

**INVITATION TO BID
AND
GENERAL CONDITIONS FOR:**

HOMEWOOD-FLOSSMOOR PARK DISTRICT

**IRONS OAKS
PARKING IMPROVEMENTS
20000 Western Avenue
Olympia Fields, IL 60461**

BID OPENING ON:

January 16, 2020

TIME: 10:00 a.m.

LOCATION OF BID OPENING:

**HOMEWOOD-FLOSSMOOR PARK DISTRICT
GOLDBERG ADMINISTRATION CENTER
3301 FLOSSMOOR RD.
FLOSSMOOR, IL 60422**

BID BOND REQUIRED

Any questions please call:

**Cheryl Vargo
Manager, Irons Oaks
708/481-2330**

**INVITATION TO BID
Irons Oaks Parking Improvements**

INVITATION TO BID

**Homewood-Flossmoor Park District
3301 Flossmoor Rd
Flossmoor, IL 60422**

Re: Irons Oaks Parking Improvements

**Project Location: Irons Oaks
 2000 Western Avenue
 Olympia Fields, IL 60461**

The Homewood-Flossmoor Park District (the "District") is accepting bids for Irons Oaks Parking Improvements.

Specifications and Contract Documents may be obtained beginning January 6, 2020 at the District's Administrative Office at the Goldberg Center, 3301 Flossmoor Road, Flossmoor, IL 60422, Monday - Friday, 9:00 a.m. – 5:00 p.m., or in PDF format at the District's website: www.hfparks.com//bidsrfps/.

Each bid must be placed in a sealed opaque envelope with the Bidder's name, the date and time of the bid deadline and marked "**Sealed Bid**: – Homewood-Flossmoor Park District Irons Oaks Parking Improvements," and addressed to the Homewood-Flossmoor Park District, 3301 Flossmoor Road, Flossmoor, IL 60422, **Attention: Cheryl Vargo, Irons Oaks Manager**. Bids will be received until 10:00 a.m. on January 16, 2020 at which time the bid proposals will be publicly opened and read aloud at the Goldberg Administration Center, 3301 Flossmoor Road, Flossmoor, IL 60422.

The Homewood-Flossmoor Park District Board of Park Commissioners reserves the right to waive all technicalities, to accept or reject any or all bids, to accept only portions of a proposal and reject the remainder without disclosure for any reason. Failure to make such a disclosure will not result in accrual of any right, claim or cause of action by any Bidder against the Homewood-Flossmoor Park District.

Bids shall not include federal excise tax or state sales tax for materials and equipment to be incorporated in, or fully consumed in the performance of, the work. An Exemption Certificate will be furnished by the Homewood-Flossmoor Park District on request of the Bidder, for use in connection with this project only.

The Work of this Project is subject to the Illinois *Prevailing Wage Act*, 820 ILCS 130/0.01 *et seq.* A prevailing wage determination has been made by the Illinois Department of Labor for public works projects in Cook County. The Contract entered into for the Work will be drawn in compliance with said law and proposals should be prepared accordingly and provide for payment of all laborers, workmen, and mechanics needed to perform the Work at no less than the prevailing rate of wages (or the prevailing rate for legal holiday and overtime work) for each craft, type of worker, or mechanic.

All bid proposals must be accompanied by a bid bond or bank cashier's check payable to the Homewood-Flossmoor Park District for ten percent (10%) of the amount of the bid as provided in

the Instructions to Bidders. No proposals or bids will be considered unless accompanied by such bond or check.

The Contractor selected will also be required to comply with all applicable federal, state and local laws, rules, regulations and executive orders including but not limited to those pertaining to equal employment opportunity.

The District encourages women and minority business firms to submit bids and encourages bidders to utilize minority businesses for supplies, equipment and services.

Cheryl Vargo, Irons Oaks Manager
Homewood-Flossmoor Park District

Date: January 5, 2020

INSTRUCTIONS TO BIDDERS

1. DEFINITIONS

The Homewood-Flossmoor Park District and Owner are one and the same. The Owner's representative, Cheryl Vargo, can be contacted at the Homewood-Flossmoor Park District by phone or email: (708) 957-0280, cvargo@hfparks.com.

The word "Contractor" or "Bidder" shall mean the party bidding for or entering the Contract for the performance of the Work covered by the written Specifications and Drawings, and his/her legal representatives or authorized agents.

2. BID DOCUMENTS

The Bid Documents may be obtained beginning January 6, 2020 at the District's Administrative Office at the Goldberg Center, 3301 Flossmoor Road, Flossmoor, IL 60422, Monday - Friday, 8:00 a.m. – 5:00 p.m., or in PDF format at the District's website: www.hfparks.com//bidsrfps/.

3. SUBMISSION OF BID

- A. Bids shall be submitted only on the forms (Bid Form, List of Subcontractors, Bidder's Reference List and certifications provided in these documents (collectively, the "Contractor's Bid Forms"). The Contractor's Bid Forms shall be executed properly and all writing, including all signatures, shall be with black ink. Failure to use the Contractor's Bid Forms provided could result in rejection of the bid.
- B. All applicable blank spaces on the Contractor's Bid Forms shall be fully completed, and all amounts shall be in words as well as in figures where applicable.
- C. Erasures, interlineations, corrections, or other changes on the Contractor's Bid Forms shall be explained or noted over the signature of the Bidder. No bid submitted with deviations or reservations from the full contract called for will be considered.
- D. Bidders' prices are to include the delivery of all materials; including plant, equipment, supplies, tools, scaffolding, transportation, insurances, bonds, warranties, and all other items and facilities, and the performance of all labor and services, necessary for the proper completion of the work except as may be otherwise expressly provided in the Contract Documents. Bids shall not include federal excise tax or state sales tax for materials to be incorporated in, or totally consumed in the prosecution of, the Work. An exemption certificate will be furnished by the Park District upon request of the Bidder.
- E. Bidder must acknowledge all Addenda received in the spaces provided on the Bid Form. By submitting a bid, Bidder indicates that all considerations issued by Addendum are incorporated in the bid.
- F. Contractor is required to complete the Contractor's Compliance and Certification Attachment/ Substance Abuse Prevention Program Certification regarding the

Bidder's compliance with applicable laws. **Failure of a Bidder to complete/submit the required certifications shall be the basis for immediate rejection of that Bidder's bid.** The certifications of the successful Bidder shall become a part of the Contract with the Park District.

- G. Bids shall be submitted in sealed in an opaque envelope, marked with the name of the Bidder, the date and time of the bid opening and addressed as follows:

Homewood-Flossmoor Park District
Attention: Cheryl Vargo, Manager, Irons Oaks
3301 Flossmoor Road
Flossmoor, IL 60422

**Sealed bids for: Homewood-Flossmoor Park District
Irons Oaks Parking Improvements Project**

- H. Bid documents shall be delivered or mailed in time for delivery to the foregoing address no later than January 16, 2020 at 10:00 a.m. Oral bids or oral modifications to bids will not be considered. It is the sole responsibility of the Bidder to see that his bid is received in proper time. **No faxed or e-mail bid or modification of a bid will be considered.** The Park District is not responsible for the premature opening of bids not marked as required. Any bid opened prematurely due to the failure of the Bidder to mark the envelope in accordance with these Bid Documents will be considered non-responsive.
- I. Bids will be publicly opened on the due date.

4. EXAMINATION OF DOCUMENTS AND SITE

Each Bidder shall visit the site(s) of the proposed Work and fully acquaint himself with conditions, as they exist, and shall undertake such additional inquiry and investigation as he shall deem necessary so that he may fully understand the requirements, facilities, possible difficulties and restrictions attending the execution of the Work under the Contract. Bidder shall thoroughly examine and be familiar with all of the Bid Documents including, but not limited to, the Drawings and the written Specifications. Any conflicts or discrepancies found between or among Bid Documents including, but not limited to, the Drawings and written Specifications and the site conditions, or any errors, omissions or ambiguities in the Drawings or written Specifications shall be immediately reported to the Park District and written clarification requested prior to submission of a bid.

The failure or omission of any Bidder to obtain, receive or examine any form, instrument, or information or to visit the Project site(s), and become knowledgeable with respect to conditions there existing, or to seek needed clarification shall in no way relieve any Bidder from any obligations with respect to his bid. By submitting a bid, the Bidder agrees, represents and warrants that he has undertaken such investigation as he deemed necessary, has examined the site(s) and the Bid Documents, has obtained all needed clarifications and where the Bid Documents indicate in any part of the Work, that a given result be produced, that the Bid Documents are adequate and the required result can be produced as indicated in the Specifications and Drawing(s). Once the award has been made, failure to have undertaken and

completed the foregoing tasks shall not be cause to alter the original Contract or to request additional compensation.

5. INTERPRETATIONS

All questions about the bid documents need to be submitted in writing to the Homewood-Flossmoor Park District and shall be received on or before 1:00 p.m. on January 11, 2020.

Submit questions via e-mail to Cheryl Vargo, cvargo@hfparks.com, fax (708) 481-1454, or via mail at 3301 Flossmoor Rd., Flossmoor, IL 60422.

The Park District shall in all cases determine the amount or quantity of the several kinds of Work which are to be paid for under this Contract, and shall decide all questions which may arise relative to the execution of the Contract on the part of the Contractor, and all estimates and decisions shall be final and conclusive. The Park District shall have the right to make alterations in the lines, grades, plans, forms, or dimensions of the Work herein contemplated either before or after the commencement of the Work. If such alterations diminish the quantity of the Work to be done, they shall not constitute a claim for damage or for anticipated profits on the work dispensed with, or if they increase the amount of Work, such increase shall be paid according to the quantity actually done and at the price or prices stipulated for such Work in the Contract. The Park District reserves the right to approve, an equal to or superior to product or equipment required under the Specifications, or to reject as not being and equal to or superior to the product or equipment required under the Specifications. If the Bidder is in doubt as to the interpretation of any part of the Bid Documents, or finds errors, discrepancies or omissions from any part of the Contract Documents, he must submit a written request for interpretation thereof not later than five (5) days prior to opening of bids to the Park District. If an error or omission is discovered in the Bid Documents after the bid opening, the Park District reserves the right: i) to determine whether to require the submission of new bids; or ii) if the error or omission is of such a nature that it was reasonably discoverable upon a careful review of the Bid Documents, to award the Contract to the lowest responsive and responsible Bidder as determined by the Park District and to require that Contractor to perform the Work in accordance with an issued correction by the Park District and for the amount bid by the Contractor. Such decisions are final and not subject to recourse. Errors and omissions made by the Bidder cannot be corrected after the bid opening.

6. ADDENDA

Any interpretation, correction to, or addition to the Bid Documents will be made by written Addendum and will be delivered by mail or fax to each prime Bidder of record. The written Addenda constitute the only interpretations of the Bid Documents; the Park District accepts no responsibility for any other claimed interpretations or communications.

It is the responsibility of each Bidder to verify that he has received all Addenda prior to submitting a bid. It is also the responsibility of each Bidder to verify that all subcontractors and material suppliers whose prices are incorporated in the Bidder's bid are familiar with the Bid Documents in their entirety, including all Addenda issued up to the time of bid opening.

In the event a conflict or omission is discovered in the Bid Documents after the issuing of the last Addendum such that an interpretation cannot be issued by the Park District prior to bidding, the Bidder is directed to estimate on and provide the quantity and quality of material and labor consistent with the overall represented and indicated Work so as to provide all materials,

equipment, labor, and services necessary for the completion of the Work in accordance with the Bid Documents.

7. SUBSTITUTIONS DURING BIDDING

Unless otherwise indicated, the use of brand names in the Specifications are used for the purpose of establishing a grade or quality. Bidders proposing to use an alternate that is equal to or superior to in every respect the product or material required by the Specifications must request approval in writing to the Park District at least seven (7) business days prior to the bid opening and mark the item as 'or approved equal'.

Additionally, Bidders requesting approval for use of an alternate must provide certification by the manufacturer that the substitute proposed is equal to or superior in every respect to that required by the Contract Documents, and that its in-place performance will be equal to or superior to the product or equipment specified in the application indicated. The Bidder, in submitting the request for substitution, waives the right to additional payment or an extension of Contract Time because of the failure of the substitute to perform as represented in the request for substitution.

The Park District may request additional information or documentation necessary for evaluation of the request for substitution. The Park District will notify all Bidders of acceptance of the proposed substitute by means of an Addendum to the Bid Documents. Park District's approval of a substitute during bidding does not relieve the Contractor of the responsibility to submit required shop drawings and to comply with all other requirements of the Contract Documents, including but not limited to proper performance of all components of the Work and suitability for the uses specified.

Bids proposing alternates not previously approved by the Park District will be considered non-responsive and rejected. The Park District reserves the right to determine whether a substituted selection, in its judgment, is equal to or better quality and therefore an acceptable alternate. Such decisions are final and not subject to recourse.

8. MODIFICATION OR WITHDRAWAL OF BIDS

Bidders may withdraw or cancel their bids at any time prior to the advertised bid opening time by signing and submitting a request for said withdrawal. After the bid opening time, no bid shall be withdrawn or canceled for a period of sixty (60) calendar days.

9. QUALIFICATION OF BIDDERS

Bidders must be able to demonstrate that they: 1) have experience in performing and have successfully performed and are still actively engaged in performing work similar in kind and scope to the Work of the Project; and 2) are able to show that they have adequate laborers and materials to successfully complete the Work as indicated in the Bid Documents and within the time required by the Bid Documents. The Contractor shall not have been debarred or determined ineligible for public contracts by any governmental agency.

