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# PROJECT MANUAL

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## **Aberdeen Park Pickleball and Tennis Court Renovation**

**For The**

**Belvidere Park District**

**Belvidere – Boone County, Illinois**



# **Aberdeen Park Pickleball and Tennis Court Renovation**

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# Aberdeen Park Pickleball and Tennis Court Renovation

Belvidere Park District  
Belvidere – Boone Co. Illinois

## INVITATION TO BID INFORMATION and INSTRUCTION FOR BIDDERS

### 1. Receipt and Opening Bids

The Belvidere Park District, (herein called the "Owner") invites bids on the form attached hereto. All blanks must be appropriately filled in. Bids will be received by the Belvidere Park District, 1006 W. Lincoln Ave., Belvidere, IL 61008 by 10:00 A.M., Thursday, February 27, 2025, then at 10:01 A.M., February 27, 2025, the bids will be publicly opened and read aloud. The envelopes containing the bids must be sealed, addressed to Belvidere Park District, 1006 W. Lincoln Ave., Belvidere, IL 61008 and designated as a bid for: **Aberdeen Park Pickleball and Tennis Court Renovation.**

### 2. Description of Work

The project will consist of limited asphalt, fence, vegetation, tennis equipment, and miscellaneous removals; reshaping of existing aggregate base, grading, installation of aggregate base, HMA surface, chain link fence, painted surface, striping, tennis and pickleball equipment, turf restoration, and all related work in accordance with the construction plans at **Aberdeen Park Pickleball and Tennis Court Renovation**, Belvidere Park District located at 1417 Orth Road, Belvidere, IL 61008.

Any or all materials that need to be removed shall become the property of the contractor and shall be his responsibility to legally (dispose) remove from site.

The Contractor shall verify all project limits and identify himself with the full scope of the plans, materials, and other conditions affecting the work before proceeding with the duties of the work. Please note that this bid will be awarded on a lump sum basis, and individual units will not be measured for payment. Individual unit prices provided shall be used by the owner to increase the scope of the project if, in the Owner's opinion, he has identified additional work areas in proximity of the project limits that he would desire to have included during the project.

### 3. Owner

**Belvidere Park District**  
Jen Jacky – Executive Director  
1006 W. Lincoln Ave., Belvidere, IL 61008

### 4. Documents & Questions

The full set of PDF construction drawings will be available by email. Owner contact: Jen Jacky, Director - [jjacky@belviderepark.org](mailto:jjacky@belviderepark.org) or by phone at (815) 547-5711 Ext. 100. Or Tony Williams, Superintendent - [twilliams@belviderepark.org](mailto:twilliams@belviderepark.org) or by phone at (815) 547-5711 Ext. 300.

Alternatively, the engineering consultant, Arc Design Resources, Inc. may also be contacted for questions: Matt Adas (779) 256-0005, or email at [madas@arcdesign.com](mailto:madas@arcdesign.com).

## **5. Pre-bid Meeting**

No pre-bid meeting is scheduled. Bidders are encouraged to visit the site, familiarize themselves with the plans and site conditions, and/or ask questions prior to preparing and submitting their bid.

The project site is located at Aberdeen Park - 1417 Orth Road, Belvidere, IL 61008. The site is open and available for inspection during normal daylight and business hours, typically 9:00 am - 4:00 pm, or by appointment as necessary.

A topographic survey of the project area has been completed for this project and is incorporated into the design plans. Geotechnical or soil testing has not been completed. Several pavement cores have been taken and have provided basis for the pavement design. Any additional testing, survey, or construction staking as the bidder/contractor deems necessary will need to cover this cost if they deem necessary.

## **6. Preparation of Bid**

Each bid must be submitted on the prescribed form(s). All blank spaces for bid prices must be filled in pen ink, typewritten or omitted. The bid must be submitted in a sealed envelope bearing on the outside the name of the bidder, business address, and the name of the project for which the bid is submitted, **Aberdeen Park Pickleball and Tennis Court Renovation** - Belvidere Park District. If forwarded by mail, the sealed envelope containing the bid forms must be enclosed in another envelope addressed as specified above and must be received prior to the bid due date and time.

**Bids are due no later than 10:00 A.M., Thursday, February 27, 2025.** The Contractor assumes full responsibility for his bid submittal being received on time and no later than the bid due date at the specified location. The Owner assumes no responsibility for the delivery of bids by any courier service, FedEx, UPS delivery, U.S. mail delivery or any other method of bid submittal. **ABSOLUTELY NO LATE BIDS WILL BE ACCEPTED.**

No bids may be withdrawn after the official opening. All bids submitted must be valid for a minimum of ninety (90) days after the official opening.

## **7. Bid Addendum**

Any formal bid questions or clarifications to be addressed must be received by end of business on Thursday, February 20, 2025, to be included in a formal addendum. A formal addendum (if required) would be issued by end of business on Friday, February 21, 2025, via email to all bidders.

## **8. Qualifications of Bidders**

The Owner may make such investigations as he deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any or all bids for any cause or if the evidence submitted by, or investigation of, bidder(s) fails to satisfy the Owner that such bidders or bid(s) is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein. Conditional bids will not be accepted.

The bidder shall bear all the costs associated with the preparation and submission of their bid submittal and the Belvidere Park District shall not be responsible or liable for any costs, regardless of the conduct or outcome of this bid solicitation.

## **9. Bid Security**

Bids must be accompanied by a bank's cashier check, certified check or check of the bidder, or a standard bid bond, duly executed by the bidder as principal and having a surety thereon, a surety company approved by the Owner, in the amount of five percent (5%) of their bid.

#### **10. Addition/ Deletion of Quantities or Pricing Selection**

Before being awarded and after the contract is bid, the Owner may elect and reserves the right to add or delete quantities, as necessary, to meet the budget available for this project. Estimated project budget(s) will not be published or provided. The owner reserves the right to cancel purchase orders if delivery of equipment, products or services are not complete within one-hundred and twenty (120) days after issuance of contract.

The Owner also reserves the right to cancel or reject any or all prices, quantities, or bids submitted at any time for any reason.

#### **11. Errors and Omissions**

Should a mistake be discovered upon reading of the bids at the public opening, it shall be reserved for the Belvidere Park District to determine if the mistake was made by the Owner or the bidder. It is further provided that the Owner, after this determination, shall make the decision as to acceptability or rejection of the bid or quantity provided. This decision shall be final and not subject to recourse. No advantages shall be provided or taken by either party of manifest clerical errors or omissions in the specifications. All bidders are requested to notify the Belvidere Park District immediately of any errors or omissions that may be encountered.

#### **12. Awarding of Bid**

The award of the successful bidder will be made to the lowest responsible bidder complying with the conditions and specifications of the project. The lowest responsible bidder is determined not only by price, but also the quality of product and service, past experience with the same/similar products, services offered, warranties, costs, delivery, and similar such items as judged by the Belvidere Park District.

Bids that are submitted taking exception to the project specifications or with exclusions, qualifications, or caveats shall be deemed non-compliant to the project specifications and will be subject to rejection by the Owner.

The project will be awarded at a regularly scheduled Belvidere Park District Board meeting expected to be held at 5:00 p.m., February 11, 2025.

#### **13. Liquidated Damages for Failure to Enter Into Contract**

The successful bidder, upon his failure or refusal to execute and deliver the contract and bonds required within twenty (20) days after he has received notice of the acceptance of his bid, shall forfeit to the Owner, as liquidated damages for such failure or refusal the bid security deposited with his bid, as deemed necessary by the Owner.

