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|-------|--|--------------|
| Title | Parkchester Park, 851 Weiland Road, Buffalo Grove, Illinois 60089 | 03/17/2025 |
| | by Laurie Hoffman in Member District ADA Project Request | id. 49996412 |
| | 530 Bernard Drive Buffalo Grove, Illinois 60089 IL United States 8478502115 lhoffman@bgparks.org | |

| | |
|----------------------------|------------|
| Original Submission | 03/17/2025 |
|----------------------------|------------|

| | |
|--|--|
| Score | n/a |
| Name | Laurie Hoffman |
| Job Title | Planning and Development Manager |
| E-mail Address | laurie@bgparks.org |
| Phone Number | 8478502115 |
| Park District | Buffalo Grove |
| Project Location | Parkchester Park, 851 Weiland Road, Buffalo Grove, Illinois 60089 |
| Project Status | Alteration |
| Project Type | Recreation Facilities and Amenities Routes and Surfaces Communications |
| Communications- select a Project Category below: | Engineers- Consultants Signage |
| Recreation Facilities and Amenities- select a Project Category below: | Playgrounds- Play Components |
| Routes and Surfaces- select a Project Category below: | Parking Spots Play Surfaces Sidewalks |

| | |
|---|--|
| Benefits of the Project | Existing park site being renovated with updated playground equipment, new trail system and adding parking lot. |
| Items that will become ADA Compliant | New Playground, new trail system and sidewalks, parking |
| The project is designed or constructed, or applies human resources, to comply with: | The Illinois Accessibility Code |
| Upload Project Related Files, Photos, Videos or Audio 1183_Parkchester_Park_Bid__Specifications.pdf 1183_Parkchester_Park_Bid_Drawings.pdf Construction_24020_Pay_Est_4_12.10.24.pdf Playground_INV-147887.pdf Schroeder_Bid_Documents.pdf | |
| Budget Table for ADA Related Expenses Budget Table.xlsx | |
| ADA Dollars Requested | 335785 |
| Notes related to requested amount | |



BUFFALO
GROVE
PARK
DISTRICT

**PARKCHESTER PARK
OSLAD GRANT DEVELOPMENT**

Project Location

**PARKCHESTER PARK
851 WEILAND ROAD
BUFFALO GROVE, IL 60089**

Owner

**BUFFALO GROVE PARK DISTRICT
530 BERNARD DR.
BUFFALO GROVE, IL 60089**

Contact

**Laurie Hoffman
Laurie@bgparks.org**

Date

JANUARY 10, 2024

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BUFFALO
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**Buffalo Grove Park District
Parkchester Park OSLAD Grant Development**

Sealed bids will be received by the Buffalo Grove Park District for the Parkchester Park OSLAD Grant Development Project, no later than **Wednesday, January 31, 2024 at 11am CST**.

This project will participate in sealed electronic bidding and all bids will need to be submitted electronically to BHFX Digital Imaging's Plan Room. Any bids that are mailed or submitted in person will be disqualified.

The project site is located at Parkchester Park, 851 Weiland Road in Buffalo Grove, Illinois. A non-mandatory pre-bid meeting will be held at the project site on January 17, 2024 at 11am CST. The project site is open to the public and any additional site visits of the park area do not need to be scheduled with the Park District prior to arrival.

The project consists of demolition, asphalt, concrete, sport courts, playground, site furnishings, earthwork, underdrainage and partial restoration.

This project is partially funded through the Illinois Department of Natural Resources.

All bidders shall submit a résumé of similar projects performed, enumerated, as to location, type of work, approximate completion date, and project engineering firms. Additionally, all bidders should submit a list of equipment owned by, or available to them, for the efficient pursuance of the project.

Interpretations will be given to bidders as to the meaning of the drawings and specifications until 12 pm on January 24, 2024. Requests for clarifications must be submitted by e-mail to Maria Blood, mblood@uplanddesign.com prior to that date and time. Any replies to requests that are received will be issued in writing as an addendum to all bidders. All addenda to bidders are to be incorporated in the bids and will become part of the contract documents. Requests for information received after 12 pm on January 24, 2024 will not be allowed. After submission of the proposal, no complaint or claim that there was any misunderstanding in regard to items listed for bidding will be entertained.

Lump Sum Bid Proposals for, **General Contractor**, will be received until the scheduled time of closing the receipt of bids, and then will be publicly opened at approximately 11:05am CST during a live, online public bid opening on Wednesday, January 31, 2024 at 11am CST. Bidders will be provided a Zoom Meeting invitation for the time set for opening in the Invitation to Bid. A representative from the Park District will open and read off the bids through the BHFX sealed electronic bidding process. A second representative from the Park District along with a representative from Upland Design will be present as witness. The Zoom Meeting will be recorded. A bid tabulation will be created, emailed out to all bidders, and posted on the Park District website

for public viewing. The Park District will reach out to the apparent low bidder(s) after the Zoom Meeting in order to set up a time for a scope review.

The Board of Commissioners of the Buffalo Grove Park District reserves the right to reject any or all bids or parts thereof, or waive any irregularities or informalities, and to make an award that is in the best interest of the Park District. Bid security in the form of a bid bond or certified check in an amount equal to (10%) ten percent of the total bid amount plus any alternates shall be submitted with the bid. Should a bid bond be submitted, the bid bond shall be payable to the Buffalo Grove Park District.

The Buffalo Grove Park District encourages Minority-Owned and Women-Owned businesses to submit bids and that any successful contract bidder uses Minority-Owned and Women-Owned businesses as sub-contractors for supplies, services, and construction.

The Buffalo Grove Park District is a public body that is subject to the Prevailing Wage Act, Illinois Revised Statutes, Chapter 48, Paragraph 39s-1, et seq. All bidders must comply with applicable Illinois Law requiring the payment of prevailing wages by all Contractors. Bidders must comply with the Illinois Statutory requirements regarding labor, including Equal Employment Opportunity Laws.

The successful bidder will be required to furnish insurance equal to or greater than the specified amounts and conditions. The cost of the insurance will be included in each bidder's proposal. The successful bidder will be required to furnish a performance bond and payment bond to the owner equal to (100%) one hundred percent of the proposal amount. The cost of the performance and payment bond will be included in each bidder's proposal.

The bidding documents will be available on **Wednesday, January 10**, and may be obtained from BHFx Digital Imaging, Libertyville, IL and seven other area BHFx locations. The BHFx phone number is 847.816.6022 or www.bhfxplanroom.com. Contractors may obtain electronic bid documents through BHFx in pdf format via internet download or can elect for paper copies, at the contractor's expense.

The Bid may be awarded at the Park District Board Meeting on February 26, 2024 at 7pm CST at the Buffalo Grove Park District Alcott Community Center.



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Project Identification, Summary, and Schedule

1. Identification and summary of Project

The official name and location of the project shall henceforth be known as:

PARKCHESTER PARK OSLAD GRANT DEVELOPMENT

The official name and address of the project owner shall henceforth be known as:

Buffalo Grove Park District
530 Bernard Drive
Buffalo Grove, Illinois 60089

2. Commencement of Work:

Work shall be commenced within ten (10) calendar days of "Notice to Proceed".

3. Contract Begins:

"Notice to Proceed" to be issued on February 28th, 2024 , subject to Board Approval on February 26, 2024.

4. Start of Construction:

April 1, 2024, weather permitting.

5. Substantial Completion:

**June 1, 2024 – Earthwork Completion Around the Pond and East Edge of the Park Site
for Owner Seeding Operation
July 31, 2024 – Rest of Project Site**



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INSTRUCTIONS TO BIDDERS

1. Contract Documents

- a. The Cover Letter; Bid Notice; Project Identification, Summary, and Schedule; Instructions to Bidders; Invitation to Bid; Specifications; Drawings; Bid Form; and the Agreement comprise the Contract Documents.
- b. The bidding documents will be available on **Wednesday, January 10, 2024**, and may be obtained from BHFX Digital Imaging, Libertyville, IL and seven other area BHFX locations. The BHFX phone number is 847.816.6022 or www.bhfxplanroom.com. Contractors may obtain electronic bid documents through BHFX in pdf format via internet download or can elect for paper copies, at the contractor's expense.

2. Explanation to Bidders

- a. Any explanation desired by a Bidder regarding the meaning or interpretation of the contract documents should be addressed in writing, via email, to Maria Blood, mblood@uplanddesign.com. Any interpretation made will be in the form of an addendum and will be furnished to all prospective Bidders. Receipt of each addendum by the Bidder must be acknowledged in the space provided on the Bid Form. Please refrain from submitting any questions after **12pm on Wednesday, January 24, 2024** to allow sufficient time for a reply to each Bidders questions before the submission of the bid proposals. Oral explanations or instructions given before the award of the contract will not be binding. After submission of the proposal, no complaint or claim that there was any misunderstanding in regard to items listed for bidding will be entertained.

3. Conditions Affecting the Work

- a. There will be a non mandatory Pre-Bid meeting at the site on January 17, 2024 at 11am. The project site is open to the public and any additional site visits of the park area do not need to be scheduled with the Park District prior to arrival.

4. Bid Guarantee

- a. A Bid Guarantee is required by the Invitation to Bid in the amount of ten (10) percent of the Contract Bid Amount. Failure to furnish a Bid Guarantee in the proper form and amount, by the time set for opening of bids, will render the bid deficient and ineligible for acceptance.
- b. A Bid Guarantee shall be in the form of a bid bond, postal money order, certified check, or cashier's check made payable to the Owner. Bid Guarantees, other than those stated, will be returned (a) to unsuccessful Bidders as soon as practicable after the award of job, and (b) to the successful Bidder upon execution of such further contractual documents and bonds as may

be required by the bid as accepted.

- c. The successful Bidder, upon being given a written "Notice to Proceed", will have ten (10) calendar days to provide the required Performance Bond in the amount of ten (10) percent of the Contract Bid Amount and Insurance Policies or certificates for same, and commence with the work. Failure to comply with the conditions set forth in the Contract Documents shall result in the termination of the contract for default. In such event, the Contractor may be liable for any costs of performing the work, which exceed the amount of his bid, and the Bid Guarantee, shall be available toward offsetting such difference, if not previously returned to the Contractor.

5. Preparation and Submission of Bids

- a. Before submitting a proposal, each Bidder shall carefully examine all documents pertaining to the work. There will be a non-mandatory Pre-Bid meeting. The project site is open to the public and any additional site visits of the park area do not need to be scheduled with the Park District prior to arrival.
- b. Submission of a bid will be considered presumptive evidence that the Bidder is conversant with local facilities and difficulties, the requirements of the documents and of pertinent State or Local Codes, the state of Labor and Material Markets, and has made due allowance in his bid for all contingencies. Include in bid all costs of labor, material, equipment, allowance, fees, guarantees, applicable taxes, insurance and contingencies, with overhead and profit necessary to produce a complete project, or to complete those portions of the work covered by the Specifications on which proposal is made including all trades, without further cost to the Owner. The Park District will obtain any required permits and pay the associated permit fees. The Bidder is responsible for arranging all required inspections, as well as incurs the cost of any required inspections.
- c. No compensation will be allowed by reason of any difficulties, which the Bidder could have discovered, or reasonably known prior to bidding.
- d. All proposals must be made upon the Bid Form furnished by the Owner, attached hereto, and should give the amounts bid for work, in numbers, and must be signed and acknowledged by the contractor. **This project will participate in sealed electronic bidding and all bids will need to be submitted electronically to BHFX Digital Imaging's Plan Room.** All bidders should contact Laurie Hoffman, at 847.850.2115, after they have submitted their bid, to confirm that it has been received prior to the deadline. **Any bids that are mailed or submitted in person will be disqualified.**
- e. The proposal submitted must not contain erasures, interlineations, or other corrections.
- f. Modifications of bids already submitted will **NOT** be allowed.
- g. **The following items are to be returned as your completed Bid Proposal:**
 - i. Signed Bid Form and include completed Unit Cost Worksheet.
 - ii. Signed Agreement with the bidder's name completed on line two.
 - iii. Signed Anti-Collusion Affidavit.
 - iv. Signed Harassment Policy Form.
 - v. Signed Illinois Drug Free Work Place Form.

- vi. Signed Bid Rigging Form.
- vii. Signed Equal Employment Opportunity Form.
- viii. Signed Law Compliance Form.
- ix. Signed Required Insurance Certifications forms.
- x. Bid Guarantee.
- xi. Reference sheet listing three comparable projects within the last five years.
- xii. Estimated Project Schedule encouraged, but not required.

6. Prices

- a. The prices are to include the furnishing of all materials, equipment, supplies, tools, transportation, superintendence, insurances, bonds, warranties, and all other 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.
- b. The Buffalo Grove Park District has an exempt sales tax status. Therefore, **NO** sales tax monies shall be included in the bid price. **The Park District's Tax Exemption Identification Number is E99980401.** Illinois Sales Tax Exemption Certificate will be provided upon request.

7. Time Schedule

- a. The timely execution of any project is extremely important. We ask that you supply a work schedule ten (10) calendar days after you have received the "Notice to Proceed".

8. Late Bids, Modifications, or Withdrawals

- a. Bids and modifications or withdrawals thereof received after the exact time set for opening of bids will not be considered.

9. Withdrawal of Bids

- a. Bids may be withdrawn by written or email request sent to the Buffalo Grove Park District's Executive Director, received from Bidders prior to the time set for opening of bids.

10. Public Opening of Bids

- a. Lump Sum Bid Proposals for, **General Contractor**, will be received until the scheduled time of closing the receipt of bids, and then will be publicly opened at approximately 11:05am CST on January 31, 2024, during a live, online public bid opening. Bidders will be provided a Zoom Meeting invitation for the time set for opening in the Invitation to Bid. A representative from the Park District will open and read off the bids through the BHFx sealed electronic bidding process. A second representative from the Park District along with a representative from Upland Design, Ltd will be present as witness. The Zoom Meeting will be recorded. A bid tabulation will be created, emailed out to all bidders, and posted on the Park District website for public viewing. The Park District will reach out to the apparent low bidder(s) after the Zoom Meeting in order to set up a time for a scope review.

11. Terms of Contract

- a. Award of Contract will be made to the lowest responsible Bidder as determined by the Board of Commissioners of the Buffalo Grove Park District. The Board of Commissioners will accept the lowest responsible bid or may reject all bids or award any portion of the bid, without disclosure of a reason. The failure to make such a disclosure shall not result in accrual of any right, claim, or cause of action by any Bidder against the Buffalo Grove Park District. Further, the District reserves the right to waive requirements in the Specifications. Bids will be

awarded based on price, service date, and service credentials. The decision of the Buffalo Grove Park District will be final and binding.

- b. This project is partially funded through the Illinois Department of Natural Resources Open Space Lands Acquisition & Development (OSLAD) grant program.

12. Prevailing Wage Law

- a. The Buffalo Grove Park District is a public body that is subject to the Prevailing Wage Act, Illinois Revised Statutes, Chapter 48, Paragraph 39s-1, et seq. Contractor shall comply at all times with the provisions of the Act to the extent that the Act applies. Failure of Contractor to comply with the Act, including, but not limited to the inspection of records, and any rules or regulations promulgated by the State of Illinois with regard to the Act, will result in the cancellation of the Contract. Contractor expressly waives any right for recovering damages due to Contract cancellation. Contractor's bonds shall include such provision and will guarantee the faithful performance of such prevailing wage clause as provided by this contract.
- b. Contractor shall maintain accurate records of the names, occupations, and wages paid to each laborer, worker, and mechanic employed in connection with the work. Contractor, and any required subcontractors, are obligated to file certified payrolls through the Illinois Department of Labor (IDOL) portal, per Public Act 100-1177. In addition, the Contractor shall provide electronic copies of all certified payrolls filed through IDOL's portal.

13. Contract and Insurance

- a. The accepted Bidder shall enter into a written contract; provide the Owner with a Performance Bond, and copies of Workman's Compensation and Public Liability Insurance Policies, Harassment 33E-11 or certificates thereof within ten (10) days of awarded contract.
- b. All Contractors must comply with the provisions of the Illinois Human Rights Act (Act) dealing with equal employment opportunities (Section 2-105, 775 ILCS 5/2-105) including equality of employment opportunity and the regulations of the Department of Human Rights of the State of Illinois and also must provide for the adoption and implementation of written Sexual Harassment Policies. The Contract with the Bidder will provide for this requirement. The statutory provisions setting forth what such policies shall include as a minimum under the Act are on file with the District and available to the Contractor upon request.
- c. The Buffalo Grove Park District encourages Minority-Owned and Women-Owned businesses to submit bids and that any successful contract bidder use Minority-Owned and Women-Owned businesses as sub-contractors for supplies, services, and construction.

14. Freedom Of Information Act ("FOIA")

- a. The Buffalo Grove Park District ("BGPD") as a public body is subject to the provisions of the Freedom of Information Act, 5 ILCS 140/1, et seq. ("FOIA"), and any and all information submitted by you to BGPD is subject to a disclosure to third parties in accordance with FOIA.
- b. If you intend for the BGPD to withhold trade secrets, commercial information, or financial information from disclosure to a third party in response to a FOIA request, you must include with your bid documents, a written notification specifically identifying the information that constitutes trade secrets, commercial information or financial information along with a

statement that disclosure of such information will cause competitive harm to you, as provided by FOIA Section 7(1)(g), 5 ILCS 140/7(1)(g). Any content not so marked at the time of your bid submittal will be presumed to be open to public inspection. The bidder may be required to substantiate the basis for any one or more of its claims at a later time.

- c. Notwithstanding timely notice received from a bidder in accordance with Section 7(1)(g), the public body reserves the right, in its sole discretion and subject to applicable law, to withhold or release the subject information in response to a FOIA request.

15. Postponement of Date for Opening Proposals

- a. The Owner reserves the right to postpone the date of presentation and opening of bids and will give electronic notice of any such postponement to each interested party.

16. Payment Terms and Additional Charges

- a. Payment requests shall be made no later than the second Friday of each month for purposes of placing the invoice on the monthly warrant for payment. Monthly warrant for payment is subject to approval by the Park District Board of Commissioners. Upon written request of the Contractor to the Park District, and provided the Contractor is not then in default hereunder, the Park District, may in its sole discretion certify a partial payment or payments of up to ninety percent (95%) of the value of the work completed at the time of the request for partial payment provided that the Contractor shall present to the Park District reasonable cause for such request together with appropriate waivers of lien, receipts or bond as in the specification provided. Payment will be made to the Contractor following Park District Board approval in accordance with Local Government Prompt Payment Act (50 ILCS 505/).
- b. In accordance with (815 ILCS 603/20 new) Sec. 20. Retainage. The Owner may elect to withhold retainage of up to 10% of any payment made prior to the completion of 50% of the contract. When a contract is at least 50% complete, retainage withheld shall be reduced, so that no more than 5% is held. After the contract is 50% complete, no more than 5% of the amount of any subsequent payments made under the contract may be held as retainage.

17. Warranty

- a. Each bidder must indicate on the bid form the warranty(s) and attach a copy of the warranty agreement(s) to bid.



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BID FORM 1 of 3

Proposal of _____, hereinafter called "BIDDER", (a)/ (an) (corporation, partnership, individual)

Doing business as _____ to the Buffalo Grove Park District, herein after called the "Owner".

The Bidder, in response to your advertisement for bids of the **PARKCHESTER PARK OSLAD GRANT DEVELOPMENT**, examined the Specifications, Drawings, and other contract documents, hereby proposes to furnish and deliver all materials and supplies in accordance with the Contract Documents, within the time set forth there in and at the prices stated below. These prices are to cover all expenses including delivery to Buffalo Grove, Illinois.

Bidder acknowledges receipt of the following Addenda(s), which is (are) a part of the Contract Documents:
Number(s): _____

Base Bid for all work: \$ _____

Include completed Unit Cost Worksheet.

Bidder hereby agrees to start work within ten (10) calendar days after receipt of "Notice to Proceed" from the Owner and to substantially complete the project as specified in the Project Identification and Schedule.



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BID FORM 2 of 3

Important Note– To the extent it applies, Contractor must comply with requirements of the Illinois Prevailing Wage Act. Copies of the Labor Standards Provisions and the most recent Department of Labor Wage Determination can be found on the Department of Labor web site.

Bidder agrees to perform all of the work specified and required by the proposed contract documents. Accompanying bid is a 10 % Bid Bond (in the form of a Bid Bond, Certified Check or Cashier's Check) In the amount of (\$ _____), the same being subject to forfeiture in the event of default by the undersigned.

In submitting this bid, it is understood that the right is reserved by the Owner to reject any and all bids and it is agreed that this bid may not be withdrawn during the period of days provided in the Contract Documents.

The Bidder here by certifies:

- A. That this bid is genuine and is not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation.
- B. That he/she has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid.
- C. That he/she has not solicited or induced any person, firm, or corporation to refrain from bidding.
- D. That he/she has not sought by collusion or otherwise to obtain for him any advantage over any other bidder or over the "Owner"
- E. That he/she, to the extent that it applies, must comply with requirements of the Illinois Prevailing Wage Act.
- F. That he/she is in compliance with the Criminal Code Act of 1961, Article E-11, Public Contracts, and Public Act 85-1295.
- G. That all materials, methods and workmanship shall conform to the General Conditions and Performance Specifications.



BUFFALO
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BID FORM 3 of 3

(Owner)

(Address)

(City/State/Zip)

(Phone)

BY: _____

(Sign)

(Print Name)

(Date)

(Contractor)

(Address)

(City/State/Zip)

(Phone)

BY: _____

(Sign)

(Print Name)

(Date)

Unit Cost Worksheet for:
Parkchester Park
OSLAD Grant Development

Contractor: _____

TO: Buffalo Grove Park District
Parkchester Park OSLAD Grant Development
530 Benard Drive
Buffalo Grove, Illinois 60089

Project # 1183

The undersigned bidder has carefully examined the plans and specifications for Buffalo Grove Park District Parkchester Park OSLAD Grant Development, in Buffalo Grove, 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

SY = Square Yard

FF = Finished Face

CF = Cubic Feet

CY = Cubic Yard

SFF = Square Face Foot

LF= Lineal Feet

LS = Lump Sum

BASE BID

| Item # | Description | Quantity | Unit | Installed Unit Price | Item Total |
|--------|--|----------|------|----------------------|------------|
| 1 | Site Preparation, Removals & Earthwork, Complete | 1 | LS | \$ | \$ |
| 2 | Undercut and PGE - Allowance to be used only upon Owner pre-approval | 200 | CY | \$ | \$ |
| 3 | Temporary Concrete Washout | 1 | LS | \$ | \$ |
| 4 | Inlet Protection | 1 | LS | \$ | \$ |
| 5 | Stabilized Construction Entrance | 1 | LS | \$ | \$ |
| 6 | Silt Fence | 1342 | LF | \$ | \$ |
| 7 | As Built Survey by IL Licensed Surveyor | 1 | LS | \$ | \$ |
| 8 | Asphalt Paving - Vehicular | 611 | SY | \$ | \$ |
| 9 | Parking Lot Striping | 1 | LS | \$ | \$ |
| 10 | Asphalt Paving - 8' Trail | 2353 | SY | \$ | \$ |
| 11 | Asphalt Paving - Court | 1731 | SY | \$ | \$ |
| 12 | Asphalt Color Coat - Basketball Court, Tennis, & Pickleball Court | 1726 | SY | \$ | \$ |
| 13 | Concrete Paving | 4003 | SF | \$ | \$ |

Unit Cost Worksheet for:
Parkchester Park
OSLAD Grant Development

Contractor: _____

| | | | | | |
|--|--|------|----|----|----|
| 14 | Curb and Gutter B6-12 | 302 | LF | \$ | \$ |
| 15 | Curb at Playground | 357 | LF | \$ | \$ |
| 16 | Curb at Courts | 488 | LF | \$ | \$ |
| 17 | Poured-in-Place Surfacing on Gravel | 5735 | SF | \$ | \$ |
| 18 | ADA Sign | 1 | EA | \$ | \$ |
| 19 | Stone Outcropping | 1 | LS | \$ | \$ |
| 20 | Painted Games | 1 | LS | \$ | \$ |
| 21 | 4" Perf SDR26 Playground Underdrainage | 312 | LF | \$ | \$ |
| 22 | 4" Perf SDR26 Courts Underdrainage | 961 | LF | \$ | \$ |
| 23 | 6" Solid PVC SDR26 Underdrainage | 55 | LF | \$ | \$ |
| 24 | 8" Storm Sewer PVC | 45 | LF | \$ | \$ |
| 25 | Core and Connect to Inlet/Manhole | 4 | EA | \$ | \$ |
| 26 | 24" Diameter Catch Basin, Type A | 1 | EA | \$ | \$ |
| 27 | 24" Diameter Manhole, Type A | 1 | EA | \$ | \$ |
| 28 | Drain Cleanout | 6 | EA | \$ | \$ |
| Play Equipment shall be purchased by Owner, Contractor shall take delivery and fully install. | | | | | |
| 29 | Install of Communication Station | 1 | LS | \$ | \$ |
| 30 | Install 5-12 Play Structure | 1 | LS | \$ | \$ |
| 31 | Install of Welcome Sign | 1 | LS | \$ | \$ |
| 32 | Install Wee Planet Climber | 1 | LS | \$ | \$ |
| 33 | Install Curva Spinner | 1 | LS | \$ | \$ |
| 34 | Install Double Bobble Rider SB | 1 | LS | \$ | \$ |
| 35 | Install OmiSpin Spinner | 1 | LS | \$ | \$ |
| 36 | Install Roller Table | 1 | LS | \$ | \$ |
| 37 | Install Sport Climber | 1 | LS | \$ | \$ |
| 38 | Install Swings - 4 Unit | 1 | LS | \$ | \$ |
| Site Furniture shall be purchased by Owner, Contractor shall take delivery and fully install. | | | | | |
| 39 | Install 10X10 Fabric Shade | 2 | EA | \$ | \$ |

Unit Cost Worksheet for:
Parkchester Park
OSLAD Grant Development

Contractor: _____

| Site Furniture shall be purchased by Contractor, Contractor shall take delivery and fully install. | | | | | |
|--|---|-----|----|----|----|
| 40 | Basketball Hoop, Net, and Backboard | 2 | EA | \$ | \$ |
| 41 | Tennis Posts, Net and Center Strap | 1 | EA | \$ | \$ |
| 42 | Pickleball Posts, Net and Center Strap | 1 | EA | \$ | \$ |
| 43 | Chainlink Fence - 10' Height at Courts | 485 | LF | \$ | \$ |
| 44 | Interpretive Sign - Graphics by Owner | 5 | EA | \$ | \$ |
| 45 | Lawn Restoration - Topsoil and Fine Grade All Areas of Disturbance and Purchase of Seed by Contractor | 1 | LS | \$ | \$ |

Base Bid Total \$ _____

Base Bid in Writing:

End of Bid Items - Fill out remainder of forms.

Provide 2 copies of bid form.

CONTRACTOR: _____

CONTACT: _____ SIGNATURE: _____

PHONE: _____ FAX: _____

ADDRESS: _____

List Surety Company Which Contractor will be using for Performance and Payment Bonds: _____



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PARK
DISTRICT

AGREEMENT page 1 of 3

This Agreement made this _____ day of _____, 20____, by and between _____, hereinafter called the "CONTRACTOR" and the BUFFALO GROVE PARK DISTRICT, hereinafter called the "OWNER".

WITNESSETH, that the CONTRACTOR and the OWNER for the consideration stated here-in agree as follows:

ARTICLE I – SCOPE OF WORK: The CONTRACTOR shall provide all of the materials and perform all of the work described in the specifications entitled **PARKCHESTER PARK OSLAD GRANT DEVELOPMENT** and in strict accordance with the requirements of all of the component parts of this Agreement as noted under Article V, all of which are attached hereto and made a part hereof.

ARTICLE II – TIME OF COMPLETION: This work to be performed under this agreement shall be commenced on **April 1, 2024** and shall be completed on **July 31, 2024**.

ARTICLE III – CONTRACT PRICE: The OWNER shall make payments to the CONTRACTOR for the completed performance of work included in this agreement in compliance with the prices as noted in the proposal dated and in accord with subsequent approved agreement change orders subject to all of the provisions of the component parts of this agreement.

ARTICLE IV – COMPLIANCE WITH LAW: The CONTRACTOR shall comply with all statutes, rules and regulations of all Federal, State and Local Agencies having jurisdiction over the proposed improvement at the time the proposal was submitted to the OWNER. Any and all costs associated in complying with said statutes, rules and regulations in effect at the time proposals were submitted and due shall be included within the costs of the proposal submitted.

ARTICLE V – COMPLIANCE WITH PREVAILING WAGE ACT: To the extent that it applies, Contractor must comply with requirements of the Illinois Prevailing Wage Act.



BUFFALO
GROVE
PARK
DISTRICT

AGREEMENT page 2 of 3

ARTICLE VI – COMPLIANCE WITH ADA: In addition to the obligations set forth in Article IV, the contractor confirms that the materials and/or products listed in the proposal for bid do comply with the Americans with Disabilities Act, Title II, the ADA Accessibility Guidelines, the Illinois Accessibility Code, and all rules and regulations promulgated with reference thereto. In addition, if the contractor is obligated by this agreement to install the materials and/or products, the contractor shall install the materials and/or products in compliance with the Americans with Disabilities Act, Title II, ADA Accessibility Guidelines, the Illinois Accessibility Code, and all rules and regulations promulgated with reference thereto. All costs of compliance with said statutes, rules and regulations in effect at the time the contractor submitted its bid have been included in the contract price.

ARTICLE VII – COMPONENT PARTS OF THIS AGREEMENT: This agreement consists of the following component parts, all of which are as fully a part of this agreement as if herein set out verbatim, or if not attached, as if attached hereto:

1. Cover Letter
2. Bid Notice/Invitation to Bid
3. Instructions to Bidders
4. Bid Form and Unit Cost Worksheet
5. Addenda, (if any)
6. This Agreement
7. Anti-Collusion Affidavit and Contractor's Certification, Sexual Harassment Policies, Illinois Drug Free Work Place Statement, Bid Rigging Form, Equal Opportunity Form, Prevailing Wage Statement, and Law Compliance Form
8. Performance Specifications
9. Insurance Requirements
10. All employees of contractor are able to work in The United States

In the event that any provisions in any of the above component parts of the agreement conflict with any provision in any other component parts, the provision in the component part last enumerated above shall govern over any other component part which precedes it numerically, except as may otherwise specifically stated.



BUFFALO
GROVE
PARK
DISTRICT

AGREEMENT page 3 of 3

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed in the original counterparts the day and year first above written.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed in three (3) original counterparts the day, month and year first above written.

CONTRACTOR: _____

ADDRESS: _____

SIGNATURE: _____ TITLE: _____

Attest: _____ TITLE _____

(SEAL)

OWNER: PARK DISTRICT: BUFFALO GROVE PARK DISTRICT

ADDRESS: 530 BERNARD DRIVE BUFFALO GROVE, IL 60089

SIGNATURE: _____ TITLE: _____

Attest: _____ TITLE: _____
(SEAL)

**BUFFALO GROVE PARK DISTRICT
ANTI-COLLUSION AFFIDAVIT AND CONTRACTOR'S CERTIFICATION**

_____, being first duly sworn, deposes and says:

That he is _____ of _____
(Partner, Officer, Owner, etc.) (Contractor)

The party making the foregoing proposal or bid, that such bid is genuine and not collusive, or sham; that said Bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any Bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person; to fix the bid price element of said bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

The undersigned certifies that he is not barred from bidding on this contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid-rotating.

(Name of Bidder if the Bidder is an Individual)
(Name of Partner if the Bidder is a Partnership)
(Name of Officer if the Bidder is a Corporation)

The above statements must be subscribed and sworn to before a notary public. Subscribed and sworn to

This _____ day of _____, 20____.

Notary Public

HARASSMENT POLICY

The undersigned, on behalf of the entity making this proposal or bid, certified that a written Harassment policy is in place, pursuant to Public Act 87-1257, effective July 1, 1993, 775 ILCS 5/2-105 A).

This Act has been amended to provide that every party to a public contract must have a written harassment policy that includes, at a minimum, the following information:

1. The illegality of sexual (and all other forms of) harassment which is a form of discrimination;
2. The definition of harassment, under State law;
3. A description of harassment, utilizing examples;
4. The vendor's internal complaint process including penalties;
5. The legal recourse, investigative and complaint process available through the Department of Human Rights and the Human Rights Commission;
6. Directions on how to contact the Department and Commission;
7. Protection against retaliation as provided by 6-101 of the Act.

IT IS EXPRESSLY UNDERSTOOD THAT THE FOREGOING STATEMENTS AND REPRESENTATIONS AND PROMISES ARE MADE AS A CONDITION TO THE RIGHT OF THE BIDDER TO RECEIVE PAYMENT UNDER AND AWARD MADE UNDER THE TERMS AND PROVISION OF THIS BID.

SIGNATURE: _____

NAME: _____ TITLE: _____

Subscribed and sworn to me on this ____ day of _____ 20____, A.D.

By: _____
(Notary Public)

Seal

ILLINOIS DRUG FREE WORK PLACE STATEMENT

The undersigned will publish a statement:

1. Notify employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the work place;
2. Specifying the actions that will be taken against employees for violating this provision;
3. Notifying the employees that, as a condition of their employment to do work under the contract with the Buffalo Grove Park District, the employee will:
 - a. Abide by the terms of the statement;
 - b. Notify the undersigned of any criminal drug statute conviction for a violation occurring in the work place not later than five (5) days after such a conviction;
4. Establishing a drug free awareness program to inform employees about:
 - a. The dangers of drug abuse in the work place;
 - b. The policy of maintaining a drug-free work place;
 - c. Any available drug counseling, rehabilitation or employee assistance program;
 - d. The penalties that may be imposed upon an employee for drug violations;
5. The undersigned shall provide a copy of the required statement to each employee engaged in the performance of the contract with the Buffalo Grove Park District, and shall post the statement in a prominent place in the work place;
6. The undersigned will notify the Buffalo Grove Park District within ten (10) days of receiving notice of an employee's conviction;
7. Make a good faith effort to maintain a drug free work place through the implementation of these policies;
8. The undersigned further affirms that within thirty (30) days after receiving notice of a conviction of a violation of the criminal drug statute occurring in the work place, he shall:
 - a. Take appropriate action against such employee up to and including termination; or
 - b. Require the employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposed by a federal, state, or local health, law enforcement, or other appropriate agency;

IT IS EXPRESSLY UNDERSTOOD THAT THE FOREGOING STATEMENTS AND REPRESENTATIONS AND PROMISES ARE MADE AS A CONDITION TO THE RIGHT OF THE BIDDER TO RECEIVE PAYMENT UNDER ANY AWARD MADE UNDER THE TERMS AND PROVISIONS OF THIS BID.

SIGNATURE _____

NAME: _____ TITLE: _____

Subscribed and sworn to me on this ____ day of _____ 20____, A.D.

By: _____
(Notary Public)

Seal

BID RIGGING

I, _____ (Individual), having been first duly sworn on oath, do depose and state that I presently reside at

(Address/City/State/Zip),

and that I am the duly authorized principal, officer or agent of

(Name of Contractor)

and do hereby certify to the Buffalo Grove Park District, its Board Members, officers and employees that neither I nor

(Name of Contractor)

are barred from bidding on the contract for which this bid is submitted, as a result of violation of either Section 33E-3 ("Bid-rigging") or Section 33E-4 ("Bid-rotating") of Article 33E of the Criminal Code of 1961 of the State of Illinois approved July 28, 1961, as amended.

Individually and on behalf of Contractor, Subscribed and sworn to before me this

_____ Day of _____, 20__.

(Notary Public)

My commission expires:

(Date)

EQUAL EMPLOYMENT OPPORTUNITY

GENERAL

POLICIES OF EMPLOYMENT

The Contractor and all subcontractors shall not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin.

The Contractor shall take affirmative action to ensure that all applicants are employed, and that employees are equally treated during employment, without regard to their race, religion, color, sex or national origin. Such action shall include, but not being limited to the following:

1. Employment, upgrading, demotion and transfer.
2. Recruitment or recruitment advertising.
3. Layoff or termination.
4. Rates of pay or other forms of compensation.
5. Selection for training including apprenticeship.

The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the policies of non-discrimination.

The Contractor and all subcontractors shall, in all solicitations or advertisements for employees placed by them or on their behalf; state that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex or national origin.

Comply with all terms of the Equal Employment Opportunity Clause of the Illinois Fair Employment Practices Commission.

SIGNATURE: _____ TITLE: _____

Attest: _____ TITLE: _____

LAW COMPLIANCE

GENERAL

LAW COMPLIANCE

All project construction Work shall comply with all State and Municipal Laws and Regulations, and with all Local Ordinances and Rules pertaining to this Work. Such Laws, Regulations, Ordinances and Rules shall be considered a part of these Specifications.

All successful Contractors must comply with the provisions of the Illinois Human Rights Act (Act) dealing with equal employment opportunities (Section 2-105, 775 ILCS 5/2-105) including equality of employment opportunity and the regulations of the Department of Human Rights of the State of Illinois and also must provide for the adoption and implementation of written Sexual Harassment Policies. The Contract with the successful Bidder will provide for this requirement. The Statutory provisions setting forth what such policies shall include as a minimum under the Act are on file with the District and available to the Contractor upon request.

SIGNATURE: _____ TITLE: _____

Attest: _____ TITLE: _____



BUFFALO
GROVE
PARK
DISTRICT

PARKCHESTER PARK OSLAD GRANT DEVELOPMENT

Refer to the Issued for Bidding drawings and project manual
dated 01.10.2024 for the full scope of work.

INSURANCE REQUIREMENTS FOR CONTRACTORS

Bidder's attention is directed to the insurance requirements below. It is highly recommended that bidders confer with their respective insurance carriers or brokers to determine in advance of bid submission the availability of insurance certificates and endorsements as prescribed and provided herein. If an apparent low bidder fails to comply strictly with the insurance requirements, that bidder may be disqualified from award of the contract.

Contractor shall procure and maintain for the duration of the contract, insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by the contractor, his agents, representatives, employees or subcontractors.

A. **Minimum Scope of Insurance.** Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage ("occurrence" form CG 001 1185) or Insurance Services Office form number GL 0404 covering Broad Form Comprehensive General Liability or the most recent revision.

Please note Endorsement CG 21 34 11 88, CG 21 39 11 88 or other such endorsement or policy provision which limits contractual liability shall be deleted in its entirety.
2. Insurance Services Office Business Auto coverage form number CA 0001 0187 covering Automobile Liability, code 1 "any auto" and endorsement CA 0029 1288 Changes in Business Auto and Truckers coverage forms – Insured Contract.
 - a. The Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents are to be covered as additional insured as respects: liability rising out of activities performed by or on behalf of the contractor; products and completed operations of the contractor; premises owned, occupied or used by the contractor; or automobiles owned, leased, hired or borrowed by the contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents.
 - b. The contractor's insurance coverage shall be primary insurance as respects to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents. Any insurance or self-insurance maintained by the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents shall be in excess of the contractor's insurance and shall not contribute with it.
 - c. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents.
 - d. The contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
3. Worker's Compensation insurance as required by statute, and Employer's Liability insurance.

B. **Minimum Limits of Insurance.** Contractor shall maintain limits no less than:

1. **General Liability:** \$2,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project using the endorsement CG 25 03 11 85 or the general aggregate limit shall be twice the required occurrence limit.
2. **Automobile Liability:** \$1,000,000 combined single limit per accident for bodily injury and property damage including coverage's for owned, hired or non-owned vehicles, as applicable.
3. **Workers' Compensation and Employer's Liability:** Workers' compensation limits as required by statute and Employer's Liability limits of \$1,000,000 per accident and \$1,000,000 per disease.

C. **Deductibles and Self-Insured Retentions.** Any deductibles or self-insured retentions must be declared to and approved by the Buffalo Grove Park District. At the option of the Buffalo Grove Park District and, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents; or the contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

D. **Other Insurance Provisions.** The policies are to contain, or be endorsed to contain, the following provisions:

1. **General Liabilities and Automobile Liability Coverage's.**

- a. The Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents are to be covered as additional insured as respects: liability arising out of activities performed by or on behalf of the contractor, including the insured's general supervision of the contractor; products and completed operations of the contractor; premises owned, occupied or used by the contractor; or automobiles owned, leased, hired or borrowed by the contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents..
- b. The contractor's insurance coverage shall be primary insurance as respects the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents.. Any insurance or self-insurance maintained by the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents shall be in excess of the contractor's insurance and shall not contribute with it.
- c. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents..
- d. The contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

2. Workers' Compensation and Employer's Liability Coverage. The insurer shall agree to waive all rights of subrogation against the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents for losses arising from work performed by the contractor for the Buffalo Grove Park District.
 3. All Coverages. Each insurance policy required by this clause shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the Buffalo Grove Park District.
- E. **Acceptability of Insurers.** Insurance is to be placed with insurers with a Best's rating of no less than A: VII and licensed to do business in the State of Illinois.
- F. **Verification of Coverage.** Contractor shall furnish the Buffalo Grove Park District with certificates of insurance and with original endorsements, if applicable, effective coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by the insurer to bind coverage on its behalf. All certificates and endorsements are to be received and approved by the Buffalo Grove Park District before work commences. The Buffalo Grove Park District reserves the right to require complete, certified copies of all required insurance policies, at any time.
- G. **Subcontractors.** Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all of the requirements stated herein.
- H. **Indemnification Clause.** Contractor shall protect, indemnify, hold and save harmless and defend the Buffalo Grove Park District and Upland Design Ltd, their officers, officials, employees, or agents against any and all claims, costs, causes, actions and expenses, including but not limited to attorneys' fees incurred by reason of a lawsuit or claim for compensation arising in favor of any person, including the employees, officers or independent contractors or subcontractors of the contractor or the Buffalo Grove Park District, on account of personal injuries or death, or damages to property occurring, growing out of, incident to, or resulting directly or indirectly from the performance by the contractor or subcontractor, whether such loss, damage, injury of liability is contributed to by the negligence of the Buffalo Grove Park District or by premises themselves or any equipment thereon, whether latent or patent, or from other causes whatsoever, except that the contractor shall have no liability for damages or the costs incident thereto caused by the sole negligence of the Buffalo Grove Park District.