The following information must be attached to the bid proposal. Failure to do so may result in disqualification of the Bidder.

- A. On a separate sheet, list all construction projects your organization has in progress, giving the name of the project, project description, project address, owner and

telephone number, architect and telephone number, contract amount, percent complete, and scheduled completion date.

- B. On the Bidder's Reference List form provided herein, list at least three (3) construction projects your organization has completed in the past five (5) years, which are comparable in scope, giving the name of the project, project description, project address, owner and telephone number.
- C. On the List of Subcontractors form provided herein, provide a list of anticipated subcontractors, if any, including their firm names, addresses and telephone numbers. All subcontractors to be used shall be approved by the Owner. If the Contractor subcontracts any part of the Work for this project, the Contractor shall not under any circumstances be relieved of his liabilities and obligations; any subcontractor for this project will be recognized only in the capacity of an employee of the Contractor.
- D. On a separate sheet, list all administrative proceedings and litigation filed by or against Bidder in the past five (5) years, including the name and case number, name/jurisdiction of the court or administrative agency, and a summary of each claim/case, including current status and if no longer pending, the disposition. The foregoing includes but is not limited to information regarding any proceedings and actions taken by any governmental agency to debar or disqualify the Bidder from bidding on public contracts, including the name of the agency initiating the proceeding/action, the nature of the proceeding/action, the claimed basis for the proceeding/action and the current status or disposition of the proceeding/action.
- E. On a separate sheet, indicate all instances in which Bidder has been rejected for not being a responsible bidder, giving the name of the project, project description, project address, owner and telephone number, architect and telephone number, contract amount, and an explanation of the circumstances surrounding the rejection.
- F. On a separate sheet, provide a list of all contracts to which you were a party and with respect to which you were declared to be in breach of one or more provisions, giving a the type of contract, the project location where applicable, the names and addresses of the parties to the contract, the name of the party declaring the breach, the nature of the claimed breach and current status or resolution of the claim. If a construction contract, also provide the name, address and telephone number of the architect and, if applicable also the construction manager or Owner's representative.
- G. Other required submittals include: Bid Form; Contractor's Compliance and Certification Attachment/ Substance Abuse Prevention Program Certification. **Failure of a Bidder to complete/submit these documents shall be the basis for immediate rejection of that Bidder's bid.**
- H. The Park District reserves the right to require of any Bidder such information to verify the Bidder's qualifications and financial status and to withhold formal signing of the contract until such information is received.

10. ACCEPTANCE OR REJECTION OF BIDS

The Park District may accept the bid of, and award the contract for the Work to, the lowest responsive and responsible Bidder as determined by and in the sole discretion of the Park District.

The Owner reserves the right to (1) reject all bids; (2) reject only certain bids which are non-conforming or non-responsive to the bid requirements; (3) accept only a portion, part or specific items of Work of all and reject others, as the Owner shall in its sole discretion determine to be in its best interest; and/or (4) award the Contract to the responsible Bidder submitting the lowest bid responsive to the bidding requirements. No bid will be accepted from or Contract awarded to any person, firm or corporation that is in arrears or is in default to the Park District upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to said Park District or that has failed to perform faithfully any previous contract with the Park District.

In the event of a rejection of a portion, part, or certain items of Work of all bids, the bid of each Bidder shall automatically be deemed reduced by the amount of such rejected part or item at the unit price or other cost designated therefore by that Bidder on its submitted Contractor Bid Form. The successful Bidder so selected may not refuse to enter into a Contract with the Owner on the basis that the Owner awarded a Contract for less than all portions or items of the Work specified in the Bid Documents. The Homewood-Flossmoor Park District Board of Park Commissioners reserves the right to waive any technicalities or irregularities, and to disregard any informality on the bids and bidding, when in its opinion the best interest of the Park District will be served by such actions and in accordance with applicable law.

11. SURETY

All bids must be accompanied by a bid bond or bank cashier's check payable to the Homewood-Flossmoor Park District for ten percent (10%) of the amount of the bid and drawn on a responsive and responsible bank doing business in the United States. All bids not accompanied by a bid security, when required, will be rejected.

The bid security of all except the three (3) lowest responsive and responsible Bidders will be returned after the decision to accept or reject bids by the Homewood-Flossmoor Park District Board of Park Commissioners. The bid security of the three lowest bidders will be returned after acceptance by the Park District of an acceptable Performance Bond, Labor and Materials/Payment Bond and a certificate of insurance naming the Homewood-Flossmoor Park District as the certificate holder and as additional insured from the successful Bidder, and the successful Bidder has executed and returned to the Park District the Contract for the Work presented by the Park District.

Prior to beginning Work, the successful Bidder shall furnish a Performance Bond, and Labor and Materials/Payment Bond in the amount of 110% of the Contract Sum, using a form similar to the AIA-A312-2010 form, or its current equivalent, or one acceptable to Owner, cosigned by a surety company licensed to conduct business in the State of Illinois and with at least an "A" rating and a financial rating of at least "X" in the latest edition of the Best Insurance Guide. Said bond shall guarantee the faithful performance of the Work in accordance with the Contract, the payment of all indebtedness incurred for labor and materials, and guarantee correction of Work. The cost of each bond shall be included in the Contract Sum. The Bidder and all Subcontractors shall name the Park District as an obligee on all bonds. Said bonds shall meet the requirements of the Illinois Public Construction Bond Act, 30 ILCS 550/0.01 et seq. and any further amendments thereto.

Bidder shall include in its Performance Bond and Labor and Material Payment Bond such language as shall guarantee the faithful performance of the Prevailing Wage Act as required in these Bid Documents.

The Performance Bond and Labor and Material Payment Bond will become a part of the Contract. The failure of the successful Bidder to enter into the Contract and supply the required bonds and evidence of insurance within ten (10) days after the Contract is presented for signature, or within such extended period as the Park District may grant, shall constitute a default, and the Park District may either award the Contract to the next responsible Bidder, or re-advertise for bids. In the event of a default, the Owner need not return the defaulting Bidder's bid surety and may charge against the defaulting Bidder for the full difference between the amount for the bid and the amount for which a Contract for the Work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the defaulting Bidder's bid surety, provided that the District's retention of the bid guarantee shall not preclude the District from holding the Bidder fully liable for any and all damages which are in excess of said partial liquidated damages, and which shall otherwise be incurred by the District, including reasonable attorneys' fees, arising from the Bidder's failure to enter into said Contract and to deliver the same back to the District within said ten (10) day period.

12. ACCEPTANCE AND CONTRACT

Owner will award the Contract to the lowest most responsible and responsive Bidder, as determined by Owner. In considering the Bidder's responsibility, the Owner may evaluate, among other factors, the ability of the Bidder to provide experienced labor sufficient in numbers to timely and properly complete the services, conformity with the specifications, serviceability, quality, and the financial capability of the Bidder, and the performance of the Bidder on other projects.

The Owner shall have the right to accept Alternates in any order or combination, and to determine the low Bidder on the basis of the sum of the Base Bid and Alternates accepted.

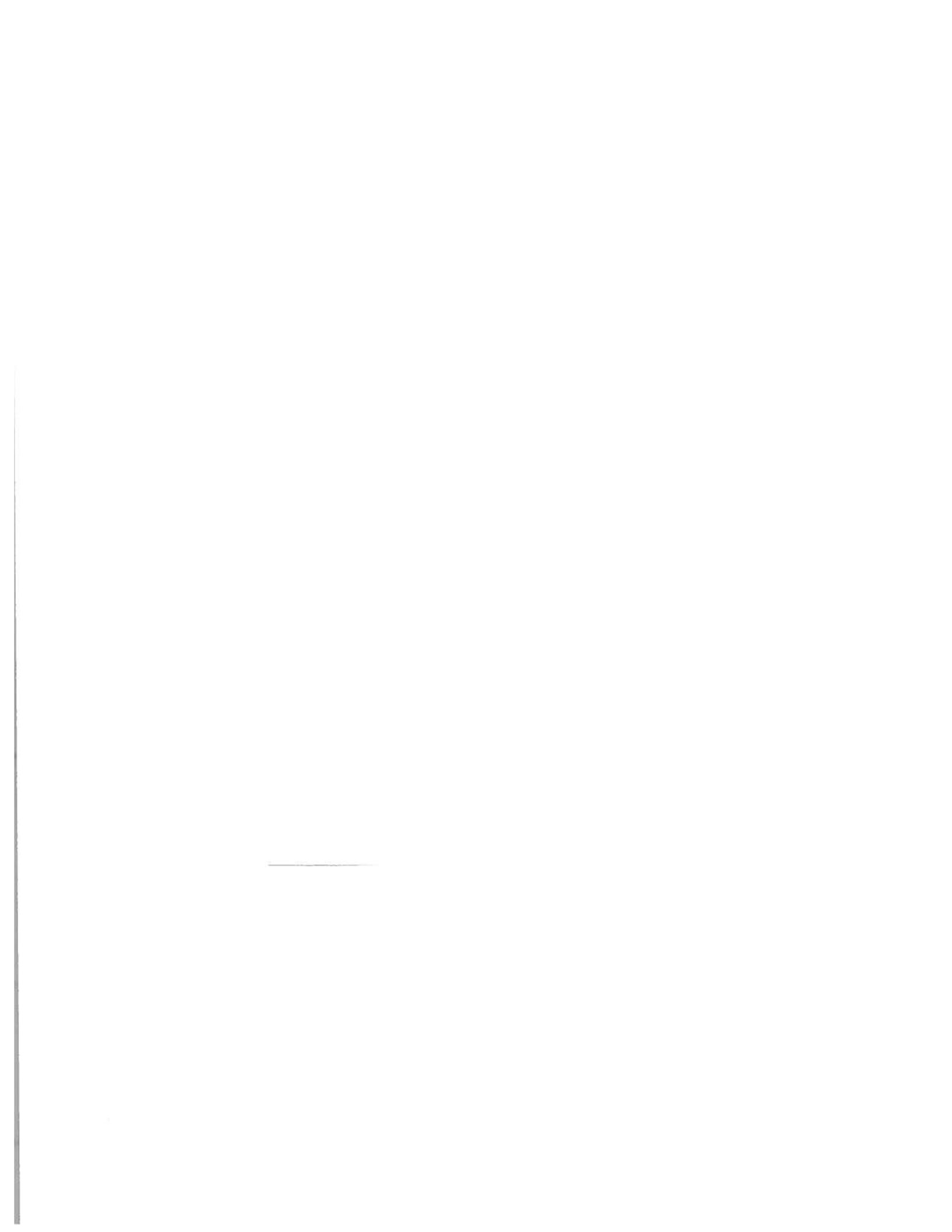
Bids will be awarded to one Bidder for the entire Project or to any combination of Bidders for any portion(s) of the Project. If specified in the Bid Form, awards will be based upon the submitted unit prices.

The acceptance of a bid will be by a Notice of Award, signed by a duly authorized representative of the Park District; no other act by the Park District shall constitute the acceptance of a bid. The acceptance of a bid by the Park District shall bind the successful Bidder to execute and perform the work of the Contract. The successful Bidder to whom the Contract is awarded by the Park District shall sign and deliver to the Park District for execution by the Park District all required copies of the Contract, along with all required insurance and surety documents within ten (10) days after presentation to him of the Contract for signature. In case the Bidder shall fail or neglect to do so, he will be considered as having abandoned the Contract, and as being in default to the Owner. The Owner may thereupon re-advertise or otherwise award said Contract and forfeit the Bid Security.

The Invitation to Bid, Instructions to Bidders, General Conditions, Supplementary and/or Special Conditions, if any, Drawings, Specifications, Contractor Bid Forms, including all Contractor Certifications, the Addenda, if any, and the Prevailing Wage Determination and Supersedes Notice

comprise the Bid Documents. The Bid Documents, together with the Standard Abbreviated Form of Agreement Between Owner and Contractor, AIA Document A104-2017, as modified by the Park District and included in these Bid Documents, and the Performance Bond and Labor Material Payment Bond and proof of insurance comprise the Contract Documents.

4852-2517-4191, v. 2



**CONDITIONS OF THE CONTRACT
HOMEWOOD-FLOSSMOOR PARK DISTRICT
IRONS OAKS
PARKING IMPROVEMENTS
20000 Western Avenue
Olympia Fields, IL 60461**

GENERAL CONDITIONS

The General Conditions are the General Provisions of the Standard Abbreviated Form of Agreement Between Owner and Contractor, AIA Document A104-2017, as modified by the Park District and included in these Bid Documents (the "General Conditions").

SUPPLEMENTARY CONDITIONS

The General Conditions are hereby amended to include the following:

1. COMMENCEMENT AND COMPLETION DATE

Contractor shall achieve Substantial Completion on or before April 23, 2020 and shall achieve Final Completion on or before April 30, 2020, unless otherwise extended by agreement of the parties pursuant to the General Conditions.

2. USE OF THE SITES

The Contractor shall confine all equipment, the storage of materials and the operations of its workers, to limits indicated by law, ordinances, permits, or directions of the Owner and shall not unreasonably encumber the site with such materials. The site shall not be utilized for the storage of vehicles, materials, equipment, or fixtures not intended for the Work to be performed.

3. COOPERATION WITH UTILITIES

The Contractor shall notify all utility companies, public and private, as necessary in advance of commencing performance of the Work. The responsibility for moving water lines, gas lines, wire lines, service connections, water and gas meter boxes, water and gas valve boxes, light standards, cable ways, signals and all other utility appurtenances which are within the limits of the proposed construction will be assumed by the Contractor, at no additional compensation.