#### **14. Construction Schedule**

The work required under this contract, including but not limited to all construction, restoration, and clean up shall be fully **completed within one-hundred and twenty (120) working days** of notice to proceed.

The Contractor shall not knowingly commence operations on the site or elsewhere prior to the effective date of insurance required to be furnished by the Contractor. The date of commencement of the work shall not be changed by the effective date of such insurance.

#### **15. Liquidated Damages for Failure to Perform Work**

Simultaneously with the delivery of the executed contract, and not more than thirty (30) days after the Belvidere Park District issues and award notification, the successful bidder must furnish a 100% Performance and Payment bond for an public work or any kind costing over \$50,000.00,

issued by a duly authorized Surety Company authorized to do business in the State of Illinois, and satisfactory to Owner and pursuant to The Public Construction Bond Act 098-0216, (30 ILCS 550/1) (from Ch. 29, par. 15).

The laws of the State of Illinois shall govern the contract awarded to the successful bidder.

The place of the contract will be the County of Boone, State of Illinois, whose courts, on the event of a dispute, shall have jurisdiction over the parties.

The bidder who is awarded contract shall comply with all laws of the United States of America, the State of Illinois, and the county or city/village in which the work is to be performed.

The bidder, upon his failure or refusal to execute and deliver satisfactory work, substantial progress, or completion of the work as required within the one-hundred and twenty (120) days after executing the contract, he shall forfeit to the Owner, as liquidated damages for such failure or refusal the security performance bond deposited with his contract, as deemed necessary by the Owner.

#### **16. Conditions of Work**

Each bidder must inform himself fully of the unique site conditions relating to the project, each specific phase of work and construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligations to furnish all material and labor necessary to carry out the provisions of his contract. Insofar as possible, the Contractor in carrying out his work must employ such methods or means as will not cause any interruption of or interference with the work of any other Contractor. Contractors are expected to comply with all applicable work and public safety regulations, construction procedures and practices, and coordination of specific work phases and duties with the owner and other sub-contractors and consultants.

#### **17. Construction Permits**

Any or all required permits and fees for the project shall be the responsibility of the Contractor and shall be satisfactorily obtained by the Contractor so as not to cause any delay to the project. Copies of all required and executed permits shall be forwarded to the Owner and engineer for their records. **Permits are not expected to be required for this project.**

#### **18. Payments and Lien Wavers**

Payments will be made to the Contractor on the basis of submitted certified pay estimates and/or after review of completion and approval by the Owner and/or engineer. Lien waivers will be required from the Contractor before final contract payments will be made by the Owner. Ten percent (10%) retainage will be withheld from each progress pay estimate due to the Contractor. The final pay estimate will not hold back a retainage.

#### **19. Contract and Contract Bond**

A Contract and Contract Bond forms will be coordinated and provided to the successful winning bidder. The successful bidder shall execute the Contract and furnish the Contract and Performance Bond within twenty (20) days of receipt of Notice of Award of the Contract for the parts awarded to the bidder.

#### **20. Laws and Regulations**

The bidder's attention is directed to the fact that all applicable state laws, county ordinances, pay laws, and the rules and regulations of all applicable authorized agencies having jurisdiction over construction of the project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein, written out in full.

## **21. Obligations of the Bidder**

At the time of the opening of bids, each bidder will be presumed to have read and to be thoroughly familiar with the plans, details, specifications, materials, construction, insurance requirements, and contract documents. The failure or omission of any bidder to examine any form, instrument, or document shall in no way relieve any bidder from any obligation in respect to his bid.

## **22. Prevailing Wages**

The Contractor shall be required to pay the current prevailing wage rates as established in Boone County or the State of Illinois at the time of bid posting. The Owner shall receive from the Contractor a copy of the monthly certified payroll wage statements as paid by the Contractor.

In addition, fifty percent of the labor hours for this project must be performed by actual residents of the State of Illinois (20 ILCS 805/805-350).

## **23. Schedule of Values**

The Contractor shall submit a sworn statement of the person's furnishing materials and labor before any payments are required to be made to the Contractor or to his order. Prior to the commencement of the work, the Contractor shall deliver to the Owner a Contractor's sworn statement duly executed and acknowledged listing all Subcontractors together with a similar sworn statement of each Subcontractor and, where applicable, from secondary Subcontractors.

## **24. Taxes**

The Owner is exempt from all applicable Illinois state, municipal, county Retailers Occupation Tax, Service Occupation Tax, and Service Use Tax as described in Illinois Compiled Statute Chapter 35. Bid prices shall **not have tax included** in the contract amount.

## **25. Insurance Requirements**

Insurance requirements, as stated within this proposal, shall be purchased, and maintained by the Contractor.

Owner's Protective Insurance shall be purchased and maintained and shall name the OWNER, ITS OFFICERS AND EMPLOYEES and the ENGINEER, ITS OFFICERS AND EMPLOYEES as an additional insured.

If an accident occurs during the course of the construction, and the Owner or Engineer is named as an additional defendant in any resulting litigation, the Contractor shall notify the Owner and the Engineer. The Owner and Engineer, as named insured's, will "tender the defense" of the claim to the Contractor's insurance company for coverage within the limits of the policy's liability.

As part of the contract between the Owner and Contractor the below insurance requirements must be met by the Contractor. The insurance coverage required above shall be of sufficient type, scope, and duration to ensure coverage for Owner for liability related to any manifestation date within the applicable statutes of limitation and/or repose which pertain to any work performed by or on behalf of Owner in relation to the contract. The following insurance requirements shall apply to the successful firm for the duration of the contract unless explicitly waived by the Owner:

**23.1 Commercial General Liability.** The coverage available to Owner, as Additional Insured, shall not be less than \$1 million each occurrence, \$2 million general aggregate (subject to a per project general aggregate provision applicable to the project), \$2 million products/completed operations aggregate and \$1 million personal and advertising injury limits. Such insurance shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract (including the tort liability of another assumed in a business contract).

**23.2 Umbrella Liability.** The coverage available to Owner, as Additional Insured, shall not be less than \$2 million each occurrence, \$2 million general aggregate. Such insurance shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract (including the tort liability of another assumed in a business contract).

**23.3 Automobile Coverage.** The coverage available to Owner, as Additional Insured, shall include comprehensive automobile bodily injury and property damage liability coverage for a minimum amount of \$1 million each occurrence, \$2 million general aggregate.

**23.4 Workers Compensation.** Contractor shall maintain during the life of this contract statutory workmen's compensation and employer's liability insurance for all his employees engaged in work on the job site.

**23.5 Insurance Certificates.** Each Certificate of insurance shall provide that the insurer must give Owner at least 30 days' prior written notice of cancellation and termination of Owner's coverage thereunder. Not less than two weeks prior to the expiration, cancellation, or termination of any such policy, the vendor shall supply Owner with a new and replacement Certificate of Insurance and Additional Insured endorsement as proof of renewal of said original policy. Said new and replacement endorsements shall be similarly endorsed in favor of Owner as set forth above. All subcontractors to be utilized by the Contractor shall provide Ownership with a Certificate of Insurance naming Owner as additional insured prior to commencement of work by said subcontractor.