WHO IS AN INSURED section of the policy/coverage document is amended to include as an insured, the individuals or organization shown above, but only with respect to liability "arising out of your work". For purposes of this endorsement, "arising out of our work" shall mean:

1. Liability the Additional Insured may incur resulting from the negligent actions or inactions of the Named Insured Contractor and/or a subcontractor the Named Insured Contractor hires.
2. Liability the Additional Insured may incur for negligence in the supervision of the Named Insured Contractor's work.
2. Liability the Additional Insured may incur due to joint negligence of the Named Insured Contractor and the Additional Insured.

ATTACHMENT "A"

ADDITIONAL INSURED ENDORSEMENT

Name of Insurer: _____

Name Insured: _____

Policy Number: _____

Policy Period: _____

Endorse. Effective Date: _____

This endorsement modifies coverage provided under the following:

Commercial General Liability
Coverage Part

Name of Individuals or Organization:

Buffalo Grove Park District and its Agents
Upland Design Ltd. and its Agents
Mackie Consultants and its Agents
Hey and Associates and its Agents

SECTION 00 0110
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DRAWINGS – Separate Sheets

Drawing set title: Parkchester Park OSLAD Development

END OF SECTION

SECTION 01 1300

SUBMITTALS

1.0 CONTRACTOR'S CONSTRUCTION SCHEDULES

1.1 Immediately after notification of Contract Award, the Contractor shall prepare and deliver to the Owner's Representative for approval, a Construction Schedule. This Schedule shall include a breakdown of the various divisions of the Work and shall show the date of commencement and the date of completion of each division of the Work. This Schedule shall be prepared on the basis of the Contractor's stated Final Completion Date and in consultation with Contractors for any other work involved in the completion of the Project, and with the Owner's Representative's consent or direction, shall be revised from time to time as required. This Schedule shall include the Owner's equipment installation timetable (if any) as furnished by him/her.

2.0 CONTRACTOR PAYOUTS AND LIEN WAIVERS

2.1 Contractor shall submit payment requests in **triplicate** using standard AIA Document G702 "Application and Certificate for Payment."

2.2 Waivers of lien shall be submitted in **triplicate** from all major Subcontractors or suppliers as directed by the Owner.

3.0 SURVEY DATA

3.1 Contractor shall be responsible for properly laying out the Work, and for lines and measurements for the Work executed under Contract Documents. Verify figures shown on the drawings before laying out the Work, and report errors or inaccuracies in writing to the Owner's Representative before commencing work. The Owner's Representative will in no case assume responsibility for laying out the Work.

3.2 Establish necessary reference lines and permanent benchmarks from which built object lines and elevations shall be established. Contractor shall establish two such benchmarks in widely separated locations and be responsible for proper location and level of the work and for maintenance of reference lines and benchmarks. Establish benchmarks and axis lines showing exact floor elevations and other lines and dimensional reference points as required for information and guidance of all trades.

3.3 Each Subcontractor, as it applies to his/her work, shall verify grades, lines, levels, locations, and dimensions as shown on drawings and report any errors or inconsistencies to the Owner's Representative before commencing work. Starting of work by Subcontractor shall constitute acceptance.

4.0 SHOP DRAWINGS, PRODUCT DATA, SAMPLES (SUBMITTALS)

4.1 The contractual requirements for shop drawings, product data, and samples are specified in the General and Supplemental Conditions. The Contractor shall submit shop drawings, product data, and samples.

4.2 Within thirty (30) days after award of Contract, Contractor shall prepare a schedule of specific target dates for submission and return of Owner's Representative reviewed submittals required by Contract Documents.

4.3 No Portion of work requiring such submittal will be permitted to start until submission has been reviewed by the Owner's Representative. Changes or modification to Contract Documents shall not be initiated by corrections to submittals.

4.4 Submittals which reflect major design changes to the Contract Drawings or Specifications must be accompanied by a separate letter justifying change, and will require that a change order be executed prior to acceptance.

5.0 SUBMITTAL PROCEDURES BY CONTRACTOR

5.1 Shop Drawings

A. Submit to the Owner's Representative four (4) copies of Shop Drawings for review. The Owner's Representative's check of any Contractor's Shop Drawings will cover approval of material and design only, and while figures or dimension will be checked in a general way, the responsibility for correctness of all drawings will rest with the Contractor submitting the Shop Drawings. After review, three (3) copies of the Shop Drawings with corrections or accompanying comments will be returned to the Contractor for resubmission, if required, after corrections have been made. For final resubmission, after corrections have been made, the Contractor shall send prints to the Owner's Representative for distribution. The Owner's Representative review of the Shop Drawings does not relieve the Contractor from furnishing materials and performing work as required by the Contract Documents. No extension of time will be granted for review and approval.

5.2 Product Data

A. Submit to the Owner's Representative three (3) copies of the manufacturer's specification, installation instructions and general recommendations for applicable products. Include manufacturer's certification or other data substantiating that the materials comply with the requirements and are recommended by manufacturer for the application shown and specified. Indicate by copy of transmittal form that Installer has received copy of the instructions and recommendations. Hardware schedules and collection of catalog cuts such as light fixtures, site furniture, etc., shall be presented in bound brochures, three (3) copies each.

5.3 Samples

A. Submit to the Owner's Representative two (2) samples and color data information for all finishes and finish materials.

6.0 DISTRIBUTION

6.1 Contractor is responsible for obtaining and distributing required submittal items to his/her Subcontractors and material suppliers after, as well as before, items are stamped "Approved."

7.0 SHOP DRAWINGS FILE TO OWNER

7.1 At completion of construction, Contractor shall furnish for Owner's use one (1) unused copy of all Shop Drawings, manufacturer's diagrams, literature, etc., that were used in execution of the Work.

END OF SECTION

SECTION 01 1500

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

- 3.1 Provide and maintain required sanitary facilities for work force.

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 obtain 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, shrubs, 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. Root pruning shall occur on all tree roots larger than one inch, but less than two inches in diameter. Such roots shall be cleanly cut in place. Root pruning shall be done so as not to disturb remaining fibrous roots.
- D. 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.
- 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 penalty for each incidence of trunk damage to trees shall be \$450.00. Use current value at time of bidding.
- D. The penalty for each incidence of branch or root damage shall be \$100.00 Use current value at time of bidding. per caliper inch.

- E. The penalty for compaction of soil by unauthorized vehicle travel on the grounds shall be \$.45 per square foot (Use current value at the time of bidding) 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 Silt Fence

A. Silt fence shall be polypropolyne fabric. Stakes for silt fence shall be wooden or metal and at least five feet (5') long.

2.3 Erosion Control Blanket

A. 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

B. 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.

2.4 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

1.0 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.

2.0 PRODUCTS (Not Used)

3.0 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, electric and private utilities.

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 the 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.
- C. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.
- D. Tools and Equipment: Do not use tools or equipment that produce harmful noise levels.
- E. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.

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° 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.
- I. Limiting Exposures: Supervise construction operations to assure that no part of the construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during 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.

3.9 Substantial Completion

- A. Contractor shall inform Owner/Owner's Rep when they feel Substantial completion has been reached. The Owner/Owner's Rep shall review work with the Contractor and approve or require further correction of the work.

END OF SECTION

SECTION 01 7700
PROJECT CLOSEOUT

1.0 CLEANING UP

- 1.1 Contractors shall, prior to punch list preparation, remove trash and debris and clean all walks, drives and parking areas.
- 1.2 Upon completion of work, Contractor shall remove all 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.
- 1.3 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/SPECIFICATIONS

- 2.1 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.
- 2.2 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.
- 2.3 This record set of drawings and specifications shall be kept by Contractor at the job site for inspection by the Owner and the Owner's Representative.
- 2.4 At completion of the Work, Contractor shall arrange above records in order properly indexed and certify by endorsement thereof that each of the revised drawings and specifications is complete and accurate.
- 2.5 Before final payment is made, the Contractor shall deliver the annotated as-built drawings and specifications to the Owner's Representative. The as-built drawings and specifications created by the Contractor at all times remain the property of the Owner.
- 2.6 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
- 2.7 Where indicated on the Drawings, as-built drawings shall be a topographic survey that is prepared and sealed by an Illinois licensed surveyor. See Drawings for additional requirements. Items 2.1 through 2.6 above shall also apply.

3.0 PUNCH LIST

- 3.1 Upland Design Ltd. and the Owner shall make a final inspection of work after Contractor notifies the Owner that work is substantially complete. The Contractor will be notified in writing of incomplete and/or unaccepted items in a written punch list. These items, if any, are to be corrected or completed before final acceptance is granted by Owner. 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 Contractor completion of all punch list work, Owner shall provide a written notice of final acceptance to Contractor.

4.0 MAINTENANCE AND OPERATION INSTRUCTION

- 4.1 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

- 5.1 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 in writing to be longer than one year.
- 5.2 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 suppliers and subcontractors, and forwarded to the Owner, 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. This shall be done within fifteen (15) days of the punch list date.
- 5.3 Neither the 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. Upon written notice, the Contractor shall remedy any defects, and shall pay all expenses for damage to other work resulting from that defect.
- 5.4 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

SECTION 11 6813
PLAYGROUND EQUIPMENT – (Owner purchase equipment)

1.0 GENERAL

1.1 Description

Note – The Contractor **IS NOT** responsible for the purchase of the play equipment to be installed in this bid.

- A. Playground equipment installation shall consist of all labor, equipment and materials necessary for complete installation of play equipment or site furniture specified.
- B. As part of this work, the Contractor shall coordinate with manufacturer for the delivery and secure storage of all play equipment. Contract bid includes the coordination and labor necessary to install a complete playground system. This shall also include checking freight tickets, providing a copy to the Owner's Representative and inspection of items shipped.

1.2 Specifications and Standards

- A. Play equipment installation shall conform to the most current standard:
 - 1. ASTM 1487-Specification for Playground Equipment for Public Use
 - 2. ASTM F1292-Specification for Attenuation of Surface Systems Under and Around Playground Equipment
 - 3. United States Consumer Product Safety Commission Handbook for Public Playground Safety, latest publication
 - 4. American with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities: Play Areas: Final Rule

1.3 Submittals

- A. Provide a copy of freight ticket for equipment to Owner/Owner's rep

2.0 MATERIALS

A. Play Equipment

All equipment shall be as designated on the plans. The Contractor shall not modify equipment.

3.0 EXECUTION

3.1 Installation

- A. All equipment detailed on the drawings and specified herein shall be installed per manufacturer's specifications and recommendations, unless otherwise described specifically herein, or on the plans.
- B. Contractor shall obtain instructions for proper installation from the specific manufacturer. If any manufacturer does not provide installation specifications after request by the Contractor, the Owner's representative shall be notified before installation occurs.
- C. Contractor shall uncrate, inspect, clean and assemble all playground equipment and site furniture as necessary to install complete and usable items. If there are discrepancies with the items shipped, the Contractor is responsible for coordination of obtaining the correct materials at no cost to the Owner.
- D. Concrete footings shall be installed at all play equipment. Concrete shall conform to concrete specification. Footings shall be dimensioned as per the manufacturer's specification and/or the plans and details, which ever specifies the larger dimensions.
- E. Contractor shall be responsible for trimming all bolts and other similar fastener items to meet specifications noted herein. Contractor shall ensure all tags, staples and stickers are removed from play equipment except for those

required by incorporated specifications and standards.
END OF SECTION

SECTION 12 9300
SITE FURNITURE – Contractor purchase site furniture

1.0 GENERAL

1.1 Description

Note – The Contractor **SHALL BE** responsible for the purchase of all site furniture as described on the plans.

- A. This work shall consist of all labor, equipment and materials necessary for complete installation of all specified site furniture. Site furniture that is specified in and around play areas shall also conform to SECTION 11 6813, Playground Equipment.
- B. As part of this work, the Contractor shall coordinate with Owner for delivery, and storage of site furniture. Contract bid includes the coordination and labor necessary to install site furniture completely. This shall also include checking freight ticket, providing a copy to the Owner's representative, and inspection of items shipped. Contractor to provide secure storage of equipment prior to installation. In the event of damaged or missing parts, the Contractor shall immediately notify the distributor/vendor and the Owner.

1.2 Submittals

- A. Provide copy of freight ticket to Owner/owner's representative

2.0 MATERIALS

2.1 Site Furniture

- A. All site furniture shall be as designated on the plans or approved equals as per the Specifications. The Contractor shall not modify site furniture.

3.0 EXECUTION

3.1 Installation

- A. All site furniture shall be installed as per manufacturer's specifications and recommendations and shall follow all plans and details. Wherever the details and manufacture's specifications do not agree on footing size, the larger footing shall prevail. Wherever the details and manufacturer's specifications do not agree on any other item, the Owner shall be notified and a decision rendered.
- B. Contractor shall be responsible for trimming all bolts and other similar fastener items to within one-quarter inch (1/4") of the nuts/fasteners. All fasteners shall be secured in a manner that will prevent removal: such as peening, tack welding, or tamper proof fasteners.

END OF SECTION

SECTION 12 9300
SITE FURNITURE – Owner purchase site furniture

1.0 GENERAL

1.1 Description

Note – The Contractor **IS NOT** responsible for the purchase of all site furniture as described on the plans.

- A. This work shall consist of all labor, equipment and materials necessary for complete installation of all specified site furniture. Site furniture that is specified in and around play areas shall also conform to SECTION 11 6813, Playground Equipment.
- B. As part of this work, the Contractor shall coordinate with Owner for delivery, and storage of site furniture. Contract bid includes the coordination and labor necessary to install site furniture completely. This shall also include checking freight ticket, providing a copy to the Owner's representative, and inspection of items shipped. Contractor to provide secure storage of equipment prior to installation. In the event of damaged or missing parts, the Contractor shall immediately notify the distributor/vendor and the Owner.

1.2 Submittals

- A. Provide copy of freight ticket to Owner/owner's representative.

2.0 MATERIALS

2.1 Site Furniture

- A. All site furniture shall be as designated on the plans or approved equals as per the Specifications. The Contractor shall not modify site furniture.

3.0 EXECUTION

3.1 Installation

- A. All site furniture shall be installed as per manufacturer's specifications and recommendations and shall follow all plans and details. Wherever the details and manufacture's specifications do not agree on footing size, the larger footing shall prevail. Wherever the details and manufacturer's specifications do not agree on any other item, the Owner shall be notified and a decision rendered.
- B. Contractor shall be responsible for trimming all bolts and other similar fastener items to within one-quarter inch (1/4") of the nuts/fasteners. All fasteners shall be secured in a manner that will prevent removal: such as peening, tack welding, or tamper proof fasteners.

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 the following: 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, work shall conform to all applicable Soil Erosion and Sedimentation Control Regulations as enacted in the County, City/Village, Soil and Water Conservation District, etc. having jurisdiction over the project location.

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 Natural Resources Conservation Service - 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

- 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 1217
ASPHALT PAVING – SPORT COURTS

1.0 GENERAL

1.1 Description

A. This work consists of providing all labor, material, tools and equipment necessary to install asphaltic concrete paving, prime, and tack coats for tennis, pickleball, and/or basketball court paving as shown on the drawings.

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, latest edition, hereby referred to as "State Specifications" and all supplemental specifications and provisions adopted prior to the date of the Invitation to Bid for this project.

1.3 Submittals

A. Provide product data for each product specified

B. Job-Mix Designs: For each job mix proposed.

1. Job-mix design documentation shall include the amount of RAP material, by percentage of total mix, to be utilized.

2. Job-mix design documentation shall clearly indicate source/origin of RAP material.

C. Qualification Data: For IDOT qualified asphalt manufacturer.

D. Material Certificates: For each paving material, from manufacturer

E. Material Test Reports: For each paving material and mix.

F. Court Color Finish material product data, and color selection sheets for approval by Owner/Owner Rep.

2.0 MATERIALS

2.1 Crushed Aggregate Base

A. CA-6 crushed aggregate, Class B, shall be placed, to a compacted depth as indicated on the 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 Section 301 of the State Specifications.

2.2 Prime Coat

A. The prime course shall consist of cutback asphalt MC-30 in conformance with Section 406 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 bituminous concrete binder course shall be HMA binder Course Mix, IL19.0, N50, conforming to Section 406 of the IDOT Standard Specifications. All work and materials shall be performed in accordance with applicable provisions of Section 406 of the IDOT Standard Specifications. The minimum thickness of the completed bituminous binder course shall be as noted on the plans measured at any point on the pavement surface.

2.4 Asphalt Surface Course

- A. The bituminous surface course shall be HMA surface Course Mix, IL9.5, N50 conforming to Section 406 of the IDOT Standard Specifications. Class "B" (modified) constructed on previously placed bituminous binder course. The minimum thickness of the finished bituminous surface course shall be as shown on the plans as measured at any point of the pavement surface. The work and materials shall conform to applicable provisions of Section 406 of the 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% |

- B. The finished surface shall be true, uniform in texture, free from ruts, depressions, cracks, tears and checks, in conformance with Section 406 of the State Specifications. When tested, water should not stand or pool twenty-four hours after flooding
- C. The finished surface shall be true, uniform in texture, free from ruts, depressions, cracks, tears and checks, in conformance with Section 406 of the State Specifications. When tested, water should not stand or pool twenty-four hours after flooding

2.5 Caulk for Tennis Court

- A. As manufactured by: Nova Sports U.S.A. www.novasports.com or approved equal.
- B. Install per manufacturer recommendations:
1. Clean crack so that it is free of all vegetation and debris. Remove all lost pavement from crack.
 2. Install backer rod (must be wider than crack) into crack, top of rod 3/16" below surface or fill crack with clean sand to within 3/16" of surface
 3. Using a broad knife, squeegee rubber, or similar tool, fill crack to refusal with Novacaulk #1. It is important to exert some pressure when placing the Novacaulk into the void so that the material comes in contact with the walls of the crack.
 4. Allow the Novacaulk to set. (4 hours during ideal drying conditions - longer when damp or cool).
 5. Apply a coat of Novacaulk #2 over the crack. This coat should be thicker directly over the crack and taper to a feather edge. This application should be wider than the actual crack by 3 to 6 inches on both sides. Extremely wide cracks may need a second application of Novacaulk #2 and probably the repair should extend further out to the side. Novacaulk #2 is easily spread with a squeegee when first placed on the pavement. If, after a few minutes, it becomes difficult to spread smoothly, sprinkle a few drops of water over the repair. This will make the material easier to smooth.

2.6 Color Finish materials for sport courts – Approved Color Coat Systems

- A. Laykold Systems by Laykold www.laykold.com

Plexipave Systems by California Products Corp www.californiasportsurfaces.com

Elite Sport Coating Systems www.ustenniscc.com

Duracourt Outdoor Coatings www.duracourt.net

Or other approved equal products

B. Colors for Tennis and Basketball or other applicable sports to be as indicated on plans.

3.0 EXECUTION

3.1 Methods

A. Construction methods shall follow the specifications described herein.

3.2 Protection of Vegetation

A. Protection of existing vegetation shall conform with Specification 01 2100 as contained in this Specifications document. Protected vegetation shall include all trees, shrubs, plants or other vegetation within or adjacent to the construction area.

B. At no time shall any material or equipment be stored, nor any construction activity take place within the drip line of any tree, within or adjacent to the construction area, without the written approval of the Owner/Owner's representative.

3.3 Restoration

A. The Contractor shall be responsible for the restoration of adjacent turf or planting areas disturbed or damaged through the fulfillment of this Contract.

B. Disturbed areas shall be restored by the placement of pulverized topsoil raked smooth and level with the finished pavement surface, free of any stones or debris. Seeding shall be as per landscape specification.

3.4 Prime and Tack Coat

A. All work shall be in accordance with the Standard Specifications. If asphaltic surface course is not applied the same day as binder course, the binder surface shall be tack coated prior to surface paving. Prior to placement of tack coat the surface shall be thoroughly cleaned and swept. Tack coat shall be applied at a rate of 0.08 gallons per square yard immediately prior to placement of asphaltic surface course.

3.5 Joints

A. Joints between successive day's work shall be constructed and treated as to insure thorough and continuous bond between the old and new mixtures.

B. Transverse construction joints shall be constructed by cutting the material back for its full depth so as to expose the full depth of the course. Where a header is used, the cutting may be omitted provided the joint conforms to the specified thickness. These joints shall be treated with tack coat material applied with a hose and spray nozzle attachment to fully coat the joint surface.

C. Longitudinal joints shall be made by overlapping the screed on the previously laid material for a width of not more than two inches (2"), and depositing a sufficient amount of asphaltic mixture so that the finished joint will be smooth and tight. Binder course and surface course shall be placed with longitudinal joints at right angles to one another. Longitudinal joints in the surface course shall at no time be placed immediately over similar joints in the binder course beneath. A minimum distance of twelve inches (12") shall be permitted between the location of the joints in the binder course and the location of similar joints in the surface course above.

- D. All costs for furnishing and applying tack coat to butt joints as specified above shall be considered incidental.

3.6 Testing

- A. Contractor shall coordinate with Owner for testing of asphalt courses. Owner or Owner's agent shall perform testing of asphalt courses.
- B. Both asphalt courses shall meet minimum 89% maximum density.

3.7 Bituminous Paving

- A. Bituminous paving work shall include the construction of plant mixed asphaltic concrete pavement in the areas shown on the drawings. All work shall be performed in accordance with Section 406 of the Standard Specifications.
- B. Prior to commencement of paving operations, Contractor shall examine the finished pavement bed. Contractor shall notify Owner of any areas of suspected instability.
- C. Completed binder course shall not vary from the required grade more than one-fourth inch (1/4") in ten feet (10') when measured in any direction.
- D. Surface course finish shall be smooth with no pockets that will retain water and shall not vary more than one-eighth inch (1/8") under a ten foot (10') straight edge. Entire surface shall drain and shall be without flat areas.
- E. Allow surface course to cure for fifteen (15) days prior to application of color finish system. Verify cure time with manufacturer.

3.8 Expansion Joint Saw cuts at Tennis

- A. Saw cut finished asphalt surface one-half inch (1/2") wide at locations indicated on plans. Apply Nova Caulk at cleaned saw cut.

3.9 Color Finish System

- A. Prior to application of the color finish system, flood the court surface with water, preferably by rainfall, and allow to drain for forty-five (45) minutes. Any depressions holding water deeper than one-sixteenth inch (1/16") shall be marked to identify extent of such areas. Patch and level areas with color finish system materials per manufacturer's directions, as follows:
 - 1. Asphalt or acrylic resurfacer mixed with silica sand.
 - 2. For depressions deeper than one-sixteenth inch (1/16"), use Court Patch Binder mixed as indicated with Portland Cement, Silica Sand and water
- B. Continue flooding, marking, and patching operations until uniform surface is obtained. Due to minimum pitch of surface, water will not "rush" off the surface nor will court dry off immediately. Some squeegee work may be necessary to accelerate drying time.
- C. Allow patched bituminous surface course to cure for five (5) days before application of color finish course.
- D. Net sleeves, fencing, and other court equipment shall be installed prior to color coat.

3.10 Color Finish Course

- A. Color finish course shall be applied by an experienced applicator and in accordance with the manufacturer's printed instructions. The materials shall be applied using a soft rubber squeegee (spraying not permitted). Asphaltic emulsion is not an acceptable base coat.
- B. Bituminous surface course and each coat of color finish course shall be thoroughly clean and dry to receive initial and subsequent coats of color finish course. Perform no work when rain is imminent or when the surface temperature is below or is likely to fall below 50° F. or above 140° F. during application work.

1.2 The color finish course consists of the manufacturer's recommend number of coats of Laykold Color Coat Concentrate or approved equal. Control surface texture during application to provide a slow surface speed.

A. Apply the "Laykold Color Coat System" per the manufacturer's instructions.

B. Finished surface shall be smooth, free of ridges, valleys, and tool marks.

3.11 Playing Lines

A. Accurately locate and mark two inch (2") wide playing lines with three inch (3") base lines (tennis court) according to the court layouts shown on the Project Drawings.

B. Mask edges and paint lines with white Laykold textured line paint in accordance with manufacturer's standard instructions. Use of traffic, oil, alkyd, or solvent vehicle type paint is prohibited. All paint line edges to be short and crisp. Spraying is prohibited.

C. Do not commence painting playing lines until a minimum of 48 hours after completion of color finish course.

END OF SECTION 32 1216

SECTION 32 1313 **CONCRETE PAVING**

1.0 GENERAL

1.1 Description

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

1.2 Submittals

- A. Mix Design: Submit proposed mix design for approval by Owner/Owner's Rep.
- B. One copy of the delivery ticket shall be furnished to the Owner's Representative each the time the truck arrives at the job site.

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 Concrete Materials

- A. The concrete shall be constructed of Portland Cement Concrete Type A, which shall have a minimum of six (6) bags of type one cement per cubic yard. Concrete shall meet ASTM C94.
- B. 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 three-quarter inch (3/4").
- C. 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

- A. Metal shall be fabricated conforming to the most current standard of ASTM A996, 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 A185-current year.

2.4 Additives

- A. 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.

2.5 Forms

- A. 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.

2.6 Expansion Joint Material

- A. Expansion joint material shall meet the Illinois Department of Transportation Standard for Road and Bridge Construction, latest edition, 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.

3.0 EXECUTION

3.1 Concrete Mixing

- A. 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.
- B. 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.
- C. 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.
- D. 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

- A. Sub-grade or base shall be accurately graded and compacted as specified in Section 31 2000, EARTHWORK. The sub-grade or base shall be moistened just before the concrete is placed.

3.3 Forms

- A. The forms shall be set so that concrete slabs will have a slope of not less than one-quarter inch (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

- A. 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.
- B. Bars shall not be spliced except as provided on the plans or as authorized by the Owner or Owner's Representative.

3.5 Placing Concrete

- A. 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

- A. 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.
- B. Edges on all concrete shall be rounded to a radius of one-quarter inch (1/4") with a finishing tool unless otherwise specified. All joints shall be rounded with a double edging tool having a radius of one-quarter inch (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.

- C. 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 one-quarter inch (1/4") the depth of the sidewalk, shall be not less than one-eighth inch (1/8") and no more than one-quarter inch (1/4") in width, and shall be edged with a jointing or edging tool having one-quarter inch (1/4") radius. The joints shall be five feet (5') apart on sidewalks and ten feet apart on curbs unless otherwise specified.
- D. Expansion joints shall be placed between all separate pours, all structures and at thirty-foot intervals on both sidewalks and curbs.

3.7 Sandblast Finish

- A. Specified sandblast surfaces to be finished with silica sand suitable for intended purpose at least twelve (12) days after the concrete has been poured. Sandblast depth per plans, exposing the aggregate but not so deep as to drive the aggregate out of the wall or create voids in the surface. Create uniform pattern and exposure while avoiding over-blasting. Seal all surfaces with two (2) coats approved clear sealer after concrete has fully cured and dried.
- B. Sandblast sample shall be created by the Contractor for approval by Owner's Representative before work commences.

3.8 Protection

- A. Protection of Concrete shall be performed in following manner:
 - 1. 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.
 - 2. Protection Against Rain: The Contractor shall take such precautions as are necessary to protect the concrete from damage.
 - 3. 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° F. Care shall be taken to properly wet and protect all concrete placed indirect sun or in hot weather.
 - 4. 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° F and rising unless specifically approved. All concrete poured at less than 40° F, or at a time when within 24 hours of pouring concrete the temperature shall dip below 40° F 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.

3.9 Curing

- A. 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.

- B. 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.

3.10 Footings

- A. 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 1723
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 painted pavement markings per the plan, including clean-up and restoration of the location.

1.2 References

A. Work under this section 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 Owner/Owner's Rep 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 approved by the Owner/Owner's Rep.
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.

SECTION 32 1817

SAFETY SURFACES: POURED-IN-PLACE

1.0 GENERAL

1.1 Description

Safety surfacing consists of providing all material and labor necessary for complete installation of safety surfacing in playground areas. This shall include rubber poured-in-place (PIP) surfacing and rubber tile surfacing.

All materials and installation shall conform to ASTM F1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment and ASTM F2223 Standard Guide for ASTM Standards on Playground Surfacing. All materials shall have been tested according to the ASTM F1292 specifications and shall meet or exceed all requirements for height of equipment installed or height of existing equipment that is specified to remain.

All materials shall meet ASTM F 1951 Standard Specification for Determination of Accessibility for Surface Systems Under and Around Playground Equipment. All materials shall have been tested according to the ASTM F1951 specifications and shall meet or exceed all requirements.

1.2 Submittals

A. sample of each color/color blend of the playground surface shall be submitted to the Owner's Representative for approval. These items shall be approved prior to ordering or delivery to the site.

B. Prior to installation, the following test reports shall be submitted to the owner shall meet ASTM 3351. The dates of independent laboratory test results shall be within the five years previous to the award-of-contract date.

1. Freeze Thaw: ASTM C67
2. Manufacturers current IPEMA Certification
3. Slip Resistance: ASTM D2047 and E303.
Dry – 1.0-.8,
Wet - .9-.6
4. Tensile Strength: ASTM D412; 60-80 psi
5. Elongation at Breakage: ASTM D412
6. Tear Strength: ASTM D624; 140%
7. Wear surface density (durability)
8. Taber Abrasion: ASTM C501
9. Flammability: ASTM D2859

C. Following installation: Submit certified test reports from qualified independent testing agency indicating results of the following tests for the poured in place rubber surfacing system shall meet ASTM 3313:

1. Impact Attenuation: ASTM F 1292.
 - a. G-max score.
 - b. Head injury criteria (HIC) score.

D. Submit Manufacturer's Project References:

1. Submit list of 10 successfully completed projects within the last 5 years. Project name and location, contact and phone number, and type and quantity of poured-in-place playground safety surfacing furnished must be included.

- E. Submit Installer's Project References:
 - 1. Submit a list of ten (10) successful projects completed within the last five (5) years. Submittal shall include the name and location of each project, the name and number for a contact person and the type and quantity of PIP installed.
- F. Submit manufacturer's maintenance and cleaning instructions.
- G. Submit all warranty information:
 - 1. Submit manufacturer's warranty to comply with this specification.
 - 2. Submit installers warranty to comply with this specification.
- H. **Submit installation depth plan.** Manufacturer submittal shall clearly indicate PIP (poured in place) thickness. The submittal shall also indicate where a change in thickness is located when it is in relation to play equipment and fall zones. The rubber thickness shall meet the required HIC (150) and G Max (850) as indicated in this specification and per ASTM standards – whichever is more stringent.
- I. Submit results of Post-Installation Safety Inspection as described herein.

1.3 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
 - 1. Continuously engaged in manufacturing of playground poured-in-place playground safety surfacing of similar type to that specified, with a minimum of 10 years successful experience.
 - 2. Furnished a minimum of 1,000,000 square feet of poured-in-place playground safety surfacing of similar type to that specified.
- B. Installer's Qualifications:
 - 1. List of at least 20 projects within the last five (5) years, totaling a minimum of fifty thousand (50,000) square feet of PIP similar to the type of surface specified herein.
 - 2. A letter of Certification that the installer is approved by the PIP manufacturer to install the specified PIP system.
 - 3. Documentation proving that the installers employ workers fully trained in the installation of the specified PIP system.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage:
 - 1. Store materials in accordance with manufacturer's instructions.
 - 2. Store materials in a dry area at a minimum temperature of 50 degrees F (10 degrees C) for a minimum of 72 hours before installation.
- C. Handling: Protect materials during handling and installation to prevent damage or contamination.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Poured-in-Place Surfacing:
 - 1. Material Temperature: Ensure material temperature is a minimum of 50 degrees F (10 degrees C) at time of installation.
 - 2. Air Temperature: Ensure air temperature is a minimum of 40 degrees F (4 degrees C) for a minimum of 24 hours before, during, and a minimum of 72 hours after installation. Follow manufacturer recommendations if warmer

temperatures or longer time period of temperature is required. The manufacture shall document this in writing.

1.8 WARRANTY

A. Playground Safety Surfacing System:

1. Poured-in-Place Surfacing:

- a. Materials and Workmanship: Poured-in-place playground safety surfacing shall be warranted for defects in materials and workmanship for 5 years from date of completed installation.
- b. Performance: Poured-in-place playground safety surfacing shall be warranted to meet impact attenuation performance requirements of ASTM F1292 for 5 years from date of completed installation.
- c. A written warranty shall be provided to the owner that lists the company responsible for honoring the warranty as well as contact information.
- d. The warranty shall be for 100% of both materials and labor including removals and testing. **A prorated warranty will not meet this specification.**

2.0 MATERIALS

2.1 Poured-in-Place Rubber Surfacing PRE-APPROVED MANUFACTURERS.

Surface America, P.O. Box 157, Williamsville, NY 14231, 716.632.8324, www.surfaceamerica.com as represented by NuToys Leisure Products, 800.526.6197.

GT Impax by Gametime, 150 Playcore Drive SE, Fort Payne, AL 39567 800.235.2440 as represented by Cunningham Recreation, 2135 City Gate Lane, Suite 300, Naperville, IL 60563 www.cunninghamrec.com 800.438.2780.

Pro-Tech Surfacing, LLC P.O. Box 301 Sharon Center, OH 44274, 330.576.6058; as represented by Parkreation, 27 East Palatine Road, Prospect Heights, IL 60070, 800.677.6608.

PerfectPlay Poured-in-Place Playground Surfacing as manufactured by Perfect Turf LLC, 5540 Meadowbrook Court, Rolling Meadows, IL. 60008, 888.796.8873

2.2 POURED-IN-PLACE SURFACING

A. Poured-in-Place Surfacing:

1. Description: Dual-density, resilient, seamless, poured-in-place, playground safety surfacing.
2. Compliance: Meet or exceed CPSC guidelines for impact attenuation.
3. Material: SBR and EPDM rubber shreds and granules mixed with 100 percent solids, MDI polyurethane binding agent.
4. Base Course: Mixture of SBR shredded rubber and MDI polyurethane agent that is: Weather resistant, UV stabilized, flexible, nonhardening, 100 percent solids polyurethane complying with requirements of authorities having jurisdiction for nontoxic and low VOC content.
 - a. Binder-to-Rubber Ratio: 14 percent. +/- 2% and within minimum requirements.
 - b. Compacted Density: 28 pcf. +/- 2% and within minimum requirements.

- c. Thickness: Sufficient to meet impact attenuation requirements of less than 150 gmax and less than 850 HIC
- 5. Wear Course: Mixture of EPDM or TPV rubber granules and **Aliphatic** binding agent.
 - a. Binder-to-Rubber Ratio: 18-25 percent.
 - b. Compacted Density: 50-60 pcf.
 - c. Thickness: 3/8 – 5/8 inch.
- 6. Total Thickness: As necessary to meet the impact attenuation requirements for each given Critical Fall Height as shown on drawings. In all cases the Gmax shall be less than 150 and the HIC shall be less than 850.
- 7. Colors: As indicated on the drawings
 - a. Granules on wear layer shall have full color through cross section, except where plans indicate a blending or color transition.
- B. Test Results (In field – post installation): Testing shall be conducted in accordance with ASTM 1292 AND 3313
 - 1. Impact Attenuation scores shall be:
 - a. Gmax Score: Less than 150.
 - b. Head Injury Criteria (HIC) Score: Less than 850.

2.3 Filter Fabric

Filter fabric shall be Tytar Filter Fabric by Dupont or Geo-Textile fabric by Geo-Synthetics or approved equal.

3.0 EXECUTION

3.1 Subgrade

Surfacing shall be built on a prepared sub-grade as per appropriate detail. All stones, rocks, pieces of concrete, roots or any other debris shall be removed. The prepared sub-grade shall be clear, level and compacted. Any stumps or roots shall be removed to eighteen inches (18”) below finished grade.

3.2 Filter Fabric

Filter fabric shall cover 100% of sub-grade. At filter fabric seams, a six-inch (6”) overlap with pinning shall be installed.

3.3 Poured-in Place Rubber Surfacing Installation

1. Prepare subsurface in accordance with manufacturer's instructions to ensure proper support and drainage for poured-in-place playground safety surfacing.
2. Compacted, granular aggregate subsurface shall be as indicated in the drawings and per manufacturer's recommendations.
3. Variations in Elevation: Repair variations in elevation of completed subsurface greater than plus or minus 1/4 inch over 10 feet in any direction.
4. Sub-base of granular material shall be installed as per appropriate specification and detail.
5. Ensure prepared subsurface is dry and clean.
6. Install edges in accordance with manufacturer's instructions and as indicated on the Drawings.
7. Where color pattern is indicated, install cold seams between adjacent colored material. See Drawings.
8. Spread surface course evenly over primed base course to form a level layer of uniform density and consistency, applied at manufacturer's standard spreading

rate in one continuous operation, and, except where color changes, with no cold seams. Seams or breaks in uniformly colored surfacing fields will not be accepted. Should a seam occur due to a uniformly colored surface area not being installed in a continuous operation, Contractor will be responsible for removing and reinstalling surface area at no cost to the Owner.

9. Surfacing shall be installed in two layers on two separate days allowing appropriate cure time between installation of rubber base and cap. All rubber and binder shall be mixed on-site just before use. Surface shall be screed with metal scree rods and troweled to meet desired depth. Surface shall be even and smooth with no deflection to create low or high spots. Surface edges shall be flush with edge of concrete walk and curb where surfaces meet. Surface must maintain a high level of porosity after installation. Installation shall be as per manufacturer's direction.

3.6 FIELD QUALITY CONTROL

A. In Field Post-Installation Safety Inspection:

1. Provide inspection and testing of playground safety surfacing system within 30 days of installation. Contractor shall give the Owner/Owner's Rep 48 hours prior notice.
2. Owner/Owner's Representative shall be on-site during play surface testing.
3. Test shall be three "drops" per 1,000 s.f. minimum. More test drops shall be required to include drops on varying surface depths on poured in place material where the 3 per 1,000sf does not include these site conditions.
4. Determine compliance with ASTM F1292 unless otherwise specified in this section.
5. Provide written report of findings to Owner/Owner's Representative, with photographs of drop locations.
6. If after testing, the surface does not meet specifications, Contractor shall replace failed areas at no additional cost to the Owner. Patches will not be accepted unless approved by Owner. Contractor shall identify the limits of repair/replacement and solicit Owner's prior approval before proceeding.
7. Retest affected area and seams. Additional testing shall be completed at no cost to the Owner. Contractor shall replace poured in place surface and re-test as necessary until G-max and HIC scores are achieved as indicated in this section.
8. In Field testing costs to be incidental to the surfacing price.

3.7 CLEANING

1. Clean playground safety surfacing system in accordance with manufacturer's instructions.

3.8 PROTECTION

1. Protect completed playground safety surfacing system from damage during construction.
2. Poured-in-Place Surfacing: Do not allow foot traffic on poured-in-place surfacing until a minimum of 80 percent cure is obtained (6 to 48 hours depending on temperature and humidity).
3. Protect the work and adjacent work against damage during progress of the work. Contractor will be responsible for the protection of the playground surfacing until final acceptance of work and will replace any playground

surfacing that is damaged or vandalized during construction.

3.9 PIP REPAIR KIT(S)

1. Provide owner with one repair kit for each poured-in-place color that is used on the project. Kit to include top layer material and glue.

END OF SECTION

SECTION 32 1823

ASPHALT COLOR COATING SYSTEM

1.0 GENERAL

1.1 Description

- A. This work consists of providing all labor, material, tools and equipment necessary to install an asphalt color coating system and striping.

1.2 Code and Regulations

- A. Court color location and striping layout is to be in accordance with ASBA (American Sports Builder Assn.) guidelines.

1.3 Required Submittals

- A. Color Coat material brand, Color Selection Chart, and product data sheet
- B. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- C. Manufacturer's Project References are required prior to bid opening if a product other than those listed as pre-approved are submitted as an 'or-equal': Submit manufacturer's list of successfully completed asphalt tennis court surface color coating system projects, including project name, location, and date of application.
- D. Applicator's Project References: Submit applicator's list of successfully completed asphalt tennis court surface color coating system projects, including project name, location, type and quantity of color coating system applied, and date of application.
- E. Warranty Documentation: Submit manufacturer's standard warranty. It is not to be less than one year from the date of project acceptance. All material and labor including any surface preparation or removals is to be included and non-prorated.