The Contractor shall verify the location of all utilities prior to the start of construction and shall be responsible for the preservation of existing utility installation and the cost of providing precautionary supports, braces, etc. to insure against damage to said utility installation.

The cost to repair and replace any new or existing utilities damaged will be paid for by the Contractor.

It is understood and agreed that the Contractor has considered in its bid all of the permanent and temporary utility appurtenances in their present or relocated positions and that no additional compensation will be allowed for delays, inconvenience, or damage sustained by the Contractor,

due to any interference from the said utility appurtenances or the operation of moving them either by the utility company or by the Contractor, or on account of any special construction methods required in performing the Work due to the existence of said appurtenances whether in their present or relocated positions.

4. PROTECTION OF PROPERTY -SAFETY RESPONSIBILITY

In accordance with the Specifications, the Contractor shall protect all existing property and improvements within the Project site and those adjacent to the Owner's property in a manner agreed upon between the Owner and Contractor. The Contractor shall be responsible for the repair cost of any damage created by its operations or the operations of any subcontractors.

Contractor shall comply with State and Federal regulations as outlined in the latest revision of the Federal Construction Safety Standards and with applicable provisions and regulations of Occupation Safety and Health Administration (OSHA), Standards of the William-Steiger Occupational Health and Safety Act of 1970 (revised). The Contractor and Owner shall each be responsible for their respective agents and employees.

The Contractor shall be obligated to indemnify, hold harmless and protect the Owner, its officers, employees and agents, from any actions or suits instituted as a direct or indirect result of any injury or damage consequent upon any failure to use or misuse by the Contractor, its agents and employees and any subcontractor, its agents and employees, of any ladder, support or other mechanical contrivance erected or constructed by any person or any or all kinds of equipment whether or not owned by or furnished by the Owner.

5. INSURANCE

BIDDER'S ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW. IT IS HIGHLY RECOMMENDED THAT THE BIDDER CONFER WITH ITS INSURANCE CARRIER REGARDING THESE REQUIREMENTS. FAILURE TO MEET THESE REQUIREMENTS IS CAUSE FOR CANCELLATION OF THE CONTRACT.

The successful Bidder shall obtain insurance of the types and in the amounts listed below.

a. Commercial General and Umbrella Liability Insurance

The successful Bidder shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella insurance with a limit of not less than \$2,000,000 each occurrence. If such CGL insurance contains a general aggregate limit, it shall apply separately to this project/location.

CGL insurance shall be written on Insurance Services Office (ISO) occurrence form CG 00 01 04 13, or a substitute form providing equivalent coverage, and shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal injury and advertising injury, and liability assumed under an insured contract (including the tort liability of another assumed in a business contract).

The District, its elected and appointed officials, employees, agents and volunteers shall be included as an additional named insured under the CGL, using ISO additional insured endorsement CG 20 26 or a substitute providing equivalent coverage, and under the commercial umbrella, if any. This insurance shall apply as primary insurance with respect to any other insurance or self-insurance afforded to District. Any insurance or self-insurance maintained by the District shall be deemed excess of such bidder's insurance and shall not contribute with it.

b. Continuing Completed Operations Liability Insurance

Contractor shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella liability insurance with a limit of not less than \$2,000,000 each occurrence for at least three years following Substantial Completion of the Work.

Continuing CGL insurance shall be written on ISO occurrence form CG 00 01 04 13, or substitute form providing equivalent coverage, and shall, at minimum, cover liability arising from products-completed operations and liability assumed under an insured contract.

Continuing CGL insurance shall have a products-completed operations aggregate of at least two times its each occurrence limit.

Continuing commercial umbrella coverage, if any, shall include liability coverage for damage to the insured's completed work equivalent to that provided under ISO form CG 00 01.

c. Business Auto and Umbrella Liability Insurance

The successful Bidder shall maintain business auto liability and, if necessary, commercial umbrella liability insurance with a limit of not less than \$1,000,000 each accident. Such insurance shall cover liability arising out of any auto including owned, hired and non-owned autos.

Business auto insurance shall be written on Insurance Services Office (ISO) form CA 00 01, CA 00 05, CA 00 12, CA 00 20, or a substitute form providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage equivalent to that provided in the 1990 and later editions of CA 00 01.

d. Workers Compensation Insurance

The successful Bidder shall maintain workers compensation and employers liability insurance. The commercial umbrella and/or employers liability limits shall not be less than \$1,000,000 each accident for bodily injury by accident or \$1,000,000 each employee for bodily injury by disease.

Such Bidder waives all rights against District and its officers, officials, employees, volunteers and agents for recovery of damages arising out of or incident to such Bidder's activities.

e. General Insurance Provisions

i. Evidence of Insurance: The successful Bidder shall furnish the District with a certificate(s) of insurance and applicable policy endorsement(s), executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements set forth above.

All certificates shall provide for 30 days' written notice to the District prior to the cancellation or material change of any insurance referred to therein. Written notice to the District shall be by certified mail, return receipt requested.

Failure of the District to demand such certificate, endorsement or other evidence of full compliance with these insurance requirements, or failure of the District to identify a coverage deficiency from evidence that is provided, shall not be construed as a waiver of such Bidder's obligation to maintain such insurance.

The District shall have the right, but not the obligation, of prohibiting such Bidder from entering the premises until such certificates or other evidence that insurance has been placed in complete compliance with these requirements is received and approved by District.

Failure to maintain the required insurance may result in termination of the Contract entered by the parties at the District's option.

With respect to insurance maintained after final payment in compliance with a requirement above, an additional certificate(s) evidencing such coverage shall be promptly provided to the District upon request.

Such Bidder shall provide certified copies of all insurance policies required above within 10 days of the District's written request for said copies.

ii. Acceptability of Insurers: All insurance companies shall maintain a rating no less than A-VII from A.M. Best, based on the most recent edition of the A.M. Best's Key Rating Guide. If the Best's rating is less than A-VII or a Best's rating is not obtained, the District has the right to reject insurance written by an insurer it deems unacceptable.

iii. Cross-Liability Coverage: If Contractor's liability policies do not contain the standard ISO separation of insured's' provision, or a substantially similar clause, they shall be endorsed to provide cross-liability coverage.

iv. Deductibles and Self-Insured Retentions: Any deductibles or self-insured retentions must be declared to the District. At the option of the District, the successful Bidder may be asked to eliminate such deductibles or self-insured

retentions as respects the District, its officers, officials, employees, volunteers and agents, or such Bidder may be required to procure a bond guaranteeing payment of losses and other related costs, including, but not limited to, investigations, claims administration and defense expenses.

f. Subcontractors

Contractor shall cause each subcontractor employed by Contractor to purchase and maintain insurance of the type specified above. When requested by the Owner, Contractor shall furnish copies of certificates of insurance evidencing coverage for each subcontractor.

6. INDEMNIFICATION

To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner and its officers, officials, employees, volunteers and agents from and against all claims, damages, losses and expenses including but not limited to legal fees (attorney's and paralegals' fees and court costs), arising out of or resulting from the performance of the Contractor's work, provided that any such claim, damage, loss or expense (i) is attributable to bodily injury, sickness, disease or death, or injury to or destruction of tangible property, other than the work itself, including the loss of use resulting therefrom and (ii) is caused in whole or in part by any wrongful or negligent act or omission 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, regardless of whether or not it is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this Paragraph. Contractor shall similarly protect, indemnify and hold and save harmless the Owner, its officers, officials, employees, volunteers and agents against and from any and all claims, costs, causes, actions and expenses including but not limited to legal fees, incurred by reason of Contractor's breach of any of its obligations under, or Contractor's default of, any provision of the Contract.

Nothing contained herein shall be construed as prohibiting the District, its officers, employees or agents from defending, through the selection and use of their own agents, attorneys and experts, any claims, suits, demands, proceedings or actions brought against them. The District's participation in its defense shall not remove the successful Bidder's duty to indemnify, defend and hold the District harmless as set forth herein.

The indemnification required hereunder shall not be limited by reason of the enumeration of insurance coverage herein provided.

The successful Bidder's indemnification of the District shall survive the termination or expiration of the Contract.

7. WARRANTY

The Work performed and the materials and equipment installed under this Contract shall be in compliance with the Contract Documents and must be guaranteed by the Contractor for a period of twelve (12) months from Final Completion or for the period(s) set forth in the scope of

work/specifications, whichever is longer, against defective workmanship and material of any nature. On all material or equipment incorporated, the Contractor and its Surety must guarantee that the type, quality, design and performance will fully meet the requirements of the Specifications and Drawings. Neither final payment nor termination of the guarantee period, nor any provision in the Contract Documents shall relieve the Contractor of the responsibility for negligence, faulty materials, or workmanship within the extent and period provided by law, and upon written notice he/she shall remedy any defects due thereto, and shall pay all expenses for any damage to other work resulting therefrom.

8. **COMPLETION OF WORK**

All work, as either implied or reasonably inferable from the contract documents and specifications shall be the responsibility of the Contractor. All specifications are directed to the attention of the Contractor and the inclusion of any work by mention, note, detail, itemization or implication, however brief, means that the Contractor shall provide and install same. All work performed shall include all appurtenances and apparatus normally deemed to be a part of a completed package within the definitions of normal industry standards.

9. **SUPERVISION**

The Contractor is to provide a full-time superintendent on the project to coordinate all subcontractors' work and supervise the daily activity of the project as well as maintain the site in a safe clean manner.

10. **SITE CONDITIONS**

All Contractors' work shall be performed in a first-class, workmanlike manner, cutting, patching, matching and aligning all surfaces where applicable to afford a finished neat appearance. Contractor shall clean all surfaces free of dirt and refuse caused by debris from all installation techniques of the trade. All adjacent surfaces to their work shall be left as they appear prior to the commencement of the Contractor's work to be done. Contractor shall properly protect all adjacent surfaces during the course of this installation.

11. **OWNER INSPECTION**

The District's representative shall have access to the site at all times and to the factory or shop of any of the subcontractors. Any inferior material or workmanship shall be removed upon demand and work shall be reconstructed as approved by the Owner at the Contractor's sole expense.

12. **OTHER CONTRACTS**

The Owner reserves the right to let other contracts in connection with the work of the project. The Contractor shall be responsible for coordination of work and establishing schedules for all trades; and shall afford other contractors reasonable opportunity for the introduction and storage of their materials and equipment and the execution of their work.

13. **CHANGES TO THE WORK**

The District reserves the right to make changes in the specifications as the work progresses. Bulletins, change orders, drawings, specifications or instructions covering such changes will be issued to the Contractor whose responsibility it will be to distribute these immediately and to notify the field office and all subcontractors affected to take such measures as may be necessary to avoid errors in the work which may occur due to the use of superseded drawings. Work affected by changes proposed in any revised drawings or other documents issued to the Contractor shall not be executed unless changes are accompanied by letter of authorization to proceed accordingly. In cases where instructions accompanying any issue of revised drawings or specifications request estimates of cost involved, such estimates shall be prepared and submitted promptly in order not to unduly affect the progress of the work.

14. **SHOP DRAWINGS**

All contractors shall submit all shop drawings for approval to the Owner prior to commencement of work. Shop drawing submittals shall be in the form of (5) black and white prints of each drawings; (5) catalog cut sheets; and (1) PDF file as applicable. Approval of shop drawing shall indicate only that such drawings generally express the intent of the contract documents and shall neither be construed as a complete check nor relieve the Contractor of responsibility for quantities and dimensions, or full performance of the work. All Contractors shall submit cuts, samples and finishes for written approval prior to ordering of fabrication. A tentative shop drawing submittal schedule with proposed review dates is requested from the Contractor.

SPECIAL CONDITIONS

1. Unless expressly agreed otherwise by the District, the Irons Oaks facility shall remain open to the public for the duration of the Project. As such, Contractor shall maintain the Project site in a manner that ensures safe access to Irons Oaks' amenities by the public, Park District staff and others requiring access to Irons Oaks. Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.

**BID FORM
HOMEWOOD-FLOSSMOOR PARK DISTRICT
IRONS OAKS
PARKING IMPROVEMENTS**

(Please complete in ink, and print or type)

TO: Homewood-Flossmoor Park District
3301 Flossmoor Road
Flossmoor, Illinois 60422

FROM: _____
NAME OF BIDDER

STREET ADDRESS

CITY STATE ZIP

PHONE

EMAIL ADDRESS

FOR: IRONS OAKS PARKING IMPROVEMENTS

By submission of its bid, the Bidder acknowledges, agrees, represents, declares and warrants:

- A. That he has carefully examined the written Specifications and Drawings and is thoroughly familiar therewith, and that he has visited the site of the proposed Work to arrive at a clear understanding of the conditions under which the Work is to be done, and that he has compared the site with the Drawings and Specifications and has satisfied himself as to all conditions affecting the execution of the Work;
- B. That all modifications have been submitted with this bid;
- C. That he has checked carefully the bid figures and understands that he shall be responsible for any errors or omissions based on these Specifications and alternates as submitted on the Bid Proposal Form;
- D. That it is understood and agreed that the Homewood-Flossmoor Park District reserves the right to accept or reject any or all bids, or to combine or separate any section or work, and to waive any technicalities;
- E. To hold the bid open for sixty (60) days subsequent to the date of the bid opening;
- F. To enter into and execute a Contract with the Owner within ten (10) days after the date of the Notice of Award, if awarded on the basis of this bid, and in connection therewith to:
 - (a) Furnish all bonds and insurance required by the Contract Documents;
 - (b) Accomplish the Work in accordance with the Contract Documents; and
 - (c) Complete the Work within the time requirements as set forth in the Bid Documents.
- G. That if this bid is accepted, the Bidder is to provide all of the necessary equipment, tools, apparatus, labor, and other means of construction, and to do all of the Work and to furnish all of the materials specified in

the Bid Documents in the manner and at the time therein prescribed, and in accordance with the requirements set forth;

- H. To commence Work as specified in the Instructions to Bidders, and to prosecute the Work in such a manner, and with sufficient materials, equipment and labor as will ensure its completion within reasonable time, it being understood and agreed that the completion within such reasonable time is an essential part of this Contract;
- I. That any and all prices stated in the proposal include all costs of labor, materials, equipment, insurance, bonds, overhead and profit, and any and all other costs normal to doing business.