## BID SUMMARY FORM

### A. Base Bid – Aberdeen Pickleball and Tennis Court Renovation

1. The Bidder agrees to perform all work including General and Site Construction as indicated in the plans for the following total sum:

**Base Bid Total** \$ \_\_\_\_\_ **Lump Sum**

### B. Unit Pricing

1. The following Unit Price is provided for Undercut (Complete) as defined in the project specifications, with limits to be agreed between all parties prior to work commencing:

**Undercut (Complete)** \$ \_\_\_\_\_ **Per Cubic Yard**

2. The following Unit Price is provided for HMA Asphalt (Complete) as defined in the project specifications:

**HMA Asphalt (Complete)** \$ \_\_\_\_\_ **Per Ton**

3. The following Unit Price is provided for 4' Height Chain Link Fence (Complete) as defined in the project specifications:

**4' Height Chain Link Fence (Complete)** \$ \_\_\_\_\_ **Per Linear Foot**

4. The following Unit Price is provided for 10' Height Chain Link Fence (Complete) as defined in the project specifications:

**10' Height Chain Link Fence (Complete)** \$ \_\_\_\_\_ **Per Linear Foot**

### STATEMENT OF UNDERSTANDING:

Having carefully examined the site of the proposed work; being fully informed of the conditions to be met in the prosecution and completion of this work; having read and examined the contract documents and drawings applicable to this work; agreeing to be bound accordingly; the undersigned proposes to furnish all necessary labor, materials and equipment to complete the construction indicated on the drawings and described in the specifications to include all described incidentals and complete project completion for the Lump sum price listed. The OWNER is tax exempt, CONTRACTOR's bid price shall NOT include any taxes.

### ADDENDA ACKNOWLEDGMENT:

IF ADDENDA REQUIRED: We have procured and examined the written addenda issued prior to bidding. These addenda are numbered \_\_\_\_\_. We further understand that failure to fully list the numbers of all published addenda may be cause for the OWNER to reject this bid.

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

\_\_\_\_\_  
Signature of Authorized Representative

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

## **CONTRACTOR COMPLIANCE AND CERTIFICATIONS ATTACHMENT**

**Note: The following certifications form an integral part of the Agreement between the Belvidere Park District (herein referred to as "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. Current prevailing rates of wages are available on the Illinois Department of Labor or Winnebago County, IL websites. 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. Contractor shall provide notice to any and all of its sub-contractors that this project is subject to the provisions of the Prevailing Wage 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 only 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 Belvidere Park District designated Freedom of Information Act Officer (FOIA Officer), Contractor shall within two (2) business days of said request, turn over to the FOIA Officer any record in the possession of the Contractor that is deemed a public record under FOIA.

## SUBSTANCE ABUSE PREVENTION PROGRAM CERTIFICATION

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

A. The Contractor / Subcontractor **[circle one]** (or multiple sheets, one for each contractor or subcontractor as needed) has in place for all of its employees not covered by a collective bargaining agreement that deals with the subject of the Substance Abuse Prevention on Public Works Projects Act a written substance abuse prevention program, a true and correct copy of which is attached to this certification, and/or 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)

\_\_\_\_\_  
Signature of Authorized Representative

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

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)

\_\_\_\_\_  
Signature of Authorized Representative

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

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 the executed documents are true and correct for the foregoing instrument as his/her free act and deed and as the act and deed of the Contractor.

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Date \_\_\_\_\_

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(Notary Public)

(SEAL)

## Boone County Prevailing Wage Rates posted on 1/15/2025

						Overtime										
Trade Title	Rg	Type	C	Base	Foreman	M-F	Sa	Su	Hol	H/W	Pension	Vac	Trng	Other Ins	Add OT 1.5x owed	Add OT 2.0x owed
ASBESTOS ABT-GEN	All	ALL		50.15	51.15	1.5	1.5	2.0	2.0	15.53	19.10	0.00	0.91		0.00	0.00
ASBESTOS ABT-MEC	All	BLD		40.68	44.75	1.5	1.5	2.0	2.0	12.60	22.42	0.00	0.58		0.00	0.00
BOILERMAKER	All	BLD		55.76	60.77	2.0	2.0	2.0	2.0	6.97	26.44	0.00	3.34	1.95	0.00	38.26
BRICK MASON	All	BLD		49.00	51.75	1.5	1.5	2.0	2.0	14.45	18.75	0.00	1.32	0.00	0.00	0.00
CARPENTER	All	BLD		45.00	49.95	1.5	1.5	2.0	2.0	13.21	22.00	0.00	0.82	0.00	0.00	0.00
CARPENTER	All	HWY		50.00	51.75	1.5	1.5	2.0	2.0	12.90	21.00	0.00	0.82	0.00	0.00	0.00
CEMENT MASON	All	ALL		42.60	45.35	1.5	1.5	2.0	2.0	13.65	23.08	0.00	0.80	0.00	0.00	0.00
CERAMIC TILE FINISHER	All	BLD		39.83		1.5	1.5	2.0	2.0	12.20	12.72	0.00	1.16		0.00	0.00
COMMUNICATION TECHNICIAN	All	BLD		48.00	52.80	1.5	1.5	2.0	2.0	17.79	18.63	0.00	0.96		0.00	0.00
ELECTRIC PWR EQMT OP	All	ALL		50.82	69.34	1.5	1.5	2.0	2.0	7.25	14.22	0.00	1.52	1.52	8.63	17.26
ELECTRIC PWR GRNDMAN	All	ALL		39.04	69.34	1.5	1.5	2.0	2.0	7.25	10.93	0.00	1.17	1.17	6.63	13.27
ELECTRIC PWR LINEMAN	All	ALL		61.09	69.34	1.5	1.5	2.0	2.0	7.25	17.10	0.00	1.83	1.83	10.38	20.76
ELECTRIC PWR TRK DRV	All	ALL		40.46	69.34	1.5	1.5	2.0	2.0	7.25	11.33	0.00	1.21	1.21	6.87	13.75
ELECTRICIAN	All	BLD		58.00	63.80	1.5	1.5	2.0	2.0	17.79	23.53	0.00	1.16		0.00	0.00
ELEVATOR CONSTRUCTOR	All	BLD		62.51	70.32	2.0	2.0	2.0	2.0	16.17	20.96	5.00	0.75		0.00	0.00
FENCE ERECTOR	All	ALL		42.45	47.54	1.5	1.5	2.0	2.0	13.21	28.62	0.00	1.80	0.00	0.00	0.00
GLAZIER	All	BLD		46.73	48.73	1.5	1.5	1.5	2.0	15.15	10.85	0.00	1.25	0.00	0.00	0.00
HEAT/FROST INSULATOR	All	BLD		40.68	44.75	1.5	1.5	2.0	2.0	12.60	22.42	0.00	0.58		0.00	0.00
IRON WORKER	All	ALL		46.59	52.18	2.0	2.0	2.0	2.0	13.21	33.79	0.00	1.80	0.00	0.00	0.00
LABORER	All	ALL		50.15	50.90	1.5	1.5	2.0	2.0	15.53	19.10	0.00	0.91		0.00	0.00
LATHER	All	BLD		45.00	49.95	1.5	1.5	2.0	2.0	13.21	22.00	0.00	0.82	0.00	0.00	0.00
MACHINIST	All	BLD		58.39	62.39	1.5	1.5	2.0	2.0	9.93	8.95	1.85	1.47		0.00	0.00
MARBLE FINISHER	All	BLD		39.83		1.5	1.5	2.0	2.0	12.20	12.72	0.00	1.16		0.00	0.00
MARBLE MASON	All	BLD		43.48	45.98	1.5	1.5	2.0	2.0	12.20	14.06	0.00	1.21		0.00	0.00
MATERIAL TESTER I	All	ALL		40.15		1.5	1.5	2.0	2.0	15.53	19.10	0.00	0.91		0.00	0.00
MATERIALS TESTER II	All	ALL		45.15		1.5	1.5	2.0	2.0	15.53	19.10	0.00	0.91		0.00	0.00

