



## PROJECT MANUAL

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### **2024 Asphalt Bid – Various Sites**

**BID OPENING**

on

**Thursday, April 11, 2024**

**1:00 pm**

at

Arlington Heights Park District Administrative Offices  
410 N. Arlington Heights Road  
Arlington Heights, Illinois 60004



## ADVERTISEMENT FOR BID

Project Name: 2024 Asphalt Bid – Various Parks

Notice is hereby given to potential Bidders that the Arlington Heights Park District (the “District,” “Park District” or “Owner”) will receive sealed bids for the above referenced Project until **1:00 PM on Thursday, April 11, 2024**, at the Arlington Heights Park District, 410 N. Arlington Heights Road, Arlington Heights, Illinois 60004 at which time the bid proposals will be publicly opened and read aloud. Scope of work includes: **This project will include demolition of asphalt and some concrete. It includes removing and replacing asphalt paths and Sport Courts, some patching and crack filling, plus the installation of some fencing.**

Each bid must be placed in a sealed opaque envelope and shall be clearly marked "**Bid 2024 Asphalt – Various Parks**" and addressed and delivered to the Arlington Heights Park District, Attention: **BID Dept.**, 410 N. Arlington Heights Road, Arlington Heights, Illinois 60004. Bid Documents may be obtained from the Arlington Heights Park District website: [www.ahpd.org](http://www.ahpd.org). For more information, contact **Susan Rohner, Park Planner** at [srohner@ahpd.org](mailto:srohner@ahpd.org).

An optional pre-bid meeting will be held at Melas Park located at 1500 W. Central Rd, Mount Prospect, Illinois **on Thursday, April 4<sup>th</sup> at 10:00AM**. This meeting will be used to review the Specifications and give Bidders the chance to discuss concerns with the Owner. **After Thursday, April 4<sup>th</sup> at 4pm**, no more questions will be taken. Any addenda will be issued the following week, to allow all Bidders enough time to complete their proposals.

The District reserves the right to waive all technicalities, to accept or reject any or all bids, or to accept only portions of a bid and reject the remainder without disclosure for any reason. Failure to make such a disclosure will not result in accrual of any right, claim or cause of action by any Bidder against the District. Owner will award the Contract to the lowest most responsible and responsive Bidder, as determined by Owner. In considering the Bidder’s responsibility, the Owner may evaluate, among other factors, the ability of the Bidder to provide experienced labor sufficient in numbers to timely and properly complete the Work, the financial capability of the Bidder, and the performance of the Bidder on other projects.

Bids shall not include federal excise tax or state sales tax for materials to be incorporated in, or totally consumed in the prosecution of the Work. A tax exemption certificate will be furnished by the Park District at the request of the Bidder. The Park District’s tax exemption number shall only be used by the successful Bidder for the Work of this Project only.

After the bid opening, no bid may be withdrawn or canceled for a period of (60) calendar days.

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

All bids must be accompanied by cashier’s check, certified check, or bid bond payable to the order of the Arlington Heights Park District for ten percent (10%) of the amount of the bid as provided in the Instructions to Bidders. No proposals or bids will be considered unless accompanied by such bond or check.

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

**By Order Of:**  
**Board of Park Commissioners**  
**Arlington Heights Park District 3/12/24**



## INSTRUCTIONS TO BIDDERS

DATE: 03/26/2024

### PROJECT NAME: 2024 Asphalt Bid – Various Sites

Notice is hereby given to potential Bidders that the Arlington Heights Park District (the “District,” “Park District” or “Owner”) will receive sealed bids for the above referenced Project until **1:00 PM on Thursday, April 11, 2024**, at the Arlington Heights Park District, 410 N. Arlington Heights Road, Arlington Heights, Illinois 60004 at which time the bid proposals will be publicly opened and read aloud. Scope of work includes: **This project will begin May 1, weather permitting and will include demolition of asphalt and some concrete. It includes removing and replacing asphalt paths and Sport Courts, some patching and crack filling, plus the installation of some fencing.**

Each bid must be placed in a sealed opaque envelope and shall be clearly marked "**Bid- 2024 Asphalt– Various Parks**" and addressed and delivered to the Arlington Heights Park District, Attention: **BID Dept.**, 410 N. Arlington Heights Road, Arlington Heights, Illinois 60004. Bid Documents may be obtained from the Arlington Heights Park District website: [www.ahpd.org](http://www.ahpd.org). For more information, contact **Susan Rohner, Park Planner** at [srohner@ahpd.org](mailto:srohner@ahpd.org).

An optional pre-bid meeting will be held at Melas Park, a joint venture, located at 1500 W. Central Rd, Mount Prospect, Illinois **on Thursday, April 4<sup>th</sup> at 10:00AM**. This meeting will be used to review the Specifications and give any Bidders the opportunity to discuss any concerns with the Owner. **After Thursday, April 4 at 4pm**, no more questions will be taken. Any addenda will be issued the following week, to allow all Bidders enough time to complete their proposals.

The District reserves the right to waive all technicalities, to accept or reject any or all bids, or to accept only portions of a bid and reject the remainder without disclosure for any reason. Failure to make such a disclosure will not result in accrual of any right, claim or cause of action by any Bidder against the District. Owner will award the Contract to the lowest most responsible and responsive Bidder, as determined by Owner. In considering the Bidder’s responsibility, the Owner may evaluate, among other factors, the ability of the Bidder to provide experienced labor sufficient in numbers to timely and properly complete the Work, the financial capability of the Bidder, and the performance of the Bidder on other projects.

Bids shall not include federal excise tax or state sales tax for materials to be incorporated in, or totally consumed in the prosecution of the Work. A tax exemption certificate will be furnished by the Park District at the request of the Bidder. The Park District’s tax exemption number shall only be used by the successful Bidder for the Work of this Project only.

After the bid opening, no bid may be withdrawn or canceled for a period of (60) calendar days.

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

All bids must be accompanied by cashier’s check, certified check, or bid bond payable to the order of the Arlington Heights Park District for ten percent (10%) of the amount of the bid as provided in the Instructions to Bidders. No proposals or bids will be considered unless accompanied by such bond or check.

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

**By Order Of:**  
**Board of Park Commissioners**  
**Arlington Heights Park District 3/26/24**

## 1. Preparation and Submission of Bid Proposal

It is the sole responsibility of the Bidder to see that his bid is received in proper time. **No faxed or e-mail bid or modification of a bid will be considered.** The Park District is not responsible for the premature opening of bids not marked as required. Any bid opened prematurely due to the failure of the Bidder to mark the envelope in accordance with these Bid Documents will be considered non-responsive. Bidders' prices are to include the delivery of all materials; including; equipment, supplies, tools, scaffolding, transportation, insurances, bonds, warranties, and all other items and facilities, and the performance of all labor and services, necessary for the proper completion of the Work except as may be otherwise expressly provided in the Contract Documents. Bids shall not include federal excise tax or state sales tax for materials to be incorporated in, or totally consumed in the prosecution of, the Work. An exemption certificate will be furnished by the Park District upon request of the Bidder.

Bidder must acknowledge all Addenda received in the spaces provided on the Contractor Bid Form. By submitting a bid, Bidder indicates that all considerations issued by Addendum are incorporated in the bid.

Bidders shall return all Bid Documents, including Drawings and Specifications with the bid, and **no sheets shall be detached from any part of the Bid Documents.**

Attached to the Bid Form will be one or more certifications regarding the Bidder's compliance with applicable laws. **Failure of a Bidder to complete/submit a required certification shall be the basis for immediate rejection of that Bidder's bid.** The certification of the successful Bidder shall become a part of the Contract with the Park District.

The Bidder shall submit its prices on the attached Bid Proposal Form. The Bid Proposal Form shall be executed properly and all writing, including all signatures, shall be with black ink. Failure to use the Bid Proposal Form provided could result in rejection of the bid. Do not detach any portion of this document; invalidation of the bid could result.

The Bidder shall specify in figures, in the places provided, a price for each of the separate items called for in the Bid Form.

## 2. Requirement of Bidders

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

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

On a separate sheet, list at least five (5) service contracts your organization has completed in the past two (2) years, which are comparable in scope, giving the name of the client, client contact and telephone number, and length of contract.

On a separate sheet, list all administrative proceedings and litigation filed by or against Bidder in the past five (5) years, including the name and case number, name/jurisdiction of the court or administrative agency, and a summary of each claim/case, including current status and if no longer pending, the disposition. The foregoing

includes but is not limited to information regarding any proceedings and actions taken by any governmental agency to debar or disqualify the Bidder from bidding on public contracts, including the name of the agency initiating the proceeding/action, the nature of the proceeding/action, the claimed basis for the proceeding/action and the current status or disposition of the proceeding/action.

**Initial here if there is nothing to disclose:** \_\_\_\_\_

On a separate sheet, indicate all instances in which Bidder has been rejected for not being a responsible bidder, giving the name of the client, client contact and telephone number, and an explanation of the circumstances surrounding the rejection.

**Initial here if there is nothing to disclose:** \_\_\_\_\_

On a separate sheet, provide a list of all contracts to which you were a party and with respect to which you were declared to be in breach of one or more provisions, giving the type of contract, the project location where applicable, the names and addresses of the parties to the contract, the name of the party declaring the breach, the nature of the claimed breach and current status or resolution of the claim.

**Initial here if there is nothing to disclose:** \_\_\_\_\_

Other required submittals include: Bid Proposal; Contractor's Compliance and Certifications. **Failure of a Bidder to complete/submit these documents shall be the basis for immediate rejection of that Bidder's bid.**

### **3. Examination of Site, Drawings, Specifications**

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

The failure or omission of any Bidder to obtain, receive or examine any form, instrument, or information or to visit the Project site(s), and become knowledgeable with respect to conditions there existing, or to seek needed clarification shall in no way relieve any Bidder from any obligations with respect to his/her bid. By submitting a bid, the Bidder agrees, represents and warrants that he has undertaken such investigation as he deemed necessary, has examined the site(s) and the Bid Documents, has obtained all needed clarifications and where the Bid Documents indicate in any part of the Work, that a given result be produced, that the Bid Documents are adequate and the required result can be produced as indicated in the Specifications and Drawing(s). Once the award has been made, failure to have undertaken and completed the foregoing tasks shall not be cause to alter the original Contract or to request additional compensation.

### **4. Acceptance or Rejection of Bids**

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

The Owner reserves the right to (1) reject all bids; (2) reject only certain bids which are non-conforming or non-responsive to the bid requirements; (3) accept only a portion, part or specific items of Work of all and reject others, as the Owner shall in its sole discretion determine to be in its best interest; and/or (4) award the Contract to the responsible Bidder submitting the lowest bid responsive to the bidding requirements.

No bid will be accepted from or Contract awarded to any person, firm or corporation that is in arrears or is in default to the Park District upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to said Park District or that has failed to perform faithfully any previous contract with the Park District.

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

## **5. Surety**

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

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

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

The Performance Bond and Labor and Material Payment Bond will become a part of the Contract. The failure of the successful Bidder to enter into the Contract and supply the required bonds and evidence of insurance within ten (10) days after the Contract is presented for signature, or within such extended period as the Park District may grant, shall constitute a default, and the Park District may either award the Contract to the next responsible Bidder, or re-advertise for bids. In the event of a default, the Owner need not return the defaulting Bidder's bid surety and may charge against the defaulting Bidder for the full difference between the amount for the bid and the amount for which a Contract for the Work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the defaulting Bidder's bid surety.

## **6. Withdrawal of Bid**

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

## **7. Award, Acceptance and Contract**

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

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

Bids will be awarded to one Bidder for the entire Project or to any series of Bidders for an appropriate proportion of the Project. If specified in the Bid Form, awards will be based upon the submitted unit prices.

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

The Invitation to Bid, Instructions to Bidders, General Conditions, Supplementary and/or Special Conditions, if any, Drawings, Specifications, Contractor Bid Proposal Form, Addenda, if any, Contractors Compliance and Certifications Attachment, and Substance Abuse Certification and the Prevailing Wage Determination and Supersedes Notice comprise the Bid Documents. The Bid Documents, together with the Standard /Form of Agreement between Owner and Contractor AIA Document A101-2017, as modified by the Park District (or such other form of agreement or contract selected by Owner), and the Performance Bond and Labor Material Payment Bond and proof of insurance comprise the Contract Documents.

## **8. Interpretation of the Contract Documents**

The Park District shall in all cases determine the amount or quantity of the several kinds of Work which are to be paid for under this Contract, and shall decide all questions which may arise relative to the execution of the Contract on the part of the Contractor, and all estimates and decisions shall be final and conclusive. The Park District shall have the right to make alterations in the lines, grades, plans, forms, or dimensions of the Work herein contemplated either before or after the commencement of the Work. If such alterations diminish the quantity of the Work to be done, they shall not constitute a claim for damage or for anticipated profits on the work dispensed with, or if they increase the amount of Work, such increase shall be paid according to the quantity actually done and at the price or prices stipulated for such Work in the Contract. The Park District reserves the right to approve, an equal to or superior to product or equipment required under the Specifications, or to reject as not being and equal to or superior to the product or equipment required under the Specifications. If the Bidder is in doubt as to the interpretation of any part of the Bid

Documents, or finds errors, discrepancies or omissions from any part of the Contract Documents, he must submit a written request for interpretation thereof not later than three (3) days prior to opening of bids to the Park District. Address all communications to [srohner@ahpd.org](mailto:srohner@ahpd.org) at the Park District. If an error or omission is discovered in the Bid Documents after the bid opening, the Park District reserves the right: i) to determine whether to require the submission of new bids; or ii) if the error or omission is of such a nature that it was reasonably discoverable upon a careful review of the Bid Documents, to award the Contract to the lowest responsive and responsible Bidder as determined by the Park District and to require that Contractor to perform the Work in accordance with an issued correction by the Park District and/or Architect and for the amount bid by the Contractor. Such decisions are final and not subject to recourse. Errors and omissions made by the Bidder cannot be corrected after the bid opening.

## **9. Addenda**

**Addenda questions are due BY 4pm on Thursday, April 4.** Any interpretation, correction to, or addition to the Bid Documents will be made by written Addendum and will be delivered by Email or fax to each prime Bidder of record. The written Addenda constitute the only interpretations of the Bid Documents; the Park District accepts no responsibility for any other claimed interpretations or communications.

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

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

## **10. Substitutions during Bidding**

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

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

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



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

### **GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION**

The American Institute of Architects "AIA Document A201-2017 General Conditions of the Contract for Construction," 2007 Edition, as modified by Owner, and included in this Project Manual are the General Conditions.

### **SUPPLEMENTAL CONDITIONS**

The "General Conditions of the Contract, AIA Document A201, 2017 Edition" (the "General Conditions"), as modified by Owner, are hereby amended to include the following:

#### **I. Insurance and Indemnity Requirements**

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

- A. Commercial General and Umbrella Liability Insurance.** Contractor shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella insurance with a limit of not less than **\$3,000,000 each occurrence**. If such CGL insurance contains a general aggregate limit, it shall apply separately to this project/location. CGL insurance shall be written on Insurance Services Office (ISO) occurrence form CG 00 01, or a substitute form providing equivalent coverage, and shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal injury and advertising injury, and liability assumed under an insured contract (including the tort liability of another assumed in a business contract). Owner, its elected and appointed officials, officers, employees and agents shall be included as an insured under the CGL, **using ISO additional insured endorsement CG 20 10** or a substitute providing equivalent coverage, and under the commercial umbrella, if any. This insurance shall apply as primary insurance with respect to any other insurance or self-insurance afforded to Owner. There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability arising from pollution, explosion, collapse, or underground property damage.
  
- B. Continuing Completed Operations Liability Insurance.** Contractor shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella liability insurance with a limit of not less than \$3,000,000 each occurrence for at least three years following substantial completion of the work. Continuing CGL insurance shall be written on ISO occurrence form CG 00 01, or substitute form providing equivalent coverage, and shall, at minimum, cover liability arising from products-completed operations and liability assumed under an insured contract. Continuing CGL insurance shall have a products-completed operations aggregate of at least two times its each occurrence limit. Continuing commercial umbrella coverage, if any, shall include liability coverage for damage to the insured's completed work equivalent to that provided under ISO form CG 00 01.
  
- C. Business Auto and Umbrella Liability Insurance.** Contractor shall maintain business auto liability and, if necessary, commercial umbrella liability insurance with a limit of not less than \$1,000,000 each accident. Such insurance shall cover liability arising out of any auto including owned, hired and non-owned autos. Business auto insurance shall be written on Insurance Services Office (ISO) form CA 00 01, CA 00 05, CA 00

12, or a substitute form providing equivalent liability coverage equivalent to that provided in the 1990 and later editions of CA 00 01.

**D. Workers Compensation Insurance.** Contractor shall maintain workers compensation as required by statute and employers liability insurance. The commercial umbrella and/or employers liability limits shall not be less than \$1,000,000 each accident for bodily injury by accident or \$1,000,000 each employee for bodily injury by disease. If Owner has not been included as an insured under the CGL using ISO additional insured endorsement CG 20 10 under the Commercial General and Umbrella Liability Insurance required in this Contract, the Contractor waives all rights against Owner and its officers, officials, employees, volunteers and agents for recovery of damages arising out of or incident to the Contractors work.

**E. General Insurance Provisions.**

**1. Evidence of Insurance.** Prior to beginning Work, Contractor shall furnish Owner with a certificate of insurance and applicable policy endorsements, executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements set forth above. All certificates shall provide for 30 days written notice to Owner prior to the cancellation or material change of insurance referred to therein. Written notice to Owner shall be by certified mail, return receipt requested. Failure of Owner to demand such certificate, endorsement or other evidence of full compliance with these insurance requirements or failure of Owner to identify a deficiency from evidence that is provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance. Owner shall have the right, but not the obligation, of prohibiting Contractor or any subcontractor from entering the Project site until such certificates or other evidence that insurance has been placed in complete compliance with these requirements is received and approved by Owner. Failure to maintain the required insurance may result in termination of this Contract at Owner's option. With respect to insurance maintained after final payment in compliance with a requirement above, an additional certificate shall provide certified copies all insurance policies required above within 10 days of Owner's written request for said copies.

**2. Acceptability of Insurers.** For insurance companies which obtain a rating from A.M. Best, that rating should be no less than A VII using the most recent edition of the A.M. Bests Key Rating Guide. If the Bests rating is less than A VII or a Best's rating is not obtained, tile Owner has the right to reject insurance written by an insurer it deems unacceptable.

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

**4. Deductibles and Self-Insured Retentions.** Any deductibles or self-insured retentions must be declared to the Owner. At the option of the Owner, the Contractor may be asked to eliminate such deductibles or self-insured retentions as respects the Owner, its officers, officials, employees, volunteers and agents or required to procure a bond guaranteeing payment of losses and other related costs including but not limited to investigations, claim administration and defense expenses.

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

**F. Indemnification**

To the fullest extent permitted by law, the Contractor shall waive all right of contribution and shall indemnify and hold harmless the Owner and its officers, officials, employees, volunteers and agents from and against all claims, damages, losses and expenses, including but not limited to legal fees (attorney's and paralegals fees and court costs), arising out of or resulting from the performance of the Contractor's work, provided

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

**BID PROPOSAL**

Bidder is:

An Individual:

By: \_\_\_\_\_ (SEAL)  
(Individual's Name)

Doing business as \_\_\_\_\_

Business Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

A Partnership:

By: \_\_\_\_\_ (SEAL)  
(Firm Name)

\_\_\_\_\_  
(General Partner)

Business Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

A Corporation:

By: \_\_\_\_\_ (SEAL)  
(Corporation Name)

\_\_\_\_\_  
(State of Incorporation)

By: \_\_\_\_\_  
(Name of Person Authorized to Sign)

Title: \_\_\_\_\_ Attest \_\_\_\_\_  
(Secretary)

(CORPORATE SEAL)

Business Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

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

1. That it has visited and examined the site, and is fully familiar with and has satisfied itself as to the site and the local and other conditions under which the Work is to be performed, including without limitation, (i) surface conditions of the site and subsurface conditions readily observable or ascertainable upon the exercise of reasonable diligence and all structures and obstructions thereon and

thereunder, both natural and manmade; (ii) the nature, location, and character of the general area in which the Project is located, including without limitation, its climatic conditions, available labor supply and labor costs, and available equipment supply and equipment costs; and (iii) the quality and quantity of all materials, supplies, tools, equipment, labor, and professional services necessary to complete the Work in the manner and within the cost and time frame indicated by the Contract Documents; and has correlated the Bidder's personal observations with the requirements of and matters indicated in or by the proposed Contract Documents;

2. To hold the bid open for sixty (60) days subsequent to the date of the bid opening;
3. To enter into and execute a Contract with the Owner within ten (10) days after the date of the Notice of Award, if awarded on the basis of this bid, and in connection therewith to:
  - (a) Furnish all bonds and insurance required by the Contract Documents;
  - (b) Accomplish the Work in accordance with the Contract Documents; and
  - (c) Complete the Work within the time requirements as set forth in the Contract Documents;
4. That the Bidder has carefully examined the Instructions to Bidders, the Drawings and Specifications, and the Project Manual in its entirety, in order to determine how these affect the bid proposal, the forms of the Contract, the required Contract bonds, and duration thereof, and that the Bidder has inspected in detail the site of the proposed Work, and been familiarized with all of the requirements of construction, and of the governing municipalities under whose jurisdiction the Project falls (its codes, ordinances and construction requirements therein), and understands that in making this proposal, the Bidder waives all rights to plead any misunderstanding regarding the same;
5. That if this proposal is accepted, the Bidder is to provide all of the necessary equipment, tools, apparatus, labor, and other means of construction, and to do all of the Work and to furnish all of the materials specified in the Contract Documents in the manner and at the time therein prescribed, and in accordance with the requirements set forth;
6. To furnish a Bid Bond in accordance with the Instructions to Bidders;
7. To furnish Performance/Labor and Material Payment Bond in accordance with the Instructions to Bidders;
8. To commence Work as specified in the Instructions to Bidders, and to prosecute the Work in such a manner, and with sufficient materials, equipment and labor as will ensure its completion within reasonable time, it being understood and agreed that the completion within such reasonable time is an essential part of this Contract;
9. That he has checked carefully the bid figures and understands that he shall be responsible for any errors or omissions based on these Specifications and alternates as submitted on the Bid Proposal Form;
10. That it is understood and agreed that the Arlington Heights Park District reserves the right to: a) accept or reject any or all bids; b) waive any technicalities; c) award to one Bidder the entire Project or to any series of Bidder for an appropriate proportion of the Project; and d) accept Alternates in any order or combination and to determine low Bidder on the basis of the sum of the Base Bid and Alternates accepted.

Submitted this \_\_\_\_ day of \_\_\_\_\_, 2024

Name: \_\_\_\_\_  
By: \_\_\_\_\_  
Signature \_\_\_\_\_  
Title: \_\_\_\_\_

SUBSCRIBED AND SWORN TO before me  
this \_\_\_\_\_ day of \_\_\_\_\_ 2024

\_\_\_\_\_  
Notary Public

STATE OF ILLINOIS     )  
  )  
COUNTY OF \_\_\_\_\_ )

## CONTRACTOR COMPLIANCE AND CERTIFICATIONS ATTACHMENT

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

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

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

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

- G. Contractor shall abide by the "Employment of Illinois Workers on Public Works Act" (30 ILCS 570/0.01 *et seq.*) which stipulates that whenever there is a period of excessive unemployment in Illinois, defined as any month immediately following two (2) consecutive calendar months during which the level of unemployment in Illinois exceeds five percent (5%) as measured by the U.S. Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the Contractor shall employ not less than ninety percent (90%) Illinois laborers unless otherwise exempted as so stated in the Act. ("Illinois laborer" means any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident). Other laborers may be used if Illinois laborers are not available or are incapable of performing the particular type of work involved if so certified by the Contractor and approved by the Owner.
- H. (i) Contractor's bid proposal was made without any connection or common interest in the profits anticipated to be derived from the Contract by Contractor with any other persons submitting any bid or proposal for the Contract; (ii) the Contract terms are in all respects fair and the Contract will be entered into by Contractor without collusion or fraud; (iii) no official, officer or employee of the Owner has any direct or indirect financial interest in Contractor's bid proposal or in Contractor, (iv) the Contractor has not directly or indirectly provided, and shall not directly or indirectly provide, funds or other consideration to any person or entity (including, but not limited to, the Owner and the Owner's employees and agents), to procure improperly special or unusual treatment with respect to this Agreement or for the purpose of otherwise improperly influencing the relationship between the Owner and the Contractor. Additionally, the Contractor shall cause all of its officers, directors, employees, (as the case may be) to comply with the restrictions contained in the preceding sentence.
- I. Contractor knows and understands the Equal Employment Opportunity Clause administered by the Illinois Department of Human Rights, which is incorporated herein by this reference, and agrees to comply with the provisions thereof. Contractor further certifies that Contractor is an "equal opportunity employer" as defined by Section 2000 (e) of Chapter 21, Title 42 of the United States Code Annotated and Executive Orders #11246 and #11375 as amended, which are incorporated herein by this reference.
- J. Neither Contractor nor any substantially owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act.
- K. Contractor is not barred from contracting with the Owner because of any delinquency in the payment of any tax administered by the Illinois Department of Revenue, unless it is being contested. Contractor further certifies that it understands that making a false statement regarding delinquency in taxes is a Class A misdemeanor and, in addition, voids the Contract and allows the Owner, a municipal entity, to recover in a civil action all amounts paid to the Contractor.
- L. If Contractor has 25 or more employees at the time of letting of the Contract, Contractor knows, understands and acknowledges its obligations under the Illinois Drug Free Workplace Act (30 ILCS 580/1 *et seq.*) and certifies that it will provide a drug-free workplace by taking the actions required under, and otherwise implementing on a continuing basis, Section 3 of the Drug Free Workplace Act. Contractor further certifies that it has not been debarred and is not ineligible for award of this Contract as the result of a violation of the Illinois Drug Free Workplace Act.



- M. Contractor knows, understands and acknowledges its obligations under the Substance Abuse Prevention on Public Works Act, 820 ILCS 265/1 *et seq.* A true and complete copy of Contractor's Substance Abuse Prevention Program Certification is attached to and made a part of this Contractor Compliance and Certification Attachment.
  
- N. The Contractor shall comply with the requirements and provisions of the Freedom of Information Act (5 ILCS 140/1 *et. seq.*) and, upon request of the Arlington Heights Park District's designated Freedom of Information Act Officer (FOIA Officer), Contractor shall within two (2) business days of said request, turn over to the FOIA Officer any record in the possession of the Contractor that is deemed a public record under FOIA.

\_\_\_\_\_  
 CONTRACTOR

By: \_\_\_\_\_  
 Its: \_\_\_\_\_

STATE OF \_\_\_\_\_ )  
 )ss  
 COUNTY OF \_\_\_\_\_ )

I, the undersigned, a notary public in and for the State and County, aforesaid, hereby certify that \_\_\_\_\_ appeared before me this day and, being first duly sworn on oath, acknowledged that he executed the foregoing instrument as his/her free act and deed and as the act and deed of the Contractor.

Dated: \_\_\_\_\_

\_\_\_\_\_  
 (Notary Public)  
 (SEAL)

**SUBSTANCE ABUSE PREVENTION PROGRAM CERTIFICATION**

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

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

\_\_\_\_\_  
Name of Contractor/Subcontractor (print or type)

\_\_\_\_\_  
Name and Title of Authorized Representative (print or type)

\_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Authorized Representative

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

\_\_\_\_\_  
Name of Contractor/Subcontractor (print or type)

\_\_\_\_\_  
Name and Title of Authorized Representative (print or type)

\_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Authorized Representative

## **IMPORTANT NOTICE OF RESPONSIBILITY FOR PERIODIC REVISIONS TO PREVAILING WAGE RATES**

Revisions of the following Prevailing Wage Rates are made periodically by the Illinois Department of Labor. These may be accessed by computer at <https://www.illinois.gov/idol/Laws-Rules/CONMED/Rates/2015/july/COUNTY.HTM>. As required by the Prevailing Wage Act, any and all such revisions supersede the Department of Labor's June determination. Bidders and Contractors performing work on this Project are responsible for determining the applicable prevailing wage rates at the time of bid submission and performance of the Work. Failure of a Bidder/Contractor to make such determination shall not relieve it of its obligations in accordance with the Contract Documents. In consideration for the award to it of the Contract for this Project, the Contractor agrees that the foregoing notice satisfies any obligation of the public body in charge of this Project to notify the Contractor of periodic changes in the prevailing wage rates and the Contractor agrees to assume and be solely responsible for, as a material obligation of the Contractor under the Contract, the obligation to determine periodic revisions of the prevailing wage rates, to notify its subcontractors of such revisions, to post such revisions as required for the posting of wage rates under the Act, and to pay and require its subcontractors to pay wages in accordance with such revised rates.

### **2024 ASPHALT - SCOPE OF WORK**

- 1) General Conditions and requirements: Administration, Portable Toilets, safety measures, protective measures including existing tree protection, all construction fencing, silt run-off prevention, following local codes and ordinances, pedestrian and traffic control, signs for closed paths, notification to the park district and any other relevant government authorities, and all asphalt, concrete and stone debris removal and disposal.
- 2) Demolition as shown on plans. Remove and haul away all debris or soil. Excavate new areas as shown.
- 3) Preparing base gravel and reinforcement for sport courts (Tensar Geogrid and Tensar GlassGrid System) as shown on the plans. Prepare new trench & attach additional drainage pipe to existing culvert.
- 4) Providing an asphalt binder and surface courses in thicknesses called out on the plans, that meets the grade of IDOT N50. Installing all patches and asphalt to meet existing grades.
- 5) Ensuring positive drainage on Sport Courts, parking lots and walkways. Pitching asphalt to drain toward all inlets. Lowering inlets at Nickol Knoll Golf Club.
- 6) Disassembling and reinstalling fence or posts as called out on the plans at Creekside.
- 7) Ensuring that all asphalt meet the requirements for the Americans with Disability Act. Walks and pads should not exceed a cross slope of 2% or an 8% slope at the path of travel. Curb cuts shall be smooth and flush at grade.
- 8) Clean up debris and backfill the soil to grade. Grass Seed by the Park District.
- 9) Color coat Sport Courts as shown on the plans and specifications.
- 10) Furnish and install Basketball Goals and tennis net systems.
- 11) Prices are to include the delivery of all materials, equipment, supplies, tools, transportation, 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 Contract Documents.
- 12) Locations and Details (The Park District will select as many locations as possible to fit within budget allotment, please bid accordingly as if any individual and/or all locations may be selected):

#### **Base Bid locations:**

- a. Creekside Park, 1928 N. Schaefer Rd.; Arlington Heights, IL 60004:  
<https://maps.app.goo.gl/R5YYQ7UhnCkUoHXB7>
- b. Melas Park, 1500 W. Central Rd.; Mount Prospect, IL 60056 (a joint venture):  
<https://maps.app.goo.gl/pDmbhgTVhKJjrLgs7>
- c. Nickol Knoll Golf Club, 3800 N. Kennicott Ave.; Arlington Heights, IL 60004 (contact [dbibler@ahpd.org](mailto:dbibler@ahpd.org) [David] to arrange a site visit): <https://maps.app.goo.gl/BXHP3eJDrQUjcQXj7>
- d. Willow Park, 2039 N. Brighton Pl.; Arlington Heights, IL 60004:  
<https://maps.app.goo.gl/PWEDBMbR1X1Mbxjd8>

#### **Alternate Bid locations:**

- a. Frontier Park, 1933 N. Kennicott Ave.; Arlington Heights, IL 60004:  
<https://maps.app.goo.gl/CxRde7fn62bwVoNa9>
- b. Heritage Park, 506 W. Victoria Ln.; Arlington Heights, IL 60005: <https://maps.app.goo.gl/RoK3u2JXh7zRRq9FA>
- c. Melas Park, 1500 W. Central Rd.; Mount Prospect, IL 60056 (a joint venture):  
<https://maps.app.goo.gl/pDmbhgTVhKJjrLgs7>
- d. Nickol Knoll Golf Club, 3800 N. Kennicott Ave.; Arlington Heights, IL 60004 (contact [dbibler@ahpd.org](mailto:dbibler@ahpd.org) [David] to arrange a site visit): <https://maps.app.goo.gl/BXHP3eJDrQUjcQXj7>
- e. Patriot Park, Palatine and N. Dale Ave.; Arlington Heights, IL 60004:  
<https://maps.app.goo.gl/mTuoPBYCD4RafVFX6>

**Work Schedule:** May 1 through November 15, 2024, work to be substantially complete.

**BASE BID LINE-ITEM FORM 1 of 2**

**CREEKSIDE SPORT COURT ASPHALT IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	934	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	508	Linear Foot	\$	\$
Demolition, removal, and disposal of ex. asphalt courts and existing stone base and soil as shown.	1	Lump Sum	n/a	\$
Excavate, prepare cuts and fills, set stone base and pave sport court as noted on plans & specs. Include Tensar Geogrid in base and apply Tensar GlassGrid System between binder and surface courses.	12,800	SF	\$	\$
Remove existing fence fabric and store on site. Keep all fence posts in place as shown on the plans & specifications. Reinstall fence fabric.	420	LF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$
Furnish and install Color coating of courts as shown on the plans and specifications.	1	Lump Sum	n/a	\$
Install 1 Basketball Goal and furnish and install 2 Tennis net systems as specified.	1	Lump Sum	n/a	\$

**Subtotal – CREEKSIDE PARK SPORT COURT ASPHALT IMPROVEMENTS \$ \_\_\_\_\_**

**Record and total on Bid Form-Under “Base Bid”**

**MELAS ASPHALT PATCH & DRAINAGE IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt patches as shown. Sawcut and cleanly remove asphalt for patches as shown.	2,675	SF	\$	\$
Trench cut area for new buried drainage pipe downspout. Install pipe and stone as specified to connect to existing storm sewer as shown on plans. New gutters and downspout by others.	42	Lineal Foot	\$	\$
Pave patch areas as noted on plans & specifications. Ensure that all meet flush at grades and that all areas are ADA accessible.	2,675	SF	\$	\$

**Subtotal – MELAS PARK PATCH & DRAINAGE IMPROVEMENTS \$ \_\_\_\_\_**

**Record and total on Bid Form-Under “Base Bid”**

**BASE BID LINE-ITEM FORM 2 of 2**

NICKOL KNOLL ASPHALT PATCH & DRAINAGE IMPROVEMENTS

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt patches & stone as shown. Sawcut and cleanly remove asphalt for patches as shown in parking lot and on cart paths per plans and specs.	1	Lump Sum	\$n/a	\$
Lower Manhole and concrete ring(s) to allow positive drainage by parking area patch.	1	Lump Sum	\$	\$
Pave patch areas as noted on plans & specs.	32,800	SF	\$	\$
Crackfill worst areas as noted on plans and specs.	2500	LF	\$	\$

**Subtotal – NICKOL KNOLL PATCH & DRAINAGE IMPROVEMENTS \$ \_\_\_\_\_**

**Record and total on Bid Form-Under “Base Bid”**

WILLOW ASPHALT WALKWAY IMPROVEMENTS

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	3100	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt paths & stone as shown. Sawcut and cleanly remove large tree roots in the way of new path.	1	Lump Sum	n/a	\$
Excavate, set stone base and pave walkway as noted on plans & specs.	19,430	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$

**Subtotal – WILLOW PARK PATHWAY IMPROVEMENTS \$ \_\_\_\_\_**

**Record and total on Bid Form-Under “Base Bid”**

**ALTERNATES BID LINE-ITEM FORM, 1 OF 3**

**ALTERNATE #1**

**HERITAGE SPORT COURT ASPHALT IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	1016	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	450	Linear Foot	\$	\$
Demolition, removal, and disposal of ex. asphalt courts and existing stone base and soil as shown.	1	Lump Sum	n/a	\$
Excavate, prepare cuts and fills, set stone base and pave sport court as noted on plans & specs. Include Tensar Geogrid at base and apply Tensar GlassGrid System between binder and surface courses.	11,200	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$
Furnish and install Color coating of courts as shown on the plans and specifications.	1	Lump Sum	n/a	\$
Install 4 Basketball Goal(s) as specified.	1	Lump Sum	n/a	\$

**Subtotal – HERITAGE PARK BASKETBALL COURT IMPROVEMENTS \$ \_\_\_\_\_**

**Record on Bid Form-Under “Alternate 1”**

**ALTERNATE #2**

**FRONTIER SPORT COURT ASPHALT IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	760	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	450	Linear Foot	\$	\$
Demolition, removal, and disposal of ex. asphalt courts and existing stone base and soil as shown.	1	Lump Sum	n/a	\$
Excavate, prepare cuts and fills, set stone base and pave sport court as noted on plans & specs. Include Tensar Geogrid in base and apply Tensar GlassGrid System between binder and surface courses.	11,000	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$
Furnish and install Color coating of courts as shown on the plans and specifications.	1	Lump Sum	n/a	\$
Install 4 Basketball Goal(s) as specified.	1	Lump Sum	n/a	\$

**Subtotal – FRONTIER PARK BASKETBALL COURT ASPHALT IMPROVEMENTS \$ \_\_\_\_\_**

**Record on Bid Form-Under “Alternate 2”**

**ALTERNATES BID LINE-ITEM FORM, 2 OF 3**

**ALTERNATE #3**

**PATRIOT SPORT COURT ASPHALT IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	714	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt courts and existing stone base and soil as shown.	1	Lump Sum	n/a	\$
Excavate, prepare cuts and fills, set stone base and pave sport court as noted on plans & specs. Include Tensor Geogrid in base and apply Tensor GlassGrid System between binder and surface courses.	13,825	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$
Furnish and install Color coating of courts as shown on the plans and specifications.	1	Lump Sum	n/a	\$
Install 4 Basketball Goal(s) as specified.	1	Lump Sum	n/a	\$

**Subtotal – PATRIOT PARK BASKETBALL COURT ASPHALT IMPROVEMENTS \$ \_\_\_\_\_**

**Record on Bid Form-Under “Alternate 3”**

**ALTERNATE #4**

**PATRIOT ASPHALT PATCH IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt patches & stone as shown. Sawcut and cleanly remove asphalt for patches as shown.	1	Lump Sum	\$n/a	\$
Pave patch areas as noted on plans & specs.	1000	SF	\$	\$
Crackfill as noted on the plans	500	LF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$

**Subtotal – PATRIOT PARK PATCH IMPROVEMENTS \$ \_\_\_\_\_**

**Record on Bid Form-Under “Alternate 4”**



**ALTERNATES BID LINE-ITEM FORM, 3 OF 3**

**ALTERNATE #5**

**NK MAINTENANCE SHOP ASPHALT PATCH & DRAINAGE IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt patches & stone as shown. Sawcut and cleanly remove asphalt for patches as shown.	1	Lump Sum	\$n/a	\$
Lower Manhole and concrete ring(s) to allow positive drainage.	1	Lump Sum	\$	\$
Pave patch areas as noted on plans & specs.	4700	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$

**Subtotal – NK. MAINTENANCE SHOP PATCH & DRAINAGE IMPROVEMENTS \$ \_\_\_\_\_**

**Record on Bid Form-Under “Alternate 5”**

**ALTERNATE #6**

**MELAS NEW ASPHALT PATH**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$n/a
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$n/a
Sawcut concrete curb, Excavate, set stone base and pave walkway as noted on plans & specs.	230	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$

**Subtotal – MELAS PARK NEW PATHWAY IMPROVEMENT \$ \_\_\_\_\_**

**Record on Bid Form-Under “Alternate 6”**

**Bid Form- 2024 Asphalt – Various Parks**

Proposal of \_\_\_\_\_.

Hereinafter called "BIDDER", (a)/(an)\_\_\_\_\_ (corporation, partnership, individual)

doing business as\_\_\_\_\_

To the Arlington Heights Park District, hereinafter called the "Owner".

The Bidder, in response to your advertisement for bids for '**Arlington Heights Park District – 2024 Asphalt at Various Parks**' having examined the Specifications and other Contract documents, hereby proposes to furnish and deliver all materials and supplies in accordance with the Contract Documents and install same, within the time set forth therein and at the prices stated below. These prices are to cover all expenses including delivery to Arlington Heights, Illinois.

Bidder acknowledges receipt of the following Addenda, which are a part of the Contract Documents:

Addenda Numbers: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

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

Bidder agrees to perform all of the work described in the Contract Documents for the following price:

**TOTAL BASE BID** \$ \_\_\_\_\_  
(Creekside Sport Courts, Melas Patching,  
Nickol Knoll Parking and Course Patching,  
Willow Pathway)

**ALTERNATE #1 – Frontier Basketball Court** \$ \_\_\_\_\_

**ALTERNATE #2 – Heritage Basketball Court** \$ \_\_\_\_\_

**ALTERNATE #3 – Patriot Basketball Court** \$ \_\_\_\_\_

**ALTERNATE #4 – Patriot Path Patch** \$ \_\_\_\_\_

**ALTERNATE #5 – NK Maintenance Patch** \$ \_\_\_\_\_

**ALTERNATE #6 – Melas New Path** \$ \_\_\_\_\_

**SUBCONTRACTORS, REFERENCES AND SUPPLIERS LIST**

The subcontractors and suppliers listed below will be involved in this contract work in the assignments listed. We understand that any deviation from this list must be requested and approved in writing ten (10) days before the start of the work that is involved.

Failure to complete this list will result in rejection of bid.

Legal name, current telephone number and address of all subcontractors must be included.

Subcontractors / Assignment

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Suppliers / Materials

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References:

List 5 clients for reference checks. Bidder must have completed work of a similar nature for these clients within the last two years.

Company Name	Contact Person	Phone Number
1.		
2.		
3.		
4.		
5.		

## **SECTION 01010 - SUMMARY OF WORK**

### **DIVISION 1 - GENERAL REQUIREMENTS**

#### **1.00 GENERAL**

##### **1.01 SUMMARY**

A. Description:

1. Grinding Existing Paving
2. Asphalt Paving
3. Striping
4. Site Restoration & Seeding
5. Site Preparation

##### **1.02 CONTRACTS**

A. Construct the work under a single fixed-price contract (lump sum amount) in accordance with the specifications & drawings.

##### **1.03 WORK SEQUENCE AND COORDINATION**

Coordinate the construction operations included in various Sections of these Specifications to assure efficient and orderly installation of each part of the Work.

##### **1.04 CONTRACTORS USE OF PREMISES**

A. Contractor shall limit the use of the premises for work and for storage and to allow for work by Owner.

B. Coordinate use of premises under direction of the Owner's representative.

C. Assume full responsibility for the protection and safekeeping of materials and equipment under this Contract, stored on the site.

D. Move any stored equipment or materials under Contractor's control, which interfere with operations of the Owner or separate contractor.

E. Obtain and pay for the use of additional storage or work areas needed for operations.

##### **1.05 OWNER OCCUPANCY**

A. Owner may occupy the premises during the entire period of construction for the conduct of his normal operations and construction. Cooperate with Owner's Representative in all construction operations to minimize conflict, and to facilitate Owner usage.

B. Contractor shall, at all times, conduct all their operations as to ensure the least inconvenience to the general public.

##### **1.06 CONTRACTORS RESPONSIBILITY**

A. Contractor shall provide layout of site development and establish and guarantee all main lines, levels, etc. to be called for on the drawings.

B. Contractor shall be responsible for the lines, level, etc. of all his or her subcontractors.

##### **1.07 LIMITS OF CONSTRUCTION AND CONSTRUCTION TRAFFIC**

Construction traffic and staging shall be permitted only within the construction limits or construction fence limits as indicated on the plan. The Contractor shall be responsible for repair of any areas disturbed outside this area.

##### **1.08 STORM WATER STRUCTURES AND LINES**

The Contractor is responsible for locating all existing storm water structures and lines prior to making connections to them, and to determine if they are functioning properly. All storm water lines

intercepted during site excavations shall be repaired or abandoned as determined by the Owner's representative.

**1.09 CONSTRUCTION VEHICLE PARKING**

It will be the responsibility of the Contractor to control construction vehicle parking. Vehicles will not be permitted within the work zone unless they are engaged directly in the work in progress.

**1.10 UNDERGROUND UTILITIES**

The Contractor is responsible for locating and identifying all existing underground utilities prior to beginning any excavation or trenching. Contact J.U.L.I.E. prior to commencing work.

**1.11 WORKMANSHIP**

High quality, first class workmanship, will be expected for all phases of this Contract. Any element of completed work found unacceptable or not meeting standards will be removed and replaced with acceptable workmanship by the Contractor at the sole cost and expense of the Contractor

**END OF SECTION- 01010**

## **SECTION 01500 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS**

### **ARTICLE 1 - GENERAL**

#### 1.01 *Description*

- A. Furnish, install and maintain temporary facilities and controls required for construction; remove on completion of work. The costs associated with the temporary facilities and controls shall be incidental to the work performed.

### **ARTICLE 2 - PRODUCTS**

#### 2.01 *Materials - General*

- A. Temporary construction materials may be new or used, but must be adequate in capacity for required usage, shall not create unsafe conditions, and shall not violate requirements of applicable codes and standards.

#### 2.02 *Temporary Water*

- A. Arrange with Owner to provide water for construction purposes.
- B. Pay required fees or deposits for water meter and all costs for installation, maintenance and removal. Service shall be metered separately to Contractor as required by the Village.
- C. Be advised that Owner has experienced water shortages in the past and has imposed bans on use of City water for lawn sprinkling. Such bans shall apply to Contractor. Provide alternate supply of water for lawn sprinkling during City sprinkling bans.

#### 2.03 *Temporary Sanitary Facilities*

- A. Provide temporary sanitary toilet facilities conforming to state and local health and sanitation regulations, in sufficient number for use of Contractor's employees.
- B. Maintain in sanitary condition and properly supply with toilet paper.
- C. Remove from site before final acceptance of work.

#### 2.04 *Temporary Fire Protection*

- A. Fire hydrants shall remain accessible at all times to the Owner.

#### 2.05 *Temporary Site Work*

- A. Roadways shall be maintained along where construction has occurred or which are prepared for construction in a clean, driveable condition as determined by the Engineer. When directed by the Engineer, the Contractor shall immediately take corrective action to temporarily repair the roadway to the satisfaction of the Engineer.
- B. Provide and maintain temporary site drainage.
- C. Exercise caution to minimize increase in suspended solids and turbidity in surface waters within and adjacent to construction area. Spoils are not to be deposited in surface waters. Control and minimize sediment runoff and excavation erosion to surface waters.

#### 2.06 *Damage to Existing Property*

- A. Be responsible for replacing or repairing damage to existing buildings, sidewalks, roads, parking lot surfacing, utilities and other existing assets.

- B. Contractor shall take measures to ensure that debris does not enter any of the Owner's facilities (including but not limited to sanitary and storm sewers, valve vaults and boxes). If debris does enter these facilities, the Contractor shall take immediate corrective action to remove all of the debris.

2.07 *Security*

- A. Security will not be provided by Owner.
- B. Contractor shall be held responsible for loss or injury to persons or property where his work is involved, and shall provide such security and take such precautionary measures as deemed necessary to protect Contractor's and Owner's interests.

2.08 *Temporary Parking*

- A. Make arrangements for parking area for employee's vehicles to be approved by Owner.
- B. Costs involved in obtaining this parking area shall be borne by Contractor.
- C. There shall be no parking on construction site unless designated or approved by Owner.

2.09 *Temporary Fencing*

- A. Provide temporary fencing sufficient to prevent trespass by public into active construction areas as specified in Traffic Regulation Section.
- B. Materials shall be sufficiently durable to be effective for the duration of the work.

**ARTICLE 3 - EXECUTION**

3.01 *General*

- A. Provide and operate systems to ensure continuous service.
- B. Modify and extend systems as work progress requires.

3.02 *Removal*

- A. Completely remove temporary materials and equipment when their use is no longer required.
- B. Clean and repair damage caused by temporary installations or use of temporary facilities.
- B. Restore existing or permanent facilities used for temporary services to specified, or to original, condition.

**END OF SECTION – 01500**

## **SECTION 01560-PROTECTION OF ENVIRONMENT**

### **ARTICLE 1 - GENERAL**

#### 1.01 *Description*

- A. CONTRACTOR, in executing work, shall maintain work areas on- and off-site free from environmental pollution that would be in violation of any federal, state or local regulations.