The undersigned Bidder agrees to perform the Work for the following lump sum price:

Bid Proposal Form
Irons Oaks Environmental Learning Center Parking Improvements

Contractor: _____

TO: Homewood -Flossmoor Park District
 Irons Oaks Environmental Learning Center Parking Improvements
 3301 Flossmoor Road
 Flossmoor, IL 60422

The undersigned bidder has carefully examined the plans and specifications for Irons Oaks Environmental Learning Center Parking Improvements in Olympia Fields, Illinois, as prepared by Upland Design Ltd. and having carefully examined the site and completely familiarized him/herself with local conditions affecting the cost of the work: hereby states that he/she will provide all necessary labor, equipment, tools, machinery, apparatus and all other means of construction, do all the work and furnish all materials called for by said plans and specifications in the manner prescribed by in accordance with the requirements of the contract, specification and drawings: and will accept as full and complete payment therefore the base bid amount which is the summation of the cost of the items of work and is equal to the summation of the extension of the unit prices.

Description of abbreviations:

SF = Square Feet
 EA = Each

CY = Cubic Yard
 CF = Cubic Feet

LF= Lineal Feet
 LS = Lump Sum

BASE BID

Item #	Description	Quantity	Unit	Installed Unit Price	Item Total
1	Site Preparation, earthwork, grading, removals, inlet protection and stabilized construction entrance, complete	1	L.S.	\$	\$
2	Silt Fence	599	L.F.	\$	\$
3	Asphalt Paving - Parking	754	S.Y.	\$	\$
4	Asphalt Striping including ADA Stalls	1	L.S.	\$	\$
5	8" Concrete Paving	144	S.F.	\$	\$
6	ADA Parking Sign	1	EACH	\$	\$
7	ADA Van Accessible Sign	2	EACH	\$	\$
8	Wheelstops	23	EACH	\$	\$
12	4" Perforated PVC	120	L.F.	\$	\$
13	Observation Well	1	EACH	\$	\$
14	Riprap	1	S.Y.	\$	\$
15	Bioswale	1	L.S.	\$	\$
16	Relocated Oak	1	EACH	\$	\$
17	Lawn Restoration	1	L.S.	\$	\$
18	Security Lighting Pole and Fixtures	6	EACH	\$	\$
18	Wiring and Connection to existing Electrical	1	L.S.	\$	\$

Bid Total \$ _____

Bid In Writing:

Bids will be awarded to one Bidder for the entire Project or to any series of Bidders for an appropriate proportion of the Project.

The undersigned Bidder hereby acknowledges the receipt of the following addenda (if any) distributed by the Park District.

Addendum No. _____ Date: _____
Addendum No. _____ Date: _____

Substantial Completion of the Projects shall be on or before April 23, 2020 and Final Completion of the Project shall be on or before April 30, 2020, unless otherwise extended by agreement of the parties pursuant to the General Conditions.

The undersigned Bidder agrees that if this bid is accepted by the Park District, it will perform all Work in accordance with the requirements of the Contract.

DATED THIS _____ DAY OF _____, 2020.

_____ (a) Individual ()
Full Name of Bidder (Print) (b) Partnership ()
(c) Corporation ()

Name and Title of Authorized Agent
if Corporation or Partnership (Print): _____

Full Name and Title of Bidder (Signature)

Street Address

City/State/Zip

Phone _____

Email

LIST OF SUBCONTRACTORS

Bidder submits a list of subcontractors for each trade relative to the Work to be performed under the Contract with the District, and agrees that if selected the successful Contractor, the Bidder will promptly confer with the District's agents on the question of which subcontractors the Bidder proposes to use, including submission of their qualifications. It is agreed that the District may substitute for any proposed subcontractor, another subcontractor for the trade against whose standing and ability the Bidder makes no objection in writing, and the Bidder will use all such finally selected subcontractors at the amount named in their respective subcontracts, and be in every way responsible for them and their work as if they had been originally named in the Bidder's bid, the unit, total and alternate Contract prices being adjusted to confirm thereto.

Subcontractor Name & Address Classification of Work Amount of Subcontract

1.		
2.		
3.		
4.		

CONTRACTOR COMPLIANCE AND CERTIFICATIONS ATTACHMENT

Note: The following certifications form an integral part of the Agreement between the Owner and Contractor. Breach by Contractor of any of the certifications may result in immediate termination of the Contractor's services by Owner.

THE UNDERSIGNED CONTRACTOR HEREBY ACKNOWLEDGES, CERTIFIES, AFFIRMS AND AGREES AS FOLLOWS:

- A. Contractor has carefully read and understands the contents, purpose and legal effect of this document as stated above and hereafter in this document. The certifications contained herein are true, complete and correct in all respects.
- B. Contractor shall abide by and comply with, and in contracts which it has with all persons providing any of the services or Work on this Project on its behalf shall require compliance with, all applicable Federal, State and local laws and rules and regulations including without limitation those relating to 1) fair employment practices, affirmative action and prohibiting discrimination in employment; 2) workers' compensation; 3) workplace safety; 4) wages and claims of laborers, mechanics and other workers, agents, or servants in any manner employed in connection with contracts involving public funds or the development or construction of public works, buildings or facilities; and 5) steel products procurement.
- C. All contracts for this Project are subject to the provisions of the Illinois Prevailing Wage Act (820 ILCS 130/0.01 *et seq.*), providing for the payment of the prevailing rate of wage to all laborers, workmen and mechanics engaged in the Work. Contractor shall pay prevailing rates of wages in accordance with the Illinois Department of Labor's wage determination and any subsequent determinations issued by the Illinois Department of Labor, all in accordance with applicable law. These revisions may be accessed by computer at <http://labor.illinois.gov/>. Contractor is responsible for determining the applicable prevailing wage rates at the time of bid submission and at the time of performance of the Work. Failure of Contractor to make such determination shall not relieve it of its obligations in accordance with the Contract Documents. Contractor shall also comply with all other requirements of the Act including without limitation those pertaining to inclusion of required language in subcontracts, job site posting, maintenance and submission of certified payroll records and inspection of records. Contractor is not barred from entering into public contracts under Section 11a of the Illinois Prevailing Wage Act due to its having been found to have disregarded its obligations under the Act.
- D. To the best of Contractor's knowledge, no officer or employee of Contractor has been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, or any unit of local government, nor has any officer or employee made an admission of guilt of such conduct which is a matter of record.
- E. Contractor is not barred from bidding on or entering into public contracts due to having been convicted of bid-rigging or bid rotating under paragraphs 33E-3 or 33E-4 of the Illinois Criminal Code. Contractor also certifies that no officers or employees of the Contractor have been so convicted and that Contractor is not the successor company or a new company created by the officers or owners of one so convicted. Contractor further certifies that any such conviction occurring after the date of this certification will be reported to the Owner, immediately in writing, if it occurs during the bidding process, or otherwise prior to entering into the Contract therewith.
- F. Pursuant to the Illinois Human Rights Act (775 ILCS 5/2-105), Contractor has a written sexual harassment policy that includes, at a minimum, the following information: (i) a statement on the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment utilizing examples; (iv) the Contractor's internal complaint process including penalties; (v) the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights

and the Human Rights Commission and directions on how to contact both; and (vi) protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act. Contractor further certifies that such policy shall remain in full force and effect. A copy of the policy shall be provided to the Illinois Department of Human Rights upon request.

- G. (i) Contractor's bid proposal was made without any connection or common interest in the profits anticipated to be derived from the Contract by Contractor with any other persons submitting any bid or proposal for the Contract; (ii) the Contract terms are in all respects fair and the Contract will be entered into by Contractor without collusion or fraud; (iii) no official, officer or employee of the Owner has any direct or indirect financial interest in Contractor's bid proposal or in Contractor, (iv) the Contractor has not directly or indirectly provided, and shall not directly or indirectly provide, funds or other consideration to any person or entity (including, but not limited to, the Owner and the Owner's employees and agents), to procure improperly special or unusual treatment with respect to this Agreement or for the purpose of otherwise improperly influencing the relationship between the Owner and the Contractor. Additionally, the Contractor shall cause all of its officers, directors, employees, (as the case may be) to comply with the restrictions contained in the preceding sentence.
- H. Contractor knows and understands the Equal Employment Opportunity Clause administered by the Illinois Department of Human Rights, which is incorporated herein by this reference, and agrees to comply with the provisions thereof. Contractor further certifies that Contractor is an "equal opportunity employer" as defined by Section 2000 (e) of Chapter 21, Title 42 of the United States Code Annotated and Executive Orders #11246 and #11375 as amended, which are incorporated herein by this reference.
- I. Neither Contractor nor any substantially owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act.
- J. Contractor is not barred from contracting with the Owner because of any delinquency in the payment of any tax administered by the Illinois Department of Revenue, unless it is being contested. Contractor further certifies that it understands that making a false statement regarding delinquency in taxes is a Class A misdemeanor and, in addition, voids the Contract and allows the Owner, a municipal entity, to recover in a civil action all amounts paid to the Contractor.
- K. If Contractor has 25 or more employees at the time of letting of the Contract, Contractor knows, understands and acknowledges its obligations under the Illinois Drug Free Workplace Act (30 ILCS 580/1 *et seq.*) and certifies that it will provide a drug-free workplace by taking the actions required under, and otherwise implementing on a continuing basis, Section 3 of the Drug Free Workplace Act. Contractor further certifies that it has not been debarred and is not ineligible for award of this Contract as the result of a violation of the Illinois Drug Free Workplace Act.
- L. Contractor knows, understands and acknowledges its obligations under the Substance Abuse Prevention on Public Works Act, 820 ILCS 265/1 *et seq.* A true and complete copy of Contractor's Substance Abuse Prevention Program Certification is attached to and made a part of this Contractor Compliance and Certification Attachment.
- M. The Contractor shall comply with the requirements and provisions of the Freedom of Information Act (5 ILCS 140/1 *et seq.*) and, upon request of the Homewood-Flossmoor Park District's designated Freedom of Information Act Officer (FOIA Officer), Contractor shall within two (2) business days of said request, turn over to the FOIA Officer any record in the possession of the Contractor that is deemed a public record under FOIA.

SUBSTANCE ABUSE PREVENTION PROGRAM CERTIFICATION

The Substance Abuse Prevention on Public Works Projects Act, 820 ILCS 265/1 et seq., ("Act") prohibits any employee of the Contractor or any Subcontractor on a public works project to use, possess or be under the influence of a drug or alcohol, as those terms are defined in the Act, while performing work on the project. The Contractor/Subcontractor **[circle one]**, by its undersigned representative, hereby certifies and represents to the Homewood-Flossmoor Park District that **[Contractor/Subcontractor must complete either Part A or Part B below]:**

A. The Contractor/Subcontractor **[circle one]** has in place for all of its employees not covered by a collective bargaining agreement that deals with the subject of the Act a written substance abuse prevention program, a true and correct copy of which is attached to this certification, which meets or exceeds the requirements of the Substance Abuse Prevention on Public Works Act, 820 ILCS 265/1 et seq. **[Contractor/Subcontractor must attach a copy of its substance abuse prevention program to this Certification.]**

Name of Contractor/Subcontractor (print or type)

Name and Title of Authorized Representative (print or type)

_____ Dated: _____
Signature of Authorized Representative

B. The Contractor/Subcontractor **[circle one]** has one or more collective bargaining agreements in effect for all of its employees that deal with the subject matter of the Substance Abuse Prevention on Public Works Projects Act, 820 ILCS 265/1 et seq.

Name of Contractor/Subcontractor (print or type)

Name and Title of Authorized Representative (print or type)

_____ Dated: _____
Signature of Authorized Representative

IMPORTANT NOTICE OF RESPONSIBILITY FOR PERIODIC REVISIONS TO PREVAILING WAGE RATES

Revisions of the Prevailing Wage Rates are made periodically by the Illinois Department of Labor (IDOL). As required by the Illinois Prevailing Wage Act, the contractor/subcontractor has an obligation to check IDOL's web site for revisions to prevailing wage rates. These revisions may be accessed by computer at <http://labor.illinois.gov/>. Bidders and contractors performing work on this Project are responsible for determining the applicable prevailing wage rates at the time of bid submission and performance of the Work. Failure of a bidder/contractor to make such determination shall not relieve it of its obligations in accordance with the Contract Documents. In consideration for the award to it of the contract for this Project, the contractor agrees that the foregoing notice satisfies any obligation of the public body in charge of this Project to notify the contractor of periodic changes in the prevailing wage rates and the contractor agrees to assume and be solely responsible for, as a material obligation of the contractor under the contract, the obligation to determine periodic revisions of the prevailing wage rates, to notify its subcontractors of such revisions, to post such revisions as required for the posting of wage rates under the Act, and to pay and require its subcontractors to pay wages in accordance with such revised rates.