1.4 QUALITY ASSURANCE

A. Manufacturer's Qualifications:

- 1. Manufacturer regularly engaged, for past 5 years, in manufacture of asphalt tennis court surface color coating systems of similar type to that specified.

B. Applicator's Qualifications:

- 1. Applicator regularly engaged, for past 3 years, in application of tennis court surface color coating systems of similar type to that specified.
- 2. Employ persons trained for application of tennis court surface color coating systems.

2.0 MATERIAL

2.1 Color Finish materials for sport courts

- A. All surface coatings products shall be supplied by a single manufacturer.
- B. Laykold products by Advanced Polymer Technology Corp., or equal. Other acceptable manufacturers with similar system:
 - 1. Plexipave color coat system
 - 2. Duracoat.
 - 3. Elite Sport Coating system by U.S. Tennis Court Construction Co.

2.2 System Materials

- A. Laykold NuSerf – Surfacing material for new asphalt surfaces.
- B. Laykold Acrylic Resurfacer – Surfacing material for existing asphalt surfaces.
- C. Laykold Color Coat Concentrate – Textured colored coating system
- D. Laykold Textured Line Paint (white). Other line colors as indicated on plans (Pickleball, Tennis Court, Basketball Court, etc.)
- E. Court colors to be as indicated on plans.

3.0 EXECUTION

3.1 Examination

- A. Examine Asphalt surface to receive color coating system. The finished surface shall be true, uniform in texture, free from ruts, depressions, cracks, tears and checks. Test with flooding as described below.
- B. Remove dirt, dust, debris, oil, grease, vegetation, loose materials, and other surface contaminants which could adversely affect application of asphalt court surface color coating system. Pressure wash entire surface.
- C. Repair cracks, depressions, and surface defects in accordance with manufacturer's instructions before application of filler course and color coating.
- D. Cure new asphalt surfaces a minimum of 14 days before application of asphalt tennis court surface color coating system – or longer if recommended by coating material manufacturer.

3.1 Temperature

- A. Do not apply asphalt tennis court surface color coating system when air or surface temperatures are below 50 degrees F during application or within 24 hours after application.
- B. Do not apply asphalt tennis court surface color coating system when rain is expected during application or within 24 hours after application.

3.2 Protection of pavement surface

- A. It is the Contractor's responsibility to secure the court area from unauthorized access during the color coating and striping. This may include the addition of temporary fence. Materials and labor for this work is considered incidental and will not be paid for separately.

3.3 Protection of Vegetation

- A. Protection of existing vegetation shall conform to other sections of these Specifications. Protected vegetation shall include all trees, shrubs, plants or other vegetation within or adjacent to the construction area.
- B. At no time shall any material or equipment be stored, nor any construction activity take place within the drip line of any tree, within or adjacent to the construction area, without the written approval of the Owner/Owner's Rep.

3.4 Color Finish System

- A. Prior to application of the color finish system, flood the court surface with water, preferably by rainfall, and allow to drain for forty-five (45) minutes. Any depressions holding water deeper than one-sixteenth inch (1/16") shall be

marked to identify extent of such areas. Patch and level areas with color finish system materials per manufacturer's directions, as follows:

1. Laykold NuSerf or Acrylic Resurfacer applied per manufacturer's instructions.
 2. For depressions deeper than one-sixteenth inch (1/16"), use Laykold Acrylic Deep Patch material applied per manufacturer's instructions.
- A. Continue flooding, marking, and patching operations until uniform surface is obtained. Due to minimum pitch of surface, water will not "rush" off the surface nor will court dry off immediately. Some squeegee work may be necessary to accelerate drying time. Eliminate all ponding that is 1/16" or deeper that remain after one hour at 70 degrees in full sun by application of patch binder.
- B. When tested, water should not stand or pool twenty-four hours after flooding
- C. Allow patched bituminous surface course to cure for five (5) days before application of color finish course.
- D. Court equipment such as net sleeves, fencing, basketball posts, etc. shall be installed prior to color coat.

3.5 Color Finish Course

- A. Color finish course shall be applied by an experienced manufacturer approved applicator and in accordance with the manufacturer's printed instructions. The materials shall be applied using a rubber squeegee (spraying not permitted). Asphaltic emulsion is not an acceptable base coat.
- B. Bituminous surface course and each coat of color finish course shall be thoroughly clean and dry to receive initial and subsequent coats of color finish course. Perform no work when rain is imminent or when the surface temperature is below or is likely to fall below 50° F. or above 140° F. during application work.

3.6 Playing Lines

- A. Do not commence painting playing lines until a minimum of 48 hours after completion of color finish course.
- B. Accurately locate and mark playing lines according to the court layouts shown on the Project Drawings.
- C. Mask edges and paint lines with white Laykold (or Pre-Approved product) textured line paint in accordance with manufacturer's standard instructions. Use of traffic, oil, alkyd, or solvent vehicle type paint is prohibited. All paint line edges to be short and crisp. Spraying is prohibited.
- D. Two coats of paint are to be applied to all the lines.
- E. Remove masking tape immediately after lines are dry

3.7 Restoration

- A. The Contractor shall be responsible for the restoration of adjacent turf or planting areas disturbed or damaged through the fulfillment of this Contract.
- B. Disturbed areas shall be restored by the placement of pulverized topsoil raked smooth and level with the finished pavement surface, free of any stones or debris. Seeding shall be as per landscape specification.

END OF SECTION

SECTION 32 3113 **CHAIN LINK FENCE**

1.0 GENERAL

1.1 Description

- A. Fence and gate installation shall consist of furnishing all labor materials, tools and equipment necessary to install fences and gates: fence sections, posts, fasteners, footings, and as called for in the plans and details.

1.2 Product Handling and Storage

- A. Contractor shall order and take delivery of all products and materials. Upon receipt, all materials shall be checked to ensure that no damages occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism, and theft.

1.3 Incorporated Specifications

- A. All work shall also conform to the American with Disabilities Act standards as indicated in the plans and specifications. All work not conforming to said standards shall be removed and reinstalled at the contractor's expense.
- B. Standard of manufacture: comply with the most current version of the Chain Link Fence Manufacturer's Institute Product Manual.

2.0 MATERIALS

2.1 Scope

- A. This specification covers galvanized/aluminum coated/and poly vinyl chloride (PVC) coated chain link fence materials, including chain link fabric, framework, fittings and components. For all components listed, the specification shall be the same for galvanized, PVC, or aluminum coated chain link. PVC shall be finished in solid black color coating.

2.2 Fabric

- A. Chain Link -Use chain link fabric as noted on the plans to obtain the required height requirement indicated on drawings. Chain link fabric mesh size and gauge shall be as noted on the plans. Fabric shall be knuckled at both selvages. Furnish one piece fabric width for fencing up to 12' high. Fencing of 20' height shall be two pieces.
- B. PVC Coating over galvanized steel or aluminum wire: ASTM F668, the wire gauge specified for PVC coated wire is that of the metallic coated steel core wire.
 - 1. Class 2B extruded and fused
 - 2. Color: Selected color shall be in compliance with ASTM F934
 - 3. Wire to have 75,000 psi (517 MPa) tensile strength.

2.3 Framework

- A. All line posts, terminal posts, top rails and intermediate rails, bottom rails, accessories and fittings shall be PVC coated as per plan and bid item.

2.4 Line Posts

- A. Shall be the following:
 - 1. 2-1/2" O.D. Schedule 40, ASTM A-1083, 3.65 pound/ L.F.

2.5 Gate Posts/Terminal Posts

- A. Gate and Terminal posts shall be 3" O.D. Schedule 40 ASTM A-1083 3.65 pound/LF or approved equal.
- 2.6 Top, Intermediate, and Bottom Rails
- A. Rails shall be fabricated from lengths 21 feet or longer to use the longest lengths available, with expansion type couplings, approximately 6" long for each joint. Provide means for attachment:
1. 1-5/8" O.D. Schedule 40, ASTM A-1043, 2.27 pounds/L.F.
- 2.7 Fabric Ties
- A. Fabric ties used to secure fabric to framework shall be 9-gauge extruded aluminum. If Fabric is PVC coated the ties shall be PVC coated per ASTM F668.
- 2.8 Hog Rings, Bolts, and Nuts
- A. The above components shall be PVC coated per specification and as noted on the plans.
- 2.9 Post Brace Assembly
- A. Provide per plan, an adjustable tension rod brace at gate posts and at both sides of corner and pull posts. Tension rod shall be min. 3/8" (0.375") diameter rod with an adjustable tightener.
- B. Provide per plan, a horizontal brace rail located at mid-height of the fabric. Use the same material as top rail.
- 2.10 Caps, Bands, and Connectors
- A. All caps, bands and connectors shall be made of galvanized pressed or cast steel, or aluminum alloy. If aluminum or PVC coated the coating shall be bonded and applied as stated in 2.3. Provide a weather tight closure cap designed to receive top rail.
- 2.11 Stretcher (Tension) Bars
- A. One-piece lengths 2 inches less than the full height of fabric with a minimum cross section of 3/16" x 3/4". Provide one stretcher bar for each end post, and 2 for each corner and pull post, except where fabric is integrally woven into post.
- 2.12 Gates
- A. Fabricate perimeter frames of gates from metal and finish to match fence framework. Assemble gate frames by welding. Provide security against removal or breakage connections. Paint or coat welds to match fence fabric.
- B. Install horizontal and vertical members to ensure proper gate operation and attachment of fabric, hardware and accessories.
- C. Provide same fabric as fence. Install fabric with Stretcher (Tension) bars at vertical edges and at top and bottom edges as indicated on the plans. Attach tension bands to gate frame at not more than 12" on center.
- D. Swing gates: fabricate perimeter frames of minimum 1 7/8" O.D., SS 40 PVC coated pipe frame, braced with 1-5/8" O.D. SS 20 PVC coated pipe. trussed with 3/8" PVC coated rod with tension adjusting device, welded construction, filled with fabric to match fence.
- E. Swing gate hardware: provide hardware PVC coated ASTM F934 as follows:
1. Hinges: size and material to suit gate size, non-lift—off-type, offset to permit 180 degrees gate opening. Provide three (3) hinges for each leaf over six (6) feet nominal height.
 2. If for standard chain link fence gate installation: Accessible latch: Forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as integral part of latch. Keeper: Provide keeper which automatically engages gate leaf and holds it in open position until manually released. Double gates: Include locking device and padlock eyes as

integral part of latch, permitting both gate leaves to be locked with single padlock.

3. If for tennis/pickleball fence gate installation: Accessible latch for gate in tennis fencing: provide Locinox swing gate latch, or approved equal, with round post adaptor and ADA type handle. Submit keys for lock to Owner/Owner's representative at close out.

2.13 Concrete Footings

- A. Concrete shall conform to the standard ASTM- C-94, 3500 p.s.i. at 28 days.

3.0 PART 3.0 - EXECUTION

3.1 General

- A. Installation shall conform to ASTM F-567 and as described in these specifications. Installation shall be made in a workmanlike manner by skilled mechanics, experienced in erection of this type of fence. The fence shall be erected on lines and to grades as provided by plans and approved by the Owners Representative. Do not begin installation and erection before final grading is completed.

3.2 Posts

- A. All posts shall be set in concrete footings in the ground. The diameter of the footings shall be a minimum of twelve inches (12") for line posts and a minimum of eighteen inches (18") for gate and corner posts. All footings shall slope away from the posts to assure proper drainage. Posts shall be set in footings to depth of 42" below finished grades in undisturbed or compacted soil.
- B. Excavation for footing holes shall be drilled or hand excavated with a post hole digger. Place post centered in hole and place concrete around posts and vibrate or tamp for consolidation. Check each post for vertical and top alignment and hold in position during finishing operations. Allow concrete to cure at least 75% of its maximum 28-day compressive strength but in no case sooner than three days after placement before rails, tension wires, and fabric is installed. Do not stretch tension fabric and wires.

3.3 Top/Intermediate and Bottom Rails

- A. Top rails shall be run continuously through posts caps, bending to radius for curved runs. Provide expansion couplings as recommended by fencing manufacturer.
- B. Intermediate rails shall be installed on all fencing 10' tall or greater continuous except at gate openings. On all 8' tall or greater fencing bottom rails shall be continuous except at gate openings. Intermediate rail shall be installed at Terminal Posts.

3.4 Brace Assemblies

- A. Install brace assemblies so posts are plumb when diagonal rod is under proper tension.

3.5 Fabric Connections

- A. The fabric shall be stretched to proper tension between terminal posts and securely fastened to framework members as covered in the material specifications. The bottom of the fabric shall be held as uniformly as is practical, one-half to three-quarter inches ($1/2'' - 3/4''$) above finished grade.

- B. The chain link fabric shall be securely fastened to all terminal posts using Three sixteenths inch by three-quarter inch (3/16" – 3/4") tension bars with heavy 11-gauge 1" wide pressed steel bands spaced approximately Twelve inches (12") apart. Bands to be equipped with three-eighths inch (3/8") diameter carriage bolts and nuts. The fabric to be fastened to all line posts with heavy 6-gauge tie wires approximately twelve inches (12") apart and to the top rail with 9-gauge tie wires on approximately twenty-four-inch (24") centers.
- C. Install fabric on security side or field side of fence, and anchor to framework so that fabric remains in tension after pulling force is released.

3.6 Stretcher (Tension) Bars

- A. Thread through stretcher bars to fabric four inches (4") on center and secure to posts with metal bands spaced twelve inches (12") on center.

3.7 Spacing of Posts

- A. Maximum spacing between fence posts shall be 8'-0" set posts at a uniform interval.

3.8 Gates

- A. Shall be of widths as indicated on the drawings and be full height panels with manufacturer's standard bracing system.
- B. Center hold down socket shall be fitted with concrete collar lift rod and padlocking device.
- C. All fittings, framework and fabric to be PVC coated black.
- D. Install gates plumb, level and secure for full opening without interference.
- E. Install ground set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.

3.9 Tie Wires

- A. Use U-shaped wire, conforming to diameter of pipe to which attached, clamping pipe and fabric firmly with ends twisted at least 2 full turns. Bend ends of wire to minimize hazard to persons or clothing.
- B. Tie fabric to line posts, with wire ties spaced 12" o.c. Tie fabric to rails and bracers with wire ties spaced 24" o.c., Tie fabric to tension wires, with hog rings spaced 24" o.c.

3.10 Fasteners

- A. Install nuts for tension bands and hardware bolts on side of fence opposite fabric side. Peen ends of bolts or score threads to prevent removal of nuts.

3.11 Cleaning

- A. The contractor shall clean the job site of excess materials: topsoil from post hole excavations may be scattered uniformly away from posts, unsuitable material including rocks and clay shall be removed from the site by the Contractor.

3.12 Protection of Work

- A. It is the Contractors responsibility to protect fence work from vandalism, defacement, and weather. Any work damaged will not be accepted and shall be removed and replaced at the Contractor's expense.

3.13 Restoration

- A. The contractor shall be responsible for the restoration of adjacent turf or planting areas disturbed or damaged through the fulfillment of this contract. Disturbed areas shall be restored by the placement of pulverized topsoil raked

smooth and level with the finished pavement surface or adjacent lawn area, free of any stones or debris, seeded with a grass seed mixture approved by the Owner's Representative. Contractor shall ensure no concrete debris or remnants from concrete trucks remain on site.

END OF SECTION 32 9450

SECTION 32 9219

LAWN SEEDING

1.0 GENERAL

1.1 Description

- A. This work consists of complete construction of lawn areas including: finish grading, tilling, cleaning seed bed, seeding, blanket, fertilizing, weed control, and mowing.

1.2 Submittals (By Owner)

- A. Grower and/or supplier's product data sheet showing the percentages and most current grass seed varieties being used in the specified seed mix for Owner/Owner's Rep approval.
- B. One seed tag for each seed type used on the site shall be saved and delivered to the Owner.

2.0 MATERIALS

2.1 Seed (By Owner)

- A. Seed shall be delivered to the site in the original sacks as received from the producer, and each sack shall be tagged in accordance with the agricultural seed laws of the United States and the State of Illinois. Each sack shall be tagged showing the dealer's guarantee as to the year grown, percentage of purity, percentage of germination and the date of the test by which the percentages of purity and germination were determined. All seed sown shall have a date of test within six (6) months of the date of sowing.
- B. Any seed delivered prior to use shall be stored in such a manner that it will be protected from damage by heat, moisture, rodents, or other causes.
- C. **New turf** areas shall be seeded with a uniform seed mixture consisting of a total of 60% Perennial Ryegrass using 30% each of two different varieties, and 40% Kentucky Bluegrass using 20% each of two different varieties. Approved seed mix for new turf areas an approved equal:

Field of Dreams Athletic Mixture by ConServ FS

- D. **Lawn areas to be renovated** shall be seeded with a uniform seed mixture consisting of 50% Perennial Ryegrass using 25% each of two different varieties and 50% Bluegrass using 25% each of two different varieties. Approved seed mix for areas to be renovated or an approved equal:

Field of Dream Reseeder Mixture by ConServ FS

2.2 Blanket

- A. Blanket shall be excelsior for slopes greater than 1:4 and straw based on slopes less than 1:4. Both shall be woven so as to prevent flyaway of fibers. Blanket shall be of consistent thickness, with fibers evenly distributed throughout the entire area of the blanket. The top and bottom of each blanket shall be covered with photodegradable or biodegradable netting. Material shall not contain any weed seed or chemical additives. Blanket stakes shall be biodegradable (not metal).

2.3 Fertilizer (By Owner)

A. Fertilizer shall be Nitrogen, Phosphorous and Potassium in the following mixes:

1. New Seeding Areas: 13-25-12 with 30% of nitrogen in slow release formula
2. Over-seed Areas: 22-3-11 with 50% of nitrogen in slow release formula

3.0 EXECUTION

3.1 Seeding Operations

- A. Remove all debris, including large stones, roots and construction materials. Fill all depressions in lawn area with topsoil prior to top dressing operations. No debris may be buried in pits on the site.
- B. Topsoil shall be applied at 6" depth. Topsoil may be blended with sand up to a ratio of 3 parts topsoil to 1 part sand to facilitate application. Contractor shall till; fine grade; remove all clumps, clay, sod clods, and undesirable materials. Seed bed shall be approved by Owner's representative before seeding.
- C. Seed shall be applied at the rates listed below for a dense stand with a Brillion, slit seeder, or other mechanical seeder. For new seeded areas, the entire seed bed area shall be covered with bio-degradable blanket. All seed areas must be completely and uniformly covered. Re-seed areas shall have no blanket applied. (By Owner).

3.2 Seeding Rates (By Owner)

A. Seed shall be applied at the following rates - except if dormant seeding is completed in late fall, then rates to be doubled:

| Seed | Rate per 1000 square feet |
|--|---------------------------|
| Field of Dreams Athletic Mix | 4.5 pounds |
| Field of Dreams Reseeder Mix (over seed in Spring) | 2.5 pounds |

3.3 Fertilizing (By Owner)

- A. NEW SEEDING AREAS: 1.5 pounds of nitrogen fertilizer shall be applied per 1,000 square feet of turf shall be applied at time of initial seeding. See 2.3 for fertilizer mix. It shall be applied evenly over the planting area.
- B. RESEEDED AREAS: 0.75 pounds of nitrogen per 1,000 square feet shall be applied at time of overseeding, unless another amount is specified on plan. See 2.3 for fertilizer mix.

3.4 Repairs

- A. The Contractor shall be responsible for the repair of any damage to existing lawns, which may result from his work, and such repairs shall be made swiftly in a thorough and workmanlike manner, with minimum inconvenience to the Owner and users of the site. Where lawn areas have been disturbed or damaged, the damaged lawn areas, ruts and depressions shall be cultivated, filled with topsoil, settled to proper grades and seeded. Repairs shall be made to the satisfaction of the Owner or Owner's representative.

3.5 Maintenance (By Owner)

- A. It is the responsibility of the Contractor to maintain all seeded lawn areas; this may include cultivation, reseeding, fertilizing, watering, mowing, and the control of weeds until final acceptance has been granted. The Contractor shall mow

the grass to a three -inch (3") height if it reaches a four-inch (4") height any time prior to final acceptance. The Owner's representative shall inspect the conditions of the stand to determine satisfaction or the need to improve the stand. Satisfaction is based on 95% coverage over the entire new seeding area and over-seed areas. Maintenance shall continue by the Contractor until acceptance has been granted.

3.6 Watering (By Owner)

- A. Watering must be started immediately after the seed is installed. Watering should begin as soon as an area large enough to put down a sprinkler is ready.
- B. Thoroughly soak the seed and the soil under the seed. It should be moist at least 2 inches deep. Corners shall be noted and may need to be hand watered to ensure full coverage.
- C. After the first watering, water enough to keep the soil under the seed moist, but not muddy. In cool weather this may mean watering only every 3 or 4 days. In very hot weather, you may have to water daily. **Do not allow the seed or soil underneath to dry out between watering.**
- D. In about two weeks the seed should have begun to knit to the soil underneath and the watering can be lessened to once or twice per week depending on the weather conditions.
- E. If an irrigation system is in place, it is the responsibility of the Contractor to ensure that the system is working and is covering all new seed areas. This responsibility continues until the site is turned over to the owner.
- F. Watering shall continue and be maintained by the contractor for at least 30 days beyond substantial completion. It is the contractor's responsibility to meet lawn establishment requirements – additional watering by contractor may be needed.

END OF SECTION

SECTION 32 9220
NATIVE PERMANENT SEEDING

1.1 GENERAL

1.1 Description

- A. This work consists of complete construction of native seed areas including: cleaning seed bed, seeding, fertilizing, erosion control blanket, straw blanket, weed control, and maintenance.

1.2 Schedule:

1. Permanent seed installation shall be performed immediately in areas where all work is complete. Seeding shall take place before June 10th or after October 15th.
2. Cover crop seed may be installed after these dates but must be mowed and bailed and reseeded with permanent matrix during approved time frame. Approval from the owner must be received before planting is started.
3. First Mowing: at 12" height of plants in planted area.

1.3 Submittals

- A. Seed mix proof of origin (By Owner).
- B. Seed bed preparation material method in writing to the Owner's Representative a minimum one week prior to commencement for approval.

2.1 MATERIALS

2.1 Seed (By Owner)

- A. All seed shall be healthy, and true to species and variety. All materials shall be provided by a certified nursery and shall be free of pests and disease.
- B. Seed shall be delivered to the site in the original sacks as received from the producer, and each sack shall be tagged in accordance with the agricultural seed laws of the United States and the State of Illinois. Each sack shall be tagged showing the dealer's guarantee as to the year grown, percentage of purity, percentage of germination and the date of the test by which the percentages of purity and germination were determined.
- C. Any seed delivered prior to use shall be stored in such a manner that it will be protected from damage by heat, moisture, rodents, or other causes.
- D. The seed mixes shall be supplied in pounds of Pure Live Seed (PLS) for grass species. Native grass and forb seed species will be local genotype and will be from a radius of 150 miles from the site.
- E. Proof of origin shall be presented to the Owner's Representative at the site prior to any plant installation. Seed will be specified as 'weed free' according to the association of Official Seed Analysis: Rules for Testing Seeds, Journal of Seed Technology, 1991.
- F. The Seed Mixes shall consist of the species shown on the plans. The seeding mixtures shall be installed in locations designated on the plan and as directed by the owner's representative.

2.2 Equipment (By Owner)

- A. All equipment shall meet the requirements of the following Articles of Section 1100 – Equipment of Illinois Roads and Bridges Specifications, most recent edition.
 1. Section 1101.08(c) - Hydraulic Seeder
 2. Section 1101.08(e) - Broadcast Seeder
 3. Section 1101.08(g) - Rangeland Type Drill Seeder

2.3 Straw blanket.

- A. Seed areas shall require straw blanket (except on side slopes which will have erosion control blanket). Straw blanket shall be net free within 12 months and shall be 99% weed-free (No plastic netting in blanket).

2.4 Fertilizer (By Owner)

- A. No fertilizer required.

3.1 EXECUTION

3.1 Bed Preparation

- A. Preparation shall include application of herbicide applied by a licensed herbicide applicator to effectively control weed species without damaging desirable vegetation. The seed bed shall be free of weeds, and seeding shall occur no less than 14 days after herbicide application.
- B. For bare earth seeding, CONTRACTOR shall remove clumps, stones, roots, and sticks prior to seedbed preparation activities. CONTRACTOR shall prepare the seedbed with a disk or unique rake (harrow) to reduce clod size to a maximum diameter of 1-inches and eliminate rivulets, gullies, crusting, and caking. The disk shall be in good condition with sound, unbroken blades and weighted as necessary to achieve a minimum 3-inch tillage depth.
 - 1. Following disking of all bare earth seeding areas, CONTRACTOR shall prepare the seedbed further with a unique rake or harrow to reduce clod size and create a smooth and level seedbed.
 - 2. Working wet soils shall not be conducted. Following these seedbed preparation activities, the ground surface shall have minimum compaction, be smooth and level, and be free of debris to promote good seed-soil contact.

3.2 Seeding Conditions (By Owner)

- A. Contractor shall examine the grade, verify the elevations and water levels, observe the conditions under which work is to be performed, and notify the Owner's representative of unsatisfactory conditions. Proceeding with the work constitutes acceptance of existing conditions, including current water levels and soil condition.
- B. Seeds shall not be sown until the seedbed has been approved by the Owner's representative.
- C. The Owner's representative shall be on site during seeding. The Contractor must notify the Owner's representative 48 hours in advance of seed installation.

3.3 Seeding Methods (By Owner)

- A. No seed shall be sown during high winds, rain events, or when the ground is not in a proper condition for seeding, nor shall seed be sown until the purity test has been completed for the seeds to be used, and shows that the seed meets the noxious weed seed requirements.
- B. For the native seeding areas, it is anticipated that seed will be broadcast on the surface using an ATV or by hand due to the limited size and accessibility. Following seeding, the surface will be raked by hand to incorporate the seed into the soil.

3.4 Species substitutions (By Owner)

A. Prior to installation, the Owner's representative shall review any species substitutions and reserves the authority to deny use of any species if deemed inappropriate for the site. Any species substitutions and/or change in quantity shall be discussed and approved by Owner's representative during the pre-planting site meetings as specified below. CONTRACTOR shall plan on attending one (1) on-site pre-planting meetings in early spring (anticipated to be in April and/or early May) to evaluate hydrologic conditions and discuss overall plant installation approach. At the pre-planting meeting, CONTRACTOR shall provide a plant installation work plan that documents the anticipated plant installation logistics, plant installation schedule (plant delivery schedule) and any proposed changes to plant species and/or quantities as a result of observed site conditions.

3.5 Notification and documentation (By Owner)

A. The contractor shall notify Owner's representative at least two working days prior to seed installation and indicate the seed installation method to be used. After completion of seeding, CONTRACTOR shall provide the Owner's representative with copies of all seed receipts and labels, notated with the date of seed installation, seed origin, % PLS, and conditions under which the seeding was performed.

3.6 Repairs

A. The Contractor shall be responsible for the repair of any damage to existing lawns and natural areas, which may result from his/her work, and such repairs shall be made swiftly in a thorough and workmanlike manner, with minimum inconvenience to the Owner and users of the site. Where areas have been disturbed or damaged, the damaged areas, ruts and depressions shall be cultivated, filled with topsoil, settled to proper grades and seeded. Repairs shall be made to the satisfaction of the Owner or Owner's representative.

3.7 Maintenance (By Owner)

A. It is the responsibility of the Contractor to maintain all seeded areas; this may include cultivation, reseeding, watering, mowing, and the control of weeds until final acceptance has been granted. The Contractor shall mow the seeded areas when plants reach a twelve -inch (12") height. The areas shall be mowed to a 6" height. The Owner's representative shall inspect the conditions of the stand to determine satisfaction or the need to improve the stand. Maintenance shall continue by the Contractor until acceptance has been granted.

3.8 Performance standard (By Owner)

A. All seeded areas shall be established per the Natural Area Maintenance Specification 32 9400.

END OF SECTION

SECTION 32 9300

LANDSCAPING

1.0 GENERAL

1.1 Description

- A. This work consists of supplying and installing plant materials; preparing and placing all topsoil, planting mix, fertilizer, mulch, and related items and furnishing and installing ground cover, perennials, annuals, shrubs, and trees. The Contractor shall be responsible for furnishing all materials, equipment, and labor necessary to complete the work and for maintenance in accordance with the plans and specifications.

1.2 Acceptance

- A. Acceptance of plant material shall be given by the Owner's Representative before plant material is installed and again after installation. Rejected plants shall be immediately removed from the site at the Contractor's expense.
- B. Final inspection of all plantings will be made at the conclusion of the work. The work will be accepted by the Owner upon the satisfactory completion of all work but exclusive of the replacement of plant materials. At the time of final acceptance of the project, all constructed areas must be free of weeds.

1.3 Guarantee Period

- A. The guarantee period for all planting shall begin at the date of written acceptance by the Owner or Owner's representative and shall continue for a period of twelve months.
- B. The Contractor shall replace as weather conditions permit, all plants 1/3 dead or more, and all plants not in a vigorous, thriving condition noted at the end of the guarantee period.
- C. Plants used for replacement shall be of the same size and variety specified in the plant list. Replacement plants shall be furnished, planted and mulched as specified herein and guaranteed for one year following the acceptance of the replacement work at no additional cost to the Owner.

1.4 Utility Responsibility

- A. The Contractor is responsible for damage to underground utilities. All locations shall be checked for the presence of utilities. Call JULIE (Joint Utilities Locating Information for Excavators) toll free at 1-800-892-0123.

2.0 MATERIAL

2.1 Planting Mix

- A. Planting mix shall be 80% topsoil, 10% mushroom compost, and 10% sand. The three shall be mixed thoroughly. Planting mix shall be free of weed seeds.

2.2 Topsoil

- A. Topsoil shall meet technical specification Section 31 2000, Earthwork.

2.3 Mulch

- A. Mulch shall be rough cut and shredded hardwoods cured for a minimum of one year. No color additive. No weeds.

2.4 Plant Material (By Owner)

- A. Plant materials shall be freshly dug vigorous plants of specimen quality, symmetrical, thickly branched, tightly knit plants, true to species and variety and conforming to the measurements specified in the plant list and complying with ANSI Z60.1-2014. All plants shall be free of disease, insect pests, eggs, larva, and shall have healthy, well-balanced root systems. Specified plants of the same species and variety shall be matched specimens from a single block source and shall not be pruned before delivery. Standards for measurement, branching and grading of plant material shall be in conformance with current codes and standards recommended by the American Association of Nurserymen, Inc., as stated in the American Standard for Nursery Stock
- B. Balled and burlapped (BB) plants shall be dug with firm natural balls of earth, with sufficient diameter and depth to include all fibrous and feeding roots. No plants moved with a ball will be accepted if the ball is cracked or broken before or during planting operations.
- C. All plants shall have been grown under climatic conditions similar to those in the locality of the project for at least two years. Plants shall have been transplanted or root pruned at least once in the past three years. No heeled-in plants or plants from cold storage will be accepted.
- D. Substitutions will not be permitted. If proof is submitted that specified plants or sizes are unobtainable, a proposal will be considered for the nearest equivalent size or variety.
- E. All plants shall conform to the measurements specified in the plant list; exceptions are as follows:
 - 1. When size substitutions are necessary, the contractor shall request approval from the Owner's Representative in writing. It is up to the Owner's Representative to approve in writing requested substitutions.

3.0 EXECUTION (By Owner)

3.1 Planting Operations

- A. Weather Conditions: Planting shall be done under favorable weather conditions or as authorized by the Owner's Representative.

3.2 Transportation and Delivery

- A. All plants that cannot be planted immediately on delivery shall be set on the ground or in a trench and the balls well covered with soil, manure or other acceptable material to prevent freezing, drying or over watering conditions. The Contractor shall notify the Owner's Representative at least 48 hours in advance of the anticipated delivery of any plant material for on-site approval.
- B. Plants transported to the site in open vehicles shall be covered with tarpaulins or other suitable covers securely fastened to the body of the vehicles and covered shipments shall be adequately ventilated to prevent overheating of the plants.
- C. All plants shall be kept moist, fresh and protected for the entire period during which the plants are being handled in transit or in temporary storage. No plant shall be so bound with rope or wired at any time as to damage the bark, break branches, or destroy the plant's natural shape.

3.3 Installation

- A. Prior to excavation, the Contractor will stake all trees and mark shrub locations and perennial bed locations for approval of the Owner's Representative.

Whenever the Contractor is in doubt as to the proper location or spacing of plants, he shall request clarification. The Contractor is responsible for stripping sod from proposed planting areas and leveling soil according to drawings and specifications. This is considered incidental to the contract and will not be paid for separately. All planting pits shall be excavated to the full depth of the plant ball or container. The ball top shall be properly set to finished grade. All excavated material not used in the soil mixture or soil backfill shall be removed and legally disposed of off site.

- B. Excavation: The diameter of each planting pit shall be a minimum of twenty-four inches (24") greater than the diameter of the plant ball for trees and large shrubs and twelve inch (12") greater than diameter of small shrubs.
- C. Set plants in center of pits plumb and straight and at such a level that after settlement, the base of the plants will be at the finished grade. Set plants upright and faced to give the best appearance or relationship to each other or adjacent structures.
- D. When balled and burlapped trees are set, compact planting mixture around base of ball to fill all voids. All burlap, ropes and wires shall be removed from the sides and top of balls. No wire or wire baskets shall remain in the ground after planting.
- E. Immediately after the plant pit is back filled, a shallow basin slightly larger than pit shall be formed with a ridge of soil to facilitate watering. Strip sod from around the planting pit to form a six foot (6') diameter circle of bare ground around trees or to form a planting bed for shrubs as shown in the drawings.
- F. All non-turf soil surface in planting areas shall be mulched. Mulch shall be no less than three inches (3") deep, and no greater than four inches (4") deep. Mulch shall not come in contact with trunk of trees.

3.4 Pruning (By Owner)

- A. Each tree and shrub shall be pruned in accordance with standard horticultural practice to preserve the natural character of the plant and in the manner fitting its use in the landscape design.
 - 1. All dead wood or suckers and all broken or badly bruised branches shall be removed.
 - 2. Pruning shall be done with clean, sharp tools.
 - 3. Flowering trees shall be pruned only to remove dead and broken branches or branches that rub.

3.5 Watering and Maintenance (By Owner)

- A. At the time of planting, water is to be applied lightly until six inches (6") to eight inches (8") depth of wetness is met. Every effort shall be made to water from early morning to approximately one (1) hour before mid-day. Where watering systems exists, the Contractor shall utilize the systems in the manner they were intended.
- B. Contractor shall water plant material from the point when it is installed to thirty days after substantial completion is met for the entire project. Watering shall take place so that no less than 1" of water is applied to each plant within any seven day period.
- C. Prior to final acceptance of the project, the Contractor shall inspect the plantings throughout the growing season and take necessary steps to control insect and blight attack. The Contractor shall also inspect the plantings after severe storm

and exercise all corrective measures required to maintain finished quality appearance and good plant vigor.

- D. No pesticides or herbicides shall be applied to any plant material without the approval of the Owner's Representative. Care shall be taken in watering plant material so as not to over water or in any way damage the plants. The Contractor is encouraged to monitor the soil moisture condition frequently and water when necessary to improve the percentage of plant survival. The Owner will not take over watering of plant material until thirty days after substantial completion of the project is met.

3.6 Tree Watering Bags (By Owner)

- A. Slow-Release Irrigation Tree Bag: UV-light-stabilized nylon-reinforced polyethylene sheet manufactured for drip irrigation of plants and emptying its water contents over an extended time period. Provide one bag for each new tree installed, incidental to contract. Contractor shall fill bags with water per manufacturer's recommendations based on tree caliper size and weather demands at the time of installation through 30 days beyond substantial completion.
- B. Tree bags as manufactured by DeWitt Dew Right, Treegator, or approved equal.

END OF SECTION

SECTION 32 9400

NATURAL AREA MAINTENANCE

1.0 GENERAL

1.1 Summary

- A. This section includes the maintenance of the project's natural area plantings as well as the installed stone at dry river beds.
- B. Duration: The work is multi-year and the pay item unit duration is one year. The start date will begin one season after the final project acceptance date.
- C. Plant material specified on the plant list is the preferred plants for this area. Maintenance actions are intended to promote, preserve and replace these plants.

1.2 Submittals

- A. Contractor to include a list of all products to be used along with an action plan for the application of each product, both of which shall be submitted to the Owner's Representative for approval. These items are to be reviewed and approved prior to ordering or delivery to the site of all related products.

1.3 Quality Assurance

- 1.3.1 BONDS: Performance and Payment bonds shall not be required for Year Two and Year Three of the items in this section.

- 1.3.2 Project Manager: An individual shall be assigned as project manager and primary contact for the natural area maintenance. This individual shall be available during weekday daytime work hours and is to return calls/email within one working day.

- 1.3.3 Contractor must demonstrate that the assigned employees can identify the Planting Plan Plants that are to be saved as well as the weed species that are to be eliminated.

- 1.3.4 Individuals performing herbicide application for weed control on the site must have an up-to-date Commercial Pesticide license from the State of Illinois.

- 1.3.4.1 Submittal: Provide license number and expiration date for on-site crew leaders.

- 1.3.5 Action Log: The Owner shall be notified in writing of what work is performed within 48 hours of completion. When herbicide is applied, this shall include date, herbicide amount, concentration and product name.

2.0 PRODUCTS

- 2.1. Herbicides: Spot herbicide treatment per the manufacturer's specifications. All herbicides used must be a non-selective non-residual chemical. When water is present chemical in a form approved for use over water and in wetlands is to be selected.

3.0 EXECUTION

3.1. Inspection and Maintenance Schedule:

- A. During weed growing season of April 25 through October 1, Contractor to provide on-site inspection of planted area a minimum of once every two weeks. Notice of site visit is to be provided to Owner via email in advance of arrival. Inspections can be combined with weed control operations provided that trained personnel are

on site and notice is provided to Owner.

- B. Submittal: Contractor is to provide a written action plan each year prior to April 15. This plan is to anticipate weeds that will be encountered and to list proposed maintenance actions. Maintenance activity prior to weeds setting seed and in some cases (as species require) prior to flowering or bolting is to be included in the plan and in follow-up actions.

3.2. Maintenance

- A. Maintain and establish native vegetation by watering, weeding, rotary mowing, trimming, reseeding, and other operations.
- B. To reduce weed height and provide direct sunlight for establishing the planting plan species, cutting and/or rotary mowing is to be performed. Mowing heights and dates should be adjusted to maximize weed control and minimize damage to native species. The mower blade height should be set at a minimum, six (6) to eight (8) inches above grade. For areas not accessible with mowing equipment, the area may be cut to the minimum specified height with a string trimmer or equivalent.
- C. When pulling weeds, exposing large areas of bare soil is to be avoided.

3.3. Impacts to Non-Target species:

- A. In the event that the desirable plantings, shrubs or trees are damaged by the Contractor due to herbicide or mechanical methods, the Contractor is to provide replacement in kind including labor. Replacement includes watering and establishment of the replacement material.

3.4. Performance Criteria

- A. Invasive species include, but not limited to: *Typha angustifolia*, *Typha X glauca*, *Phragmites australis*, *Lythrum salicaria*, *Salix interior*, *Phalaris arundinacea*, *Cirsium arvense*, *Melilotus* sp., *Poa pratensis*, *Dipsacus* sp. As well as those on the State of Illinois Noxious weed list and those listed by www.invasive.org for Illinois.
- B. First year: 90% coverage of the cover crop shall be established within the first three months. There shall be no bare areas greater than 0.5 meters. By the end of the first complete growing season, at least 25% of the native planting areas, as measured by aerial coverage, shall consist of native/non-invasive species or those of what was planted in the above list.
- C. Second year: At least 50% of the native planting areas shall consist of native/non-invasive species or those of what was planted in the above list.
- D. Third year: By the end of the third growing season, no area throughout the native planting areas greater than 0.5 square meters shall be devoid of vegetation, as measured by aerial coverage, unless specified on approved plans. This standard does not apply to emergent and aquatic communities, which must achieve 50 percent cover. At least 75% of the buffer areas shall consist of native/non-invasive species or those of what was planted in the above list. None of the three most dominant species may be non-native or invasive or constitute greater than 25% aerial coverage. (individually or cumulatively) by the end of the third growing season, including but not limited to the following

species: *Cirsium arvense* (Canada Thistle), *Dipsacus laciniatus* (Cut-leaved Teasel), *Dipsacus sylvestris* (Common Teasel), *Lythrum salicaria* (Purple Loosestrife), *Melilotus alba* (White Sweet Clover), *Phalaris arundinacea* (Reed Canary Grass), *Phragmites australis* (Giant Reed), *Polygonum cuspidatum* (*Fallopia japonica*, Japanese Knotweed), *Rhamnus cathartica* or *frangula* Buckthorn.

