application for payment in full for the amount of the contract. Accompanying such application, the Contractor shall furnish an affidavit and such other information as the Owner's Representative may require as protection of the Owner against liens.
- 1.26. Certificates for Payment: Upon receipt of Application for Payment, Owner's Representative with the Landscape Architect shall make an inspection and issue to the Contractor a Certificate for Payment or state in writing to the Contractor a Certificate for Payment or state in writing to the Contractor the corrections which must be made according to the plans and Specifications before he shall be paid. These corrections shall be made at once, and the Owner's representative shall issue a Certificate for Payment on their acceptance. The Owner shall pay the full amount of the Certificate within fifteen (15) days after receiving the Certificate for Payment from the Owner's representative.
- 1.27. Maintenance: The Contractor shall be responsible for all maintenance, as required, until completion and acceptance of the work. Various items of maintenance are indicated in applicable sections of these Specifications, to which the Contractor is referred. The Owner shall become responsible for maintenance upon completion and acceptance of the work.

END OF SECTION 00 70 00