#### 1.02 *Protection of Sewers*

- A. Take adequate measures to prevent impairment of operation of existing sewer system. Prevent construction material, pavement, concrete, earth, or other debris from entering sewer or sewer structure.
- B. Divert sewage flow interfering with construction to sewers leading to wastewater treatment plant. Prior to commencing excavation and construction, submit for review, detailed plans, including routing and connections, required to handle and dispose of sanitary wastes. By reviewing plan, OWNER neither accepts responsibility for adequacy thereof nor for damages to public or private property resulting therefrom, such responsibilities remain with CONTRACTOR.

#### 1.03 *Protection of Waterways*

- A. Observe rules and regulations of State of Illinois and agencies of U.S. government prohibiting pollution of any lake, stream, river or wetland by dumping of refuse, rubbish, dredge material or debris therein.
- B. Provide holding ponds or approved method which will handle, carry through, or divert around work flows, including storm flows and flows created by construction activity, so as to prevent excessive silting of waterways or flooding damage to property.
- C. Comply with procedures outlined in U.S. EPA manuals entitled, "Guidelines for Erosion and Sedimentation Control Planning and Implementation," Manual EPA-72-015 and "Processes, Procedures, and Methods to Control Pollution Resulting from All Construction Activity," Manual EPA 43019-73-007.

#### 1.04 *Disposal of Excess Excavated and Other Waste Materials*

- A. Dispose of excess excavated material not required or suitable for backfill and other waste material in a lawful manner.

#### 1.05 *Protection of Air Quality*

- A. Minimize air pollution by wetting down bare soils during windy periods, requiring use of properly operating combustion emission control devices on construction vehicles and equipment used by CONTRACTORS, and encouraging shutdown of motorized equipment not actually in use.
- B. Trash burning will not be permitted on construction site.
- C. If temporary heating devices are necessary for protection of work, such devices shall be of type that will not cause air pollution.

#### 1.06 *Use of Chemicals*

- A. Chemicals used during project construction or furnished for project operation, whether herbicide, pesticide, disinfectant, polymer, reactant, or of other classification, must show approval of either U.S. EPA or U.S. Department of Agriculture or any other applicable regulatory agency.



- B. Use of such chemicals and disposal of residues shall be in conformance with manufacturer's instructions.

1.07 *Noise and Dust Control*

- A. Conduct operations to cause least annoyance to residents in vicinity of work, and comply with applicable local ordinances.
- B. Equip compressors, hoists, and other apparatus with such mechanical devices as may be necessary to minimize noise and dust. Equip compressors with silencers on intake lines.
- C. Equip gasoline or oil operated equipment with silencers or mufflers on intake and exhaust lines.
- D. Line storage bins and hoppers with material that will deaden sounds.
- E. Conduct operation of dumping rock and of carrying rock away in trucks so as to cause minimum of noise and dust.
- F. Provide unpaved streets, roads, detours, or haul roads used in the construction area with an application of water to minimize dust. The ENGINEER shall direct the CONTRACTOR as to when and where the water is required and to the rate of application. Keep paved areas clean and free of materials contributing to dust. Applicable environmental regulations for dust prevention will be strictly enforced.

All watering described herein shall be done with a spray application. An open end hose will not be acceptable. The method of watering shall meet the approval of the ENGINEER.

**END OF SECTION – 01560**

## **SECTION 02075- DEMOLITION AND REMOVALS**

### **Part I General**

- 1.1 Description  
This work shall consist of removing the designated site features, vegetation or other debris from the site within the areas shown on the Drawings and/or as directed by the Landscape Architect.
- 1.2 Related Sections  
02200 Earthwork
- 1.3 Regulations and disposal  
The Contractor is responsible for off-site disposal in conformance with all applicable regulations unless otherwise provided for in the contract documents.

### **Part II Execution**

- 2.1 Removals
  - A. Remove those items so designated in the drawings including all hardware, footings, etc. and patch adjacent work as necessary to maintain a finished appearance for the entire site. Provide all necessary hardware, etc. to maintain adjacent materials in good working order. Dispose of materials either off-site or, if required in the documents, deliver to the Owner from the truck and place them neatly in the area designated by the Owner.
  - B. Contractor shall remove items as necessary to complete the work as intended, regardless of whether indicated in the drawings.
- 2.2 Protection  
Use all means necessary to protect existing objects not designated to be removed. In the event of damage make all repairs and replacements necessary to restore damaged objects to their original condition.
- 2.3 Site Inspection  
Prior to work in this section, carefully inspect the entire site and all objects designated to be removed and preserved. Locate all existing utilities and determine the requirements for their protection. Notify Landscape Architect of any discrepancy between site conditions and the Drawings.
- 2.4 Tree Stump Removal  
Tree Stumps shall be removed in accordance with the latest edition of the Standard Specification for Road and Bridge. Contractor shall restore the removal area w/topsoil and sod or plant per planting plan.

**END OF SECTION 02075**

## **SECTION 02200- EARTHWORK**

### **Part I - General**

#### 1.1 Description

- A. Work included: Earthwork for this project includes, but is not necessarily limited to:
1. Topsoil stripping, stockpiling.
  2. Excavating to attain indicated grades.
  3. Filling and backfilling to attain indicated grades.
  4. Trenching and trench backfilling.
  5. Shoring and bracing as necessary or directed to keep excavations in a workable condition and to maintain safety on the job.
  6. Pumping and bailing to keep excavations free of water during pipe laying and jointing.
  7. Maintaining uninterrupted surface water flow during work progress.
  8. Protecting all pipes, conduits, culverts, fences, buildings and other public and private property adjacent to or in area of work.
  9. Removing all shoring and bracing not ordered left in place or not required by the project plans or specifications to remain in place.
  10. Rough grading and shaping of the site.
  11. Rough grading for entire site, Fine grading up to meet Challenge Course fine grading by others.
- B. Except as otherwise directed by the Landscape Architect, perform all rough and finish grading required to attain the elevations shown on the drawings.

#### 1.2 Related Sections

02075 Demolition & Removals, 02630 Site Drainage, 2500 Site Concrete, Aggregate Base Course

#### 1.3 General Requirements

- A. Dust control
1. Use all means necessary to control dust on and near the work and on and near all off-site borrow areas if such dust is caused by the Contractor's operation during performance of work or if resulting from the condition in which the Contractor leaves the site.
  2. Thoroughly moisten all surfaces as required to prevent dust from being a nuisance to the public, neighbors, and concurrent performance of other work on the site.
- B. Protection
1. Use all means necessary to protect all materials of this Section before, during and after installation and to protect all objects designated to remain.
  2. In the event of damage, immediately make all repairs and replacements necessary to the approval of the Landscape Architect at no additional cost to the Owner.

#### 1.4 Submittals

Topsoil analysis and certification, import fill certification.

#### 1.5 Reference Standards

Materials in this section, where applicable, shall be in conformance with "Standard Specifications for Road and Bridge Construction" (SSRBC) of the Illinois Department of Transportation, latest edition.

**END OF SECTION 02200**

## **SECTION 02231-TREE AND PLANT PROTECTION**

### **DIVISION 2 – SITE WORK**

#### **PART 1**

##### **1.01 DESCRIPTION**

This item shall consist of protecting specific, individual, existing trees, shrubs, and plant material not designated for removal which are to remain from construction damage. Such trees, shrubs, and plant materials shall be left in place and protected from damage or injury by the Contractor during construction using full and adequate methods of protection. The trees to remain or individual trees to be protected shall be identified on the drawings or in the field by the Owner.

##### **1.02 PROCEDURES**

###### A. Individual trees to be protected:

1. These trees shall be identified with surveyor's flagging tape placed around the trunks at eye level.
2. A 4' high snow fence shall be provided, erected and maintained at the drip line of each tree so identified.
3. These protection fences shall be removed after final project acceptance or as required by the Owner
4. Water shall not be permitted to pond within the fenced areas at the base of the tree, except as currently occurs.
5. No tree shall be used as an anchorage.

###### B. Trees to remain:

Trees to remain identified either with surveyor's flagging tape or shown in the drawings shall have the following protection procedures apply:

- a. Work within tree drip lines: where excavating, fill or grading or soil preparation is required within the branch spread (drip line of trees the work shall be performed with care to prevent abrasion or other damage from equipment to tree trunks, limbs, and root systems. Parking or storage of equipment or materials will not be allowed within tree drip lines. Movement of vehicles within tree drip lines shall be limited to that required in the performance of specific work.
2. Excavation within tree drip lines: Where excavation is required within tree root zones, the tree roots shall not be severed by the excavation equipment. Rather, the tree roots within a construction area greater than ¼" in diameter shall be cut clean with a pruning clipper, shear or saw. All crushed, torn, frayed or otherwise injured roots shall have these injured portions removed by clean cutting.
3. All digging within the drip line shall be done by hand, except for pavement and curb excavation. For pavement and curb excavation, the Contractor shall dig to within 18" laterally of the desired limit of excavation. The remaining lateral 18" shall be dug by hand.
4. No equipment or vehicles exceeding 1000 lbs. will be allowed within the drip line of any tree for the duration of this contract. Steel planking, or timber planking made of 4" thick material, each plank covering a min. of 8 square feet, shall be used to

support backhoe and other equipment stabilizers when set within the drip-line of a tree or sodded planting strip.

## **2.0 CONSTRUCTION TECHNIQUES**

Prior to any site disturbance, it shall be the responsibility of the contractor to install tree protection measures in accordance with plans and specifications prepared by a qualified professional. It is the contractor's responsibility to safeguard the trees designated to be preserved. Throughout planning and construction, the contractor should monitor the effect of the proposed activities on the vegetation to be preserved and maintained.

### **A. Concerns**

The following must not occur within the tree protection areas:

1. Stockpiling of soils
2. Operating or storing construction equipment
3. Regrading causing runoff, flooding, or change of elevation
4. Parking vehicles and storing supplies
5. Spilling of toxic materials
6. Spraying of herbicides in close proximity to protected areas

### **a. REPAIR, REPLACEMENT AND PAYMENT FOR DAMAGE**

- A. Trees or other plant material not designated to be removed but that are destroyed or irreparable damaged by Contractor operations as determined by the Owner, shall be repaired or replaced by the Contractor in accordance with the Owner representative's recommendations.
  1. Replacements shall be of the same species and as nearly as possible of the same size as the trees to be replaced.
  2. The Contractor shall allow one (1) Working Day advance notice for inspection of nursery stock replacements by the Owner.
- B. Payment: In addition to the Contractor's restoration approved by the Owner, the Contractor will be assessed damages for the difference in the dollar value of the damaged tree, shrub, or other plant material, and the dollar value of the replacement.
  1. The dollar value will be determined by the Landscape Architect from the "Guide for Establishing Values of Trees and Other Plants," prepared by the Council of Tree and Landscape Appraisers, current edition. Damages assessed will be deducted from monies due or that may become due to the Contractor.
- C. Planting of replacement stock shall be done in accordance with the requirements of the Contract Documents during the first fall or spring planting period, whichever comes first.

## **4.0 TREE PRUNING**

Pruning shall conform to ANSI A300, Tree, Shrub and Other Woody Plant Maintenance Standard practices (Pruning). Pruning prescriptions should be developed by a person familiar with tree species for the specific geographic area. Maintenance pruning shall consist of crown cleaning to remove all dead, damaged and weak branches. The removal of selected conflicting branches shall be included. Under no circumstances shall the interior of trees be stripped. Interior branches shall be selectively pruned to reduce conflict or where branches are damaged. Hazard reduction pruning shall consist of the removal of any dead branches and the correction of any other problems related to safety. Items not correctable by pruning shall be brought to the owner's attention in writing.

**END SECTION – 02231**

## SECTION 02515 - CRACK FILL

### **PART 1 GENERAL:**

#### **1.1 Description & Benefits**

All references to Section or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Illinois Department of Transportation

CrackMaster PL (or Approved Equal) is a single component, hot applied crack and joint sealant. When melted and properly applied, it forms a resilient crack sealant for both asphaltic and cementitious pavements. CrackMaster PL forms a lasting seal that resists tracking in warm climates.

- A. Basic Uses: Hot Pour Crack Sealant is designed to seal expansion joints, longitudinal and traverse cracks, joints between concrete and asphalt shoulders, and random cracks in both asphalt and concrete pavements.
- B. Composition: As supplied, CrackMaster is supplied in solid blocks comprised of asphaltic resins and synthetic polymer rubber.
- C. Sizes: CrackMaster PL is supplied in 50 lb. cardboard cartons containing two 25 lb. blocks of material per carton.
- D. Color: Black
- E. Limitations: Do not overheat material. Cracks must be free from moisture, dust, loose aggregate and other contaminants prior to application. Not recommended for cracks in excess of 1" wide.

#### **1.2 Related Work**

- A. Asphalt Paving           SECTION 2520
- B. Seal Coating           SECTION 2510
- C. Pavement Markings   SECTION 2525

#### **1.3 Reference Standard**

- A. American Society for Testing and Materials (ASTM)

#### **1.4 Submit three (3) copies of product data and specifications (Alternate only)**

#### **1.5 Job Conditions**

##### A. Weather Limitations

- a. As specified in the IDOT Standard for Road and Bridge Construction
- b. Do not apply when base surface is wet or contains an excess of moisture which would prevent uniform distribution and required penetration.

#### **2.0 Materials**

CrackMaster PL meets the following material requirements when tested in accordance with ASTM D6690. (see chart below).

Environmental Considerations: CrackMaster PL is considered a non-hazardous material.

## Chemical & Physical Analysis

Recommended Pour Temperature	370-390 degrees F
Maximum Heating Temperature	400 degrees F
Penetration (50 gr/5 sec)	30-45
Resiliency	40% min
Flow at 140 degrees F	8mm
Softening Point	200 degrees F min.
Ductility @77 degrees F	30 cm
Tensile Adhesion	500%
Viscosity @375 degrees F	60+- 10 poise
Flexibility @ 20 degrees F (1" Mandrel)	Pass
Specific Gravity	1.18
Asphalt Compatibility	Compatible

### 2.1 Manufacture Source (Or Approved Equal)

ThorWorks Industries, Inc.  
 2520 S. Campbell St  
 Sandusky, OH 44870  
 PH: 800-326-1994  
 Fax: 419-626-5477  
[www.thorworks.com](http://www.thorworks.com)

Phone 1-800-395-7325 or visit [www.sealmaster.net](http://www.sealmaster.net) to find the location near to you.

### 3.0. Installation

Proper surface preparation will facilitate adequate adhesion and consequently the maximum service life of the sealant. The crack must be free from moisture, dust, and loose aggregate. Routing or wire brushing are preferred methods followed by compressed air heat lance immediately prior to sealing. The substrate and air temperature must be above 42 degrees F.

### 3.1 Methods

A. CrackMaster PL shall be melted in a conventional oil-jacketed unit equipment with an agitator and temperature control device for both material and heat transfer oil. Carefully insert blocks of material (with plastic bag) into melting equipment with agitator turned off. Load material slowly to avoid splashing. After the initial load of material has reached the recommended pouring temperature (370-390 degrees F), fresh material may be added as sealant is used. Melt only enough material that will be used the same day. Avoid overheating material. Excessive heat could cause material to gel in the equipment or fail in crack and

joints. A significant viscosity increase accompanied by stringiness signals the approach of gelation. If this occurs, immediately remove the material from the melter and dispose of it.

**IMPORTANT:** Protective apparel is recommended with application of CrackMaster PL. The extremely hot material will cause severe burns on contact with skin. OSHA Safety Regulations require workers to wear the following types of safety attire (see current OSHA/Safety Regulations for additional information): Hard hat with face shield; long sleeved shirt buttoned at the wrist; heat resistant gloves; long, cuffless pants; and safety toed work boots. Make certain all area around melter is clear of all debris and flammable materials. Avoid breathing vapors. Use with adequate ventilation.

- B. Mixing Procedures: Use material as supplied. Do not blend with other materials. After CrackMaster PL is melted it should be agitated or recirculated.
- C. Application: Apply heated CrackMaster PL using either a pump or wand system or a pour pot. For best results the sealant depth to width ratio should not exceed 2 to 1 (i.e. 2-inches deep to 1-inch wide). The cooled sealant height should not exceed 1/8" above surrounding pavement. Using a sealing shoe or squeegee , band the material 2 to 3 inches wide over the crack.
- D. Estimating Material Requirements: use the following chart as a guideline for estimating material requirements (based upon pounds of material needed for 100 feet of cracks):

Crack Width	Depth	Lbs./100 feet
3/8"	3/8"	6.9 lbs.
3/8"	1/2"	9.3 lbs.
1/2"	1/2"	12.3 lbs.
1/2"	1"	24.7 lbs.
3/4"	1/2"	18.5 lbs.
3/4"	3/4"	27.8 lbs.

The above coverage rates are only a guideline. Actual material usage may vary due to width of application and thickness of material above pavement surfaces.

- E. Precautions: Cracks must be free from moisture, dust, dirt and debris. Both substrate and air temperature must be above 40 degrees F. Keep boxes of material dry during storage. Do not store in direct sunlight.

END OF – SECTION 02515



## **SECTION 02520 - ASPHALT PAVING**

### **1.0 GENERAL DESCRIPTION**

- A. Standards  
All work required under this section shall conform to the current edition of the "ILLINOIS DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- B. This work shall consist of the placement of aggregate base, prime coat, bituminous binder and surface courses, and line painting.
- C. RELATED REQUIREMENTS
  - A. Section 2525 – Pavement Markings
  - B. Section 2515- Sealcoating
  - C. Section 2510- Crack fill

### **1.1 SUBMITTALS**

- A. The Contractor must submit gradation tables including name and location of supplier for review and approval.
- B. The Contractor must submit batch mixing reports including name and location of supplier for review and approval.

### **1.2 PRODUCT HANDLING**

- A. All aggregate base course materials delivered to the project site must have adequate moisture content and must be machine spread and compacted each day.
- B. All bituminous materials shall be delivered to the project site in covered trucks, to permit the mixture to retain adequate heat content. All bituminous materials delivered to the project site must be spread and compacted within 2 hours of mixing.

### **1.3 ENVIRONMENTAL CONDITIONS**

- A. Coarse Aggregate Base Course: May not be dumped or spread on frozen, wet or muddy subgrade or when weather conditions make the subgrade impassible for spreading or compacting.
- B. Bituminous Materials: Paving may only take place within the temperature ranges set forth in the IDOT Specifications.
- C. Line and Symbol Painting may only be completed when the when air temperature is above 45 degrees F and when no adverse weather conditions are forecast near the project site.

### **1.4 PROTECTION**

- A. All bituminous surfaces must be sufficiently cured and cooled off prior to opening up area to vehicle traffic.
- B. All painted surfaces must be sufficiently cured for a minimum of twelve (12) hours prior to opening up the area to vehicle traffic.

### **2.0 PRODUCTS AND MATERIALS**

- A. Coarse Aggregate for Base Course
  - 1. Shall comply with the applicable Section of the IDOT Specifications.
  - 2. Quality: Shall be Class D or better.
  - 3. Gradation: CA-6
  - 4. Base Course: Shall be Type A
- B. Bituminous Concrete
  - 1. Shall comply with the applicable Section of the IDOT Specifications.
  - 2. Prime: Shall comply with the applicable Section of the IDOT Specifications.
  - 3. Binder Course: Shall be Class 1, Mixture "B", installed to the compacted thickness indicated on plan.
  - 4. Surface Course: Shall be Class 1, Mixture "C", installed to the compacted thickness indicated on plan.
- C. Line and Symbol Paint: Unless otherwise indicated on the plan notes, all paint used will be white or yellow in color and must adhere to the surface on which it is applied.

### **2.1 MIXES AND PORTIONS**

- A. Coarse Aggregate for Base Course: Gradation No. CA-6.
- B. Bituminous Concrete
  - 1. Binder Course - Shall comply with the applicable Section of the IDOT Specifications.
  - 2. Surface Course - Shall comply with the applicable Section of the IDOT Specifications.
  - 3. Please note asphalt and stone thickness requirements for parking lots and trails.

## 2.2 EQUIPMENT

All equipment used to perform this work shall conform to the applicable section of the IDOT Specifications.

## 3.0 EXECUTION AND INSTALLATION

- A. All sub-grade areas must be reviewed and approved by the Owner prior to any aggregate base course installation. All aggregate base courses must be reviewed and approved by the Owner prior to any bituminous paving.
- B. The Contractor must conduct a proof roll of all clay subgrades prior to placement of aggregate base course. The proof roll will involve the rolling of a fully loaded dump truck over the clay subgrade and must be witnessed by a Geotechnical Owner's Representative. The scheduling and payment of fees for the Geotechnical Owner's Representative will be completed and borne by the Owner. Should the Geotechnical Owner's Representative witness and report any soft or yielding conditions, arrangements will need to be made to correct this condition prior to the placement of the aggregate base course.
- C. Coarse Aggregate Base Course
  - 1. Install geofabric if specified on the plans or details.
  - 2. Install on a properly graded, prepared and approved subgrade. Course Aggregate Base Course must be installed in layers not exceeding 4" thick when compacted.
- D. Bituminous Concrete Binder and Surface Courses
  - 1. Prime coat must be installed on the approved aggregate base a minimum of 24 hours prior to installation of Bituminous Concrete Binder Course. Prime coat shall be applied at a rate of 0.5 gallons per square yard. Excess prime on surface must be removed prior to bituminous concrete installation by blotting with sand.
  - 2. Bituminous concrete binder and surface courses must then be installed to the compacted thickness as indicated on the plans and details. Bituminous concrete must be installed in a timely manner to maintain the heat content in the mixture and minimize or eliminate visible seams.
  - 3. The completed surface course shall not show any irregularities exceeding 1/8" when tested by flooding.
  - 4. Match line and grade of existing pavement, lawn and planting areas where they meet new pavement, lawn and planting areas. Slope shall be a maximum 4:1
  - 5. **Cross slope less than 2%, slope less than 5%**

## 3.1 ASPHALT REMOVAL & SUB BASE

- i. The existing path are estimated to be approximately 3 inches thick.
- ii. Saw cut perimeters of areas to be repaired as necessary.
  - 3.1.3 Excavate failed asphalt and debris to average depth of 3 inches, remove spoils, and dispose.
  - 3.1.4 Re-grade and compact adding, if necessary, CA-6 stone.
    - 3.1.4.1 Compact subbase and base courses at optimum moisture content to required grades, lines, cross sections, and thickness to not less than 95 percent of maximum dry unit weight according to ASTM D 1557.
    - 3.1.4.2 Compact sub-grade, prime vertical edges of patch perimeters with SS-1 Emulsion as necessary.

## 4.0 EXECUTION

### a. EXAMINATION

- i. Verify that subgrade is dry and in suitable condition to support paving and imposed loads.
- ii. Proof-roll subbase using heavy, pneumatic-tired rollers to locate areas that are unstable or that require further compaction.
- iii. Proceed with paving only after unsatisfactory conditions have been corrected.

## **b. COLD MILLING**

- i. Clean existing pavement surface of loose and deleterious material immediately before cold milling. Remove existing asphalt pavement by cold milling to grades and cross sections indicated.
  1. Mill to a depth of 1-1/2 inches (38 mm).
  2. Mill to a uniform finished surface free of gouges, grooves, and ridges.
  3. Control rate of milling to prevent tearing of existing asphalt course.
  4. Repair or replace curbs, manholes, and other construction damaged during cold milling.
  5. Excavate and trim unbound-aggregate base course, if encountered, and keep material separate from milled hot-mix asphalt.
  6. Transport milled hot-mix asphalt to asphalt recycling facility.
  7. Keep milled pavement surface free of loose material and dust.

## **c. PATCHING**

- i. Hot-Mix Asphalt Pavement: Saw cut perimeter of patch and excavate existing pavement section to sound base. Excavate rectangular or trapezoidal patches, extending 12 inches (300 mm) into adjacent sound pavement, unless otherwise indicated. Cut excavation faces vertically. Remove excavated material. Recompact existing unbound-aggregate base course to form new subgrade.
- ii. Portland Cement Concrete Pavement: Break cracked slabs and roll as required to reseal concrete pieces firmly.
  1. Pump hot undersealing asphalt under rocking slabs until slab is stabilized or, if necessary, crack slab into pieces and roll to reseal pieces firmly.
  2. Remove disintegrated or badly cracked pavement. Excavate rectangular or trapezoidal patches, extending into adjacent sound pavement, unless otherwise indicated. Cut excavation faces vertically. Recompact existing unbound- aggregate base course to form new subgrade.
- iii. Tack Coat: Apply uniformly to vertical surfaces abutting or projecting into new, hot-mix asphalt paving at a rate of 0.05 to 0.10 gal./sq. yd. (0.2 to 0.4 L/sq. m).
  1. Allow tack coat to cure undisturbed before applying hot-mix asphalt paving.
  2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.
- iv. Patching: Fill excavated pavements with hot-mix asphalt base mix and, while still hot, compact flush with adjacent surface.
- v. Patching: Partially fill excavated pavements with hot-mix asphalt base mix and, while still hot, compact. Cover asphalt base course with compacted, hot-mix surface layer finished flush with adjacent surfaces.

## **d. SURFACE PREPARATION**

- i. General: Immediately before placing asphalt materials, remove loose and deleterious material from substrate surfaces. Ensure that prepared subgrade is ready to receive paving.
- ii. Sweep loose granular particles from surface of unbound-aggregate base course. Do not dislodge or disturb aggregate embedded in compacted surface of base course.

- iii. Herbicide Treatment: Apply herbicide according to manufacturer's recommended rates and written application instructions. Apply to dry, prepared subgrade or surface of compacted-aggregate base before applying paving materials.
- iv. Prime Coat: Apply uniformly over surface of compacted unbound-aggregate base course at a rate of 0.25 to 0.50 gal./sq. yd. (1.2 to 2.3 L/sq. m). Apply enough material to penetrate and seal but not flood surface. Allow prime coat to cure for 72 hours minimum.
  - 1. If prime coat is not entirely absorbed within 24 hours after application, spread sand over surface to blot excess asphalt. Use enough sand to prevent pickup under traffic. Remove loose sand by sweeping before pavement is placed and after volatiles have evaporated.
  - 2. Protect primed substrate from damage until ready to receive paving.
- v. Tack Coat: Apply uniformly to surfaces of existing pavement at a rate of 0.05 to 0.10 gal./sq. yd. (0.2 to 0.5 L/sq. m).
  - 1. Allow tack coat to cure undisturbed before applying hot-mix asphalt paving.
  - 2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.

**e. HOT-MIX ASPHALT PLACING**

- i. Machine place hot-mix asphalt on prepared surface, spread uniformly, and strike off in accordance with IDOT Standard Specifications. Place asphalt mix by hand to areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted.
  - 1. Place hot-mix asphalt binder course in number of lifts and thicknesses indicated.
  - 2. Place hot-mix asphalt surface course in single lift.
  - 3. Spread mix at minimum temperature of 250 deg F (121 deg C).
  - 4. Begin applying mix along centerline of crown for crowned sections and on high side of one-way slopes, unless otherwise indicated.
  - 5. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt-paving mat.
- ii. Place paving in consecutive strips not less than 10 feet (3 m) wide unless infill edge strips of a lesser width are required.
  - 1. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips. Complete a section of asphalt base course before placing asphalt surface course.
- iii. Promptly correct surface irregularities in paving course behind paver. Use suitable hand tools to remove excess material forming high spots. Fill depressions with hot-mix asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.

**f. JOINTS**

- i. Construct joints to ensure a continuous bond between adjoining paving sections. Construct joints free of depressions with same texture and smoothness as other sections of hot-mix asphalt course.
  - 1. Clean contact surfaces and apply tack coat to joints.
  - 2. Offset longitudinal joints, in successive courses, a minimum of 6 inches (150 mm).
  - 3. Offset transverse joints, in successive courses, a minimum of 24 inches (600 mm).
  - 4. Construct transverse joints as described in AI MS-22, "Construction of Hot Mix Asphalt Pavements."
  - 5. Compact joints as soon as hot-mix asphalt will bear roller weight without excessive displacement.

6. Compact asphalt at joints to a density within 2 percent of specified course density.

**g. COMPACTION**

- i. Coarse Aggregate Base Course: Shall be compacted to not less than 100% maximum density determined in accordance with AASHTO T 99-01, Method A or C. Density of compacted base course shall be determined at regular intervals using AASHTO T 191-02
- ii. General: Compact placed hot-mix material in accordance with IDOT Standard Specifications and as indicated herein. Begin compaction as soon as placed hot-mix paving will bear roller weight without excessive displacement. Compact hot-mix paving with hot, hand tampers or vibratory-plate compactors in areas inaccessible to rollers.
  1. Complete compaction before mix temperature cools to 185 deg F (85 deg C).
- iii. Breakdown Rolling: Complete breakdown or initial rolling immediately after rolling joints and outside edge. Examine surface immediately after breakdown rolling for indicated crown, grade, and smoothness. Correct laydown and rolling operations to comply with requirements.
- iv. Intermediate Rolling: Begin intermediate rolling immediately after breakdown rolling while hot-mix asphalt is still hot enough to achieve specified density. Continue rolling until hot-mix asphalt course has been uniformly compacted to the following density:
  1. Binder and Surface Courses: In accordance with IDOT Standard Specifications Article 406.16.
  2. Stabilized Subbase: In accordance with IDOT Standard Specifications Article 312.10.

**h. FINISH ROLLING**

Finish Rolling: Finish roll paved surfaces to remove roller marks while hot-mix asphalt is still warm.

- i. Edge Shaping: While surface is being compacted and finished, trim edges of pavement to proper alignment. Bevel edges while asphalt is still hot; compact thoroughly.
- ii. Repairs: Remove paved areas that are defective or contaminated with foreign materials and replace with fresh, hot-mix asphalt. Compact by rolling to specified density and surface smoothness.
- iii. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.
- iv. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

**i. INSTALLATION TOLERANCES**

- i. Thickness: Compact each course to produce the thickness indicated within the following tolerances:
  1. Binder Course: Plus or minus 1/4 inch (6 mm).
  2. Surface Course: Plus 1/4 inch (6 mm), no minus.
- ii. Surface Smoothness: Compact each course to produce a surface smoothness within the following tolerances as determined by using a 10-foot (3-m) straightedge applied transversely or longitudinally to paved areas:
  1. Base Course: 1/2 inch (13 mm).
  2. Surface Course: 1/4 inch (6 mm).
  3. Crowned Surfaces: Test with crowned template centered and at right angle to crown. Maximum allowable variance from template is 1/4 inch (6 mm).

**j. PAVEMENT MARKING**

- i. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Owner.
- ii. Allow paving to age for 30 days before starting pavement marking.
- iii. Sweep and clean surface to eliminate loose material and dust.
- iv. Apply paint with mechanical equipment to produce pavement markings, of dimensions indicated, with uniform, straight edges. Apply at manufacturer's recommended rates to provide a minimum wet film thickness of 15 mils (0.4 mm).

**k. FIELD QUALITY CONTROL**

- i. Contractor will engage a qualified independent testing and inspecting agency to perform field tests and inspections and to prepare test reports.
- ii. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
- iii. Thickness: In-place compacted thickness of hot-mix asphalt courses will be determined according to ASTM D 3549.
- iv. Surface Smoothness: Finished surface of each hot-mix asphalt course will be tested for compliance with smoothness tolerances.
- v. In-Place Density: Testing agency will take samples of uncompacted paving mixtures and compacted pavement according to ASTM D 979.
  - 1. Reference maximum theoretical density will be determined by averaging results from four samples of hot-mix asphalt-paving mixture delivered daily to site, prepared according to Illinois Modified AASTHO T 209, and compacted according to job-mix specifications.
  - 2. In-place density of compacted pavement will be determined by testing core samples according to ASTM D 1188 or ASTM D 2726.
    - a. One core sample will be taken for every 1000 sq. yd. (836 sq. m) or less of installed pavement, with no fewer than 3 cores taken.
    - b. Field density of in-place compacted pavement may also be determined by nuclear method according to ASTM D 2950 and correlated with ASTM D 1188 or ASTM D 2726.
- vi. Remove and replace or install additional hot-mix asphalt where test results or measurements indicate that it does not comply with specified requirements.

**I. DISPOSAL**

- i. Except for material indicated to be recycled, remove excavated materials from Project site and legally dispose of them in an EPA-approved landfill.
  - 1. Do not allow excavated materials to accumulate on-site.

**NOTE: Parking Lot paving to be done with 2" base course, 2" surface course, and 8" stone base, unless noted otherwise.**

**END SECTION -02520**

## **SECTION 02721 - AGGREGATE BASE COURSE**

### **PART 1 GENERAL**

#### **1.1 SECTION INCLUDES**

- A. Aggregate Base Course

#### **1.2 RELATED REQUIREMENTS**

- A. ASPHALT PAVING - Section 02520

#### **1.3 REFERENCE STANDARDS**

- A. ASTM D 698 - Standard Test Methods for Laboratory Compaction Characteristics of soil using standard effort (12,400 ft-lbf/ft<sup>3</sup> (600 kN-m/m<sup>3</sup>));2007.
- B. ASTM D 1556 – Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method; 2007.
- C. SSRBC – Standard Specifications for Road and Bridge Construction, adopted by the Illinois Department of Transportation on January 1, 2002, including applicable current Supplemental Specifications and Special Provisions.

#### **1.4 SUBMITTALS**

- A. Compaction Density Test Reports

#### **1.5 DELIVERY, STORAGE, AND HANDLING**

- A. When necessary, store materials on site in advance of need.
- B. When aggregate materials need to be stored on site, locate stockpiles where indicated.
  - 1. Separate differing materials with dividers or stockpile separately to prevent intermixing.
  - 2. Prevent Contamination
  - 3. Protect stockpiles from erosion and deterioration of materials.

#### **1.6 SEQUENCING AND SCHEDULING**

- A. Construct aggregate base only after all of the following have been completed.
  - 1. Subgrade has been corrected for instability problems and successfully passed a rolling test, performed by the contractor and witnessed by the owner.
  - 2. Subgrade has been checked for conformance to line and grade tolerances (Stringline).

#### **1.7 GUARANTEE**

- A. Guarantee all work within this section for one year following final acceptance and in accordance with General and Supplementary Conditions.

### **PART 2 PRODUCTS**

#### **2.1 MATERIALS**

- A. Sub-Base Granular Material: SSRBC Section 311
- B. Aggregate for Base Course: SSRBC Section 351, Type B.

### **PART 3 EXECUTION**

#### **3.1 EXAMINATION**

- A. Verify that survey benchmarks and intended elevations for the work are as indicated.
- B. Verify substrate has been inspected, gradients and elevations are correct, and is dry.

#### **3.2 PREPARATION**

- A. Correct irregularities in substrate gradient and elevation by scarifying, reshaping and re-compacting.
- B. Do not place aggregate on soft, muddy, or frozen surfaces.

**3.3 INSTALLATION**

- A. Place aggregate in maximum 8-inch layers and roller compact to specified density.
- B. Level and contour surfaces to elevations and gradients indicated.
- C. Add small quantities of fine aggregate to coarse aggregate as appropriate to assist compaction.
- D. Add water to assist compaction. If excess water is apparent, remove aggregate and aerate to reduce moisture content.
- E. Use Mechanical tamping equipment in areas inaccessible to compaction equipment.

**3.4 TOLERANCES**

- A. Flatness: Maximum variation of ¼ inch measured with 10-foot straight edge.
- B. Scheduled Compacted Thickness: within ¼ inch.
- C. Variation from Design Elevation: within ½ inch.

**3.5 FIELD QUALITY CONTROL**

- A. The contractor shall have an independent testing laboratory sample the aggregate base materials, determine the moisture/density relationships, and gradation and perform field moisture/density tests.
- B. Compaction density testing will be performed on compacted aggregate base course in accordance with ASTM D1556.
- C. Results will be evaluated in relation to compaction curve determined by testing uncompacted material in accordance with ASTM D698 ('Standard Proctor').

**3.6 CLEANING**

- A. Remove unused stockpiled materials, leave area in a clean and neat condition. Grade stockpile area to prevent standing surface water.

**END OF SECTION – 02721**



## SECTION 02500-SITE CONCRETE

### 1. General Description

#### 1.01 Description of Work

- A. This work will consist of pouring new footings for all fence posts, basketball and tennis net posts per plans and specifications using Portland Cement.
- B. This work shall consist of all work shown on the Construction Plans and Construction Documents.

#### 1.02 Standards

- A. All work required under this section shall conform to the current edition of the "ILLINOIS DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

#### 1.03 Weather and Environmental Conditions

- A. No concrete shall be poured when the air temperature is below 45 degrees.
- B. No concrete shall be poured when rain or similar weather has been forecast or is occurring near the project site.

#### 1.04 Submittals

- A. Submit shop drawings for all rebar reinforcement.

#### 1.05 Concrete Protection

- A. Concrete shall be maintained in a continually moist condition for a minimum of seven (7) days after pouring.
- B. The air and ground temperature around the concrete shall be maintained at 45 degrees or higher.
- C. All concrete surfaces must be protected from weather conditions, including rail, snow, frost, hail, etc.
- D. All concrete surfaces must be secured and protected from graffiti, vandalism or similar damage. The Contractor will be responsible for the protection of each concrete pour until the concrete has had sufficient time to harden. Any concrete that is vandalized or receives graffiti must be removed and replaced by the Contractor at no additional expense to the Owner.

#### 1.06 Concrete Testing

- A. The Contractor must provide test cylinders for any concrete work completed as part of this work. A total of one (1) test cylinder shall be filled from each truck load of concrete delivered to the site. Each cylinder shall be clearly marked with the date of delivery, location of pour, name of concrete supplier and load or delivery ticket number.
- B. Testing services will be arranged and paid for by the Owner. The Contractor will be responsible for the disposal of all un-tested cylinders.

### 2. Products and Materials

- A. Must be Mix #1 as shown below in concrete mixture matrix.
  - B. Must have a compressive strength of 4,000 pounds per square inch at 28 Days.
  - C. Must slump between two (2) to four (4) inches.
1. Must be delivered to the job site and discharged from the truck within one (1) hour after mixing at the mixing plant.

### Concrete Mixture Matrix

Design Mix #			Mix 1
<b>Strength</b>	PSI		4000
<b>Slump Range</b>	Inches		2 to 4
<b>Air Content</b>	%		5 to 8

Material	Specification & Description
<b>Cement</b>	ASTM-C150, Type 1
<b>Fly Ash</b>	ASTM C618
<b>GGBF Slag</b>	ASTM C989
<b>Fine Aggregate</b>	ASTM C33, Natural Sand
<b>Course Aggregate</b>	ASTM C33, #57 Aggregate
<b>Course Aggregate</b>	ASTM C33, #8P-Grvl Aggregate
<b>Water</b>	ASTM C94, Potable
<b>Water Reducing Agent</b>	ASTM C494, Type A/D Mid-Range
<b>Air Entraining Agent</b>	ASTM C260
<b>Water Reducing Agent</b>	ASTM C494, Type A/D
<b>Calcium Chloride</b>	ASTM C494, Type C

<b>*As Needed to Insure Proper A/E</b>
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**2. Equipment**

- A. All equipment used to perform this work must conform to the relevant section of the IDOT Specifications.

**3. Inspections**

- A. Prior to the pouring of concrete, all formwork, steel reinforcing and base course preparation shall be inspected and approved by the Owner's Representative or by the Landscape Architect.
- B. The Contractor must provide a minimum of 48 hours' notice to the Owner's Representative or the Landscape Architect to schedule inspections.

**3.01 Preparation**

- A. The Contractor must excavate and remove all topsoil or unsuitable soils to obtain a clean compacted clay subgrade elevation for concrete installation.
- B. Any soils encountered, which prohibit the construction of concrete on structural clay, shall be removed. Compacted aggregate base material must then be added to compensate for removal of unsuitable or organic soils.
- C. A four (4) inch minimum compacted thickness of aggregate base material, or as otherwise shown on the details, must be installed over the prepared and compacted subgrade.

### 3.02 Installation

- A. All formwork must be constructed to the horizontal and vertical lines and grades shown on the plans. Forms must be sufficiently staked and braced to eliminate any movement after concrete has been poured. Any deflection in formwork will result in the removal and replacement of the affected area or concrete, subject to the review by the Owner. Formwork must remain in place for a minimum of twenty-four (24) hours or until the concrete has had sufficient time to set up.
- B. Install reinforcing #4 steel rebar grids in locations and sized as shown on the plans and details instead of wire mesh. Rebar to be set on top of two by four wood blocks in a grid of 2' x 2'. During the pouring of concrete, wood blocks are taken out. This reinforcement applies per below:

5" Reinforced Concrete: 2' x 2' Grid as noted above. 6" Reinforced Concrete: 2' x 2' Grid as noted above  
Concrete Curbs, Stairs and Walls: Not applicable

- C. Expansion joints must be installed against existing concrete and stationary objects and where indicated on plan. Expansion joints must be made of a water-resistant asphalt fiber material and sized as follows:  
Concrete Walks & Slabs: 1/2" Wide  
Concrete Curbs: 3/4" Wide

Expansion joints must be located as follows or where indicated on plan:  
Concrete Walks: 30.0' On Center  
Concrete Curbs: 25.0' On Center

The top of the expansion joint material must be installed a minimum of 1/4 below the finish grade of the concrete surface.

- D. Concrete Finishing
  - 1. Walks must be finished by floating, steel troweling, tooled scoring, and edging, and medium broom finishing perpendicular to the path of pedestrian travel. Install 1" Deep by 3/16" Wide tooled scoring joints at five (5) feet on center or as indicated on plan. Other finishes, including California Finish shall be executed if shown on the plan and details.
  - 2. Curbs, stairs and walls must be finished by vibrating, floating, steel troweling, tooled scoring, edging, chamfering, and medium broom finishing, unless otherwise indicated on the plans and details.
  - 3. A deeper, scored finish is required as shown on the plans for ADA ramps.
- E. Clean-Up
  - 1. All concrete must be clean and free of any debris, mortar, or dirt, etc. Acceptable methods of cleaning include power washing or sweeping.
  - 2. All fence posts, bench legs, table, legs, litter receptacle legs or sign posts, etc, which come into contact with poured concrete must be clean and free of any concrete debris.

**END SECTION – 02500**

**DIVISION 2 - SITE WORK**  
**Section 02510 – Color Coat & Line Stripe**

**PART 1 - GENERAL**

**1.00 DESCRIPTION**

A. Quote

1. This work includes but is not limited to furnishing and transporting all materials, equipment and labor necessary for:
  - a. Surface preparation
  - b. Application of color finish system and line paint for basketball courts
  - c. Repair of damaged areas and clean-up of project site.
2. This section of the specifications is part of the Contract Documents and the contractor shall comply with and fulfill all provisions and requirements contained in said Contract Documents pertaining to the performance of the work under this section.

**1.01 REFERENCES**

- A. American Society for Testing and Materials. (ASTM)

**1.02 QUALITY ASSURANCE**

- A. Comply with all codes, laws, regulations of Federal, State and Municipal authorities having jurisdiction over this part of the work.

**1.03 JOB CONDITIONS AND PROTECTION**

- A. Safety Precautions: The contractor shall take all necessary precautions to insure safety and prevent accidents or injury to the public, children and workers on, about or adjacent to the site during working hours and after hours.
- B. Safety Devices: Provide all barricades, orange safety fencing, lights and other protective devices necessary to surround the construction area and fulfill the intent of the work, including requirements of all Federal, State, or Municipal laws or ordinances and maintain same for full period of this operation, removing same when indicated or no longer required. Excavations shall be protected at all times and maintained in good order until backfill is in place.
- C. Utilities: The contractor will be responsible for calling J.U.L.I.E. (811) to verify the location of all utilities prior to the start of construction. The cost to repair and replace any existing utilities damaged will be paid for by the contractor.
- D. Construction traffic shall enter and leave site at a designated access point. Provisions shall be made to minimize the transport of sediment (mud) by runoff or vehicle tracking onto public streets. The Contractor shall keep all

public streets clean of dirt and debris and, when necessary, clean pavements on a daily basis.

- E. All work in this section shall be considered incidental to the cost of all work to be performed.

## **PRODUCTS**

### **2.00 MATERIALS - GENERAL**

- A. Each and all types of materials, equipment, products and accessories for this project shall be of the type, performance and quality as specified herein, the standard catalogue product of a reputable, nationally recognized manufacturer and shall be used in the quote for this project.
- B. If the contractor wishes to deviate from the plans and specifications and submit an “approved equal” for specified materials, equipment, products and accessories for consideration, the quote submitted with an “approved equal” item(s) will not be accepted unless the following procedures are followed:
  - 1. Contractors desiring to submit an “approved equal” must notify the owner and supply the manufacturer’s shop drawings and specifications for the item(s) a minimum of seven (7) working days prior to the day the quote is due.
  - 2. The owner shall review and make a determination if any and or all proposed “approved equals” meet the plans and specifications for the item.
  - 3. If it is determined that the proposed “approved equals” meet the plans and specifications of the item, the owner shall notify all bidders no later than two (2) working days prior to the day the quotes are due to allow them the opportunity to include that “approved equal” with their quote.
  - 4. Quotes submitted without pre-approved “approved equals” shall not be considered.
- C. The owner's decision as to equality, merit and quality of an “approved equal” will be final.

### **2.01 COLOR FINISH SYSTEM AND LINE PAINT**

- A. Court Patch Binder: The material for surface patching the courts shall be a concentrated Acrylic binder for mixing with silica sand and cement, “Court Patch Binder” by Plexipave, Div. of California Products Corp., 150 Dascomb Rd., Andover, MA 01819, Phone 800-225-1141, Elite Sport Coating System, SportMaster Sport Surfaces, or "approved equal".

- B. Acrylic Resurfacer: The material for the surface preparation of the courts shall be an acrylic binder for job mixing with silica sand and water for filler coat mixes, "Acrylic Resurfacer" by Plexipave, Div. of California Products Corp., 150 Dascomb Rd., Andover, MA 01819, Phone 800-225-1141, Elite Sport Coating System, SportMaster Sport Surfaces, or "approved equal".
  
- C. Color Surfacing System: The color surfacing for the basketball court shall be a ready-to- use, textured color surfacing, "Fortified Plexipave" by Plexipave, Div. of California Products Corp., 150 Dascomb Rd., Andover, MA 01819, Phone 800-225-1141 or SportMaster Acrylic Resurfacer by ThorWorks Industries, P.O. Box 2277, Sandusky OH 44870, Phone 800-326-1994, Elite Color Concentrate by Elite Sport Coating System, SportMaster Sport Surfaces, or "approved equal".
  - 1. Materials for "Fortified Plexipave Color Surfacing System" shall meet Plexipave, Div. of California Products Corporation's specification, Section 10.2 .
  - 2. Materials for SportMaster Color Concentrate shall meet ThorWorks Industries' specification.
  - 3. Court colors shall be noted on the plans and be a dark blue and light green.
  
- D. Line Paint: Line paint shall be 100% acrylic line marking paint, "Plexicolor<sup>®</sup> Line Paint" by Plexipave, Div. of California Products Corp., 150 Dascomb Rd., Andover, MA 01819, Phone 800-225-1141 or SportMaster T/C Textured White Line Paint by ThorWorks Industries, P.O. Box 2277, Sandusky OH 44870, Phone 800-326-1994, Elite Line Paint by Elite Sport Coating System, SportMaster Sport Surfaces White Line Paint, or "approved equal".
  - 1. All lines shall be white unless otherwise noted.

**PART 3 EXECUTION**

**3.00 COLOR SURFACING SYSTEM AND LINE PAINTING FOR SPORT COURTS**

- A. General
  - 1. This work shall not be performed if rain or high humidity is imminent, or unless the air temperature is at least 50°F and rising. Do not apply if surface temperature is in excess of 140° F.
  - 2. Materials specified for the Color Surfacing System shall be delivered to the site in sealed, green painted containers properly labeled with California Products Corporation labels, and stenciled with the proper batch code numbers. Keep containers tightly closed when not in use.
  - 3. The work shall be performed with a flexible rubber squeegee by

experienced and trained workers. No application shall be covered by a succeeding application until thoroughly cured.

4. The Owner will inspect each phase of the work and approval must be obtained prior to commencing the next phase of the Color Surfacing System.
5. The colors must be a dark blue and light green. The contractor must submit the color coating manufacturer specs and color samples with before doing work.