Owner/Contractor Agreement

Technical Specifications

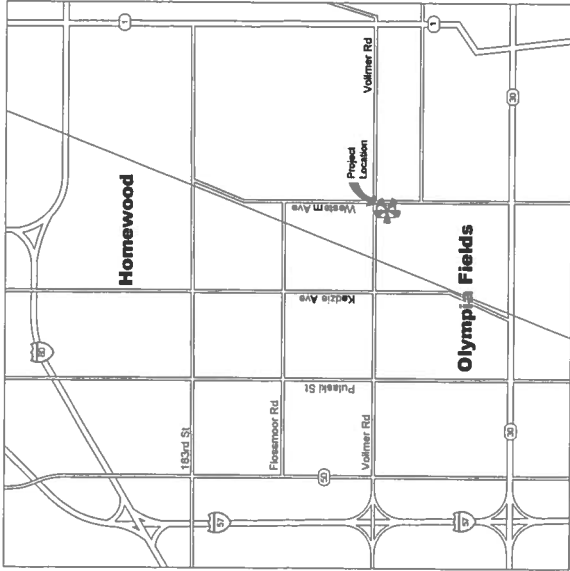
4813-7115-5375, v. 2

Irons Oaks Environmental Learning Centers Improvements

20000 Western Avenue, Olympia Fields, Illinois 60461



Homewood-Flossmoor Park District
3301 Flossmoor Rd
Flossmoor, IL 60422



LOCATION MAP

SCALE: net to scale



uplandDesign ltd
Landscape Architecture & Park Planning
564 W Randolph St, Chicago, Illinois 60661
24042 Lockport St, Plainfield, Illinois 60544
815-254-0091 www.uplandDesign.com
IL License 060-007797

Civil Engineer:
The Antero Group, LLC
369 Woody Dunes Court
Porter, IN 46304
Phone: 312-772-5085
IL License No. 184.007462

SHEET INDEX

- 0.0 Title Sheet
- 1.0 Existing Conditions
- 2.0 Soil Erosion and Sediment Control Plan
- 3.0 Removals Plan
- 4.0 Layout Plan
- 5.0 Dimension Plan
- 5.1 Enlargement Dimension and Grading Plan
- 6.0 Construction Details
- 6.1 Erosion Control Details
- E1 Electrical Plan
- E2 Electrical Notes



PROJECT NOTIFICATION
Prior notification (minimum 48 hours) to the Illinois State Board of Examiners is required for all contractors beginning or resuming work on this project.

This project has been prepared and reviewed by Upland Design Architecture
Michelle A. Kelly # 02-000022
Lizbeth A. Dyer # 02-000572
Mark A. Taylor # 02-000071
SHEET NUMBER 0.0
Project Number 02
Date: 08/21/2008
www.uplanddesign.com
800.892.0123

3001 Flammock Rd
 Parkersburg, IN 46382
 Phone: 708-857-0300

PROJECT
Irons Oaks Environmental Learning Lot
 20000 Western Avenue
 Olympia Fields, Illinois 60461
 PH: 708.481.2330

PROJECT TEAM
uplandDesign ltd
 2402 Lockport St., Wheelock, Illinois 60454
 815-254-6091 www.uplanddesign.com

CIVIL ENGINEER
 The Arkem Group
 389 Woody Dunes Court
 Porter, IN 46304
 Phone: 312-772-5085

SHEET TITLE
Layout Plan

SHEET NUMBER 4.0

DATE	DESCRIPTION
10/20/23	CONSTRUCTION DRAWING SUBMITTAL
10/20/23	CONSTRUCTION DRAWING SUBMITTAL

GENERAL NOTES: LAYOUT

- It is the responsibility of the Contractor to perform layout of all project elements and locate all necessary Owner representatives prior to construction. (This work is considered incidental to the contract.)
- All final elements including, but not limited to, utility, concrete, and paving areas are to follow ADA, per incorporated specifications. Any elements not to be removed or reworked to follow the incorporated specifications. Any elements not to be removed or reworked to follow the incorporated specifications.
- Transition between paving types (e.g. concrete to asphalt) shall be smooth. Transitions are to occur 1/8" vertical or horizontal difference.
- All drainage shall be a minimum of 1/8" slope below finished grade. Where the construction involves the installation of drainage systems, these systems shall be installed in accordance with the manufacturer's specifications. These systems shall be installed in accordance with the manufacturer's specifications.
- No excavations are to be left open to foot traffic, rain, snow, etc. which would impede the work in accordance with the plans and specifications. The contractor shall notify the Owner's Representative in writing of any circumstances or changes required to complete the work in accordance with the plans and specifications. The contractor shall notify the Owner's Representative and Owner before any changes are made.
- Contractor shall follow Village of Olympia Fields & MWRD permit requirements as part of the project.

REFERENCED SPECIFICATIONS AND CODES

- The Standard Specifications for Road and Bridge Construction (SSRBC) most recent edition published by the Illinois Department of Transportation, and all amendments thereto as they apply to the project, including the current manual, and all amendments thereto as they apply to the project.
- The Illinois Department of Transportation (IDOT) and the Illinois Accessibility Code.
- The Illinois Procedures and Standards for Utility, Soil Erosion and Sedimentation Control, published by the Illinois Department of Transportation, and all amendments thereto as they apply to the project.
- U.S. Soil Conservation Service (SCS) National Engineering Handbook, Section 4: Erosion Control.
- All codes and ordinances of the Village of Olympia Fields, MWRD, United States Army Corp of Engineers, Illinois Department of Natural Resources, Cook County Soil and Water Conservation District, and all amendments thereto, as they apply to the project.
- All requirements of the Occupational Safety and Health Administration.
- The steel standard specifications, codes and permits, with these construction plans and specifications, shall be used for all steel work. The contractor shall be responsible for obtaining all necessary permits for the work, and for obtaining all necessary permits for the work.
- In case of conflict, the more restrictive provision shall apply.

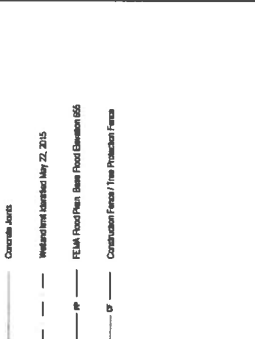
ADA PARKING REQUIREMENTS

Total Parking Spaces	Total Required ADA Spaces	Total New ADA Spaces	Total Proposed ADA Spaces
50	2	2	3

Total Existing Spaces: 27 and 1 ADA
 Proposed Parking Spaces with Alternative: 20 and 2 ADA
 Total Number of ADA Parking Spaces Proposed: 3

LEGEND

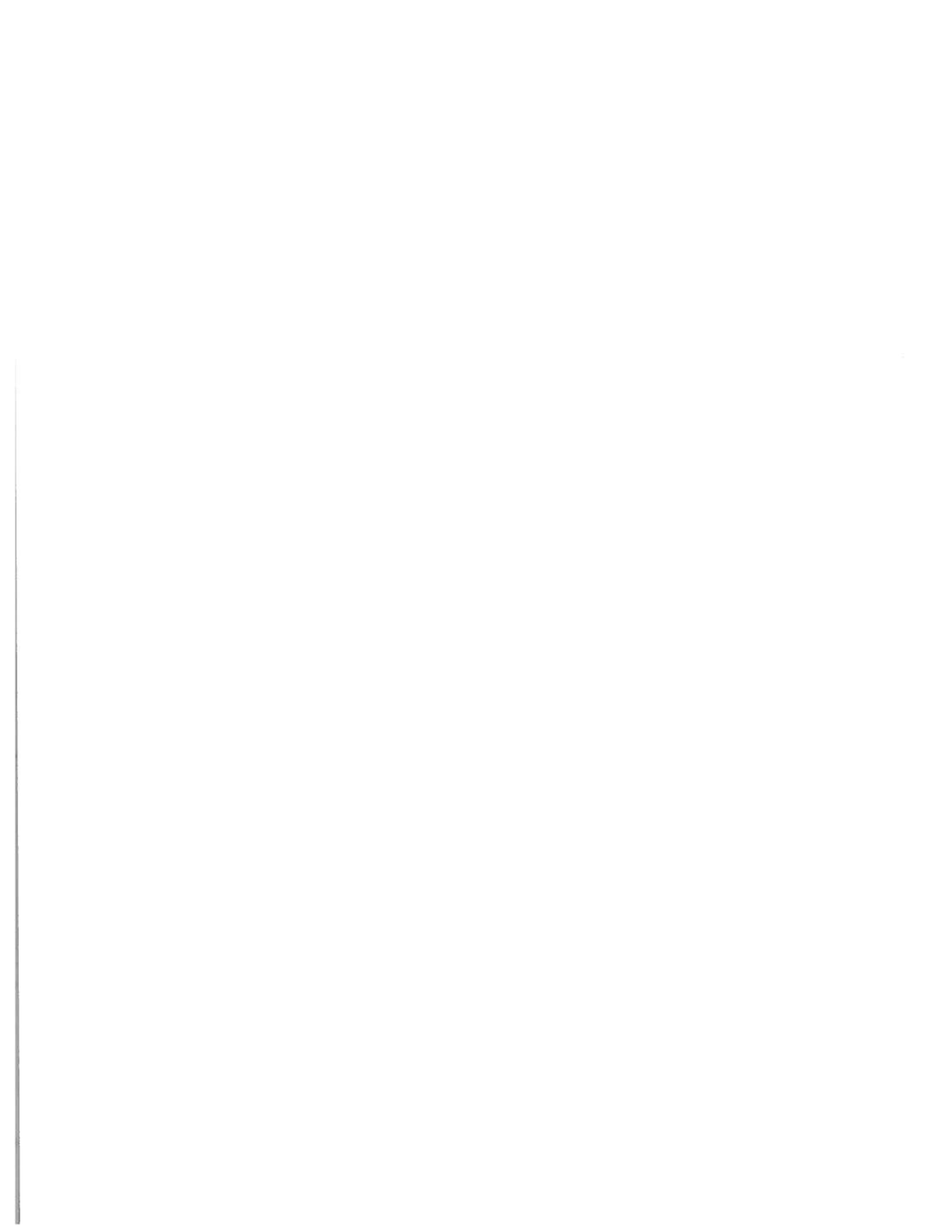
- Asphalt Paving/Paving
- Concrete Paving
- Concrete Joints
- Relocated Oak
- Existing ADA Parking
- Wheelstop
- Welded Joint
- FLUM Foot/Pan
- Steel Floor Elevation 856
- Construction Fence / Tree Protection Fences



SCALE: 1" = 20'-0"
 0 10' 20' 40' 80'

NORTH

Project No. 23-001
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SECTION 01 5000
TEMPORARY FACILITIES

1.0 GENERAL

- 1.1 Contractor shall provide temporary facilities and controls as specified or as required for protection of the Work in accordance with applicable codes.
- 1.2 All temporary connections to utilities and services shall be acceptable to Owner and local authorities having jurisdiction thereof. OSHA Standards and Regulations shall apply if more restrictive.
- 1.3 Contractor shall note that if any part of the permanent building equipment (plumbing, heating, electrical) is used to provide temporary utilities, this shall not void or shorten the equipment guarantee provided by the Contractor and material and equipment supplier and as described in Contract Documents.

2.0 TEMPORARY WATER

- 2.1 The Contractor shall provide temporary water service for construction operations.

3.0 TEMPORARY SANITARY FACILITIES

4.0 CONSTRUCTION AIDS

- 4.1 Contractor shall furnish, maintain, and remove at completion, all temporary ladders, ramps, barricades, enclosures, fences, walks and like facilities, as required for proper execution of Work for all trades, except as otherwise specifically required under individual section.
- 4.2 All such apparatus, equipment, and construction shall meet all requirements of OSHA and other applicable state or local laws.
- 4.3 Contractor and each of their Subcontractors, for their own use, shall provide all scaffolding required for execution of their own work. Scaffolding shall not be built into walls of buildings.

5.0 WATER AND SNOW CONTROL

- 5.1 From commencement to final payment Contractor shall keep all parts of the Work free from accumulation of water, snow and ice for the protection of their Work. Protect the Work against weather damage.

6.0 TEMPORARY FIELD OFFICES

- 6.1 Contractor, at his/her option, shall provide and maintain a field office. Construction sheds, trailers and temporary offices provided by Contractor shall be maintained in good condition. Field office is not a pay item and if included at Contractor's option will be considered incidental to the project cost.

7.0 TEMPORARY LIGHT AND POWER

- 7.1 The Contractor shall provide electrical power during construction operations.
- 7.2 Contractor shall provide his own extension cords and lamps, if required, and shall also be responsible to see that these are furnished by or for each of his/her Subcontractors as they may be required.

7.3 Where service of characteristics, quality or locations other than described above may be required, each Contractor requiring same shall provide such additional service and necessary equipment at his/her own expense.

8.0 SHORING AND BRACING

8.1 The Contractor shall provide, install and maintain all shoring and bracing or other devices necessary to maintain all aprons, curbs, pavements, and existing structure, etc., at their present levels and in their present location and condition during construction. Demolish all such work after it is not needed and required and remove it from the premises.

END OF SECTION

SECTION 01 2100
SITE PREPARATION AND PROTECTION OF EXISTING FACILITIES

1.0 GENERAL

1.1 Description

- A. This work shall consist of the complete removal of all items called for in the plans and specifications or as otherwise implied in a safe and orderly manner creating as little disturbance as possible.
- B. All areas indicated for construction of any kind shall be cleared of any debris, undergrowth, weeds, stumps, roots, and marked trees which might interfere with the progress of that work. Unmarked trees or any plant material indicated to be saved by the Owner or Owner's Representative shall be given special protection as specified.