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MILLWRIGHT	All	BLD		50.00	55.00	1.5	1.5	2.0	2.0	12.20	18.41	0.00	0.82	0.00	0.00	0.00
OPERATING ENGINEER	All	BLD	1	52.55	56.55	2.0	2.0	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	BLD	2	51.85	56.55	2.0	2.0	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	BLD	3	49.40	56.55	2.0	2.0	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	BLD	4	47.40	56.55	2.0	2.0	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	BLD	5	56.30	56.55	2.0	2.0	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	BLD	6	55.55	56.55	2.0	2.0	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	BLD	7	52.55	56.55	2.0	2.0	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	FLT		50.50	50.50	1.5	1.5	2.0	2.0	23.95	21.40	2.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	HWY	1	52.40	56.40	1.5	1.5	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	HWY	2	51.85	56.40	1.5	1.5	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	HWY	3	50.55	56.40	1.5	1.5	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	HWY	4	49.10	56.40	1.5	1.5	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	HWY	5	47.65	56.40	1.5	1.5	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	HWY	6	55.40	56.40	1.5	1.5	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
OPERATING ENGINEER	All	HWY	7	53.40	56.40	1.5	1.5	2.0	2.0	23.95	19.70	3.00	2.85	0.00	0.00	0.00
PAINTER	All	ALL		45.15	47.15	1.5	1.5	1.5	2.0	14.85	13.16	0.00	1.40	0.00	0.00	0.00
PAINTER - SIGNS	All	BLD		45.49	51.09	1.5	1.5	2.0	2.0	8.20	16.81	0.00	0.00	0.00	0.00	0.00
PILEDRIIVER	All	BLD		46.00	51.06	1.5	1.5	2.0	2.0	13.21	22.00	0.00	0.82	0.00	0.00	0.00
PILEDRIIVER	All	HWY		51.00	52.75	1.5	1.5	2.0	2.0	12.90	21.00	0.00	0.82	0.00	0.00	0.00
PIPEFITTER	All	BLD		54.40	58.21	1.5	1.5	2.0	2.0	13.47	14.20	0.00	2.35	0.00	0.00	0.00
PLASTERER	All	BLD		39.47	43.42	1.5	1.5	2.0	2.0	13.50	24.50	0.00	0.80	0.00	0.00	0.00
PLUMBER	All	BLD		54.40	58.21	1.5	1.5	2.0	2.0	13.47	14.20	0.00	2.35	0.00	0.00	0.00
ROOFER	All	BLD		50.25	55.25	1.5	1.5	2.0	2.0	11.98	17.34	0.00	1.11	0.00	0.00	0.00
SHEETMETAL WORKER	All	BLD		52.14	61.41	1.5	1.5	2.0	2.0	10.70	23.56	0.00	1.42	1.80	17.75	35.51
SPRINKLER FITTER	All	BLD		47.09	50.09	1.5	1.5	2.0	2.0	11.45	14.92	0.00	0.52		0.00	0.00
STONE MASON	All	BLD		49.00	51.75	1.5	1.5	2.0	2.0	14.45	18.75	0.00	1.32	0.00	0.00	0.00
SURVEY WORKER	All	BLD		50.15	50.90	1.5	1.5	2.0	2.0	15.53	19.10	0.00	0.91		0.00	0.00
SURVEY WORKER	All	HWY		50.15	50.90	1.5	1.5	2.0	2.0	15.53	19.10	0.00	0.91		0.00	0.00
TERRAZZO FINISHER	All	BLD		39.83		1.5	1.5	2.0	2.0	12.20	12.72	0.00	1.16		0.00	0.00

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TERRAZZO MASON	All	BLD		43.48	45.98	1.5	1.5	2.0	2.0	12.20	14.06	0.00	1.21		0.00	0.00
TILE LAYER	All	BLD		45.00	49.95	1.5	1.5	2.0	2.0	13.21	22.00	0.00	0.82	0.00	0.00	0.00
TILE MASON	All	BLD		43.48	45.98	1.5	1.5	2.0	2.0	12.20	14.06	0.00	1.21		0.00	0.00
TRUCK DRIVER	All	ALL	1	45.47		1.5	1.5	2.0	2.0	12.20	13.30	0.00	0.20	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	2	45.62		1.5	1.5	2.0	2.0	12.20	13.30	0.00	0.20	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	3	45.82		1.5	1.5	2.0	2.0	12.20	13.30	0.00	0.20	0.00	0.00	0.00
TRUCK DRIVER	All	ALL	4	45.93		1.5	1.5	2.0	2.0	12.20	13.30	0.00	0.20	0.00	0.00	0.00
TUCK POINTER	All	BLD		49.00	51.75	1.5	1.5	2.0	2.0	14.45	18.75	0.00	1.32	0.00	0.00	0.00

### Legend

**Rg** Region

**Type** Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

**C** Class

**Base** Base Wage Rate

**OT M-F** Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

**OT Sa** Overtime pay required for every hour worked on Saturdays

**OT Su** Overtime pay required for every hour worked on Sundays

**OT Hol** Overtime pay required for every hour worked on Holidays

**H/W** Health/Welfare benefit

**Vac** Vacation

**Trng** Training

**Other Ins** Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

### Explanations BOONE COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

### EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

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ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

### **CERAMIC TILE FINISHER, MARBLE FINISHER, TERRAZZO FINISHER**

Assisting, helping or supporting the tile, marble and terrazzo mechanic by performing their historic and traditional work assignments required to complete the proper installation of the work covered by said crafts. The term "Ceramic" is used for naming the classification only and is in no way a limitation of the product handled. Ceramic takes into consideration most hard tiles.

### **COMMUNICATION TECHNICIAN**

Installing, manufacturing, assembling and maintaining sound and intercom, protection alarm (security), fire alarm, master antenna television, closed circuit television, low voltage control for computers and/or door monitoring, school communications systems, telephones and servicing of nurse and emergency calls, and the installation and maintenance of transmit and receive antennas, transmitters, receivers, and associated apparatus which operates in conjunction with above systems. All work associated with these system installations will be included EXCEPT the installation of protective metallic conduit in new construction projects (excluding less than ten-foot runs strictly for protection of cable) and 120 volt AC (or higher) power wiring and associated hardware.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

### **OPERATING ENGINEERS - BUILDING**

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver (over 27E cu. ft.): Concrete Paver (27 cu. ft. and under); Concrete Placer; Concrete Pump (Truck Mounted); Concrete Conveyor (Truck Mounted); Concrete Tower; Cranes, All; GCI and similar types (required two operators only); Cranes, Hammerhead; Creter Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, one, two and three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment - excluding hose work and any sewer work); Locomotives, All; Lubrication Technician; Manipulators; Motor Patrol; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Raised and Blind Hole Drill; Rock Drill (self-propelled); Rock Drill - Truck Mounted; Roto Mill Grinder; Scoops - Tractor Drawn; Slipform Paver; Scrapers Prime Movers; Straddle Buggies; Tie Back Machine; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Bobcat (over 3/4 cu. yd.); Boilers; Brick Forklift; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and

## **Boone County Prevailing Wage Rates posted on 1/15/2025**

Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Asphalt Spreader; Combination - Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators - (Rheostat Manual Controlled); Hydraulic Power Units (Pile Driving, Extracting, or Drilling - with a seat); Lowboys; Pumps, Over 3" (1 to 3 not to exceed total of 300 ft.); Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches; Bobcat (up to and including 3/4 cu. yd.).

Class 4. Elevator push button with automatic doors; Hoists, Inside; Oilers; Brick Forklift.

Class 5. Assistant Craft Foreman

Class 6. Mechanics; Welders.