B. Protection and Traffic Control

1. It shall be the Contractor's responsibility to keep the public off the courts while the color finishing system and line paint is drying. Any disturbance or marring of the finish by foot traffic, bicycle tires, etc. shall be repaired by the Contractor at their expense.
2. The courts shall be closed off with caution tape, ropes or barricades, signs or in any manner the contractor chooses to protect the courts.
3. This work shall be considered incidental to the cost of the work.

C. Surface Preparation

1. The surface shall be pressure sprayed at a minimum of 3,000 p.s.i. and scraped to remove any loose areas of color coating.
2. The number of applications and length of time necessary to completely remove loose paint and materials shall be considered incidental to the cost of the work.

3. Edge Preparation

- a. The contractor shall remove all grass and weeds growing over the edge of the perimeter of the surface. Weeds and grass removed shall be legally disposed of.
- b. Edge preparation shall be included in the cost of the work.
4. The Owner shall inspect and approve the prepared surface before the contractor continues with the color coating process.

D. Water

1. It shall be the contractor's responsibility to locate and provide their own source of water through legal means and provide their own hoses and water meter. The contractor is not allowed to use water from



private residences.

2. If the contractor is going to use a municipal fire hydrant for water, they shall get a permit and water meter from the municipality and provide the owner with a copy. If another water source is used, the contractor will provide the owner with written verification of approval to use the water source.

E. Court Patch Binder

1. The asphalt surface to be coated must be sound, smooth, and free from dust, dirt or oily and existing materials prior to the application of surfacing materials.
2. All low areas or "bird baths" shall be patched and leveled with Court Patch Binder using the following mix:
  - 100 lbs. 45-60 mesh silica sand (dry)
  - 3 gallons Plexipave, Elite Court, or SportMaster Patch Binder
  - 1 to 2 gallons Portland Cement (dry) (depending on humidity and temperature)
3. The contractor shall route, clean and fill in all cracks, pitted edges, nicks, gouges and scrapes with court patch binder.
4. If any patch work is performed, the contractor shall sand and pre-coat all patches and check the results of the patchwork performed. After patching, the surface shall not vary more than 1/8 inch in ten feet measured in any direction.
5. The owner will inspect and approve the patching work with the contractor before the acrylic resurfacer is applied.

F. Acrylic Resurfacer

1. The surface to receive the Color Surfacing System shall be clean, sound, free of grease, oils and other foreign materials.
2. After the surface has been approved by the owner, the contractor shall then coat the entire surfaces with Acrylic Resurfacer to achieve a uniform dense surface.
3. Mixing the materials shall be done with clean, fresh water at the project site only.
4. Mixing, application, and rate of application shall be in accordance with the manufacturer's specifications and instructions as follows:
  - 15-20 square yards per gallon. (.05 -.07 gal./sq.yd.)

G. Color Surfacing System (Two Coats)

1. Color Surfacing Material

- a. The color surfacing material for the surface course shall be "Fortified Plexipave", SportMaster Color Concentrate, Elite Sport Coating System, or SportMaster Coating System as specified herein.
- b. The court playing surfaces shall be Fortified Plexipave, Elite Sport Coating System, SportMaster Color Coating System in the following colors as shown on the plans: Court color shall be noted on the plans.
- c. All court lines shall be white unless otherwise noted. Mixing the materials shall be done with clean, fresh water, and shall be done at the project site only.
- d. Mixing, application, and rate of application shall be in accordance with the manufacturer's specifications and instructions as follows:
  - First Coat – 15-20 square yards per gallon. (.05-.07 gal./sq.yd.)
  - Second Coat – 20-25 square yards per gallon. (.04-.05 gal./sq.yd.)
- e. The two (2) coat Color Surfacing System comprised of two (2) coats of "Fortified Plexipave", SportMaster Color Concentrate, or Elite Sport Coating System shall be applied to the courts in multiple applications to form a true, uniform surface, texture and color.
- f. The first coat shall be applied length-wise of the surfaces, and the second coat, cross-wise of the surfaces.
- g. Prior to applying the second (finish) coat, an inspection of the entire surface of the courts shall be made, and any ridges, loose or foreign particles shall be removed. The final finish shall be applied cross-wise of the surfaces producing a uniform color throughout when viewed from a distance of 25 feet from any edge of the court at midday.
- h. Protect adjacent areas and structures (fences, posts, sidewalks, buildings, etc.), which are not to be coated. In the event that coatings are applied to above, remove immediately before drying is complete.
- i. A final inspection will be made by the owner, and if the surfaces are not covered to a uniform, even texture free of all porosity, a third coat of "Fortified Plexipave" shall be applied to attain uniformity. The third coat of "Fortified Plexipave", if necessary, shall be considered incidental to the cost of the contract.

H. Playing Lines

1. Four hours minimum after completion of the Color Surfacing System, 2-inch wide playing lines shall be accurately located and marked as shown on the plans and painted with Plexicolor Line Paint, SportMaster T/C Textured White Line Paint, or Elite Sport Line Paint as specified.

I. Basis of Payment

1. Surface Preparation, Color Surfacing System and Line Painting  
**This work will be paid for at the contract unit price per LUMP SUM in place for surface preparation, color Surfacing System with line painting of the rates, applications, and methods specified herein. This price shall include all necessary patch work, application of Acrylic Resurfacer, and two (2) coats of the Color Surfacing System with all line striping and all other materials involved, all labor and equipment necessary to complete the work.as specified. This price shall include all labor, materials and equipment necessary to complete the work.**

3.01 WARRANTY

1. **This work shall be warrantied against defective workmanship and material of any nature for a period of one (1) year from date of final payment. The contractor shall repair as originally specified at the contractor's expense and to the satisfaction of the owner.**

3.02 REPAIR AND CLEAN-UP

- 1 All areas disturbed by the contractor's operations shall be repaired to their original condition. The contractor shall pay for the repair of all damage to existing roadways, sidewalks, curbs, utilities, plant material, turf and site furnishings caused by his work. If any turfed areas are deemed to be disturbed (rutted, turf damage, etc.), the Contractor shall dress these areas with pulverized top soil and re-seed.
- 2 At the completion of the work under this contract, the contractor shall remove all his debris and accumulated materials caused by his work and legally dispose of it, and leave the site in a clean, neat order acceptable to the owner.
- 3 All repair work and clean up shall be considered incidental to the cost of the contract.
- 4 The Contractor shall re-install the tennis court net(s) and provided by the Owner.

**SECTION 02930 - SOD AND SEED TURF ESTABLISHMENT**

**Part I - Scope**

1.1 The work includes furnishing and placing black earth (topsoil), fertilizer (by Owner unless damaged by Contractor), seed and/or sod (by Owner unless damaged by Contractor) as stated in the project specifications, and performing all operations in connection with seeding and sodding, all complete and subject to the terms and conditions of the contract. **This section applies to Creekside, Willow, Frontier, Nickol Knoll, Patriot and Heritage Parks. For the other listed sites, there will not be site restoration required for normal site work activities, however; if excessive site damage occurs at any of the other sites, then that will need to be restored per these specifications.**

**Part II - Materials**

2.1 Black Earth (topsoil) if required by project specification, shall be fertile, friable, natural surface soil to be capable of producing satisfactory agricultural crops. See section 02200 Earthwork.

2.2 Commercial Fertilizer shall be delivered to the site in unopened, original containers, each bearing name and address of the manufacturer, name brand or trademark and manufacturer's guaranteed analysis. Any fertilizer which becomes caked or otherwise damaged, making it unsuitable for use, will not be accepted. The fertilizer formula shall contain a minimum basis percentage by weight of the following:

Nitrogen	33%	insoluble in water 24%
Phosphoric Acid	4%	
Potash	8%	

2.3 The balance of the fertilizer shall be made up of materials usually present in such a product, and shall contain IBDU (Isobutylidene Diurea).

2.4 Fertilizer shall be of the inorganic type in composition, dry and free flowing, equal to "PAREX" IBDU. Not more than 2% shall be retained on a 14-mesh sieve and not more than 25% shall pass through a 65-mesh sieve. It shall be free from dust, sticks, sand, stone and other debris.

2.5 Grass Seed shall be recleaned seed of seed crop from the year stipulated in the project specification. All seed shall meet the requirements established by the State and Federal Seed and Weed Control Laws, covering law on "AGRICULTURAL SEED." Seeds shall meet the following requirements in respect to purity and germination, for areas as noted on the plans:

TURF GRASS AREA:

<u>VARIETY</u>	<u>PERCENT OF MINIMUM PURITY</u>	<u>PERCENT OF MINIMUM GERMINATION</u>
Kentucky Blue Grass	85	75
Red Top	92	85
Red Fescue	98	90
Domestic Rye	98	87

2.6 The percentage of hard seed included as a part of the germination percentage of any lot of seed, shall not exceed twenty. Kentucky Blue Grass seed shall weigh a minimum of 21 pounds to the measured bushel and for all seeding shall be of the crop year indicated in the project specifications.

A. Packing and Marking: All seeds shall be delivered in sacks unmixed. Seeds shall be packed for delivery in suitable bags in accordance with standard commercial practice. Each bag shall be tagged or labeled as required by the law of the STATE OF ILLINOIS. The vendor's name shall show on or be attached to each bag, together with a statement signed by the vendor, showing: (a) the kind of seed contained; (b) the percentage of purity and germination; (c) the percentage of hard seed, if any; (d) a statement conforming to the laws of the STATE OF ILLINOIS herein before mentioned, showing percentage of weed seeds if any.

Mixing of Seed: The seed shall be mixed thoroughly in the following proportions:

TURF GRASS AREA:

Kentucky Blue Grass	70%
Red Top	5%
Creeping Red Fescue	15%
Domestic Rye	10%

- B. Blue Grass Sod shall be NURSERY grown of the type and variety specified, containing no bent grass, quack grass or other noxious weed growth. It shall be free from fungus and other diseases and be a minimum of two years growth. It shall be of firm, tough texture, having a compact growth of grass and good root development. The sod root zone shall be of good, fertile, natural field soil and free from stones and debris and the sod shall contain sufficient moisture to maintain its vitality during transportation.
1. Mowing: Before being cut and lifted, the sod shall have been mowed at least twice with a lawn mower, with the final mowing not more than seven days before the sod is cut. Sod cut for more than 48 hours shall not be used without the approval of the landscape architect.
  2. Cutting: The sod shall be carefully cut into uniform strips or rolls of one inch thick. Strips less than 12-inches in width will not be accepted. Each strip shall be rolled as compactly as is possible without breaking the turf.
  3. Inspection: The sod will be inspected at the source, by the landscape architect or his authorized representative, hereinafter called the landscape architect, before cutting; and areas that fail to meet with his approval shall not be cut for the purpose of supplying material under the contract. The landscape architect shall be permitted to take such samples as he may select. All sod shall be fresh and green when placed. Any sod that is dried out, burned, inferior in quality to said samples, or in any way failing to meet the requirements of these specifications will be rejected and the contractor shall immediately remove such rejected material from the premises of the owner and supply suitable material in its place.

### Part III - Site Preparation

- 3.1 Spreading and Rough Grading of Black Earth (if required): The contractor shall spread and rough grade the areas to an elevation approximately 0.2-feet plus or minus below the finish grade as directed by the landscape architect. All equipment used for spreading and rough grading work shall be as approved by the landscape architect.
- A. Filling: All areas to be seeded or sodded shall be thoroughly prepared to the required depth of approximately three inches, by disking, harrowing or by other approved means. Limited areas shown on the drawings, which are too small to make these operations practicable shall receive special scarification prior to final tilling. Tilling shall continue until the condition of the soil is acceptable to the landscape architect as suitable for the specified type of seeding or sodding. When conditions are such, by reason of drought, excessive moisture or other factors, that satisfactory results are not likely to be obtained, the work will be stopped by the landscape architect and shall be resumed only when directed. Undulations or irregularities in the surface, that would interfere with further contractor's operations or maintenance, shall be leveled before the next specified operation.
  - B. Cleanup: After completion of tilling operations, the surface shall be cleared of all stones, stumps or other objects larger than 1-inch in thickness of diameter and of roots, brush, wire, grade stakes and other objects that may be a hindrance to maintenance operations. Adjacent paved areas shall be kept clean and soil or other dirt that may be brought upon the surface shall be removed promptly.
  - C. Fine Grading: Final grades on the areas to be seeded or sodded are shown on the drawings by contour lines. The surfaces shall be left at the indicated grades in an even and properly compacted condition which insofar as practicable, will not provide dips and pockets where water may stand. Upon completion of tilling operations and immediately prior to sowing seed

or placing sod, the area shall be finish graded as needed to correct surface irregularities produced by the preceding operations or by other cause and to restore design grades.

#### **Part IV - Spreading Fertilizer**

Fertilizer shall be distributed uniformly at a rate of 300 pounds per acre, over the areas indicated to be seeded or sodded, and shall be incorporated into the soil to a depth of at least 2-inches by disking, harrowing or other acceptable methods. The incorporation of fertilizer may be a part of the tillage operation specified above.

#### **Part V - Seeding**

- 5.1 Time Limits: All sowing of seed shall be done during the months as stated in the CONTRACT under COMPLETION TIME. Sowing delayed beyond the specified dates, by circumstances beyond the contractor's control may be continued upon written approval of the landscape architect.
- 5.2 Seeding: No seeds shall be sown during high winds. Method of sowing and equipment shall be approved by the landscape architect. Seed shall be applied at the rate of 3 pounds per 1,000 square feet or as recommended by Seed provider. Seed shall be broadcast either by hand or sowing equipment. Half the seed shall be sown with the sower moving in one direction and the remainder shall be sown with the sower moving at right angles to the first sowing. The seeded area shall be lightly raked, being careful not to rake seed from one area to another thus causing an uneven seeding. The seed shall be covered to a depth from 1/8-inch to 1/4-inch. Seeding shall be done by laborers experienced in this type of work. No seeding shall be done on an area compacted by rain until the soil is brought back to a friable condition.
- 5.3 Straw mulching and Hydro-mulching shall be done immediately after seeding: Straw mulch shall consist of straw free from weed seeds and foreign materials spread uniformly over the seeded areas at a rate of one bale per 1,000 square feet. Hydro-mulch may be used throughout, and must be used on areas with slopes of 4:1 or greater. Hydro-mulch must be composed of wood cellulose fiber and must not contain any chemicals that prohibit grass seed growth. Hydro-mulch must also include a tacifier and may be pigmented green to permit the verification of application. When applied, the hydro-mulch must form a cover that reduces erosion, absorbs water and permits percolation of water into the soil. No non-biodegradable materials may be used for this purpose. After the grass has germinated and is 1/2-inch high, the majority of the straw mulch shall be removed using a flexible wire broom.
- 5.4 Temporary Cutting and Maintenance of Grass: All seeded areas shall be watered daily with a fine spray until germination. The seed bed shall be kept moist but not wet during the period of seed germination. Care must be taken that the seed bed does not dry out in spots. During germination, the water shall penetrate to a depth of 1-inch into the seed bed. After germination, as the grass roots go deeper into the soil, the quantity of water shall be increased so that the depth of penetration is a minimum of 3-inches. Maintenance, including watering and cutting of grass, shall continue until all seeding work under this contract has been completed and accepted by the owner. The contractor shall cut grass starting when the grass becomes 3-inches high, and once a week thereafter. Included in the cutting of grass shall be the cutting and trimming required around trees, baseball backstops, drainage structures, curbs and all areas that grass abuts, as required or directed by the landscape architect. The contractor shall maintain a height of not less than 2-inches. The contractor shall be responsible for at least three cuttings prior to final inspection.
- 5.5 The lawn areas to be acceptable shall be in a green and healthy condition, void of bare spots. Water will be supplied by the owner for watering purposes where available. If water is not available from the owner, the contractor shall supply water from his own source. The contractor shall furnish the hose and proper equipment for watering purposes.
  - A. Protection: The contractor is responsible for the proper care of the seeded areas during the period when the vegetation is being established. The area shall be protected against traffic or other use, by placing "NEWLY SEEDED" or other appropriate approved warning placards until all work under the contract is completed and accepted.

- B. Repair: If at any time before completion and acceptance of the entire work covered by this contract, any portion of the surface becomes gullied or otherwise damaged following seeding, or has been winter-killed or otherwise destroyed, the affected portion shall be repaired to re-establish the condition and grade of the soil prior to seeding and shall then be reseeded as specified herein before by the contractor, at no additional cost to the owner.

## **Part VI - Sodding**

- 6.1 The surface on which sod is to be laid shall be firm and free from footprints or other depressions. Sod shall be laid in such a manner that joints between courses do not coincide. Sod shall be tightly fitted and tamped lightly to ensure contact with the surface of the soil at all points.
- 6.2 All laid sod shall be protected from usage by workmen or equipment, so as not to disturb joints or cause depressions through footprints or vehicle ruts. Any disturbed areas shall be redone to conform to grade. Sod shall be thoroughly watered after laying.
- 6.3 On slopes steeper than 3 to 1 and elsewhere where so directed. The Sod shall be fastened in place with suitable wooden pins or by other approved methods. The sod shall be given one watering as soon as excessive drying is evident. Sufficient water shall be applied to wet the sod bed at least 2-inches deep. Watering shall be done in a manner that will avoid erosion due to the application of excessive quantities and the water equipment shall be of a type that will prevent damage to the finished surface.
  - A. Temporary Cutting and Maintaining of Grass: Maintenance including watering and cutting of grass shall continue until all sodding work under this contract has been completed and accepted by the owner. The contractor shall cut grass starting when the grass becomes 3-inches high and once a week thereafter.
  - B. Included in the cutting of grass shall be the cutting and trimming required around trees, baseball backstops, drainage structures curbs, and all areas that grass abuts, as required or directed by the landscape architect. The contractor shall maintain a height of not less than 2-inches. The contractor shall be responsible for at least three cuttings prior to final inspection.
  - C. The lawn areas, to be acceptable, shall be in a green and healthy condition, void of bare spots. Water will be supplied by the owner for watering purposes where available. If water is not available from the owner, the contractor shall supply water from his own source. The contractor shall furnish the hose and proper equipment for watering purposes.

**End of Section – 02930**

**SPECIFIED PRODUCTS TO FOLLOW...**

# DecoTurf® Installation Guideline

## FOR NEW OR EXISTING ASPHALT SURFACES

### Scope

This Installation Guideline is intended as a general reference to describe product usage and construction techniques which will tend to provide an evenly textured, cushioned, color surface for new or existing hot mix asphalt pavement tennis courts.

### 1.0 SURFACE PREPARATION

#### 1.1 Base Construction

Surface must meet or exceed the American Sports Builders Association (ASBA) applicable Guidelines. Upgrading and recoating previously colored surfaces requires the surface and base construction to be in sound condition and in compliance with the applicable ASBA Guidelines.

#### 1.2 Substrate Curing Requirements

New hot-mix asphalt surfaces must be allowed a minimum of 14 days cure time before application of Deco Surfacing products.

#### 1.3 Crack Filling

The surface must be smooth, free of dirt, loose or flaking paint, oily materials or chemical residues, vegetation of any sort and any other debris or foreign matter that may prevent the proper product adhesion. Thoroughly rout existing cracks of dirt, debris and loose impediments. Cracks should be blown clean with an air compressor. After cleaning, apply Deco Crack Filler 64061 to fill cracks. See Specification 64061 for details.

#### 1.4 Surface Imperfections

Before the application of Deco products, the court surface shall be flooded with water and allowed to drain. Any depressions capable of submerging a U.S. five-cent piece after one hour should be marked with chalk, not crayon or a grease pencil. These areas must be allowed to thoroughly dry. Once dried, apply Acrylic Patch Binder 920-39 to the marked area(s). See Specification 920-39 for details.

#### 1.5 Priming

Priming of asphalt surfaces is only necessary if existing asphalt is too badly weathered to establish a strong bond with the Acrylic Resurfacer. In the case of extremely oxidized asphalt surfaces, contact your Deco Area Manager.

### 2.0 REQUIRED MATERIAL FOR DecoTurf on Asphalt

The following products will be referenced in this Installation Guideline. For detailed product information consult the individual Specifications:

Acrylic Patch Binder 920-39  
Deco Crack Filler 64061  
Acrylic Resurfacer 920-29  
DecoTurf II 920-30  
DecoBase II 920-06  
DecoBase I 920-05  
DecoColor MP Classic 920-27  
White Line Paint 920-22

### 3.0 APPLICATION OF ACRYLIC RESURFACER 920-29.

Deco recommends 1-2 coats of Acrylic Resurfacer 920-29 prior to the application of any Deco Surfacing System. The undiluted coverage rate for Acrylic Resurfacer is approximately 0.06 gallons per square yard, per application.

#### 3.1 Mixing Instructions

The following mix has been found to be satisfactory for average surface conditions:

Acrylic Resurfacer 920-29	55 gallons	30 gallons
Silica Sand (60 - 80 Mesh)	600 - 900 lbs.	325 - 400 lbs.
Clean potable water	20-40 gallons	11-22 gallons

Do not use sand containing clay, silt, ferrous metals or salt.

Thorough mixing is required. A mechanical mixer is recommended and mixture should be stirred until homogeneous. Periodic mixing should take place as job progresses to ensure consistent application. In very warm conditions more water may be added.

#### 3.2 Installation

Using a 50-70 durometer rubber squeegee, apply Acrylic Resurfacer mix parallel to one of the sides of the surface area. Care should be taken not to leave ridges where adjoining applications overlap. Under hot conditions, application is improved by keeping surface damp with a fine mist water spray. Never allow water to pool on the surface.

#### 3.3 Drying and Cure Time

Acrylic Resurfacer must be allowed to cure a minimum of 2 hours before applying additional acrylic coatings, assuming 70°F temperatures and 50% relative humidity. Low temperatures and high humidity will increase drying time dramatically.

### 4.0 APPLICATION OF DECOTURF II 920-30 COURSE

Three (3) applications are the minimum required prior to the application of DecoBase II. The undiluted coverage rate for DecoTurf II is approximately 0.16 gallons per square yard, per application. Additional coats of DecoTurf II may be installed to increase resiliency. Consult Specification 920-30 and/or your Deco Area Manager for details.

#### 4.1 Mixing Instructions

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The following mix has been found to be satisfactory for average surface conditions:

DecoTurf II® 920-30	55 gallons
Clean potable water	10 - 12 gallons

Thorough mixing is required. A mechanical mixer is recommended and mixture should be stirred until homogeneous. Periodic mixing should take place as job progresses to ensure consistent application. In very warm conditions more water may be added.

#### 4.2 Installation

Using a 50 durometer flexible rubber squeegee or approved spray apparatus, apply the DecoTurf II mix parallel to one of the sides of the surface area. Care should be taken not to leave ridges where adjoining applications overlap. Application in hot conditions is improved by keeping surface damp with a fine mist water spray. Do not allow the spray to puddle. When the first application has cured the next coat should be installed at 90° to the previous application.

#### 4.3 Drying and Cure Time

Before re-coating, each application of DecoTurf II must be allowed to fully cure. Under optimum installation conditions (70°F temperatures and 50% relative humidity) a maximum of two coats per day can be installed.

#### 5.0 APPLICATION OF DECOBASE II® 920-06 COURSE

Two-three (2-3) applications are the minimum required over DecoTurf II, however additional coats may be installed to increase resiliency and surface consistency. The undiluted coverage rate is approximately 0.10-0.12 gallons per square yard, per application. Consult Specification 920-06 and/or your Deco Area Manager for details.

#### 5.1 Mixing Instructions

The following mixes have been found to be satisfactory for average surface conditions:

DecoBase II® 920-06	55 gallons
Clean potable water	10 - 12 gallons

Thorough mixing is required. A mechanical mixer is recommended and mixture should be stirred until homogeneous. Periodic mixing should take place as job progresses to ensure consistent application. In very warm conditions more water may be added.

#### 5.2 Installation

Using a flexible rubber squeegee, 50 or 70 durometer, or approved spray apparatus, apply the DecoBase II mix parallel to one of the sides of the surface area. Care should be taken not to leave ridges where adjoining applications overlap. Application in hot conditions is improved by keeping surface damp with a fine mist water spray. Do not allow the spray to puddle. When the first application has cured the next coat should be installed at 90° to the previous application.

#### 5.3 Drying and Cure Time

Before re-coating, each application of Deco Base II must be allowed to fully cure. Under optimum installation conditions (70°F temperatures and 50% relative humidity), a maximum of two coats per day can be installed.

#### 6.0 APPLICATION OF DECO TEXTURE COURSE

The Deco color surfacing system consists of two distinct components. DecoBase I acrylic texture coating and DecoColor MP Classic. DecoBase I is supplied as an unpigmented concentrate intended to be tinted with DecoColor MP Classic. Two (2) applications have proven to give excellent performance results. The undiluted coverage rate is approximately 0.06 gallons per square yard, per application (150 square feet per gallon). If applied over DecoBase II the undiluted coverage rate is approximately .0865 gallons per square yard, per application (105 square feet per gallon).

#### 6.1 Mixing Instructions

The following mixes have been found to be satisfactory for average surface conditions:

DecoBase I 920-05	55 gallons
DecoColor® MP Classic 920-27	15 gallons
Clean potable water	23 gallons

Thorough mixing is required. A mechanical mixer is recommended and mixture should be stirred until homogeneous. Periodic mixing should take place as job progresses to ensure consistent application. In very warm conditions more water may be added.

#### 6.2 Installation

Using a 50 durometer flexible rubber squeegee apply DecoBase I and DecoColor MP Classic mix parallel to one of the sides of the area to be coated. Care should be taken not to leave ridges where adjoining applications overlap. Application in hot conditions are improved by keeping surface damp with a fine mist water spray. Additional applications should be installed at 90° to the previous application.

#### 6.3 Drying and Cure Time

The Deco Texture Course must be allowed to dry 4 hours before another coating can be applied, assuming 70°F temperatures and 50% relative humidity. Low temperatures and high humidity will increase drying time dramatically.

#### 7.0 APPLICATION OF DECOCOLOR FINISH COURSE

One (1) finish course of DecoColor MP Classic has proven to give excellent performance results. The undiluted coverage rate for the DecoColor finish course is approximately 0.04 gallons per square yard, per application.

#### 7.1 Mixing Instructions

The following mixes have been found to be satisfactory for average surface conditions:

DecoColor MP Classic 920-27	55 gallons	30 gallons
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Clean potable water	38 gallons	20 gallons
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Thorough mixing is required. A mechanical mixer is recommended and mixture should be stirred until homogeneous. Periodic mixing should take place as job progresses to ensure consistent application. In very warm conditions more water may be added.

**7.2 Installation**

Using a 50 durometer flexible rubber squeegee apply DecoColor MP Mix parallel to one of the sides of the area to be coated. Care should be taken not to leave ridges where adjoining applications overlap. Applications in hot conditions are improved by keeping surface damp with a fine mist water spray. No pooling should be allowed. Additional applications should be installed at 90° to the previous application.

**7.3 Drying and Cure Time**

DecoColor MP must be allowed to dry for 4 hours between coating applications, assuming 70°F temperatures and 50% relative humidity. Low temperatures and high humidity will increase drying time dramatically.

**8.0 APPLICATION OF WHITE LINE PAINT 920-22**

One (1) application has proven to give excellent coverage. Approximately 3/4 gallon is needed for a standard tennis court.

**8.1 Mixing Instructions**

White Line Paint comes ready to apply. Only gentle stirring is necessary. DO NOT DILUTE.

**8.2 Striping Layout**

Consult the American Sports Builders Association specifications for proper striping layouts.

**8.3 Application**

Apply White Striping Paint 920-22 to the clean, dry, color coated surface by brush, roller, airless spray or special marking equipment. Apply tape to both sides of the area to be striped. Apply a primer coat of the final acrylic color coating over the inside edges of the tape. This will seal the tape to the acrylic surface and prevent the White Striping Paint from bleeding under the tape. One coat is usually enough.

**8.4 Drying and Cure Time**

White Striping Paint must be allowed to dry for 4 hours between coating applications, assuming 70°F temperatures and 50% relative humidity. Low temperatures and high humidity will increase drying time dramatically. Completed projects should be allowed 24 hours before releasing to play.

**9.0 LIMITATIONS**

**9.1 Surface Limitations**

Deco Surfacing products are limited to application on hot-mix asphalt and Portland cement concrete recreational surfaces. Deco Surfacing Systems does not recommend, nor authorize application on any other surfaces without prior approval from your Deco Area Manager.

**9.2 Weather Limitations**

No part of the construction involving the Deco Surfacing System should be conducted during rainfall, or when rainfall is imminent. The air temperature must be at least 60°F and rising. Do not apply when surface temperature is above 140°F.

**9.3 Will Not Prevent Cracks**

No part of the installation will prevent cracks from occurring or prevent existing cracks from reappearing.

**9.4 Do Not Over Dilute**

Over dilution can cause streaking, foaming, adhesion failure, sand fall-out and poor overall durability of the coating.

**9.5 Indoor Application Curing**

Drying times are retarded by high humidity, cool temperatures or lack of air movement. This is particularly important to note when installing indoors, where all three factors are often very pronounced. Consult your Deco Technical or Sales Representative for dry time requirements.

**9.6 Keep From Freezing**

Water-based, acrylic products must be kept from freezing during storage or in transit. If you receive product you suspect may have been exposed to freezing temperatures, consult your Deco Area Manager for proper handling instructions.

**10.0 LIMITED WARRANTY**

The Company warrants that the products to be delivered and sold there under are the kind and quality described in its specifications and no other warranty, except of title, is expressed or implied. All other warranties and/or liabilities, including consequential damages, are specifically excluded whether the directions for a product's use are followed or not. Notification of any apparent defect or defects shall be made promptly in writing to the Company. Should any product (unless sold as is) prove, upon our inspection, to be defective in workmanship or materials in accordance with the specifications, the Company will replace the product or refund the purchase price. No person has the authority of the Company to make or accept any other warranty, liability, or conditions on the Company's behalf. If the above stated conditions of this warranty are unacceptable, the purchaser may return, at his expense, all unopened packages, bags or containers for credit within 30 days from the date of purchase.

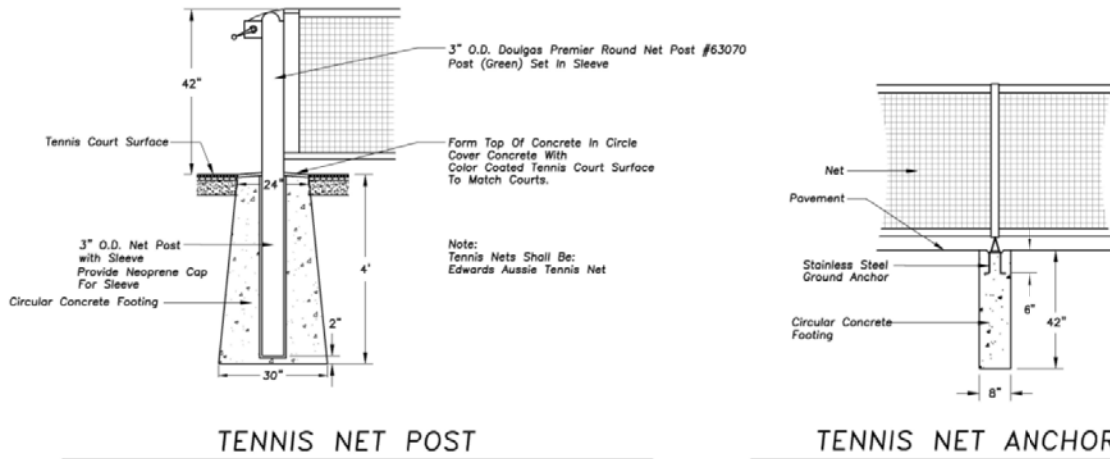
**11.0 FOR FURTHER INFORMATION**

DecoTurf Installation on Asphalt 10/2005

California Products Corporation manufactures many different recreational surfaces products. For additional information, contact us at:

Deco Surfacing Systems  
a division of California Products Corporation  
150 Dascomb Road  
Andover, MA 01810  
(800) 332-6178  
[specs@decoturf.com](mailto:specs@decoturf.com)

DecoTurf Installation on Asphalt 10/2005



The Edward Aussie tennis net is a mid-level tennis net that can be characterized as having Edwards exceptional quality at a great price. This is a great net for more recreational type tennis, such as schools, parks and private residences. Some of the great features are its 3.0 mm net body, quad stitched vinyl coated headband and a tapered center so that the bottom tape does not rub against the court surface preventing excess wear and tear.

**Features:**

- Heavy duty 3.0 mm braided polyethylene net body
- Vinyl coated headband that is quad stitched
- Vinyl coated steel net cable
- Side and bottom tapes are vinyl coated
- Bottom tape is tapered to allow for a perfect fit and to prevent excess rubbing of the net bottom along the court
- Two 7/8" fiberglass dowels
- Center Strap included
- 3 year limited warranty

Edwards is known for its quality and tradition. They have been in business for over 100 years and have been supplying tennis products to Grand Slam tournaments throughout the world, including Wimbledon and the US Open.

# 166-4 VERTICAL OUTDOOR BACKSTOP

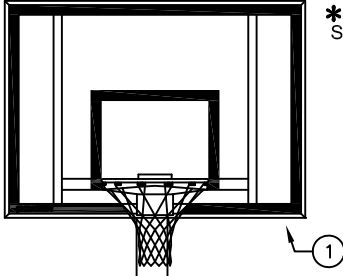
6'-0" EXTENDED OUTDOOR SYSTEMS - FOR RECTANGULAR BACKBOARDS

**Porter**  
 WWW.PORTERATHLETIC.COM/FACILITY

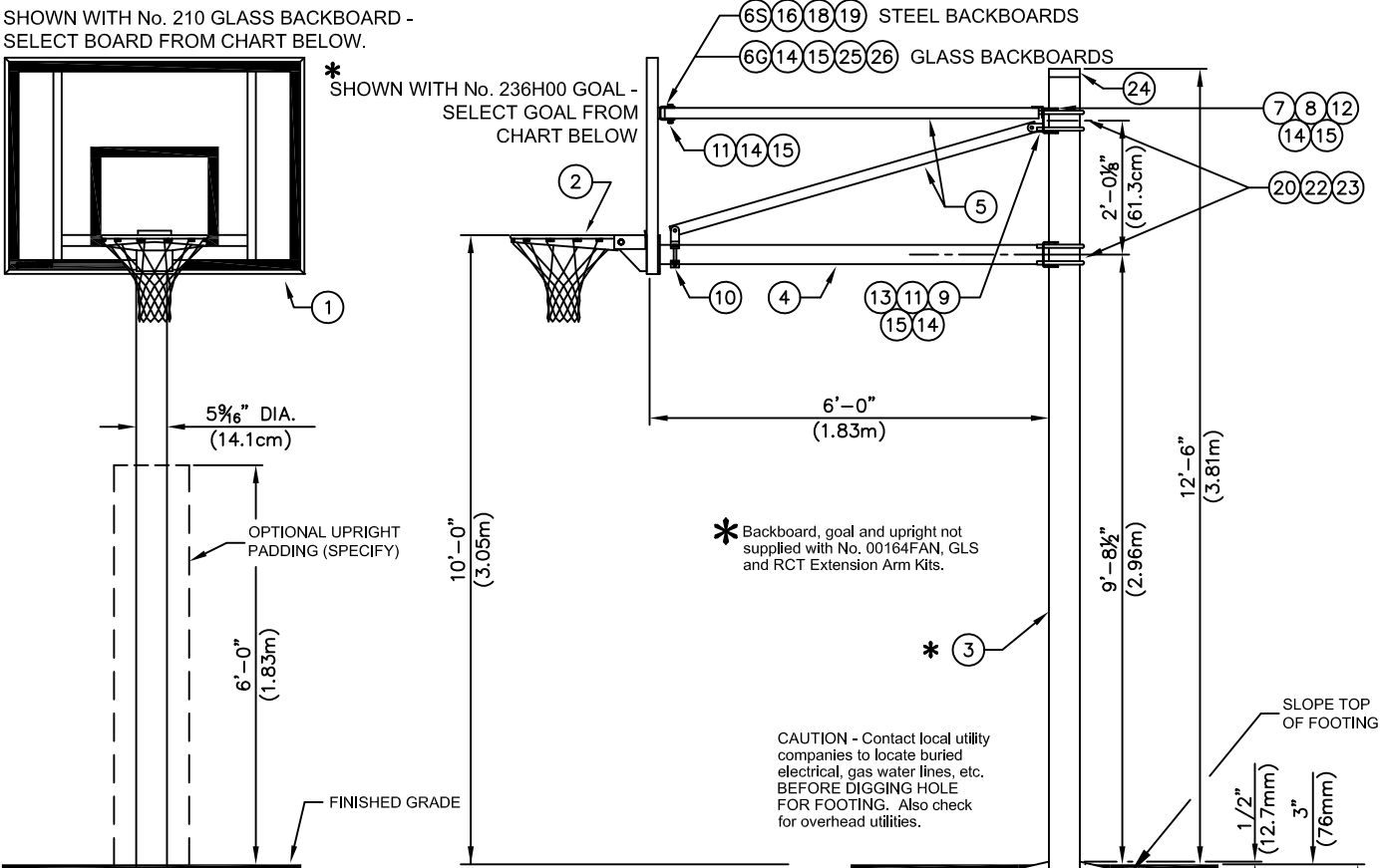
**BASKETBALL SPECIFICATION SHEET**

R-166-4

\* SHOWN WITH No. 210 GLASS BACKBOARD - SELECT BOARD FROM CHART BELOW.



\* SHOWN WITH No. 236H00 GOAL - SELECT GOAL FROM CHART BELOW



\* Backboard, goal and upright not supplied with No. 00164FAN, GLS and RCT Extension Arm Kits.

CAUTION - Contact local utility companies to locate buried electrical, gas water lines, etc. BEFORE DIGGING HOLE FOR FOOTING. Also check for overhead utilities.

◆ MINIMUM RECOMMENDED FOOTING SIZE SHOWN. INCREASE SIZE OF FOOTING AS REQUIRED ACCORDING TO LOCAL SOIL CONDITIONS, AND TO MEET LOCAL BUILDING CODES REGARDING MINIMUM WIND SPEEDS.

- \* — 00166GLS EXTENSION ARM KIT (6' Ext.) WITH HARDWARE FOR EXISTING 5 1/8" DIA. POLE, FOR USE WITH RECT. GLASS BOARDS
- \* — 00166RCT EXTENSION ARM KIT (6' Ext.) WITH HARDWARE FOR EXISTING 5 1/8" DIA. POLE, FOR USE WITH RECT. STEEL BOARDS

PARTS LIST					
No.	QTY.	DESCRIPTION	No.	QTY.	DESCRIPTION
1	1	BACKBOARD SEE CHART BELOW	14	8	HDWE 04003 OEO 1/2" LOCKWASHER
2	1	GOAL	15	8	HDWE 03003 OEO 1/2" HEX NUT
3	1	UPRT 00259 OGO GALVANIZED UPRIGHT: 5 1/8" Dia.	16	2	HDWE 01208 OEO 3/8" x 2 1/2" Lg. HEX HD CAP SCREW(Gr 5)
4	1	EXTN 00051 O09 GALVANIZED EXTENSION ARM: 3 1/2" Dia.	18	4	HDWE 04002 OEO 3/8" LOCKWASHER
5	3	TUBR 00461 OGO GALVANIZED BRACE TUBE: 1 1/2" Dia.	19	2	HDWE 03002 OEO 3/8" HEX NUT
6G	2	BRCE 00078 BRACE CLAMP: RECT GLASS BOARDS	20	4	UBOT 00012 OEO 5/8" U-BOLT: 5 1/2" Dia. Upright
6S	2	BRCE 00088 009 BRACE CLAMP: RECT STEEL BOARDS	22	8	HDWE 04006 OEO 5/8" LOCKWASHER
7	1	ANGL 00119 009 BRACE ANGLE	23	8	HDWE 03012 OEO 5/8" HEX NUT
8	1	CLMP 00044 OGO MAST CLAMP	24	1	PCAP 00028 002 PIPE CAP
9	1	HING 00009 009 HINGE	25	4	HDWE 05017 1/2" FLAT WASHER SAE
10	1	XHNG 3010P 009 BRACE HANGER ASSEMBLY	26	2	HDWE 01164 OEO 1/2" x 2 1/2" HEX HD CAP SCREW (Gr 5)
11	3	HDWE 01140 OEO 1/2" x 3" Lg. HEX HD CAP SCREW (Gr 5)			
12	2	HDWE 01166 OEO 1/2" x 2 1/2" Lg. HEX HD CAP SCREW(Gr 5)			
13	1	HDWE 02055 OEO 1/2" x 1 1/4" Lg. CARRIAGE BOLT (Gr 5)			

NOTE - SEE INDIVIDUAL DRAWINGS FOR BACKBOARD, GOAL AND PADDING SPECIFICATIONS

PART NUMBER:  _____ - 00166_ _0  Change last digit from 0 to 1 if backstop is to be used with No. 00275000 Outdoor Ground Sleeve.  _____ - 00187-0XX UPRIGHT PROTECTIVE PADDING IN STANDARD PORTER COLORS  EXAMPLE: No. 00166430 - INCLUDES 210 GLASS BACKBOARD AND 00202H00 DOUBLE-RIM GOAL	GOAL	00235000	00202H00	00251H00	236H00	5 1/8" DIA. SUPPORT POLE STRAIGHT POLE STYLE	
	BOARD	210	420	430	440		450
		207	520	530	540		550
		209	620	630	640		650

Upright can be provided in Porter's standard powder-coat colors. Refer to Porter's power-coat color chart.

**Porter**<sup>®</sup>

PROJECT NUMBER \_\_\_\_\_

PROJECT NAME \_\_\_\_\_

# 166-4 VERTICAL OUTDOOR BACKSTOP

6'-0" EXTENDED OUTDOOR SYSTEMS - FOR RECTANGULAR BACKBOARDS

## SPECIFICATIONS

### PORTER No. 00166XX0 – 6' EXTENDED VERTICAL POST BACKSTOP

Upright support shall be 5-9/16" (14.13cm) O.D. heavy-wall galvanized steel pipe capped at top end. Welded anchor lugs shall be provided on lower end for securing into a concrete footing.

Backboard shall be supported 6'-0" (1.83m) in front of upright support by means of special horizontal support assemblies for ease of installing goal height at any location between 8'-0" (2.44m) and 10'-0" (3.05m).

Lower horizontal support assembly shall be fabricated from 3-1/2" O.D. (8.89cm) O.D. heavy-wall tubing equipped with a special steel, die formed fitting for attachment to the upright support. Lower horizontal support assembly shall extend to a mounting plate directly behind the goal mounting holes to transfer all goal impact loading directly to the rear support structure to eliminate stress on the backboard. Lower horizontal support assembly shall be supported directly behind the goal mounting plate by means of a diagonally mounted heavy-wall 1-7/8" (4.76cm) O.D. steel tube extending to the upper end of the upright support.

Upper part of the backboards shall be further braced by dual, heavy-wall 1-7/8" (4.76cm) O.D. steel tubes extending outward from the upper end of the center upright support into special hinge fittings mounted on 2'-11" (88.9cm) centers on the backside of the backboards.

All metal parts shall be furnished in a galvanized or zinc Flo-Coat finish.

XX designates backboard and goal required – see chart on opposite side of this sheet for selection – specify. For specifications of backboards or goals, see specific page in backboard/goal section.

Backstop can be used with optional No. 00275000 Outdoor Ground Sleeve, if periodic removal is required. Change last digit of backstop part number from 0 to 1 if backstop is to be used with No. 00275000 Outdoor Ground Sleeve. Example: 00166521.

Upright, extension arm and brace tubes can be provided in Porter's standard powder-coat colors. Refer to Porter's powder-coat color chart.

#### OPTIONAL ITEMS TO SPECIFY

See Page No. R-187 for specifications on Porter No. 001870XX Upright Padding (Each).

See Page No. B-324-72 for specifications on Porter No. 00324672 Backboard Padding (Each)

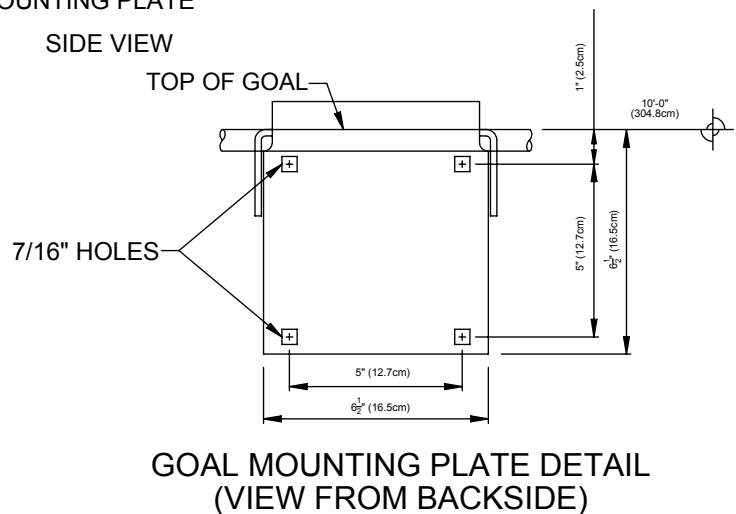
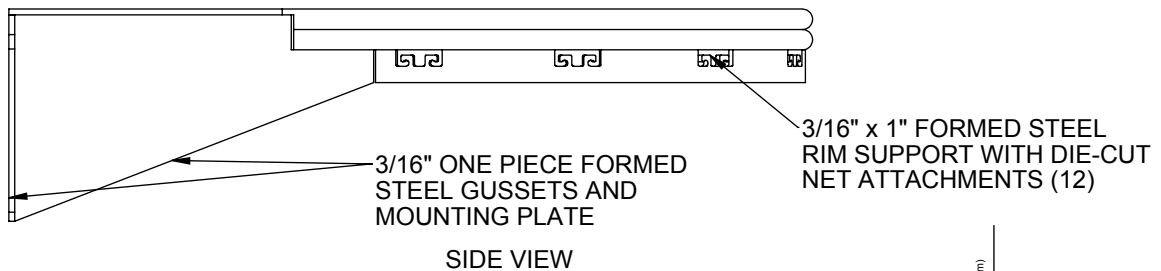
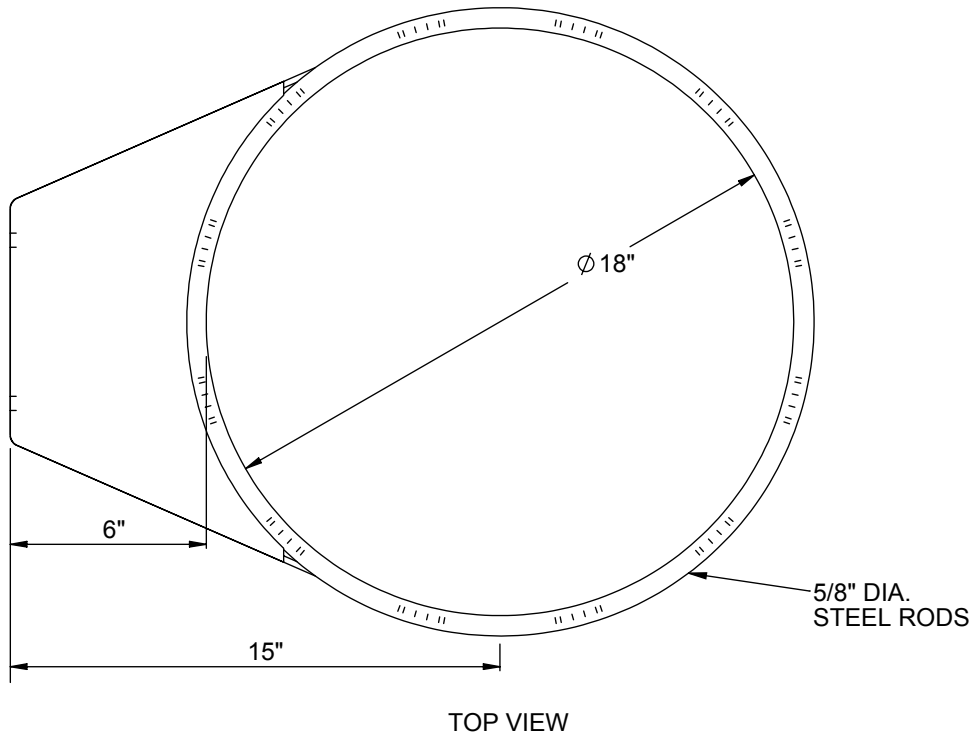
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BASKETBALL SPECIFICATION SHEET

R-166-4

# 00251H00 - HEAVY DUTY GOAL

WITH MOUNTING HARDWARE AND NYLON NET



- 00251H00 WITH MOUNTING HARDWARE AND NYLON NET  
SEE B-200 FOR COMPATABLE BACKBOARDS

# 00251H00 - HEAVY DUTY GOAL

WITH MOUNTING HARDWARE AND NYLON NET

## SPECIFICATIONS

Goal shall be designed with a double rim, continuous net support and heavy-duty side and center support gusset plates for the ultimate in strength and durability for parks and playgrounds.