E. Chart of maintenance actions:

| | |
|------------------------------|---|
| All 3 Years | <ol style="list-style-type: none"> 1. Provide site visits, Action Plan and required reports/notification 2. Cover crop is not to be considered a weed species. 3. Perform weed control via herbicide, rotary mowing and/or hand weeding 4. Water plants as necessary for establishment 5. Replace dead plants from the planting list with new plant of same size and species 6. Replace/Reset stone that becomes dislodged in order to maintain integrity of shoreline protection 7. Maintain wildlife control netting in an upright condition 8. Remove any debris, sediment, or other foreign material 9. Repair gullies, rills or other soil erosion. |
| Year One: additional items | <ol style="list-style-type: none"> 1. Maintain wildlife control netting in an upright condition |
| Year Two: additional items | <ol style="list-style-type: none"> 1. Remove wildlife control netting During the month of July |
| Year three: additional items | <ol style="list-style-type: none"> 1. By May 1st add mulch and ensure 3" depth in all areas |

B. Year One through Three

Satisfactory performance by the end of the growing season shall consist of the criteria shown in the chart below:

| | Vegetative Cover / Soil Stabilization | % Native Cover | None of the Four most dominant species are non-native or invasive |
|--------|---|----------------|---|
| Year 1 | Maintain erosion blanket in unvegetated areas | 40% | Required |
| Year 2 | No unvegetated areas >1m ² | 50% | Required |
| Year 3 | No unvegetated areas | 80% | Required |

| | | | |
|--|------------------|--|--|
| | >1m ² | | |
|--|------------------|--|--|

- 3.2. Owner Ability to Perform Work: Given the need for responsiveness to prevent weed species from bolting or setting seed, the Owner upon 7 day notice may have others perform the work needed to maintain the contract area. The cost charged by others may then be deducted in full, from the amount remaining on the contract.

END OF SECTION

SECTION 32 9450
NATURAL STONE

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Work under this Section includes furnishing the labor, equipment, and materials necessary for the furnishing and placing of Contractor-supplied natural stone boulders and outcroppings.

1.2 SUBMITTALS

- A. Product Data: Provide product data for each type of product to be used.
- B. Boulder/Outcroppings Sample or Photographs: Furnish sample of specified stone product unless the size specified makes submittal impractical. In the case of large stones provide digital photos of each type of landscape boulder/outcropping stone being required. Any landscape boulder/outcropping that does not conform to the approved samples will not be accepted and shall be removed and replaced as indicated by the owner's representative.
- C. Boulder/Outcropping Sources: The Contractor shall submit information on the source(s) for all landscape boulder/outcropping stone being proposed for use on the project. Any landscape boulder/outcropping that does not conform to the approved stone products will not be accepted and shall be removed and replaced by the contractor at no additional cost to the owner as directed by the owner's representative.

1.3 QUALITY ASSURANCE

- A. Work shall be performed by those experienced in landscape boulder/outcropping installation. A minimum of 5 years of experience working on similar size and type of installation is required.
- B. Mock-Up: Provide a mock-up to verify selections made under sample submittals to demonstrate aesthetic effects and qualities of materials and execution.
- C. Build multi-tier outcropping in sized approximately 48 inches long by full height by full thickness, including backup.
- D. Indicate outline of boulder/outcropping placement with chalk or temporary paint for large, tiered areas where staking would not be effective.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. Contractor shall furnish boulders/outcroppings similar in appearance, color, type, hardness and approximate size as shown on Drawings or specified in the Contract Documents. No evidence of drilling, scrapes, large flakes, or cracks shall be visible after the boulder is set in place.
- B. Boulders/outcropping stone shall be supplied by the following or approved equal:
Lurvey's Landscape Supply: Des Plaines, Illinois Ph: 1.847.299.8333
Halquist Stone Company: Sussex, Wisconsin Ph: 1.800.255.8811
Buechel Stone Corporation: Fond du Lac, Wisconsin Ph: 1.800.236.4474
Eden-Valders Stone: Eden, Wisconsin Ph: 1.920.477.2521
- C. Sizes to be as indicated on the drawings. Stone shall be of such shape as to form a stable formation in the required locations. Flat or needle shapes will not be accepted unless the thickness of the individual pieces is greater 1/3 the length. Edges shall be rounded. No sharp edges will be allowed at outcropping.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Owner's representative of unsatisfactory preparation before proceeding.

3.2 STOCKPILING

- A. Stone shall be stockpiled according to size and stored in such a manner as to prevent scaring, breaking, chipping or other damage.

3.3 PREPARATION

- A. The Contractor shall coordinate with the Owner's representative prior to setting boulders/outcroppings to ensure desired face and orientation is achieved. Boulders/outcroppings shall be placed on site as directed by the Owner's representative.
- B. Contractor shall stake or mark all locations and sizes of boulders/outcroppings prior to final installation.
- C. The Contractor shall form a pocket for boulder/outcropping installation, ensuring that the boulder/outcropping is even and true to line, buried one-third to one-half (1/3 to 1/2) of the boulder/outcropping depth, and in accordance with the Standard Detail, or as shown on the Drawings.

3.4 INSTALLATION

- A. Excavate soil as required and place the boulders/outcroppings as shown on the plans and details. Care shall be taken as to not scar or damage boulders/outcroppings during excavation, movement, storage or placement. Damaged boulders/outcroppings shall be replaced with suitable boulders/outcroppings at contractor's expense.
- B. Boulders/outcroppings are to be placed with weathered side up and conform to existing stable ground and shall not rock or shift once placed.
- C. Boulders/outcroppings shall be placed as to provide minimum of exposed rough or fractured edges.
- D. Protect surfaces of boulders/outcroppings set into or adjacent to concrete paving to remain free of concrete splashing or staining.
- E. Place boulders/outcroppings using slings or other suitable equipment to prevent marring of the rocks by equipment.
- F. Boulders/outcroppings shall be set to remain stable and in place after placement.
- G. Boulders adjacent to paving:
 - 1. Set boulders such that top of boulder is flush with top of adjacent paving, where practical.
 - 2. No voids larger than 1/8" shall exist between the concrete or asphalt and boulder on any side, except where boulder is partially in paving and partially in soil.
- A. Stacked outcropping stones:
 - 1. Where outcropping stones are stacked on top of each other stones shall be mortared or epoxied together, as called for on the construction detail, to prevent movement.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 33 4616

UNDERDRAINAGE

1.0 GENERAL

1.1 Summary

- A. This Section covers provision and installation of Under Drains for the Playground, and courts

2.0 PRODUCTS

- A. General: Furnish drainage pipe complete with bends, reducers, adapters, couplings, collars, and joint materials.
- B. Polyvinyl Chloride Pipe: ASTM D 2729.
- C. Perforated Polyvinyl Chloride Pipe ASTM D 2729
- D. Provide clean out as on plans.
- E. Filter Fabric
 - 1. Manufacturer's standard nonwoven geotextile fabric of polypropylene or polyester fibers, or a combination of them. Use "3401 Geofabric" by Typar or approved equal.

2.1 Materials

- A. Backfill materials and their installation shall be as described in Section 31 2000 - Earthwork

3.0 EXECUTION

3.1 Inspection

- A. General: Examine subgrade surfaces to receive under drainage system to verify suitability. Do not begin installation until subsurface conditions are satisfactory to accept drainage system.

3.2 Installation

- A. Under Drainage System: Excavate for under drainage system after subgrade material has been compacted but before drainage fill course has been placed. Provide a clear horizontal distance between perforated drain pipe and trench wall on both sides not less than 4", unless otherwise shown. Grade bottom of trench excavations to required slope and compact to a firm, solid bed for drain system.
- B. Apply a minimum 4" layer of compacted bedding material below the perforated drain pipe, raising low areas and creating a firm base at the correct levels. Where unsatisfactory bearing soil occurs, excavate to a minimum depth of eight inches below the pipe invert and place compacted granular fill to reach invert levels.
- C. Overlay bedding with one layer of synthetic drainage fabric. Overlap fabric edges at least 4 inches.
- D. Laying Drain Pipe: Lay drain pipe on compacted bedding. Provide full bearing for each pipe section throughout its length to true grades and alignment, and continuous slope in direction of flow.
 - 1. Lay fabric wrapped perforated pipe with perforations down and joints tightly closed in accordance with pipe manufacturer's recommendations. Provide collars and couplings as required.
- E. Join and install PVC pipe as follows:
 - 1. Installation in accordance with ASTM D 2321.

- F. Testing Drain Lines: Test or check lines before backfilling to assure free flow. Remove obstructions, replace damaged components, and retest system until satisfactory. Owner must approve operation of system prior to covering it up.
- G. Washed Gravel: Place layer of washed gravel over drainage pipe and drainage fabric to depth indicated or, if not indicated, to a depth of not less than 4 inches around sides and 12 inches on top of drainage pipe.
- H. Fill to Grade: Apply fabric and backfill as required on plans.

END OF SECTION



BUFFALO
GROVE
PARK
DISTRICT

BID FORM 1 of 3

Proposal of Ronald Schroeder, hereinafter called "BIDDER", (a)/ (an) (corporation, partnership, individual)

Doing business as Schroeder Asphalt Services, Inc. to the Buffalo Grove Park District, herein after called the "Owner".

The Bidder, in response to your advertisement for bids of the **PARKCHESTER PARK OSLAD GRANT DEVELOPMENT**, examined the Specifications, Drawings, and other contract documents, hereby proposes to furnish and deliver all materials and supplies in accordance with the Contract Documents, within the time set forth there in and at the prices stated below. These prices are to cover all expenses including delivery to Buffalo Grove, Illinois.

Bidder acknowledges receipt of the following Addenda(s), which is (are) a part of the Contract Documents:
Number(s): 1

Base Bid for all work: \$ 1,231,051.50

Include completed Unit Cost Worksheet.

Bidder hereby agrees to start work within ten (10) calendar days after receipt of "Notice to Proceed" from the Owner and to substantially complete the project as specified in the Project Identification and Schedule.



BID FORM 2 of 3

Important Note– To the extent it applies, Contractor must comply with requirements of the Illinois Prevailing Wage Act. Copies of the Labor Standards Provisions and the most recent Department of Labor Wage Determination can be found on the Department of Labor web site.

Bidder agrees to perform all of the work specified and required by the proposed contract documents. Accompanying bid is a 10 % Bid Bond (in the form of a Bid Bond, Certified Check or Cashier's Check) In the amount of (\$ 10% Bid Bond), the same being subject to forfeiture in the event of default by the undersigned.

In submitting this bid, it is understood that the right is reserved by the Owner to reject any and all bids and it is agreed that this bid may not be withdrawn during the period of days provided in the Contract Documents.

The Bidder here by certifies:

- A. That this bid is genuine and is not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation.
- B. That he/she has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid.
- C. That he/she has not solicited or induced any person, firm, or corporation to refrain from bidding.
- D. That he/she has not sought by collusion or otherwise to obtain for him any advantage over any other bidder or over the "Owner"
- E. That he/she, to the extent that it applies, must comply with requirements of the Illinois Prevailing Wage Act.
- F. That he/she is in compliance with the Criminal Code Act of 1961, Article E-11, Public Contracts, and Public Act 85-1295.
- G. That all materials, methods and workmanship shall conform to the General Conditions and Performance Specifications.



BUFFALO
GROVE
PARK
DISTRICT

BID FORM 3 of 3

(Owner)

(Address)

(City/State/Zip)

(Phone)

BY: _____

(Sign)

(Print Name)

(Date)

Schroeder Asphalt Services, Inc.

(Contractor)

11022 South Grant Highway

(Address)

Marengo, IL 60152

(City/State/Zip)

815-923-4380

(Phone)

BY: _____

(Sign)

Ronald Schroeder, President

(Print Name)

01/31/2024

(Date)



Unit Cost Worksheet for:
Parkchester Park
OSLAD Grant Development

Contractor: Schroeder Asphalt Services, Inc.

TO: Buffalo Grove Park District
Parkchester Park OSLAD Grant Development
530 Benard Drive
Buffalo Grove, Illinois 60089

Project # 1183

The undersigned bidder has carefully examined the plans and specifications for Buffalo Grove Park District Parkchester Park OSLAD Grant Development, in Buffalo Grove, 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

SY = Square Yard

FF = Finished Face

CF = Cubic Feet LF= Lineal Feet

CY = Cubic Yard LS = Lump Sum

SFF = Square Face Foot

BASE BID

| Item # | Description | Quantity | Unit | Installed Unit Price | Item Total |
|--------|--|----------|------|----------------------|--------------|
| 1 | Site Preparation, Removals & Earthwork, Complete | 1 | LS | \$ 300000.00 | \$ 300000.00 |
| 2 | Undercut and PGE - Allowance to be used only upon Owner pre-approval | 200 | CY | \$ 100.00 | \$ 20000.00 |
| 3 | Temporary Concrete Washout | 1 | LS | \$ 1000.00 | \$ 1000.00 |
| 4 | Inlet Protection | 1 | LS | \$ 1000.00 | \$ 1000.00 |
| 5 | Stabilized Construction Entrance | 1 | LS | \$ 3500.00 | \$ 3500.00 |
| 6 | Silt Fence | 1342 | LF | \$ 3.75 | \$ 5032.50 |
| 7 | As Built Survey by IL Licensed Surveyor | 1 | LS | \$ 6000.00 | \$ 6000.00 |
| 8 | Asphalt Paving - Vehicular | 611 | SY | \$ 58.00 | \$ 35438.00 |
| 9 | Parking Lot Striping | 1 | LS | \$ 750.00 | \$ 750.00 |
| 10 | Asphalt Paving - 8' Trail | 2353 | SY | \$ 42.00 | \$ 98826.00 |
| 11 | Asphalt Paving - Court | 1731 | SY | \$ 42.00 | \$ 72702.00 |
| 12 | Asphalt Color Coat - Basketball Court, Tennis, & Pickleball Court | 1726 | SY | \$ 13.25 | \$ 22869.50 |
| 13 | Concrete Paving | 4003 | SF | \$ 11.50 | \$ 46034.50 |

Unit Cost Worksheet for:
Parkchester Park
OSLAD Grant Development

Contractor: Schroeder Asphalt Services, Inc.

| | | | | | |
|--|--|------|----|------------|--------------|
| 14 | Curb and Gutter B6-12 | 302 | LF | \$ 42.00 | \$ 12684.00 |
| 15 | Curb at Playground | 357 | LF | \$ 36.00 | \$ 12852.00 |
| 16 | Curb at Courts | 488 | LF | \$ 47.00 | \$ 22936.00 |
| 17 | Poured-in-Place Surfacing on Gravel | 5735 | SF | \$ 33.00 | \$ 189255.00 |
| 18 | ADA Sign | 1 | EA | \$ 600.00 | \$ 600.00 |
| 19 | Stone Outcropping | 1 | LS | \$10000.00 | \$ 10000.00 |
| 20 | Painted Games | 1 | LS | \$16000.00 | \$ 16000.00 |
| 21 | 4" Perf SDR26 Playground Underdrainage | 312 | LF | \$ 46.00 | \$ 14352.00 |
| 22 | 4" Perf SDR26 Courts Underdrainage | 961 | LF | \$ 46.00 | \$ 44206.00 |
| 23 | 6" Solid PVC SDR26 Underdrainage | 55 | LF | \$ 92.00 | \$ 5060.00 |
| 24 | 8" Storm Sewer PVC | 45 | LF | \$ 96.00 | \$ 4320.00 |
| 25 | 12" Storm Sewer RCP | 142 | LF | \$ 92.00 | \$ 13064.00 |
| 26 | Core and Connect to Inlet/Manhole | 4 | EA | \$1650.00 | \$ 6600.00 |
| 27 | 24" Diameter Catch Basin, Type A | 1 | EA | \$3300.00 | \$ 3300.00 |
| 28 | 24" Diameter Manhole, Type A | 1 | EA | \$3300.00 | \$ 3300.00 |
| 29 | Drain Cleanout | 6 | EA | \$ 270.00 | \$ 1620.00 |
| Play Equipment shall be purchased by Owner, Contractor shall take delivery and fully install. | | | | | |
| 30 | Install of Communication Station | 1 | LS | \$ 775.00 | \$ 775.00 |
| 31 | Install 5-12 Play Structure | 1 | LS | \$32500.00 | \$ 32500.00 |
| 32 | Install of Welcome Sign | 1 | LS | \$ 275.00 | \$ 275.00 |
| 33 | Install Wee Planet Climber | 1 | LS | \$1150.00 | \$ 1150.00 |
| 34 | Install Curva Spinner | 1 | LS | \$ 900.00 | \$ 900.00 |
| 35 | Install Double Bobble Rider SB | 1 | LS | \$1000.00 | \$ 1000.00 |
| 36 | Install OmiSpin Spinner | 1 | LS | \$3850.00 | \$ 3850.00 |
| 37 | Install Roller Table | 1 | LS | \$5550.00 | \$ 5550.00 |
| 38 | Install Sport Climber | 1 | LS | \$10000.00 | \$ 10000.00 |
| 39 | Install Swings - 4 Unit | 1 | LS | \$1750.00 | \$ 1750.00 |

Unit Cost Worksheet for:
Parkchester Park
OSLAD Grant Development

Contractor: Schroeder Asphalt Services, Inc.

| Site Furniture shall be purchased by Owner, Contractor shall take delivery and fully install. | | | | | |
|--|---|-----|----|-------------|--------------|
| 40 | Install 10X10 Fabric Shade | 2 | EA | \$4000.00 | \$8000.00 |
| Site Furniture shall be purchased by Contractor, Contractor shall take delivery and fully install. | | | | | |
| 41 | Basketball Hoop, Net, and Backboard | 2 | EA | \$6000.00 | \$12000.00 |
| 42 | Tennis Posts, Net and Center Strap | 1 | EA | \$1500.00 | \$1500.00 |
| 43 | Pickleball Posts, Net and Center Strap | 1 | EA | \$1200.00 | \$1200.00 |
| 44 | Chainlink Fence - 10' Height at Courts | 485 | LF | \$155.00 | \$75175.00 |
| 45 | Interpretive Sign - Graphics by Owner | 5 | EA | \$425.00 | \$2125.00 |
| 46 | Lawn Restoration - Topsoil and Fine Grade All Areas of Disturbance and Purchase of Seed by Contractor | 1 | LS | \$100000.00 | \$100,000.00 |

Base Bid Total \$ 1,231,051.50

Base Bid in Writing:

one million, two hundred thirty-one thousand, fifty-one dollars
fifty cents 50/100

End of Bid Items - Fill out remainder of forms.

Provide 2 copies of bid form.

CONTRACTOR: Schroeder Asphalt Services, Inc.

CONTACT: Ronald Schroeder

SIGNATURE: 

PHONE: 815-923-4380

FAX: 815-923-4389

ADDRESS: PO Box 831, Huntley, IL 60142

List Surety Company Which Contractor will be using for Performance and Payment Bonds: HUB International Limited



AGREEMENT page 1 of 3

This Agreement made this 31st day of January, 2024, by and between
Schroeder Asphalt Services, Inc., hereinafter called the "CONTRACTOR" and the
BUFFALO GROVE PARK DISTRICT, hereinafter called the "OWNER".

WITNESSETH, that the CONTRACTOR and the OWNER for the consideration stated here-in agree as follows:

ARTICLE I – SCOPE OF WORK: The CONTRACTOR shall provide all of the materials and perform all of the work described in the specifications entitled **PARKCHESTER PARK OSLAD GRANT DEVELOPMENT** and in strict accordance with the requirements of all of the component parts of this Agreement as noted under Article V, all of which are attached hereto and made a part hereof.

ARTICLE II – TIME OF COMPLETION: This work to be performed under this agreement shall be commenced on **April 1, 2024** and shall be completed on **July 31, 2024**.

ARTICLE III – CONTRACT PRICE: The OWNER shall make payments to the CONTRACTOR for the completed performance of work included in this agreement in compliance with the prices as noted in the proposal dated and in accord with subsequent approved agreement change orders subject to all of the provisions of the component parts of this agreement.

ARTICLE IV – COMPLIANCE WITH LAW: The CONTRACTOR shall comply with all statutes, rules and regulations of all Federal, State and Local Agencies having jurisdiction over the proposed improvement at the time the proposal was submitted to the OWNER. Any and all costs associated in complying with said statutes, rules and regulations in effect at the time proposals were submitted and due shall be included within the costs of the proposal submitted.

ARTICLE V – COMPLIANCE WITH PREVAILING WAGE ACT: To the extent that it applies, Contractor must comply with requirements of the Illinois Prevailing Wage Act.



AGREEMENT page 2 of 3

ARTICLE VI – COMPLIANCE WITH ADA: In addition to the obligations set forth in Article IV, the contractor confirms that the materials and/or products listed in the proposal for bid do comply with the Americans with Disabilities Act, Title II, the ADA Accessibility Guidelines, the Illinois Accessibility Code, and all rules and regulations promulgated with reference thereto. In addition, if the contractor is obligated by this agreement to install the materials and/or products, the contractor shall install the materials and/or products in compliance with the Americans with Disabilities Act, Title II, ADA Accessibility Guidelines, the Illinois Accessibility Code, and all rules and regulations promulgated with reference thereto. All costs of compliance with said statutes, rules and regulations in effect at the time the contractor submitted its bid have been included in the contract price.

ARTICLE VII – COMPONENT PARTS OF THIS AGREEMENT: This agreement consists of the following component parts, all of which are as fully a part of this agreement as if herein set out verbatim, or if not attached, as if attached hereto:

1. Cover Letter
2. Bid Notice/Invitation to Bid
3. Instructions to Bidders
4. Bid Form and Unit Cost Worksheet
5. Addenda, (if any)
6. This Agreement
7. Anti-Collusion Affidavit and Contractor's Certification, Sexual Harassment Policies, Illinois Drug Free Work Place Statement, Bid Rigging Form, Equal Opportunity Form, Prevailing Wage Statement, and Law Compliance Form
8. Performance Specifications
9. Insurance Requirements
10. All employees of contractor are able to work in The United States

In the event that any provisions in any of the above component parts of the agreement conflict with any provision in any other component parts, the provision in the component part last enumerated above shall govern over any other component part which precedes it numerically, except as may otherwise specifically stated.



BUFFALO
GROVE
PARK
DISTRICT

AGREEMENT page 3 of 3


IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed in the original counterparts the day and year first above written.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed in three (3) original counterparts the day, month and year first above written.

CONTRACTOR: Schroeder Asphalt Services, Inc.

ADDRESS: 11022 S. Grant Hwy, Marengo, IL 60152

SIGNATURE:  TITLE: President

Attest:  TITLE: Corporate Secretary
(SEAL)



OWNER: PARK DISTRICT: BUFFALO GROVE PARK DISTRICT

ADDRESS: 530 BERNARD DRIVE BUFFALO GROVE, IL 60089

SIGNATURE: _____ TITLE: _____

Attest: _____ TITLE: _____
(SEAL)

JANUARY 10, 2024

**BUFFALO GROVE PARK DISTRICT
ANTI-COLLUSION AFFIDAVIT AND CONTRACTOR'S CERTIFICATION**

Ronald Schroeder, being first duly sworn, deposes and says:

That he is President of Schroeder Asphalt Services, Inc.
(Partner, Officer, Owner, etc.) (Contractor)

The party making the foregoing proposal or bid, that such bid is genuine and not collusive, or sham; that said Bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any Bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person; to fix the bid price element of said bid, or of that of any other bidder, or to secure any advantage against any other bidder or any person interested in the proposed contract.

The undersigned certifies that he is not barred from bidding on this contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid-rotating.

(Name of Bidder if the Bidder is an Individual)
(Name of Partner if the Bidder is a Partnership)
(Name of Officer if the Bidder is a Corporation)

 /Ronald Schroeder, President

The above statements must be subscribed and sworn to before a notary public. Subscribed and sworn to

This 31st day of January, 2024.

 /Rachael McDow Notary Public



HARASSMENT POLICY

The undersigned, on behalf of the entity making this proposal or bid, certified that a written Harassment policy is in place, pursuant to Public Act 87-1257, effective July 1, 1993, 775 ILCS 5/2-105 A).

This Act has been amended to provide that every party to a public contract must have a written harassment policy that includes, at a minimum, the following information:


1. The illegality of sexual (and all other forms of) harassment which is a form of discrimination;
2. The definition of harassment, under State law;
3. A description of harassment, utilizing examples;
4. The vendor's internal complaint process including penalties;
5. The legal recourse, investigative and complaint process available through the Department of Human Rights and the Human Rights Commission;
6. Directions on how to contact the Department and Commission;
7. Protection against retaliation as provided by 6-101 of the Act.

IT IS EXPRESSLY UNDERSTOOD THAT THE FOREGOING STATEMENTS AND REPRESENTATIONS AND PROMISES ARE MADE AS A CONDITION TO THE RIGHT OF THE BIDDER TO RECEIVE PAYMENT UNDER AND AWARD MADE UNDER THE TERMS AND PROVISION OF THIS BID.

SIGNATURE: 

NAME: Ronald Schroeder TITLE: President

Subscribed and sworn to me on this 31st day of January 2024, A.D.

By:  /Rachael McDow
(Notary Public)

Seal



ILLINOIS DRUG FREE WORK PLACE STATEMENT

The undersigned will publish a statement:

1. Notify employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the work place;
2. Specifying the actions that will be taken against employees for violating this provision;
3. Notifying the employees that, as a condition of their employment to do work under the contract with the Buffalo Grove Park District, the employee will:
 - a. Abide by the terms of the statement;
 - b. Notify the undersigned of any criminal drug stature conviction for a violation occurring in the work place not later than five (5) days after such a conviction;
4. Establishing a drug free awareness program to inform employees about:
 - a. The dangers of drug abuse in the work place;
 - b. The policy of maintaining a drug-free work place;
 - c. Any available drug counseling, rehabilitation or employee assistance program;
 - d. The penalties that may be imposed upon an employee for drug violations;
5. The undersigned shall provide a copy of the required statement to each employee engaged in the performance of the contract with the Buffalo Grove Park District, and shall post the statement in a prominent place in the work place;
6. The undersigned will notify the Buffalo Grove Park District within ten (10) days of receiving notice of an employee's conviction;
7. Make a good faith effort to maintain a drug free work place through the implementation of these policies;
8. The undersigned further affirms that within thirty (30) days after receiving notice of a conviction of a violation of the criminal drug statue occurring in the work place, he shall:
 - a. Take appropriate action against such employee up to and including termination; or
 - b. Require the employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposed by a federal, state, or local health, law enforcement, or other appropriate agency;

IT IS EXPRESSLY UNDERSTOOD THAT THE FOREGOING STATEMENTS AND REPRESENTATIONS AND PROMISES ARE MADE AS A CONDITION TO THE RIGHT OF THE BIDDER TO RECEIVE PAYMENT UNDER ANY AWARD MADE UNDER THE TERMS AND PROVISIONS OF THIS BID.

SIGNATURE _____

NAME: Ronald Schroeder

TITLE: President

Subscribed and sworn to me on this 31st day of January, 2024, A.D.

By: _____

(Notary Public)

/Rachael McDow

Seal



BID RIGGING

I, Ronald Schroeder (Individual), having been first duly sworn on oath, do depose and state that I presently reside at

11022 S. Grant Hwy, Marengo, IL 60152
(Address/City/State/Zip),

and that I am the duly authorized principal, officer or agent of

Schroeder Asphalt Services, Inc.
(Name of Contractor)

and do hereby certify to the Buffalo Grove Park District, its Board Members, officers and employees that neither I nor

Schroeder Asphalt Services, Inc.
(Name of Contractor)

are barred from bidding on the contract for which this bid is submitted, as a result of violation of either Section 33E-3 ("Bid-rigging") or Section 33E-4 ("Bid-rotating") of Article 33E of the Criminal Code of 1961 of the State of Illinois approved July 28, 1961, as amended.

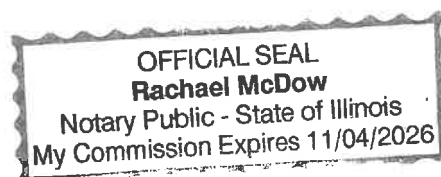
Individually and on behalf of Contractor, Subscribed and sworn to before me this

31st Day of January, 20 24



(Notary Public)

/Rachael McDow



My commission expires:

11/04/2026
(Date)

EQUAL EMPLOYMENT OPPORTUNITY

GENERAL

POLICIES OF EMPLOYMENT

The Contractor and all subcontractors shall not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin.

The Contractor shall take affirmative action to ensure that all applicants are employed, and that employees are equally treated during employment, without regard to their race, religion, color, sex or national origin. Such action shall include, but not being limited to the following:

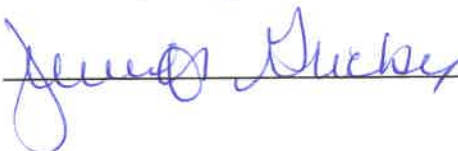
1. Employment, upgrading, demotion and transfer.
2. Recruitment or recruitment advertising.
3. Layoff or termination.
4. Rates of pay or other forms of compensation.
5. Selection for training including apprenticeship.

The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the policies of non-discrimination.

The Contractor and all subcontractors shall, in all solicitations or advertisements for employees placed by them or on their behalf; state that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex or national origin.

Comply with all terms of the Equal Employment Opportunity Clause of the Illinois Fair Employment Practices Commission.

SIGNATURE:  TITLE: President

Attest:  TITLE: Corporate Secretary



LAW COMPLIANCE

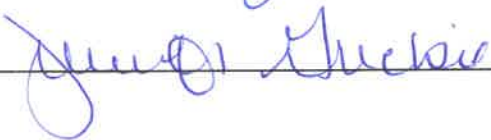
GENERAL

LAW COMPLIANCE

All project construction Work shall comply with all State and Municipal Laws and Regulations, and with all Local Ordinances and Rules pertaining to this Work. Such Laws, Regulations, Ordinances and Rules shall be considered a part of these Specifications.

All successful Contractors must comply with the provisions of the Illinois Human Rights Act (Act) dealing with equal employment opportunities (Section 2-105, 775 ILCS 5/2-105) including equality of employment opportunity and the regulations of the Department of Human Rights of the State of Illinois and also must provide for the adoption and implementation of written Sexual Harassment Policies. The Contract with the successful Bidder will provide for this requirement. The Statutory provisions setting forth what such policies shall include as a minimum under the Act are on file with the District and available to the Contractor upon request.

SIGNATURE:  TITLE: President

Attest:  TITLE: Corporate Secretary





BUFFALO
GROVE
PARK
DISTRICT

PARKCHESTER PARK OSLAD GRANT DEVELOPMENT

Refer to the Issued for Bidding drawings and project manual
dated 01.10.2024 for the full scope of work.

INSURANCE REQUIREMENTS FOR CONTRACTORS

Bidder's attention is directed to the insurance requirements below. It is highly recommended that bidders confer with their respective insurance carriers or brokers to determine in advance of bid submission the availability of insurance certificates and endorsements as prescribed and provided herein. If an apparent low bidder fails to comply strictly with the insurance requirements, that bidder may be disqualified from award of the contract.

Contractor shall procure and maintain for the duration of the contract, insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by the contractor, his agents, representatives, employees or subcontractors.

A. **Minimum Scope of Insurance.** Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage ("occurrence" form CG 001 1185) or Insurance Services Office form number GL 0404 covering Broad Form Comprehensive General Liability or the most recent revision.

Please note Endorsement CG 21 34 11 88, CG 21 39 11 88 or other such endorsement or policy provision which limits contractual liability shall be deleted in its entirety.

2. Insurance Services Office Business Auto coverage form number CA 0001 0187 covering Automobile Liability, code 1 "any auto" and endorsement CA 0029 1288 Changes in Business Auto and Truckers coverage forms – Insured Contract.
 - a. The Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents are to be covered as additional insured as respects: liability rising out of activities performed by or on behalf of the contractor; products and completed operations of the contractor; premises owned, occupied or used by the contractor; or automobiles owned, leased, hired or borrowed by the contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents.
 - b. The contractor's insurance coverage shall be primary insurance as respects to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents. Any insurance or self-insurance maintained by the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents shall be in excess of the contractor's insurance and shall not contribute with it.
 - c. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents.
 - d. The contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
3. Worker's Compensation insurance as required by statute, and Employer's Liability insurance.

B. **Minimum Limits of Insurance.** Contractor shall maintain limits no less than:

1. **General Liability:** \$2,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project using the endorsement CG 25 03 11 85 or the general aggregate limit shall be twice the required occurrence limit.
2. **Automobile Liability:** \$1,000,000 combined single limit per accident for bodily injury and property damage including coverage's for owned, hired or non-owned vehicles, as applicable.
3. **Workers' Compensation and Employer's Liability:** Workers' compensation limits as required by statute and Employer's Liability limits of \$1,000,000 per accident and \$1,000,000 per disease.

C. **Deductibles and Self-Insured Retentions.** Any deductibles or self-insured retentions must be declared to and approved by the Buffalo Grove Park District. At the option of the Buffalo Grove Park District and, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents; or the contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

D. **Other Insurance Provisions.** The policies are to contain, or be endorsed to contain, the following provisions:

1. **General Liabilities and Automobile Liability Coverage's.**

- a. The Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents are to be covered as additional insured as respects: liability arising out of activities performed by or on behalf of the contractor, including the insured's general supervision of the contractor; products and completed operations of the contractor; premises owned, occupied or used by the contractor; or automobiles owned, leased, hired or borrowed by the contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents..
- b. The contractor's insurance coverage shall be primary insurance as respects the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents.. Any insurance or self-insurance maintained by the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents shall be in excess of the contractor's insurance and shall not contribute with it.
- c. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents..
- d. The contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

2. Workers' Compensation and Employer's Liability Coverage. The insurer shall agree to waive all rights of subrogation against the Buffalo Grove Park District, Upland Design Ltd, their officers, officials, employees, or agents for losses arising from work performed by the contractor for the Buffalo Grove Park District.
 3. All Coverages. Each insurance policy required by this clause shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the Buffalo Grove Park District.
- E. Acceptability of Insurers. Insurance is to be placed with insurers with a Best's rating of no less than A: VII and licensed to do business in the State of Illinois.
- F. Verification of Coverage. Contractor shall furnish the Buffalo Grove Park District with certificates of insurance and with original endorsements, if applicable, effective coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by the insurer to bind coverage on its behalf. All certificates and endorsements are to be received and approved by the Buffalo Grove Park District before work commences. The Buffalo Grove Park District reserves the right to require complete, certified copies of all required insurance policies, at any time.
- G. Subcontractors. Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all of the requirements stated herein.
- H. Indemnification Clause. Contractor shall protect, indemnify, hold and save harmless and defend the Buffalo Grove Park District and Upland Design Ltd, their officers, officials, employees, or agents against any and all claims, costs, causes, actions and expenses, including but not limited to attorneys' fees incurred by reason of a lawsuit or claim for compensation arising in favor of any person, including the employees, officers or independent contractors or subcontractors of the contractor or the Buffalo Grove Park District, on account of personal injuries or death, or damages to property occurring, growing out of, incident to, or resulting directly or indirectly from the performance by the contractor or subcontractor, whether such loss, damage, injury of liability is contributed to by the negligence of the Buffalo Grove Park District or by premises themselves or any equipment thereon, whether latent or patent, or from other causes whatsoever, except that the contractor shall have no liability for damages or the costs incident thereto caused by the sole negligence of the Buffalo Grove Park District.

WHO IS AN INSURED section of the policy/coverage document is amended to include as an insured, the individuals or organization shown above, but only with respect to liability "arising out of your work".

For purposes of this endorsement, "arising out of our work" shall mean:

1. Liability the Additional Insured may incur resulting from the negligent actions or inactions of the Named Insured Contractor and/or a subcontractor the Named Insured Contractor hires.
2. Liability the Additional Insured may incur for negligence in the supervision of the Named Insured Contractor's work.
2. Liability the Additional Insured may incur due to joint negligence of the Named Insured Contractor and the Additional Insured.



January 30, 2024

Schroeder Asphalt Services Inc
Po Box 831
Huntley, IL 60142

To Whom It May Concern:

Please be advised that we will be able to provide insurance as required in the contract documents for the Buffalo Grove Park District (Oslad Grant Development) if the job is awarded to the above insured.

Any questions, feel free to contact our office. Thank you!

Kevin J. Scanlon, agent

A handwritten signature in black ink, appearing to read 'K J Scanlon'.

KJS/mh

ATTACHMENT "A"

ADDITIONAL INSURED ENDORSEMENT

Name of Insurer: _____

Name Insured: _____

Policy Number: _____

Policy Period: _____

Endorse. Effective Date: _____

This endorsement modifies coverage provided under the following:

Commercial General Liability
Coverage Part

Name of Individuals or Organization:

Buffalo Grove Park District and its Agents
Upland Design Ltd. and its Agents
Mackie Consultants and its Agents
Hey and Associates and its Agents

FOREST PRESERVE & PARK DISTRICTS

2018 JOBS

| JOB NO | PROJECT | ENGINEER/OWNER | CITY / VILLAGE | CONTACT | PHONE NO. |
|--------|--|-----------------------------|----------------|--------------|--------------|
| 218060 | Asphalt Resurfacing of Prairie Trail Link & Maint Shop Parking Lot | McHenry County Conservation | McHenry | Perry Weborg | 815/338-6223 |

2019 JOBS

| JOB NO | PROJECT | ENGINEER/OWNER | CITY / VILLAGE | CONTACT | PHONE NO. |
|--------|---|-----------------------------|----------------|---------------|--------------|
| 219026 | Itasca Recreation & Fitness Center Proposed Site Improvements | Itasca Park District | Itasca | | |
| 219057 | Paving at the Tomo Chi-Chi Knolls | Kane County Forest Preserve | Gilbert's | Anna Marano | 630/208-2006 |
| 219058 | 2019 Sidewalk Program, Phase 1(Contract DPW-1912 | DiNatale/Palatine Pk Dist | Palatine | Mike DiNatale | 630/514-3118 |

2020 JOBS

| JOB NO | PROJECT | ENGINEER/OWNER | CITY / VILLAGE | CONTACT | PHONE NO. |
|--------|--|----------------------------------|----------------|--------------|--------------|
| 218060 | Asphalt Resurfacing of Prairie Trail Link & Maint Shop Parking Lot | McHenry County Conservation | McHenry | Perry Weborg | 815/338-6223 |
| 220028 | Millennium Trail - McDonald Woods FP | Lake County Forest Preserve | Lindenhurst | Lisa Roberts | 847/968-3210 |
| 220066 | Asphalt Repair at Timber Ridge, Kline Creek Farm Forest Preserve (Project #GM-20-04) | Forest Preserve of DuPage County | West Chicago | Mike Wiseman | 630/876-5925 |
| 220093 | 2020 MFT Maintenance Program | Village of Island Lake | Island Lake | Mark Rooney | 847/526-8764 |
| 220102 | Sullivan Center Asphalt 2020 | Vernon Hills Park Dist | Vernon Hills | James Kim | 224/406-7818 |

2021 JOBS

| JOB NO | PROJECT | ENGINEER/OWNER | CITY / VILLAGE | CONTACT | PHONE NO. |
|--------|--|--------------------------------|-----------------|---------------|--------------|
| 221022 | Asphalt Maintenance Service | DuPage County Forest Preserve | | Mike Wiseman | 630/876-5925 |
| 221041 | DuPage River Trail-Riverview Farmstead Imp | Will County FP | | | 815-727-8700 |
| 221061 | Ballfield Quad Paving - Four Season Pk Bid #1074 | Plainfield Park District | Plainfield | Bob Collins | 815/436-8812 |
| 221073 | 2021 Street Reconstruction Program | Salt Creek Rural Park District | Rolling Meadows | Ryan Lindeman | 847/343-2963 |

2022 JOBS

| JOB NO | PROJECT | ENGINEER/OWNER | CITY / VILLAGE | CONTACT | PHONE NO. |
|--------|--|----------------------------------|----------------|-------------------|--------------|
| 222026 | Jaycee Park Tennis & Basketball Ct Replace | Park Ridge Park Dist | Park Ridge | Jennifer Menunier | 847/292-1258 |
| 222061 | Eaton Trail Resurfacing | Plainfield Park District | Plainfield | Bob Collins | 815-436-8812 |
| 222068 | Fox River Trail Resurfacing | Kane County Forest Preserve Dist | Elgin | Anna Marano | 630-208-2006 |
| 222101 | Path in Huntley | VO Huntley / Huntley Park Dist | Huntley | Tim Farrell | 847-515-5285 |
| 222121 | NRC Masonry Sealing & Repair Project | Norridge Park District | Norridge | Jerry Hernandez | 708-457-1244 |
| 222130 | Ellis, Harts, Sports Center & Sutton | Round Lake Park Dist | Round Lake | Ana Olivares | 847-546-8558 |
| 222136 | Fox River Trail Paths | City of Elgin | Elgin | Greg Hulke | 847-931-6001 |

2023 JOBS

| JOB NO | PROJECT | ENGINEER/OWNER | CITY / VILLAGE | CONTACT | PHONE NO. |
|--------|--|--|----------------|-----------------|-------------------|
| 23003 | North Maintenance Facility Improv. - Phase 3 - Site Work | North Maintenance Facility Improv. - Phase 3 - Site Work | Naperville | Tom McGrath | 847-741-7220 x322 |
| 23040 | Northbrook PD, Trail Through Time Gravel Top Dressing | Molly Hamer, Northbrook Park District | Northbrook | Chris Leiner | 847-291-2960 |
| 23060 | Norridge Park District | Norridge Park District | Norridge | Jerry Hernandez | 708-457-1244 |
| 23064 | Great Western Trail | Dekalb County Forest Preserve | Dekalb | Tim Farrell | 847-515-5285 |

SCHROEDER

ASPHALT SERVICES, INC.