2.0 PRODUCTS (not applicable)

3.0 EXECUTION

3.1 Safety of Operations

- A. Work site safety is the Contractor's responsibility. During removal operations, proper signs and security fence shall be installed by the Contractor prior to commencing work. Barricades shall be used to warn and protect the public against hazards. If a street must be temporarily closed to traffic, it shall be the Contractor's obligation to make arrangements for permission from the governing agency prior to closing. After such approval is obtained, the Contractor shall notify the Owner, local law enforcement, and Fire Department of actual times and dates of closure.

3.2 Protection and restoration of Items to Remain

- A. Locations and dimensions shown in the Drawings for existing facilities are in accordance with available information obtained without uncovering, measuring or other verification and are not guaranteed. The Contractor shall protect from damage private and public utilities encountered during the Work. The Contractor shall, before an excavation begins, call J.U.L.I.E. or Digger (depending on service location).
- B. Extreme care shall be utilized when removing any item adjacent to structures, utilities, paving, vegetation or any item not indicated for removal or relocation whether shown on the Drawings or not. These items shall be properly protected as required to keep them from damage or other disturbance of any kind during the course of work. Existing utilities shall be protected and maintained to prevent leakage, settlement or other damage. Damage to any of the above shall be repaired or replaced to former condition as required by the utility company or Owner at the Contractor's expense. Repair of damaged utility shall be completed within 24 hours of damage occurring.
- C. The Contractor shall, at no additional cost to the Owner, provide and install safeguards acceptable to the Owner to protect public and private property. During removal operations, proper signs and security fence shall be installed by the Contractor prior to commencing work. Barricades shall be used to warn and protect the public against hazards.
 - 1. If a street must be temporarily closed to traffic, it shall be the Contractor's obligation to make arrangements for permission from the governing agency prior to closing. After such approval is

obtained, the Contractor shall notify the Owner, local law enforcement, and Fire Department of actual times and dates of closure.

2. If public or private property is damaged or destroyed or its use interfered with by the Contractor, the Contractor's agents or the Contractor's employees, such interference shall be terminated and damaged or destroyed property repaired and restored immediately to its former condition by the Contractor at the Contractor's expense.
3. Should the Contractor refuse or not respond promptly to a written request to restore damaged or destroyed property to its original condition, the Owner may have such property restored by other means at the Contractor's expense.

3.3 Protection and Restoration of trees, shrub and plant material

- A. Trees, shrubs, plants, and other landscaping not designated for removal shall be left in place and protected from damage or injury during construction. The Contractor shall provide full and adequate protection against construction damage to all landscaping that is to remain.
- B. No traffic, storage of Equipment, vehicles or materials shall be allowed within the drip line of trees not designated for removal unless plans permit such activity. In addition, plans may indicate no-construction activity areas that are larger than the dripline (see plan notes).
- C. Where excavation operations occur and where tree roots 2 inch or greater in diameter are discovered, the Contractor shall promptly notify the Owner's Representative, who will determine how these tree roots are to be handled.
- D. Root pruning shall occur on all tree roots larger than one inch diameter. Such roots shall be cleanly cut in place. Root pruning shall be done so as not to disturb remaining fibrous roots.
- E. Promptly cover exposed roots and maintain moisture on them to keep them alive.
- F. Failure to promptly preserve the viability of roots on trees to be saved may result in the Owner making corrective action. Given the urgency needed in keeping desirable tree roots alive, the Owner may take such action following as little as twenty-four hour notice to the Contractor. Reasonable costs for any and all such action by Owner may be charged to the Contractor and/or deducted from project monies due to the Contractor.

3.4 Plant Damage Compensation

- A. The Owner shall be reimbursed for trees or other plant material not ordered or designated to be removed but that are destroyed or irreparably damaged by Contractor operations as determined by the Owner's Representative. At a minimum, the Contractor shall reimburse Upland Design and/or other Owner consultant for time and materials expended related to tree damage (such as meetings, measuring, preparing reports and preparing change orders)
- B. Damage to tree trunks, branches and roots shall be reported to the owner's representatives immediately.
- C. The charge for each incidence of trunk damage to trees shall be \$450.00.
- D. The charge for each incidence of branch or root damage shall be \$100.00 per caliper inch.

- E. The charge for compaction of soil by unauthorized vehicle travel on the grounds shall be \$.45 per square foot of traveled area.
- F. Where the damaged tree is a heritage tree or landscape specimen, the reimbursement amount will be based on a benefit-based-valuation. This service is to be conducted by a certified arborist trained in tree appraisals that is approved by the Owner and the cost of the service will be borne solely by the contractor.
- G. The penalty for damage to a shrub shall be the removal and replacement cost as determined by at least two written quotes obtained by the Owner.

3.5 Removal Responsibility

- A. All debris, paving, equipment, fencing, trees, stumps, sod or soil to be cleared and removed from the project area shall be legally disposed of off site at the arrangement and expense of the Contractor. No materials will be stockpiled on site for future disposal; materials used for fill or topsoil may be stored on site. No excavation areas will be left in unsafe or unsightly conditions at day's end. The Contractor will be responsible for all transportation and disposal fees associated with this work. Burning of any materials on site is prohibited unless indicated otherwise on plans.

END OF SECTION

SECTION 01 5713
EROSION CONTROL

1.0 GENERAL

1.1 Description

A. Erosion Control shall consist of furnishing all labor, materials, tools and equipment necessary to place riprap material, silt fencing, erosion control blankets and triangular silt dikes in the locations indicated on the drawings .

1.2 Incorporated Specifications

A. The following specifications are incorporated into the document

1. "Standard Specifications for Road and Bridge Construction" – latest edition - Illinois Department of Transportation
 - a. Section 280 Temporary Erosion Control
 - b. Article 1005.01 Stone for Erosion Protection, Sediment Control and Rockfill
 - c. Article 1081.10 Special Erosion Control Materials
 - d. Article 251.04 Erosion Control Blanket
2. Contractor shall adhere to the above specifications unless applicable items of work or materials are modified herein.

2.0 MATERIALS

2.1 Riprap

A. Riprap fill shall consist of sound, durable cobbles and crushed rock having a maximum diameter of eight inches (8") as measured in the smallest dimension. Riprap shall be well graded and meet the gradation requirements for RR3 in accordance with the above referenced and incorporated specification.

2.2 Erosion Control Blanket

- A. Silt fence shall be polypropolyne fabric. Stakes for silt fence shall be wooden or metal and at least five feet (5') long.
- B. 3:1 and Greater Slopes shall be Curlex I Single Net. As manufactured by:
1. American Excelsior Company, 850 Avenue H East, Arlington, Texas 76011, (800) 777-7645
 - a. All staples shall be E-Staple, 4-inch bio-degradable. As manufactured by: American Excelsior Company OR www.Greenstake.com
- C. Erosion control blanket shall be approved by the Department of Transportation. All netting shall be single sided and white UV reactive. Netting shall begin to bio-degrade within 15-18 months of installation. Netting shall have an opening between 1/2" x 1/2" and 2" x 1". Staple shall be 100% Polyhydroxyalkanoate (PHA) plastic, biodegradable from microbial activity in accordance to ASTM D5338 and ASTM D5271. Staples shall completely biodegrade within 24 months of installation. Staples shall be 4 inches (4") in length, T-Shaped and have barbed head and shoulders.

2.3 Triangle Silt Dike Barrier

- A. Triangular silt dike barrier shall be urethane foam and geotextile fabric and shall have protective aprons on both sides of the barrier. Barrier shall be eight inches (8") wide.

3.0 EXECUTION

3.1 Riprap Installation

- A. Riprap shall be placed in a twelve inch (12") thick layer or as shown on the drawings or as directed by Owner and worked as required to provide a well graded matrix of stone pieces.

3.2 Silt Fence

- A. Silt fencing shall be placed in the locations shown on the plans and in accordance with the above incorporated specifications. Staking shall be a minimum of eight feet (8') apart. Silt fence shall remain in place for the duration of the construction project and shall only be removed with prior approval.

3.3 Erosion Control Blanket

- A. Erosion control blankets shall be placed in accordance with the above incorporated specifications. Before barrier installation, ensure areas to be covered are smooth and free of ruts, depressions, rocks or clods over eighteen inches (18") in diameter, sticks and any other debris that will prevent contact between the blanket and soil. Erosion control blanket to be installed within 24 hours after seeding. Staking shall be a minimum of six feet (6') apart and staked per the manufacturer's instructions.

3.4 Triangular Silt Dike Barrier

- A. Triangular silt dike barrier shall be placed in the locations shown on the plans and in accordance with the above incorporated specifications.
- B. Secure triangular silt dike by burying the first six inches (6") of the leading edge apron in a two to three inch trench. 4 to 5 staples shall be used on the front apron and 4 to 5 staples shall be used on the rear apron on each seven foot (7') section. Water flow is not allowed under the barrier.
- C. The barrier shall remain in place for the duration of the construction project and shall only be removed with prior approval. Contractor shall routinely inspect and maintain the barrier. Contractor to ensure that barrier is free of accumulated silt, debris, and other miscellaneous material. Accumulated sediment deposit shall be removed if more than eight inches (8"). Torn or punctured barrier shall be repaired or replaced as directed by the Owner's Representative.
- D. Contractor shall be required to obtain approval for removal of silt fence. Remove fence, take off site, fill in trenches with topsoil, seed, cover with blanket, and roll as needed to match existing grade and conditions.

END OF SECTION

SECTION 01 7300
EXECUTION REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes general procedural requirements governing execution of the Work including, but not limited to, the following:
1. Construction layout.
 2. General installation of products.
 3. Progress cleaning.
 4. Starting and adjusting.
 5. Protection of installed construction.
 6. Correction of the Work.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Existing Utilities: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning site work, investigate and verify the existence and location of underground utilities and other construction affecting the Work.
1. Before construction, verify the location and invert elevation at points of connection of storm sewer, and sanitary sewer.
 2. Verify location of existing water lines.
 3. Verify ComEd connection Location.
- B. Acceptance of Conditions: Examine substrates, areas, and conditions, with Installer or Applicator present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.
1. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of conditions.

3.2 PREPARATION

- A. Field Measurements: Take field measurements as required to fit the Work properly. Re-check measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field

measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

- B. **Space Requirements:** Verify space requirements and dimensions of items shown diagrammatically on Drawings.
- C. **Review of Contract Documents and Field Conditions:** Immediately on discovery of the need for clarification of the Contract Documents, submit a request for information to Owner's Representative. Include a detailed description of problem encountered, together with recommendations for changing the Contract Documents.

3.3 CONSTRUCTION LAYOUT

- A. **Verification:** Before proceeding to lay out the Work, verify layout information shown on Drawings, in relation to the property survey and existing benchmarks. If discrepancies are discovered, notify Owner promptly.
- B. **General:** Lay out the Work using accepted surveying practices.
 - 1. Establish benchmarks and control points to set lines and levels at each story of construction and elsewhere as needed to locate each element of Project.
 - 2. Establish dimensions within tolerances indicated.
 - 3. Inform installers of lines and levels to which they must comply.
 - 4. Check the location, level and plumb, of every major element as the Work progresses.
 - 5. Notify Owner when deviations from required lines and levels exceed allowable tolerances.
- C. **Site Improvements:** Locate and lay out site improvements, including pavements, grading, fill and topsoil placement, utility slopes, and invert elevations.
- D. **Building Lines and Levels:** Locate and lay out control lines and levels for structures. Transfer survey markings and elevations for use with control lines and levels. Level foundations from two or more locations.

3.4 FIELD ENGINEERING

- A. **Reference Points:** Locate existing permanent benchmarks, control points, and similar reference points before beginning the Work. Preserve and protect permanent benchmarks and control points during construction operations.

3.5 INSTALLATION

- A. **General:** Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
 - 1. Make vertical work plumb and make horizontal work level.
 - 2. Conceal pipes, ducts, and wiring in finished areas, unless otherwise indicated.

- B. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.

3.6 PROGRESS CLEANING

- A. General: Clean Project site and work areas daily, including common areas. Coordinate progress cleaning for joint-use areas where more than one installer has worked. Enforce requirements strictly. Dispose of materials lawfully.
 - 1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
 - 2. Do not hold materials more than 7 days during normal weather or 3 days if the temperature is expected to rise above 80 deg F.
 - 3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.
- B. Site: Maintain Project site free of waste materials and debris.
- C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
 - 1. Remove liquid spills promptly.
 - 2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.
- D. Installed Work: Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.
- E. Exposed Surfaces in Finished Areas: Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.
- F. Waste Disposal: Burying or burning waste materials on-site will not be permitted. Washing waste materials down sewers or into waterways will not be permitted.
- G. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.
- H. Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period.

3.7 PROTECTION OF INSTALLED CONSTRUCTION

- A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.

3.8 CORRECTION OF THE WORK

- A. Repair or remove and replace defective construction. Restore damaged substrates and finishes.
 - 1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.
- B. Restore permanent facilities used during construction to their specified condition.
- C. Remove and replace damaged surfaces that are exposed to view if surfaces cannot be repaired without visible evidence of repair.

END OF SECTION

SECTION 01 7700
PROJECT CLOSEOUT

1.0 CLEANING UP

Contractors shall, prior to punch list preparation, remove trash and debris and clean all walks, drives and parking areas.