Double rim design shall be formed to an official 18" inside diameter with 5/8" diameter solid cold rolled steel bars. Rims shall be further supported by a continuous 3/16" x 1" steel net tie strip. Net support strip shall be precision die cut with twelve net attachment openings to eliminate breakage associated with conventional type wire formed net tie clips.

Rims shall be supported by a heavy mounting backplate with formed side plates tangentially connecting into the net support strip for maximum strength. Center reinforcing steel gusset shall provide additional rim support. Mounting backplate shall provide mounting centers of 5" x 5" (12.7cm x 12.7cm).

Goal finished in a durable orange powder-coat finish.

Goal furnished complete with Grade 5 carriage bolts, mounting hardware and nylon net.

For details on compatible backboards see B-200.

## WARRANTY

- 251 goals furnished with a unconditional lifetime warranty.

## OPTIONAL ITEMS (SEE SPECIFICATION SHEETS FOR DETAIL)

- Heavy-Duty Basketball Chain Net (00161-000)
- Fair-Court<sup>®</sup> Basketball Rim Testing System (ERT2003NCAA or ERT2003FIBA)
- No. 01218000 Tamper-Proof Goal Hardware (B-1218)
- No. 01216000 Removable Goal Adapter Kit (B-1216)



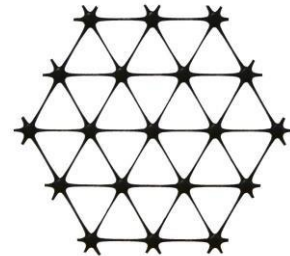
## Product Specification – AmeriGrid EL130-660

Tensar International Corporation reserves the right to change its product specifications at any time. It is the responsibility of the person specifying the use of this product and of the purchaser to ensure that product specifications relied upon for design or procurement purposes are current and that the product is suitable for its intended use in each instance.

### General

- The geogrid is manufactured from a punched polypropylene sheet, which is then oriented in three substantially equilateral directions so that the resulting ribs shall have a high degree of molecular orientation, which continues at least in part through the mass of the integral node.
- The properties contributing to the performance of a mechanically stabilized layer include the following:

### Tensar TriAx® Geogrid



Index Properties	Longitudinal	Diagonal	General
<ul style="list-style-type: none"> <li>Rib pitch<sup>(2)</sup>, mm (in)</li> <li>Rib shape</li> <li>Aperture shape</li> </ul>	33 (1.30)	33 (1.30)	Rectangular Triangular

### Structural Integrity

<ul style="list-style-type: none"> <li>Junction efficiency<sup>(3)</sup>, %</li> <li>Isotropic Stiffness Ratio<sup>(4)</sup></li> <li>Radial stiffness at low strain<sup>(5)</sup>, kN/m @ 0.5% strain (lb/ft @ 0.5% strain)</li> </ul>			93 0.6 200 (13,708)
---	--	--	------------------------------

### Durability

<ul style="list-style-type: none"> <li>Resistance to chemical degradation<sup>(6)</sup></li> <li>Resistance to ultra-violet light and weathering<sup>(7)</sup></li> </ul>			100% 70%
---	--	--	-------------

### Dimensions and Delivery

The TX geogrid shall be delivered to the jobsite in roll form with each roll individually identified and nominally measuring 6 feet in width and 60 feet in length.

### Notes

- Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759. Brief descriptions of test procedures are given in the following notes.
- Nominal dimensions.
- Load transfer capability determined in accordance with ASTM D6637 and ASTM D7737 and expressed as a percentage of ultimate tensile strength.
- The ratio between the minimum and maximum observed values of radial stiffness at 0.5% strain, measured on rib and midway between rib directions.
- Radial stiffness is determined from tensile stiffness measured in any in-plane axis from testing in accordance with ASTM D6637.
- Resistance to loss of load capacity or structural integrity when subjected to chemically aggressive environments in accordance with EPA 9090 immersion testing.
- Resistance to loss of load capacity or structural integrity when subjected to 500 hours of ultraviolet light and aggressive weathering in accordance with ASTM D4355.



# GlasPave® Waterproofing Paving Mat

## Specification Sheet – GlasPave® 25/50 Waterproofing Paving Mat

Specifications for Use in Asphalt Overlays					
Property	Test Method	GP25		GP50	
		Metric	Imperial	Metric	Imperial
<b>Tensile Strength (Ultimate)</b> (MD X XD)	ASTM D5035 EN-ISO 10319	25 x 25 kN/m	142 x 142 lbs/in.	50 x 50 kN/m	285 x 285 lbs/in.
<b>Tensile Elongation</b>	ASTM D5035 EN-ISO 10319	< 5%	< 5%	< 5%	< 5%
<b>Young's Modulus E</b>		73,000 MPa	10.6 x 10 <sup>6</sup> psi	73,000 MPa	10.6 x 10 <sup>6</sup> psi
<b>Mass/Unit Area</b>	ASTM D5261 ISO 9864	136 g/m <sup>2</sup>	4.0 oz/yd <sup>2</sup>	237 g/m <sup>2</sup>	7.0 oz/yd <sup>2</sup>
<b>Asphalt Retention</b>	ASTM D6140 EN 15381 Annex C	0.47 l/m <sup>2</sup>	0.10 gal/yd <sup>2</sup>	0.47 l/m <sup>2</sup>	0.10 gal/yd <sup>2</sup>
<b>Melting Point</b>	ASTM D276 EN-ISO 3146	> 232°C	> 450°F	> 232°C	> 450°F
<b>Roll Size</b>		1.27 x 228.6 m 1.91 x 228.6 m 3.81 x 109.7 m	50 in x 250 yds 75 in x 250 yds 150 in x 120 yds	1.91 x 109.7 m 3.81 x 65.8 m	75 in x 120 yds 150 in x 72 yds
<b>Roll Area</b>		290 m <sup>2</sup> 436 m <sup>2</sup> 418 m <sup>2</sup>	347 yd <sup>2</sup> 521 yd <sup>2</sup> 500 yd <sup>2</sup>	209.0 m <sup>2</sup> 250.8 m <sup>2</sup>	250 yd <sup>2</sup> 300 yd <sup>2</sup>



PO Box 87380  
Carol Stream, IL 60188  
630.293.3111

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The values and tolerances given are obtained in our laboratories and in accredited testing institutions. All imperial values are approximate. The information given in this data sheet is to the best of our knowledge true and correct. However new research and practical experience can make revisions necessary. We reserve the right to make changes at any time. Statements concerning possible use of our product are not intended as recommendations for their use in the infringement of any patent. No patent warranty of any kind, expressed or implied, is made or intended.



Tensar International Corporation  
2500 Northwinds Parkway  
Suite 500  
Alpharetta, GA 30009  
800-TENSAR-1  
[tensarcorp.com](http://tensarcorp.com)

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Exclusive distributors in the Americas for: ADFORS SAINT-GOBAIN

April 8, 2024



**ADDENDUM #1**

Arlington Heights Park District (AHPD)  
Request for Proposals- 2024 Asphalt Bid – Various Parks

This addendum becomes part of and modifies, amends, and clarifies Project Manual for the above-mentioned BID. All provisions and requirements of the Project Manual shall remain in effect except as specifically changed in this addendum. Below is the list of clarification and revised items in Addendum #1 (items to follow):

**1. CLARIFICATIONS ON ASPHALT BID:**

- i. All paths, courts and patches to be ADA compliant and not exceed a cross slope of 2%. Courts to be .83-1% in all directions, plus patches and paths main travel to be between 2-5%.
- ii. Park District will not provide asphalt cores for this bid. Materials to be hauled away and priced as such.
- iii. Contractor responsible for keeping existing concrete and asphalt intact- no bobcat tracks, rubber tires only, or the use of 10” of mulch and plywood is encouraged to protect the site. Any damages to be repaired by Contractor.
- iv. Basketball Goals to be purchased by Owner and installed by Contractor (new bid worksheet/form reflect this). Whereas tennis net system to be furnished & installed by Contractor. Contractor must include price for all concrete footings. Scope changed in red, pg 20 of specifications and included at the end of this document.
- v. Clarification on 663/662 Soil Testing by Contractor is summarized below and included on the new Bid Worksheets and Form:

<u>Site</u>	<u>663 Testing/ Known Dumping</u>	<u>662 Testing/No Dumping</u>	<u>Project Relevance</u>
Creekside Park	N/A	YES	Full tear out of courts will require soil removal.
Nickol Knoll	N/A	N/A	Though a dumpsite, patches don't require soil removal or 663 testing.
Willow Park	N/A	N/A	No soil removal in reinstalling walkway- stone reused.
Frontier Park	N/A	YES	Full tear out of courts will require soil removal.
Patriot Park	N/A	YES	Full tear out of courts will require soil removal.
Melas Park	N/A	YES	For ALTERNATE new path only, base bid doesn't require it with patches, soil remains.
Heritage Park	N/A	YES	Full tear out of courts will require soil removal.

2. **NEW ADDENDUM PLAN SET DATED, 4/7/24**

- i. Edits found on pages C-1 (Coversheet highlights changes), DS-1, DS-3, DS-5, DS-6, DS-7, CS-1, MP-1, HP-1, FP-1, PA-1, and D-1.
  - 1. More clarification on stone and soils that may remain/remove in demolition. Clarification that all existing basketball goals and tennis nets to be disposed of.
  - 2. For Creekside, fence posts to be removed and reinstalled for internal access to the site.
  - 3. New grading on all courts at .83-1% and clarification on fence posts and required proof rolling by Contractor with a Soil Engineer.
  - 4. Construction detail error corrected with location of Geo-grid and 3" binder course and 1.5" for surface course patches.

3. **“REVISED” ASPHALT SCOPE, WORKSHEET AND BID FORM PROVIDED.**

- i. All Contractors to bid using the new form that included missing line items or other changes in red. Forms are attached at the end of this document and replaces pages 20-26 to be thrown out.

**Receipt of this addendum shall be acknowledged in the Bid Form and by signing below and including a copy of this sheet with your bid submission.**

Signature\_\_\_\_\_

Title

Company\_\_\_\_\_

Date\_\_\_\_\_

**Revised Scope page, Bidding worksheets and Form to follow:**

### **2024 ASPHALT - SCOPE OF WORK**

- 1) General Conditions and requirements: Administration, Portable Toilets, safety measures, protective measures including existing tree protection, all construction fencing, silt run-off prevention, following local codes and ordinances, pedestrian and traffic control, signs for closed paths, notification to the park district and any other relevant government authorities, and all asphalt, concrete and stone debris removal and disposal.
- 2) Demolition as shown on plans. Remove and haul away all debris or soil. Excavate new areas as shown.
- 3) Preparing base gravel and reinforcement for sport courts (Tensor Geogrid and Tensor GlassGrid System) as shown on the plans. Prepare new trench & attach additional drainage pipe to existing culvert.
- 4) Providing an asphalt binder and surface courses in thicknesses called out on the plans, that meets the grade of IDOT N50. Installing all patches and asphalt to meet existing grades.
- 5) Ensuring positive drainage on Sport Courts, parking lots and walkways. Pitching asphalt to drain toward all inlets. Lowering inlets at Nickol Knoll Golf Club.
- 6) Disassembling and reinstalling fence or posts as called out on the plans at Creekside.
- 7) Ensuring that all asphalt meet the requirements for the Americans with Disability Act. Walks and pads should not exceed a cross slope of 2% or an 8% slope at the path of travel. Curb cuts shall be smooth and flush at grade.
- 8) Clean up debris and backfill the soil to grade. Grass Seed by the Park District.
- 9) Color coat Sport Courts as shown on the plans and specifications.
- 10) Furnish and install **tennis net systems. Install Basketball Goals provided by Owner.**
- 11) Prices are to include the delivery of all materials, equipment, supplies, tools, transportation, 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 Contract Documents.
- 12) Locations and Details (The Park District will select as many locations as possible to fit within budget allotment, please bid accordingly as if any individual and/or all locations may be selected):

#### **Base Bid locations:**

- a. Creekside Park, 1928 N. Schaefer Rd.; Arlington Heights, IL 60004:  
<https://maps.app.goo.gl/R5YYQ7UhnCkUoHXB7>
- b. Melas Park, 1500 W. Central Rd.; Mount Prospect, IL 60056 (a joint venture):  
<https://maps.app.goo.gl/pDmbhgTVhKjrlgs7>
- c. Nickol Knoll Golf Club, 3800 N. Kennicott Ave.; Arlington Heights, IL 60004 (contact [dbibler@ahpd.org](mailto:dbibler@ahpd.org) [David] to arrange a site visit): <https://maps.app.goo.gl/BXHP3eJDrQUjcQXj7>
- d. Willow Park, 2039 N. Brighton Pl.; Arlington Heights, IL 60004:  
<https://maps.app.goo.gl/PWEDBMbR1X1Mbxjd8>

#### **Alternate Bid locations:**

- a. Frontier Park, 1933 N. Kennicott Ave.; Arlington Heights, IL 60004:  
<https://maps.app.goo.gl/CxRde7fn62bwVoNa9>
- b. Heritage Park, 506 W. Victoria Ln.; Arlington Heights, IL 60005: <https://maps.app.goo.gl/RoK3u2JXh7zRRq9FA>
- c. Melas Park, 1500 W. Central Rd.; Mount Prospect, IL 60056 (a joint venture):  
<https://maps.app.goo.gl/pDmbhgTVhKjrlgs7>
- d. Nickol Knoll Golf Club, 3800 N. Kennicott Ave.; Arlington Heights, IL 60004 (contact [dbibler@ahpd.org](mailto:dbibler@ahpd.org) [David] to arrange a site visit): <https://maps.app.goo.gl/BXHP3eJDrQUjcQXj7>
- e. Patriot Park, Palatine and N. Dale Ave.; Arlington Heights, IL 60004:  
<https://maps.app.goo.gl/mTuoPBXYCD4RafVFX6>

**Work Schedule:** May 1 through November 15, 2024, work to be substantially complete.

**REVISED BASE BID LINE-ITEM FORM 1 of 2**

**CREEKSIDE SPORT COURT ASPHALT IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	934	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	508	Linear Foot	\$	\$
Provide 662 testing to remove any soil.	1	Lump Sum	\$	\$
Demolition, removal, and disposal of ex. asphalt courts, posts, stone base and soil as shown.	1	Lump Sum	n/a	\$
Proof roll base and testing by Soils Engineer to be arranged by Contractor for quality control.	1	Lump Sum	\$	\$
Excavate, prepare cuts & fills, set stone base & pave sport court as noted on plans & specs. Include Tensar Geogrid in base & apply Tensar GlassGrid System between binder & surface courses.	13,000	SF	\$	\$
Remove existing fence fabric and store on site. Keep all fence posts in place as shown on the plans & specifications. Remove and Reinstall fence fabric and select Posts for access.	420	LF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$
Furnish and install Color coating of courts as shown on the plans and specifications.	1	Lump Sum	n/a	\$
Furnish & install and 2 Tennis net systems as spec. Install 1 Basketball Goal, Owner-purchased and include concrete footings needed.	1	Lump Sum	n/a	\$

**Subtotal – CREEKSIDE PARK SPORT COURT ASPHALT IMPROVEMENTS \$ \_\_\_\_\_**

**Record and total on Bid Form-Under “Base Bid”**

**MELAS ASPHALT PATCH & DRAINAGE IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt patches and concrete walk as shown. Sawcut & cleanly remove asphalt for patches as shown.	2,560	SF	\$	\$
Trench cut area for new buried drainage pipe downspout. Install pipe and stone as specified to connect to existing storm sewer as shown on plans. New gutters and downspout by others.	42	Lineal Foot	\$	\$
Pave patch areas as noted on plans & specifications. Ensure that all meet flush at grades and that all are ADA accessible and compliant.	2,560	SF	\$	\$

**Subtotal – MELAS PARK PATCH & DRAINAGE IMPROVEMENTS \$ \_\_\_\_\_**

**Record and total on Bid Form-Under “Base Bid”**

**REVISED BASE BID LINE-ITEM FORM 2 of 2**

**NICKOL KNOLL ASPHALT PATCH & DRAINAGE IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, & disposal of ex. asphalt patches as shown. Sawcut & cleanly remove asphalt for patches as shown in parking lot & on cart paths per plans & specs. Stone may be reused and soils to remain.	1	Lump Sum	\$n/a	\$
Lower Manhole frame or concrete ring(s) to allow positive drainage by parking area patch.	1	Lump Sum	\$	\$
Pave patch areas as noted on plans & specs.	32,800	SF	\$	\$
Crackfill worst areas as noted on plans and specs.	2500	LF	\$	\$

**Subtotal – NICKOL KNOLL PATCH & DRAINAGE IMPROVEMENTS \$ \_\_\_\_\_**

**Record and total on Bid Form-Under “Base Bid”**

**WILLOW ASPHALT WALKWAY IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	3100	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt paths as shown. Sawcut and cleanly remove large tree roots in the way of new path. Stone may be reused for the project and soil remains.	1	Lump Sum	n/a	\$
Pave walkway as noted on plans & specs.	19,430	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$

**Subtotal – WILLOW PARK PATHWAY IMPROVEMENTS \$ \_\_\_\_\_**

**Record and total on Bid Form-Under “Base Bid”**

**REVISED - ALTERNATES BID LINE-ITEM FORM, 1 OF 3**

**ALTERNATE #1**

**HERITAGE SPORT COURT ASPHALT IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	1016	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	450	Linear Foot	\$	\$
Provide 662 testing to remove any soil.	1	Lump Sum	\$	\$
Demolition, removal, and disposal of ex. asphalt courts, posts, existing stone base and soil as shown.	1	Lump Sum	n/a	\$
Proof roll base and testing by Soils Engineer to be arranged by Contractor for quality control.	1	Lump Sum	\$	\$
Excavate, prepare cuts and fills, set stone base and pave sport court as noted on plans & specs. Include Tensor Geogrid at base and apply Tensor GlassGrid System between binder and surface courses.	11,200	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$
Furnish and install Color coating of courts as shown on the plans and specifications.	1	Lump Sum	n/a	\$
Install 4 Basketball Goal(s) purchased by Owner. Include concrete footings.	1	Lump Sum	n/a	\$

Subtotal – HERITAGE PARK BASKETBALL COURT IMPROVEMENTS \$ \_\_\_\_\_

**Record on Bid Form-Under “Alternate 1”**

**ALTERNATE #2**

**FRONTIER SPORT COURT ASPHALT IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	760	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	450	Linear Foot	\$	\$
Provide 662 testing to remove any soil.	1	Lump Sum	\$	\$
Demolition, removal, and disposal of ex. asphalt courts, posts, existing stone base and soil as shown.	1	Lump Sum	n/a	\$
Proof roll base and testing by Soils Engineer to be arranged by Contractor for quality control.	1	Lump Sum	\$	\$
Excavate, prepare cuts and fills, set stone base and pave sport court as noted on plans & specs. Include Tensor Geogrid in base and apply Tensor GlassGrid System between binder and surface courses.	11,000	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$
Furnish and install Color coating of courts as shown on the plans and specifications.	1	Lump Sum	n/a	\$
Install 4 Basketball Goal(s) purchased by Owner and all concrete footings.	1	Lump Sum	n/a	\$

Subtotal – FRONTIER PARK BASKETBALL COURT ASPHALT IMPROVEMENTS \$ \_\_\_\_\_

**Record on Bid Form-Under “Alternate 2”**



**REVISED - ALTERNATES BID LINE-ITEM FORM, 2 OF 3**

**ALTERNATE #3**

**PATRIOT SPORT COURT ASPHALT IMPROVEMENTS**

Item / Description	Quant.	Unit	Unit Price	Subtotal
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	714	Linear Foot	\$	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
<b>Provide 662 testing to remove any soil.</b>	<b>1</b>	<b>Lump Sum</b>	<b>\$</b>	<b>\$</b>
Demolition, removal, and disposal of ex. asphalt courts, <b>posts</b> , existing stone base and soil as shown.	1	Lump Sum	n/a	\$
<b>Proof roll base and testing by Soils Engineer to be arranged by Contractor for quality control.</b>	<b>1</b>	<b>Lump Sum</b>	<b>\$</b>	<b>\$</b>
Excavate, prepare cuts and fills, set stone base and pave sport court as noted on plans & specs. Include Tensor Geogrid in base and apply Tensor GlassGrid System between binder and surface courses.	13,825	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$
Furnish and install Color coating of courts as shown on the plans and specifications.	1	Lump Sum	n/a	\$
<b>Install 4 Basketball Goal(s) purchased by Owner. Include concrete footings.</b>	<b>1</b>	<b>Lump Sum</b>	<b>n/a</b>	<b>\$</b>

Subtotal – PATRIOT PARK BASKETBALL COURT ASPHALT IMPROVEMENTS \$ \_\_\_\_\_

**Record on Bid Form-Under “Alternate 3”**

**ALTERNATE #4**

**PATRIOT ASPHALT PATCH IMPROVEMENTS**

Item / Description	Quant.	Unit	Unit Price	Subtotal
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt patches. Sawcut and cleanly remove asphalt for patches as shown. <b>Stone may be reused, soil stays.</b>	1	Lump Sum	\$n/a	\$
Pave patch areas as noted on plans & specs.	1000	SF	\$	\$
Crackfill as noted on the plans	500	LF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$

Subtotal – PATRIOT PARK PATCH IMPROVEMENTS \$ \_\_\_\_\_

**Record on Bid Form-Under “Alternate 4”**

**REVISED - ALTERNATES BID LINE-ITEM FORM, 3 OF 3**

**ALTERNATE #5**

**NK MAINTENANCE SHOP ASPHALT PATCH & DRAINAGE IMPROVEMENTS**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$
Demolition, removal, and disposal of ex. asphalt patches. Sawcut and cleanly remove asphalt for patches as shown. <b>Stone may remain, soil stays.</b>	1	Lump Sum	\$n/a	\$
Lower Manhole and concrete ring(s) to allow positive drainage.	1	Lump Sum	\$	\$
Pave patch areas as noted on plans & specs.	4700	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$

Subtotal – NK. MAINTENANCE SHOP PATCH & DRAINAGE IMPROVEMENTS \$ \_\_\_\_\_

**Record on Bid Form-Under “Alternate 5”**

**ALTERNATE #6**

**MELAS NEW ASPHALT PATH**

<b>Item / Description</b>	<b>Quant.</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Subtotal</b>
Furnish, install, and maintain temporary 3' construction fencing or barriers to secure site during demolition/construction. Inlet protection.	n/a	Linear Foot	n/a	\$n/a
Furnish, install & maintain 3' Silt Fencing	n/a	Linear Foot	n/a	\$n/a
<b>Provide 662 testing to remove any soil.</b>	<b>1</b>	<b>Lump Sum</b>	<b>\$</b>	<b>\$</b>
Sawcut concrete curb, Excavate, set stone base and pave walkway as noted on plans & specs.	230	SF	\$	\$
Fine grading and backfill. Seed by Park District.	1	Lump Sum	n/a	\$

Subtotal – MELAS PARK NEW PATHWAY IMPROVEMENT \$ \_\_\_\_\_

**Record on Bid Form-Under “Alternate 6”**

**REVISED - Bid Form- 2024 Asphalt – Various Parks**

Proposal of \_\_\_\_\_,

Hereinafter called "BIDDER", (a)/(an) \_\_\_\_\_ (corporation, partnership, individual)

doing business as \_\_\_\_\_

To the Arlington Heights Park District, hereinafter called the "Owner".

The Bidder, in response to your advertisement for bids for '**Arlington Heights Park District – 2024 Asphalt at Various Parks**' having examined the Specifications and other Contract documents, hereby proposes to furnish and deliver all materials and supplies in accordance with the Contract Documents and install same, within the time set forth therein and at the prices stated below. These prices are to cover all expenses including delivery to Arlington Heights, Illinois.

Bidder acknowledges receipt of the following Addenda, which are a part of the Contract Documents:  
Addenda Numbers: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

Bidder hereby agrees to start work within ten (10) days after receipt of "Notice to Proceed" from the Owner and to substantially complete the project as specified in the Bid Packet. Bidder agrees to perform all of the work described in the Contract Documents for the following price:

<b>TOTAL BASE BID</b>	<b>\$</b>	
(Creekside Sport Courts, Melas Patching, Nickol Knoll Parking and Course Patching, Willow Pathway)		
<b>ALTERNATE #1 – Frontier Basketball Court</b>	<b>\$</b>	
<b>ALTERNATE #2 – Heritage Basketball Court</b>	<b>\$</b>	
<b>ALTERNATE #3 – Patriot Basketball Court</b>	<b>\$</b>	
<b>ALTERNATE #4 – Patriot Path Patch</b>	<b>\$</b>	
<b>ALTERNATE #5 – NK Maintenance Patch</b>	<b>\$</b>	
<b>ALTERNATE #6 – Melas New Path</b>	<b>\$</b>	

Unit Prices	Price
Base Stone as specified (per ton)	\$
Walkway as specified (per Sq Yd.)	\$
Sport Court with reinforcement as specified (per Sq. Yd.)	\$
Patch as specified (per Sq. Yd.)	\$
Crack Fill (per LF)	\$
Geo Fabric for reinforcement with tree roots (per Sq. Yd)	\$
Lower Manhole (lump sum- frame or rings)	\$

# 2024 ASPHALT at VARIOUS PARKS



## ARLINGTON HEIGHTS PARK DISTRICT (AHPD)

Site Locations Map

**SHEET INDEX**

Sheet #	Sheet Title
C-1	Cover Sheet
G-1	General Notes
EX-1	Creekside Sport Courts (CS) - Existing Site
EX-2	Nickol Knoll Gold Club Parking & Paths (NK) - BASE BID & ALTERNATE 5
EX-3	Melas Park (MP) Patching - Existing Site - BASE BID & ALTERNATE 6
EX-4	Willow Park Paths (WP) - Existing Site
EX-5	Heritage Park Sport Court (HP) -Existing Site - ALTERNATE 1
EX-6	Frontier Park Sport Court (FP) -Existing Site - ALTERNATE 2
EX-7	Patriot Park Patch & Sport Court (PA) - Ex Site - ALTERNATE 3 & 4
DS-1	Demolition/Site Preparation - Creekside Park
DS-2	Demolition/Site Preparation - Nickol Knoll Golf Club - BASE & ALT 5
DS-3	Demolition/Site Preparation - Melas Park - BASE & ALT. 6
DS-4	Demolition/Site Preparation - Willow Park
DS-5	Demolition/Site Preparation - ALT. 1- Heritage Park
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CS-1	CS - Construction & Grading Plan
NK-1	NK - Construction & Grading Plan - BASE & ALT. 5
MP-1	MP - Construction & Grading Plan - BASE & ALT. 6
WP-1	WP - Construction & Grading Plan
HP-1	HP - Construction & Grading Plan - ALT. 1
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PA-1	PA - Construction & Grading Plan - ALT. 3 & 4
D-1	Construction Details
D-2	Site Prep and Landscape Details

**CREEKSIDE PARK (CP)**  
1928 N. Schaefer Rd.  
Arlington Heights, IL 60004

**NICKOL KNOLL GOLF CLUB (NK)**  
3800 N. Kennicott Ave.  
Arlington Heights, IL 60004

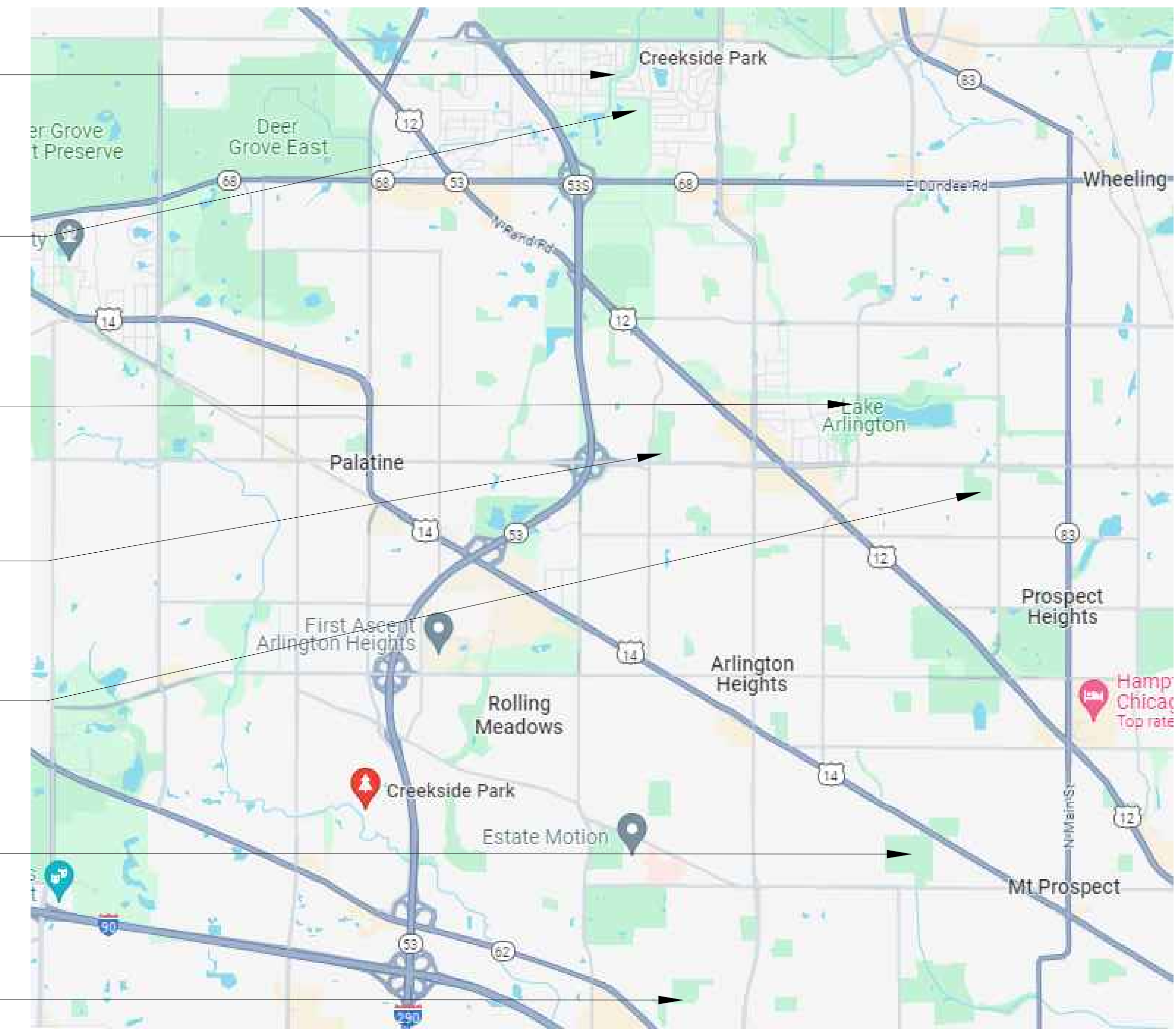
**WILLOW PARK (WP)**  
2039 N. Brighton Pl.  
Arlington Heights, IL 60004

**FRONTIER PARK (FP)**  
1933 N. Kennicott Dr.  
Arlington Heights, IL 60004

**PATRIOT PARK (PA)**  
Palatine and N.Dale Ave.  
Arlington Heights, IL 60004

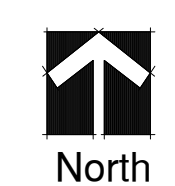
**MELAS PARK (MP)**  
1500 W. Central Rd.  
Mount Prospect, IL 60056

**HERITAGE PARK (HP)**  
506 W. Victoria Ln.  
Arlington Heights, IL 60005

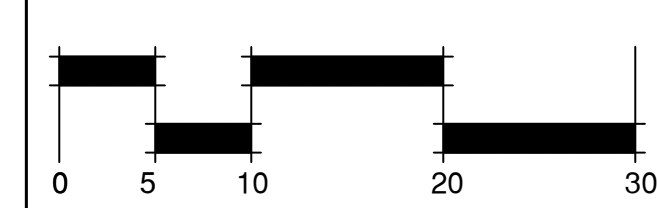


Project  
**2024 ASPHALT - VARIOUS PARKS**

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



Scale: 1" = 10'



**ISSUED FOR BID**  
**March 26, 2024**

Board of Commissioners  
Maryfran H. Leno-President  
Timothy Gelinis-Vice President  
Brian Owen-Commissioner  
Robert Nesvacil-Commissioner  
John Supplitt-Commissioner

Executive Director  
Carrie A. Fullerton, CPRE

Director of Parks and Planning  
John Kramer



Sheet Title  
**COVER SHEET**

Date: March 26, 2024

**C-1**

GENERAL NOTES:

- A. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED TO BE INCLUSIVE. THIS INFORMATION REPRESENTS ONLY THE OPINION OF THE OWNER AND THE OWNER AS TO THE LOCATION AND ELEVATION OF THESE UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDERS. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF SUCH UTILITIES AND EXERCISE CARE DURING OPERATIONS SO AS NOT TO DAMAGE THEM. EACH CONTRACTOR AND SUBCONTRACTOR SHALL OBTAIN FROM RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION AND ELEVATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM. PRIOR TO EXCAVATING, CALL JOINT UTILITIES LOCATION INFORMATION FOR EXCAVATORS (J.U.L.I.E.) AT 1-800-892-0123.
- B. THE CONTRACTOR MUST FURNISH, INSTALL, AND MAINTAIN CONSTRUCTION FENCE AT WORK AREAS AND/OR AROUND EXISTING TREES TO REMAIN AS SHOWN. THIS FENCE MAY BE TAKEN DOWN PERIODICALLY TO AID IN CERTAIN CONSTRUCTION TASKS, HOWEVER MUST BE RE-ERECTED AT THE END OF EACH WORKING DAY. ALSO, THIS FENCE MAY BE RE-USED AND RELOCATED TO ACCOMMODATE PHASING.
- C. EARTHWORK AND PAVING SPECIFICATIONS: THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION: LATEST EDITION", AND ALL ADDENDA THERETO, SHALL GOVERN THE EARTHWORK AND PAVING WORK UNDER THIS CONTRACT, EXCEPT AS MODIFIED BY THESE SPECIFICATIONS.
- D. UNDERGROUND SPECIFICATIONS: THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS: LATEST EDITION", SHALL GOVERN THE UNDERGROUND WORK UNDER THIS CONTRACT, EXCEPT AS MODIFIED BY THESE SPECIFICATIONS.
- E. NO PLAN SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION". PRIOR TO COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THE WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE OWNER'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES WITH WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO OWNER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE OWNER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTIONS ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE OWNER SHALL BE FINAL AND CONCLUSIVE.
- F. COMPLIANCE WITH LOCAL ORDINANCES: ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY'S ORDINANCES AND STANDARDS.
- G. GUARANTEE: ALL WORK PERFORMED BY THE CONTRACTOR AND SUBCONTRACTOR UNDER THIS CONTRACT SHALL BE GUARANTEED TO THE LOCAL AUTHORITY AND OWNER BY EACH CONTRACTOR AND SUBCONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS AFTER THE FINAL ACCEPTANCE OF THE WORK AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE.
- H. ALL PROPOSED ELEVATIONS SHOWN ON THE PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS OTHERWISE SPECIFIED.
- I. CONTRACTOR SHALL VIDEO TAPE WORK AREAS AND THE EXISTING CONDITION OF EACH PARK AND ANY PARKING LOT, MULTI USE TRAIL, DRIVEWAY, ETC. WHICH WILL BE USED FOR ACCESS PRIOR TO CONSTRUCTION FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS.
- J. ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES FOR ALL TYPES OF TRAFFIC ALONG ADJACENT ROADS AND WALKS. AT NO TIME SHALL ACCESS BE DENIED TO ANY ADJACENT BUSINESSES OR RESIDENCES.
- K. THE OWNER SHALL NOT HAVE CONTROL OVER OR CHARGE AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION, MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT FOR CONSTRUCTION. THE OWNER SHALL NOT HAVE CONTROL OVER OR CHARGE THE CONTRACTORS, SUBCONTRACTORS, OR THEIR AGENTS. COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL RULES IS AND SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- L. TIME IS OF THE ESSENCE RELATIVE TO THE CONSTRUCTION TIME LINE. CONTRACTORS MUST START WORK IMMEDIATELY UPON NOTICE TO PROCEED.
- M. ALL WORK SHALL COMPLY WITH THE CURRENT REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT FOR PHYSICALLY HANDICAPPED PEOPLE.
- N. WHEN APPLICABLE, TEMPORARY PARTITIONS AND CONSTRUCTION BARRIERS SHALL BE ERECTED TO PROTECT THE PUBLIC AND TO PROVIDE SECURITY.
- O. EACH CONTRACTOR SHALL DO ALL NECESSARY CUTTING, FITTING, AND PATCHING OF HIS OWN WORK. HE SHALL ALSO DO ALL REMOVING AND ALTERING OF THE WORK AS REQUIRED TO MAKE THE SATISFACTORY CONNECTION AND INSTALLATION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION AND FINISHING WORK; RESTORE TO MATCH ADJOINING CONSTRUCTION AND FINISHES.

- P. ALL WORK SHALL BE ACCOMPLISHED IN A FIRST-CLASS MANNER, COMPLETE AND READY FOR THE USE INTENDED. CONTRACTORS SHALL BE RESPONSIBLE FOR FAULTY MATERIALS AND WORKMANSHIP AND SHALL REMEDY ANY DEFECTS THERETO AND SHALL PAY FOR ANY DAMAGES TO OTHER WORK RESULTING THEREFROM, WHICH SHALL APPEAR FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE WORK.

DEMOLITION PLAN  
GENERAL NOTES:

- A. THE CONTRACTOR SHALL PROVIDE SAFETY FENCE AND/OR OTHER BARRIERS NECESSARY TO KEEP PARK USERS FROM ENTERING WORK AREAS. THESE WORK AREAS SHALL REMAIN BUTTONEED UP AT ALL TIMES - TOTALLY SECURED TO PREVENT ACCESS BY RESIDENTS AFTER CONSTRUCTION HOURS. ORANGE PLASTIC CONSTRUCTION FENCE SHALL ALSO BE USED AROUND EXISTING TREES WHICH ARE NEAR CONSTRUCTION AREAS. FENCE DIAMETER AT TREES SHALL EQUAL THE DIAMETER OF THE CROWN SHOWN ON THE PLAN OR DRIPLINE. USE STANDARD ENGINEERS SCALE TO DETERMINE APPROPRIATE LENGTHS/ DIAMETER OF FENCE. SEE PLAN FOR APPROXIMATE LOCATION OF SAFETY FENCE.
- B. ALL UTILITIES SHALL BE LOCATED BY J.U.L.I.E. AT THE DIRECTION OF THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
- C. ALL ITEMS DESIGNATED FOR REMOVAL SHALL BE DISPOSED OF OFF SITE IN A LEGAL AND ACCEPTABLE MANNER AND AS OTHERWISE SPECIFIED IN THE DRAWINGS OR BY THE OWNER.
- D. TAKE SPECIAL CARE TO CHECK THE SITE PERIODICALLY AS NOT TO LEAVE OPEN EXCAVATIONS OR PROTRUDING OBJECTS WHICH CAN BE HARMFUL TO PARK USERS AND WORKERS.
- E. ALL AREAS SHOWN TO BE REGRADED SHALL HAVE ALL TURF AND TOPSOIL REMOVED (EXCEPT WITHIN DRIPLINE OF TREES). SEE PLAN.
- F. ADJACENT ROADS AND WALKS TO REMAIN OPEN TO VEHICULAR AND PEDESTRIAN TRAFFIC AND FREE OF DEBRIS AT ALL TIMES - USE NECESSARY TRAFFIC CONTROL DEVICES WHEN REQUIRED.
- G. ANY AND ALL MUD, DIRT, DEBRIS AND CONSTRUCTION DEBRIS TO BE REMOVED FROM STREETS BY THE END OF EACH CONSTRUCTION DAY. MUD AND DEBRIS LEFT ON THE STREETS NOT CLEANED AND POWER-WASHED BY THE CONTRACTOR MAY BE UNDERTAKEN BY THE OWNER AND BACK-CHARGED TO THE CONTRACTOR.
- H. CONTRACTOR'S OPTION: IF APPROVED FOR REUSE BY GEOTECHNICAL ENGINEER CONCRETE SCHEDULED FOR REMOVAL MAY BE GROUND ON SITE AND RE-USED AS BASE MATERIAL UNDER NEW CONCRETE AND/OR ASPHALT SURFACES.

TREE PRESERVATION NOTES:

THE ARLINGTON HEIGHTS PARK DISTRICT VALUES TREES AND THEIR IMMEASURABLE VALUE IN ALL OF OUR PARKS. ALL TREES MUST BE PRESERVED UNLESS AUTHORIZED BY THE DIRECTOR OF PARKS AND PLANNING. DURING CONSTRUCTION TAKE ALL REASONABLE STEPS NECESSARY TO PREVENT THE DESTRUCTION OR DAMAGING OF TREES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:

- A. NO CONSTRUCTION ACTIVITY, MOVEMENT AND/OR PLACEMENT OF EQUIPMENT OR MATERIAL OR SPOILS STORAGE SHALL BE PERMITTED OUTSIDE THE CONSTRUCTION LIMITS OR WITHIN THE TREE PRESERVATION AREA. NO EXCESS SOIL, ADDITIONAL FILL, LIQUIDS OR CONSTRUCTION DEBRIS SHALL BE PLACED WITHIN THE ROOT ZONE OF ANY TREE THAT IS REQUIRED TO REMAIN.
- B. CRUSHED LIMESTONE, HYDROCARBONS AND OTHER MATERIALS DETRIMENTAL TO TREES SHALL NOT BE DUMPED WITHIN THE ROOT ZONE OF ANY TREE, NOR AT ANY HIGHER LOCATION WHERE DRAINAGE TOWARD THE TREE COULD CONCEIVABLY AFFECT THE HEALTH OF THE TREE.
- C. APPROPRIATE PROTECTIVE FENCING SHALL BE TEMPORARILY INSTALLED FOR PROTECTION OF REMAINING TREES. APPROPRIATE PROTECTIVE FENCING SHALL INCLUDE WOODEN SNOW FENCE, AND/OR VINYL CONSTRUCTION FENCE.
- D. ALL REQUIRED PROTECTIVE FENCING OR OTHER PHYSICAL BARRIER MUST BE IN PLACE AND APPROVED BY THE PARK DISTRICT PRIOR TO BEGINNING CONSTRUCTION. THE FENCING MUST REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION PERIOD TO PREVENT THE IMPINGEMENT OF CONSTRUCTION VEHICLES, MATERIALS, SPOILS AND EQUIPMENT INTO OR UPON THE TREE PRESERVATION AREA. ALL FENCING MUST BE SECURED TO METAL POSTS DRIVEN INTO THE GROUND AND SPACED NO FURTHER THAN 10 FEET APART.
- E. NO ATTACHMENTS, FENCES OR WIRES, OTHER THAN THOSE APPROVED FOR BRACING, GUYING OR WRAPPING, SHALL BE ATTACHED TO TREES DURING THE CONSTRUCTION PERIOD.
- F. UNLESS OTHERWISE INDICATED ON THE PLANS, NO SOIL IS TO BE REMOVED FROM WITHIN THE ROOT ZONE OF ANY TREE THAT IS TO REMAIN.
- G. IF, IN THE OPINION OF THE PARK DISTRICT, THE NECESSARY PRECAUTIONS AS SPECIFIED WERE NOT UNDERTAKEN BEFORE CONSTRUCTION COMMENCED, OR ARE NOT MAINTAINED AT ANY TIME DURING CONSTRUCTION, A STOP WORK ORDER SHALL BE ISSUED UNTIL SUCH TIME AS THE CONTRACTOR COMPLIES WITH THE PRECAUTIONS HEREIN.

CONSTRUCTION PLAN  
GENERAL NOTES:

- A. THE WORK INVOLVED IN CONNECTING PROPOSED STORM SEWERS TO EXISTING MANHOLES OR CONSTRUCTING PROPOSED MANHOLES OVER EXISTING STORM SEWERS OR RECONNECTING EXISTING STORM LATERALS TO PROPOSED STORM SEWERS SHALL BE PAID FOR AT THE CONTRACT BID PRICE FOR THE ITEM BEING CONSTRUCTED.
- B. SAWING OF REMOVAL ITEMS AS NOTED OR IMPLIED ON THE PLANS SPECIFIED AS REQUIRED BY THE OWNER SHALL BE CONSIDERED TO BE INCIDENTAL TO THE COST OF THE ITEM BEING REMOVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- C. EXISTING TOPOGRAPHY AND SPOT ELEVATIONS FOR THE ENTIRE PROJECT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE OWNER. PROPOSED GROUND ELEVATIONS MAY BE REVISED TO MEET FIELD CONDITIONS.
- D. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.
- E. DEBRIS DEPOSITED IN THE FLOW OF ANY STRUCTURES SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CLOSE OF CONSTRUCTION OPERATIONS, ALL STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.
- F. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. WORK OUTSIDE THESE LIMITS WILL NOT BE PAID FOR UNLESS AUTHORIZED BY THE OWNER.
- G. CONSTRUCTION STAKING FOR THE PROJECT SHALL BE PERFORMED BY THE CONTRACTOR AND CONSIDERED INCIDENTAL TO THE CONTRACT.
- H. ALL FRAMES AND GRATES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- I. ANY DAMAGE TO ADJACENT PROPERTY OR STRUCTURES SHALL BE REPAIRED OR REPLACES AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE PARK DISTRICT AND ADJACENT PROPERTY OWNER(S).
- J. NO CONCRETE SHALL BE INSTALLED UNTIL THE FORMS HAVE BEEN OBSERVED ON-SITE FOR LINE, GRADE AND SUBGRADE CONDITIONS BY THE OWNER. IT IS SUGGESTED THAT THIS MEETING BE ARRANGED FOR, AT LEAST 48 HOURS IN ADVANCE OF THE CONCRETE PLACEMENT.
- K. ELEVATIONS SHOWN ARE USGS DATUM UNLESS OTHERWISE NOTED.
- L. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, WALKS OR TURF UNLESS OTHERWISE INDICATED.
- M. A SMOOTH TRANSITION SHALL BE EFFECTED BETWEEN NEW AND EXISTING CONSTRUCTION, AND TEMPORARY CONSTRUCTION.
- N. ELEVATIONS OF SEWER LINES AND THEIR LOCATIONS WILL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS. PROPOSED DRAINAGE ELEVATIONS AND GRADES MAY BE REVISED TO MEET FIELD CONDITIONS.
- O. EXISTING SITE UTILITIES, SUCH AS VALVES, SANITARY AND STORM CASTINGS, AND HYDRANTS, ETC. SHALL BE ADJUSTED TO THE ELEVATION OF THE FINISHED GROUND SURFACE. THE CONTRACTOR SHALL EXERCISE CARE IN GRADING AND ANY DAMAGE SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- P. THE OWNER SHALL REVIEW ALL HARD SURFACE PAVEMENT ELEVATIONS PRIOR TO CONSTRUCTION. GIVE OWNER 24 HOURS NOTICE. ALL HARD SURFACE PAVEMENTS SHALL DRAIN COMPLETELY AT 1.0% MIN. SLOPE (UNLESS OTHERWISE SPECIFIED).
- Q. THE CONTRACTOR SHALL EXCAVATE, BACKFILL, COMPACT, GRADE AND SHAPE THE SUBGRADE AS DEPICTED IN THE PLAN. HE SHALL IMPORT ADDITIONAL SUBSOIL AS NECESSARY.
- R. ALL EXCAVATED TOPSOIL SHALL BE REUSED BY THE CONTRACTOR FOR RESPREADING BENEATH BERMS AND LANDFORMS OR OTHER LANDSCAPE AREAS ONLY IF GEOTECHNICAL DATA SHOWS IT IS CLEAN. IF CONSTRUCTION YIELDS ADDITIONAL TOPSOIL, IT SHALL BE STOCKPILED ON SITE IN AN AREA DESIGNATED BY THE OWNER.
- S. NO SOIL IS PLANNED TO LEAVE PROJECT SITE. ANY SOIL LEAVING THE SITE SHALL BE TESTED PER CODD SPECIFICATIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- T. WHEN EXCAVATING, BACKFILLING, OR GRADING BENEATH TREE DRIPLINE, REVIEW ALL PROPOSED WORK WITH THE OWNER.
- U. ELEVATIONS OF TOP OF FOOTINGS IN WOOD CHIP LOOSE FILL AREAS SHALL BE THE SAME AS THE BOTTOM OF MULCH/TOP OF SUBGRADE. ROUND THE TOP EDGES OFF ALL FOOTINGS FOR SAFETY.
- V. FINISHED GRADE ELEVATIONS IN TURF AREAS SHALL BE APPROXIMATELY 1" ABOVE ADJACENT PAVEMENTS, CURBS, ETC. TO ALLOW FOR SETTLEMENT.
- W. ALL STORM SEWER LATERALS WILL BE CONSTRUCTED AT A MINIMUM SLOPE OF 0.45 PERCENT UNLESS OTHERWISE NOTED ON PLANS.