P.O. BOX 831
HUNTLEY, IL 60142

PHONE: (815) 923-4380
FAX: (815) 923-4389

JOB REFERENCES

Company: Village of Arlington Heights
33 S. Arlington Heights Rd.
Arlington Heights, IL 60005

Project(s): 2013, 2014, 2015, 2016, 2018, 2019 HMA Restoration
Amount(s): 2013 - \$83,000.00 (6/10 – 6/23/13) / 2014 - \$325,000.00 (6/10 – 11/16/14) /
2015 – \$265,008.12 (4/13 - 11/15/15) / 2016 - \$549,966.13 /
2017 - \$508,261.80 / 2018 - \$90,043.93 / 2018 - \$547,000 / 2019 - \$480,000 /
2020 – 523,770.34 / 2021- \$507,286.72 / 2022-\$473,954.25

Engineer: Village of Arlington Heights
Patrick Smith (Engineer Inspector) – 847/368-5250
psmith@vah.com

Company: Village of Streamwood
301 E. Irving Park Road
Streamwood, IL 60107

Project(s): 2008 & 2009 MFT Resurfacing
2013, 2014 - 2015 - 2016 – 2019 - 2021 Roadway Maintenance Program

Amount(s): 2008 - \$456,759.00 (5/1 – 10/31/08) / 2009 - \$399,298.00 (6/4 – 9/30/09) /
2013 - \$630,503.68 (4/30 – 10/20/13) / 2014 - \$766,572.20 (5/26 – 8/31/14) /
2015 - \$761,095.47 (6/1 - 10/18/15) / 2016 - \$862,625.45 (5/29/16 - 10/16/16) /
2018 - \$748,007.85 (5/21 – 9/30/18) 2019 - \$727,867.01 (6/3 – 10/20/19) /
2020 - \$1,750,466.85 (5/18 – 10/18/2020) / 2021 - \$673,473.20
2022 - \$1,457,627.15

Engineer: Village of Streamwood
Matt Mann, Director of Engineering & Public Works - 630-736-3850
Mmann@streamwood.org

Company: Village of Hoffman Estates
1900 Hassell Road
Hoffman Estates, IL 60169

Project(s): 2022 – 2022 Street Revitalization Program
Amount(s): 2022 - \$6,300,000

Engineer: Village of Hoffman Estates
Andy LoBosco, P.E. – Senior Project Manager - 847-815-8590
Andy.LoBosco@Hoffmanestates.org

Company: Village of Gilberts
87 Galligan Road
Gilberts, IL 60136

Project: Timber Trail Subdivision
Amount(s): 2022 - \$2,753,931

Engineer: Robinson Engineering
John Hannigan – Project Engineer – 708-331-6700
Jhannigan@reltd.com

Company: Village of Palatine
 200 E. Wood St.
 Palatine, IL 60067
 Project(s): 2012 Palos Avenue Phase 2, ENG 12-401
 2015 Street Rehabilitation, 2015 Kenilworth Ave. Improvements
 Amount(s): 2012 - \$323,290.25 (4/30 – 10/31/12) / 2015 \$552,233.25 (4/20 – 6/14/15) /
 2015 – \$180,467.05 (8/3 – 9/6/15)
 2017 – 2017 Metra Paving Remove & Replace \$17,958.17 (4/23 – 4/28/17)
 2018 – West Wilson Street Improvements \$285,618.13 (4/16 – 6/24/18)
 2020 – 2020 MFT Street Rehabilitation \$726,101.57
 2020 – Wood Street & Greeley Street Resurfacing \$365,793.63
 2022 - \$1,323,631.04
 Engineer: Village of Palatine
 Matt Grenning / Engineer - 847/359-9044
Mgrenning@palatine.il.us

Company: Village of Huntley
 10987 Main Street
 Huntley, IL 60142
 Project: 2022 Various Streets
 2022 – Cornell Development
 Amount(s): 2022 - \$483,914.50 Woodstock Street / 2022 - \$2,074,787.65 Cornell Development
 Engineer: Christopher B. Burke
 Greg Sanders – 847-417-0059
gsanders@cbbel.com

Company: Village of Glen Ellyn
 535 Duane Street
 Glen Ellyn, IL 60137
 Project: 2014 Street Resurfacing Project
 2018 Parking Lot Resurfacing & Asphalt
 2020 Utility & Roadway Improvement
 Amount(s): 2014 - \$1,238,787.92 / 2018 - \$266,296.24 / 2020 - \$1,298,380.83
 Engineer: Village of Glen Ellyn
 Jeff Perrigo 630/547-5512
jperrigo@glenellyn.org

Company: Village of Burr Ridge
 7660 County Line Road
 Burr Ridge, IL 60527
 Project: 2017 MFT Road Program
 2020 MFT Road Program
 Amount(s): \$530,429.98 (6/1 - 11/10/17) / \$621,946.20 / 2022-685,479.60
 Engineer: James Miedema, P.E. 630/323-4733 X6010
 Village of Burr Ridge
jmiedema@burr-ridge.gov

Company: Village of Carol Stream
 500 N. Gary Avenue
 Carol Stream, IL 60188
 Projects: 2018 Flexible Pavement Project
 2020 Flexible Pavement Project
 Amounts: \$1,921,872.65 (2018) / \$3,174,446.05 (2020) 2022- \$565,980.50
 Engineer: Village of Carol Stream
 Adam Frederick 630/868-2263
afrederick@carolstream.org

Company: Village of Lake In The Hills
600 Harvest Gate
Lake In The Hills, IL 60156
Projects: 2022 – Industrial Drive Roadway Resurfacing & Drainage Improvements
Amounts: \$1,258,346
Engineer: Chastain Engineers
Steve Frerichs, Project Engineer – 847-287-6732
Sfrerichs@chastainengineers.com

Company: Village of Lombard
1051 S. Hammerschmidt Aven
Lombard, IL 60148
Projects: 2019 Asphalt Paving & Patching Program
Amounts: \$1,415,003.61
Engineer: Village of Lombard
Tom Dixon (Civil Engineering Technician) 630/620-5971
dixont@villageoflombard.org

Company: Village of Roselle
474 Congress Circle North
Roselle, IL 60172
Projects: 2021 Street Improvements
Amounts: \$674,430.00
Engineer: Village of Roselle
Karen Young, Director of Public Works 630/671-2365
kayoung@rosell.il.us

SCHROEDER

ASPHALT SERVICES, INC

REVISION: NOVEMBER 6, 2023

| <u>PICK UP TRUCKS</u> | | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL #</u> | <u>PLATE #</u> | <u>EXP. MONTH</u> |
|-----------------------|--|-------------|---------------------|---------------------|-------------------|----------------|-------------------|
| 636 | | 2016 | GMC SIERRA | 2500HD | 1GT22REG3GZ419950 | 2030483 | DECEMBER |
| 637 | | 2019 | AUDI - RON | Q7 SUV | | 46090US | JANUARY |
| 638 | | 2017 | FORD | F-150 | 1FTEW1EP2HPA08318 | 2123890B | MARCH |
| 639 | | 2017 | FORD | F-250 | 1FT7W2B63HEC60983 | 2130265B | MARCH |
| 641 | | 2015 | FORD | F-150 | 1FTFW1EF9FFB49220 | 2446410B | APRIL |
| 642 | | 2013 | FORD | F-150 | 1FTMF1CM4DKD72178 | 2825111B | MARCH |
| 643 | | 2022 | CHEVROLET SILVERADO | 1500 | 3GCPYBEK2NG173289 | 3275040B | JANUARY |
| 644 | | 2022 | CHEVROLET SILVERADO | 1500 | 1GCPDKEK4NZ636531 | 3498916B | OCTOBER |
| | | | | | | | |
| <u>SERVICE TRUCKS</u> | | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL/WEIGHT</u> | <u>SERIAL #</u> | | |
| 767 | | 2020 | FORD | F550 | 1FDUF5GT5LEE51313 | 189189H | JUNE |
| 768 | | 2020 | FORD | F550 | 1FDUF5GT6LEE50901 | 189190H | JUNE |
| 772 | | 2005 | GMC | C4500 - 32,000 | 1GDE4V1295F510161 | 33000K | JUNE 24461K |
| 780 | | 2003 | CHEVROLET | C5500 - 32,000 | 1GBE5E1163F517272 | 26837K | JUNE |
| 785 | | 2004 | PETERBILT FLATBED | 330 - 36,000 | 2NPNHD7X74M834678 | 22725L | JUNE |
| 790 | | 2001 | PETERBILT FLATBED | 330 | 2NPNHD7X71M564766 | 20217L | JUNE |
| 792 | | 2011 | FORD FLATBED | F450 | 1FDTF4GT2BEC82193 | 31507K | JUNE |
| 793 | | 2011 | FORD FLATBED | F450 | 1FDTF4GT6BEC82231 | 31506K | JUNE |
| 794 | | 2008 | FORD | F550 | 1FDAF57R48EB08233 | 31510K | JUNE |
| 795 | | 2011 | FORD FLATBED | F450 | 1FDTF4GT4BEC82230 | 32548k | JUNE |
| 796 | | 2011 | FORD FLATBED | F450 | 1FDTF4GT6BEC82214 | 32549K | JUNE |
| 797 | | 2011 | FORD FLATBED | F450 | 1FDTF4GT5BEC81698 | 32546K | JUNE |
| 798 | | 2011 | FORD FLATBED | F450 | 1FDTF4GT1BEC82170 | 32547K | JUNE |
| 799 | | 2016 | FORD | F550 | 1FDUF5GY2GEA59441 | 167252F | JUNE |
| 701 (SALT) | | 2005 | CHEVROLET | W450 | J8BC4B16157012616 | 3681MG | JUNE |
| 702 (SALT) | | 2002 | FREIGHTLINER | FL70 | 1FVABTAK92HK97570 | 3610ML | JUNE |
| 703 | | 2019 | FORD | F-350 XL | 1FD8W3HT9KEE70918 | 33933K | JUNE |
| 704 | | 2019 | FORD | F-550 XL | 1FD0X5GT7KEC11447 | 33934K | JUNE |
| 705 | | 2017 | FORD | F-550 XL | 1FDUF5GT3HED35419 | 33856K | JUNE |
| | | | | | | | |
| | | | | | | | |
| <u>SIX WHEELERS</u> | | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL #</u> | | |
| 750 | | 2019 | PETERBILT | 348 | 2NP3LJ0X6KM263700 | 48895R | JUNE |

| | | | | | | | |
|----------------------------|--------------------|---------------------|----------------------------|--|------------------------|-----------|-------------|
| 751 | 2008 | PETERBILT | 340 | | 2NPRLN0X88M750181 | 52792R | JUNE 48153R |
| 752 | 2012 | PETERBILT | 348 | | 2NP3LN0X5CM134873 | 52510R | JUNE |
| 758 | 2003 | PETERBILT | 330 | | 2NPNLD9X13M809706 | 37396R | JUNE |
| 759 | 2022 | PETERBILT | 348 | | 2NP3LJ0X7NM779746 | 49568R | JUNE |
| 764 | 2006 | PETERBILT | 335 | | 2NPPLD9X66M630900 | 36402R | JUNE |
| 774 | 2008 | PETERBILT | 340 | | 2NPRLN0X08M750188 | 52791R | |
| 786 | 2000 | PETERBILT | 330 | | 1NPNLD9X1YS19751 | 49968R | JUNE |
| | | | | | | | |
| | | | | | | | |
| <u>SEMISS</u> | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | | <u>SERIAL #</u> | | |
| 770 | 2013 | PETERBILT | 388 | | 1XPWD40X3DD185421 | 44981Z | JUNE |
| 777 | 2009 | PETERBILT | 388 | | 1XPWDB9X09D781066 | 25724Z | JUNE |
| 789 | 2008 | PETERBILT | 388 | | 1XPWD40X38D740549 | 57365Z | JUNE |
| | | | | | | | |
| <u>WATER TRUCKS</u> | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | | <u>SERIAL #</u> | | |
| 775 | 1991 | INTERNATIONAL | 9300 | | 2HSFBG2R1MC043132 | 17937MR | JUNE |
| 783 | 1999 | KENWORTH | T800B | | 1NKDLT0X1XR827548 | 23124MR | JUNE |
| 784 | 2003 | PETERBILT | 330 | | 2NPNLD0X03M803666 | 22637 MR | |
| 787 | 2012 | INTERNATIONAL | DURASTAR | | 3HAMMAAN0CL605340 | 2293MN | |
| | | | | | | | |
| <u>TRAILERS</u> | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL/WEIGHT</u> | | <u>SERIAL #</u> | | |
| T3 | 2002 | IMPERIAL | | | 1T9FS162020372275 | | |
| T4 | 1996 | DYNAWELD | 40,000 | | 4U161AEX4VIX33960 | 6903TN | JUNE |
| T5 | 2002 | EAGER BEAVER | 36,000 | | 112H8V3222L060517 | 6280TL | JUNE |
| T9 | 2005 | LANDOL | 10,000 | | 1LHT10DT751014198 | 89547TD | JUNE |
| T10 | 2005 | EAGER BEAVER | 36,000 | | 112H8V3295L070305 | 6140TL | JUNE |
| T11 | 2007 | KRUZ | | | 1K9SD22287K226316 | 137613ST | NON EXPIRE |
| T13 | 2007 | CLASSIC GRACO STRIP | | | 10WCV12107W042443 | 1157HZ-TA | APRIL |
| T14 | 2007 | TRAIL MASTER | | | 45JA3FS1371001220 | | |
| T15 | 2003 | IMPERIAL | | | 1T9FS162630372248 | | |
| T17 | 2007 | HOMEMADE | | | TD300898 | | |
| T18 | 2000 | MCKEEVER | 10,000 | | 1M9BA1826YL510278 | 72288TD | JUNE |
| T19 | 1999 | DYNAWELD | 32,000 | | 4U181AEXOX1038651 | 12654TK | JUNE |
| T20 | 1992 | EAGER BEAVER | 36,000 | | 112H5V325NLO40095 | 5799TL | JUNE |
| T22 | 2006 | SNO PRO | | | 5FG20FL2561022947 | | |
| T26 | 2008 | DTC PIT BOSS | | | 1D913272P7B059762 | | NON EXPIRE |
| T27 | 2010 | IMPERIAL | LB-10-16 10,000 | | 1T9FS1628AD372118 | 79562TD | JUNE |
| T28 | 2008 | IMPERIAL | LB-14-16 14,000 | | 1T9FS162680372418 | 79756TE | JUNE |

| | | | | | | | |
|-------------|--|------|--------------|-----------------|-------------------|----------|------------|
| T29 | | 1997 | DYNAWELD | 36,000 | 4U161AEX6V1X34284 | 12656TK | JUNE |
| T30 | | 2004 | IMPERIAL | 10,000 | 1T9FS162040372330 | 113461TD | JUNE |
| T32 | | 2001 | EAGER BEAVER | 10HDB 40,000 | 112HAN3031L056865 | 6902TN | JUNE |
| T33 | | 2000 | DYNAWELD | 40,000 | 4U181AFX0Y1038942 | 6905TN | |
| T34 M | | 2018 | IMPERIAL | LB-14-18 14,000 | 72137 | 46689TE | JUNE |
| T35 C | | 2018 | IMPERIAL | LB-14-18 14,000 | 72114 | 46673TE | JUNE |
| T36 | | 2018 | TOWMASTER | T-40 | 4KNBF3522KL160666 | 7492 TN | JUNE |
| T37 | | 2006 | ETNYRE | UNK | 1E92940486E111240 | 791979ST | NON EXPIRE |
| T38 (BLACK) | | 2021 | IMPERIAL | SW-14-20 | 1T9FS2021M0372254 | 118028TE | JUNE |
| T39 (RED) | | 2021 | IMPERIAL | SW-14-20 | 1T9FS2025M0372256 | 118029TE | JUNE |
| T40 | | 2022 | IMPERIAL | SW-14-20 | 1T9FS2029N0372097 | 121705TE | |
| T41 | | 2022 | IMPERIAL | SW-14-20 | IT9FS2020N0372098 | 121706TE | |
| T42 | | 2022 | ETNYRE | PAVER | 1E9332696NE111216 | | |
| T43 | | 2016 | EAGER BEAVER | 27 FT TRAILER | 112H8V348GL081123 | | |
| T44 | | 2008 | EAGER BEAVER | 27 FT TRAILER | 112H8V3228L074121 | | |
| T45 | | 2023 | IMPERIAL | SW-14-20 | 1T9FS202XP0372094 | 136073TE | JUNE |
| | | | | | | | |
| | | | | | SERIAL # | | |
| SKIDLOADERS | | YEAR | MAKE | MODEL | | | |
| 416 | | 2015 | CASE | SR250 SSL | NEM478636 | | |
| 417 | | 2015 | CASE | SR250 SSL | NEM478570 | | |
| 421 | | 2014 | CASE | SR250 SSL | NEM478460 | | |
| 423 | | 2014 | CASE | TR320 | NEM482718 | | |
| 426 | | 2018 | CASE | SV340 | NMH436121 | | |
| 427 | | 2018 | CASE | SR270 | NMH436735 | | |
| 428 | | 2018 | CASE | TR340 | JAFTR340PHM436976 | | |
| 429 | | 2018 | CASE | SR270 | JAFSR270AHM436727 | | |
| 430 | | 2018 | CASE | SR270 | JAFSR270EHM436733 | | |
| 431 | | 2019 | CASE | SR270 | JAFSR270PJM451934 | | |
| 432 | | 2019 | CASE | TR340 | JAFTR340JMJ453026 | | |
| 433 | | 2019 | CASE | SV280 | NJM452268 | | |
| 434 | | 2019 | CASE | SR270 | NHM439634 | | |
| 435 | | 2019 | CASE | SR279 | NJM453146 | | |
| 436 | | 2020 | CASE | TR340 | NJM451948 | | |
| 437 | | 2018 | CASE | TR340 | JAFTR340KHM436171 | | |
| 438 | | 2019 | CASE | TR340 | JAFTR340CJM453027 | | |
| 439 | | 2019 | CASE | TR340 | NJM451776 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| <u>ENDLOADER</u> | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL #</u> | | |
|------------------------|-------------|-------------------|-----------------|--------------------|------------|------------|
| 403 | 1998 | CASE 570 MXT | GRADING TRACTOR | JJG0225716 | | |
| 404 | 1997 | KOMATSU | WA320 | A30230 | | |
| 418 | 1990 | CAT | IT28B | 1HF01568 | | |
| 419 | 1997 | CAT WHEELLOADER | 924F | 5NN01190 | | |
| 420 | 1988 | CAT WHEELLOADER | 926E | 94Z02315 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| <u>ASPHALT PAVERS</u> | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL #</u> | | |
| P7 | 1993 | SPAULDING PATCHER | | 931607-79 | | |
| P9 | 2006 | LEEBOY PATHMASTER | 5000 | 47246 | | |
| P10 | 2004 | CATAP655C | AP655C | CDG00342 | | |
| P11 | 2004 | MIDLAND WIDENER | SPD-8 | 285 | | |
| P12 | 2008 | LEEBOY | 8515 CRAWLER | 51117 | | |
| P13 | 2011 | CATERPILLAR | AP1000D | CATAP100KEAD00437 | 44,780 lbs | 44,780 lbs |
| P14 | 2016 | LEEBOY | 8510 | 132881 | | |
| P15 | 2018 | LEEBOY | 8510 | 200804 | | |
| P16 | 2016 | LEEBOY | 5000 | 101152 | | |
| P17 | 2020 | CATERPILLAR | AP655 | CATAP655KMH600533X | | WARRRANTY |
| P18 | 2016 | CATERPILLAR | AP1000F | CATAP100CAC400245 | | |
| | | | | | | |
| <u>ASPHALT ROLLERS</u> | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL #</u> | | |
| 308 | 2004 | INGERSOLL RAND | DD12 | 179060 | | |
| 317 | 2005 | DYNAPAC | CC122C | 60117778 | | |
| 318 | 2005 | INGERSOLL RAND | DD30 | 181212 | | |
| 321 | 2003 | DYNAPAC | CC142 | 60212538 | | |
| 326 | 2006 | CAT | CB534D | CATCB534AEAA00478 | | |
| 328 | 2002 | INGERSOLL RAND | DD24 | 168999 | | |
| 329 | 2001 | INGRAM ROLLER | AE315C | 31510004 | | |
| 331 | 2002 | HYPAC | C784A | 109A22901528 | | |
| 332 | 2007 | INGERSOLL RAND | DD30 | 171589 | | |
| 334 | 2007 | CAT | CB534D | CATCB534KEAA00460 | | |
| 335 | 2015 | HAMM | HD12VV (48") | H2300303 | HM15021 | HM15021 |
| 336 | 2015 | HAMM | HD13VV (51") | H2012473 | HM14020 | HM14020 |
| 338 | 2017 | HAMM | HD14VV | H2310249 | | |
| 339 | 2017 | HAMM | HD12VV (48") | H2301068 | | |
| 340 | 2003 | HYPAC | HP C784 | | | |
| 341 | 2007 | HAMM | HD14VV | H1720216 | Casey Eng. | |

| | | | | | | |
|-------------------------|--|-------------|----------------|--------------|-------------------|--|
| 342 | | 2018 | HAMM | HD12VV | WGHOH200THAA09714 | |
| 343 | | 2012 | HAMM | HD14VV | H2010676 | |
| 345 | | 2018 | HAMM | HD14 | H2310402 | |
| 347 | | 2014 | VOLVO | DD120B | VCED120BV0S287040 | |
| 348 | | 2011 | VOLVO | DD138HF | VCE0D138P0S275531 | |
| 350 | | 2013 | VOLVO | DD120B | VCED120BK0S287003 | |
| 351 | | | DYNAPAC | CS151 | 204 | |
| 352 | | | DYNAPAC | CS151 | 210 | |
| 353 | | 2022 | CATERPILLAR | CB4 | 64900296 | |
| 354 | | 2006 | INGERSOLL RAND | DD-118HF | 188422 | |
| 355 | | 2021 | CATERPILLAR | CB34B | CATCB34BCXB401103 | |
| 356 | | 2008 | SAKAI | R2H-1 | RR4-50692 | |
| 357 | | 2007 | HYPAC | C784A | 901A22901670 | |
| 358 | | 2016 | CATERPILLAR | CB66B | CATCB66BHB6600125 | |
| 359 | | 2016 | CATERPILLAR | CB64B | CATCB64BTC5600186 | |
| 360 | | 2020 | CATERPILLAR | CB4.4 | CAT0CB44V65100101 | |
| 361 | | 2023 | CATERPILLAR | CB4.0 | CAT0CB40H64900467 | |
| 362 | | 2023 | CATERPILLAR | CB4.4 | CAT0CB44A65100231 | |
| 363 | | 2020 | CATERPILLAR | CB4.4 | CAT0CB44C65100100 | |
| 364 | | 2023 | CATERPILLAR | CB4.4 | CAT0CB44J65100242 | |
| | | | | | | |
| <u>SUBGRADE ROLLERS</u> | | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL #</u> | |
| 312 | | 1999 | INGERSOLL RAND | SD-70D | 152167 | |
| 325 | | 2006 | INGERSOLL RAND | SD70F | 150767 | |
| 327 | | 1998 | INGERSOLL RAND | SD100D | 145422 | |
| 346 | | 2010 | CATERPILLAR | CS54 | CAT0CS54JC5W00394 | |
| | | | | | | |
| <u>BLADES</u> | | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL #</u> | |
| 517 | | 2017 | CATERPILLAR | 12M3 | CAT0012MVN9F00675 | |
| | | | | | | |
| <u>DOZERS</u> | | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL #</u> | |
| 540 | | 2011 | JOHN DEERE | 700J | T0700JX136285 | |
| 518 | | 2020 | JOHN DEERE | 700K | 1T0700KXCKF362042 | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | | | | | | |
| <u>EXCAVATORS</u> | | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL #</u> | |
| 512 | | 2005 | JOHN DEERE | 200CLC | FF200CX506003 | |

| | | | | | | | |
|------------------------|--|--------------------|------------------------------|---------------------|--|------------------------|-----------------|
| 521 | | 1995 | GRADALL | XL4100 | | 418271 | |
| 547 | | 2012 | BOBCAT | E-80 | | Aetb12557 | |
| 515 | | 2012 | JOHN DEERE | 210G LC | | 1FF210GXKCE520020 | |
| 516 | | 2016 | GRADALL | XL4100 | | 4100000733 | |
| 519 | | 2003 | GRADALL | XL4100 | | 4100123 | |
| 522 | | 2014 | JOHN DEERE | 35G | | 1FF035GXTDK270809 | |
| 556 | | 2017 | JOHN DEERE | 210G LC | | 1FF210GXJHF52511 | |
| | | | | | | | |
| <u>GRINDERS</u> | | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | | <u>SERIAL #</u> | |
| 513 | | 2004 | WIRTGEN | W2000 | | 6200495 | |
| 545 | | 2012 | ZANETIS 24" GRINDER | | | | |
| 546 | | 2014 | ROADHOG 48" GRINDER | PCP48 | | 1306005 | |
| 549 | | 2008 | WIRTGEN | W2000 | | 6201038 | |
| 550 | | 2011 | WIRTGEN | W120F | | 8101004 | |
| 551 | | 2020 | WIRTGEN | W210Fi | | 23200181 | |
| 552 | | 2020 | ROADHOG 40" PLANER | CP40 | | 1408012PCP40EHG5 | |
| 555 | | 2021 | WIRTEGN | W210Fi | | WGW02320HWIA00354 | |
| | | | | | | | |
| <u>MISC.</u> | | <u>YEAR</u> | <u>MAKE</u> | <u>MODEL</u> | | <u>SERIAL #</u> | |
| 502 | | 2004 | JOHN DEERE | GATOR | | M00455C081034 | |
| 504 | | 2004 | LEEBOY | TACH DIST | | 828840 | |
| 509 | | | LEEBOY TACK DIST. | L250 | | 8Z8840 | |
| 520 | | | HYSTER | S60XM | | D187V15581W | |
| 523 | | | ATLAS COPCO (Air Compressor) | 185 | | PE4045D0031328 | |
| 524 | | | TEREX/COLEMAN (LIGHT) | MH4000RL | | RL6688 | |
| 525 | | | APOLLO 3 -Thermoplastic | | | 073080205 | |
| 527 | | | WANCO SIGN BOARD | WTSP90SAC | | 0818952 | |
| 529 | | | WALK BEHIND BROOM | LAYMOR 40' | | | |
| 530 | | | LITTLE WONDER | WALK BEHIND EDGER | | | |
| 531 | | | ALADDIN-Steam Cleaner | 12-4234 | | 106708 | |
| 533 | | | Asphalt Heater | | | | |
| 534 | | | Asphalt Heater | | | | |
| 535 | | | LEEBOY TACK DIST. 6 FT. | | | | |
| 537 | | | WALDON | | | NO SERIAL | Ritchie 3/28/19 |
| 538 | | | WATER TANK | SWEEPMASTER | | 20154 | |
| 550 | | | HYDRAUL. SKID BROOM 72" | 1000 GAL | | | |
| 551 | | | HYDRAUL SKID HAMMER | TRX HB750 | | | |

| | | | | | | | |
|-----|--|--|---------------------|---------------|--------|--|--|
| 552 | | | HYDRAUL SKID HAMMER | GORILLA GXS60 | | | |
| 553 | | | LEEBOY PRIME TACK | T250 | 144372 | | |

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Schroeder Asphalt Services, Inc.
PO Box 831
Huntley, IL 60142

SURETY:

(Name, legal status and principal place of business)

Hudson Insurance Company
100 William Street, 5th Floor
New York, NY 10038
Mailing Address for Notices
1411 Opus Place, Ste. 450
Downers Grove, IL 60515

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:

(Name, legal status and address)

Buffalo Grove Park District
530 Bernard Drive
Buffalo Grove, IL 60089

BOND AMOUNT: \$ 10% Ten Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)

Parkchester Park OSLAD Grant Development

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 31st day of January, 2024


(Witness)


(Witness) Graciela Hale

Schroeder Asphalt Services, Inc.
(Principal)

(Seal)

By: 
(Title) President

Hudson Insurance Company
(Surety)

(Seal)

By: 
(Title) James I. Moore Attorney-in-Fact



State of IL

County of DuPage

SURETY ACKNOWLEDGEMENT (ATTORNEY-IN-FACT)

I, Graciela Hale Notary Public of DuPage County, in the State of IL,

do hereby certify that James I. Moore Attorney-in-Fact, of the Hudson Insurance

Company who is personally known to me to be the same person whose

name is subscribed to the foregoing instrument, appeared before me this day in person, and

acknowledged that he signed, sealed and delivered said instrument, for and on behalf of the

Hudson Insurance Company for the uses and purposes therein set forth.

Given under my hand and notarial seal at my office in the City of Downers Grove in
said County, this 31st day of January, 2024.



Notary Public

Graciela Hale

My Commission expires: December 20, 2025



Bond Number: Bid Bond

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That HUDSON INSURANCE COMPANY, a corporation of the State of Delaware, with offices at 100 William Street, New York, New York, 10038, has made, constituted and appointed, and by these presents, does make, constitute and appoint

James I. Moore
of the State of IL

its true and lawful Attorney(s)-in-Fact, at New York, New York, each of them alone to have full power to act without the other or others, to make, execute and deliver on its behalf, as Surety, bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking shall obligate said Company for any portion of the penal sum thereof in excess of the sum of **Twenty Five Million Dollars (25,000,000.00)**.

Such bonds and undertakings when duly executed by said Attorney(s)-in-Fact, shall be binding upon said Company as fully and to the same extent as if signed by the President of said Company under its corporate seal attested by its Secretary.

In Witness Whereof, HUDSON INSURANCE COMPANY has caused these presents to be of its Senior Vice President thereunto duly authorized, on this 2nd day of June, 2022 at New York, New York.



Attest Dina Daskalakis
Dina Daskalakis No. 01MU6067553
Corporate Secretary

HUDSON INSURANCE COMPANY

By Michael P. Cifone
Michael P. Cifone
Senior Vice President

STATE OF NEW YORK
COUNTY OF NEW YORK SS.

On the 2nd day of June, 2022 before me personally came Michael P. Cifone to me known, who being by me duly sworn did depose and say that he is a Senior Vice President of HUDSON INSURANCE COMPANY, the corporation described herein and which executed the above instrument, that he knows the seal of said Corporation, that the seal affixed to said instrument is such corporate seal, that it was so affixed by order of the Board of Directors of said Corporation, and that he signed his name thereto by like order.

(Notarial Seal)



Ann M. Murphy
ANN M. MURPHY
Notary Public, State of New York
No. 01MU6067553
Qualified in Nassau County
Commission Expires December 10, 2025

CERTIFICATION

STATE OF NEW YORK
COUNTY OF NEW YORK SS.

The undersigned **Dina Daskalakis** hereby certifies:

That the original resolution, of which the following is a true and correct copy, was duly adopted by unanimous written consent of the Board of Directors of Hudson Insurance Company dated July 27th, 2007, and has not since been revoked, amended or modified:

"RESOLVED, that the President, the Executive Vice Presidents, the Senior Vice Presidents and the Vice Presidents shall have the authority and discretion, to appoint such agent or agents, or attorney or attorneys-in-fact, for the purpose of carrying on this Company's surety business, and to empower such agent or agents, or attorney or attorneys-in-fact, to execute and deliver, under this Company's seal or otherwise, bonds obligations, and recognizances, whether made by this Company as surety thereon or otherwise, indemnity contracts, contracts and certificates, and any and all other contracts and undertakings made in the course of this Company's surety business, and renewals, extensions, agreements, waivers, consents or stipulations regarding undertakings so made; and

FURTHER RESOLVED, that the signature of any such Officer of the Company and the Company's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seal when so used whether heretofore or hereafter, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed."

THAT the above and foregoing is a full, true and correct copy of Power of Attorney issued by said Company, and of the whole of the original and that the said Power of Attorney is still in full force and effect and has not been revoked, and furthermore that the Resolution of the Board of Directors, set forth in the said Power of Attorney is now in force.

Witness the hand of the undersigned and the seal of said Corporation this 31st day of January, 2024.



By Dina Daskalakis
Dina Daskalakis, Corporate Secretary

Date: January 30, 2024

SECTION 00 90 01

**BIDDING AND CONTRACT REQUIREMENTS
ADDENDUM NUMBER 01**

Buffalo Grove Park District
530 Bernard Drive
Buffalo Grove, Illinois 60089
P. 847.850.2109

Distributed via:
EMAIL

To: Prospective Bidders
Re: **ADDENDUM NUMBER 01 TO THE BIDDING DOCUMENTS FOR:**

**BUFFALO GROVE PARK DISTRICT
Parkchester Park OSLAD Grant Development**

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents dated January 10, 2024. Acknowledge receipt of this addendum in the space provided on Bid Form.
FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

I. PART 1 - ADDENDUM TO THE PROJECT MANUAL

- A. Specification Section 32 3113 Chain Link Fence
 - 1. 2.4 Line Posts, shall be 2 1/2" O.D.
 - 2. 2.5 Gate Posts / Terminal Posts shall be 3" O.D.
- B. Bid Proposal reissue, Add item #25, 12" Storm Sewer RCP.

II. PART 2 - ADDENDUM TO THE DRAWINGS

- A. The critical fall heights of the playground equipment are as follows:
 - 1. 5-12 Play structure – 8'-0"
 - 2. Swings – 8'-0"
 - 3. Sport Climber – 8'-0"
 - 4. Wee Planet – 5'-0"
 - 5. Curva Spinner – 4'-0"
 - 6. Double Bobble Rider SB – 4'-0"
 - 7. OmiSpin Spinner – 4'-0"
 - 8. Roller Table – 4'-0"

III. PART 3 – VIRTUAL BID OPEN INFORMATION

You are invited to a Zoom webinar.
When: Jan 31, 2024 11:00 AM Central Time (US and Canada)
Topic: Parkchester Park Bid Open

Please click the link below to join the webinar:
<https://us02web.zoom.us/j/81740514866>

Or One tap mobile :
+16465588656,,81740514866# US (New York)
+16469313860,,81740514866# US

Or Telephone:
Dial(for higher quality, dial a number based on your current location):
+1 646 558 8656 US (New York)

+1 646 931 3860 US
+1 669 444 9171 US
+1 669 900 9128 US (San Jose)
+1 689 278 1000 US
+1 719 359 4580 US
+1 253 205 0468 US
+1 253 215 8782 US (Tacoma)
+1 301 715 8592 US (Washington DC)
+1 305 224 1968 US
+1 309 205 3325 US
+1 312 626 6799 US (Chicago)
+1 346 248 7799 US (Houston)
+1 360 209 5623 US
+1 386 347 5053 US
+1 507 473 4847 US
+1 564 217 2000 US
Webinar ID: 817 4051 4866
International numbers available: <https://us02web.zoom.us/j/kdbnbrelXZ>

END OF SECTION

This addendum consists of 1 page plus attachments.

SCHROEDER

ASPHALT SERVICES, INC.

PO BOX 831
HUNTLEY, IL 60142

PHONE: 815-923-4380
FAX: 815-923-4389

Bill To

BUFFALO GROVE PARK DISTRICT
530 BERNARD DRIVE
BUFFALO GROVE, IL 60089

Invoice

| Date | Invoice # |
|------------|-----------|
| 12/10/2024 | 2024-468 |

| Project |
|--------------------------|
| Parkchester Park - 24020 |

| Description | Unit | Quantity | Unit Price | Amount |
|--------------------|------|----------|-------------------------|---------------------|
| Pay Est #4 | | 1 | 178,295.00 | 178,295.00 |
| Less 10% Retention | | 1 | -17,829.50 | -17,829.50 |
| | | | Total | \$160,465.50 |
| | | | Payments/Credits | \$0.00 |
| | | | Balance Due | \$160,465.50 |

Parkchester Park OSLAD Grant Development

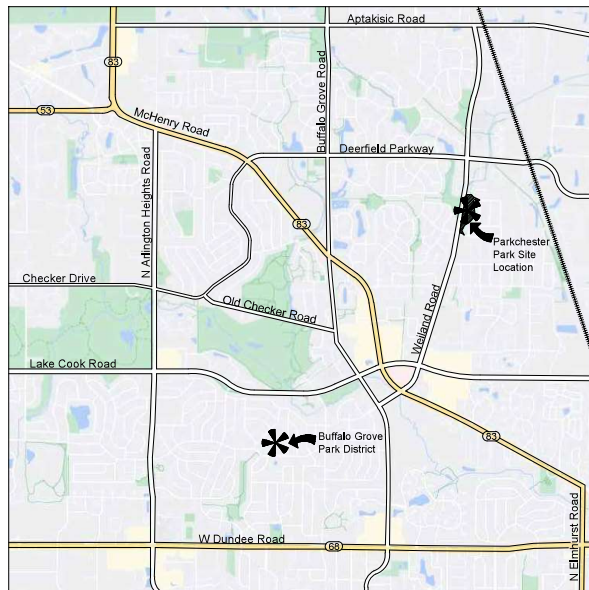
851 Weiland Road, Buffalo Grove, Illinois 60089



BUFFALO
GROVE
PARK
DISTRICT

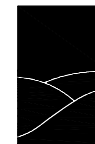
Buffalo Grove Park District
530 Bernard Drive
Buffalo Grove, IL 60089

Partially Funded by Illinois Department of Natural Resources
OSLAD Grant No. OS 22-2215



Parkchester Park
LOCATION MAP

SCALE: not to scale



uplandDesign Ltd

Landscape Architecture & Park Planning
1229 N. North Branch St, #220A, Chicago, IL 60642
24042 Lockport St, Plainfield, IL 60544
312-350-4088 | 815-254-0091 uplandDesign.com

IL License 060-007797



Mackie Consultants, LLC
2075 N. Higgins Road, Suite 500
Rosemont, IL 60018
630-580-1800
www.mackieconsultants.com

SURVEYOR & CIVIL ENGINEER:

Mackie Consultants
9575 W. Higgins Road Suite 500
Rosemont, IL 60018
IL License 035-004077

WETLAND CONSULTING:

Hey and Associates, Inc.
8755 W. Higgins Road Suite 835
Chicago, IL 60631
IL License 062-064540

SHEET INDEX

- 1.0 Title Sheet
- 2.0 Existing Conditions & Removals Plan - South
- 2.1 Existing Conditions & Removals Plan - North
- 2.2 Stormwater Pollution Prevention Plan
- 3.0 Layout Plan - South
- 3.1 Layout Plan - North
- 4.0 Dimension Plan - South
- 4.1 Dimension Plan - North
- 4.2 Dimension Plan - Equipment
- 5.0 Grading Plan - South
- 5.1 Grading Plan - North
- 5.2 Utility Plan - South
- 5.3 Utility Plan - North
- 6.0 Landscape Plan
- 6.1 Landscape Plan - Seed Mix
- 7.0 Construction Details
- 7.1 Construction Details
- 7.2 Construction Details
- 7.3 Construction Details
- 7.4 Construction Details
- 8.0 Civil Engineering - Project Specifications



800.892.0123



530 Bernard Drive
Buffalo Grove, Illinois 60089
Phone: 847-850-2100

PROJECT

**Parkchester
Park OSLAD
Grant
Development**

851 Weiland Road
Buffalo Grove
Illinois 60089

This project has been prepared by and
reviewed by Licensed Landscape Architects.
Michelle A. Kelly # 157.001002
Heath A. Wright # 157.000894
Maria Blood # 157.001511
SF/Designer Initials

ORIGINAL ISSUE DATE
Issue for Bid 10JAN2024

REVISIONS

| | |
|--|----------------------|
| | NOT FOR CONSTRUCTION |
| | |
| | |
| | |
| | |

PROJECT NUMBER **1183**

PROJECT NAME

**Parkchester
Park**

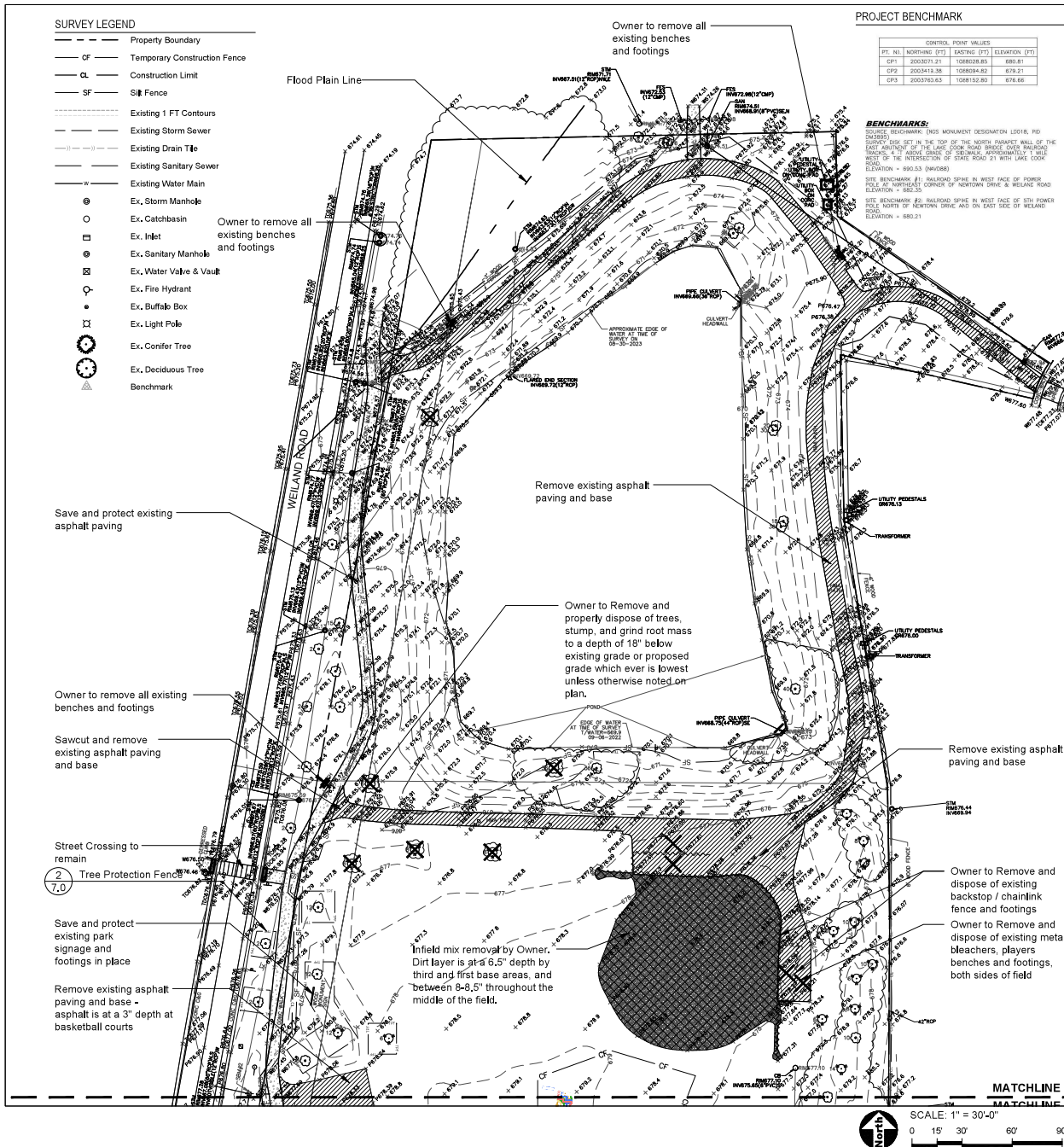
SHEET TITLE

Title Sheet

SHEET NUMBER

1.0

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GENERAL NOTES: EXISTING CONDITIONS & REMOVALS

- See Sheet 2.0 for Existing Conditions and Removals Notes.