Class 7. Gradall

### **OPERATING ENGINEERS - HIGHWAY CONSTRUCTION**

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Silo Tender; Asphalt Spreader; Autograder; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Backhoe w/shear attachments; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower of all types; Creter Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Directional Boring Machine over 12"; Dredges; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Mounted; Hoists, One, Two and Three Drum; Hydraulic Backhoes; Hydro Vac, Self Propelled, Truck Mounted (excluding hose work and any sewer work); Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; GCI Crane; Hydraulic Telescoping Form (Tunnel); Tie Back Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader with attached pusher; Tractor with Boom; Tractaire with Attachments; Traffic Barrier Conveyor Machine; Raised or Blind Hole Drills; Trenching Machine (over 12"); Truck Mounted Concrete Pump with Boom; Truck Mounted Concrete Conveyor; Work Boat (no license required - 90 h.p. or above); Underground Boring and/or Mining Machines; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw (large self-propelled - excluding walk-behinds and hand-held); Conveyor Muck Cars (Haglund or Similar Type); Drills, all; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro Blaster; All Locomotives, Dinky; Off-Road Hauling Units; Non-Self Loading Dump;

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Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Scoops - Tractor Drawn; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper; Scraper - Prime Mover in Tandem (Regardless of Size); Tank Car Heater; Tractors, Push, Pulling Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Fireman on Boilers; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper - Form - Motor Driven.

Class 4. Air Compressor - Small and Large; Asphalt Spreader, Backend Man; Bobcat (Skid Steer) all; Brick Forklift; Combination - Small Equipment Operator; Directional Boring Machine up to 12"; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Hydro-Blaster; Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Tractaire; Trencher 12" and under; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. Oilers and Directional Boring Machine Locator.

Class 6. Field Mechanics and Field Welders

Class 7. Gradall and machines of like nature.

### **OPERATING ENGINEERS - FLOATING**

Diver. Diver Wet Tender, Diver Tender, ROV Pilot, ROV Tender

### **SURVEY WORKER**

Operates survey equipment (such as levels, transits, data collectors, GPS and robotic total stations) for the purpose of performing construction layout and/or grade checking.

### **SURVEY FOREMAN**

Operates survey equipment (such as levels, transits, data collectors, GPS and robotic total stations) for the purpose of performing construction layout and/or grade checking; oversees survey crew operations; and/or coordinates work of survey crews.

### **TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION**

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-

## **Boone County Prevailing Wage Rates posted on 1/15/2025**

man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turntrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

### **Other Classifications of Work:**

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

### **LANDSCAPING**

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

### **MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II**

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

## **GENERAL PROVISIONS**

1. Accident Prevention and Safety Measures: The Contractor shall comply with OSHA Part 1926, Construction Standards and Interpretations in effect on the date of issuance of the invitation for bids and with the Soil Conservation Supplement to OSHA Part 1926.
2. Performance of work by Contractor: The Contractor shall perform on the site, and with his own organization, work equivalent to at least fifty percent (50%) of the total amount of work to be performed under the Contract. If, during the progress of the work hereunder, the Contractor requests a reduction of such percentage and the Owner determines that it would be to the advantage of the Owner, the percentage of work required to be performed by the Contractor may be reduced with the written approval of the Owner.
3. Superintendence by Contractor: Except where the Contractor is an individual and gives his personal superintendence to the work, the Contractor shall provide a competent superintendent, satisfactory to the Owner and the Engineer, to be present on the work site at all times during working hours with full authority to act on the Contractor's behalf. All agreements, change orders, etc. agreed to by the Superintendent shall be final. In the event the Contractor fails to have a Superintendent on the job, he shall accept, as final, all quantities for payment as determined by the Engineer, and the Contractor shall waive all rights of recourse with the Owner and/or the Engineer. The Contractor shall also provide adequate staff for the proper coordination and expediting of his work.
4. Staking & Execution: The Contractor shall either hire Arc Design Resources, Inc for staking or lay out his own work and he shall be responsible for all work executed by him under the Contract. He shall verify all figures and elevations before proceeding with the work and will be held responsible for any error resulting from his failure to do so.
5. Final Payment: After final inspection and acceptance by Owner of all work under the Contract, the Contractor shall prepare his requisition for final payment which shall be based upon the carefully measured or computed quantity of each item of work at the applicable unit prices stipulated in this Agreement. The total amount of the final payment due the Contractor under this contract shall be the amount computed as described above less all previous payments. Final payments to the Contractor shall be made subject to his furnishing the Owner with a release in satisfactory form of all claims against the Owner arising under any by virtue of this Contract.

The Owner, before paying the final estimate, will require the Contractor to furnish releases or receipts from all subcontractors having performed any work and all persons having supplied materials, equipment (installed on the Project) and services to the Contractor. The Owner, however, may if it deems such action advisable make payment in part or in full to the Contractor without requiring the furnishing of such releases or receipts and any payments so made shall in no way impair the obligations of any surety or sureties furnished under this Contract.

Withholding of any amount due the Owner under "Liquidated Damages" shall be deducted from the final payment due the Contractor.

6. Technical Specifications and Drawings: Specifications are contained in the notes on plans. Anything mentioned in the Technical Specifications and not shown on the Drawings or shown on the Drawings and not mentioned in the Technical Specifications shall be of like effect as shown on or mentioned in both. In case of difference between Drawings and Technical Specifications, the

Technical Specifications shall govern. In case of any discrepancy in Drawings, or Technical Specifications, the matter shall be immediately submitted to the Owner, without whose decision, said discrepancy shall not be adjusted by the Contractor, save only at his own risk and expense.

7. Shop Drawings: All required shop drawings, machinery details, layout drawings, etc., shall be submitted to the Owner for approval sufficiently in advance of requirements to afford ample time for checking, including time of correcting, resubmitting, and rechecking if necessary. The Contractor may proceed, only at his own risk, with manufacture or installation of any equipment or work covered by said shop drawings, etc. until they are approved and no claim, by the Contractor, for extension of the contract time shall be granted by reason of his failure in this respect.

Any drawings submitted without the Contractor's stamp of approval will not be considered and will be returned to him for proper resubmission. If any drawings show variations from the requirements of the Contract because of standard shop practice or other reason, the Contractor shall make specific mention of such variation in his letter of transmittal in order that, if acceptable, suitable action may be taken for proper adjustment of contract price and/or time, otherwise the Contractor shall not be relieved of the responsibility for executing the work in accordance with the Contract even though the drawings have been approved.

If the shop drawing is in accord with the Contract or involves only a minor adjustment in the interest of the Owner not involving a change in contract price or time, the Engineer may approve the drawing. The approval shall be general, shall not relieve the Contractor from his responsibility for adherence to the Contract or for any error in the drawing, and shall contain in substance the following:

"The modification shown on the attached drawing is approve in the interest of the Owner to effect an improvement for the Project and is ordered with the understanding that it does not involve any change in the Contract price or time; that it is subject generally to all Contract stipulation and covenants; and that it is without prejudice to any and all rights of the Owner under the Contract and surety bond or bonds."

8. Materials and Workmanship: Unless otherwise specifically provided for in the Technical Specifications, all workmanship, equipment, materials, and articles incorporated in the work shall be new and the best grade of the respective kinds for the purpose. Where equipment, materials, articles or workmanship are referred to in the Technical Specifications as "equal to" any particular standard, the Engineer shall decide the question of equality. The Contractor shall furnish to the Owner for approval the manufacturer's detailed specifications for all machinery, mechanical and other special equipment, which he contemplates installing together with full information as to type, performance characteristics, and all other pertinent information concerning all other materials or articles which he proposes to incorporate in the work.