DIMENSION PLAN  
GENERAL NOTES:

- A. ALL DIMENSIONS WHICH ARE GIVEN BY THE GRID COORDINATE SYSTEM INDICATORS SHALL BE VERIFIED PRIOR TO COMMENCING WORK. ALL FEATURES, CURBS, PAVEMENTS, AND WALLS SHALL BE LAID OUT AND PAINTED OR OTHERWISE MARKED IN THE FIELD BY THE CONTRACTOR AND VERIFIED BY THE OWNER PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- B. ALL CONCRETE CURVES SHALL BE SMOOTH AND CONTINUOUS AS SHOWN IN THE DRAWINGS. SHARP BENDS OR KINKS IN THE PAVEMENT SHALL BE REMOVED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- C. ALL CONCRETE SCORING SHALL FOLLOW A 5' MODULE OR AS SHOWN IN THE DRAWINGS. ALL EXPANSION JOINTS IN FLATWORK OR CURBS SHALL BE LOCATED AT 30' INTERVALS OR AS SHOWN. NO SAWCUT JOINTS WILL BE PERMITTED, TROWEL ONLY. SEE SPECIFICATIONS.
- D. UNLESS OTHERWISE NOTED, ALL CURB AND PAVEMENT ANGLES SHALL BE CONSTRUCTED AT 90 DEGREE OR 45 DEGREE ANGLES.
- E. ALL PROPOSED RADII DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

GRADING AND ADA NOTES

- A. INSTALL AND MAINTAIN SILT FENCE AT THE PERIMETER OF THE CONSTRUCTION ZONE. INSTALL HAY BALE EROSION CONTROL AROUND ALL PROPOSED AND EXISTING STRUCTURES RECEIVING DRAINAGE FROM DISTURBED AREAS. SILT FABRIC UNDER THE LID IS NOT AN ACCEPTABLE ALTERNATIVE IN LANDSCAPED AREAS.
- B. THE GRADING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL BE DONE IN A MANNER WHICH WILL ALLOW FOR POSITIVE DRAINAGE, AND NOT CAUSE PONDING OF STORMWATER ON THE SURFACE OF PROPOSED IMPROVEMENTS.
- C. MAXIMUM SIDEWALK CROSS SLOPES SHALL BE 2.0%. MAXIMUM LONGITUDINAL SIDEWALK SLOPE SHALL BE 4.9%. CONTACT OWNER IF CONFLICTS EXIST.

WATER/UTILITY NOTES:

- A. FIELD VERIFY INVERT & LOCATIONS OF EXISTING UTILITY MAINS PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR STRUCTURES. ALL ELEVATIONS AND INVERTS REFERENCING SAID UTILITY SHALL BE FIELD VERIFIED PRIOR TO INSTALLATION OF ANY NEW STRUCTURES OR UTILITIES, AND ADJUSTMENTS SHALL BE MADE AS NECESSARY. CONTACT OWNER PRIOR TO INSTALLATION IF DISCREPANCY EXISTS WITH THESE DRAWINGS.
- B. COORDINATE THE RELOCATION OF ANY UTILITIES ENCOUNTERED AND REPLACEMENT OF ANY UTILITIES DAMAGED WITHIN INFLUENCE ZONE OF NEW CONSTRUCTION. CONTACT OWNER IF THE EXISTING UTILITIES VARY APPRECIABLY FROM THE PLANS.
- C. ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 5.5' FROM TOP OF FINISHED GROUND ELEVATION TO TOP OF MAIN.
- D. PROTECTION OF WATER SUPPLIES SHALL BE AS DESCRIBED IN SECTION 370.350 OF THE ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS OR SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

LANDSCAPE PLAN  
GENERAL NOTES:

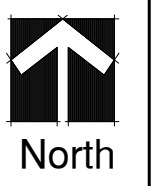
- A. ALL PLANTINGS PER PLANS TO BE SUPPLIED AND INSTALLED BY CONTRACTOR. SEED/SOD TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
- B. NOTE THAT PLANT LIST QUANTITIES ARE FOR THE INSTALLER'S CONVENIENCE ONLY. INSTALLER SHALL VERIFY ALL QUANTITIES.
- C. SEED ALL LAWN AREAS DISTURBED DURING CONSTRUCTION.
- D. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- E. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE OWNER BEFORE, DURING AND AFTER INSTALLATION.
- F. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.



Project

**2024 ASPHALT -  
VARIOUS PARKS**

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



Scale: 1" = 10'

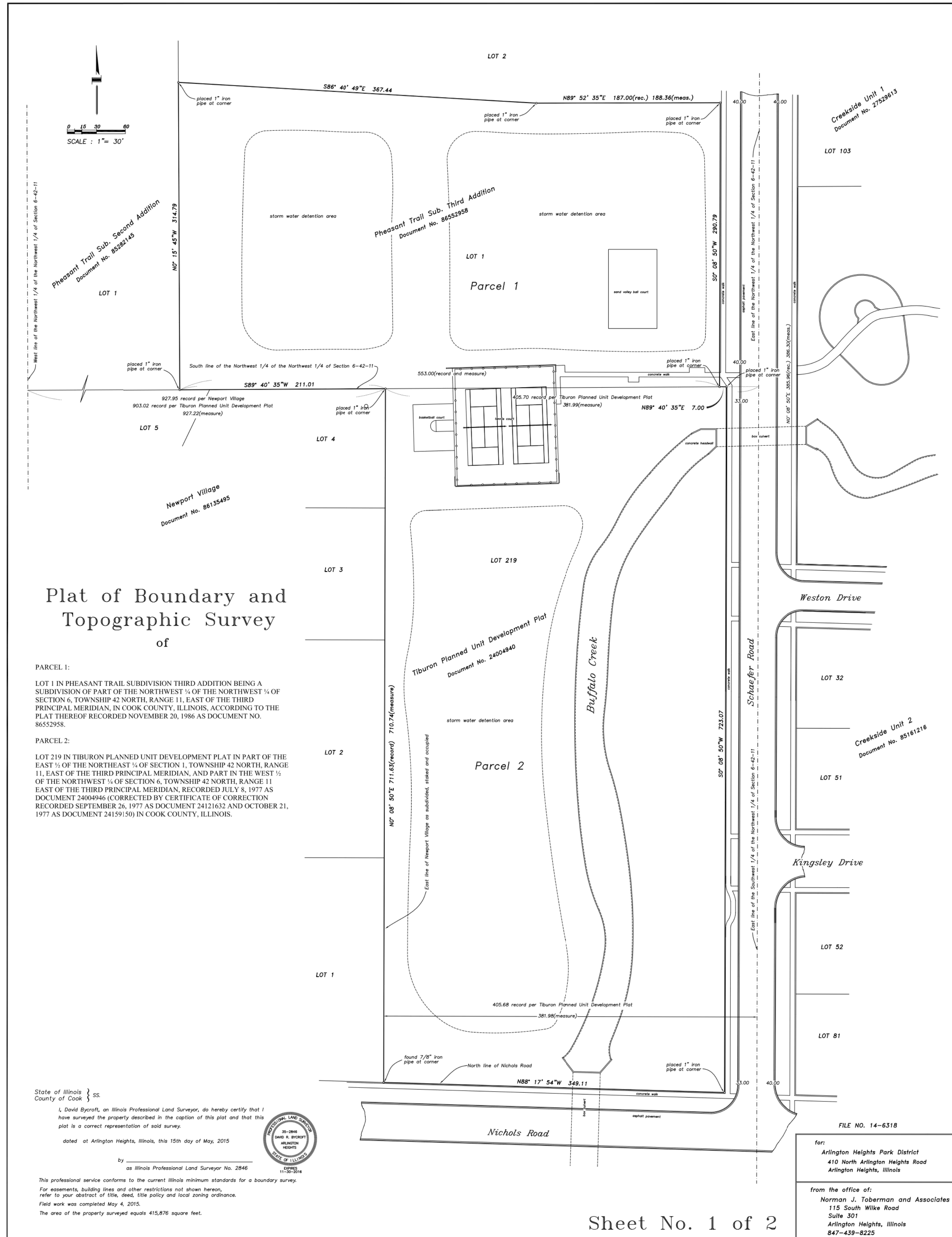


Sheet Title

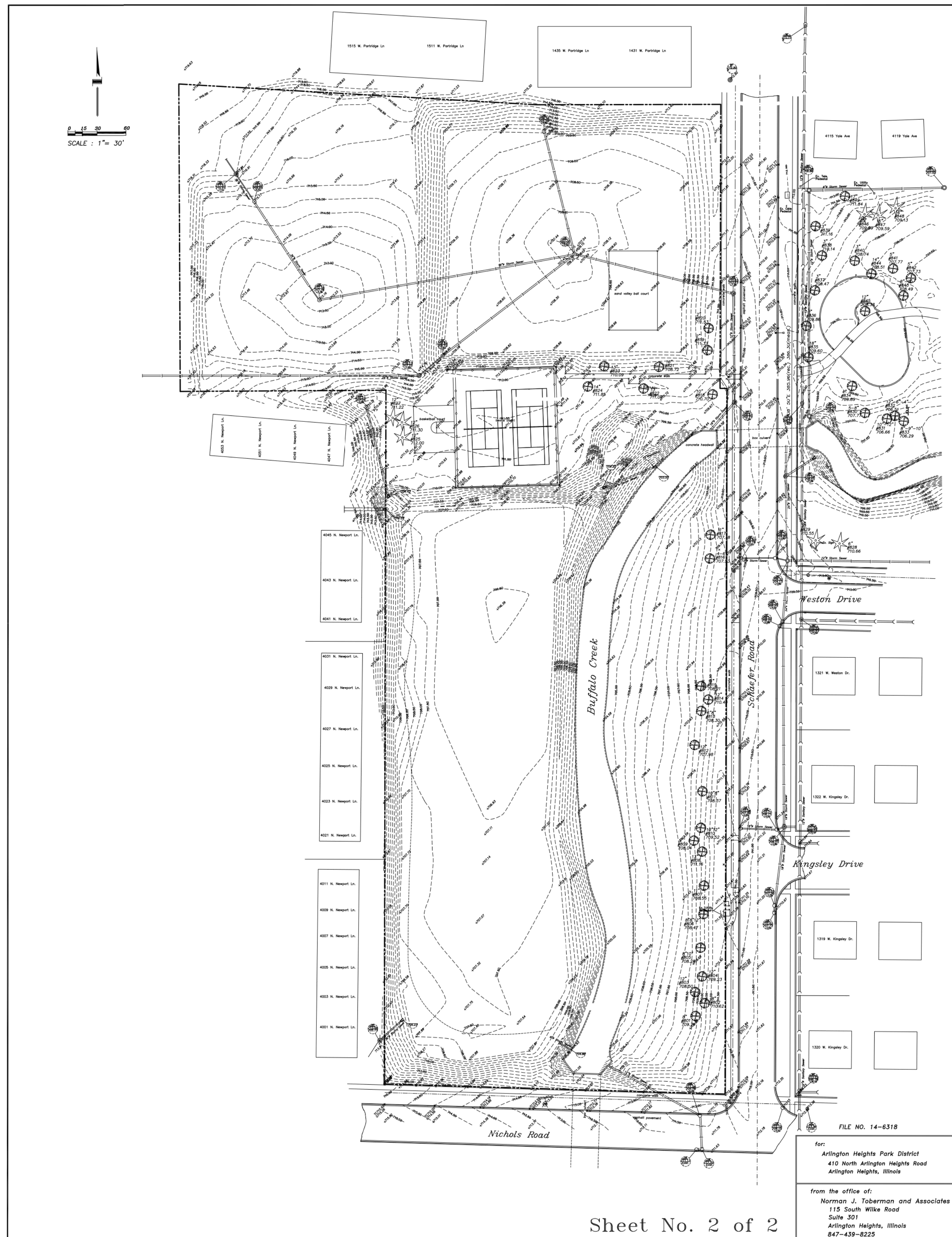
**GENERAL  
NOTES**

Date: March 26, 2024

**G-1**



Sheet No. 1 of 2



Sheet No. 2 of 2



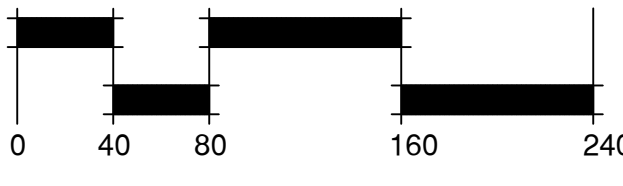
Project  
**2024 ASPHALT - VARIOUS PARKS**

**ASPHALT SPORT COURT TEAR OUT & INSTALL**

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



Scale: 1" = 80'



Sheet Title  
**EX. SITE - CREEKSIDE PARK**

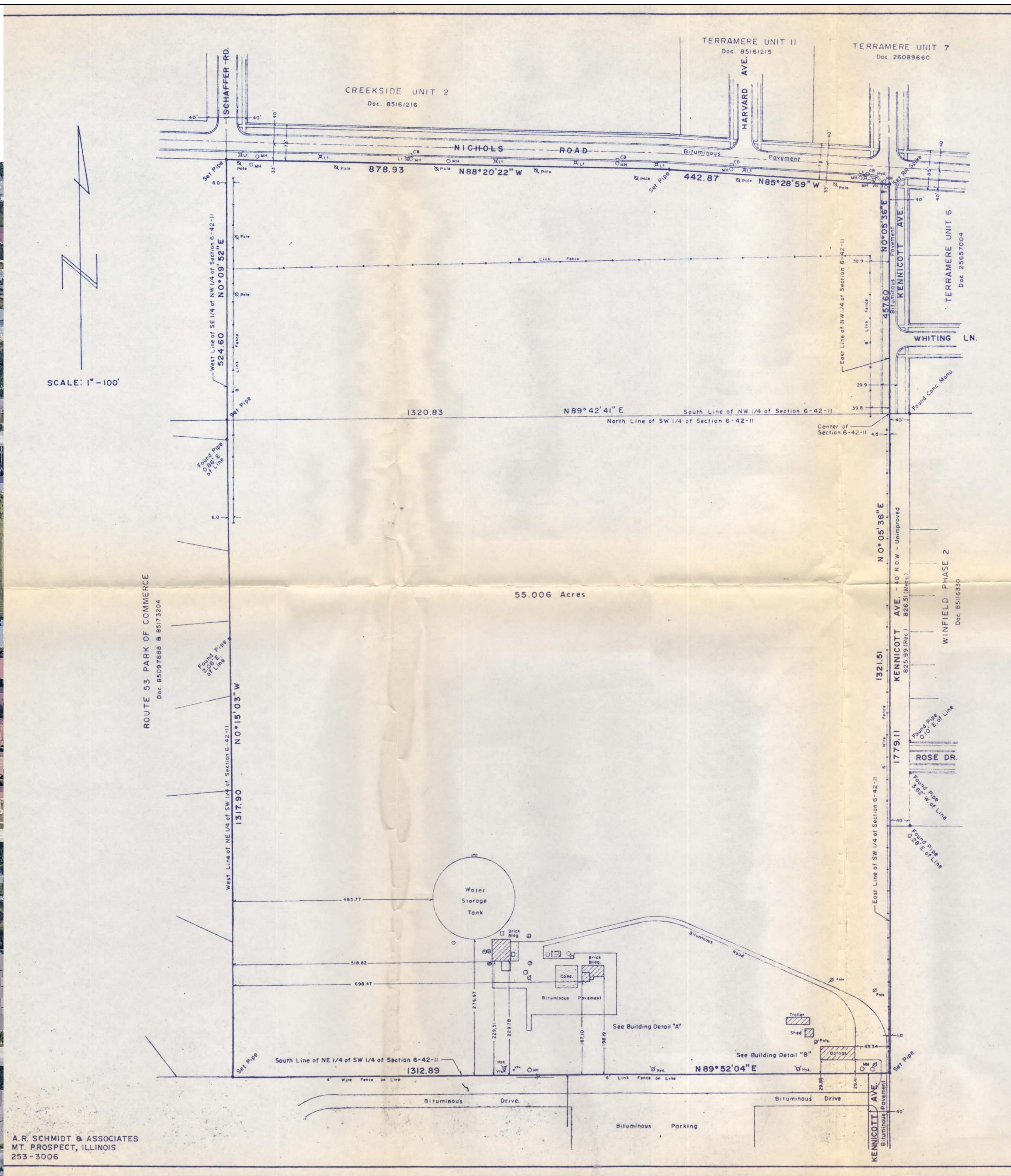
Date: March 26, 2024

**EX-1**

**PLAT OF SURVEY AND TOPO BY  
 NORMAN J. TOBERMAN AND ASSOCIATES, DATED MAY 5, 2015**



GOOGLE EARTH AERIAL  
DATED MAR 14, 2024



PLAT OF SURVEY BY  
A.R. SCHMIDT & ASSOCIATES, DATED MAY 7, 1987



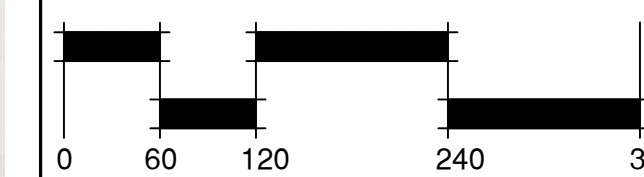
Project  
2024 ASPHALT -  
VARIOUS PARKS

ASPHALT  
PARKING AND  
PATH PATCHES

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



Scale: 1" = 120'



Sheet Title  
EX. SITE -  
NICKOL KNOLL  
GOLF CLUB

Date: March 26, 2024

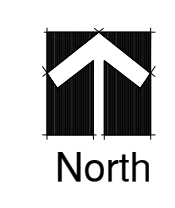
**EX-2**



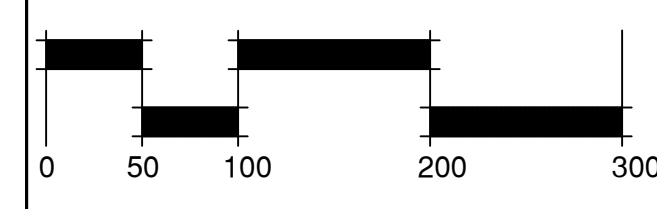
Project  
**2024 ASPHALT - VARIOUS PARKS**

**ASPHALT PATCHES AND DRAINAGE**

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



Scale: 1" = 100'



Sheet Title  
**EX. SITE - MELAS PARK**

Date: March 26, 2024

**EX-3**

GOOGLE EARTH AERIAL  
 DATED MAR 13, 2024



# Plat of Survey of

**PARCEL 1:**

LOT 102 IN IVY HILL SUBDIVISION UNIT 12-PHASE 1, BEING A SUBDIVISION IN THE EAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AS DOCUMENT NO. 23586610, IN COOK COUNTY, ILLINOIS.

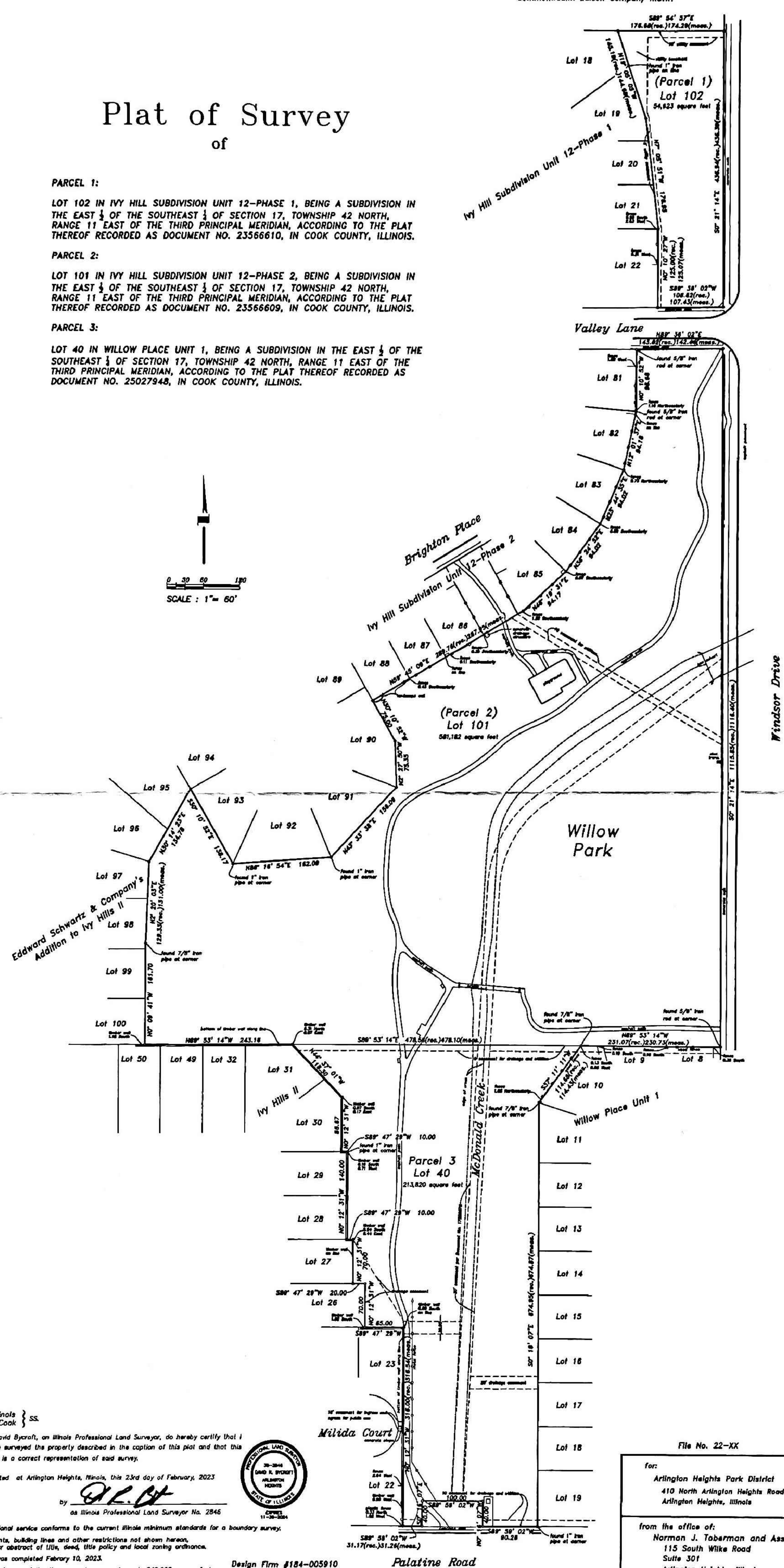
**PARCEL 2:**

LOT 101 IN IVY HILL SUBDIVISION UNIT 12-PHASE 2, BEING A SUBDIVISION IN THE EAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AS DOCUMENT NO. 23586609, IN COOK COUNTY, ILLINOIS.

**PARCEL 3:**

LOT 40 IN WILLOW PLACE UNIT 1, BEING A SUBDIVISION IN THE EAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AS DOCUMENT NO. 25027948, IN COOK COUNTY, ILLINOIS.

Commonwealth Edison Company R.O.W.



State of Illinois } ss.  
County of Cook }  
I, David Byers, an Illinois Professional Land Surveyor, do hereby certify that I have surveyed the property described in the caption of this plat and that this plat is a correct representation of said survey.  
dated at Arlington Heights, Illinois, this 23rd day of February, 2023.  
by *[Signature]*  
an Illinois Professional Land Surveyor No. 2846  
This professional service conforms to the current Illinois minimum standards for a boundary survey.  
For assessments, building lines and other restrictions not shown hereon, refer to your abstract of title, deed, title policy and local zoning ordinance.  
Field work was completed February 10, 2023.  
The combined area of the three parcels surveyed equals 84,182 square feet.  
Design Firm #184-005910  
Expires April 30, 2023

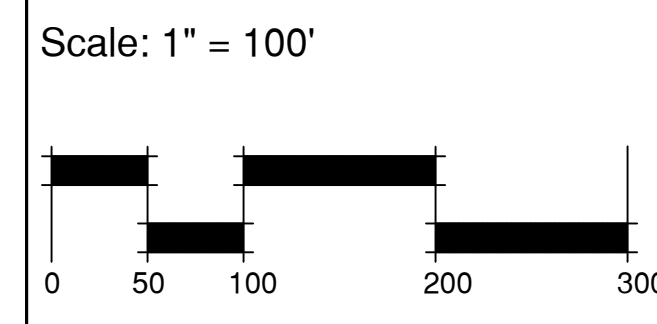
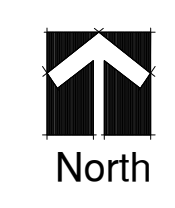
File No. 22-XX  
for:  
Arlington Heights Park District  
410 North Arlington Heights Road  
Arlington Heights, Illinois  
from the office of:  
Norman J. Toberman and Associates  
115 South White Road  
Suite 301  
Arlington Heights, Illinois  
847-439-8223



Project  
**2024 ASPHALT - VARIOUS PARKS**

**ASPHALT PATH TEAR OUT & INSTALL**

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



Sheet Title  
**EX. SITE - WILLOW PARK**

Date: March 26, 2024

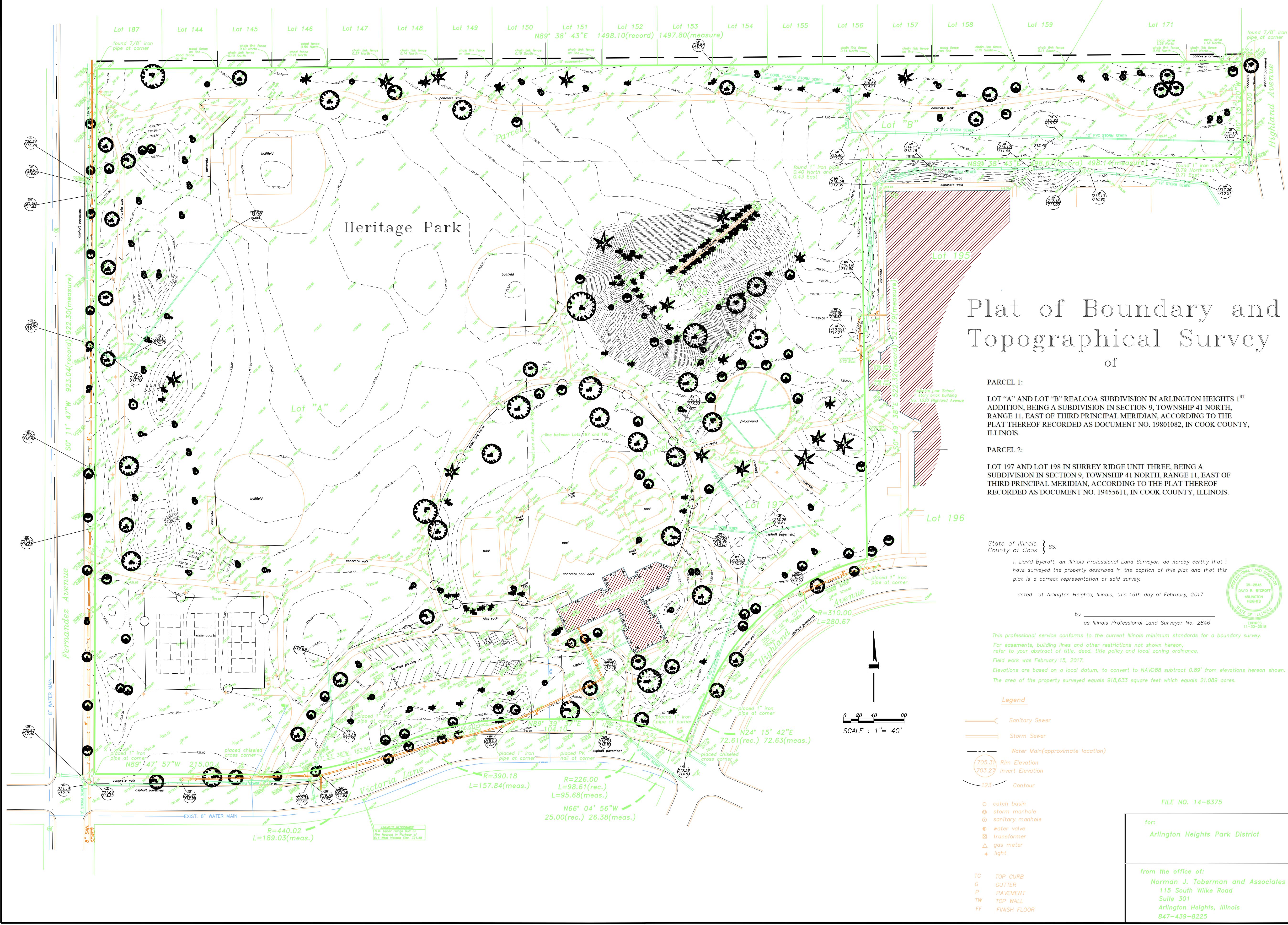
**PLAT OF SURVEY BY  
NORMAN J. TOBERMAN AND  
ASSOCIATES, DATED FEB 23, 2023**

**EX-4**

Project  
**2024 ASPHALT - VARIOUS PARKS**

**ALTERNATE 1- ASPHALT SPORT COURT TEAR OUT AND REPLACE**

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



# Plat of Boundary and Topographical Survey

of

**PARCEL 1:**  
 LOT "A" AND LOT "B" REALCOA SUBDIVISION IN ARLINGTON HEIGHTS 1<sup>ST</sup> ADDITION, BEING A SUBDIVISION IN SECTION 9, TOWNSHIP 41 NORTH, RANGE 11, EAST OF THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AS DOCUMENT NO. 19801082, IN COOK COUNTY, ILLINOIS.

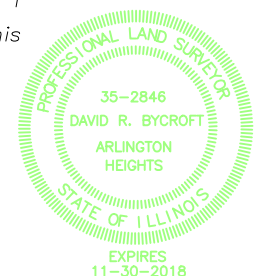
**PARCEL 2:**  
 LOT 197 AND LOT 198 IN SURREY RIDGE UNIT THREE, BEING A SUBDIVISION IN SECTION 9, TOWNSHIP 41 NORTH, RANGE 11, EAST OF THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AS DOCUMENT NO. 19455611, IN COOK COUNTY, ILLINOIS.

State of Illinois } ss.  
 County of Cook }

I, David Bycroft, an Illinois Professional Land Surveyor, do hereby certify that I have surveyed the property described in the caption of this plat and that this plat is a correct representation of said survey.

dated at Arlington Heights, Illinois, this 16th day of February, 2017

by \_\_\_\_\_  
 as Illinois Professional Land Surveyor No. 2846



This professional service conforms to the current Illinois minimum standards for a boundary survey. For easements, building lines and other restrictions not shown hereon, refer to your abstract of title, deed, title policy and local zoning ordinance. Field work was February 15, 2017. Elevations are based on a local datum, to convert to NAVD88 subtract 0.89' from elevations hereon shown. The area of the property surveyed equals 918,633 square feet which equals 21.089 acres.

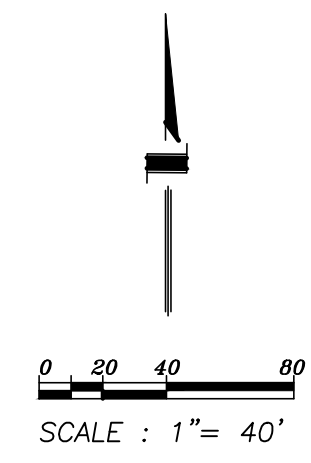
- Legend**
- Sanitary Sewer
  - Storm Sewer
  - Water Main (approximate location)
  - Rim Elevation
  - Invert Elevation
  - Contour
  - catch basin
  - storm manhole
  - sanitary manhole
  - water valve
  - transformer
  - gas meter
  - light

- TC TOP CURB
- G GUTTER
- P PAVEMENT
- TW TOP WALL
- FF FINISH FLOOR

FILE NO. 14-6375

for:  
 Arlington Heights Park District

from the office of:  
 Norman J. Toberman and Associates  
 115 South Wilke Road  
 Suite 301  
 Arlington Heights, Illinois  
 847-439-8225

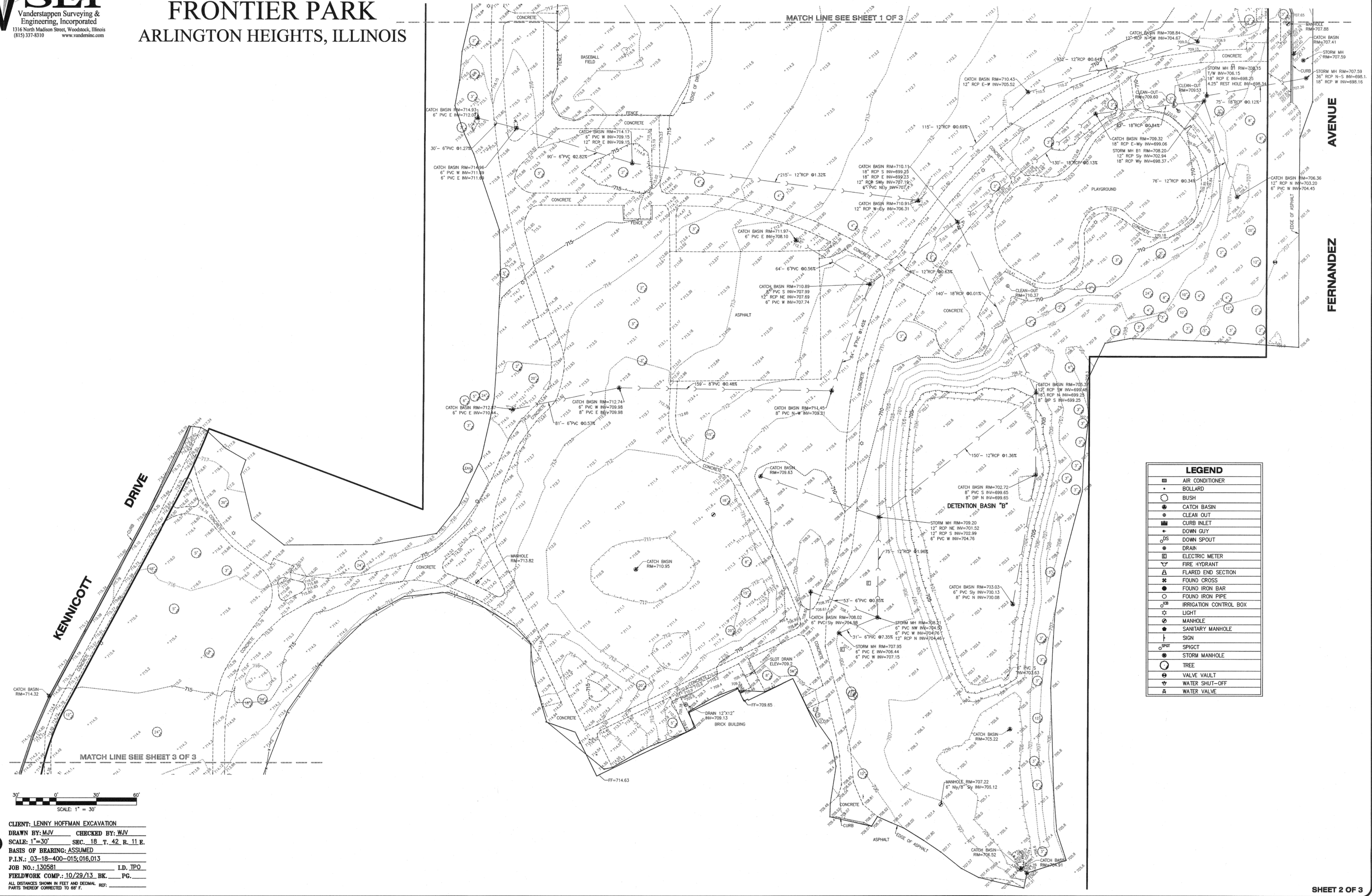


Sheet Title  
**EX. SITE - HERITAGE PARK**

Date: March 26, 2024



TOPOGRAPHIC SURVEY OF  
**FRONTIER PARK**  
ARLINGTON HEIGHTS, ILLINOIS



**LEGEND**

- AIR CONDITIONER
- BOLLARD
- BUSH
- CATCH BASIN
- CLEAN OUT
- CURB INLET
- DOWN GUY
- DOWN SPOUT
- DRAIN
- ⊠ ELECTRIC METER
- ▽ FIRE HYDRANT
- ▲ FLARED END SECTION
- ★ FOUND CROSS
- FOUND IRON BAR
- FOUND IRON PIPE
- ⊠ IRRIGATION CONTROL BOX
- LIGHT
- MANHOLE
- SANITARY MANHOLE
- ⊠ SIGN
- SPOUCT
- STORM MANHOLE
- TREE
- VALVE VAULT
- WATER SHUT-OFF
- ▲ WATER VALVE

SCALE: 1" = 30'

CLIENT: LEWIS HOFFMAN EXCAVATION  
DRAWN BY: MJV CHECKED BY: WUV  
SCALE: 1"=30' SEC. 18 T. 42 R. 11 E.  
BASIS OF BEARING: ASSUMED  
P.I.N.: 03-18-400-015,016,013  
JOB NO.: 130581 I.D. TPO  
FIELDWORK COMP.: 10/29/13 BK. PG.  
ALL DISTANCES SHOWN IN FEET AND DECIMAL FEET.  
PARTS THEREOF CORRECTED TO 6P.

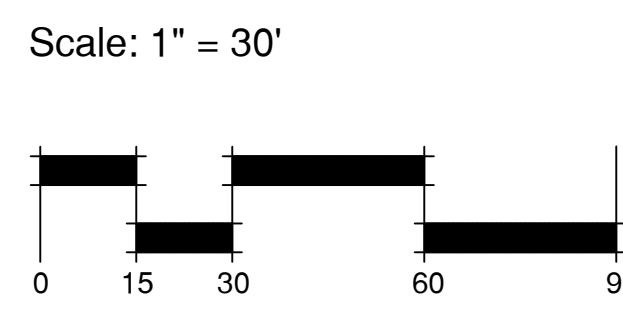
SHEET 2 OF 3

Project  
**2024 ASPHALT - VARIOUS PARKS**

**ALTERNATE 2- ASPHALT COURT TEAR OUT AND REPLACE**

Issues & Revisions

#	Date	Description
1	4-06-2024	IFB PLAN SET



Sheet Title  
**EX. SITE - FRONTIER PARK**

Date: March 26, 2024

**EX-6**

PLAT OF SURVEY BY  
**VANDERSTAPPEN SURVEYING & ENGINEERING, DATED NOV 2, 2014**



GOOGLE EARTH AERIAL, DATED MARCH 6, 2024

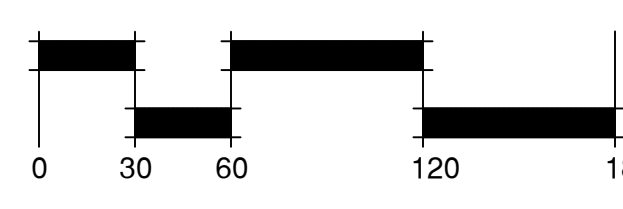
Project  
2024 ASPHALT -  
VARIOUS PARKS

ALTERNATE 3-  
ASPHALT  
PATCHES &  
ALTERNATE 4-  
SPORT COURT  
REPLACEMENT

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



Scale: 1" = 60'



Sheet Title  
**EX. SITE -  
PATRIOT PARK**

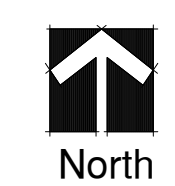
Date: March 26, 2024

**EX-7**

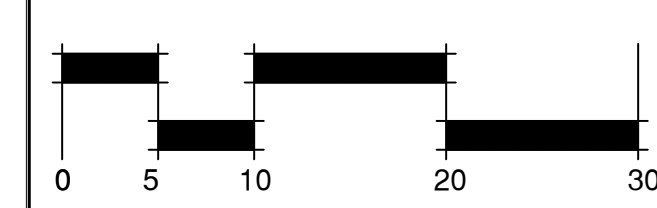
Project  
**2024 ASPHALT - VARIOUS PARKS**

**ASPHALT SPORT COURT TEAR OUT & INSTALL**

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET <sup>1</sup>



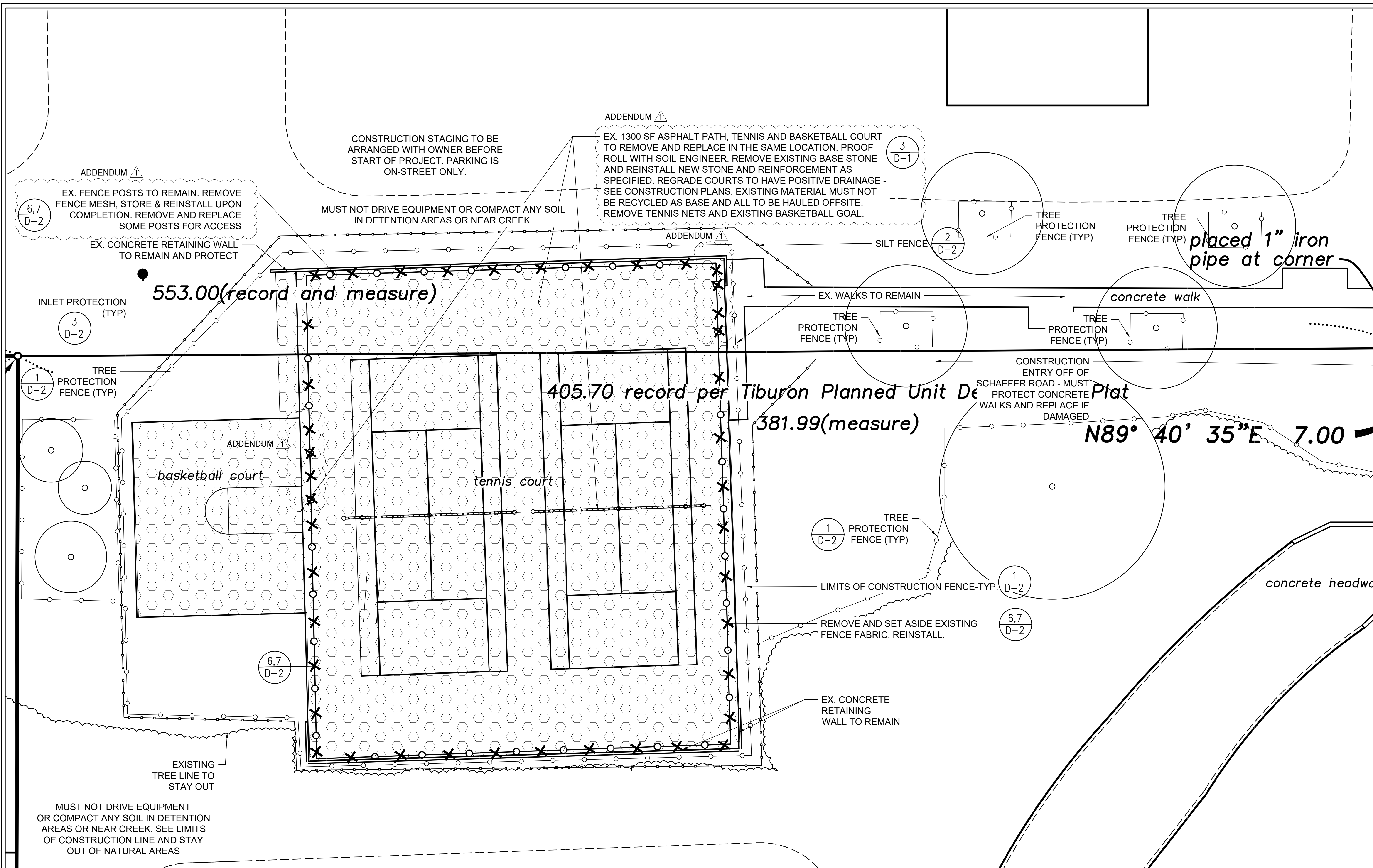
Scale: 1" = 10'



Sheet Title  
**DEMOLITION & SITE PREPARATION-CREEKSIDE**

Date: March 26, 2024

**DS-1**



**DEMOLITION & SITE PREPARATION NOTES**

- EXISTING SITE INFORMATION BASED ON SURVEY PROVIDED BY AHPD ARCHIVE FILES.
- PRIOR TO DEMOLITION, NOTIFY PROJECT MANAGER TO INSPECT TREE PROTECTION MEASURES. CONTACT PARK DISTRICT.
- ALL UTILITIES SHALL BE FIELD LOCATED A MINIMUM OF 2 BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH THIS DRAWING SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. CALL J.U.L.I.E. @ 811. CONTACT VILLAGE MUNICIPALITY TWO DAYS PRIOR TO CONSTRUCTION TO MARK UTILITY.
- PROTECT ALL EXISTING UTILITY STRUCTURES UNLESS SHOWN TO BE ABANDONED OR REMOVED. TEMPORARY CONTAINMENT FENCE AS SHOWN ON THE PLANS IS APPROXIMATE. THIS FENCE MAY BE ORANGE "SNOW FENCE" WITH METAL OR WOOD STAKES AS IS TYPICAL FOR THIS APPLICATION.
- ALL STRUCTURES, UTILITIES, PAVEMENT AND DESIGNATED TREES SHALL BE PROTECTED DURING CONSTRUCTION. ANY DAMAGE CAUSED BY THE CONTRACTOR TO ITEMS AND STRUCTURES TO REMAIN SHALL BE REPAIRED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.
- ALL MATERIAL TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR. DISPOSE IN ACCORDANCE WITH ALL STATE, LOCAL AND FEDERAL GUIDELINES, UNLESS OTHERWISE NOTED.
- NOTIFY THE APPROPRIATE VILLAGE MUNICIPALITY AGENCIES AT LEAST TWO (2) BUSINESS DAYS PRIOR TO THE START OF ANY WORK AFFECTING VILLAGE PROPERTY.
- COORDINATE THE ADJUSTMENT OF UTILITY STRUCTURES WITH THE APPROPRIATE VILLAGE AGENCIES OR PRIVATE UTILITY. NO WORK TO PUBLIC OR PRIVATE UTILITIES SHALL BE DONE WITHOUT WRITTEN CONSENT BY UTILITY OWNER. ALL UTILITY STRUCTURES TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE UNLESS OTHERWISE NOTED.
- REVIEW CONSTRUCTION STAGING AND ENTRANCE WITH PARK DISTRICT PROJECT MANAGER PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL KEEP THE PREMISES ON WHICH THE WORK IS BEING DONE CLEAR OF RUBBISH AND DEBRIS AT ALL TIMES. ALL MATERIALS AND DEBRIS REMOVED FROM THE SITE SHALL BE DISPOSED OF LEGALLY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR STREET CLEANING TO KEEP ADJACENT STREETS AND ALLEYS CLEAR OF DIRT AND DEBRIS.
- CONTRACTOR SHALL REMOVE EVERYTHING NECESSARY TO COMPLETE CONSTRUCTION. LABELS ARE FOR CONVENIENCE ONLY AND THE CONTRACTOR SHALL VERIFY REMOVALS PRIOR TO SUBMITTING THE BID FOR WORK ON THIS PROJECT.
- IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL CONSTRUCTION BARRIERS AND FENCING TO PROTECT THE PROPOSED WORK, FOR PUBLIC SAFETY AND TO PROVIDE SECURITY.
- EXISTING DEBRIS PILES NOT ACCOUNTED FOR ON THE SURVEY SHALL BE CLEARED AND DISPOSED OF BY THE CONTRACTOR.
- SILT FENCE AND EROSION CONTROL MEASURES, IF REQUIRED BY LOCAL CODE, ARE THE RESPONSIBILITY OF THE CONTRACTOR.