REMOVALS LEGEND

- Remove and Dispose of Existing Infield Mix
- Remove and Dispose of Existing Asphalt Paving
- Remove and Dispose of Existing Concrete Paving
- Remove and Dispose of Existing Fence
- Remove and Dispose of Item as Marked
- Construction Limits
- Construction Fence
- Silt Fence
- Tree Protection Fence



530 Bernard Drive
Buffalo Grove, IL 60089
Phone: 847-850-2100

PROJECT

Parkchester Park OSLAD Grant Development

851 Weiland Road
Buffalo Grove
Illinois 60089

PROJECT TEAM

uplandDesign Ltd
Landscape Architecture & Park Planning
Chicago, Illinois 312-350-4088
Plainfield, Illinois 815-254-2091
uplanddesign.com

SURVEYOR & CIVIL ENGINEER
Mackie Consultants
9575 W. Higgins Road Suite 500
Rosemont, IL 60018
IL License 035-004077

WETLAND CONSULTING
Hey and Associates, Inc.
8755 W. Higgins Road Suite 835
Chicago, IL 60631
IL License 184-002429

ORIGINAL ISSUE DATE

Issue for Bid 10JAN2024

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| NO. | DATE | DESCRIPTION |
|-----|-----------|----------------------|
| 1 | 10JAN2024 | NOT FOR CONSTRUCTION |

PROJECT NUMBER 1183

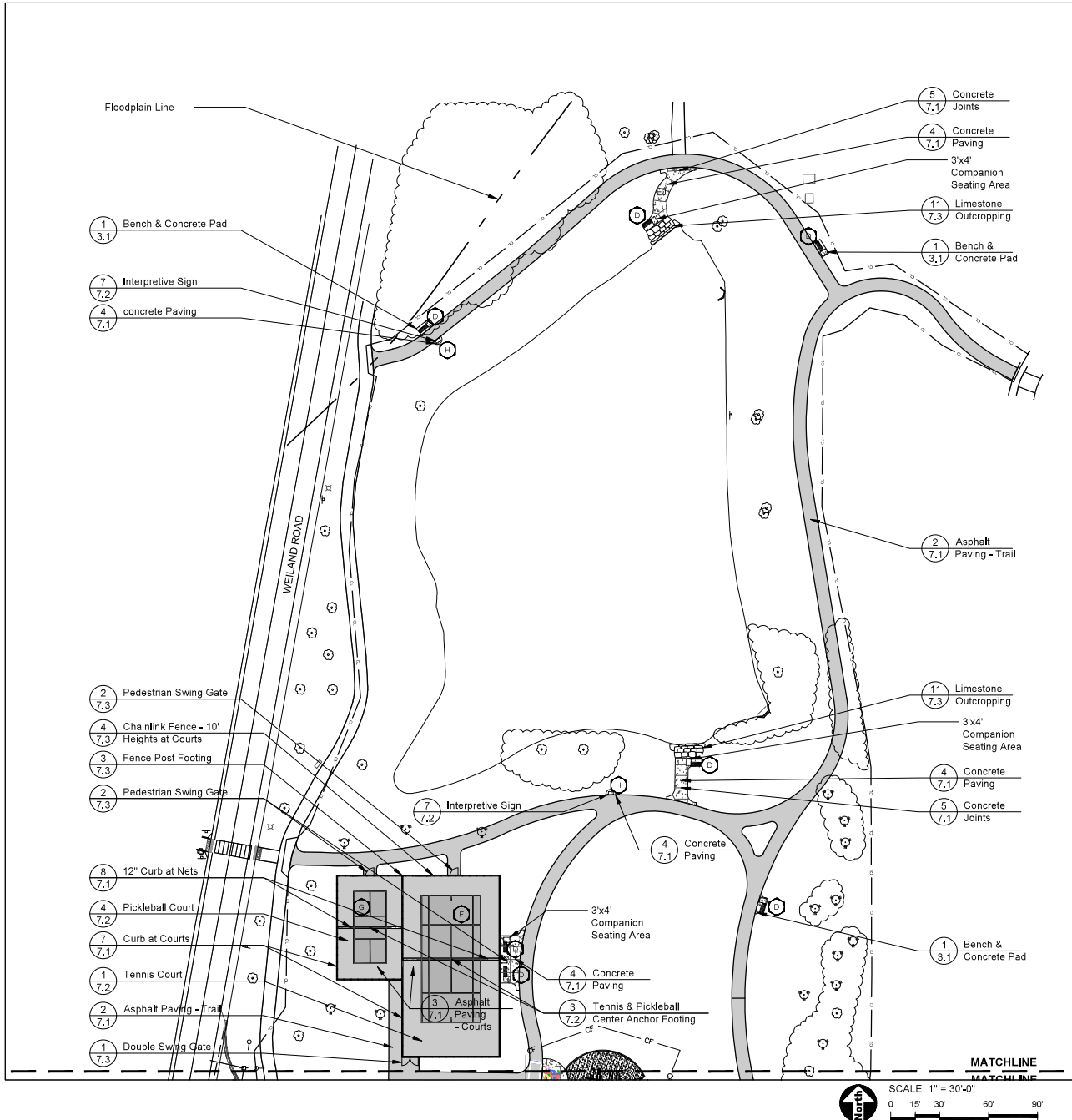
SHEET TITLE

Existing Conditions & Removals Plan - North

SHEET NUMBER

2.1

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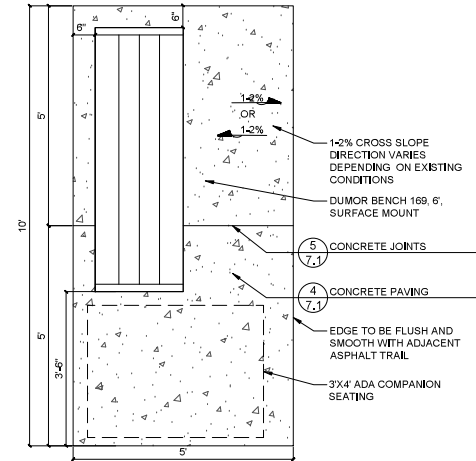


GENERAL NOTES: LAYOUT

- See Sheet 3.0 for Layout Notes.

REFERENCED SPECIFICATIONS AND CODES

- See Sheet 3.0 for Specifications and Codes.



1 Bench & Concrete Pad
SCALE: N.T.S.

d-bench_pad_8

LEGEND

- Concrete Paving
- Asphalt Paving
- Poured in Place Surfacing
- EJ Concrete Expansion Joints
- Construction Fence
- Construction Limits



530 Bernard Drive
Buffalo Grove, IL 60089
Phone: 847-850-2100

PROJECT

Parkchester Park OSLAD Grant Development

851 Weiland Road
Buffalo Grove
Illinois 60089

PROJECT TEAM

uplandDesign Ltd
Landscape Architecture & Park Planning
Chicago, Illinois 312-350-4088
Plainfield, Illinois 815-254-2091
uplandDesign.com

SURVEYOR & CIVIL ENGINEER
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WETLAND CONSULTING
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IL License 184-002429

ORIGINAL ISSUE DATE

Issue for Bid 10JAN2024

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|-----------|----------------------|
| 1 | 10JAN2024 | ISSUE FOR BID |
| 2 | | NOT FOR CONSTRUCTION |

PROJECT NUMBER **1183**

SHEET TITLE

Layout Plan - North

SHEET NUMBER

3.1

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Point of Beginning 1 is at the back of the 90 degree corner of the existing concrete sidewalk in the southeast. Layout Line A runs north-south along the existing concrete walk. Layout Line B runs perpendicular to Layout Line A

- GENERAL NOTES: DIMENSION
1. Layout of equipment is to center of post.
 2. Layout play equipment with safety zones to be stated by the Contractor for review by Owner's Representative prior to play equipment installation.
 3. Paving radii shall be formed completely and shall smoothly transition into tangents and adjoining lines. Dimensions are to face of curb and edge of pavement unless otherwise specified.
 4. Dimensions are in feet or degrees. Dimensions are perpendicular & parallel unless otherwise noted.
 5. See Layout Plan, Sheet 3.0 for additional general notes and referenced specifications and codes.
 6. Contractor shall perform all construction layout for the project. Contractor will be provided with an electronic file in AutoCAD format to assist with layout. Neither the Owner nor their representative shall be responsible for setting additional layout points.

LEGEND

| | |
|--|---------------------------|
| | Concrete Paving |
| | Asphalt Paving |
| | Poured in Place Surfacing |
| | Concrete Expansion Joints |
| | Construction Limits |

530 Bernard Drive
Buffalo Grove, IL 60089
Phone: 847-850-2100

PROJECT

Parkchester Park OSLAD Grant Development

851 Welland Road
Buffalo Grove
Illinois 60089

PROJECT TEAM

uplandDesign Ltd
Landscape Architecture & Park Planning
Chicago, Illinois 312-350-4088
Plainfield, Illinois 815-254-2091
uplandDesign.com

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IL License 035-004077

WETLAND CONSULTING
Hey and Associates, Inc.
8755 W. Higgins Road Suite 835
Chicago, IL 60631
IL License 184-002429

ORIGINAL ISSUE DATE
Issue for Bid 10JAN2024

| REVISIONS | |
|-----------|----------------------|
| NO | REVISION |
| 1 | ISSUE FOR BID |
| 2 | NOT FOR CONSTRUCTION |
| 3 | |
| 4 | |
| 5 | |

PROJECT NUMBER **1183**

SHEET TITLE

Dimension Plan - South

SHEET NUMBER

4.0



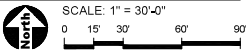
- GENERAL NOTES: GRADING
1. Finished surfaces to be smooth and even with no abrupt or awkward changes in grade. Paving to meet adjacent grades flush and smooth.
 2. Contractor shall restore all areas disturbed as a result of construction.
 3. All walks, drives and paved areas are to follow ADA per incorporated specifications. Any deviation shall be removed and reinstalled to follow this law.
 4. All Accessible Route paving shall not exceed 4.5% in any direction. Cross slopes shall be less than 2%. Contractor shall slope all walks and drives to eliminate ponding. ADA Turning Radius paving shall be less than 2% in all directions.
 5. This work shall include the excavation, stockpile, and placement of topsoil and suitable excavated material along with removal of all excess topsoil and debris off site and dispose of legally.
 6. Follow the Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control. IEPA Standards and Specifications for Soil Erosion and Sedimentation Control, and U.S. Soil Conservation Service Field Engineering Handbook.
 7. Transitions between paving types (i.e. concrete to asphalt) shall be smooth. Transitions not to exceed 1/8" vertical or horizontal difference.
 8. No soils may be deposited nor grades adjusted which are not shown here or approved by Owner's Representative. DO NOT FILL IN FLOODPLAIN.

LEGEND

| | |
|-----------------|--|
| ----- 681 ----- | Existing Contour Line |
| ----- 681 ----- | Proposed Contour Line |
| + 685.35 | Existing Spot Elevation |
| + 689.66 | Proposed Spot Elevation |
| 2% | Drainage Flow Direction |
| CL | Construction Limits / Construction Fence |

INDEX OF ACRONYMS AND ABBREVIATIONS

| | |
|-----|----------------------------|
| INV | - Pipe Invert Elevation |
| ME | - Match Existing Elevation |
| RIM | - Top of Rim Elevation |
| TC | - Top of Curb |
| TP | - Top of Pavement |
| TS | - Top of Play Surface |



530 Bernard Drive
Buffalo Grove, IL 60089
Phone: 847-850-2100

PROJECT

**Parkchester
Park OSLAD
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851 Weiland Road
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PROJECT TEAM

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Chicago, IL 60631
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ORIGINAL ISSUE DATE
Issue for Bid 10JAN2024

REVISIONS

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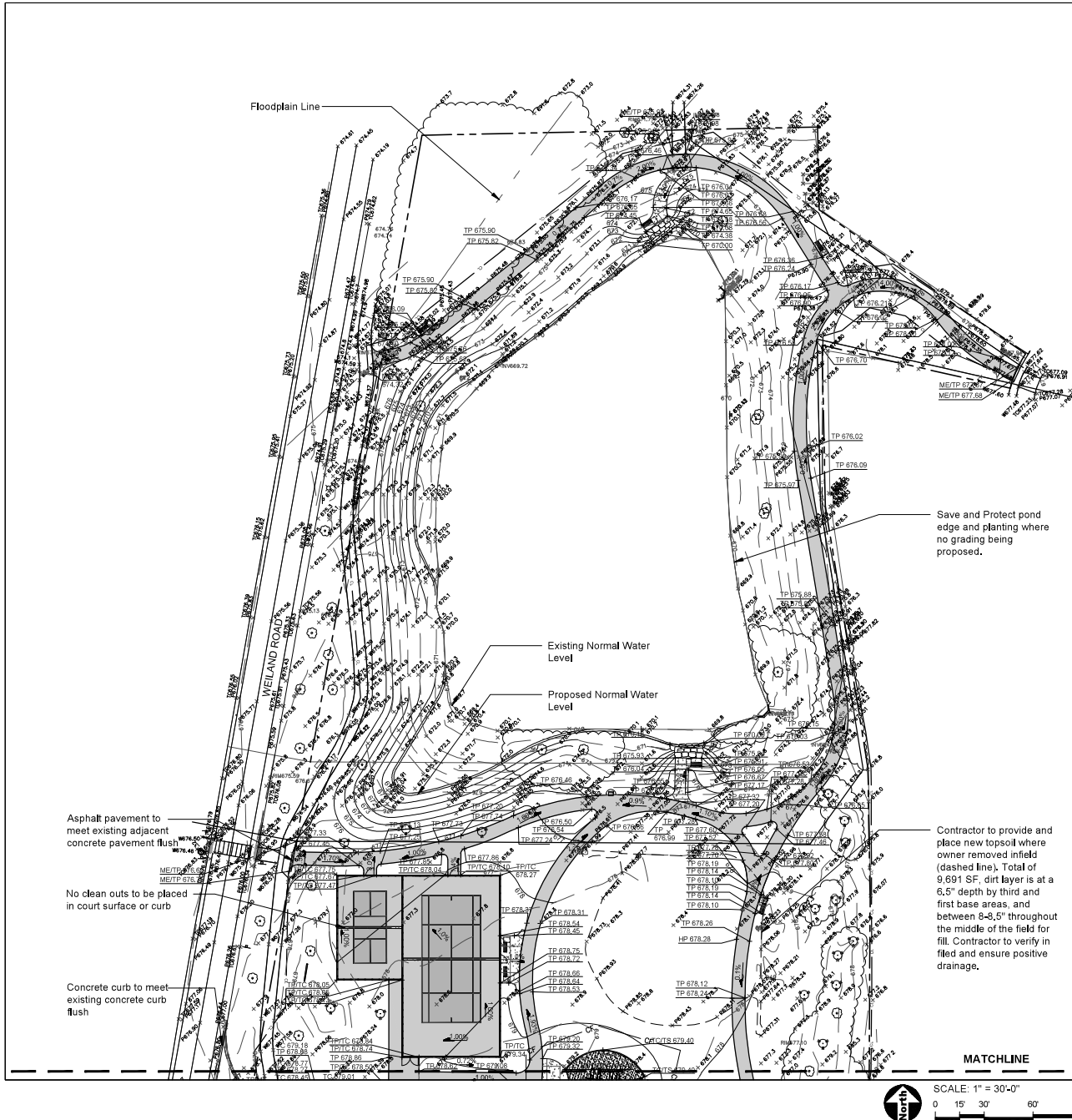
SHEET TITLE

**Grading Plan -
South**

SHEET NUMBER

5.0

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GENERAL NOTES: GRADING

- See Sheet 5.0 for Notes



530 Bernard Drive
Buffalo Grove, IL 60089
Phone: 847-850-2100

PROJECT

Parkchester Park OSLAD Grant Development

851 Welland Road
Buffalo Grove
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PROJECT TEAM



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WETLAND CONSULTING

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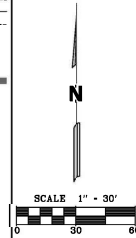
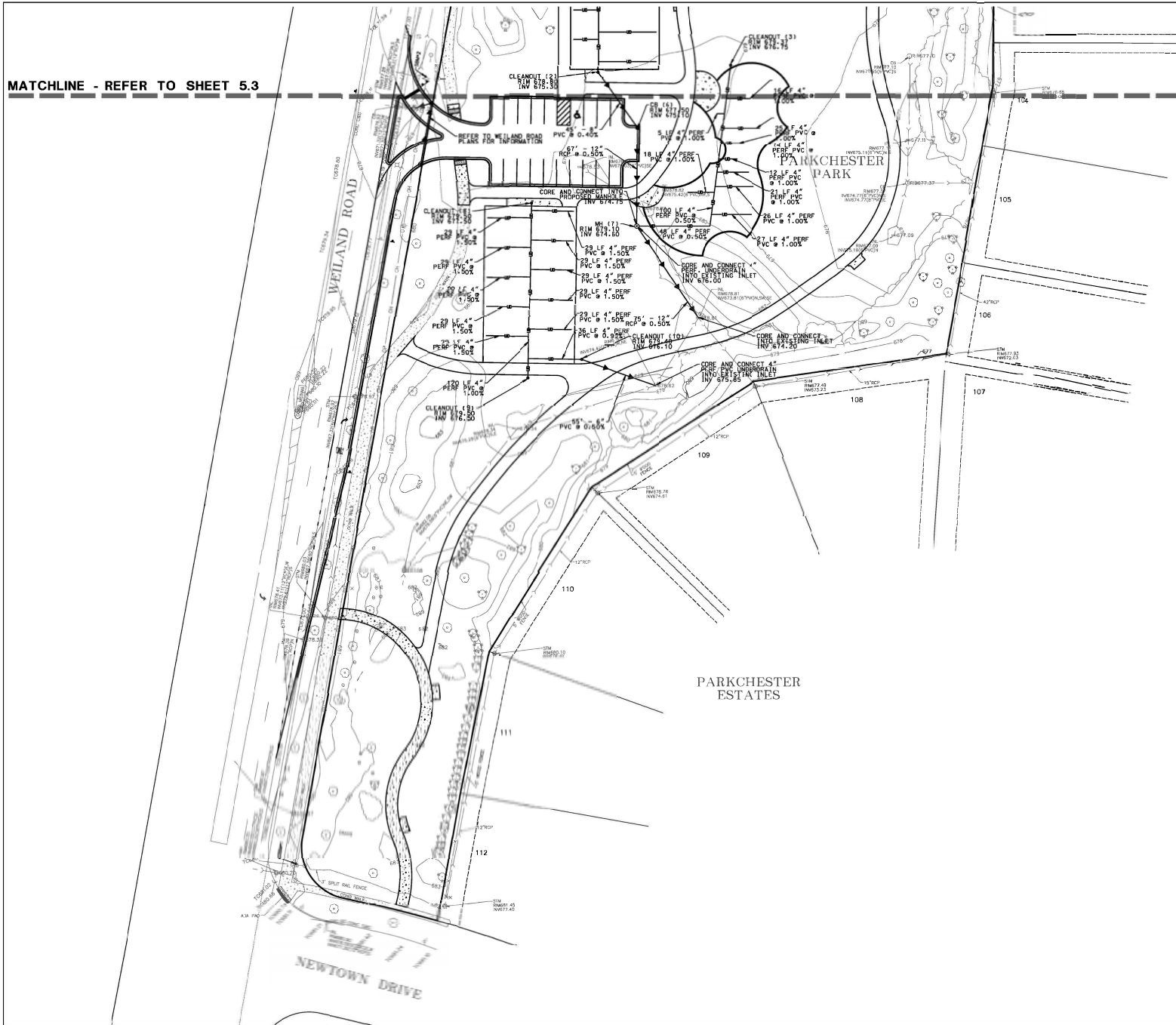
Grading Plan - North

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MATCHLINE - REFER TO SHEET 5.3



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PROJECT
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851 Weiland Road
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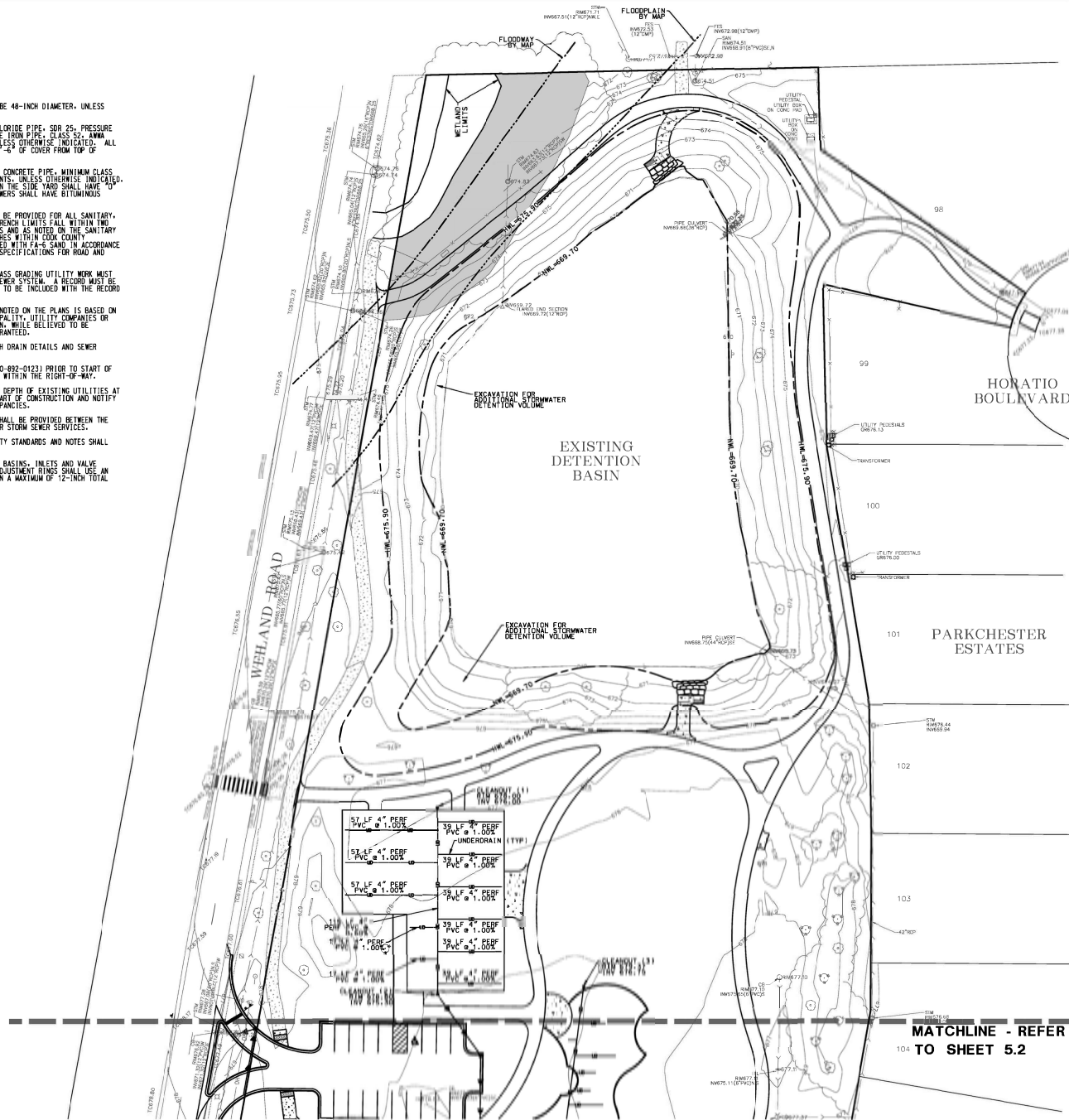
**Utility Plan -
South**

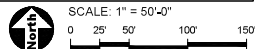
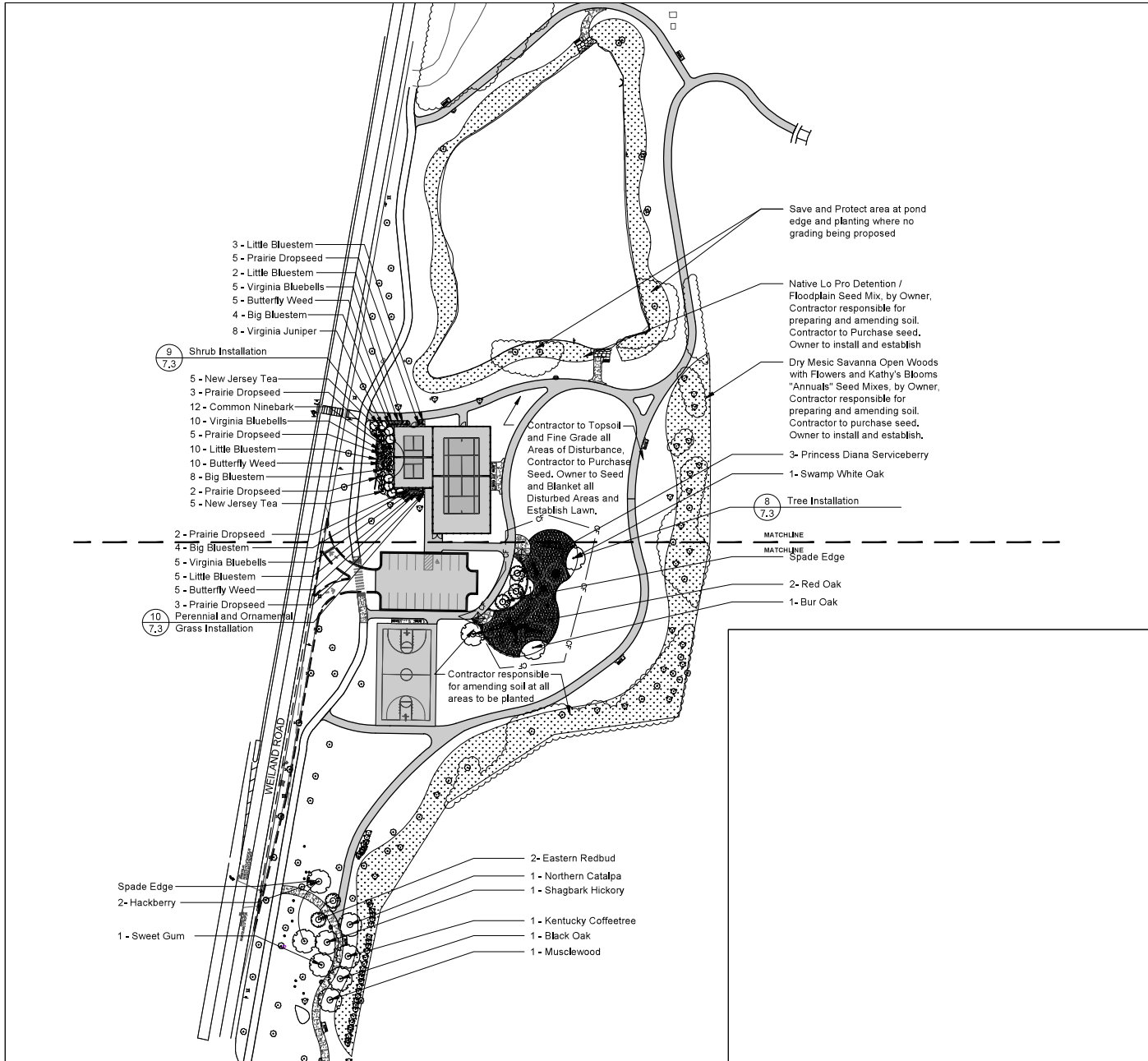
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5.2

UNDERGROUND UTILITY GENERAL NOTES

1. ALL MANHOLES AND CATCH BASINS SHALL BE 48-INCH DIAMETER, UNLESS OTHERWISE INDICATED.
2. ALL WATER MAIN SHALL BE POLYVINYL CHLORIDE PIPE, SDR 25, PRESSURE CLASS 180 PSI, 48" OR 60" OR DUCTILE IRON PIPE, CLASS 52, 48" OR 60" WITH "BUSH-ON" TYPE JOINTS, UNLESS OTHERWISE INDICATED. ALL WATER MAIN SHALL HAVE A MINIMUM OF 5'-6" OF COVER FROM TOP OF WATERMAIN TO FINISHED GRADE.
3. ALL STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE, MINIMUM CLASS 111, WITH ASTM C76 PIPE AND C443 JOINTS, UNLESS OTHERWISE INDICATED. ALL STORM SEWERS WHICH ARE LOCATED IN THE SIDE YARD SHALL HAVE "BUSH-ON" RING GASKETED JOINTS. ALL OTHER SEWERS SHALL HAVE BITUMINOUS MASTIC JOINTS.
4. GRANULAR TRENCH BACKFILL, 10A-6 SHALL BE PROVIDED FOR ALL SANITARY, WATER AND STORM UTILITIES WHEN THE TRENCH LIMITS FALL WITHIN TWO FEET OF STREETS, SIDEWALKS, DRIVEWAYS AND AS NOTED ON THE SANITARY TRENCH DETAIL ON PAGE 2. ALL TRENCHES WITHIN COOK COUNTY RIGHT-OF-WAY MUST BE TRENCH BACKFILLED WITH FA-6 SAND IN ACCORDANCE WITH ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
5. ALL DRAIN TILES ENCOUNTERED DURING MASS GRADING UTILITY WORK MUST BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM. A RECORD MUST BE KEPT OF ANY DRAIN TILE ENCOUNTERED, TO BE INCLUDED WITH THE RECORD DRAWINGS.
6. ALL UNDERGROUND UTILITY INFORMATION NOTED ON THE PLANS IS BASED ON INFORMATION OBTAINED FROM THE MUNICIPALITY, UTILITY COMPANIES OR FIELD MEASUREMENTS. THIS INFORMATION, WHILE BELIEVED TO BE COMPLETE AND ACCURATE, CANNOT BE GUARANTEED.
7. SEE ARCHITECTURAL DRAWINGS FOR TRENCH DRAIN DETAILS AND SEWER CONNECTION LOCATIONS.
8. CONTRACTOR SHALL CONTACT JULIE (1-800-892-0123) PRIOR TO START OF CONSTRUCTION TO LOCATE ALL UTILITIES WITHIN THE RIGHT-OF-WAY.
9. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES AT ALL PROPOSED CONNECTIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY THE ENGINEER AND OWNER OF ANY DISCREPANCIES.
10. A TEN (10) FOOT MINIMUM SEPARATION SHALL BE PROVIDED BETWEEN THE WATERMAIN SERVICE AND THE SANITARY OR STORM SEWER SERVICES.
11. IN CASE OF CONFLICTS, THE MUNICIPALITY STANDARDS AND NOTES SHALL TAKE PRECEDENCE.
12. EXISTING OR PROPOSED MANHOLES, CATCH BASINS, INLETS AND VALVE VAULTS REQUIRING OVER 12-INCHES OF ADJUSTMENT RINGS SHALL USE AN ADDITIONAL BASEL SECTION TO MAINTAIN A MAXIMUM OF 12-INCH TOTAL ADJUSTMENT RING DEPTH.

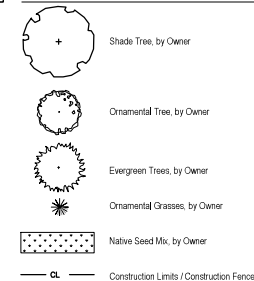




Plant List - Purchase and Install by Owner

| PLANT LIST | | | |
|--|-----------------|---|-----------------------------|
| QTY | SIZE | BOTANICAL NAME | COMMON NAME |
| Shade Trees - Balled and Burlap | | | |
| 1 | 2.5' cal | <i>Carpinus caroliniana</i> | Hamamelis |
| 1 | 2.5' cal | <i>Carya ovata</i> | Shagbark Hickory |
| 1 | 2.5' cal | <i>Catalpa speciosa</i> | Northern Catalpa |
| 2 | 2.5' cal | <i>Celtis occidentalis</i> | Hackberry |
| 1 | 2.5' cal | <i>Gymnocladia dioica</i> | Kentucky Coffeetree |
| 1 | 2.5' cal | <i>Liquidambar styraciflua</i> | Sweetgum |
| 1 | 2.5' cal | <i>Quercus bicolor</i> | Swamp White Oak |
| 1 | 2.5' cal | <i>Quercus macrocarpa</i> | Bur Oak |
| 2 | 2.5' cal | <i>Quercus rubra</i> | Red Oak |
| 1 | 2.5' cal | <i>Quercus velutina</i> | Black Oak |
| 12 | | | |
| Evergreen Trees - Balled and Burlap | | | |
| 8 | 8' ft. | <i>Juniperus virginiana</i> | Virginia Juniper |
| 8 | | | |
| Ornamental Trees - Balled and Burlap | | | |
| 3 | 6' ft. | <i>Amelanchier grandiflora</i> Princess Diana | Princess Diana Serviceberry |
| 2 | 6' ft. | <i>Cercis canadensis</i> | Eastern Redbud |
| 5 | | | |
| Deciduous Shrubs - Balled and Burlap or Pot | | | |
| 10 | 24" H. x 24" W. | <i>Eleocharis acicularis</i> | New Jersey Tea |
| 12 | 24" H. x 24" W. | <i>Physocarpus opulifolius</i> | Common Ninebark |
| 22 | | | |
| Perennials & Ornamental Grasses - Pot | | | |
| 15 | #1 Cont. | <i>Andropogon gerardii</i> | Big Bluestem |
| 20 | #1 Cont. | <i>Aster sp.</i> | Butterfly Weed |
| 20 | #1 Cont. | <i>Merensia virginica</i> | Virginia Bluebells |
| 20 | #1 Cont. | <i>Schizanthus luteum</i> | Little Bluestem |
| 20 | #1 Cont. | <i>Sporobolus heterostachyus</i> | Prairie Dropseed |
| 95 | | | |

LEGEND



Note: See Sheet L7.3 for Landscape Details, and see specifications for the seed mix information.