Machinery, mechanical and other equipment, materials, or articles installed or used without such prior approval shall be at the risk of subsequent rejection.

Materials specified by reference to the number or symbol of a specific standard, such as an A.S.T.M. Standard, a Federal Specification or other similar standard, shall comply with requirements in the latest revision thereof any amendment or supplement thereto in effect on the date of the Invitation for Bids, except as limited to type, class, or grade, or modified in such reference. The

standards referred to, except as modified in the Technical Specifications shall have full force and effect as though printed herein.

The Owner may require the Contractor to dismiss from the work such employee or employees as the Owner or the Engineer may deem incompetent, or careless, or subordinate.

Should the Contractor fail to observe the foregoing provisions and proceed with the construction and/or install any utility at variance with any applicable ordinance or code, including any written waivers (notwithstanding the fact that such installation is in compliance with the Drawings and Technical Specifications), the Contractor shall remove such work without cost to the Owner, or a Change Order will be issued to cover only the excess cost the Contractor would have been entitled to receive if the change had been made before the Contractor commenced on the items involved.

The Contractor shall, at his own expense, secure and pay to the appropriate department of the Local Government the fees or charges for all permits for street pavement, sidewalks, sheds, removal of abandoned water taps, sealing of house connection drains, pavement cuts, buildings, electrical, plumbing, water, gas, and sewer or any other items that may require permits by the local, regional, or State regulatory body or any of its agencies.

The Contractor shall comply with applicable local laws and ordinances governing the legal removal and disposal of surplus excavation, materials, debris, and rubbish on or off the "Project Area(s)" and commit no trespass on any public or private property in any operation due to or connected with the Improvements embraced in this Contract.

9. Care of Work: The Contractor shall be responsible for all damages to person or property that occur as a result of his fault or negligence in connection with the prosecution of the work and shall be responsible for the proper care and protection of all materials delivered and work performed until completion and final acceptance, whether or not the same has been covered in whole or in part by payments made by the Owner.

In an emergency affecting the safety of life, limb, or property, including adjoining property, the Contractor, without special instructions or authorization from the Owner, is authorized to act at his discretion to prevent such threatened loss or injury, and he shall so act. He shall, likewise, act if instructed to do so by the Owner. Any compensation claimed by the Contractor on account of such emergency work will be determined by the Owner.

The Contractor shall avoid damage as a result of his operations to existing sidewalks, streets, curbs, pavements, utilities (except those which are to be replaced or removed), adjoining property, signs, traffic signals and wiring, etc., and he shall at his own expense completely repair damage thereto caused by his operations.

10. Accident Prevention: No laborer employed in the performance of this Contractor shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his health or safety as determined under construction safety and health standards promulgated by the Secretary of Labor.

The Contractor shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property, either on or off the site, which occur as a result of his prosecution of the work. The safety provisions of the applicable laws and building and construction codes shall be observed, and the Contractor shall take or cause to be taken such additional safety and health measures as the Owner may determine to be reasonably necessary. Machinery, equipment, and all hazards shall be guarded in accordance with the safety

provisions of the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, Inc. to the extent that such provisions are not in conflict with applicable laws.

The Contractor shall maintain an accurate record of all cases of death, occupational disease, or injury requiring medical attention or causing loss of time from work, arising out of the course of employment on work under the contract. The Contractor shall promptly furnish the Owner with reports concerning these matters.

11. Use of Premises: The Contractor shall confine his equipment, storage of materials, and construction operations to the project Contract Limits as noted or shown on the Drawings and/or as prescribed by ordinances or permits, or as may be desired by the Owner, and shall not unreasonably encumber the site or public rights of way with his materials and construction equipment.

The Contractor shall coordinate and comply with all reasonable instructions of the Owner and all existing state and local regulations regarding signs, advertising, traffic, fires, explosives, danger signals, and barricades.

12. Removal of Debris, Cleaning, etc.: The Contractor shall periodically, or as directed during the progress of the work, remove, and legally dispose of all debris, and keep the Project Area and public rights of way reasonably clear. Upon completion of the work, he shall remove all temporary construction facilities, debris and unused materials provided for the work, and put the whole site of the work and public rights of way in a neat and clean condition. Trash burning on the site of the work is prohibited and will be subject to the Owner and existing State and Local regulations.

13. Inspection: All materials and workmanship shall be subject to inspection, examination, or test by the Owner and the Engineer at any and all times during manufacture or construction and at any and all places where such manufacture or construction is carried on the Owner shall have the right to reject defective material and workmanship or require its correction.

Unacceptable workmanship shall be satisfactorily corrected. Rejected material(s) shall be promptly segregated and removed from the Project Area and replaced with material of specified quality without charge to owner. If the Contractor fails to proceed at once with the correction of rejected workmanship or defective material, the Owner may void the contract or otherwise have the defects remedied or rejected materials removed from the Project Area by another contractor and charge the cost of the same against any monies which may be due to the Contract, without prejudice to any other rights or remedies of the Owner.

The Contractor shall furnish promptly all materials reasonably necessary for any material testing which may be required or requested by the Owner or Engineer. The Contractor shall be responsible for incurring all costs or fees for all tests required or requested by the Owner or Engineer. All testing will be performed in such manner as not to delay the work unnecessarily and will be made in accordance with the provisions of the Technical Specifications.

The Contractor shall notify the Owner sufficiently in advance of backfilling or concealing any facilities to prohibit proper inspection. If any facilities are concealed without approval or consent of the Owner, the Contractor shall uncover for inspection and recover such facilities all at his own expense, when so required by the Owner.

Should it be considered necessary or advisable by the Owner at any time before final acceptance of the entire work to make an examination of work already completed by uncovering the same, the Contractor shall on request promptly furnish all necessary facilities, labor, and material. If

such work is found to be defective in any important or essential respect, due to fault of the Contractor or his subcontractors, the Contractor shall defray all the expenses of such examination and of satisfactory reconstruction.

Inspection of materials and appurtenances to be incorporated in the Improvements embraced in this Contract may be made at the place of production, manufacture or shipment, whenever the quantity justifies it, and such inspection and acceptance unless otherwise stated in the Technical Specifications, shall be final, except as regards (1) latent defects, (2) departures from specific requirements to the Contract, (3) damage or loss in transit, or (4) fraud or such gross mistakes as amount to fraud. Subject to the requirements contained in the preceding sentence, the inspection of materials as a whole or in part will be made at the Project site.

Neither inspection, testing, approval nor acceptance of the work in whole or in part, by the Owner or its agents shall relieve the Contractor or his sureties of full responsibility for materials furnished, or work performed not in strict accordance with the Contract.

14. Final Inspection: When the Improvements embraced in this Contract are substantially complete, the Contractor shall notify the Owner that the work will be ready for final inspection on a definite date which shall be stated in the notice by writing or email. The notice will be given at least ten (10) days prior to the date stated for final inspection and bear the signed concurrence of the representative of the Owner having charge of inspection. If the Owner determines that the status of the Improvements is as represented, it will make the arrangements necessary to have final inspection commenced on the date stated in the notice, or as soon thereafter as is practicable. The inspection party may also include the representatives of each department of the Local Government having jurisdiction or in charge of improvements of like character, when or if such Improvements are later to be accepted by the Local Government.

15. Deduction for Uncorrected Work: If the Owner deems it not expedient to require the Contractor to correct work not done in accordance with the Contract Documents, an equitable deduction from the Contract Price will be made by agreement between the Contractor and the Owner and subject to settlement, in case of dispute, as herein provided.