**DEMOLITION & SITE PREP LEGEND**

- ASPHALT REMOVAL
- COURT FENCE FABRIC TO REMOVE AND REINSTALL- PLUS SELECT FENCE POSTS
- CONSTRUCTION AND TREE PROTECTION FENCE
- SILT PROTECTION FENCE
- # PAGE DETAIL REFERENCE



BASE BID - SEVEN NEW ASPHALT PATCH LOCATIONS AT 400 SF EACH - TYP. CUT OUT EXISTING ASPHALT, FULL TEAR OUT AND PITCH NEW PATCHES FOR POSITIVE DRAINAGE INTO INLETS. ADD ADDITIONAL STONE AS REQUIRED. EXISTING ASPHALT MUST NOT BE RECYCLED AS BASE AND ALL TO BE HAULED OFFSITE.

CONSTRUCTION STAGING, ACCESS POINTS AND PARKING TO BE ARRANGED WITH OWNER BEFORE START OF PROJECT. OWNER WILL PROVIDE CONTACT INFO FOR THE GOLF COURSE SUPERINTENDENT TO THE WINNING BIDDER.

ALL EX. WALKS TO REMAIN - ANY DAMAGE TO BE REPAIRED BY THE CONTRACTOR

MANHOLE TO LOWER FOR POSITIVE DRAINAGE

ALTERNATE 5 - NEW ASPHALT PATCH LOCATION AT 4700 SF. CUT OUT EXISTING ASPHALT, FULL TEAR OUT, ADD STONE AND PITCH NEW PATCHES FOR POSITIVE DRAINAGE INTO INLETS. EXISTING ASPHALT MUST NOT BE RECYCLED AS BASE AND ALL TO BE HAULED OFFSITE.

MANHOLE TO LOWER FOR POSITIVE DRAINAGE

NOTE: TREE PROTECTION NOT NEEDED IF EQUIPMENT AND TRUCKS STAY ON PATHS AND WITHIN PARKING AREAS.

BASE BID - ALLOWANCE OF 30,000 SF NEW ASPHALT PATCHES AND 2500 LF OF CRACK FILL BASED ON WORST LOCATIONS WITHIN PARKING AREA SHOWN- TYP. CUT OUT EXISTING ASPHALT, FULL TEAR OUT, ADD STONE AND PITCH NEW PATCHES FOR POSITIVE DRAINAGE INTO INLETS. EXISTING ASPHALT MUST NOT BE RECYCLED AS BASE AND ALL TO BE HAULED OFFSITE.

**DEMOLITION & SITE PREPARATION NOTES**

- EXISTING SITE INFORMATION BASED ON SURVEY PROVIDED BY AHPD ARCHIVE FILES.
- PRIOR TO DEMOLITION, NOTIFY PROJECT MANAGER TO INSPECT TREE PROTECTION MEASURES. CONTACT PARK DISTRICT.
- ALL UTILITIES SHALL BE FIELD LOCATED A MINIMUM OF 2 BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH THIS DRAWING SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. CALL J.U.L.I.E. @ 811. CONTACT VILLAGE MUNICIPALITY TWO DAYS PRIOR TO CONSTRUCTION TO MARK UTILITY.
- PROTECT ALL EXISTING UTILITY STRUCTURES UNLESS SHOWN TO BE ABANDONED OR REMOVED. TEMPORARY CONTAINMENT FENCE AS SHOWN ON THE PLANS IS APPROXIMATE. THIS FENCE MAY BE ORANGE 'SNOW FENCE' WITH METAL OR WOOD STAKES AS IS TYPICAL FOR THIS APPLICATION.
- ALL STRUCTURES, UTILITIES, PAVEMENT AND DESIGNATED TREES SHALL BE PROTECTED DURING CONSTRUCTION. ANY DAMAGE CAUSED BY THE CONTRACTOR TO ITEMS AND STRUCTURES TO REMAIN SHALL BE REPAIRED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.
- ALL MATERIAL TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR. DISPOSE IN ACCORDANCE WITH ALL STATE, LOCAL AND FEDERAL GUIDELINES, UNLESS OTHERWISE NOTED.
- NOTIFY THE APPROPRIATE VILLAGE MUNICIPALITY AGENCIES AT LEAST TWO (2) BUSINESS DAYS PRIOR TO THE START OF ANY WORK AFFECTING VILLAGE PROPERTY.
- COORDINATE THE ADJUSTMENT OF UTILITY STRUCTURES WITH THE APPROPRIATE VILLAGE AGENCIES OR PRIVATE UTILITY. NO WORK TO PUBLIC OR PRIVATE UTILITIES SHALL BE DONE WITHOUT WRITTEN CONSENT BY UTILITY OWNER. ALL UTILITY STRUCTURES TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE UNLESS OTHERWISE NOTED.
- REVIEW CONSTRUCTION STAGING AND ENTRANCE WITH PARK DISTRICT PROJECT MANAGER PRIOR TO THE START OF CONSTRUCTION.
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- CONTRACTOR SHALL BE RESPONSIBLE FOR STREET CLEANING TO KEEP ADJACENT STREETS AND ALLEYS CLEAR OF DIRT AND DEBRIS.
- CONTRACTOR SHALL REMOVE EVERYTHING NECESSARY TO COMPLETE CONSTRUCTION. LABELS ARE FOR CONVENIENCE ONLY AND THE CONTRACTOR SHALL VERIFY REMOVALS PRIOR TO SUBMITTING THE BID FOR WORK ON THIS PROJECT.
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- EXISTING DEBRIS PILES NOT ACCOUNTED FOR ON THE SURVEY SHALL BE CLEARED AND DISPOSED OF BY THE CONTRACTOR.
- SILT FENCE AND EROSION CONTROL MEASURES, IF REQUIRED BY LOCAL CODE, ARE THE RESPONSIBILITY OF THE CONTRACTOR.



Project  
**2024 ASPHALT - VARIOUS PARKS**

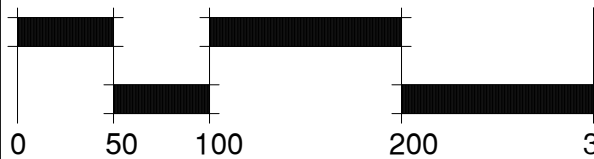
**PATCH ASPHALT WALKS AND PARKING LOT, ALTERNATE 5 - PATCH BY MAINTENANCE SHOP**

**Issues & Revisions**

#	Date	Description
1	4-06-2024	IFB PLAN SET



Scale: 1" = 100'



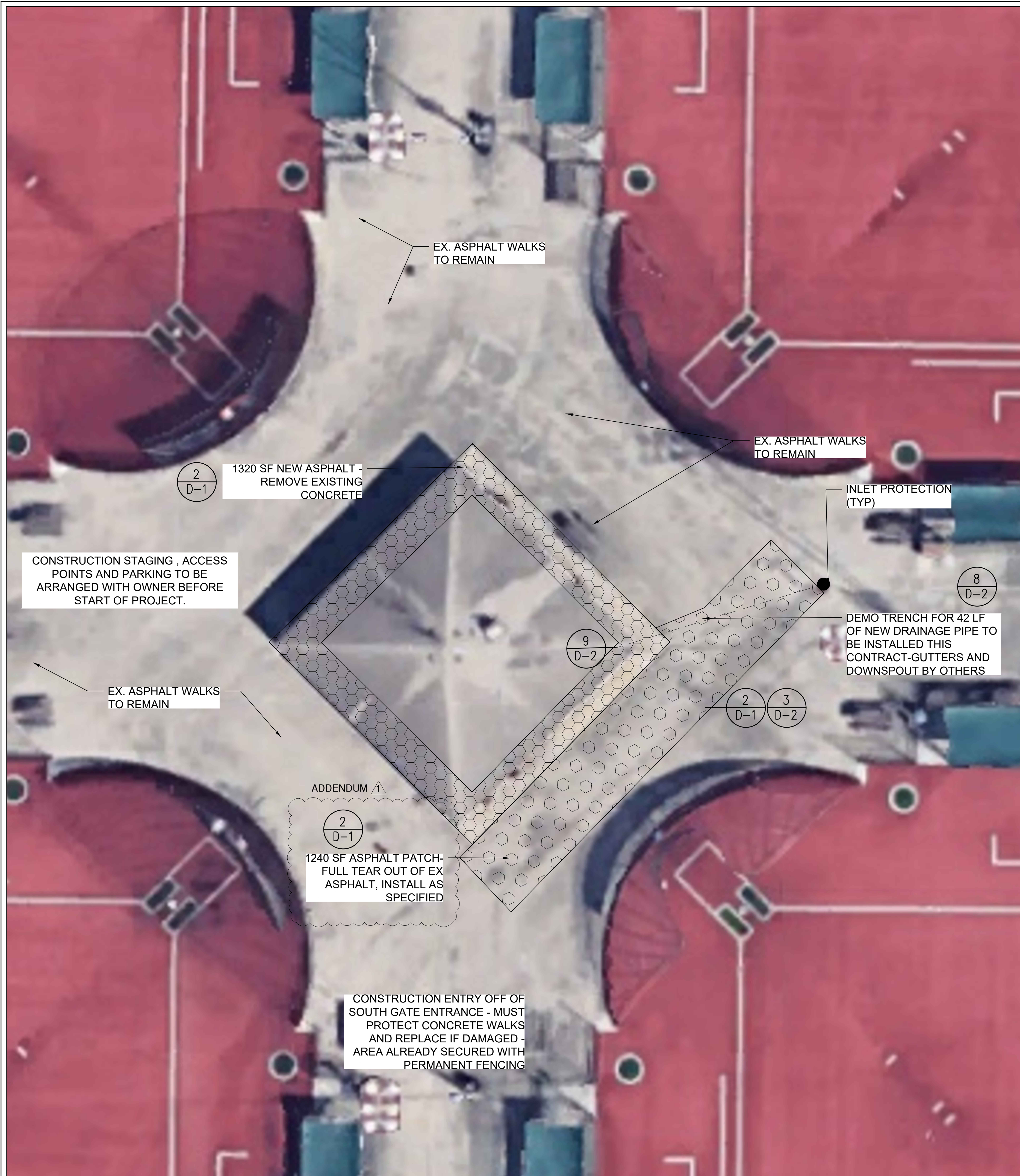
**DEMOLITION & SITE PREP LEGEND**

- ASPHALT REMOVAL AREA
- ASPHALT FOCUS AREA FOR PATCHES
- DETAIL REFERENCE

Sheet Title  
**DEMOLITION & SITE PREPARATION-NICKOL KNOLL**

Date: March 26, 2024

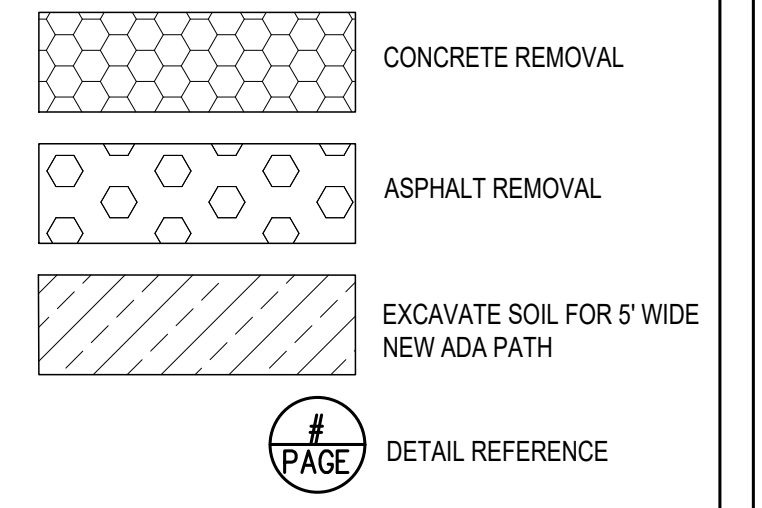
**DS-2**



**DEMOLITION & SITE PREPARATION NOTES**

1. EXISTING SITE INFORMATION BASED ON SURVEY PROVIDED BY AHPD ARCHIVE FILES.
2. PRIOR TO DEMOLITION, NOTIFY PROJECT MANAGER TO INSPECT TREE PROTECTION MEASURES. CONTACT PARK DISTRICT.
3. ALL UTILITIES SHALL BE FIELD LOCATED A MINIMUM OF 2 BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH THIS DRAWING SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. CALL J.U.L.I.E. @ 811. CONTACT VILLAGE MUNICIPALITY TWO DAYS PRIOR TO CONSTRUCTION TO MARK UTILITY.
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**DEMOLITION & SITE PREP LEGEND**



Project  
**2024 ASPHALT - VARIOUS PARKS**

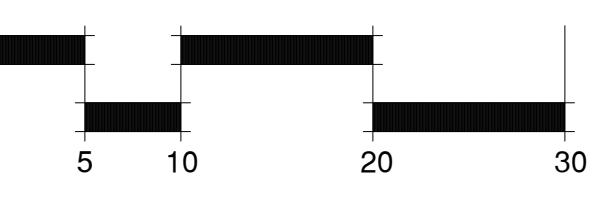
**REMOVE CONCRETE, INSTALL DRAINAGE AND PATCH ASPHALT ALTERNATE 6- ADD NEW ASPHALT PATH**

**Issues & Revisions**

#	Date	Description
1	4-06-2024	IFB PLAN SET



Scale: 1" = 10'



Sheet Title  
**DEMOLITION & SITE PREPARATION-MELAS PARK**

Date: March 26, 2024

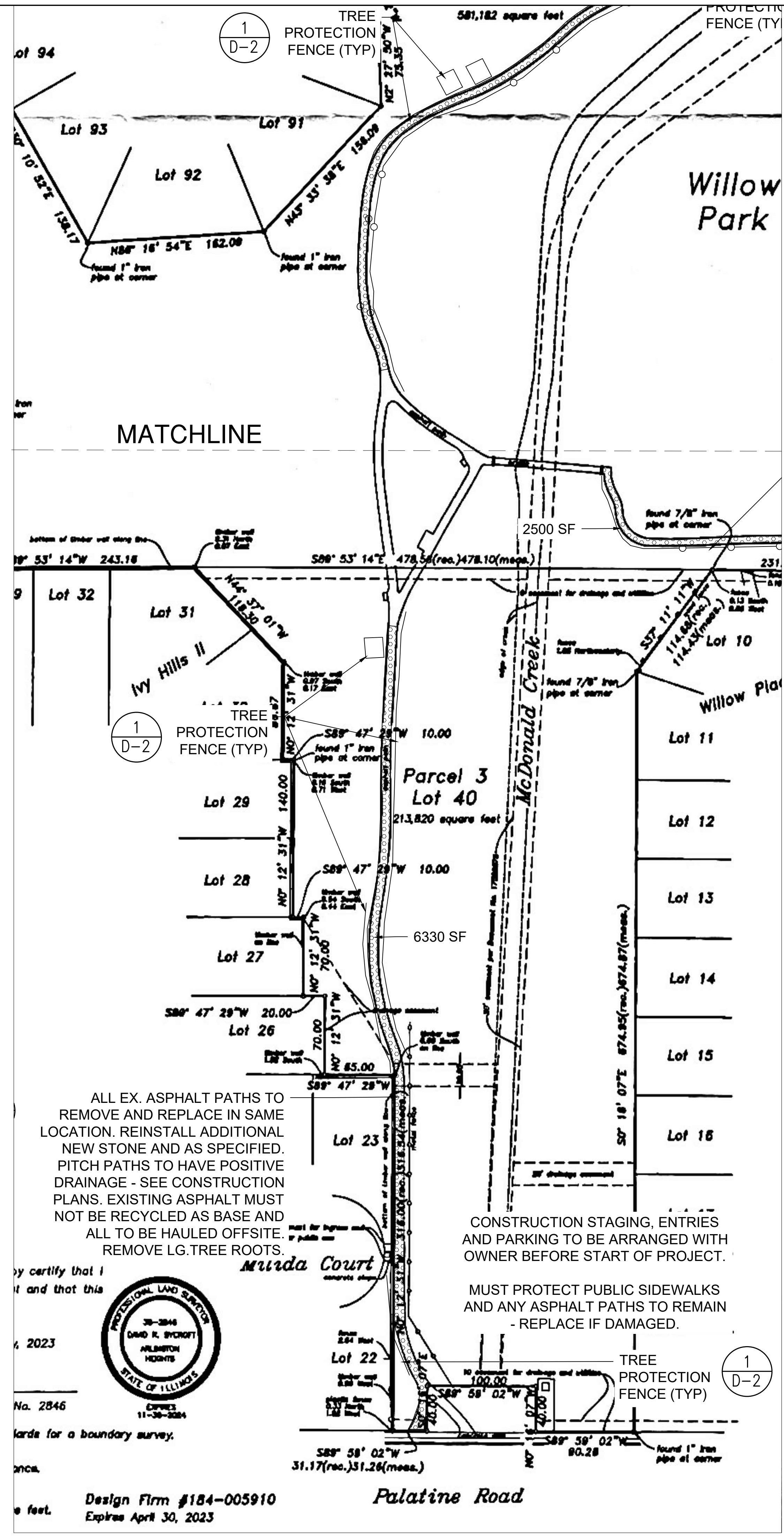
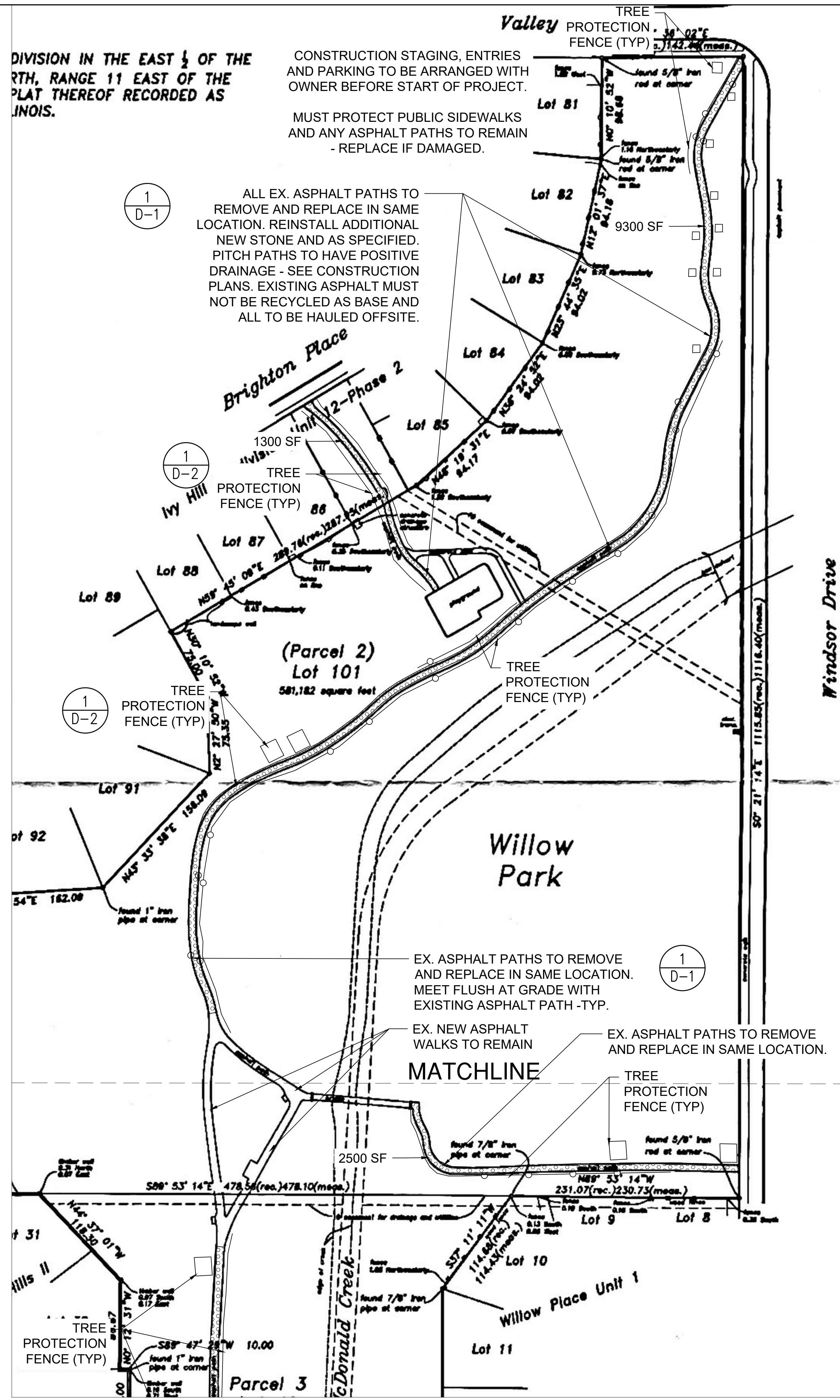
**DS-3**

DIVISION IN THE EAST 1/2 OF THE 1/4 RTH, RANGE 11 EAST OF THE PLAT THEREOF RECORDED AS 11015.

CONSTRUCTION STAGING, ENTRIES AND PARKING TO BE ARRANGED WITH OWNER BEFORE START OF PROJECT.

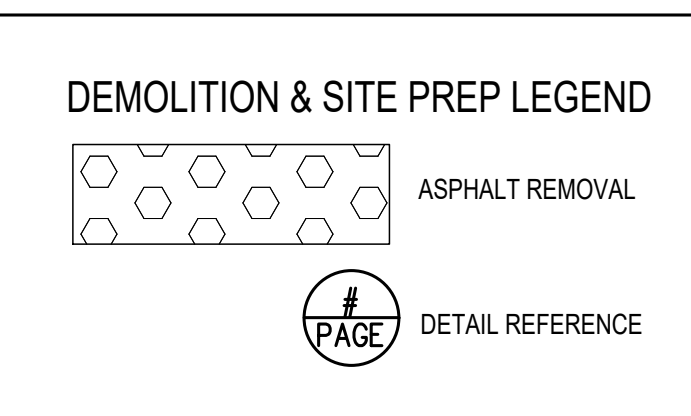
MUST PROTECT PUBLIC SIDEWALKS AND ANY ASPHALT PATHS TO REMAIN - REPLACE IF DAMAGED.

ALL EX. ASPHALT PATHS TO REMOVE AND REPLACE IN SAME LOCATION. REINSTALL ADDITIONAL NEW STONE AND AS SPECIFIED. PITCH PATHS TO HAVE POSITIVE DRAINAGE - SEE CONSTRUCTION PLANS. EXISTING ASPHALT MUST NOT BE RECYCLED AS BASE AND ALL TO BE HAULED OFFSITE.



**DEMOLITION & SITE PREPARATION NOTES**

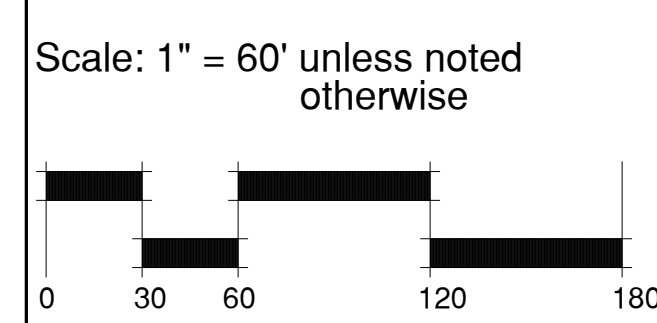
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Project  
**2024 ASPHALT - VARIOUS PARKS**

**REMOVE ASPHALT WALKS AND REINSTALL**

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



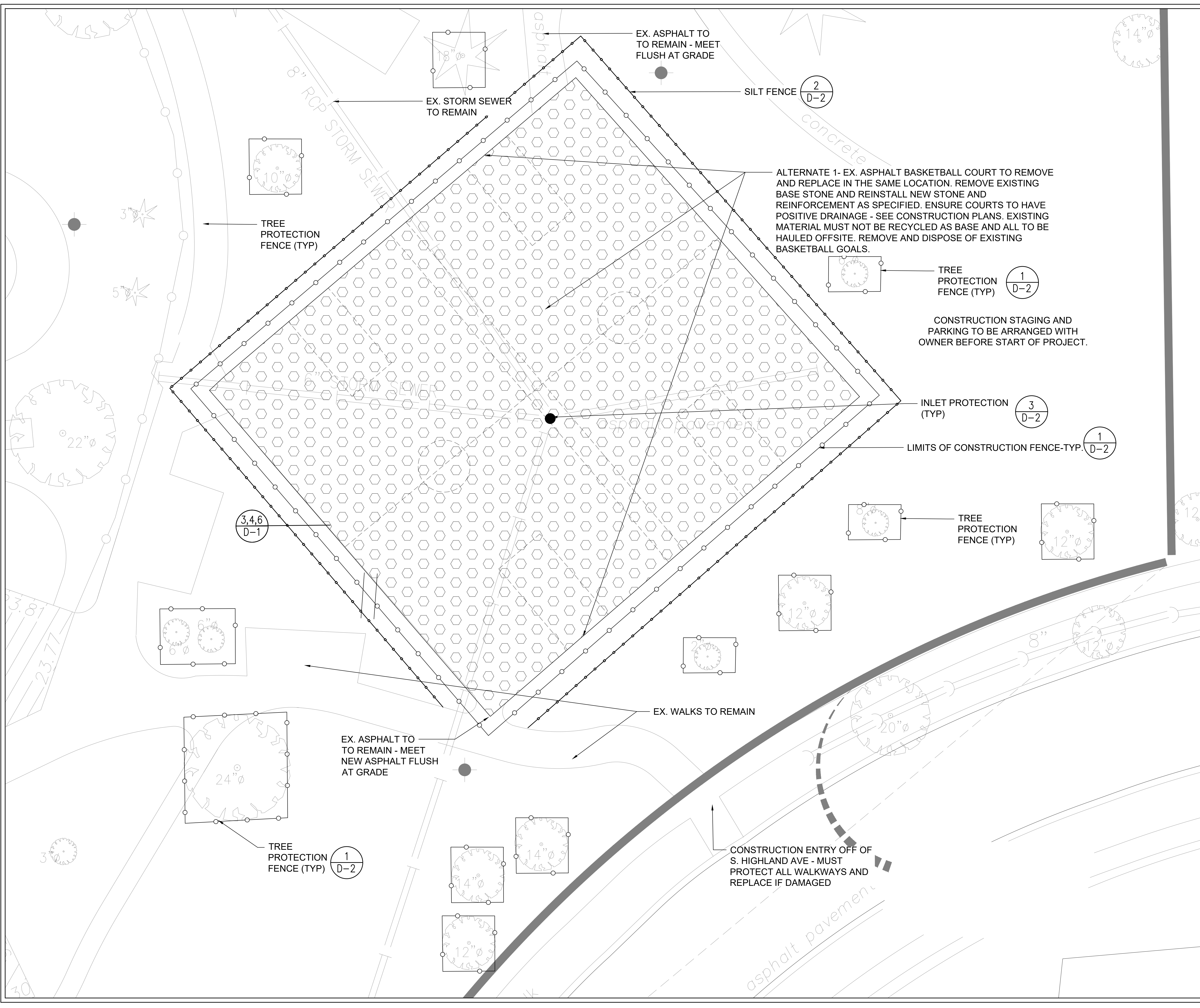
Sheet Title  
**DEMOLITION & SITE PREPARATION - WILLOW PARK**  
Date: March 26, 2024  
**DS-4**

by certify that I  
and that this  
2023  
No. 2846  
yards for a boundary survey.  
nce.  
e feet.  
Design Firm #184-005910  
Expires April 30, 2023



CONSTRUCTION STAGING, ENTRIES AND PARKING TO BE ARRANGED WITH OWNER BEFORE START OF PROJECT.  
MUST PROTECT PUBLIC SIDEWALKS AND ANY ASPHALT PATHS TO REMAIN - REPLACE IF DAMAGED.





**DEMOLITION & SITE PREPARATION NOTES**

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Project  
**2024 ASPHALT - VARIOUS PARKS**

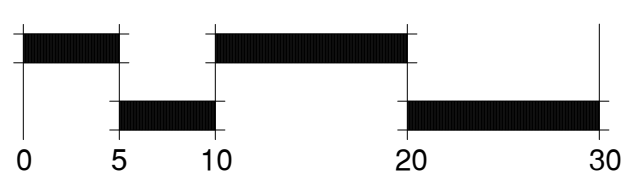
**ALTERNATE 1- REMOVE ASPHALT SPORT COURTS AND REPLACE**

**Issues & Revisions**

#	Date	Description
1	4-06-2024	IFB PLAN SET



Scale: 1" = 10' unless noted otherwise



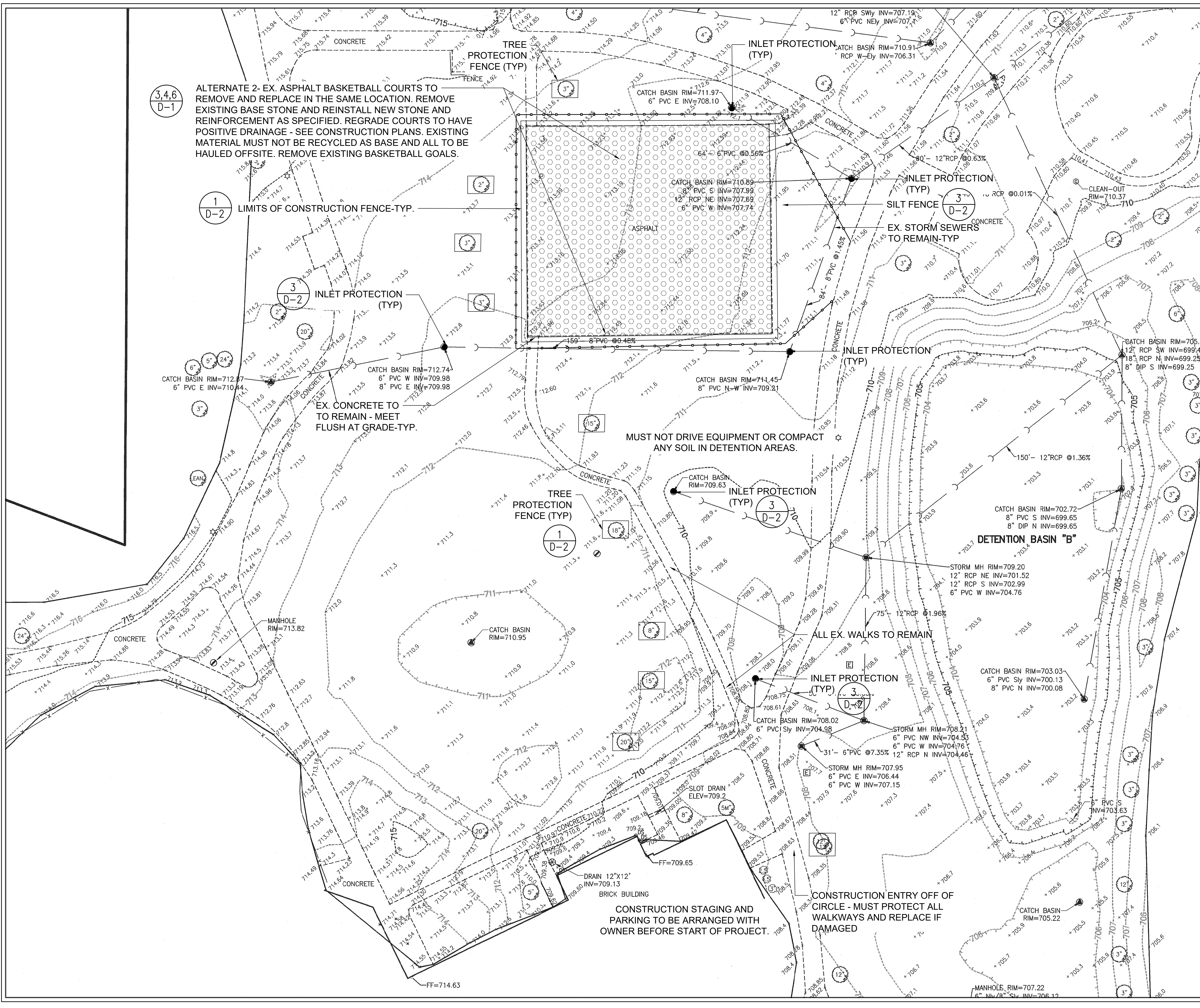
**DEMOLITION & SITE PREP LEGEND**

	ASPHALT REMOVAL
	CONSTRUCTION AND TREE PROTECTION FENCE
	SILT PROTECTION FENCE
	DETAIL REFERENCE

Sheet Title  
**DEMOLITION & SITE PREPARATION- HERITAGE PARK**

Date: March 26, 2024

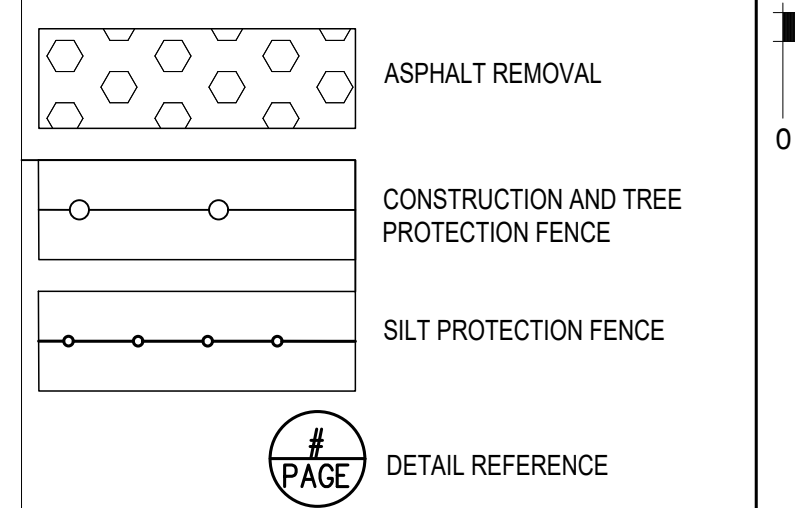
**DS-5**



**DEMOLITION & SITE PREPARATION NOTES**

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**DEMOLITION & SITE PREP LEGEND**

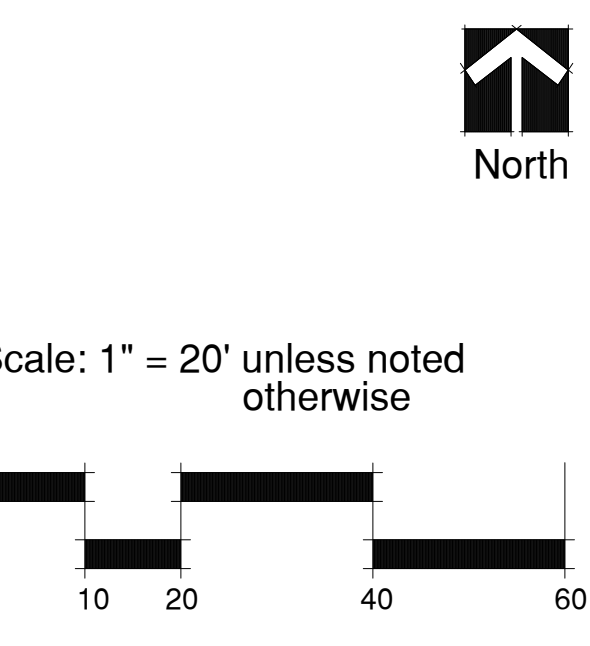


Project  
**2024 ASPHALT - VARIOUS PARKS**

**ALTERNATE 2- REMOVE ASPHALT SPORTCOURTS AND REPLACE**

**Issues & Revisions**

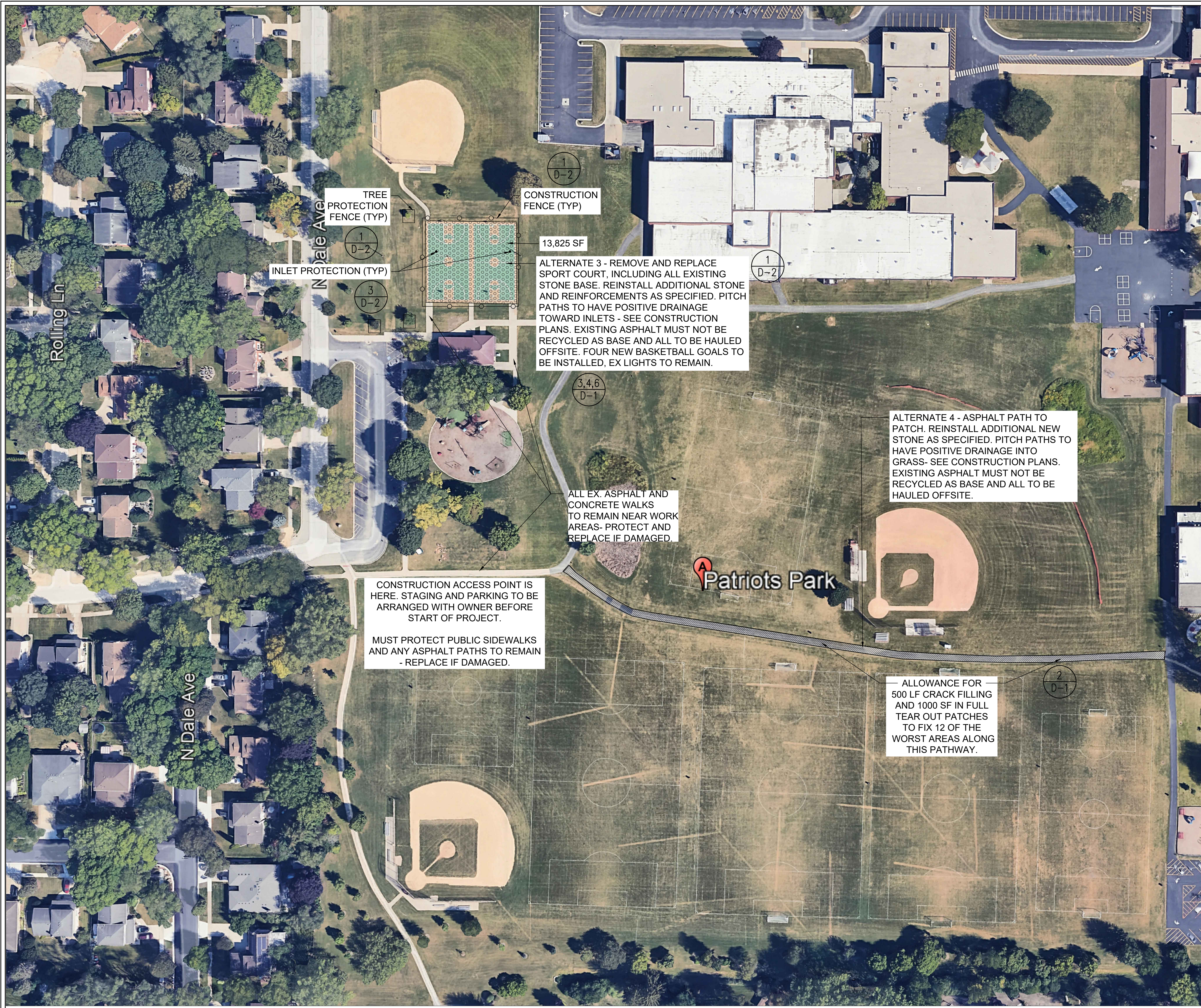
#	Date	Description
1	4-06-2024	IFB PLAN SET



Sheet Title  
**DEMOLITION & SITE PREPARATION-FRONTIER PARK**

Date: March 26, 2024

**DS-6**



TREE PROTECTION FENCE (TYP)

CONSTRUCTION FENCE (TYP)

13,825 SF

INLET PROTECTION (TYP)

ALTERNATE 3 - REMOVE AND REPLACE SPORT COURT, INCLUDING ALL EXISTING STONE BASE. REINSTALL ADDITIONAL STONE AND REINFORCEMENTS AS SPECIFIED. PITCH PATHS TO HAVE POSITIVE DRAINAGE TOWARD INLETS - SEE CONSTRUCTION PLANS. EXISTING ASPHALT MUST NOT BE RECYCLED AS BASE AND ALL TO BE HAULED OFFSITE. FOUR NEW BASKETBALL GOALS TO BE INSTALLED, EX LIGHTS TO REMAIN.

ALTERNATE 4 - ASPHALT PATH TO PATCH. REINSTALL ADDITIONAL NEW STONE AS SPECIFIED. PITCH PATHS TO HAVE POSITIVE DRAINAGE INTO GRASS- SEE CONSTRUCTION PLANS. EXISTING ASPHALT MUST NOT BE RECYCLED AS BASE AND ALL TO BE HAULED OFFSITE.

ALL EX. ASPHALT AND CONCRETE WALKS TO REMAIN NEAR WORK AREAS- PROTECT AND REPLACE IF DAMAGED.

CONSTRUCTION ACCESS POINT IS HERE. STAGING AND PARKING TO BE ARRANGED WITH OWNER BEFORE START OF PROJECT.

MUST PROTECT PUBLIC SIDEWALKS AND ANY ASPHALT PATHS TO REMAIN - REPLACE IF DAMAGED.

ALLOWANCE FOR 500 LF CRACK FILLING AND 1000 SF IN FULL TEAR OUT PATCHES TO FIX 12 OF THE WORST AREAS ALONG THIS PATHWAY.

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- THE CONTRACTOR SHALL KEEP THE PREMISES ON WHICH THE WORK IS BEING DONE CLEAR OF RUBBISH AND DEBRIS AT ALL TIMES. ALL MATERIALS AND DEBRIS REMOVED FROM THE SITE SHALL BE DISPOSED OF LEGALLY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR STREET CLEANING TO KEEP ADJACENT STREETS AND ALLEYS CLEAR OF DIRT AND DEBRIS.
- CONTRACTOR SHALL REMOVE EVERYTHING NECESSARY TO COMPLETE CONSTRUCTION. LABELS ARE FOR CONVENIENCE ONLY AND THE CONTRACTOR SHALL VERIFY REMOVALS PRIOR TO SUBMITTING THE BID FOR WORK ON THIS PROJECT.
- IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL CONSTRUCTION BARRIERS AND FENCING TO PROTECT THE PROPOSED WORK, FOR PUBLIC SAFETY AND TO PROVIDE SECURITY.
- EXISTING DEBRIS PILES NOT ACCOUNTED FOR ON THE SURVEY SHALL BE CLEARED AND DISPOSED OF BY THE CONTRACTOR.
- SILT FENCE AND EROSION CONTROL MEASURES, IF REQUIRED BY LOCAL CODE, ARE THE RESPONSIBILITY OF THE CONTRACTOR.

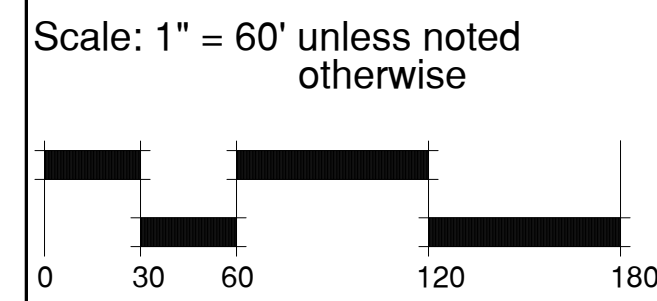


Project  
**2024 ASPHALT - VARIOUS PARKS**

**ALTERNATE 3 - REMOVE AND REPLACE BASKETBALL COURTS**  
**ALTERNATE 4 - PATCH ASPHALT WALK.**

**Issues & Revisions**

#	Date	Description
1	4-06-2024	IFB PLAN SET



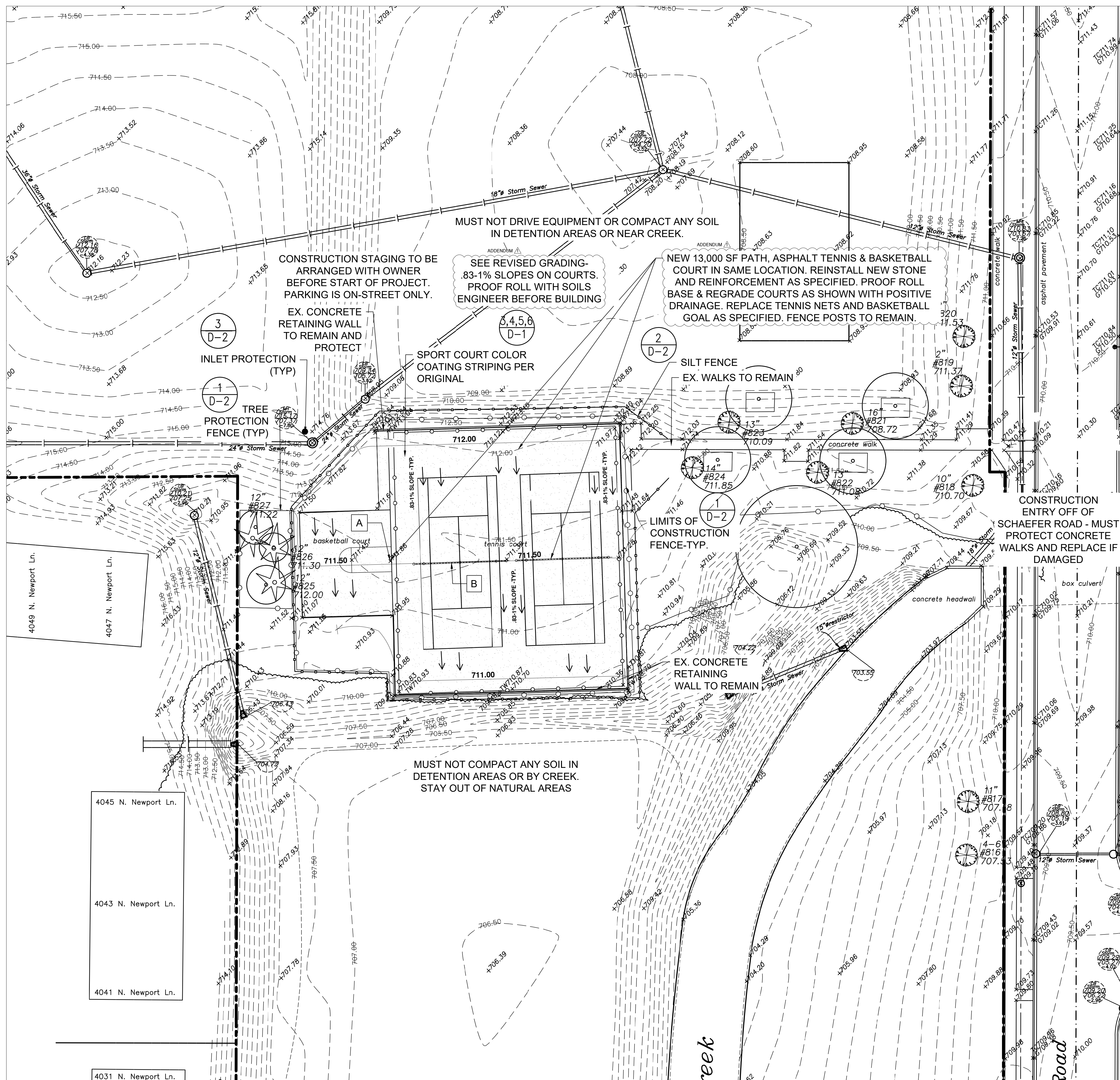
**DEMOLITION & SITE PREP LEGEND**

- ASPHALT SPORT COURT TO REMOVE AND REPLACE
- ASPHALT PATH FOCUS AREA FOR PATCHES
- CONSTRUCTION AND TREE PROTECTION FENCE
- DETAIL REFERENCE

Sheet Title  
**DEMOLITION & SITE PREPARATION- PATRIOT PARK**

Date: March 26, 2024

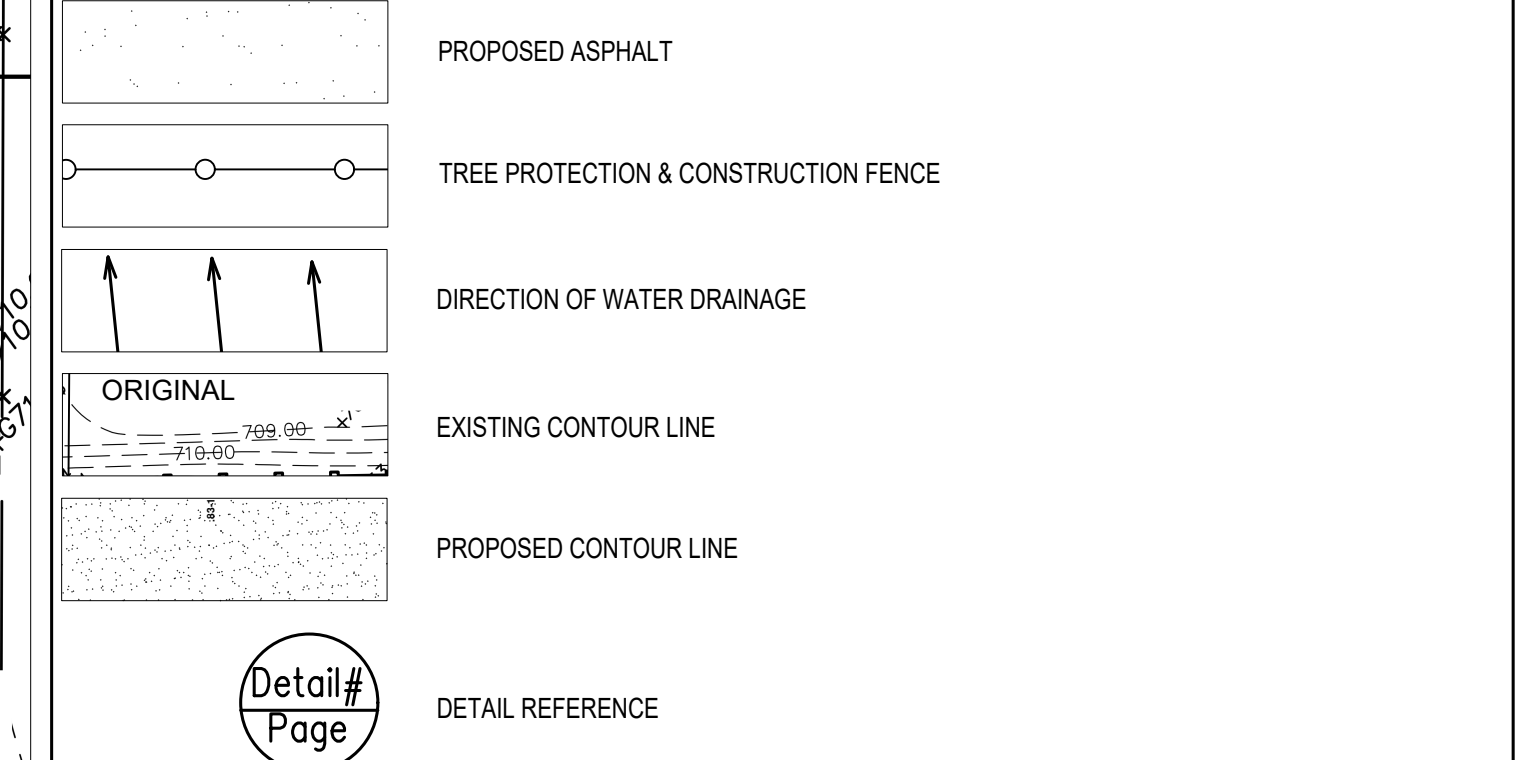
**DS-7**



**CONSTRUCTION NOTES**

- ALL UTILITIES SHALL BE FIELD LOCATED A MINIMUM OF 2 BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH THIS DRAWING SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. CALL J.U.L.I.E. @ 811.
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER UTILITIES TO REMAIN FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUTS AND OTHER HAZARDS CREATED BY SITE IMPROVEMENT OPERATIONS.
- ALL WORK AND OPERATIONS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
- FENCE LINETYPE DOES NOT INDICATE POST LOCATIONS.
- REGRADE, TOPSOIL & SOD OR SEED ALL LAWN AREAS DISTURBED DURING CONSTRUCTION.
- ALL WORK WITHIN ANY R.O.W. SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTIONS.
- ALL DISTURBED AREAS TO BE SEEDED, SODDED OR PLANTED SHALL RECEIVE 9" OF APPROVED TOPSOIL (LIGHTLY COMPACTED). TOPSOIL PROVIDED BY CONTRACTOR.
- WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.
- STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN ONE WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 14 DAYS FROM THE INITIATION OF THE STABILIZATION WORK IN AN AREA.