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PROJECT

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PROJECT NUMBER 1183

SHEET TITLE

Landscape Plan

SHEET NUMBER

6.0

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NATIVE LOW-PROFILE DETENTION/FLOODPLAIN SEED MIX

| BOTANICAL NAME | COMMON NAME | PURE LIVE SEED OZ/ACRE |
|----------------|-------------|------------------------|
|----------------|-------------|------------------------|

Graminoids, or Grasses, Sedges, Rushes, and Other Grasslike Plants

| | | |
|-------------------------|---------------------|-------|
| Agrostis gigantea | Red Top Grass | 8 |
| Agrostis stolonifera | Bent Grass | 24 |
| Carex Bebbii | Bebbs Sedge | 8 |
| Carex granularis | Meadow Sedge | 2 |
| Carex lupuliformis | Knobbed Hop Sedge | 1.008 |
| Carex scoparia | Pointed Broom Sedge | 5.008 |
| Carex stipata | Awlfruit Sedge | 1.008 |
| Carex vulpinoidea | Fox Sedge | 8 |
| Cyperus esculentus | Field Nut Sedge | 1.008 |
| Echinochloa crusgalli | Barnyard Grass | 40 |
| Eleocharis obtusa | Blunt Spike Rush | 0.24 |
| Elymus canadensis | Canada Wild Rye | 16 |
| Elymus virginicus | Virginia Wild Rye | 32 |
| Glyceria striata | Fowl Manna Grass | 2 |
| Juncus effusus | Common Rush | 0.24 |
| Juncus tenuis | Slender Rush | 0.24 |
| Juncus torreyi | Torreys Rush | 0.24 |
| Leersia oryzoides | Rice Cut Grass | 3.008 |
| Panicum dichotomiflorum | Knee Grass | 4 |
| Poa palustris | Marsh Blue Grass | 4 |
| Schoenoplectus pungens | Chairmakers Rush | 10 |
| Scirpus atrovirens | Dark Green Rush | 12 |
| Scirpus pendulus | Red Bulrush | 2 |
| Total | | 184 |

Forbs

| | | |
|-------------------------------|-----------------------|-------|
| Alisma subcordatum | Common Water Plantain | 6 |
| Asclepias incarnata | Swamp Milkweed | 3.008 |
| Bidens cernua | Nodding Bur Marigold | 5.008 |
| Bidens frondosa | Common Beggarstick | 2 |
| Boehmeria cylindrica | False Nettle | 0.24 |
| Boltonia asteroides | False Aster | 1.008 |
| Helenium autumnale | Sneezeweed | 1.504 |
| Mimulus ringens | Monkey Flower | 0.496 |
| Penthorum sedcoices | Ditch Stenecrop | 0.096 |
| Sagittaria latifolia | Common Arrowhead | 1.008 |
| Symphoricaricum lanceolatum | Panicled Aster | 0.496 |
| Symphoricaricum novae-angliae | New England Aster | 2 |
| Teucrium canadense | Germander | 0.496 |
| Verbena hastata | Blue Vervain | 16 |
| Total | | 39.36 |

DRY MESIC SAVANNA OPEN WOODS WITH FLOWERS

| BOTANICAL NAME | COMMON NAME | PURE LIVE SEED OZ/ACRE |
|----------------|-------------|------------------------|
|----------------|-------------|------------------------|

Graminoids, or Grasses, Sedges, Rushes, and Other Grasslike Plants

| | | |
|-------------------------|-------------------|--------|
| Agrostis perennans | Upland Bent Grass | 0.496 |
| Bromus latiglumis | Earleaf Brome | 0.24 |
| Carex brevior | Shorter Sedge | 4 |
| Diarrhena americana | Beak Grass | 0.496 |
| Elymus canadensis | Canada Wild Rye | 16 |
| Elymus hystrix | Bottlebrush Grass | 0.496 |
| Elymus villosus | Silky Wild Rye | 48 |
| Elymus virginicus | Virginia Wild Rye | 16 |
| Festuca subverticillata | Nodding Fescue | 4 |
| Glyceria striata | Fowl Manna Grass | 0.992 |
| Juncus dudleyi | Dudleys Rush | 0.992 |
| Total | | 91.712 |

Forbs

| | | |
|------------------------------|------------------------------|--------|
| Agastache nepetoides | Yellow Giant Hyssop | 0.256 |
| Agastache scrophulariaefolia | Purple Giant Hyssop | 0.256 |
| Anemone virginiana | Tall Anemone | 0.496 |
| Aquilegia canadensis | Columbine | 0.096 |
| Baccharis lactea | White Indigo | 2 |
| Campanulastrum americana | Tall Bellflower | 0.096 |
| Clematis virginiana | Virgins Bower | 0.496 |
| Echinacea purpurea | Purple Coneflower | 16 |
| Eurochium purpureum | Purple Joe-pye-weed | 0.496 |
| Hypericum ascyron | Great St Johnswort | 0.256 |
| Lobelia siphilitica | Great Blue Lobelia | 0.256 |
| Maianthemum racemosum | Feathery False Solomons Seal | 0.096 |
| Penslerion digitalis | Foxglove Beardtongue | 2 |
| Polygonatum biflorum | Smooth Solomons Seal | 0.256 |
| Pycnanthemum pilosum | Hairy Mt Mint | 0.256 |
| Pycnanthemum tenuifolium | Slender Mt Mint | 1.504 |
| Ratibola pinnata | Yellow Coneflower | 3.008 |
| Rosa blanda | Early Wild Rose | 0.24 |
| Rudbeckia hirta | Black-eyed Susan | 4 |
| Rudbeckia triloba | Brown-eyed Susan | 2 |
| Silphium integrifolium | Rosinweed | 2 |
| Silphium perfoliatum | Cup Plant | 2 |
| Solidago juncea | Early Goldenrod | 1.504 |
| Solidago ulmifolia | Elmleaf Goldenrod | 3.008 |
| Symphoricaricum drummondii | Drummonds Aster | 1.008 |
| Symphoricaricum lateriflorum | Calico Aster | 0.496 |
| Symphoricaricum shortii | Shorts Aster | 3.008 |
| Symphoricaricum urophyllum | Arrowleaf Aster | 0.992 |
| Teucrium canadense | Germander | 0.992 |
| Tradescantia ohioensis | Orch Spiderwort | 0.256 |
| Verbena hastata | Blue Vervain | 1.008 |
| Verbena urticifolia | White Vervain | 1.008 |
| Veronicastrum virginicum | Culvers Physic | 0.496 |
| Zizia aurea | Golden Alexander | 0.992 |
| Total | | 52.832 |

KATHY'S BLOOMERS "ANNUALS" MIX

| BOTANICAL NAME | COMMON NAME | PURE LIVE SEED OZ/ACRE |
|----------------|-------------|------------------------|
|----------------|-------------|------------------------|

Forbs

| | | |
|--------------------------------------|--------------------------|------|
| Chamaecrista fasciculata | Parridge Pea | 3.36 |
| Coreopsis lanceolata | Lanceleaf Coreopsis | 7.2 |
| Cosmos sulphureus | Yellow Cosmos | 6.24 |
| Desmanthus illinoensis | Illinois Sensitive Plant | 4.8 |
| Echinacea purpurea | Purple Coneflower | 5.28 |
| Gaillardia ulchella | Indian Blanket | 3.84 |
| Linum perenne v. lewisii | Blue Flax | 3.36 |
| Lupinus perennis | Wild Lupine | 3.36 |
| Fatibida columnifera | Prarie Coneflower | 1.44 |
| Fatibida columnifera pulcherrima | Mexican Hat | 1.44 |
| Rudbeckia hirta | Black-eyed Susan | 5.28 |
| Genesis Native Perennial Midwest Mix | | 2.4 |
| Total | | 48 |



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PROJECT

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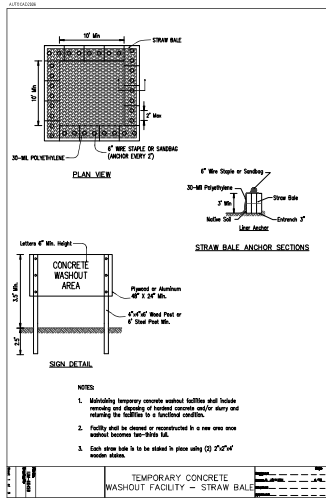
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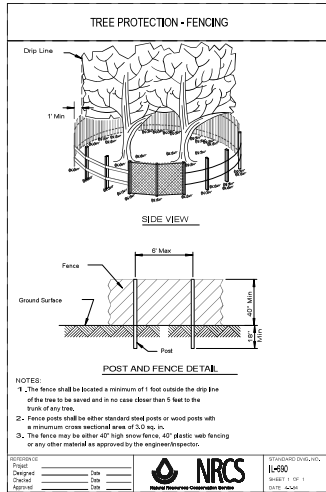
Landscape Plan - Seed Mix

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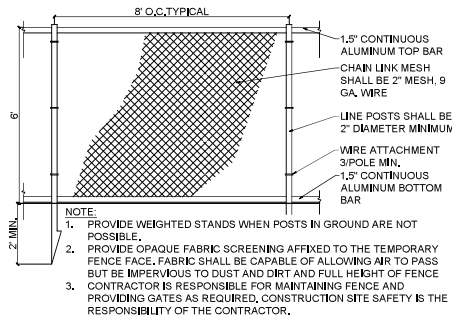
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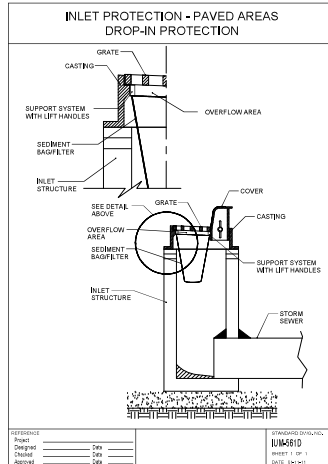
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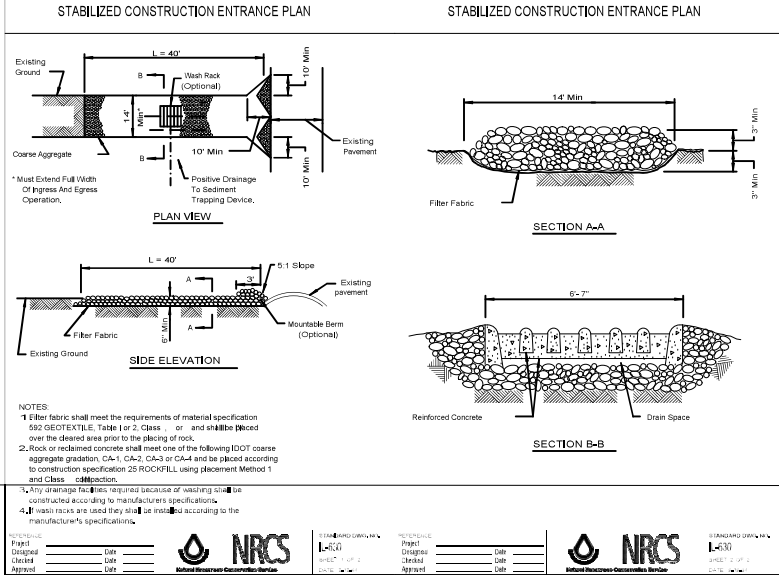
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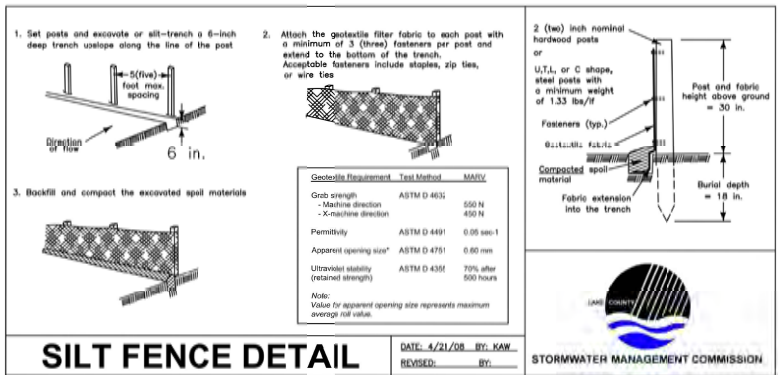
3 6' High Construction Fence
SCALE: 1/2"=1'-0" Construction Fence_24



4 Inlet Protection
SCALE: NTS



5 Stabilized Construction Entrance
SCALE: NTS



6 Silt Fence
SCALE: NTS d:\UM 6309A-silt fence_12



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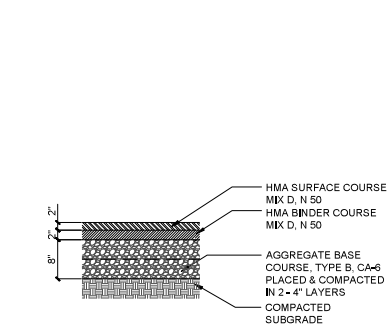
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**Construction
Details**

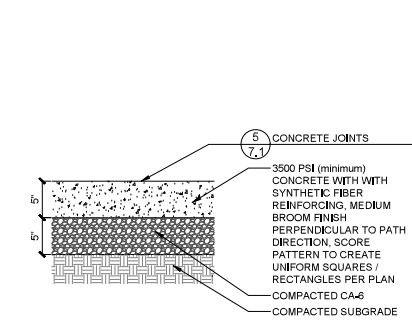
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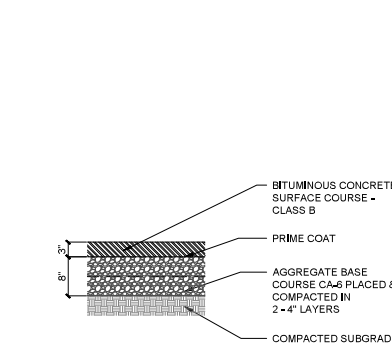
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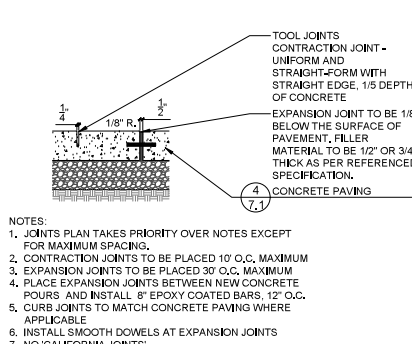
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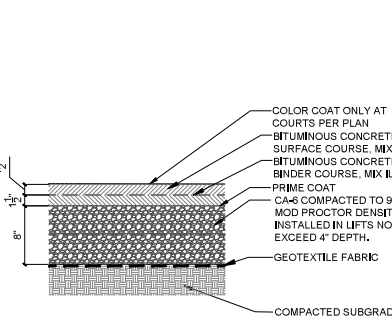
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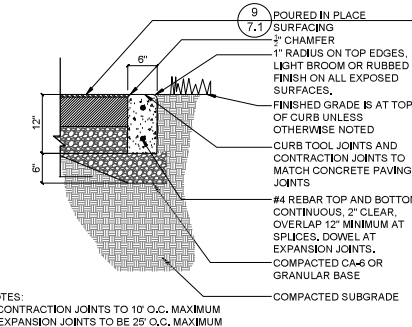
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d-asph trail_12.dwg



5 Concrete Joints
SCALE: 1 1/2"=1'-0"
d-conc joints_8.dwg



3 Asphalt Paving - Court
SCALE: 1 1/2"=1'-0"
d-asph-court_8



6 Curb at Playground
SCALE: 1"=1'-0"
d-conc curb-pl_12



9 Poured-in-Place Surfacing
SCALE: 3/4"=1'-0"
d-pi-pn gravel_16.dwg



7 Curb at Courts
SCALE: 1"=1'-0"
d-tennal edge_12

10 ADA Parking Space
SCALE: N.T.S.
d-ada parking_12



11 ADA Van Sign
SCALE: N.T.S.
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8 12" Curb at Nets
SCALE: 1"=1'-0"
d-tennis net curb_12

11 ADA Van Sign
SCALE: N.T.S.
d-sign_ada van metal_12.dwg

11 ADA Van Sign
SCALE: N.T.S.
d-sign_ada van metal_12.dwg



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PROJECT NUMBER **1183**

SHEET TITLE

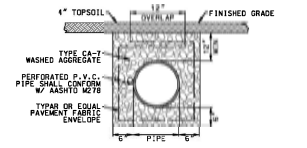
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SHEET NUMBER

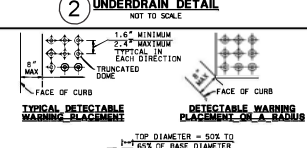
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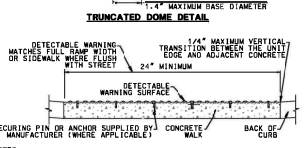
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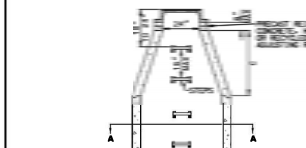
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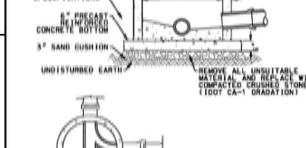
3 DETECTABLE WARNING DETAIL
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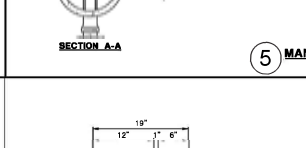
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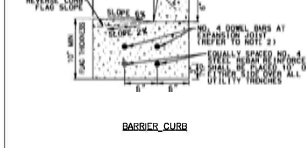
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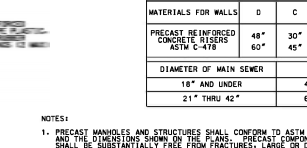
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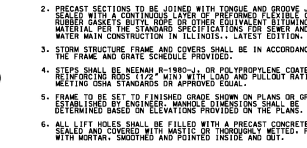
7 STORM CLEANOUT DETAIL
NOT TO SCALE



8-6.12 CURB AND GUTTER
NOT TO SCALE



9 DETECTABLE WARNING DETAIL
NOT TO SCALE





530 Bernard Drive
Buffalo Grove, IL 60089
Phone: 847-692-5127

PROJECT

Parkchester
Park OSLAD
Grant
Development

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ORIGINAL ISSUE DATE
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REVISIONS

PROJECT NUMBER 1183

SHEET TITLE

Civil
Engineering-
Project
Specifications

SHEET NUMBER

8.0

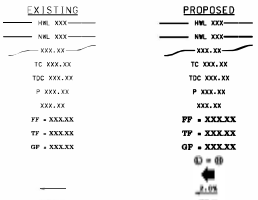
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ABBREVIATIONS

| | | |
|-----------------------------------|------------------------------|---|
| AC ACRE | HWL HIGH WATER ELEVATION | SAN SANITARY SEWER |
| CB BACK OF CURB | INL INLET | SMH SANITARY MANHOLE |
| BTM BOTTOM | INV INVERT | STA STATION |
| CB CATCH BASIN | LF LINEAL FEET/FOOT | STM STORM SEWER |
| CFS CUBIC FEET PER SECOND | LP LIGHT POLE | SY SQUARE YARD |
| CY CUBIC YARD | LT LEFT | SWPP STORMWATER POLLUTION PREVENTION PLAN |
| DIA DIAMETER | L/W LOWEST GRADE ADJACENT | |
| DIW DUCTILE IRON WATER MAIN | TO RETAINING WALL | TDC TOP OF DERESSED CURB |
| EL ELEVATION | MAX MAXIMUM | TC TOP OF CURB |
| EP EDGE OF PAVEMENT | MH STORM MANHOLE | TF TOP OF FOUNDATION |
| FF FINISHED FLOOR | MIN MINIMUM | T/W TOP OF RETAINING WALL |
| FES FLARED END SECTION | NWL NORMAL WATER ELEVATION | TYP TYPICAL |
| FT FOOT/FEET | OCS OUTLET CONTROL STRUCTURE | VB VALVE BOX |
| G GUTTER ELEVATION | P PAVEMENT ELEVATION | VC VERTICAL CURVE |
| GF GRADE AT FOUNDATION | PVC POLYVINYL CHLORIDE PIPE | VV VALVE VAULT |
| GR GRADE RING ELEVATION | R RADIUS | W WALK ELEVATION |
| HD HIGH DENSITY POLYETHYLENE PIPE | RCP REINFORCED CONCRETE PIPE | WM WATER MAIN |
| HVO FIRE HYDRANT | RM RIM ELEVATION | VPI VERTICAL POINT OF INTERSECTION |
| HMA HOT MIX ASPHALT | RT RIGHT | |
| | ROW RIGHT OF WAY | |

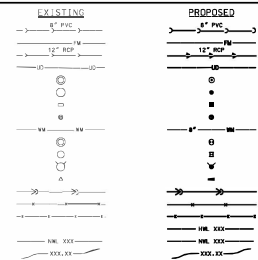
GRADING LEGEND

HIGH WATER LEVEL
NORMAL WATER LEVEL
CONTOUR LINE
TOP OF CURB ELEVATION
TOP OF DERESSED CURB
PAVEMENT ELEVATION
SPOT ELEVATION
FINISHED FLOOR ELEVATION
TOP OF FOUNDATION
GRADE AT FOUNDATION
HIGH OR LOW POINT
OVERLAND FLOOD ROUTE
PAVEMENT FLOW DIRECTION
SWALE FLOW DIRECTION



UTILITY LEGEND

SANITARY SEWER
FORCE MAIN
STORM SEWER
UNDERDRAIN
MANHOLE
CATCH BASIN
INLET
CLEANOUT
WATER MAIN
VALVE VAULT
FIRE HYDRANT
FLARED END SECTION
COMBINED SEWER
FENCE
ELECTRIC LINE
HIGH WATER LEVEL
NORMAL WATER LEVEL
CONTOUR LINE



GENERAL NOTES

A. REFERENCED SPECIFICATIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 - STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 - VILLAGE OF BUFFALO GROVE MUNICIPAL CODES;
 - THE LAKE COUNTY WATERSEID DEVELOPMENT ORDINANCE.

IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

- THE VILLAGE OF BUFFALO GROVE MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OR WORK. CONTRACTOR SHALL DETERMINE TIME NOTIFYING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF THE UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED. CALL J.D.L.I.E. AT 1-800-492-0124.

C. GENERAL NOTES

- THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION.
- THE CONTRACTOR'S SHALL INDENTIFY THE OWNER, ENGINEER, MUNICIPALITY, AND THEIR AGENTS, ETC., AS ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY THE MUNICIPALITY OR AUTHORIZED EMPLOYEES. ALL CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSIDE STREAM PIPE AT THE POINT OF SEWER CONNECTION FOR REMOVAL AFTER ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR SEWER DISTRICT AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY UNPOLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OR LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY AND/OR SEWER DISTRICT.
- THE LOCATION OF VARIOUS EXISTING UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- NO FINAL CONNECTION SHALL BE MADE TO THE EXISTING WATER MAIN SYSTEM UNTIL THE WATER MAIN HAS BEEN PRESSURE TESTED AND CHLORINATED.
- ALL NON-PAVING CONCRETE USED ON THE PROJECT SHALL BE TO MEET CLASS S1.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY AND OWNER.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL EXISTING FIELD DRAINAGE TIE ENCOUNTERED OR DAMAGED DURING CONSTRUCTION WHICH DRAIN OPPOSITE PROPERTY SHALL BE CONNECTED TO THE STORM SEWER SYSTEM. ANY EXISTING FIELD DRAINAGE TIE ENCOUNTERED OR DAMAGED DURING CONSTRUCTION THAT SERVES ON-SITE PROPERTY CAN BE CAPPED AND/OR REMOVED FROM THE SITE.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED DURING CONSTRUCTION SHALL BE NOTIFIED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PERMITS TO THE CONTRACTOR MUST BE RECEIVED BEFORE ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL VIES OR BENDS SHALL BE LOCALLY IDENTIFIED BY THE CONTRACTOR. ALL VES, B-BOWES, TEE'S OR BENDS SHALL BE TIED TO A FIRE HYDRANT.
- TRAFFIC CONTROL SIGNS SHALL BE INSTALLED DURING CONSTRUCTION IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) UNIFORM TRAFFIC CONTROL DEVICES. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE MAINTAINED AT ALL TIMES.

D. EXCAVATION AND SITE GRADING

- EXCAVATION AND EMBANKMENT REQUIRED FOR SITE GRADING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SOILS REPORTS PREPARED FOR THIS SITE. COPIES OF THE SOILS REPORTS ARE AVAILABLE FROM THE OWNER.
- BUILDING PAD, BUILDING FOOTING, AND PAVEMENT SUBGRADES SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL, AS DETERMINED BY THE SOILS ENGINEER, AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% PER THE INSTALLATION OF THESE DETECTABLE MARKINGS SHALL CONFORM TO SECTION 424 OF THE IDOT SS AND THE AASHTO WITH STABILIZED AC ACCESSIBILITY GUIDELINES.

- ALL CLAY EMBANKMENT NECESSARY FOR STORMWATER MANAGEMENT AREAS AS NOTED ON THE CROSS SECTION OF SECTION 606 (CONCRETE GUTTER, CURB, WEIR) AND PAVED DITCH IN THE IDOT SS.

THE MATERIAL SHALL BE CL TYPE USING THE USC CLASSIFICATION SYSTEM, ASTM D2487 AND FREE FROM GRAVEL, ROOTS, ORGANIC MATTER, AND ANY OTHER OBSTRUCTABLE MATERIALS.

THE EMBANKMENT SHALL BE PLACED IN ESSENTIALLY HORIZONTAL LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS. EACH LIFT SHOULD BE COMPACTED TO AT LEAST 95 PERCENT BY THE MAXIMUM ROLL EXISTING AS LISTED IN THE LABORATORY OF THE MODIFIED PROCTOR COMPACTION TEST (ASTM D1557). EACH LIFT TO BE COMPACTED TO SPECIFIED DENSITY PRIOR TO THE PLACEMENT OF ADDITIONAL FILL. MOISTURE CONTROL IS IMPORTANT IN THE COMPACTION OF COHESIVE SOIL TYPES, AND THE WATER CONTENT OF THE EMBANKMENT FILL SHALL BE WITHIN 4 PERCENTAGE POINTS OF OPTIMUM MOISTURE AS ESTABLISHED BY THE LABORATORY COMPACTION CURVES.

- CONSTRUCTION TESTING SHALL MEET THE REQUIREMENTS OF THE MUNICIPALITY AND THE OWNER.

- NO EQUIPMENT, MATERIAL OR WORK IS TO BE PERFORMED OUTSIDE THE LIMITS OF CONSTRUCTION.

- THE CONTRACTOR IS REQUIRED TO MEET ALL SOIL EROSION CONTROL AND SEDIMENTATION REQUIREMENTS AS SET FORTH IN THE IDOT STANDARDS, MUNICIPAL ORDINANCES, COUNTY ORDINANCES, AND THE ENGINEERING PLANS.

- ALL PAVEMENT SUBGRADES SHALL BE PROOF-ROLLED WITH A FULLY LOADED TEN WHEEL TRUCK. ANY SOFT YIELDING AREAS SHALL BE REMOVED AND REPLACED WITH COMPACTED CA-6 CRUSHED STONE.

- ALL UNSUITABLE MATERIAL, AS DETERMINED BY THE SOILS ENGINEER, SHALL BE REMOVED AND 1) DISC-BLENDED AND RECOMPACTED, OR 2) FILL OR CEMENT TREATED AND RECOMPACTED, OR 3) REPAVED WITH CONCRETE. ALL GRADATIONS, ALL OPTIONS MEETING COMPACTION REQUIREMENTS AS SPECIFIED EARLIER IN THESE SPECIFICATIONS SHALL BE ACCEPTED.

- LIMITS OF BUILDING PAD SHALL EXTEND FIVE (5) FEET BEYOND PROPOSED BUILDING WALLS. LIMITS OF SUITABLE PAVEMENT SUBGRADE SHALL EXTEND TWO (2) FEET BEYOND EDGE OF PROPOSED CURB OR EDGE OF PAVEMENT.

- ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOFT FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CDD) FILL SITE SHALL MEET THE REQUIREMENTS OF THE IDOT SS. ALL JOISTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL INCLUDE IN ALL JOISTS IN THE CONTRACT. THESE JOISTS SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL REQUIRED JOISTS, AND STATE AND LOCAL TYPING FEES.

E. PAVEMENT CONSTRUCTION

- HOT-MIX ASPHALT PAVEMENT SHALL HAVE A MINIMUM TOTAL COMPACTED THICKNESS AS NOTED ON THE PLANS. THE SUBGRADE SHALL BE COMPACTED TO 95% OF THE MAXIMUM UNIT WEIGHT AS DETERMINED BY ASTM D-2941.
- THE PAVEMENT SUBGRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 357 (AGGREGATE BASE COURSE) OF THE IDOT SS. SUBGRADE SHALL BE COMPACTED TO A MINIMUM FIRM OF 3.0.
- THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 351 (AGGREGATE BASE COURSE) OF THE IDOT SS.
- NO AGGREGATE BASE COURSE SHALL BE INSTALLED UNTIL THE SUBGRADE HAS BEEN APPROVED BY THE OWNER.
- HOT-MIX ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 406 (HOT-MIX ASPHALT BINDER AND SURFACE COURSE).
- NO HOT-MIX ASPHALT BINDER SHALL BE INSTALLED UNTIL THE AGGREGATE BASE COURSE HAS BEEN APPROVED BY THE OWNER. AGGREGATE BASE COURSE FIRM (2041 MC-50) SHALL BE APPLIED AT A RATE OF 0.25 TO 0.3 GALLONS PER SQUARE YARD. THE EXACT RATE TO BE SPECIFIED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY SIGNS, BARRICADES, FENCES, ETC., TO KEEP THE CONSTRUCTION SITE IN COMPLIANCE WITH STATE AND FEDERAL LAWS. THE MUNICIPALITY MAY REQUIRE ADDITIONAL STORAGE OR BARRICADES. THE CONTRACTOR SHALL COMPLY WITH ALL SUCH MATERIAL REQUIREMENTS.
- ALL EXISTING PAVEMENT, SIDEWALK, OR CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT ALONG THE LIMITS OF THE PROPOSED REMOVAL BEFORE REMOVAL OPERATIONS BEGIN.

- CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND EQUIPMENT FOR THE CONSTRUCTION OF THE PAVEMENT.

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- COMBINATION CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 606 (CONCRETE GUTTER, CURB, WEIR) AND PAVED DITCH IN THE IDOT SS.
 - EXPANSION JOINTS SHALL BE PLACED AT THE END OF PAID AND AT INTERVALS OF NO MORE THAN 40 FEET IN STRAIGHT LINE PORTIONS OF MORE. EXPANSION JOINTS SHALL BE PROVIDED WITH THE CURB AND GUTTER ABUTS AN EXISTING OR PROPOSED SIDEWALK, BUILDING, PERMANENT STRUCTURE OR THE CURB LINE. EXPANSION JOINTS SHALL CONSIST OF 1-INCH PREFABRICATED EXPANSION JOINT FILLER MATERIAL.
 - EXPANSION JOINTS SHALL INCLUDE TWO LONG 48 INCH BARS WITH CAP. THE THICKNESS OF THE GUTTER FLAT AND TO A WIDTH OF NOT LESS THAN 1/8 INCH.
 - A MINIMUM 4-INCH COMPACTED AGGREGATE BASE SHALL BE PROVIDED UNDER THE CURB AND GUTTER AND SHALL EXTEND 1-FOOT BEHIND BACK OF CURB. REFER TO SECTION 606 FOR ADDITIONAL JOINTING REQUIREMENTS.

- SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 404 (PORTLAND CEMENT CONCRETE SIDEWALK) OF THE IDOT SS.
 - THE SURFACE SHALL BE DIVIDED BY GROOVES CONSTRUCTED AT RIGHT ANGLES TO THE CENTERLINE OF THE SIDEWALK OR AS SHOWN ON THE ENGINEERING PLANS. GROOVES SHALL EXTEND TO 1/4 THE DEPTH OF THE SIDEWALK. SHALL BE NOT LESS THAN 1/4 IN. NOR MORE THAN 1/4 IN. IN WIDTH AND SHALL BE LONGER THAN 4 FT. NO LESS THAN 4 FT. ON ANY SIDE, UNLESS OTHERWISE SPECIFIED.
 - EXPANSION JOINTS SHALL BE 1/2 IN. THICK AND CONSIST OF PREFORMED JOINT FILLER. THE TOP OF THE JOINT FILLER SHALL BE 1/4 IN. BELOW THE SURFACE OF THE SIDEWALK.
 - EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT POLES, TRAFFIC SIGNAL POLES, TRAFFIC POLES AND SIGNARY COLUMNS, WHICH EXTEND THROUGH THE SIDEWALK. EXPANSION JOINTS SHALL BE PLACED AT MAXIMUM INTERVALS OF 50 FT. IN THE SIDEWALK, WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS. THE EXPANSION JOINTS SHALL BE PLACED IN LINE WITH THE EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK ACCESSIBILITY RAMP AND CURB WHERE THE RAMP ABUTS A CURB.

- HOT-MIX ASPHALT BASE COURSE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 355 (HOT-MIX ASPHALT BASE COURSE) OF THE IDOT SS.

- HOT-MIX ASPHALT SPECIFICATIONS SHALL BE AS FOLLOWS:

| ITEM | AIR VOIDS |
|--|-----------|
| HMA SURFACE COURSE: MIX 70", IL-9.5 SMA, WSD: 1.5" MIN. 4% AT 50 Gyr. | |
| HMA BINDER COURSE: IL-19.0, WSD: 2.25" MIN. 4% AT 50 Gyr. | |
| LEVELING BINDER (MACHINE METHOD), IL-4.75, WSD: 3.5% AT 50 Gyr. 3.5% MIN | |
| CLASS D PATCHES (HMA BINDER IL-19) 4% AT 50 Gyr. | |

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD³.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "CSBSP PS 76-22" AND FOR ALL NON-POLYMERIZED HMA "AC TYPE" SHALL BE "64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. TOP "PERCENT OF PASS" SEE SPECIAL PROVISIONS. APPLICABLE DISTRICT ONE SPECIAL PROVISIONS MAY INCLUDE: "MECHANIZED ASPHALT PAVEMENT AND STITCHES", HMA MIXTURE IL-4.75* AND "STONE MATRIX ASPHALT (SMA)".

- ALL CURBS CONSTRUCTED OVER A UTILITY TRENCH SHALL BE REINFORCED WITH TWO EQUALLY SPACED 48 REBARS CENTERED IN THE FLAT. A MINIMUM OF 10 FEET ON EITHER SIDE OF THE TRENCH. SIDEWALKS SHALL BE TREATED IN THE SAME MANNER USING THREE EQUALLY SPACED 48 REBARS CENTERED IN THE SIDEWALK FOR A LENGTH OF 10 FEET ON EITHER SIDE OF THE TRENCH.

- ALL WATER AND SANITARY SERVICE LOCATIONS SHALL BE STAMPED ON THE CURB WITH "4" OR "5" AT THE DEMARKED LOCATIONS WHERE POSSIBLE.

F. STORM SEWER

- ALL STORM SEWERS, SERVICES AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL MUNICIPAL REQUIREMENTS, THE IDOT SS AND THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
 - STORM SEWERS SHALL BE:
 - REINFORCED CONCRETE PIPE, ASTM C-76, MINIMUM CLASS 111 WITH MASTIC JOINTS OR O-RING JOINTS IN ACCORDANCE TO ASTM C-643.
 - POLYVINYL CHLORIDE PIPE (PVC) PIPE, SDR 26, PER ASTM D-3034 WITH ELASTOMERIC JOINTS IN ACCORDANCE WITH ASTM D-3012.
 - HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M293 FOR THREE (3) INCHES TO FIVE (5) INCHES AND AASHTO M294 FOR TWELVE (12) INCHES TO SIXTY (60) INCHES.
 - GRANULAR PIPE BEDDING MATERIAL SHALL BE IDOT CA-6, CA-10 OR FA-10 AND SHALL BE INSTALLED PER ASTM D3241. GRANULAR BEDDING SHALL BE COMPACTED TO 90% MODIFIED PROCTOR DENSITY.
 - SELECTED GRANULAR BACKFILL, IDOT CA-6, CA-10 OR FA-10 SHALL BE USED WHERE THE TOP OF TRENCH LIES UNDER OR WITHIN 24 INCHES OF ALL PAVEMENTS, CURB AND GUTTERS, DRIVEWAYS OR SIDEWALKS.

G. LANDSCAPING

- ALL DISTURBED AREAS SHALL BE RESTORED WITH 6-INCHES OF TOPSOIL AND SEEDING IN ACCORDANCE WITH SECTION 250 (SEEDING) OF THE IDOT SS. SEEDING MIXTURE SHALL BE CLASS 1 LAWN SEEDING MIXTURE, UNLESS OTHERWISE SPECIFIED OR INDICATED.
- EROSION CONTROL BLANKET SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 251 (EROSION CONTROL) OF THE IDOT SS. EROSION CONTROL BLANKET SHALL BE EXCELSTOR 85-150 OR SC-150 DEPENDING ON THE INTERFERE USE.

Invoice #2024-468

Invoice Date: 12/10/24

Dates Billed to: 12/10/24

PO #

Job Name: Parkchester Park Development

Job #: 24020

Owner

Buffalo Grove Park District

Contractor

Schroeder Asphalt Services, Inc.

P.O. Box 831

Huntley, IL 60142

| Description | | Contract Quantities | Unit | Unit Price | Contract Amount | Previous Quantities Billed | Current Quantities | Quantities Billed to Date | Current Amount | Amount to Date |
|-------------|---|------------------------|------|---------------|--------------------|----------------------------------|-----------------------|---------------------------------|-------------------|-------------------|
| 1 | Site Preparation, Removals & Earthwork, Complete | 1 | LS | \$ 300,000.00 | \$ 300,000.00 | 1 | 0 | 1 | \$ - | \$ 300,000.00 |
| 2 | Undercut and PGE - Allowance to be used only upon | 200 | CY | \$ 100.00 | \$ 20,000.00 | 35 | 0 | 35 | \$ - | \$ 3,500.00 |
| 3 | Temporary Concrete Washout | 1 | LS | \$ 1,000.00 | \$ 1,000.00 | 0 | 0 | 0 | \$ - | \$ - |
| 4 | Inlet Protection | 1 | LS | \$ 1,000.00 | \$ 1,000.00 | 1 | 0 | 1 | \$ - | \$ 1,000.00 |
| 5 | Stabilized Construction Entrance | 1 | LS | \$ 3,500.00 | \$ 3,500.00 | 1 | 0 | 1 | \$ - | \$ 3,500.00 |
| 6 | Silt Fence | 1,342 | LF | \$ 3.75 | \$ 5,032.50 | 1342 | 0 | 1342 | \$ - | \$ 5,032.50 |
| 7 | As Built Survey by IL Licensed Surveyor | 1 | LS | \$ 6,000.00 | \$ 6,000.00 | 0 | 0 | 0 | \$ - | \$ - |
| 8 | Asphalt Paving - Vehicular | 611 | SY | \$ 58.00 | \$ 35,438.00 | 458 | 153 | 611 | \$ 8,874.00 | \$ 35,438.00 |
| 9 | Parking Lot Striping | 1 | LS | \$ 750.00 | \$ 750.00 | 0 | 1 | 1 | \$ 750.00 | \$ 750.00 |
| 10 | Asphalt Paving - 8' Trail | 2,353 | SY | \$ 42.00 | \$ 98,826.00 | 1176 | 1177 | 2353 | \$ 49,434.00 | \$ 98,826.00 |
| 11 | Asphalt Paving - Court | 1,731 | SY | \$ 42.00 | \$ 72,702.00 | 1298 | 433 | 1731 | \$ 18,186.00 | \$ 72,702.00 |
| 12 | Asphalt Color Coat - Basketball Court, Tennis, & Pick | 1,726 | SY | \$ 13.25 | \$ 22,869.50 | 0 | 1726 | 1726 | \$ 22,869.50 | \$ 22,869.50 |
| 13 | Concrete Paving | 4,003 | SF | \$ 11.50 | \$ 46,034.50 | 3802 | 201 | 4003 | \$ 2,311.50 | \$ 46,034.50 |
| 14 | Curb and Gutter B6-12 | 302 | LF | \$ 42.00 | \$ 12,684.00 | 302 | 0 | 302 | \$ - | \$ 12,684.00 |
| 15 | Curb at Playground | 357 | LF | \$ 36.00 | \$ 12,852.00 | 357 | 0 | 357 | \$ - | \$ 12,852.00 |
| 16 | Curb at Courts | 488 | LF | \$ 47.00 | \$ 22,936.00 | 488 | 0 | 488 | \$ - | \$ 22,936.00 |
| 17 | Poured-in-Place Surfacing on Gravel | 5,735 | SF | \$ 33.00 | \$ 189,255.00 | 5735 | 0 | 5735 | \$ - | \$ 189,255.00 |
| 18 | ADA Sign | 1 | EA | \$ 600.00 | \$ 600.00 | 0 | 1 | 1 | \$ 600.00 | \$ 600.00 |
| 19 | Stone Outcropping | 1 | LS | \$ 10,000.00 | \$ 10,000.00 | 0.75 | 0.25 | 1 | \$ 2,500.00 | \$ 10,000.00 |
| 20 | Painted Games | 1 | LS | \$ 16,000.00 | \$ 16,000.00 | 0 | 1 | 1 | \$ 16,000.00 | \$ 16,000.00 |
| 21 | 4" Perf SDR26 Playground Underdrainage | 312 | LF | \$ 46.00 | \$ 14,352.00 | 312 | 0 | 312 | \$ - | \$ 14,352.00 |
| 22 | 4" Perf SDR26 Courts Underdrainage | 961 | LF | \$ 46.00 | \$ 44,206.00 | 1000 | 0 | 1000 | \$ - | \$ 46,000.00 |
| 23 | 6" Solid PVC SDR26 Underdrainage | 55 | LF | \$ 92.00 | \$ 5,060.00 | 55 | 0 | 55 | \$ - | \$ 5,060.00 |
| 24 | 8" Storm Sewer PVC | 45 | LF | \$ 96.00 | \$ 4,320.00 | 45 | 0 | 45 | \$ - | \$ 4,320.00 |
| 25 | 12" Storm Sewer RCP | 142 | LF | \$ 92.00 | \$ 13,064.00 | 142 | 0 | 142 | \$ - | \$ 13,064.00 |
| 26 | Core and Connect to Inlet/Manhole | 4 | EA | \$ 1,650.00 | \$ 6,600.00 | 4 | 0 | 4 | \$ - | \$ 6,600.00 |
| 27 | 24" Diameter Catch Basin, Type A | 1 | EA | \$ 3,300.00 | \$ 3,300.00 | 1 | 0 | 1 | \$ - | \$ 3,300.00 |
| 28 | 24" Diameter Manhole, Type A | 1 | EA | \$ 3,300.00 | \$ 3,300.00 | 1 | 0 | 1 | \$ - | \$ 3,300.00 |
| 29 | Drain Cleanout | 6 | EA | \$ 270.00 | \$ 1,620.00 | 6 | 0 | 6 | \$ - | \$ 1,620.00 |
| 30 | Play Equipment shall be purchased by Owner, Contractor shall take delivery and fully install. | | | | | | | | | |
| 31 | Install of Communication Station | 1 | LS | \$ 775.00 | \$ 775.00 | 1 | 0 | 1 | \$ - | \$ 775.00 |
| 32 | Install 5-12 Play Structure | 1 | LS | \$ 32,500.00 | \$ 32,500.00 | 1 | 0 | 1 | \$ - | \$ 32,500.00 |
| 33 | Install of Welcome Sign | 1 | LS | \$ 275.00 | \$ 275.00 | 1 | 0 | 1 | \$ - | \$ 275.00 |

| | | | | | | | | | | |
|----|---|-----|----|---------------|---------------|-------|------|-------|--------------|--------------|
| 34 | Install Wee Planet Climber | 1 | LS | \$ 1,150.00 | \$ 1,150.00 | 1 | 0 | 1 | \$ - | \$ 1,150.00 |
| 35 | Install Curva Spinner | 1 | LS | \$ 900.00 | \$ 900.00 | 1 | 0 | 1 | \$ - | \$ 900.00 |
| 36 | Install Double Bobble Rider SB | 1 | LS | \$ 1,000.00 | \$ 1,000.00 | 1 | 0 | 1 | \$ - | \$ 1,000.00 |
| 37 | Install OmiSpin Spinner | 1 | LS | \$ 3,850.00 | \$ 3,850.00 | 1 | 0 | 1 | \$ - | \$ 3,850.00 |
| 38 | Install Roller Table | 1 | LS | \$ 5,550.00 | \$ 5,550.00 | 1 | 0 | 1 | \$ - | \$ 5,550.00 |
| 39 | Install Sport Climber | 1 | LS | \$ 10,000.00 | \$ 10,000.00 | 1 | 0 | 1 | \$ - | \$ 10,000.00 |
| 40 | Install Swings - 4 Unit | 1 | LS | \$ 1,750.00 | \$ 1,750.00 | 1 | 0 | 1 | \$ - | \$ 1,750.00 |
| 41 | Site Furniture shall be purchased by Owner, Contractor shall take delivery and fully install. | | | | | | | | | |
| 42 | Install 10X10 Fabric Shade | 2 | EA | \$ 4,000.00 | \$ 8,000.00 | 1.5 | 0 | 1.5 | \$ - | \$ 6,000.00 |
| 43 | Site Furniture shall be purchased by Contractor, Contractor shall take delivery and fully install. | | | | | | | | | |
| 44 | Basketball Hoop, Net, and Backboard | 2 | EA | \$ 6,000.00 | \$ 12,000.00 | 0.5 | 1.5 | 2 | \$ 9,000.00 | \$ 12,000.00 |
| 45 | Tennis Posts, Net and Center Strap | 1 | EA | \$ 1,500.00 | \$ 1,500.00 | 0 | 1 | 1 | \$ 1,500.00 | \$ 1,500.00 |
| 46 | Pickleball Posts, Net and Center Strap | 1 | EA | \$ 1,200.00 | \$ 1,200.00 | 0 | 1 | 1 | \$ 1,200.00 | \$ 1,200.00 |
| 47 | Chainlink Fence - 10' Height at Courts | 485 | LF | \$ 155.00 | \$ 75,175.00 | 242.5 | 194 | 436.5 | \$ 30,070.00 | \$ 67,657.50 |
| 48 | Interpretive Sign - Graphics by Owner | 5 | EA | \$ 425.00 | \$ 2,125.00 | 5 | 0 | 5 | \$ - | \$ 2,125.00 |
| 49 | Lawn Restoration - Topsoil and Fine Grade All Areas | 1 | LS | \$ 100,000.00 | \$ 100,000.00 | 0.75 | 0.15 | 0.9 | \$ 15,000.00 | \$ 90,000.00 |

| | |
|--------------------------------------|------------------------|
| Original Contract Amount | \$ 1,231,051.50 |
| Change Order Amount | \$ - |
| Total Contract | \$ 1,231,051.50 |
| | |
| Work Completed to Date | \$ 1,189,828.00 |
| | \$ - |
| Total Complete/Stored/Pending | \$ 1,189,828.00 |
| Less Retainage | \$ 118,982.80 |
| Total (Less Retainage) | \$ 1,070,845.20 |
| Adjustments | \$ - |
| Less Previously Requested | \$ 910,379.70 |
| Amount Due This Request | \$ 160,465.50 |

WAIVER OF LIEN TO DATE

STATE OF ILLINOIS }
COUNTY OF McHENRY } SS

Gty # _____
Loan # _____

TO WHOM IT MAY CONCERN:

WHEREAS the undersigned has been employed by Buffalo Grove Park District
to furnish Asphalt Paving
for the premises known as Parkchester Park Development
of which Buffalo Grove Park District is the owner.