Upon completion of work, remove temporary structures, fences, surplus materials, and rubbish of every kind from site and dispose of legally, except in cases where permits require silt fences to remain.

If Contractor fails to clean up, the Owner may do so and the cost thereof shall be charged to the Contractor as provided in the General Conditions.

2.0 AS-BUILT DRAWINGS

Contractor shall maintain one set of Drawings and one set of bound specifications on which he/she shall record every deviation that is made from original drawings and specifications at the time the change is made.

Contractor shall keep a neat and complete record of exact manner in which all work is installed. Dimensions shall be included to accurately locate items that will be concealed and which may later be necessary to locate for service.

This record set of drawings and specifications shall be kept at the job site for inspection by the Owner and the Owner's Representative.

At completion of the Work, arrange above records in order properly indexed and certify by endorsement thereof that each of the revised drawings and specifications is complete and accurate.

Before final payment is made, the Contractor shall deliver the annotated as-built drawings and specifications to the Owner's Representative.

No review or receipt of such records by the Owner or the Owner's Representative of any deviation from the Contract Documents does in any way relieve the Contractor from his/her responsibility to perform the work in accordance with the Contract Documents

3.0 PUNCH LIST

Upland Design LTD and the Owner shall make a final inspection of work after Contractor notifies the District that work is substantially complete. The Contractor will be notified in writing of all punch list items, if any, to be corrected or completed before final acceptance is granted. Failure of the Owner's Representative to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents. Following Contractors completion of all punch list work, Owner's Representative shall provide a written notice of final acceptance to Contractor.

4.0 MAINTENANCE AND OPERATION INSTRUCTION

Prior to final payment, Contractor shall arrange all technical instruction of Owner's maintenance personnel, either by his/her own or the equipment manufacturer's personnel.

5.0 GUARANTEES

The Contractor shall guarantee all workmanship and materials, including plant material for a period of one (1) year from the date of the final acceptance letter, except where certain guarantees are otherwise specified.

At the completions of the work, all such guarantees covering material, workmanship, maintenance, etc., as specified, shall be procured by the Contractor from the various Subcontractors, and forwarded to the Owner's Representative, together with a letter, addressed to the Owner, giving a summary of guarantees attached stating, the character of work, name of the Contractor, name of the material or equipment supplier, period of guarantee and condition of guarantee.

Neither the final payment nor termination of the guarantee period, nor any provision in the contract document, shall relieve the Contractor of the responsibility for negligence, faulty materials or workmanship within the extent and period provided by law. Upon written notice, the Contractor shall remedy any defects, and shall pay all expenses for damage to other work resulting from that defect.

If the drawings and/or specifications provide for methods of construction and installation, or materials which cannot be guaranteed by the Contractor for the indicated period, the Contractor shall so inform the Owner in writing prior to submitting a bid. Otherwise the Contractor shall guarantee all methods of construction and installation, and materials for the indicated period of time.

END OF SECTION 01 7700

SECTION 06 1063
ROUGH CARPENTRY

1.0 GENERAL

1.1 Description

This work consists of providing all labor, and equipment necessary for complete construction of wood elements and related structures and equipment including all wood, hardware, fasteners and related construction materials as called for in the plans and details.

1.2 Codes and Regulations

All work shall be in complete conformance to all local codes, ordinances, regulations, and Article 1007.12: preservative Treatment, from the Standard Specifications for Road and Bridge Construction, Illinois Department of Transportation, most current edition.

1.3 Submittals

Prior to installation, provide owner with bill of lading and/or other documents that confirm compliance with specification.

2.0 MATERIALS

2.1 Restroom Enclosure

2.11 Posts and Framing - Metal

Posts and framing shall be hot dipped galvanized or cadmium plated to protect against corrosion.

2.12 Concrete Footing

Per incorporated specification and plans

2.13 Wood Boards or Slats

Timber shall be cedar. All lumber shall be No. 2 grade or better.

2.14 Bolts, Metal Connectors and Supports

All metal fasteners and miscellaneous parts shall be hot dipped galvanized or cadmium plated to protect against corrosion.

Provide all metal connectors and supports shown on the Drawings or as otherwise required to complete all work

Connectors and supports shall be shop fabricated from prime quality steel which meets ASTM A526, galvanized finish, gauge as shown, or if not shown, as recommended by the manufacturer for the required application

Paint exposed portions of fasteners with exterior grade epoxy where protrude through painted metal. Color to match adjacent metal color. Prevent overspray or brush painting of adjacent surfaces.

Manufacturers are subject to the requirements, provide products from one of the following:

Simpson Strong-Tie
TECO
Heckman Building Products, Inc.

2.15 Anti-Graffiti Coating

Refer to manufacturer's published data bulletins for applications and installation recommendations:

Manufacturer: Rainguard International, Ph: 866-989-5159
1079 Culpepper Drive, Conyers, GA 30094

Product: VandIGuardFIVE anti-graffiti coating

3.0 EXECUTION

3.1 Construction Methods

Layout shall be staked for the approval of the Owner's Representative before commencing construction. Set carpentry work accurately to required grades and layout with members plumb and true. Fit carpentry work accurately to assure maximum strength at all joints by using adequate fastening, blocking and bracing as necessary or as shown on the plans. Wood dimensions shall conform to the plans. Fence: Variations greater than ¼" shall be removed and replaced. All other: Variations greater than 1/8" shall be removed and replaced.

All fastenings shall be complete with optimum care after accurately fitting each timber. Wax or lubrication of fasteners that depend on friction for holding power is not allowed. Tighten bolts and lag screws at installation and check for tight connections prior to completion of work.

3.2 Clean Up

All soil removed from the holes shall be disposed of on site in an approved manner at the direction of the project engineer.

All: The removal of all scraps of lumber from the site shall be the responsibility of the contractor. All material shall be disposed of per manufacturer's recommendations and/or local code.

END OF SECTION

SECTION 31 2000
EARTHWORK

1.0 GENERAL

1.1 Description

A. The work consists of all work as called for by plans and/or proposal form and may include: rough and finish grading to approved grade stakes; excavation of organic or unstable soils; excavation of debris and rocks; excavation, stockpiling and redistribution of topsoil; placement of sand or gravel base; placing and grading supplemental topsoil; and all other grading and excavation operations. Unless otherwise called for in the plans and specifications, all work shall conform to ACT 347, Soil Erosion and Sedimentation Control.

1.2 Submittals

A. Contractor shall submit samples and information to the Owner's Representative on the location of the source for any proposed materials to be brought on site. Source shall be subject to approval before use.

2.0 PRODUCTS

2.1 Fill Materials

- A. Fill and backfill materials shall be clean, porous, granular materials free of clay, rock or gravel larger than two inches (2") in any dimension, debris, frozen material, vegetation or other deleterious matter. Contractor shall be permitted to use material excavated as part of this project as backfill material provided that excavated material meets all other requirements herein and is free of trash and other debris. Sod shall not be used for fill.
- B. Fill material must be approved by the Owner's Representative before being placed. When suitable materials are not available from the excavation they shall be provided by the Contractor from off-site sources.

2.2 Topsoil

A. Topsoil is defined as follows: all topsoil shall be fertile, friable natural topsoil, typical for this locality. It shall not contain a mixture of subsoil or slag and shall be free of lumps, stones, plants or roots, stalks or other extraneous matter and shall not be used while in a frozen or muddy condition. Topsoil shall have an acidity range of pH 5.5 to pH 7.5 and shall contain not less than five percent nor more than twenty percent organic matter as determined by loss on ignition of moisture free sample dried at 100 degrees centigrade. Topsoil shall be classifiable as loam, silt loam, silty clay loam, or sandy clay loam, as determined from the Bureau of Plant Industrial, Soils and Agricultural Engineering, USDA triangular soil texture chart. Topsoil shall be used in the upper six inches (6") of all seeded areas.

2.3 Base Material

A. Base materials shall conform to specified detail, and shall be properly graded mixture of natural or crushed gravel, crushed stone, or natural processed sand that will readily compact to the required density and remain in that condition.

3.0 EXECUTION

3.1 Layout

Irons Oaks – Parking Improvements

31 2000 - EARTHWORK

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- A. The corners of the designated areas, including separate paving, surfacing, and lawn, shall be determined by careful survey according to plans and details. Stakes shall be set indicating the exact position of these corners and the final elevation of the indicated area.
- B. Before any excavation or filling operation begins, approval of the location and the proposed elevation must be obtained from the Owner's Representative. If existing conditions are at variance with the drawings, the Owner's Representative shall be notified before proceeding with the work and adjustments made only as directed.
- C. Back-filling shall be done only after the Owner's Representative has inspected and approved sub-grade. Notice that the work is ready for inspection shall be given promptly, and 48 hours minimum shall be allowed for making necessary examinations. Failure to comply may require excavation to previous grade and the performance of back-filling operations again at no additional cost to the Owner.

3.2 Stripping Topsoil

- A. Prior to the stripping of topsoil, all areas within the grading limits containing existing debris shall be cleaned sufficiently to permit easy use of the topsoil free of unmanageable debris. Topsoil in areas that are to be graded shall be stripped to the depth designated and stockpiled in an area approved by the Owner's Representative. This is the first supply of topsoil to be used for spreading over disturbed or graded areas. The site shall be excavated to provide a sub-grade which shall be shaped to true and even lines so as to assure a uniform thickness of the base course or other surfacing installation. Excess material and debris generated from this work shall be hauled from the site at the Contractor's expense.

3.3 Unsatisfactory Materials

- A. Unsuitable materials or unstable bearing soil for structures and pavements shall be excavated to stable soil and replaced with an approved sand, gravel or soil and compacted as specified.

3.4 Excavation for Structures

- A. Excavation for all structures, paving, and site improvements shall be to the tolerances specified and shall extend sufficient distances from footing and foundations to permit placing and removal of forms, installation of services, and other construction operations and inspections.

3.5 Dewatering

- A. Site is to be maintained in dry condition in excavations and areas to be filled. Fill, topsoil, or sub-base shall not be placed in water or excessively damp conditions. It is the Contractor's responsibility to remove water and maintain dry conditions.

3.6 Placing Fill

- A. During grading and filling operations, all fill shall be placed in five inches (5"), or less layers and compacted by operating heavy track, or rubber tired equipment over it or with compaction equipment. Fill and backfill shall be so placed as to cause minimum disturbance to underlying soils. Material shall

have the correct moisture content. Wet soil shall be disked or otherwise scarified to allow each layer to dry.

- B. Holes, pits and removed footings shall be filled and compacted to within six inches (6") of the surrounding grade with approved clean fill and then topped with six inches (6") compacted topsoil. Filling holes shall be considered incidental to the Contract.

3.7 Compaction

- A. Fill and sub-base material shall be compacted to not less than the 95% ASTM D1557 or Proctor Density. Compaction of topsoil in lawn areas shall be 85% of proctor density.

3.8 Grade Tolerance

- A. All earthwork shall be within one-half inch (1/2" or 0.042') of the elevations called for on the plans. All pavement grading shall be within one quarter inch (1/4" or 0.021') of the elevations called for in the plans. All grading shall drain uniformly to designated low points and all changes in elevation and transition areas shall be with gentle, rounded gradients. The grade tolerance allowed shall not create a situation where a walk or area becomes inaccessible per the Americans with Disabilities Act. If this occurs the work shall be removed at the cost of the Contractor and reinstalled to meet current ADA standards.

END OF SECTION

SECTION 32 1216
ASPHALT PAVING

1.0 GENERAL

1.1 Description

- A. This work consists of providing all labor, material, tools and equipment necessary to construct new asphalt paths

1.2 Code and Regulations

- A. Materials and methods used in the fulfillment of this Contract shall conform to the State of Illinois Standard Specifications for Road and Bridge Construction, hereby referred to as "State Specifications", latest edition, and all supplemental specifications and provisions adopted prior to the date of the Invitation to Bid for this project.

2.0 MATERIALS

2.1 Crushed Aggregate Base

- A. CA-6 crushed aggregate, type B, shall be placed, to a compacted depth as indicated on plans, as a base course. The aggregate shall be thoroughly dry, unyielding and free of screening and dirt before proceeding with priming and paving, in accordance with material and placement standards of IDOT State Specifications.

2.2 Prime Coat

- A. The prime course shall consist of cutback asphalt MC-30 in conformance with Section 406.05 of the State Specifications. Bituminous prime coat shall be applied with the application rate being a minimum of 0.30 gallons per square yard. Priming shall be applied through the use of a pressurized distributor vehicle or hand sprayer, at a rate of 0.2 to 0.5 gallons per square yard. Excess prime showing on the surface after the curing period, shall be blotted with sand prior to placement of the asphalt. All work and materials shall conform to applicable provisions of Section 406 of the IDOT Standard Specifications.

2.3 Asphalt Binder Course

- A. The asphalt binder course shall be HMA Binder Course Mix, IL95, N50, conforming the IDOT Standard Specifications. All work and materials shall be performed in accordance with applicable provisions of the IDOT Standard Specifications. The minimum thickness of the completed bituminous binder course shall be as noted on plans measured at any point on the pavement surface.