**GENERAL CONSTRUCTION LEGEND**



**ASPHALT SPORT COURT TEAR OUT & INSTALL**

**SITE FURNISHINGS & COMPONENTS**

ALL ITEMS TO BE FURNISHED BY OWNER UNLESS OTHERWISE NOTED. ALL ITEMS INSTALLED BY OWNER UNLESS NOTED.

KEY	QTY.	PART	DESCRIPTION	DETAIL REFERENCE
A	1	Model R-166-4, 00251H00	PORTER 6' VERTICAL POST BASKETBALL SYSTEM 72" x 42" Steel Backboard, Heavy Duty Goal, H21 Group Purchased by OWNER, installed by CONTRACTOR	INSTALL PER MANUFACTURER'S GUIDELINES
B	4	Model #63070	EDWARD AUSSIE TENNIS NET, 3" O.D. DOUGLAS Premier Post Green Posts Purchased by CONTRACTOR, installed by CONTRACTOR	INSTALL PER MANUFACTURER'S GUIDELINES

**CONSTRUCTION AND GRADING PLAN - CREEKSIDE PARK**

**CS-1**



BASE BID - SEVEN NEW ASPHALT PATCH LOCATIONS AT 400 SF EACH - TYP. CUT OUT EXISTING ASPHALT, FULL TEAR OUT AND PITCH NEW PATCHES FOR POSITIVE DRAINAGE INTO INLETS. ADD ADDITIONAL STONE AS REQUIRED. EXISTING ASPHALT MUST NOT BE RECYCLED AS BASE AND ALL TO BE HAULED OFFSITE.

CONSTRUCTION STAGING, ACCESS POINTS AND PARKING TO BE ARRANGED WITH OWNER BEFORE START OF PROJECT. OWNER WILL PROVIDE CONTACT INFO FOR THE GOLF COURSE SUPERINTENDENT TO THE WINNING BIDDER.

ALL EX. WALKS TO REMAIN - ANY DAMAGE TO BE REPAIRED BY THE CONTRACTOR

MANHOLE TO LOWER FOR POSITIVE DRAINAGE

ALTERNATE 5 - NEW ASPHALT PATCH LOCATION AT 4700 SF. CUT OUT EXISTING ASPHALT, FULL TEAR OUT, ADD STONE AND PITCH NEW PATCHES FOR POSITIVE DRAINAGE INTO INLETS. EXISTING ASPHALT MUST NOT BE RECYCLED AS BASE AND ALL TO BE HAULED OFFSITE.

MANHOLE TO LOWER FOR POSITIVE DRAINAGE





NOTE: TREE PROTECTION NOT NEEDED IF EQUIPMENT AND TRUCKS STAY ON PATHS AND WITHIN PARKING AREAS.

BASE BID - ALLOWANCE OF 30,000 SF NEW ASPHALT PATCHES AND 2500 LF OF CRACK FILL BASED ON WORST LOCATIONS WITHIN PARKING AREA SHOWN- TYP. CUT OUT EXISTING ASPHALT, FULL TEAR OUT, ADD STONE AND PITCH NEW PATCHES FOR POSITIVE DRAINAGE INTO INLETS. EXISTING ASPHALT MUST NOT BE RECYCLED AS BASE AND ALL TO BE HAULED OFFSITE.

**CONSTRUCTION NOTES**

1. ALL UTILITIES SHALL BE FIELD LOCATED A MINIMUM OF 2 BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH THIS DRAWING SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. CALL J.U.L.I.E. @ 811.
2. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER UTILITIES TO REMAIN FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUTS AND OTHER HAZARDS CREATED BY SITE IMPROVEMENT OPERATIONS.
3. ALL WORK AND OPERATIONS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
4. FENCE LINETYPE DOES NOT INDICATE POST LOCATIONS.
5. REGRADE, TOPSOIL & SOD OR SEED ALL LAWN AREAS DISTURBED DURING CONSTRUCTION.
6. ALL WORK WITHIN ANY R.O.W. SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTIONS.
7. ALL DISTURBED AREAS TO BE SEEDED, SODDED OR PLANTED SHALL RECEIVE 9" OF APPROVED TOPSOIL (LIGHTLY COMPACTED). TOPSOIL PROVIDED BY CONTRACTOR.
8. WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.
9. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN ONE WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 14 DAYS FROM THE INITIATION OF THE STABILIZATION WORK IN AN AREA.


**GENERAL CONSTRUCTION LEGEND**

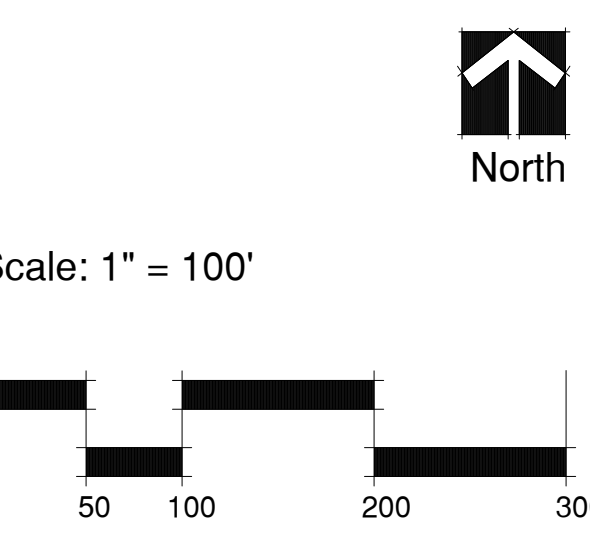
-  PROPOSED ASPHALT
-  ASPHALT FOCUS AREA FOR PATCHES
-  DIRECTION OF WATER DRAINAGE
-  DETAIL REFERENCE



Project  
**2024 ASPHALT - VARIOUS PARKS**

**PATCH ASPHALT WALKS AND PARKING LOT, ALTERNATE 5 - PATCH BY MAINTENANCE SHOP**

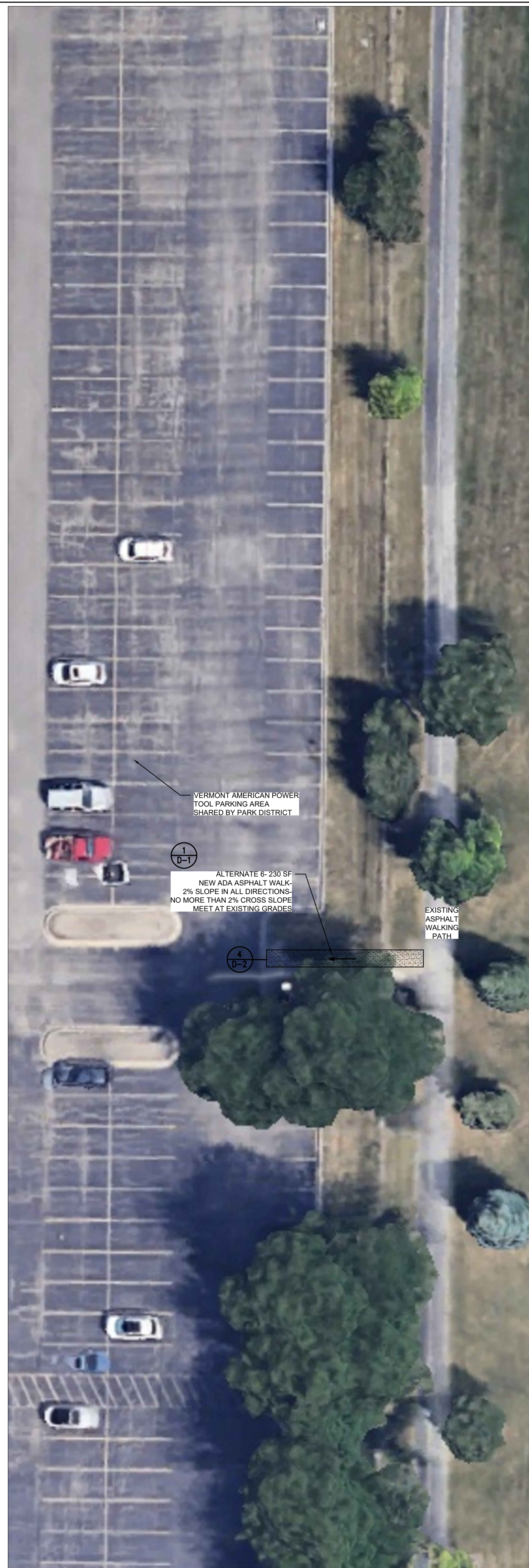
Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET 



Sheet Title  
**CONSTRUCTION AND GRADING PLAN - NICKOL KNOLL**

Date: March 26, 2024

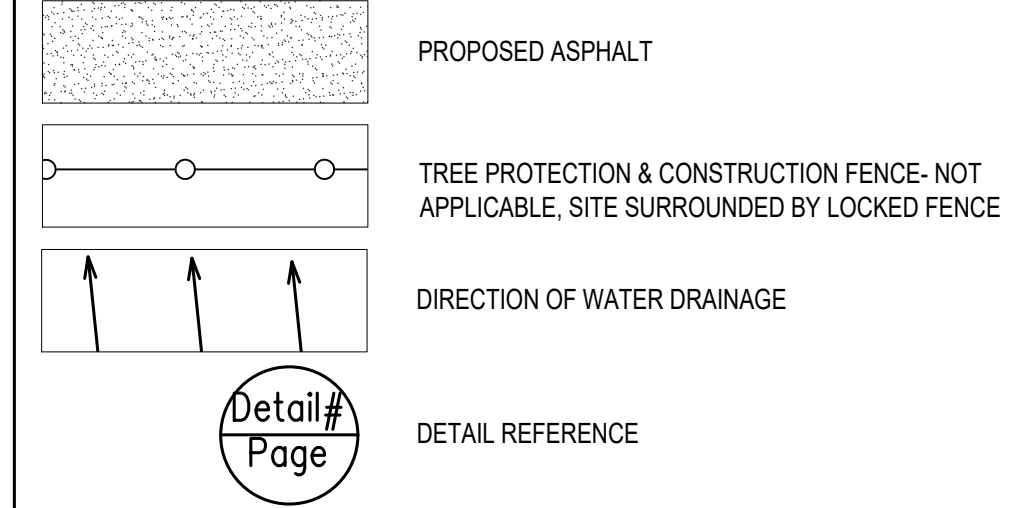
**NK-1**



**CONSTRUCTION NOTES**

1. ALL UTILITIES SHALL BE FIELD LOCATED A MINIMUM OF 2 BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH THIS DRAWING SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. CALL J.U.L.I.E. @ 811.
2. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER UTILITIES TO REMAIN FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUTS AND OTHER HAZARDS CREATED BY SITE IMPROVEMENT OPERATIONS.
3. ALL WORK AND OPERATIONS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
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8. WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.
9. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN ONE WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 14 DAYS FROM THE INITIATION OF THE STABILIZATION WORK IN AN AREA.

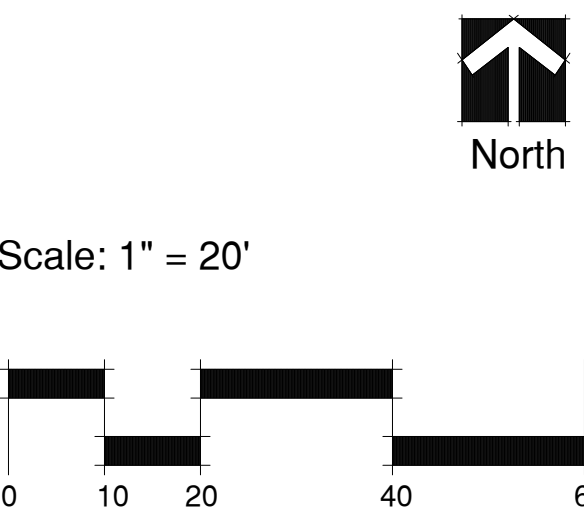
**GENERAL CONSTRUCTION LEGEND**



Project  
**2024 ASPHALT - VARIOUS PARKS**

**REMOVE CONCRETE AND PATCH ASPHALT ALTERNATE 6- ADD NEW ASPHALT PATH**

Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET



Sheet Title  
**CONSTRUCTION AND GRADING PLAN - MELAS**

Date: March 26, 2024

**MP-1**

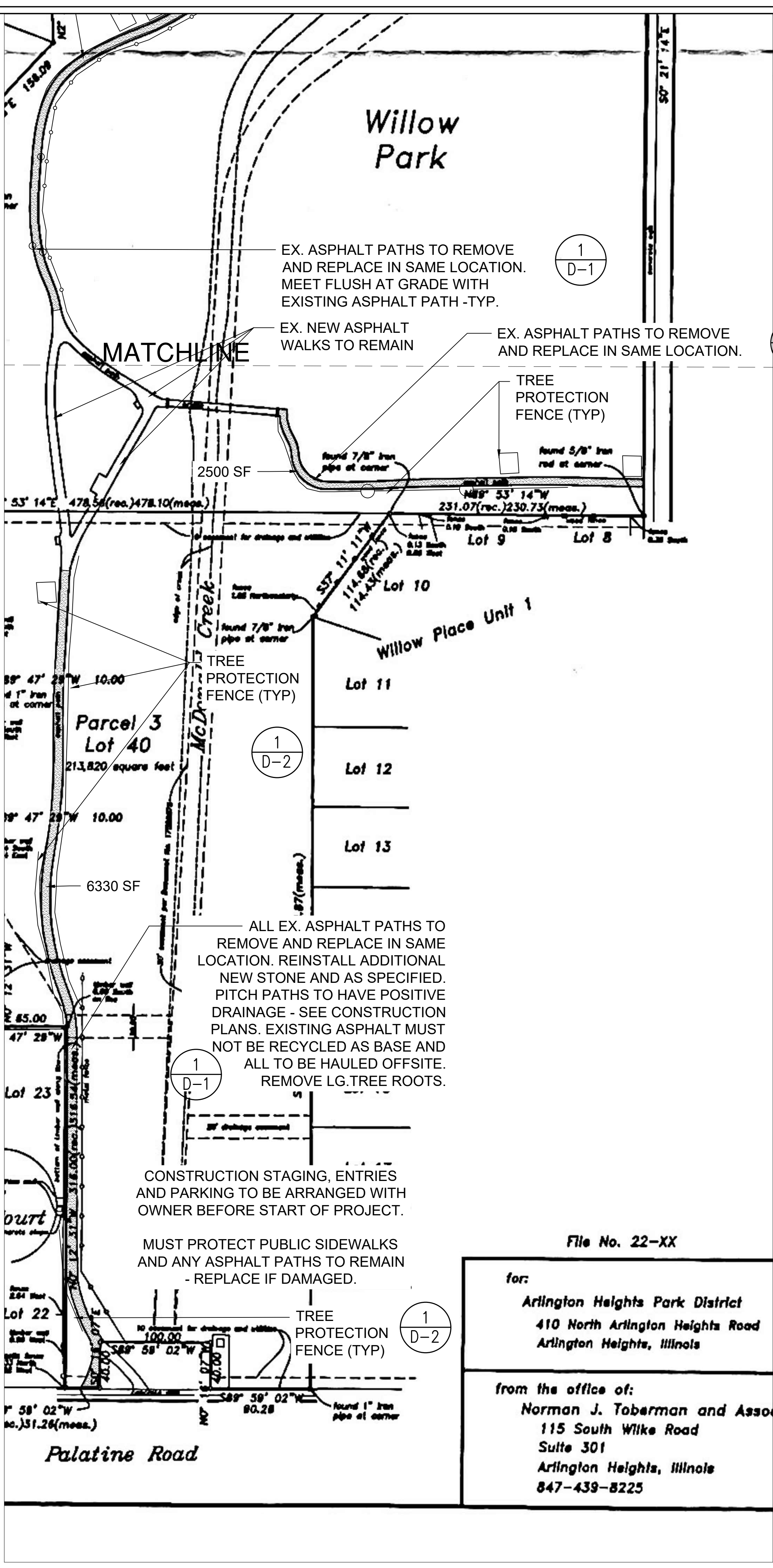
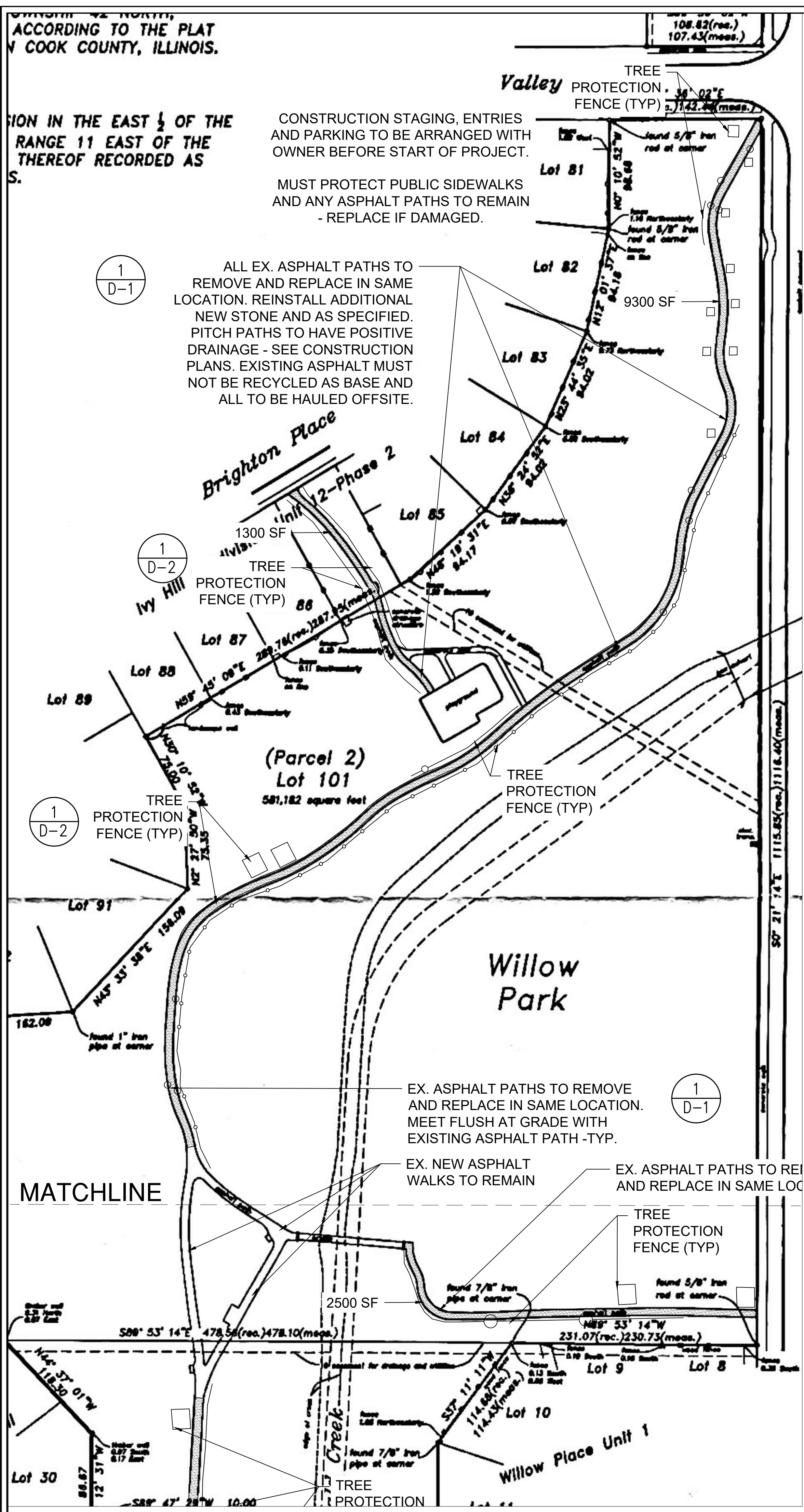
SECTION 22 NORTH,  
 ACCORDING TO THE PLAT  
 IN COOK COUNTY, ILLINOIS.

SECTION IN THE EAST 1/2 OF THE  
 RANGE 11 EAST OF THE  
 TOWNSHIP 35 NORTH  
 THEREOF RECORDED AS  
 MAP NO. 111,230 (P. 1)  
 S.

CONSTRUCTION STAGING, ENTRIES  
 AND PARKING TO BE ARRANGED WITH  
 OWNER BEFORE START OF PROJECT.

MUST PROTECT PUBLIC SIDEWALKS  
 AND ANY ASPHALT PATHS TO REMAIN  
 - REPLACE IF DAMAGED.

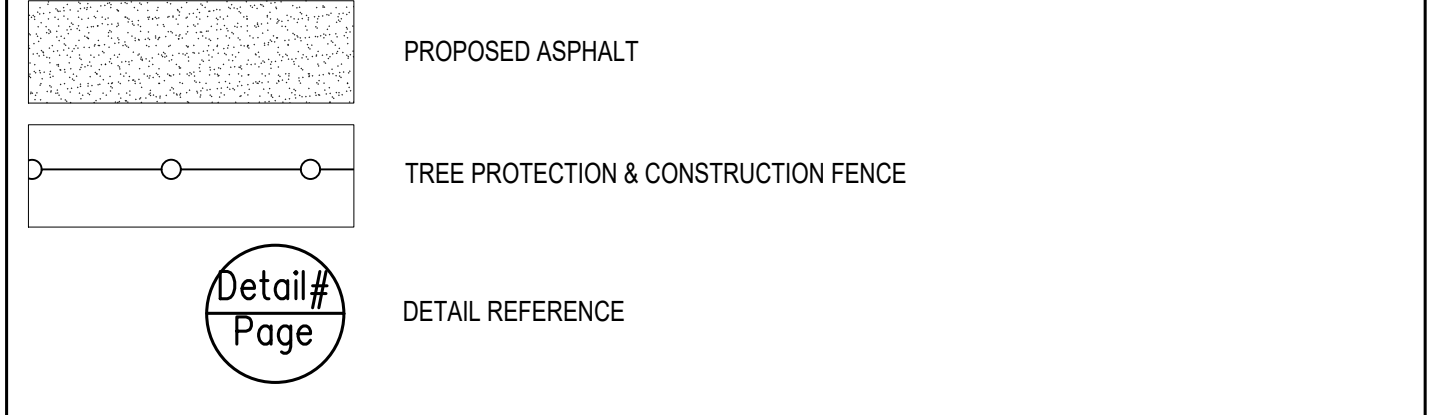
ALL EX. ASPHALT PATHS TO  
 REMOVE AND REPLACE IN SAME  
 LOCATION. REINSTALL ADDITIONAL  
 NEW STONE AND AS SPECIFIED.  
 PITCH PATHS TO HAVE POSITIVE  
 DRAINAGE - SEE CONSTRUCTION  
 PLANS. EXISTING ASPHALT MUST  
 NOT BE RECYCLED AS BASE AND  
 ALL TO BE HAULED OFFSITE.



**CONSTRUCTION NOTES**

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**GENERAL CONSTRUCTION LEGEND**

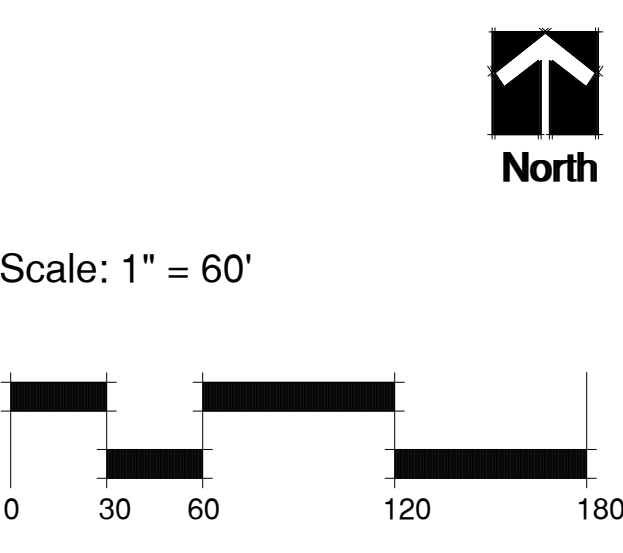


**Project**  
 2024 ASPHALT -  
 VARIOUS PARKS

**REMOVE ASPHALT WALKS AND REINSTALL AS SHOWN**

**Issues & Revisions**

#	Date	Description
1	4-06-2024	IFB PLAN SET



**File No. 22-XX**

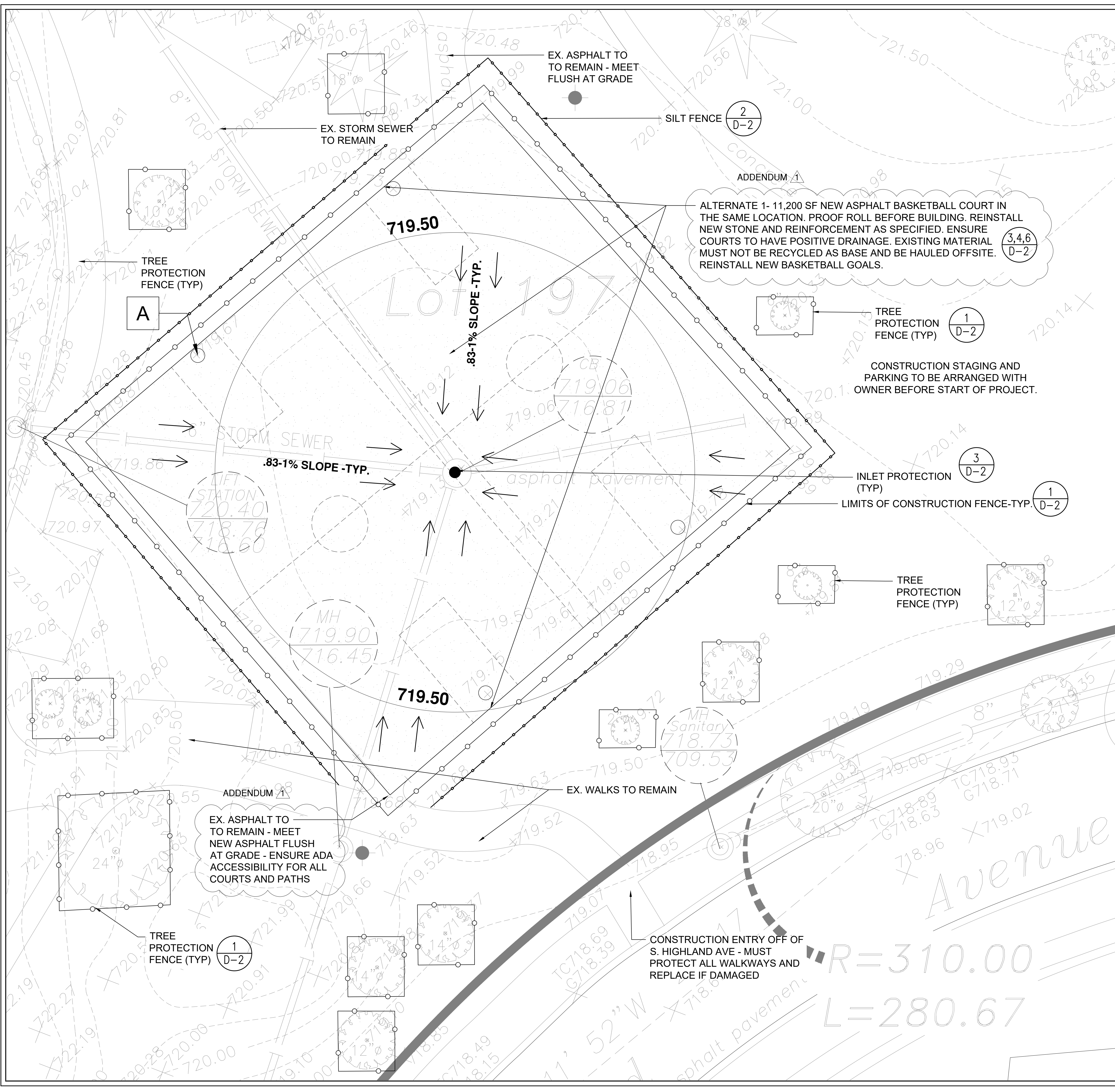
for:  
 Arlington Heights Park District  
 410 North Arlington Heights Road  
 Arlington Heights, Illinois

from the office of:  
 Norman J. Toberman and Assoc.  
 115 South Wilke Road  
 Suite 301  
 Arlington Heights, Illinois  
 847-439-8225

**Sheet Title**  
 CONSTRUCTION  
 AND GRADING  
 PLAN - WILLOW  
 PARK

Date: March 26, 2024

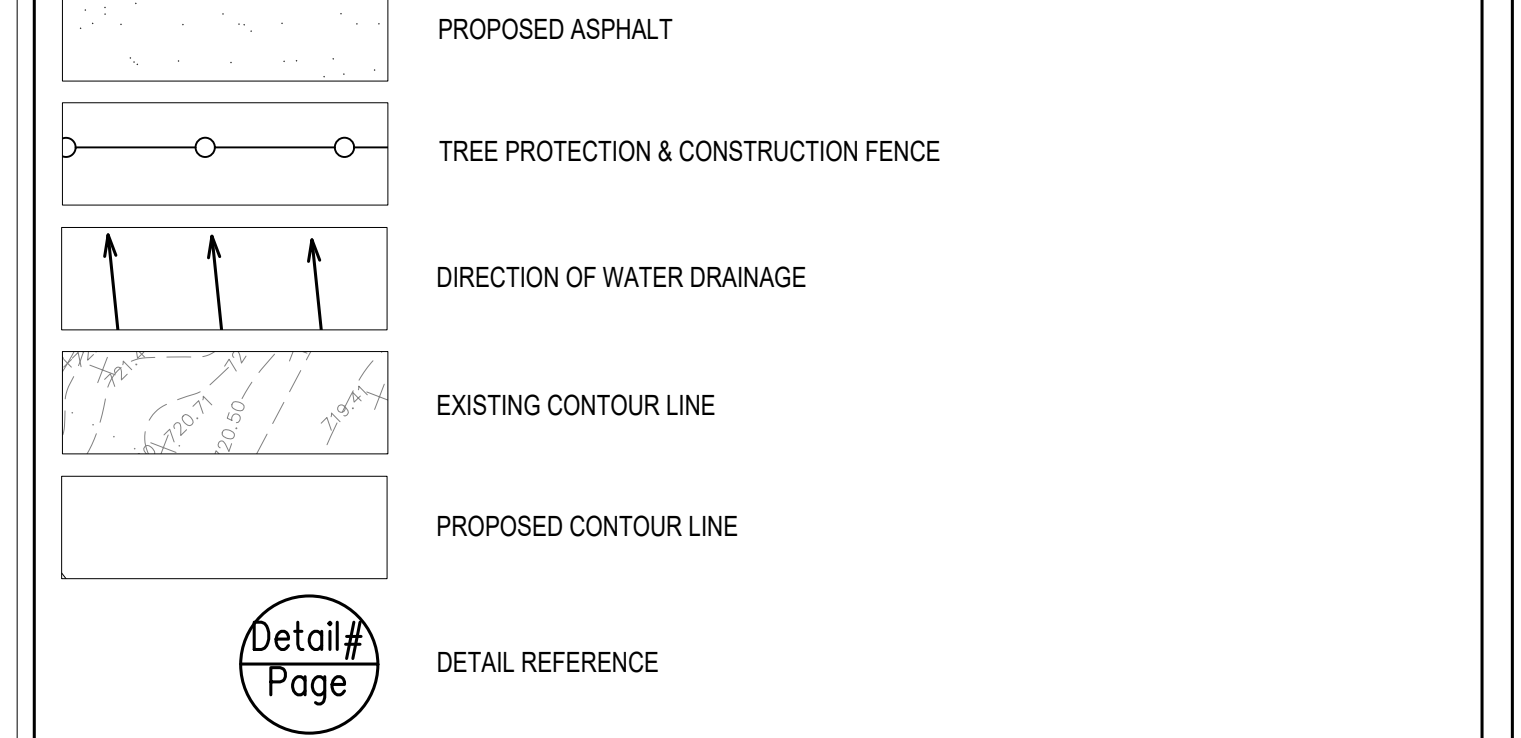
**WP-1**



**CONSTRUCTION NOTES**

1. ALL UTILITIES SHALL BE FIELD LOCATED A MINIMUM OF 2 BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH THIS DRAWING SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. CALL J.U.L.I.E. @ 811.
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**GENERAL CONSTRUCTION LEGEND**



**SITE FURNISHINGS & COMPONENTS**

ALL ITEMS TO BE FURNISHED BY OWNER UNLESS OTHERWISE NOTED. ALL ITEMS INSTALLED BY OWNER UNLESS NOTED.

KEY	QTY.	PART	DESCRIPTION	DETAIL REFERENCE
A	4	Model R-166-4, 00251H00	PORTER 6' VERTICAL POST BASKETBALL SYSTEM 72" x 42" Steel Backboard, Heavy Duty Goal, H21 Group Purchased by OWNER, installed by CONTRACTOR	INSTALL PER MANUFACTURER'S GUIDELINES

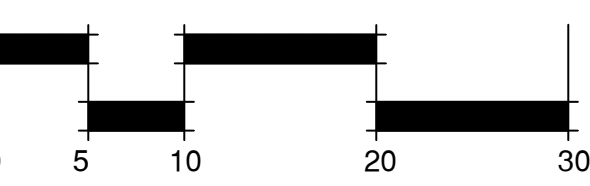


Project  
**2024 ASPHALT - VARIOUS PARKS**

**ALTERNATE 1- REMOVE ASPHALT SPORT COURTS AND REPLACE**

**Issues & Revisions**

#	Date	Description
1	4-06-2024	IFB PLAN SET 1



Sheet Title


**CONSTRUCTION AND GRADING PLAN - HERITAGE PARK**

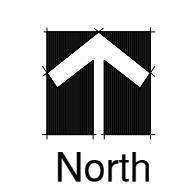
Date: March 26, 2024

**HP-1**

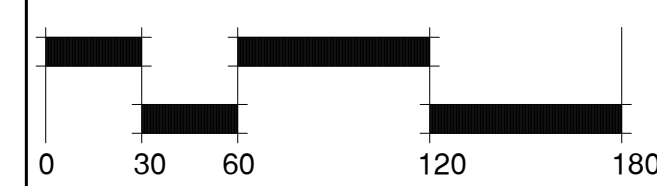




Issues & Revisions		
#	Date	Description
1	4-06-2024	IFB PLAN SET 



Scale: 1" = 60'



Sheet Title  
**CONSTRUCTION AND GRADING PLAN - PATRIOT PARK**


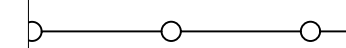




Date: March 26, 2024

**PA-1**

**CONSTRUCTION NOTES**

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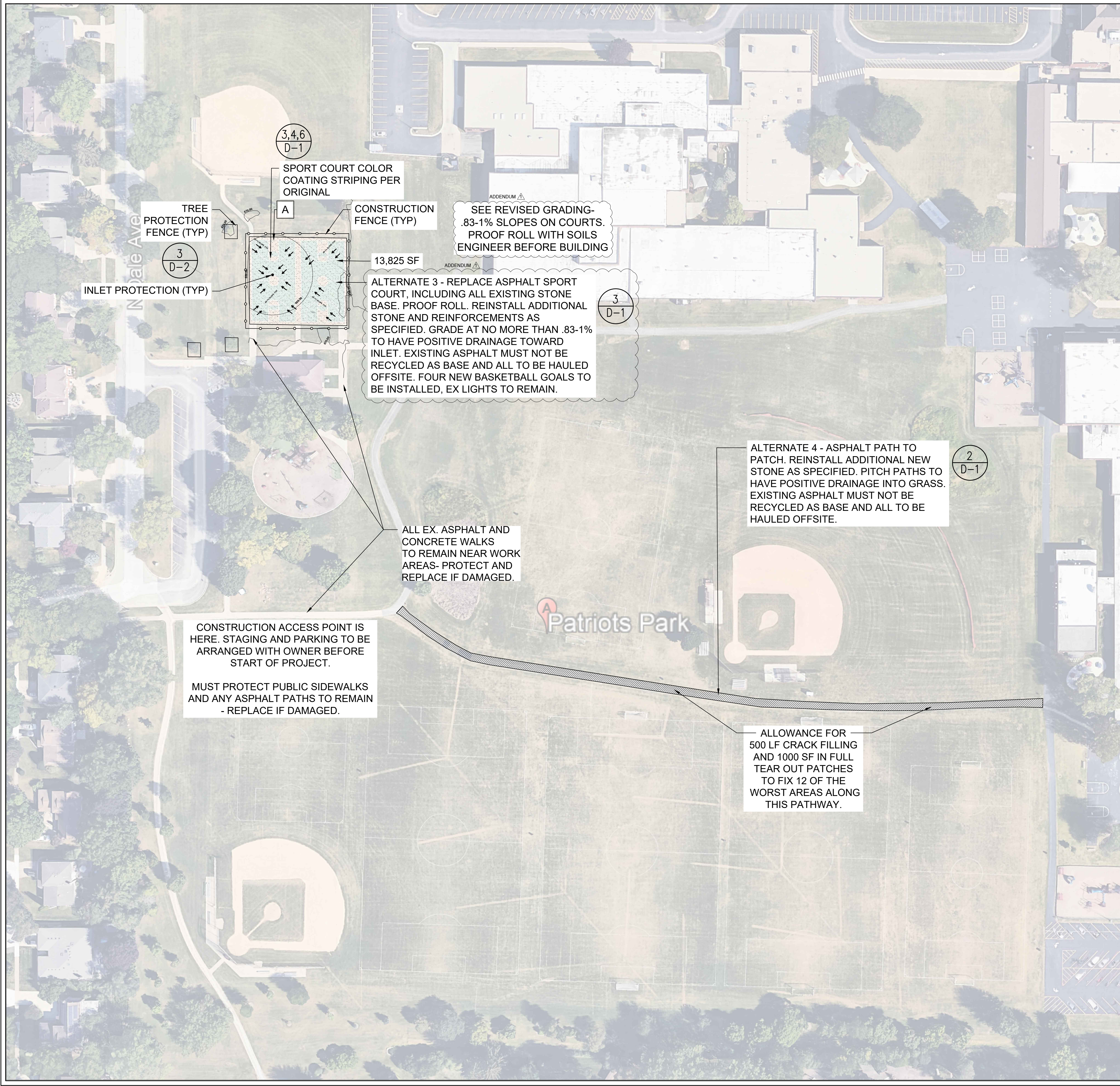
**GENERAL CONSTRUCTION LEGEND**

-  PROPOSED ASPHALT
-  TREE PROTECTION & CONSTRUCTION FENCE
-  DIRECTION OF WATER DRAINAGE
-  EXISTING CONTOUR LINE
-  PROPOSED CONTOUR LINE
-  DETAIL REFERENCE

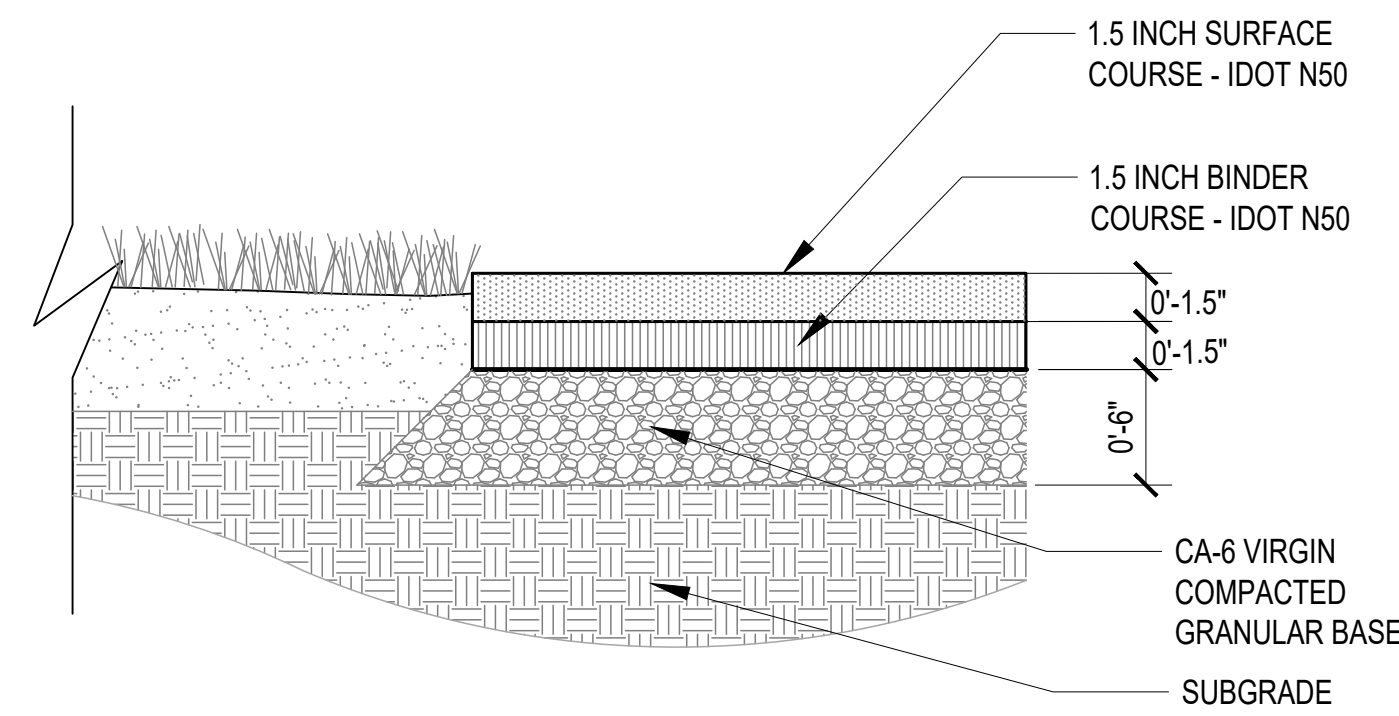
**SITE FURNISHINGS & COMPONENTS**

ALL ITEMS TO BE FURNISHED BY OWNER UNLESS OTHERWISE NOTED. ALL ITEMS INSTALLED BY OWNER UNLESS NOTED.