END OF SECTION

## **SPECIAL PROVISIONS**

The "Standard Specifications for Road and Bridge Construction" prepared by the Department of Transportation of the State of Illinois and adopted by said Department on January 1, 2022, and the Supplemental Specifications prepared by the Department of Transportation of the State of Illinois and adopted on January 1, 2023, by said Department to supplement the "Standard Specifications for Road and Bridge Construction", shall govern the bidding, construction, and execution of the proposed project. Where the term "Department" appears in the Specifications, the " Winnebago County Forest Preserve District " shall be substituted therefore, and where any term for employee of the department is used, the designated Winnebago County Forest Preserve District employee shall be substituted, therefore.

Herein after the terms "Owner", "Ownership", "Engineer", or any derivatives of such shall mean the Belvidere Park District or its designated representative and the term "Contractor" shall mean the entity who proposes to perform the work herein described or its designated subcontractors.

The following Special Provisions supplement the said specifications and, in case of conflict with any part or parts of said specifications, these Special Provisions shall take precedence and shall govern:

### **SECTION 1 – GENERAL**

#### **DESCRIPTION OF WORK**

The project will consist of limited asphalt, fence, vegetation, tennis equipment, and miscellaneous removals; reshaping of existing aggregate base, grading, installation of aggregate base, HMA pavement, chain link fence, painted surface, stripping, tennis and pickleball equipment, turf restoration, and all related work in accordance with the construction plans at **Aberdeen Park Pickleball and Tennis Court Renovation**, Belvidere Park District located at 1417 Orth Road, Belvidere, IL 61008.

#### **TRAFFIC CONTROL**

The project limits are within the existing park(s) and facility with public use allowed during all daylight hours. The contractor shall include the necessary traffic and/or pedestrian controls needed to carry out his work duties and this shall be incidental to the project. At a minimum, any unsafe conditions shall be protected from park users during construction by use of necessary barriers, flagging, signage, safety measures, or controls. The Contractor will be allowed to close sections of path as necessary, with advance approval of the Owner. Examples of traffic control measures required might include signage, barricades or snow fencing to restrict access and barricades or drums along any adjacent public street, park road, parking lot, or other paved path or construction staging area.

#### **REFERENCES**

The Belvidere Park District may require from the apparent low bidder three (3) references of projects of similar type of work within the past three (3) years. Failure to supply reference and/or having performed work of this type as determined by the Belvidere Park District may be cause of rejection of bid by the Belvidere Park District.

#### **CONTRACT SUBLETTING-COOPERATION AMONG SUBCONTRACTORS**

It shall be the responsibility of the Contractor to ensure full cooperation among the subcontractors doing work on the project.

All subcontractors to be utilized by the Contractor shall provide Ownership with a Project Specific Certificate of Insurance naming Belvidere Park District as additional insured prior to commencement of work by said subcontractor.

### **CONSTRUCTION INSPECTION**

Any work performed without the presence of an Owner's designated representative to inspect said construction shall not be accepted for payment as directed by the Owner. Contractor shall notify Ownership a minimum of 24 hours in advance of the start of construction or the continuation of construction following a pause in work.

### **EXISTING UTILITIES, STRUCTURES, AND LOCATIONS**

Ownership does not guarantee the completeness or accuracy of the information shown on any plans regarding utilities such as gas and water mains, sewers, inlets, buffalo boxes, power lines, poles, lights, any other existing utilities, or drainage structures. The contractor shall make their own investigation to verify or determine the existence, nature, and location of all utilities on the site that may interfere with construction before commencing work. The Contractor shall report to the Owner any omissions or differences in location from that shown on any project plans. Care should be taken while working near any utilities to prevent their damage.

## **SECTION 2 - SPECIAL PROVISIONS**

### **SAW CUTTING**

Where necessary, work shall consist of sawing existing pavements to such a depth that when the pavement is removed, a clean, neat edge will result with no spalling of the remaining pavement. Saw cutting shall be performed at all locations where pavement is removed. This work shall be considered incidental to construction and no further compensation will be allowed.

### **MOBILIZATION**

Refer to Article 671.02 of the Standard Specifications and delete this paragraph in its entirety. There shall be no mobilization payments made on this Project.

### **EARTH EXCAVATION**

This work will consist of the complete excavation and removal of all material necessary to construct the subgrade to the existing lines and grades in the field or as shown in the plans. Work includes: Pavement Overlay, Pavement Removal, HMA Surface Removal, Aggregate Stone and Earth Removal. Potential clearing of brush, bushes, and small tree limbs as described in section 202.01 shall be considered incidental to this Earth Excavation pay item. This work shall conform to Section 202 and Section 440 of the Standard Specifications.

Any earth excavation shall be removed from the site and disposed of legally off site.

### **UNDERCUT (COMPLETE)**

This work shall consist of removal of unsuitable subgrade materials and/or existing stone base course should a proof roll or other testing methods determine that the soil will not support the necessary project materials or construction equipment for paving. In the case where the subgrade or base course is found to be unsuitable, then the contractor would be paid for the removal and

replacement of the material as part of this unit cost, in addition to the removal and replacement of any underlying unsuitable soils.

If conditions are deemed unsuitable, a proof-roll shall be performed. Based on the results of the proof-roll, the Contractor and Owner or engineer shall agree to limits of any removal prior to the commencing of work. Replacement of excavated materials shall be with suitable large size aggregate, such as IDOT gradation CSO-1.

Measurement: Limits of work shall be measured and agreed upon in the field prior to removal.

#### **AGGREGATE BASE COURSE, TYPE B, 6" depth (minimum)**

This work shall conform to the "Standard Specifications for Road and Bridge Construction" adopted January 1, 2022, Section 351. Aggregate Base Course, except as modified herein.

The area of base course shall be according to the limits referenced in the contract documents or as shown on the plans.

#### **RECYCLED AGGREGATE MATERIALS**

The use of recycled HMA and concrete is approved as aggregate base course for this project as long as it meets the certification for IDOT CA-6 gradation.

#### **CONCRETE PAVEMENT**

This work shall be constructed in accordance with Section 406 and 1030 of the Standard Specifications.

The area or length of curbing shall be according to the limits referenced in the contract documents or as shown on the plans.

Mix designs and verification of IDOT certification must be submitted to Engineer and/or Owner for approval prior to Notice to Proceed on contract.

Densities shall be 93% minimum unless specified by the Engineer and/or Owner.

#### **CONCRETE WASHOUTS**

This work shall conform to applicable portions of Section 280 of the Standard Specifications and the requirements of the Illinois EPA NPDES permit. Contractor shall employ the use of concrete washouts throughout the project and shall require his workers, subcontractors, and suppliers to utilize the designated washout areas for proper removal of concrete and cement materials. Contractor shall maintain washouts throughout the duration of construction so long as required. Failure to utilize concrete washout areas will result in violation of EPA requirements and Contractor could be subjected to fines and penalties through the Illinois Attorney General's office.

#### **HMA PAVEMENT**

This work shall be constructed in accordance with Sections of the Standard Specifications.

The area or length of curbing shall be according to the limits referenced in the contract documents or as shown on the plans.

Mix designs and verification of IDOT certification must be submitted to Engineer and/or Owner for approval prior to Notice to Proceed on contract.

Densities shall be 93% minimum unless specified by the Engineer and/or Owner.

### **AGGREGATE FOR TEMPORARY ACCESS**

Temporary aggregate wedges will be needed to maintain access to local businesses. The City has final discretion to direct the contractor to install this type of temporary access. This work will be considered incidental to the Contractor's means and methods and shall not be paid for separately on this project.