2.4 Asphalt Surface Course

- A. The asphalt surface course shall be HMA Surface Course Mix C, N50, constructed on previously placed bituminous binder course or compacted base, per plans. The minimum thickness of the finished bituminous surface course shall be as noted on plans measured at any point of the pavement surface per appropriate detail. The work and materials shall conform to applicable provisions of the IDOT Standard Specifications except as revised herein. The aggregate used in the preparation of the surface mixture shall conform to the following gradation:

Passing 1/2" sieve	100%
Passing #4 sieve	65% - 85%
Passing #10 sieve	50% - 65%
Passing #40 sieve	10% - 27%
Passing #200 sieve	5% - 7%

1. The bituminous material used in the surface mixture shall be asphaltic cement grade 85-100 or 120-150 as approved by the Owner's Representative.
- B. The finished surface shall be true, uniform in texture, free from ruts, depressions, cracks, tears and checks, in conformance with Article 406.11 of the State Specifications. When tested, water should not stand or pool twenty-four hours after flooding

3.0 EXECUTION

3.1 Methods

- A. Construction methods shall follow specifications described herein.

END OF SECTION

SECTION 32 1314
CONCRETE PAVING

1.0 GENERAL

1.1 Description

This work shall consist of all labor, equipment and materials necessary for complete installation of concrete work: slabs, paving, curbs, walls, footings, and concrete work as called for in the plans and details.

All work, which is without a specification herein, shall be performed in accordance with the most current edition of Standard Specifications for Road and Bridge Construction adopted by the Illinois Department of Transportation.

2.0 MATERIALS

2.1 Crushed Aggregate Base

CA-6 crushed aggregate, Type B, shall be placed, to a compacted depth as indicated on plans, as a base course. The aggregate shall be thoroughly dry, unyielding and free of screening and dirt before proceeding with priming and paving, in accordance with material and placement standards of IDOT State Specifications.

2.2 Concrete Materials

The concrete shall be constructed of Portland Cement Concrete Type A, which shall have a minimum of 6 bags of type one cement per cubic yard.

The coarse aggregate used shall contain a maximum of 2%, by volume, deleterious material (commonly called chert free aggregate) and the maximum size of the stone shall be 1/2".

Air content shall be not less than 5%, or more than 8%, and the slump shall not exceed four inches (4"). Fourteen (14) day compressive strength tests resulting in less than 3500 p.s.i. shall be cause for removal and replacement at Contractor's cost. Portland Cement shall conform to the requirements of the current ASTM Specifications for Air-Entraining Portland Cement.

2.3 Metal Reinforcing

Metal shall be fabricated conforming to the most current standard of ASTM A616, Deformed Billet-Steel Bars for Concrete Reinforcement of the grades indicated on the drawings. Welded wire mesh or fabric shall conform to Specifications for Welded Steel Wire Fabric for Concrete Reinforcement ASTM 185-current year.

2.4 Fiber Reinforcing

Fiber reinforcing material to be Grace MicroFiber™ or approved equal, manufactured from 100% virgin polypropylene in a microfilament form and contain over 50 million individual fibers for each 1.0 lb/yd³ dosed. MicroFiber shall be engineered specifically for use in concrete, alkali resistant, non-absorptive and completely non-corrosive. MicroFiber shall comply with ASTM Designation C 1116 Standard Specification for Fiber-Reinforced Concrete and Shotcrete, Type III Synthetic Fiber-Reinforced Concrete or Shotcrete.

Fibers shall be 20 mm (3/4 in.) multifilament polypropylene fibers as supplied by Grace Construction Products, 62 Whittemore Avenue, Cambridge, MA 02140. 450 grams (1 lb) of fibers shall contain no less than 50 million individual fibers. 225 grams (0.5 lb) of fibers shall contain no less than 25 million individual fibers. Required dosage rate shall be as specified by the design engineer or architect. Grace MicroFiber shall be used in strict accordance with the supplier's recommendations and within time as specified in ASTM C 94. The fiber shall comply with ASTM Designation C 1116 Type III 4.1.3. Standard ACI 302 procedures for placing, finishing and curing shall be followed when using Grace MicroFiber.

2.5 Additives

Additives that have not been aforementioned within this specification shall not be used in any concrete without written approval from the owner or owner's representative.

2.6 Forms

Forms shall be of lumber with a minimum two-inch (2") nominal thickness and six-inch (6") nominal width or steel with equal rigidity. They shall be held securely in place by stakes, braces, or other means and shall not allow concrete leakage. Forms for curves shall be flexible or shall be curved forms conforming to radius of curves shown on drawings. The use of straight sections will not be permitted for curves. Forms shall be clean and those for surfaces to be exposed shall produce a smooth, even finish without fins or board marks.

2.7 Expansion Joint Material

Expansion joint material shall meet the Illinois Department of Transportation Standard for Road and Bridge Construction adopted January 1, 2002, Section 1051.00 Preformed Expansion Joint Fillers. Approved filler shall be as described in Section 1051.03 Bituminous Preformed Joint Filler, and 1051.04 Preformed Fiber Joint Filler, and 1051.05 Bituminous Preformed Inorganic Fiber Joint Filler and 1051.08 Preformed Closed Cell Plastic Joint Filler. All applicable sections shall apply for the above approved items.

- A. Expansion Joint Material: "Proflex" vinyl expansion joint filler, 1/2 inch thick, height equal to slab thickness. As manufactured by Oscoda Plastics, Inc. 800-544-9538, or approved equal. Proflex shall not be caulked.

3.0 EXECUTION

3.1 Concrete Mixing

Concrete shall be mixed only as required for immediate use and any which has developed initial set shall not be used. Concrete, which has partially hardened, shall not be re-tempered or re-mixed. The use of a fractional sack of cement will not be permitted unless the fractional part is measured by weight. The mixer shall be cleaned thoroughly each time when out of operation for more than thirty minutes.

Concrete mixes will be measured as described in the current Method Test for Consistency of Portland Cement Concrete of the ASTM Designation C-143. The concrete shall at times be of such consistency and workability, that it will puddle readily into corners and angles of the forms and around joint, dowels, tie bars and reinforcement without excessive spading, segregation or undue accumulation of water.

The mixing of concrete in truck mixers in route from the batching plant to the site will not be allowed without prior approval. Mixing shall take place at the batching plant. The mixing shall be done on a level area, sloping not more than two percent in any direction.

The concrete shall be discharged within a period of one hour after the introduction of the mixing water with the dry materials or within a period of 1-1/2 hours after the cement has been placed in contact with the aggregates. It shall be within the specified limits for consistency and air content and it shall not be segregated.

3.2 Sub-grade

Sub-grade or base shall be accurately graded and compacted as specified in Section 2200, EARTHWORK. The sub-grade or base shall be moistened just before the concrete is placed.

3.3 Forms

The forms shall be set so that concrete slabs will have a slope of not less than 1/4" per foot. Forms shall be held in line and grade by stake or braces at intervals to produce layout as specified in plans. Straight lines shall change to curve where line is tangent to curve. Forms shall be constructed in a manner that will permit their removal from exposed areas without damage to fresh concrete. Forms shall be of the full depth of the structure. Provide uniform bearing for all forms. The inside surface of the forms shall be oiled with a light, clear paraffin-base oil which will not discolor or otherwise injuriously affect the concrete as on walls or other exposed surfaces. All forming shall be approved by owner or owner's representative before pouring concrete.

3.4 Reinforcement

All steel reinforcement shall be accurately placed in position shown on plans and firmly held during the placing of concrete. When placed in the work, steel shall be free from dirt, rust, mill scale, paint, oil or other foreign material. Bars shall be placed with a variation in spacing between adjacent bars of not more than one-sixth of the spacing shown on the plans, and the clear distance from the near surface of the concrete and the reinforcement shall not vary from the distance shown on the plans by more than one-fourth the plan distance. Bars shall be tied at all intersections except where the spacing is less than one foot in each direction in which case every other intersection shall be tied. Supports for reinforcement which are to remain in the work shall be either precast concrete blocks of approved shape and dimensions, or approved preformed steel bar-chairs.

Bars shall not be spliced except as provided on the plans or as authorized by the owner or owner's representative.

MicroFiber may be added to concrete at any point during the batching or mixing process. MicroFiber may be added to the aggregate during weighing or charging, or to the central mixer or truck before, during, or after charging. The concrete must be mixed at high speed for 5 minutes, or 70 revolutions, after the addition of MicroFiber to ensure uniform distribution. The standard range of addition for MicroFiber is 300 to 600 g/m³.

3.5 Placing Concrete

Placing concrete shall not be permitted until the sub-grade and forms have been approved by the owner or owner's representative. The concrete shall be placed in one pour for the full depth of stated structure unless otherwise approved by the owner or owner's representative. The concrete shall be placed in successive batches for the entire width of structure. It shall be struck off from 1/2" to 3/4" higher than the finished grade, tamped until all voids are removed and free mortar appears on the surface. Finally, it shall be thoroughly spaded along the edges, struck off to the proper grade, and finished to a plane, even surface with floats and trowels. The final troweling shall be done with steel trowel, leaving a smooth even surface.

3.6 Finishing

After the water sheen has disappeared, the surface shall be given a final finish by brushing with a whitewash brush. The brush shall be drawn across the sidewalk or structure at right angles to the edges of the walk or structure, with adjacent strokes slightly overlapping, producing a uniform, slightly roughened surface with parallel brush marks. Brush marks should be of a depth to produce a light broom finish.

Edges on all concrete shall be rounded to a radius of 1/4" with a finishing tool unless otherwise specified. All joints shall be rounded with a double edging tool having a radius of 1/4" on each side and the surface shall then be brushed lightly to produce a slightly roughened surface and remove the finishing tool marks.

The surface shall be divided by grooves called contraction joints constructed at right angles to the centerline of the sidewalk or structure. These joints shall extend to 1/4 the depth of the sidewalk, shall be not less than 1/8" nor more than 1/4" in width, and shall be edged with a jointing or edging tool having 1/4" radius. The joints shall be five feet apart on sidewalks and ten feet apart on curbs unless otherwise specified.

Expansion joints shall be placed between all separate pours, all structures and at thirty foot intervals on both sidewalks and curbs. See Section 2521: Joint Filler and Sealant for material specification.

3.7 Protection

Protection of Concrete shall be performed in following manner:

Protection Against Vandalism: The contractor shall take all necessary precautions to ensure the protection of work against vandalism or graffiti. Any work, which is blemished in the finish, will be cause for rejection of flat work or curbing.

Protection Against Rain: The contractor shall take such precautions as are necessary to protect the concrete from damage.

Hot Weather Limitations - Casting of concrete during hot weather shall be limited by the temperature at the time of placing. Concrete shall not be cast when the temperature is above 90 degrees Fahrenheit. Care shall be taken to properly wet and protect all concrete placed indirect sun or in hot weather.

Cold Weather Limitations - No concrete shall be placed unless the temperature of the air in the shade and away from artificial heat is at least 32 degrees Fahrenheit and rising unless specifically approved. All concrete poured at less than 40 degrees Fahrenheit, or at a time when within 24 hours of pouring concrete the temperature shall dip below 40 degrees Fahrenheit shall be insulated. The Contractor shall be responsible for the concrete placed during cold weather and any concrete injured by frost action shall be removed and replaced at Contractors expense.

3.8 Curing

Forms shall be left in place for a period of not less than 12 hours. Immediately after they have been removed, all porous or honeycomb areas thus uncovered shall be filled smooth with mortar consisting of one part cement and two parts fine aggregate. Also, the ends of all expansion joints shall be cut open to the full width of the expansion joint material.

Placing concrete, once started, shall be a continuous operation. No portion of a walk, curb or paved area shall be partially poured except as shown for installation of joints.

3.9 Footings

Concrete footings shall be sloped at the top to ensure drainage away from the embedded item (post or otherwise). All footings shall be constructed as indicated on the detail drawings. All footings unspecified on drawings shall be according to the manufacturer's specifications of the product to be footed, but depth of all footings shall be a minimum of 42" below finished grade.

END OF SECTION

SECTION 32 2577
PAINTED PAVEMENT MARKINGS

1.0 GENERAL

1.1 Description

A. This work shall consist of furnishing all labor, materials, tools, and equipment necessary for surface preparation and application of paint pavement markings, including clean-up and restoration of the location.

1.2 References

A. Work under this item shall be performed in accordance with Sections 703, 780 and 1095 of the "Standard Specification for Road and Bridge Construction", latest edition, as adopted by the State of Illinois Department of Transportation (IDOT), except as herein modified, and the Manual of Uniform Traffic Control Devices (MUTCD).

1.3 Submittals

A. The contractor shall submit to the Engineer a certificate from the supplier indicating compliance with Article 1095.02 of the "Standard Specification for Road and Bridge Construction", latest edition, as adopted by the State of Illinois Department of Transportation (IDOT), except as herein modified.

2.0 MATERIALS

2.1 Paint

A. Paint materials shall meet the requirements of Article 1095.02 of the "Standard Specification for Road and Bridge Construction", latest edition, as adopted by the State of Illinois Department of Transportation (IDOT), except as herein modified.

3.0 EXECUTION

3.1 Paint Pavement Markings

A. Work under this item shall be performed in accordance with Articles 780.01, 780.02, 780.03, 780.04, and 780.06 of the "Standard Specification for Road and Bridge Construction", latest edition, as adopted by the State of Illinois Department of Transportation (IDOT), except as herein modified.

1. Do not apply paint pavement markings until the layout and placement has been verified with the Engineer.
2. The paint shall be applied with mechanical equipment to produce uniform straight line edges.
3. Rate of application shall be as per manufacturer's recommended rate, but in no case shall the rate of application be less than that specified in Article 780.06 of the "Standard Specification for Road and Bridge Construction", latest edition, as adopted by the State of Illinois Department of Transportation (IDOT), except as herein modified.

END OF SECTION