KEY	QTY.	PART	DESCRIPTION	DETAIL REFERENCE
A	4	Model R-166-4, 00251H00	PORTER 6' VERTICAL POST BASKETBALL SYSTEM 72" x 42" Steel Backboard, Heavy Duty Goal, H21 Group Purchased by OWNER, installed by CONTRACTOR	INSTALL PER MANUFACTURER'S GUIDELINES

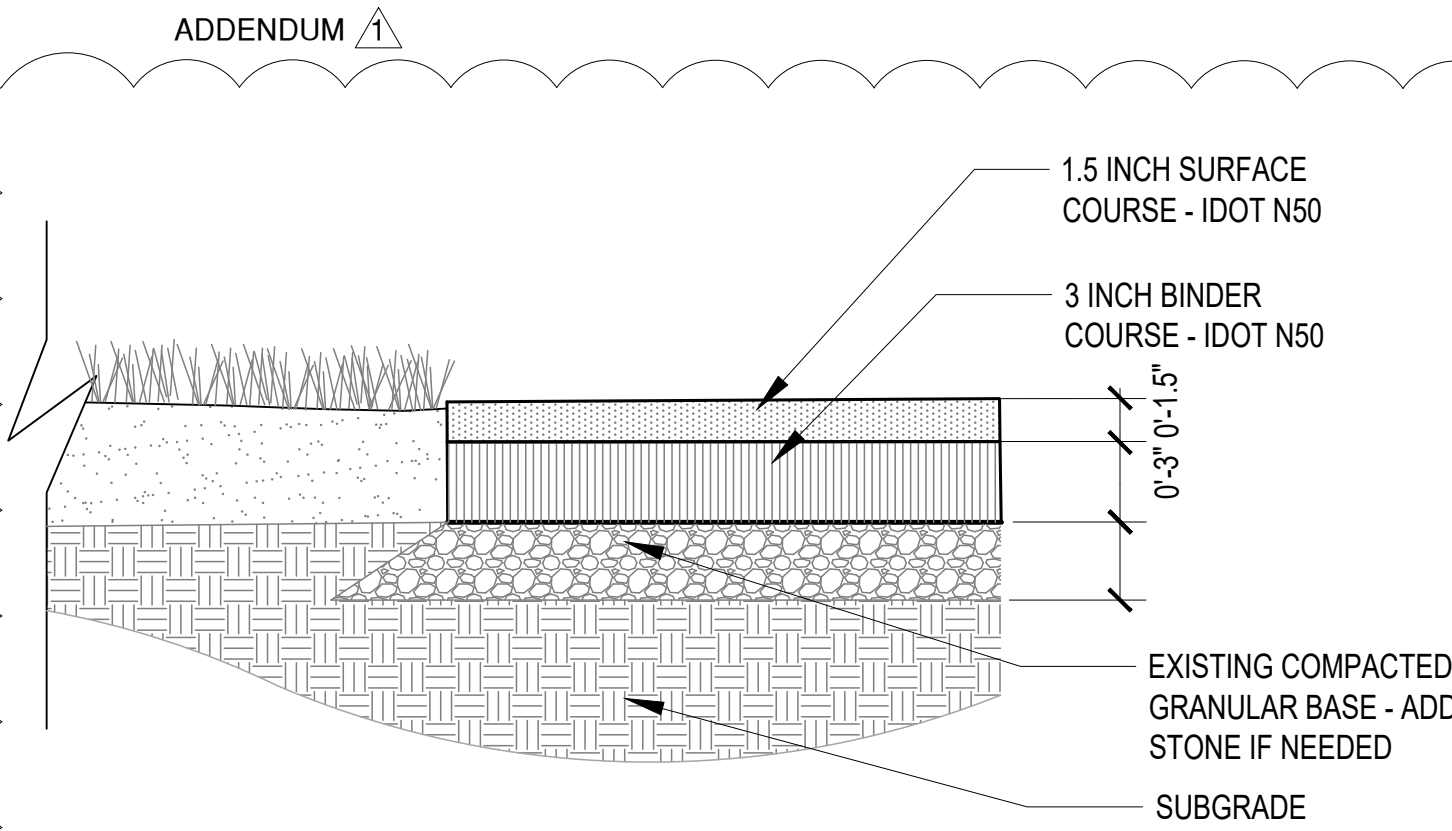


**Patriots Park**



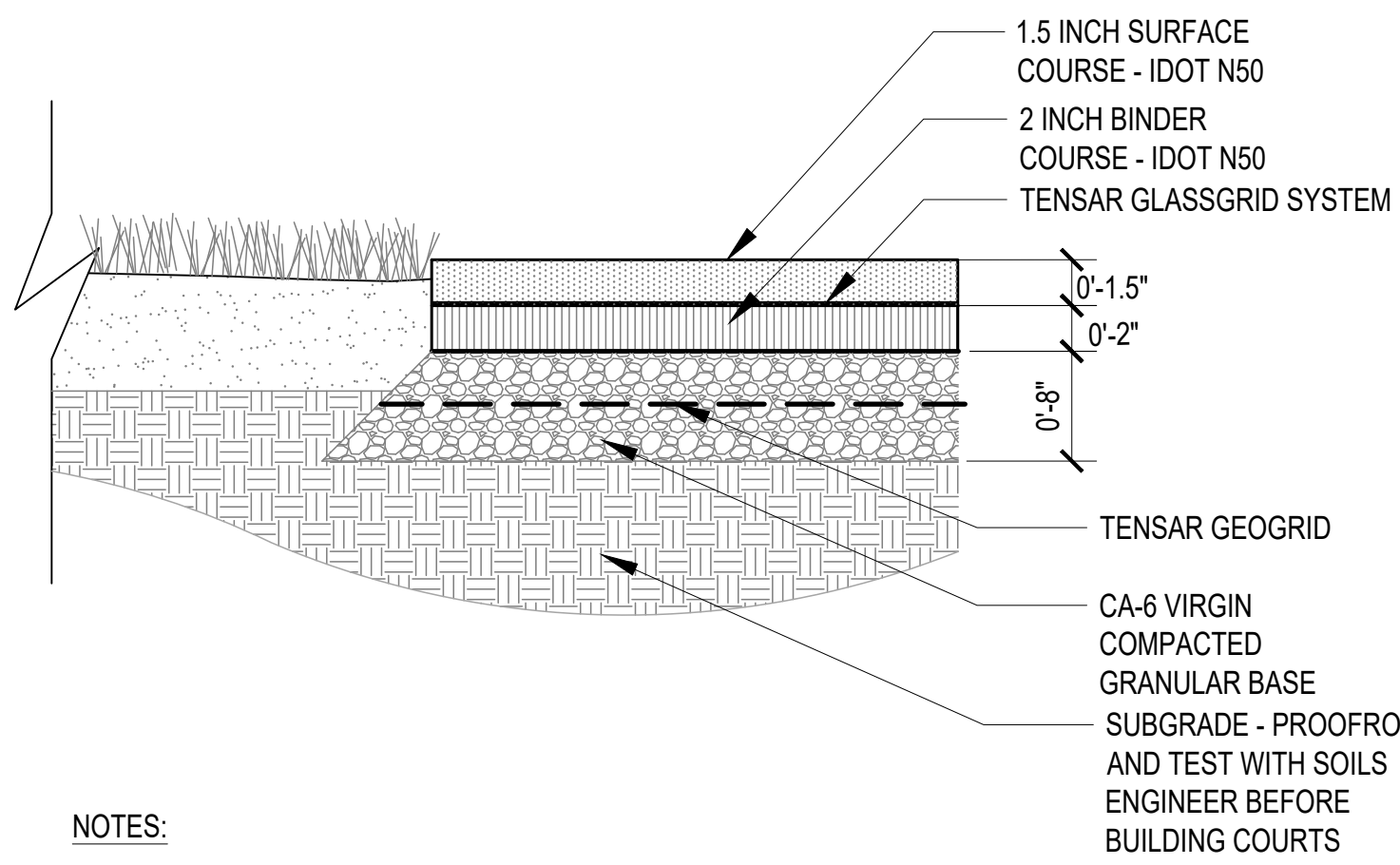
NOTES:  
 1. 9-INCH EXCAVATION, WITH 6" STONE, 1.5" BINDER COURSE AND 1.5" SURFACE COURSE

**1** 3-INCH ASPHALT PATHWAY TRAIL  
 NOT TO SCALE



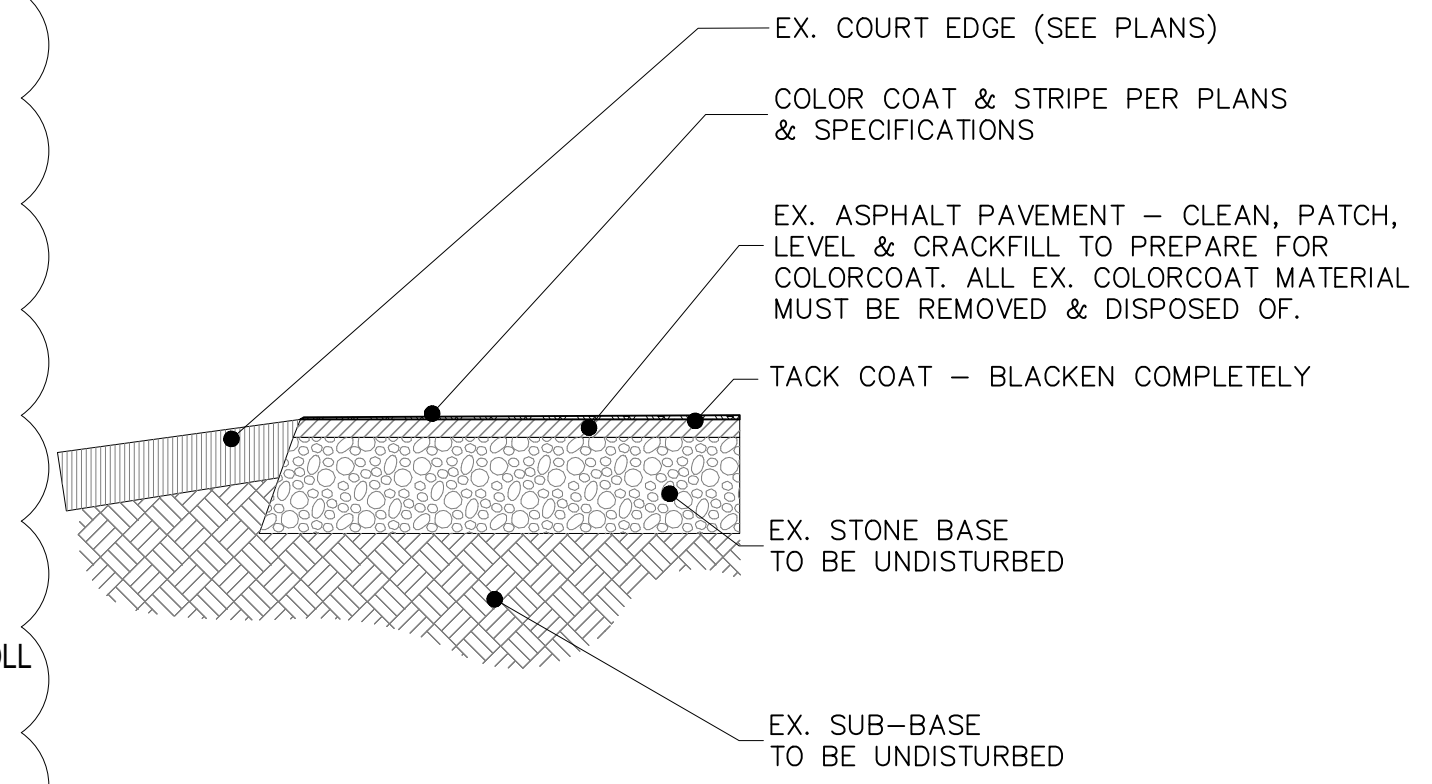
NOTES:  
 1. 4 1/2-INCH EXCAVATION, WITH 1.5" SURFACE COURSE

**2** 4-INCH ASPHALT PATCH - TYPICAL  
 NOT TO SCALE



NOTES:  
 1. 9-INCH EXCAVATION, WITH 6" STONE, 1.5" BINDER COURSE AND 1.5" SURFACE COURSE

**3** REINFORCED SPORT COURTS - TYPICAL  
 NOT TO SCALE



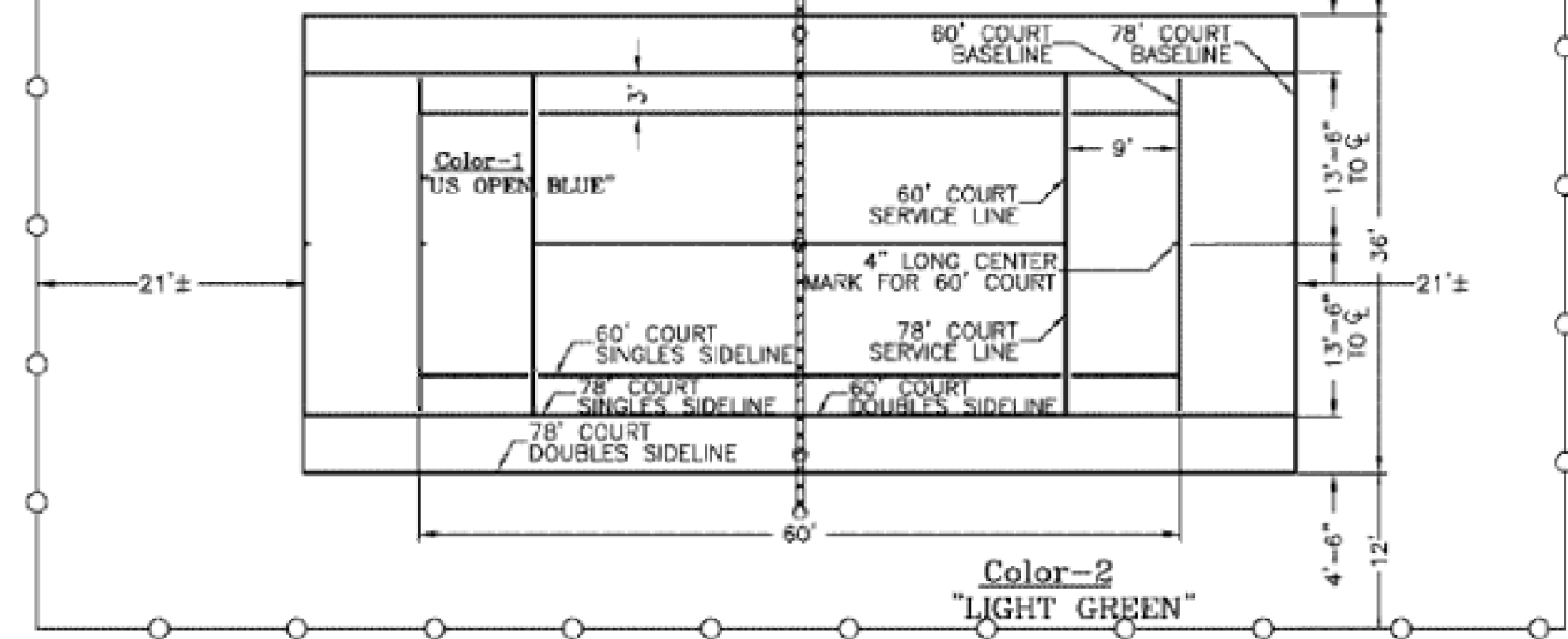
**4** ASPHALT WITH COLOR COAT COURT PAVEMENT  
 NOT TO SCALE

PAINT UNDER 10 AGE GROUP LINES ON 2-COURT (SEE AHPD FOR CT. LOCATIONS)

In-Bound Color "US OPEN BLUE"      Out-of-Bound Color "LIGHT GREEN"

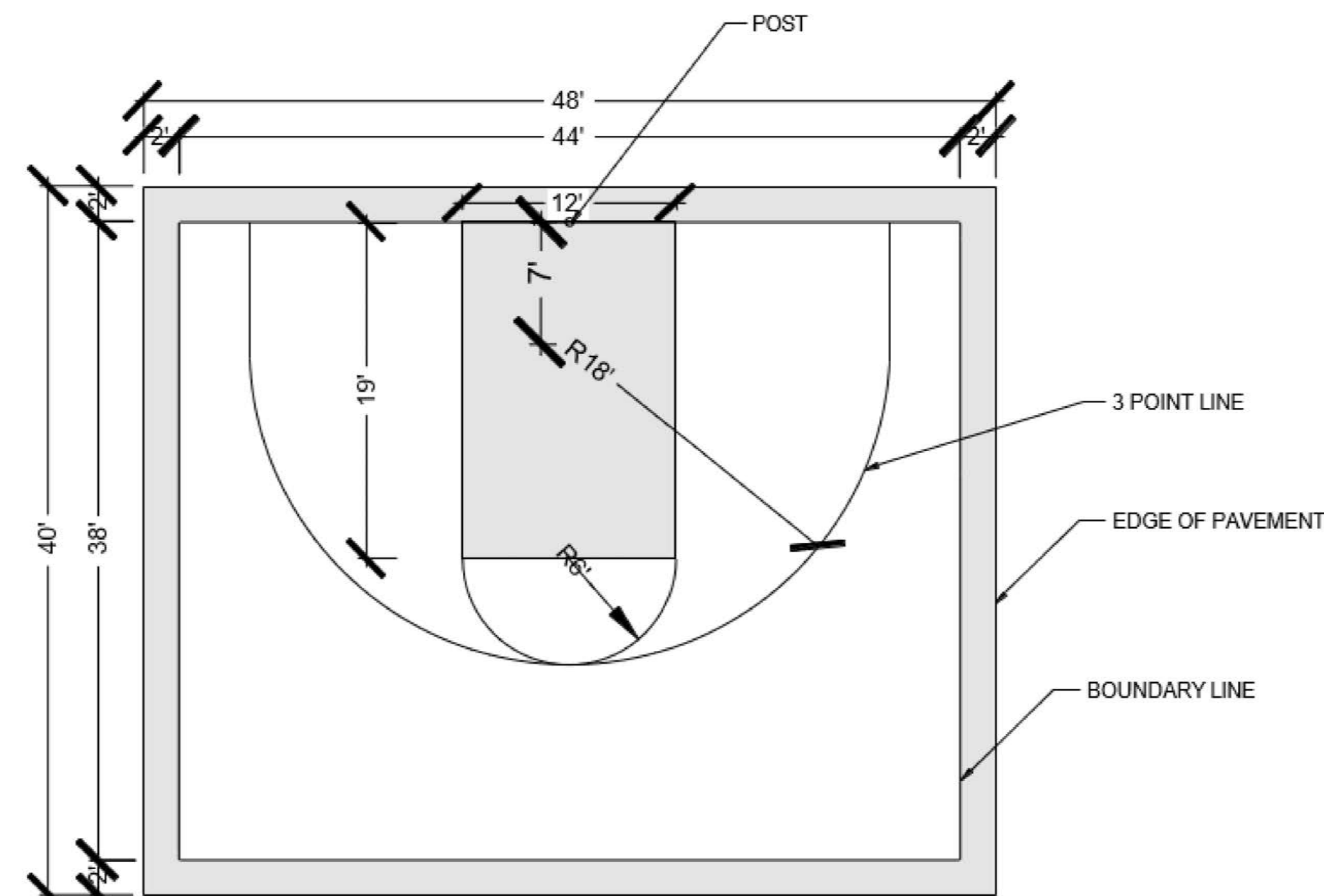
- NOTES:
1. ALL 78' COURT DIMENSIONS ARE TO THE OUTSIDE EDGE OF LINES.
  2. ALL 78' COURT PLAYING LINES ARE 2" IN WIDTH.
  3. TWO COLOR 2-COAT SYSTEM (SEPARATE "IN-BOUND" & "OUTBOUND COLORS" WITH 2"-WHITE LINES).
  4. ALL 60 FOOT COURT PLAYING LINES SHALL BE TEXTURED LINE PAINT WITHIN THE SAME FAMILY AS THE 78 FOOT COURT COLOR.
  5. ALL 60 FOOT COURT PLAYING LINES SHALL TERMINATE 3 INCHES FROM THE 78 FOOT COURT PLAYING LINES.
  6. ALL 60 FOOT COURT PLAYING LINES SHALL BE 1-1/2" WIDE.
  7. ALL 60 FOOT COURT PLAYING LINES SHALL BE MEASURED TO THE OUTSIDE EDGE OF THE PLAYING LINE, WITH THE EXCEPTION OF THE CENTER LINES WHICH SHALL BE MEASURED OUT TO CENTER.

50' BLENDED LINES ON A 78' COURT



**10 & UNDER 60' PRACTICE TENNIS COURT PAVEMENT STRIPING DETAIL (Typ.)**  
 N.T.S.

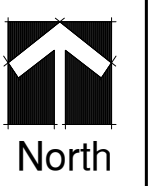
**5** COLOR COAT TENNIS COURT STRIPING  
 NOT TO SCALE



ALL LINES 2" WHITE STRIPING  
 COURT: MEDIUM BLUE  
 FREE THROW LANE & OUTER BOUNDARY: LIGHT GREEN

**6** COLOR COAT BASKETBALL COURT STRIPING  
 NOT TO SCALE

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Scale: 1" = 10'

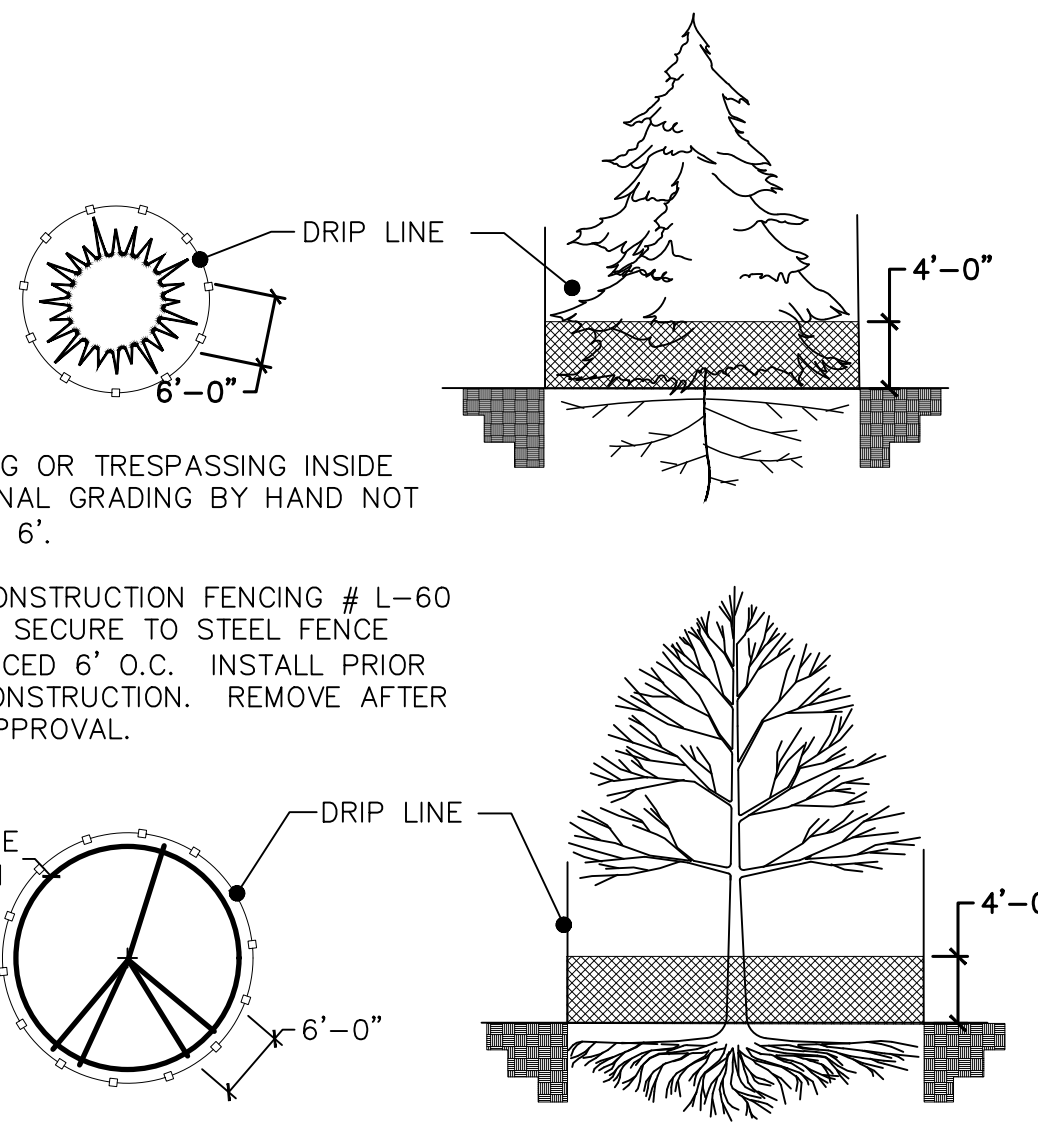


Sheet Title  
**CONSTRUCTION DETAILS - ASPHALT & COLOR COATING**

Date: March 26, 2024

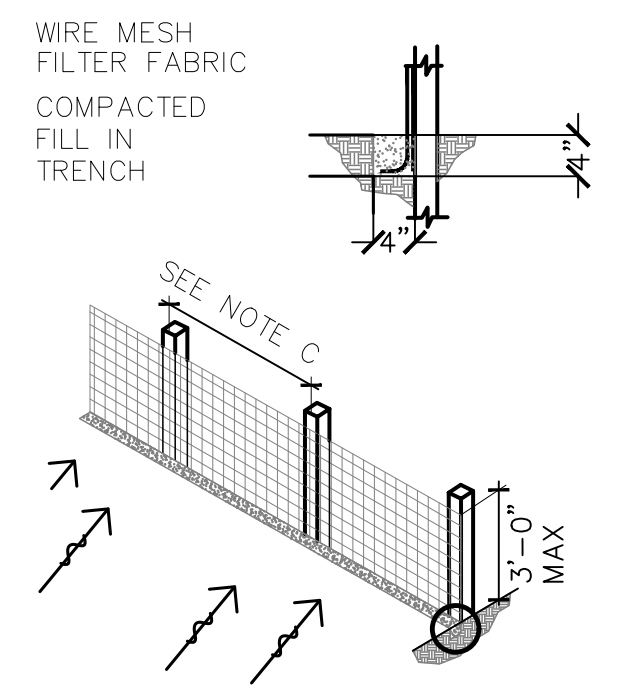
**D-1**

**SILT FENCE NOTES:**  
 A) THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES.  
 B) THE FILTER FABRIC SHOULD BE INSTALLED IN A CONTINUOUS ROLL ALONG THE LENGTH OF THE BARRIER. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED TOGETHER AT SUPPORT POSTS WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED.  
 C) POSTS SHALL BE SPACED A MAXIMUM OF 5- FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES).  
 D) A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.  
 E) WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, THE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH.  
 F) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH.  
 G) IF EXTRA STRENGTH FILTER FABRIC IS USED AND POSTS ARE SPACED AT 5 FEET ON CENTER MAX, THE WIRE MESH CAN BE ELIMINATED.  
 H) SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

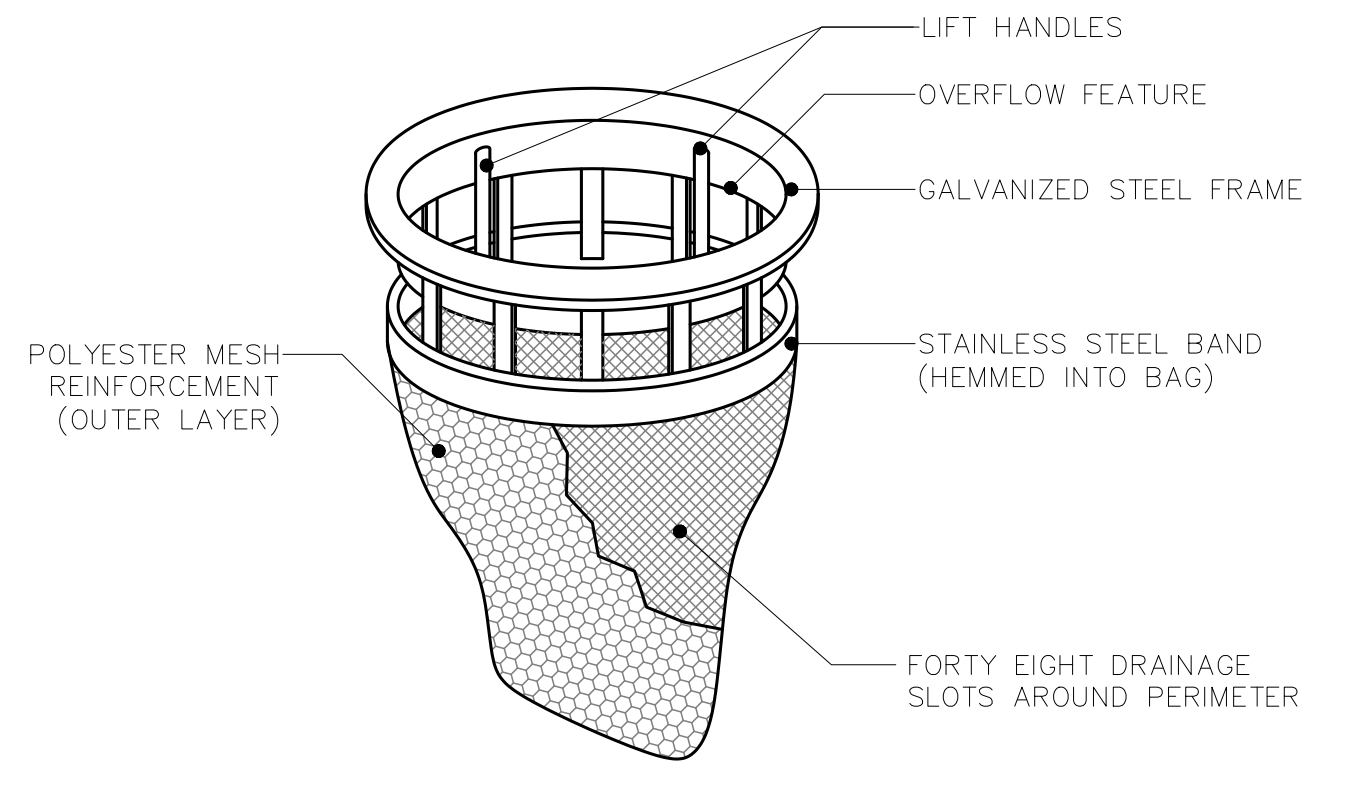


NO GRADING OR TRESPASSING INSIDE FENCE. FINAL GRADING BY HAND NOT TO EXCEED 6".  
 DUPONT CONSTRUCTION FENCING # L-60 OR L-70. SECURE TO STEEL FENCE POSTS PLACED 6' O.C. INSTALL PRIOR TO ANY CONSTRUCTION. REMOVE AFTER OWNERS APPROVAL.

**1 CONSTRUCTION & TREE PROTECTION FENCE**  
 NOT TO SCALE



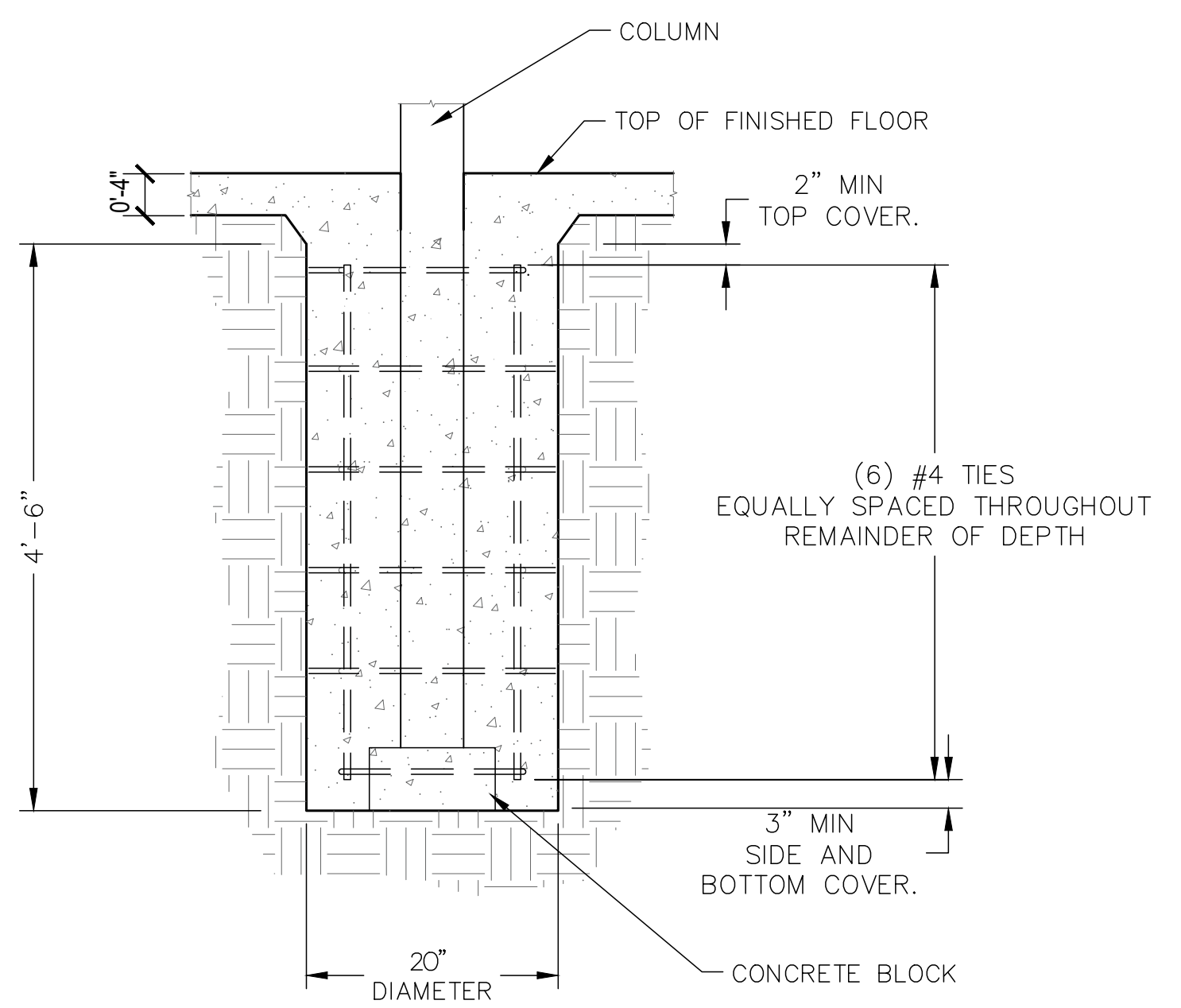
**2 SILT FENCE**  
 NOT TO SCALE



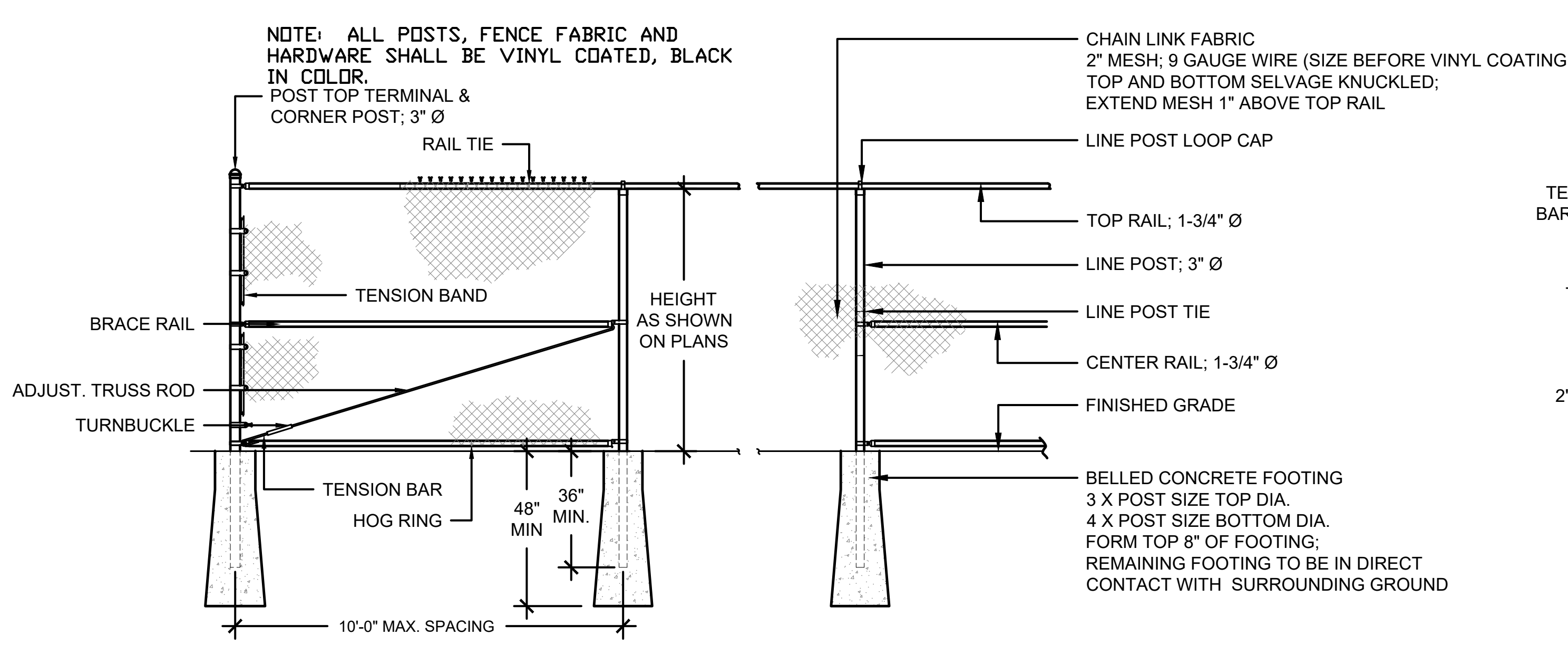
NOTE:  
 MATERIAL SHALL BE "CATCH-ALL" AS MANUFACTURED BY MAR-MAC MANUFACTURING. COST SHALL BE INCLUDED IN EROSION CONTROL.  
 MATCH SILT BAG SHAPE TO INLET SHAPE; (ROUND-TO-ROUND, RECTANGULAR-TO-RECTANGULAR, ETC.)

**3 INLET PROTECTION - SILT BAG**  
 NOT TO SCALE

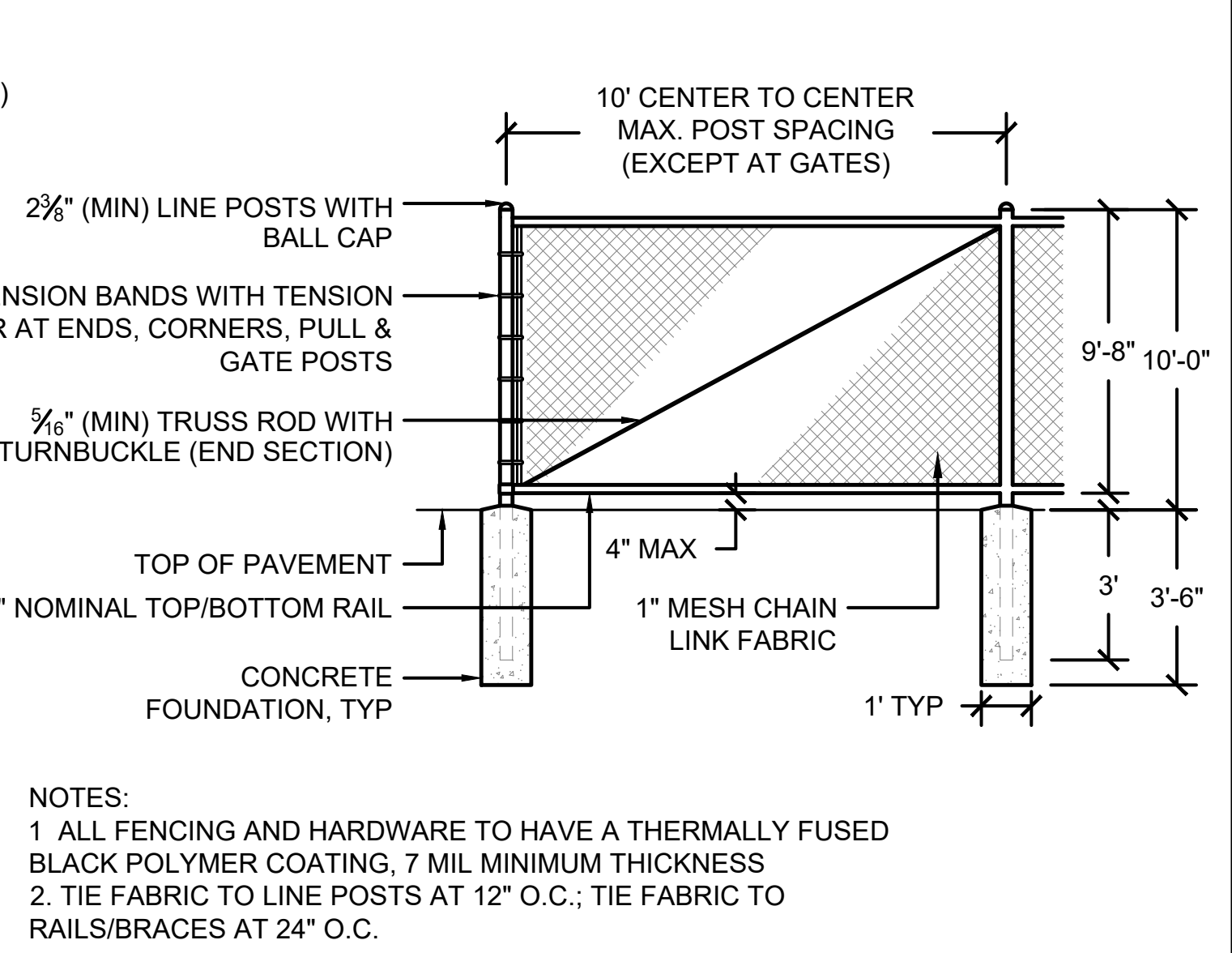
**4 SAW-CUT CURB DETAIL**  
 NOT TO SCALE



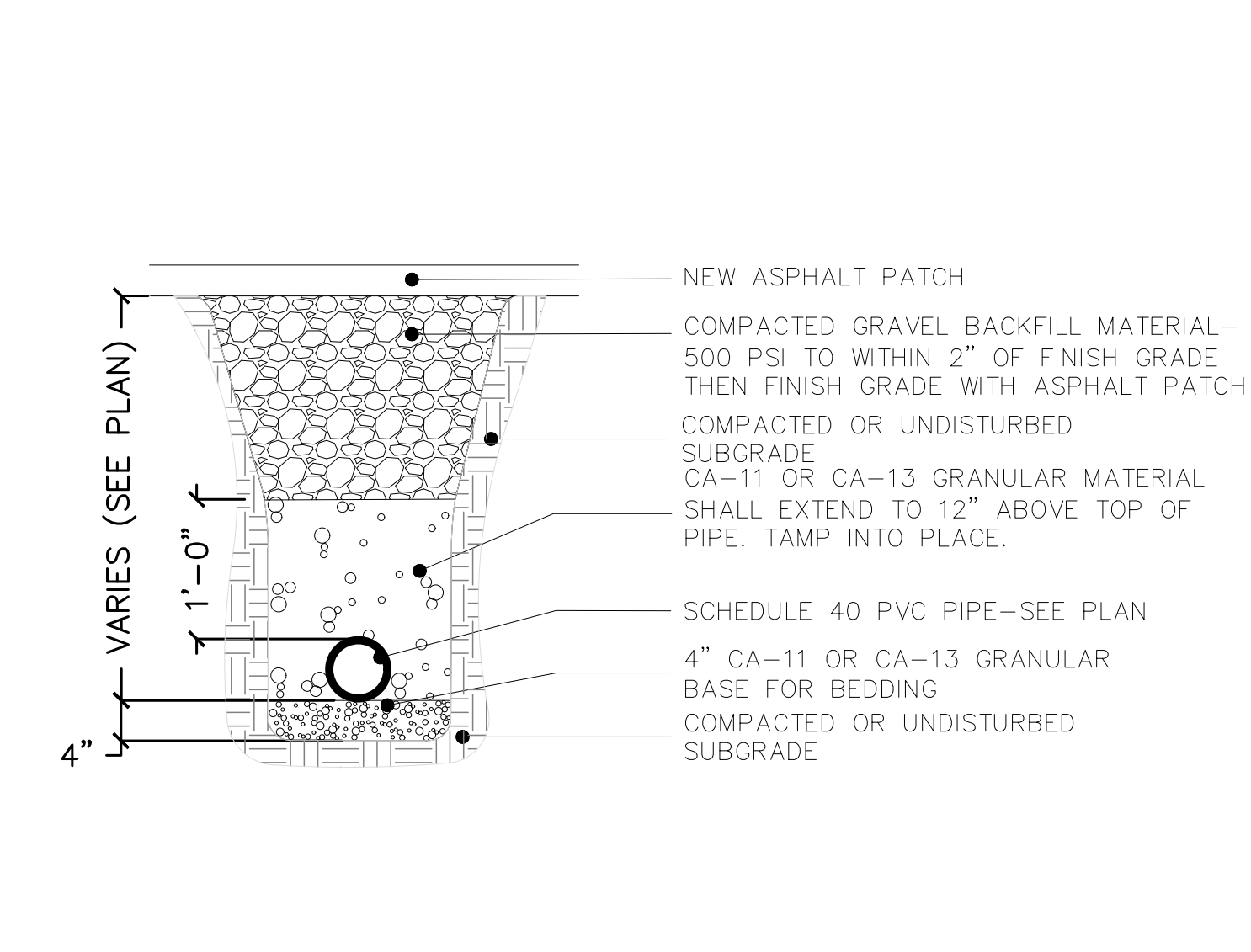
**5 BASKETBALL POST FOOTING**  
 NOT TO SCALE



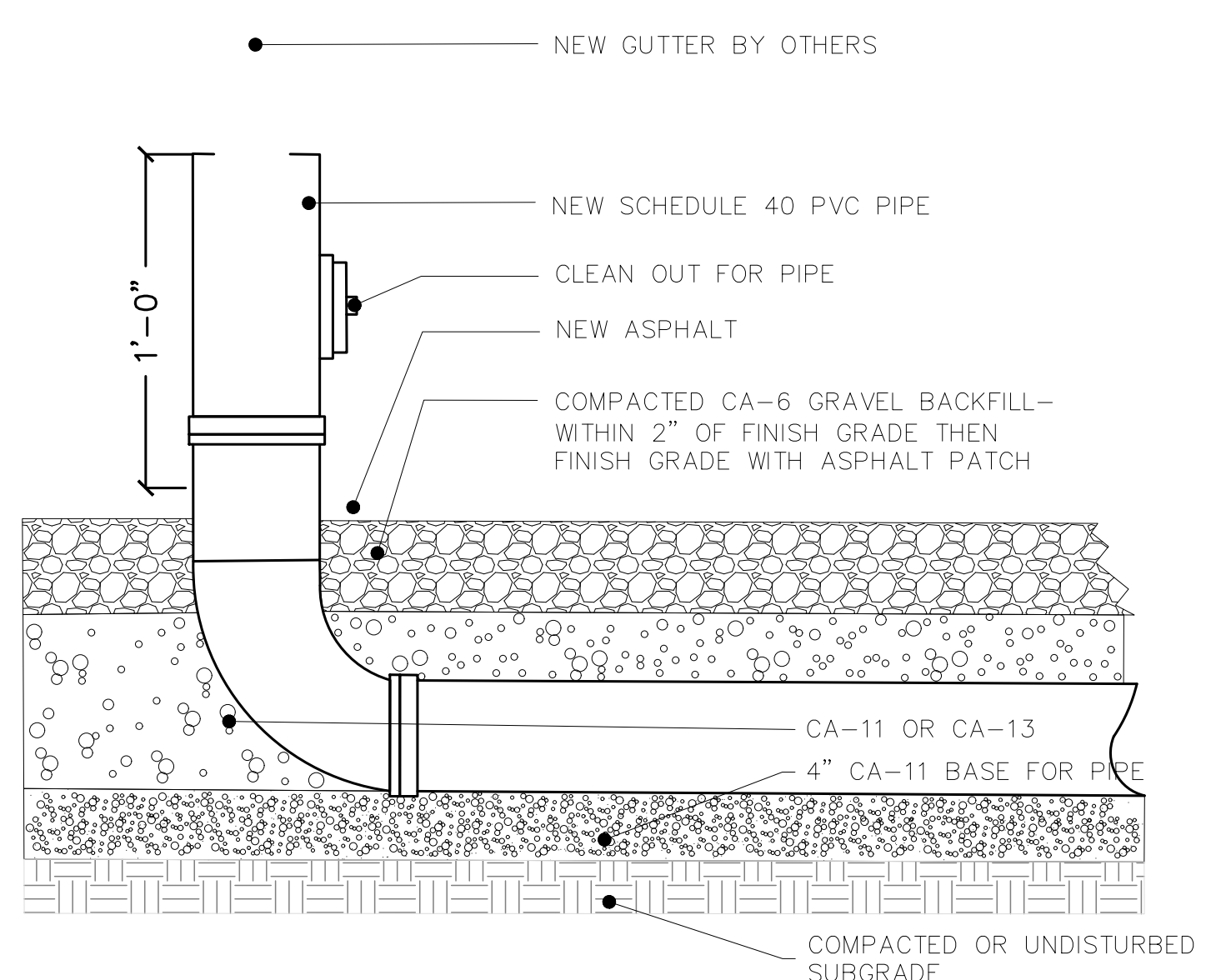
**6 CHAIN LINK FENCE DETAIL**  
 NTS



**7 TYPICAL CHAIN LINK FENCE ELEVATION**  
 SCALE: NTS



**8 STORM SEWER TRENCH: HARDSCAPE AREAS**  
 NOT TO SCALE



**9 BURIED DOWNSPOUT SECTION**  
 NOT TO SCALE

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