The undersigned, for and in consideration of One Hundred Sixty Thousand Four Hundred Sixty Five Dollars 50/100
\$160,465.50 Dollars, and other good and valuable considerations, the receipt where of is hereby acknowledged, do(es)
hereby waive and release any and all lien or claim of, or right to, lien, under the statutes of the State of Illinois, relating to mechanics' liens,
with respect to and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus or machinery
furnished, and on moneys, funds or other considerations due or to become due from the owner, on account of all labor, services, materials,
fixtures, apparatus or machinery, furnished, to this date, by the undersigned for the above-described premises, INCLUDING
EXTRAS.*

DATE 12/10/24 COMPANY NAME Schroeder Asphalt Services, Inc.
ADDRESS PO Box 831, Huntley, IL 60142

SIGNATURE AND TITLE [Signature], Corporate Secretary

*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT.

STATE OF ILLINOIS }
COUNTY OF McHENRY } SS

CONTRACTOR'S AFFIDAVIT

TO WHOM IT MAY CONCERN:

THE UNDERSIGNED, (NAME) Rachael McDow BEING DULLY SWORN, DEPOSES
AND SAYS THAT HE OR SHE IS (POSITION) Corporate Secretary OF
(COMPANY NAME) Schroeder Asphalt Services, Inc. WHO IS THE
CONTRACTOR FURNISHING Asphalt Paving WORK ON THE BUILDING
LOCATED AT Parkchester Park
OWNED BY Buffalo Grove Park District

That the total amount of the contract including extras is \$1,231,051.50 on which he or she has received payment of
\$910,379.70 prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that
there is no claim either legal or equitable to defeat the validity of said waivers. That the following are the names of all parties who have
furnished material or labor, or both for said work and all parties having contracts or sub contracts for specific portions of said work or for
material entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all labor
and material required to complete said work according to plans and specifications:

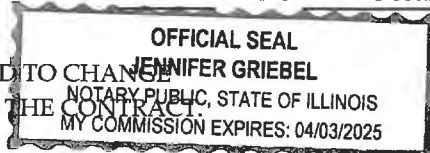
| NAMES | WHAT FOR | CONTRACT PRICE | AMOUNT PAID | THIS PAYMENT | BALANCE DUE |
|---|---------------------|----------------|--------------|--------------|--------------|
| Schroeder Asphalt Services, Inc. | Labor & Equipment | \$691,545.81 | \$500,893.09 | \$76,526.48 | \$114,126.24 |
| McGinty | Landscape | \$19,680.55 | \$13,284.37 | \$3,274.72 | \$3,121.46 |
| Perfect Turf | Surfacing | \$132,800.00 | \$105,112.80 | \$26,278.20 | \$1,409.00 |
| Pro Fence | Fence | \$52,000.00 | \$23,400.00 | \$18,720.00 | \$9,880.00 |
| US Tennis | Asphalt Color/Paint | \$38,320.00 | \$0.00 | \$34,488.00 | \$3,832.00 |
| DeVinci | Sewer | \$70,981.00 | \$69,937.00 | \$0.00 | \$1,044.00 |
| Builders Asphalt | Asphalt | \$59,956.14 | \$59,956.14 | \$0.00 | \$0.00 |
| Paul Herrera | Concrete | \$165,768.00 | \$137,796.30 | \$1,178.10 | \$26,793.60 |
| TOTAL LABOR AND MATERIAL INCLUDING EXTRAS* TO COMPLETE. | | \$1,231,051.50 | \$910,379.70 | \$160,465.50 | \$160,206.30 |

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor
or other work of any kind done or to be done upon or in connection with said work other than stated above.

DATE: 12/10/24 SIGNATURE: [Signature], Corporate Secretary

SUBSCRIBED AND SWORN TO ME BEFORE THIS 10th DAY OF December, 2024

*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE
ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT



[Signature]
NOTARY PUBLIC

WAIVER OF LIEN TO DATE

STATE OF ILLINOIS }
COUNTY OF Lake } SS
TO WHOM IT MAY CONCERN:

Gty # _____

WHEREAS the undersigned has been employed by Schroeder Asphalt Services Inc
to furnish Stone Outcropping
for the permises known as Parkchester Park Development
of which Buffalo Grove Park District is the owner.

THE undersigned, for and in consideration of Thirteen Thousande Two Hundred Eighty-Four and 37/100 ---
(\$ 13,284.37) Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged, do(es)
hereby waive and release any and all lien or claim of, or right to, lien, under the statutes of the State of Illinois, relating to mechanics' liens,
with respect to and on said above-described premises, and the improvements thereon, and on the material, fixtures, appartus or machinery
furnished, and on the moneys, funds or other considerations due or to become due from the owner, on account of labor services, material,
fixtures, apparatus or machinery furnished to this date by the undersigned for the above-described premises.

Given Under My hand and seal this
9th day of August 2024

Signature and Seal: Brian McGinty President

NOTE: All waivers must be for the full amount paid. If waiver is for a corporation, corporate name should be used, corporate seal affixed and
title of officer signing waiver should be set forth; if waiver is for partnership, the partnership name should be used, partner should sign and
designate himself as partner.

CONTRACTOR'S AFFIDAVIT

STATE OF ILLINOIS }
COUNTY OF Lake } SS
TO WHOM IT MAY CONCERN:

THE undersigned, being duly sworn, deposes and says that he is Brian McGinty
President of the McGinty Bros., Inc.
who is the contractor of the Stone Outcropping
building located at Parkchester Park Development
owned by Buffalo Grove Park District
That the total amount of the contract including extras is \$ 45,030.00 on which he has received payment of
\$ 0.00 prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally
and that or labor, or both, for said work and all parties having contracts or sub contracts for specific portions of said work or for materials
entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all labor and material
required to complete said work according to plans and specifications:

| NAME | WHAT FOR | CONTRACT PRICE | AMOUNT PAID | THIS PAYMENT | BALANCE DUE |
|--------------------------------------|-------------------|----------------|-------------|--------------|-------------|
| McGinty Bros., Inc. | Stone Outcropping | 45,030.00 | 0.00 | 13,284.37 | 31,745.63 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| TOTAL LABOR AND MATERIAL TO COMPLETE | | | | | |

That there are no other contract for said work outstanding, and that there is nothing due or to become due to any person for material, labor or
other work of any kind done or to be done upon or in connection with said work other than above stated.

Signed this 5th day of November 2024

Signature: Brian McGinty

Subscribed and sworn to before me this 5th day of November 2024



WAIVER OF LIEN TO DATE

STATE OF }
COUNTY OF } SS

Job # _____

TO WHOM IT MAY CONCERN:

WHEREAS the undersigned has been employed by Schroeder Asphalt
to furnish Recreational Surfacing
for the premises known as Parkchester Park Development
of which Buffalo Grove Park District is the owner.

THE undersigned, for and in consideration of One Hundred Five Thousand One Hundred Twelve Dollars and 80/100
\$ 105,112.80 Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged, do(es)
hereby waive and release any and all lien or claim of, or right to, under the statutes of the State of Illinois relating to mechanics' liens,
with respect to and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus or machinery
furnished, and on the moneys, funds or other considerations due or to become due from the owner, on account of all labor, services, material,
fixtures, apparatus or machinery, furnished to this date by the undersigned for the above-described premises, INCLUDING EXTRAS.*

DATE December 4, 2024 COMPANY NAME Perfect Turf Distributing, LLC
ADDRESS 5540 Meadowbrook Court Rolling Meadows, IL 60008

SIGNATURE AND TITLE

*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT.

STATE OF }
COUNTY OF } SS

CONTRACTOR'S AFFIDAVIT

TO WHOM IT MAY CONCERN:

THE UNDERSIGNED, (NAME) Amanda Todd BEING DULY SWORN, DEPOSES
AND SAYS THAT HE OR SHE IS (POSITION) CFO OF
(COMPANY NAME) Perfect Turf Distributing, LLC WHO IS THE
CONTRACTOR FURNISHING Recreational Surfacing WORK ON THE BUILDING
LOCATED AT Parkchester Park Development
OWNED BY Buffalo Grove Park District

That the total amount of the contract including extras* is \$ 132,800.00 on which he or she has received payment of
\$ 0.00 prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that
there is no claim either legal or equitable to defeat the validity of said waivers. That the following are the names and addresses of all parties
who have furnished material or labor, or both, for said work and all parties having contracts for sub contracts for specific portions of said work
or for material entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all
labor and material required to complete said work according to plans and specifications:

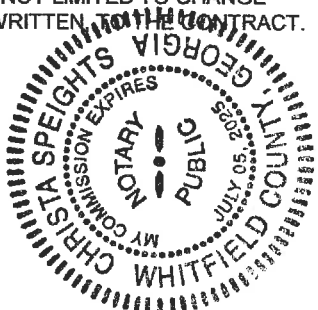
| NAMES AND ADDRESSES | WHAT FOR | CONTRACT PRICE INCLDG EXTRAS* | AMOUNT PAID | THIS PAYMENT | BALANCE DUE |
|--|-------------------------------|----------------------------------|-------------------|------------------|-------------|
| | <u>Recreational Surfacing</u> | <u>132,800.00</u> | <u>105,112.80</u> | <u>27,687.20</u> | <u>0.00</u> |
| <u>All material taken from fully paid stock and delivered to</u> | | | | | |
| <u>the jobsite in our own trucks.</u> | | | | | |
| <u>Major Supplier:</u> | | | | | |
| <u>All Labor is paid. No rental equipment used.</u> | | | | | |
| <u>TOTAL LABOR AND MATERIAL INCLUDING EXTRAS* TO COMPLETE.</u> | | <u>132,800.00</u> | <u>105,112.80</u> | <u>27,687.20</u> | <u>0.00</u> |

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor
or other work of any kind done or to be done upon or in connection with said work other than above stated.

DATE December 4, 2024 SIGNATURE: Amanda Todd
SUBSCRIBED AND SWORN TO BEFORE ME THIS 4 DAY OF December 2024

*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE
ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT.

NOTARY PUBLIC



WAIVER OF LIEN TO DATE

STATE OF IL
County of Cook

SS

Gty#

Loan#

TO WHOM IT MAY CONCERN:

WHEREAS the undersigned has been employed by Schroeder Asphalt Services, Inc. to furnish
Fencing for the premises known as Parkchester Park Development
of which Buffalo Grove Park District is the owner.

The undersigned, for and in consideration of Twenty Three Thousand Four Hundred
\$23,400.00 Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged, do(es) hereby waive
and release any and all lien or claim of, or right to, lien, under the statutes of the State of Illinois, relating to mechanics' liens, with respect
to and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus or machinery furnished,
and on the moneys, funds or other considerations due or to become due from the owner, on account of labor, services, material, fixtures,
apparatus or machinery, furnished to this date by the undersigned for the above-described premises.

Given under my hand and sealed this 5th day of November, 2024.

Signature and Seal:

Company Name

Address

Mark Filip

Pro Fence II, Inc.

433 Denniston Court - Wheeling, IL 60090

NOTE: All waivers must be for the full amount paid. If waiver is for a corporation, corporate name should be used, corporate seal affixed and title of officer signing waiver should be set forth; if waiver is for a partnership, the partnership name should be used, partner should sign and designate himself as partner.

CONTRACTOR'S AFFIDAVIT

STATE OF IL
County of Cook

SS

TO WHOM IT MAY CONCERN:

THE undersigned, being duly sworn, deposes and says that he/she is Mark Filip, President
of the Pro Fence II, Inc. who is contractor for the Fencing
work on the building located at 851 Weiland Road, Buffalo Grove, IL 60089
owned by Buffalo Grove Park District

That the total amount of the contract including extras is \$52,000.00 on which he has received payment of \$0.00
prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that there is no claim either legal
or equitable to defeat the validity of said waivers. That the following are the names of all parties who have furnished material or labor, or
both, for said work and all parties having contracts or sub contracts for specific portions of said work or for material entering into the
construction thereof and the amount due or to become due to each, and that the items mentioned include all labor and material required to
complete said work according to plans and specifications.

| NAMES | WHAT FOR | CONTRACT PRICE | AMOUNT PAID | THIS PAYMENT | BALANCE DUE |
|--------------------------------------|------------------|----------------|-------------|--------------|-------------|
| Pro Fence II, Inc. | Material & Labor | 52,000.00 | 0.00 | 23,400.00 | 28,600.00 |
| | | | | | |
| | | | | | |
| TOTAL LABOR AND MATERIAL TO COMPLETE | | \$52,000.00 | \$0.00 | \$23,400.00 | \$28,600.00 |

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor
or other work of any kind done or to be done upon or in connection with said work other than above stated.

Signed this 5th day of November, 2024.

Signature:

Mark Filip

Subscribed and sworn to before me this

5th

day of

November

2024

Signature:

Craig Filip



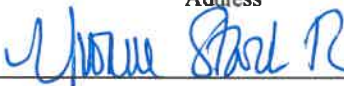
WAIVER OF LIEN

STATE OF ILLINOIS
COUNTY OF WILL
TO WHOM IT MAY CONCERN:

WHEREAS, the undersigned has been employed by **Schroeder Asphalt Services Inc.**,
to furnish Sewer Work for the premises known as **Parkchester Park Development**
which the **Buffalo Grove Park District** is the owner.

THE undersigned, for and in consideration of **Three Thousand Seven Hundred Nine & 60/100 dollars (\$3,709.60)** and other good and valuable considerations, the receipt whereof is hereby acknowledge, do(es) hereby waive and release any and all lien or claim of, or right to, lien, under the statutes of the State of Illinois, relating to mechanics' liens, with respect to and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus or machinery furnished, and on the moneys, funds or other considerations due or to become due from the owner, or on account of labor services, material, fixtures, apparatus or machinery, furnished to this date by the undersigned for the above-described premises. Including Extras.
Additionally, the undersigned hereby waives and releases any and all of the undersigned's rights and claims under the Illinois Public Construction Bond Act to the same extent the undersigned waives and releases any and all lien or claim of, or right to lien under the statutes of Illinois relating to mechanics liens.

Date: 11/4/24 Company Name DeVinci Construction Inc.
Address P O Box 4716 Oak Brook IL 60522

Signature and Seal: 

*Extras include but are not limited to change orders. Both oral and written. To the contract.

State of ILLINOIS

County of Will

TO WHOM IT MAY CONCERN:

THE undersigned Yvonne Stark Russo, being duly sworn, deposes and says that she is President of the DeVinci Construction Inc.
who is the contractor for Sewer and related items on the premises known as **Parkchester Park Development**

Owned by The **Buffalo Grove Park District**



That the total amount of the contract including extras is \$70,981.00 on which she has received payment of \$ 66,227.40 prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that there is no claim either legal or equitable to defeat the validity of said waivers. That the following are the names of all parties who have furnished material or labor, or both, for said work and all parties having contracts or sub contracts for specific portions of said work or for material entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all labor and material required to complete said work according to plans and specifications

| Names | What for | Cont Price | Amt Paid | This payment | Balance Due |
|--------------------------------------|-----------------|-------------|--------------|--------------|-------------|
| Beverly Material | Stone | \$4,756.34 | \$ 4,756.34 | | \$ - |
| Welch Bros | Structures | \$2,493.00 | \$ 2,493.00 | | \$ - |
| Mid American Water | Pipe | \$6,038.68 | \$ 6,038.68 | | \$ - |
| DeVinci Construction Co. | Labor, Eq, mat. | \$57,692.98 | \$ 52,939.38 | \$ 3,709.60 | \$ 1,044.00 |
| Total Labor & Mat to Comp | | \$70,981.00 | \$ 66,227.40 | \$ 3,709.60 | \$ 1,044.00 |

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor or other work of any kind done or to be done upon or in connection with work other than above stated.

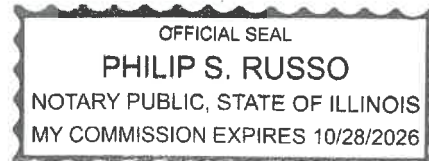
Signed this  day of

Signature & Title

 2024

4TH day of NOVEMBER 2024

Subscribed and sworn to before me this





WAIVER OF LIEN - FINAL
MATERIAL OR LABOR (ILLINOIS)

State of: Illinois
County of: Cook

TO WHOM IT MAY CONCERN:

WHEREAS we the undersigned Builders Asphalt, LLC
has been employed by Schroeder Asphalt Services, Inc.
to furnish Bituminous Asphalt Material
for the building Parkchester Park
located at Parkchester Park
owned by Buffalo Grove Park District

Now, Therefore, Know Ye, That the undersigned, for and in consideration of \$59,956.14
Fifty Nine Thousand Nine Hundred Fifty Six and 14/100

Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged, do(es) hereby waive and release any and all lien or claim of, or right to lien, under the statutes of the State of Illinois, relating to Mechanics' Liens, with respect to and on said above described premises and the improvements thereon, and on the material, fixtures, apparatus or machinery furnished, and on the money, funds or other considerations due or to become due from the Owner, on account of all labor, services, material, fixtures, apparatus or machinery heretofore furnished, or which may be furnished at any time hereafter by the undersigned for the above described premises. INCLUDING EXTRAS.*

* EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT.

DATE 11/4/2024 COMPANY NAME: Builders Asphalt, LLC
ADDRESS: 4401 Roosevelt Road, Hillside, IL 60162

SIGNATURE AND TITLE Diana Wolford Secretary
Diana Wolford

SUBSCRIBED AND SWORN TO BEFORE ME THIS 4 DAY OF November, 2024

Paula J. Repore
NOTARY PUBLIC

WAIVER OF LIEN TO DATESTATE OF ILLINOIS }
COUNTY OF MCHENRY }

TO WHOM IT MAY CONCERN:

WHEREAS the undersigned has been employed by Schroeder Asphalt Services, Inc
to furnish CONCRETE
for the premises known as Parkchester Park Development
of which Buffalo Grove Park District is the owner.
The undersigned, for and in consideration of Forty-Six Thousand Three Hundred Ninety & 50/100
\$46,390.50 Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged,
do(es) hereby waive and release any and all lien or claim of, or right to, lien, under the statutes of the State of Illinois, relating to mechanics' liens, with
respect to and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus or machinery furnished, and
on the moneys, funds or other considerations due or to become due from the owner, on account of all labor, services, material, fixtures, apparatus or
machinery, furnished to this date by the undersigned for the above-described premises, INCLUDING EXTRAS.*

November 1, 2024
(DATE)
SIGNATURE AND TITLE

Paul Herrera, President
COMPANY PAUL HERRERA CONSTRUCTION CO. LTD
ADDRESS 24520 HARMONY RD. MARENGO, IL. 60152

*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT.

CONTRACTOR'S AFFIDAVITSTATE OF ILLINOIS }
COUNTY OF MCHENRY }

TO WHOM IT MAY CONCERN:

THE UNDERSIGNED, (NAME) PAUL HERRERA BEING DULY SWORN, DEPOSES
AND SAYS THAT HE OR SHE IS (POSITION) PRESIDENT
OF (COMPANY NAME) PAUL HERRERA CONSTRUCTION CO LTD WHO
IS THE CONTRACTOR FURNISHING CONCRETE WORK

ON THE BUILDING LOCATED AT Parkchester Park Development
OWNED BY Buffalo Grove Park District
That the total amount of the contract including extras* is \$ 165,768.00 on which he or she has received payment of
\$91,405.80 prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that there is
no claim either legal or equitable to defeat the validity of said waivers. That the following are the names and addresses of all parties who have
furnished material or labor, or both, for said work and all parties having contracts or sub contracts for specific portions of said work or for material
entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all labor and material
required to complete said work according to plans and specifications:

| NAMES AND ADDRESSES | WHAT FOR | CONTRACT PRICE INCDG EXTRAS* | AMOUNT PAID | THIS PAYMENT | BALANCE DUE |
|---|---------------|---------------------------------|----------------|-----------------|----------------|
| Paul Herrera Construction Co. Ltd. | CONCRETE WORK | \$165,768.00 | \$91,405.80 | \$46,390.50 | \$27,971.70 |
| | | | | | |
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| | | | | | |
| | | | | | |
| TOTAL LABOR AND MATERIAL INCLUDING EXTRAS* TO COMPLETE. | | \$165,768.00 | \$91,405.80 | \$46,390.50 | \$27,971.70 |

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor
or other work of any kind done or to be done upon or in connection with said work other than above stated.

November 1, 2024
(DATE)

SIGNATURE: Paul HerreraSUBSCRIBED AND SWORN TO BEFORE ME THIS 1st DAY OF November, 2024.*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE
ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT.E. Venegas
NOTARY PUBLIC

ESMERALDA VENEGAS
Official Seal
Notary Public - State of Illinois
My Commission Expires Apr 9, 2025



Invoice INV-147887

Page 1 of 5

Bill To: C081243

Willow Stream Park
Attn: Accounts Payable
530 Bernard Dr
Buffalo Grove, IL 60089

Customer Order 0202204-THO2

Invoice Date 6/26/2024

Payment Terms Net 30 Days

1.5% monthly charge assessed on late payments

Freight Terms 3rd Party

Ship Via TL, UPS

Sales Order SO-01001442

Dealer 101 NuToys Leisure Products, Inc.

Project Name Parkchester Park - Buffalo Grove

Order Comments Mark For - C/O Herrera Construction
Parkchester Park - Buffalo Grove
Call Prior - 24 Hr Kyle Yates 630-723-7410
Ship Note - Third Party Bill
NuToys Leisure Products
PO Box 7075
Westchester, IL 60154

| Line | P & M Code | Item # | Description | Product Line | Quantity | Unit of Measure |
|------|------------|--------|---|--------------|----------|-----------------|
| 1 | A | 111685 | PLAYBOOSTER PLAYGROUND | 50 | 1.00 | EA |
| 2 | A | 229830 | Arcade Climber w/Permalene Handholds... | 50 | 1.00 | EA |
| 3 | A | 152907 | Deck Link w/Barriers 2 Steps | 50 | 1.00 | EA |
| 4 | A | 152907 | Deck Link w/Barriers 4 Steps | 50 | 1.00 | EA |
| 5 | A | 176078 | Lollipop Climber 72"Dk DB | 50 | 1.00 | EA |
| 6 | A | 157427 | Pod Climber No Handsupports 32"Dk DB | 50 | 1.00 | EA |
| 7 | A | 200609 | Traveler Climber w/2 Hanger Brackets | 50 | 1.00 | EA |
| 8 | A | 116249 | Vertical Ladder 32"Dk DB | 50 | 1.00 | EA |

Continued on next page



| <i>Line</i> | <i>P & M Code</i> | <i>Item #</i> | <i>Description</i> | <i>Product Line</i> | <i>Quantity</i> | <i>Unit of Measure</i> |
|-------------|---------------------------|---------------|--|-------------------------|-----------------|----------------------------|
| 9 | A | 122197 | 90* Triangular Tenderdeck Description: 90* Triangular Tenderdeck, Clamps/Ball Connectors: 418 Sky, Decks/Step Ladders: 166 Gray | 50 | 1.00 | EA |
| 10 | A | 152911 | Curved Transfer Module Right 32"Dk DB Description: Curved Transfer Module Right 32"Dk DB, Posts/Arches: 165 Matte Gray, Clamps/Ball Connectors: 418 Sky, Primary Permalene: 823 Recycled Green/Black, Barriers/Ladders/Benches: 166 Gray, Decks/Step Ladders: 166 Gray | 50 | 1.00 | EA |
| 11 | A | 111228 | Square Tenderdeck Description: Square Tenderdeck, Clamps/Ball Connectors: 418 Sky, Decks/Step Ladders: 166 Gray | 50 | 3.00 | EA |
| 12 | A | 111231 | Triangular Tenderdeck Description: Triangular Tenderdeck, Clamps/Ball Connectors: 418 Sky, Decks/Step Ladders: 166 Gray | 50 | 1.00 | EA |
| 13 | A | 116244 | Pipe Barrier Above Deck Description: Above Deck, Clamps/Ball Connectors: 418 Sky, Barriers/Ladders/Benches: 166 Gray | 50 | 1.00 | EA |
| 14 | A | 117680 | Pipe Barrier Tri-Deck Description: Pipe Barrier Tri-Deck, Clamps/Ball Connectors: 418 Sky, Barriers/Ladders/Benches: 166 Gray | 50 | 1.00 | EA |
| 15 | A | 201545 | PB Blender DB Description: Direct Bury, Clamps/Ball Connectors: 418 Sky, Play Components: 419 Peacock | 52 | 1.00 | EA |
| 16 | A | 193176 | Boogie Board DB Only Description: DB Only, Posts/Arches: 165 Matte Gray, Clamps/Ball Connectors: 418 Sky, Play Components: 419 Peacock, Primary Permalene: 823 Recycled Green/Black, Cables: 005 Black | 50 | 1.00 | EA |
| 17 | A | 111357 | Chinning Bar Alum DB Description: Chinning Bar Alum DB, Posts/Arches: 165 Matte Gray, Clamps/Ball Connectors: 418 Sky, Barriers/Ladders/Benches: 166 Gray | 50 | 1.00 | EA |
| 18 | A | 111275 | Handloop Assembly Description: Handloop Assembly, Clamps/Ball Connectors: 418 Sky, Barriers/Ladders/Benches: 166 Gray | 50 | 1.00 | EA |
| 19 | A | 111276 | Rail Assembly Description: Rail Assembly, Clamps/Ball Connectors: 418 Sky, Barriers/Ladders/Benches: 166 Gray | 50 | 1.00 | EA |
| 20 | A | 119613 | Wave Horizontal Ladder Description: Wave Horizontal Ladder, Clamps/Ball Connectors: 418 Sky, Play Components: 419 Peacock | 50 | 1.00 | EA |
| 21 | A | 111404 | 108"Alum Post DB Description: DB for 32"Deck 108"Alum Post, Posts/Arches: 165 Matte Gray | 50 | 3.00 | EA |
| 22 | A | 111404 | 108"Steel Post DB Description: DB for 32"Deck 108"Steel Post, Posts/Arches: 165 Matte Gray | 50 | 1.00 | EA |
| 23 | A | 111404 | 116"Alum Post DB Description: DB for 40"Deck 116"Alum Post, Posts/Arches: 165 Matte Gray | 50 | 1.00 | EA |
| 24 | A | 111404 | 124"Alum Post DB Description: DB for 48"Deck 124"Alum Post, Posts/Arches: 165 Matte Gray | 50 | 2.00 | EA |
| 25 | A | 111404 | 132"Steel Post DB Description: DB for 56"Deck 132"Steel Post, Posts/Arches: 165 Matte Gray | 50 | 2.00 | EA |
| 26 | A | 111404 | 156"Alum Post DB Description: DB for 80"Deck 156"Alum Post, Posts/Arches: 165 Matte Gray | 50 | 1.00 | EA |
| 27 | A | 111404 | 164"Alum Post DB Description: DB for 88"Deck 164"Alum Post, Posts/Arches: 165 Matte Gray | 50 | 2.00 | EA |

Continued on next page

| <i>Line</i> | <i>P & M Code</i> | <i>Item #</i> | <i>Description</i> | <i>Product Line</i> | <i>Quantity</i> | <i>Unit of Measure</i> |
|-------------|---------------------------|---------------|--|-------------------------|-----------------|----------------------------|
| 28 | A | 111404 | 182"Steel Post DB (44" Bury) Description: DB for 96"Deck 182"Steel Post (44"Bury), Posts/Arches: 165 Matte Gray | 50 | 3.00 | EA |
| 29 | A | 111403 | 190"Alum Post For Roof DB Description: DB for 80"Deck 190"Alum Roof Post, Posts/Arches: 165 Matte Gray | 50 | 4.00 | EA |
| 30 | A | 129816 | Square Peak Tile Roof Custom Logo Pa... Description: Square Peak Tile Roof Custom Logo Panel, Roofs: 421 Lagoon, Roof Logos: 802 Recycled Sky/Black | 50 | 1.00 | EA |
| 31 | A | 112500 | Custom Roof Logo Pair Description: ., Custom Logo Description: PARKCHESTER PARK, Roof Logos: 802 Recycled Sky/Black | 60 | 1.00 | EA |
| 32 | A | 130390 | Double Swoosh™ Slide 96" Dk DB Description: Double Swooshâ„¢ Slide 96"Dk DB, Posts/Arches: 165 Matte Gray, Clamps/Ball Connectors: 418 Sky, Slides/Tunnels/Gliders/E-Pods®: 421 Lagoon | 50 | 1.00 | EA |
| 33 | A | 124863 | SlideWinder2® 72"Dk DB 1 Straight 1 ... Description: 72"Dk DB 1 Straight 1 Right 1 Left, Posts/Arches: 165 Matte Gray, Clamps/Ball Connectors: 418 Sky, Slides/Tunnels/Gliders/E-Pods®: 421 Lagoon | 50 | 1.00 | EA |
| 34 | A | 111783 | IND PLAY COMPONENTS IND PLAY COMPONENTS | 52 | 1.00 | EA |
| 35 | A | 200677 | IP Wee Planet Climber DB Description: Wee Planet Climber DB, Play Components: 419 Peacock, Primary Permalene: 823 Recycled Green/Black | 35 | 1.00 | EA |
| 36 | A | 247179 | CURVA™ SPINNER DB Description: Direct Bury Only, Play Components: 419 Peacock | 52 | 1.00 | EA |
| 37 | A | 121874 | Curved Track Ride w/Alum Posts DB Only Description: Curved Track Ride w/Alum Posts DB Only, Posts/Arches: 165 Matte Gray, Clamps/Ball Connectors: 418 Sky, Decks/Step Ladders: 166 Gray | 52 | 1.00 | EA |
| 38 | A | 164075 | Double Bobble Rider DB Description: DB, Play Components: 419 Peacock | 52 | 1.00 | EA |
| 39 | A | 173591 | OmniSpin Spinner Surface Mount Description: Surface Mount, Slides/Tunnels/Gliders/E-Pods®: 421 Lagoon | 52 | 1.00 | EA |
| 40 | A | 298208 | Symbol Communication Sign w/DB Posts Description: Direct Bury, Posts/Arches: 165 Matte Gray | 52 | 1.00 | EA |
| 41 | A | 182503 | Welcome Sign (LSI Provided) Ages 5-1... Description: Welcome Sign (LSI Provided) Ages 5-12 years Direct Bury, Posts/Arches: 165 Matte Gray | 20 | 1.00 | EA |
| 42 | A | 146007 | BIT 5/16 6-LOBE T45 TAMP BIT 5/16 6-LOBE T45 TAMP 6-LOBE T45 TAMPER-RESISTANT 5/16i HEX BIT | 60 | 3.00 | EA |
| 43 | A | 146017 | L-KEY 6-LOBE T45 TAMP L-KEY 6-LOBE T45 TAMP 6-LOBE T45 TAMPER-RESISTANT L-KEY WRENCH 5/16i | 60 | 3.00 | EA |
| 44 | A | 251713 | 5i Formed Play Safe Plate 5-12 Years... 5i Formed Play Safe Plate 5-12 Years w/Attaching HDW | 60 | 2.00 | EA |
| 45 | A | 101215 | SDS Touch Up Paint SDS Touch Up Paint - 165 Matte Gray | 60 | 1.00 | EA |
| 46 | A | 101219 | Touch Up Paint 4.5oz Can Touch Up Paint 4.5oz Can - 165 Matte Gray | 60 | 1.00 | EA |

Continued on next page

| <i>Line</i> | <i>P & M Code</i> | <i>Item #</i> | <i>Description</i> | <i>Product Line</i> | <i>Quantity</i> | <i>Unit of Measure</i> |
|-------------|---------------------------|---------------|--|-------------------------|-----------------|----------------------------|
| 47 | A | 101215 | SDS Touch Up Paint SDS Touch Up Paint - 418 Sky | 60 | 1.00 | EA |
| 48 | A | 101219 | Touch Up Paint 4.5oz Can Touch Up Paint 4.5oz Can - 418 Sky | 60 | 1.00 | EA |
| 49 | A | 101215 | SDS Touch Up Paint SDS Touch Up Paint - 419 Peacock | 60 | 1.00 | EA |
| 50 | A | 101219 | Touch Up Paint 4.5oz Can Touch Up Paint 4.5oz Can - 419 Peacock | 60 | 1.00 | EA |
| 51 | AZ | 114648 | Maintenance Kit Item Count: 4, Item 1 Number: Proshield Touch-Up, Item 1 Color: 165 Matte Gray, Item 1 Quantity: 1, Item 2 Number: Proshield Touch-Up, Item 2 Color: 418 Sky, Item 2 Quantity: 1, Item 3 Number: Proshield Touch-Up, Item 3 Color: 419 Peacock, Item 3 Quantity: 1, Item 4 Number: TenderTuff Touch-Up, Item 4 Color: 166 Gray, Item 4 Quantity: 1 | 60 | 1.00 | EA |
| 52 | B | 111685 | PLAYBOOSTER PLAYGROUND PLAYBOOSTER PLAYGROUND | 50 | 1.00 | EA |
| 53 | B | 193168 | Netplex 7-Post No Roof Description: Netplex 7-Post No Roof, Posts/Arches: 165 Matte Gray, Roofs: 421 Lagoon | 50 | 1.00 | EA |
| 54 | B | 193175 | Skyport Climber for 7-Post Mainstruc... Description: Skyport Climber for 7-Post Mainstructure DB Only, Clamps/Ball Connectors: 418 Sky, Cables: 005 Black | 50 | 1.00 | EA |
| 55 | B | 111783 | IND PLAY COMPONENTS IND PLAY COMPONENTS | 52 | 1.00 | EA |
| 56 | B | 176457 | Roller Table DB Description: DB, Play Components: 419 Peacock, Wheels/Rings/Rollers: 166 Gray, Barriers/Ladders/Benches: 166 Gray | 52 | 1.00 | EA |
| 57 | B | 174018 | Belt Seat ProGuard Chains for 8' Bea... Description: Belt Seat ProGuard Chains for 8' Beam Height | 52 | 2.00 | EA |
| 58 | B | 176038 | Full Bucket Seat ProGuard Chains for... Description: Full Bucket Seat ProGuard Chains for 8' Beam Height | 52 | 1.00 | EA |
| 59 | B | 177351 | Molded Bucket Seat w/Harness ProGuar... Description: Molded Bucket Seat w/Harness ProGuard Chains for 8' Beam Height, Molded Bucket Seats: 421 Lagoon, Seat Harness: 023 Green | 52 | 1.00 | EA |
| 60 | B | 177332 | Single Post Swing Frame 8' Beam Heig... Description: Single Post Swing Frame 8' Beam Height Only, Posts: 165 Matte Gray, Beams: 419 Peacock, Clamps: 418 Sky | 52 | 1.00 | EA |
| 61 | B | 177333 | Single Post Swing Frame Additional B... Description: Single Post Swing Frame Additional Bay 8' Beam Height Only, Posts: 165 Matte Gray, Beams: 419 Peacock, Clamps: 418 Sky | 52 | 1.00 | EA |
| 62 | B | 146007 | BIT 5/16 6-LOBE T45 TAMP BIT 5/16 6-LOBE T45 TAMP 6-LOBE T45 TAMPER-RESISTANT 5/16i HEX BIT | 60 | 3.00 | EA |
| 63 | B | 146017 | L-KEY 6-LOBE T45 TAMP L-KEY 6-LOBE T45 TAMP 6-LOBE T45 TAMPER-RESISTANT L-KEY WRENCH 5/16i | 60 | 3.00 | EA |
| 64 | B | 251713 | 5i Formed Play Safe Plate 5-12 Years... 5i Formed Play Safe Plate 5-12 Years w/Attaching HDW | 60 | 1.00 | EA |

Continued on next page

| <i>Line</i> | <i>P & M Code</i> | <i>Item #</i> | <i>Description</i> | <i>Product Line</i> | <i>Quantity</i> | <i>Unit of Measure</i> |
|-------------|-----------------------|---------------|--|---------------------|-----------------|------------------------|
| 65 | B | 101215 | SDS Touch Up Paint SDS Touch Up Paint - 165 Matte Gray | 60 | 1.00 | EA |
| 66 | B | 101219 | Touch Up Paint 4.5oz Can Touch Up Paint 4.5oz Can - 165 Matte Gray | 60 | 1.00 | EA |
| 67 | B | 101215 | SDS Touch Up Paint SDS Touch Up Paint - 418 Sky | 60 | 1.00 | EA |
| 68 | B | 101219 | Touch Up Paint 4.5oz Can Touch Up Paint 4.5oz Can - 418 Sky | 60 | 1.00 | EA |
| 69 | B | 101215 | SDS Touch Up Paint SDS Touch Up Paint - 419 Peacock | 60 | 1.00 | EA |
| 70 | B | 101219 | Touch Up Paint 4.5oz Can Touch Up Paint 4.5oz Can - 419 Peacock | 60 | 1.00 | EA |
| 71 | BZ | 114648 | Maintenance Kit Item Count: 4, Item 1 Number: Proshield Touch-Up, Item 1 Color: 165 Matte Gray, Item 1 Quantity: 1, Item 2 Number: Proshield Touch-Up, Item 2 Color: 418 Sky, Item 2 Quantity: 1, Item 3 Number: Proshield Touch-Up, Item 3 Color: 419 Peacock, Item 3 Quantity: 1, Item 4 Number: TenderTuff Touch-Up, Item 4 Color: 166 Gray, Item 4 Quantity: 1 | 60 | 1.00 | EA |

Equipment **\$147,188.00**

Delivery **\$9,138.00**

Sales Order Summary

Order Total \$159,086.00
Invoiced to Date \$159,086.00
Remaining to Invoice \$0.00

Invoice Amount **\$159,086.00**

| | Date | Invoice | Amount |
|-----------------|-------------|----------------|---------------|
| Current Invoice | 6/26/2024 | INV-147887 | \$159,086.00 |
| Prior Invoice | 6/24/2024 | INV-147743 | \$0.00 |

Remit to: **Reference Invoice # INV-147887**
Landscape Structures Inc.
SDS 12-0395 PO BOX 86
Minneapolis, MN 55486-0395

Your Account Representative is:
Lynn Bartels
763-972-5208
LynnBartels@playlsi.com

| Project Type (From above) | Media File #/Name | Project Category Cost | ADA Portion of Project Category Cost | % ADA Dollars Requested |
|--|-------------------|-----------------------|--------------------------------------|-------------------------|
| Parkchester Asphalt Paved Routes and Surfaces | | \$35,438.00 | \$1,771.00 | 5.00% |
| Parkchester Asphalt Paved Routes and Surfaces | | \$98,826.00 | \$61,766.00 | 62.50% |
| Parkchester Concrete Paved Routes and Surfaces | | \$46,034.50 | \$28,771.00 | 62.50% |
| Parkchester Poured in Place Concrete Routes and Surfaces | | \$189,255.00 | \$189,255.00 | 100.00% |
| Parkchester ADA Signage | | \$600.00 | \$600.00 | 100.00% |
| Parkchester Installatic Playground-Play Component | | \$40,450.00 | \$8,090.00 | 20.00% |
| Parkchester Purchase Playground-Play Component | | \$64,470.00 | \$12,894.00 | 20.00% |
| Parkchester Roller Top Playground-Play Component | | \$15,060.00 | \$3,012.00 | 20.00% |
| Parkchester OmniSpin Playground-Play Component | | \$14,151.00 | \$14,151.00 | 100.00% |
| Parkchester Communi Playground-Play Component | | \$2,095.00 | \$2,095.00 | 100.00% |
| Parkchester Design Engineering-Consultants | | \$133,800.00 | \$13,380.00 | 10.00% |
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| Total Project Cost | \$ | 640,179.50 | | |
| Total ADA Portion of Project Cost | \$ | 335,785.00 | | |
| Total % of ADA Dollars Requested | | 52.45% | | |