### **RESTORATION (where necessary)**

This work shall consist of repairing all disturbed areas with a minimum of 4" of topsoil and seeding. Satisfactory stockpiled topsoil from within the construction limits shall first be used before additional compensation topsoil is to be hauled to the site. Topsoil material shall be indigenous to Winnebago County (or adjacent counties) and may be used providing it meets with the requirements of Article 1081.05 of the Standard Specifications for Road and Bridge Construction and has no more than 55 percent sand or clay content as determined in accordance with AASHTO T88. The seeding method shall consist of applying seed, fertilizer, and erosion control blanket on satisfactorily prepared seed bed in accordance with Standard Specification for Road and Bridge Construction Section 250 and 251 in so far as said sections apply.

Seeding: Seeding shall consist of at minimum Class I Lawn Mixture, per IDOT specifications.

Fertilizer: Fertilizer shall be furnished and applied in accordance with section 250.04.

Erosion Control Blanket: Erosion control blanket shall be applied to all seeded areas in accordance with section 251.04 using any of the described methods. Especially for areas that are more than 3% slopes.

Guarantee: All seeded areas shall be maintained for at least 30 days after germination or second cutting. After germination, any scattered bare spots no larger than two square feet will be allowed up to a maximum of 5% of any seeded area including 30-day maintenance and mowing. Excessive weed blooms, as determined by owner/engineer, must be sprayed, or cut to eradicate or reduce further growth.

### **TENNIS COURT COLOR COATING**

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

##### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the contract including general and supplementary conditions and other Division 1 Specifications Sections, apply to this section.

##### **1.2 REFERENCES**

- A. ASTM D2938 - Specification for bituminous protective coating.
- B. ASTM C136- Standard testing method for Sieve Analysis aggregates.
- C. Refer to specifications on civil drawings.

##### **1.3 SUMMARY**

- A. Section includes:

1. Acrylic Resurfacer
  2. Court depression
  3. Color System
  4. Line Paint
- B. Related Sections include the following:
1. Division 32 Section - "Asphalt Paving"
  2. Division 32 Section- "Tennis Court Equipment"

#### 1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's printed product specifications.
- B. Certification: Submit letter from manufacturer stating applicator is a certified applicator.
- C. Samples for verification: For the following products:
  1. Court Color System: Court color selection to be by Owner and provided to contractor at pre-construction meeting. Contractor shall assume one color for courts and a second color for out of bounds areas. Contractor shall provide a list of "premium colors" in his bid that would require an upcharge if selected. Submit samples of manufacturer's full range of colors for owner selection.

#### 1.5 QUALITY ASSURANCE

- A. Tests and Inspections: Owner reserves right to employ a testing laboratory to conduct testing and inspection of materials and mixtures.
- B. Applicator: Certified Applicator of color coat manufacturer. Applicator to provide written documentation.
- C. Regulatory Requirements: Equipment specified shall conform to the latest rules and regulations of the following:
  1. United States Tennis Association (USTA)
  2. American Sports Builders Association (ASBA)
  3. Illinois High School Association (IHSA)

#### 1.6 JOB CONDITIONS

- A. Environmental Requirements: Apply coating in dry weather when pavement and atmospheric temperatures are 50 deg. F or above and are anticipated to remain above 50 deg F for four (4) hours after completing application.

#### 1.7 WARRANTY

- A. Prior to final payment, submit a two-year written dual warranty signed by contractor.

### PART 2- PRODUCTS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include the following:
  1. Acrylic Resurfacer, Color System, and Line Paint:
    - a. SportMaster Sport Surfaces, PO Box 2277, 2520 South Campbell Street, Sandusky, Ohio 44870. Toll Free 800-326-1994. Fax 877-825-9226. Website [www.sportmaster.net](http://www.sportmaster.net). E-mail [info@sportmaster.net](mailto:info@sportmaster.net).
    - b. Plexipave System as manufactured by California Products Corp., Andover, MA. 01810 / [www.plexipave.com](http://www.plexipave.com).
    - c. Laykold Tennis Court System as manufactured by Advanced Polymer Technology, 109 Concia Lane, PO Box 180, Harmony PA 16037, 724-452-1330, [www.advpoytech.com](http://www.advpoytech.com)
    - d. Novacrylic®, as manufactured by Nova Sports U.S.A., 6 Industrial Rd., Bldg. #2., Milford, MA 01757. 800-USA-NOVA.
    - e. DecoColor MP Classic Color System
    - f. Elite Sport Coating System, U.S. Tennis Court Construction Co., 13517 Bell Road, Homer Glen, IL 60491 Ph # 708-301-3300.
  2. No other manufacturers will be accepted unless approved by Engineer in writing. Bidder shall submit alternative manufacturers for evaluation at least 10 (ten) days prior to bid date.

## 2.2 MATERIALS

- A. Color System: An ultra-violet light stabilized, pure synthetic mineral oxide pigmented acrylic epoxy color coating system specifically formulated for coating of recreational surfaces and as specified in this section
- B. Aggregate for Courts:
  - 1. **Resurfacer coats and color coats shall contain a** washed, dry silica sand free of dust, trash, clay, organic materials or other contaminants and supplied in bags to insure correct measurements.
  - 2. Gradation: **For resurfacer, fineness shall meet resurfacer product manufacturer's guidelines. For color coat, gradation** to have an American Foundry Society grain fineness number is no less than 65 and no more than 95, when tested in accordance with ASTM C 136 and with 99% passing 40.
  - 3. **Quality Control: All sand aggregate materials shall meet one of two guidelines. 1) Aggregate shall be supplied by the surface manufacturer directly. 2) Aggregate supplied by the contractor shall accompany a certification statement by the surface manufacturer that the supplied aggregate materials meet their specifications.**
- C. Mixing Water: Potable and free from harmful soluble salts.
- D. Equipment and Tools:
  - 1. All equipment, tools and machinery used for handling materials and executing any part of work shall be subject to approval by Engineer before work is started.
  - 2. Use equipment for applying mixture that is designed for applying tennis court color coating and capable of applying required coating weights evenly to provide a smooth, uniformly coated surface.

## PART 3- EXECUTION

### 3.1 INSPECTION

- A. Inspect asphalt where Color Coating is to be installed, with the Asphalt Installer present, for conditions and defects that will adversely affect performance of tennis courts, and which cannot be put into an acceptable condition through normal preparatory work as specified below. Court surface must comply with court depression tolerances as specified below.
- B. Do not begin to apply Color Coating until satisfactory conditions have been corrected.
- C. Start of Color Coating will be construed as the Applicator's acceptance of surfaces and conditions of the asphalt.

### 3.2 PREPARATION

- A. Cleaning:
  - 1. Thoroughly clean surfaces to be coated. Remove all foreign debris (dirt, silt, gravel, leaves, etc.) using mechanically powered forced air sweepers, mechanical street sweepers, steel bristle brooms, and/or high-pressure water.
  - 2. Thoroughly scrape mud areas and scrub wash with clean water.
- B. Protection: Protect adjacent curbs, walks, fences, and other items from receiving color coat and/or resurfacer.
- C. Asphalt shall be cured for a minimum of 14 days.
- D. Apply 2 coats of acrylic resurfacer.
- E. Apply 2 coats of fortified tennis court color coating.

### 3.3 COURT DEPRESSIONS

- A. Court surface shall be flooded with water. Any ponding or "birdbaths" remaining after 1 (one) hour at 70 degrees F in sunlight which cover a five-cent piece (American coin) shall be patched and leveled by the asphalt installer.

### 3.4 COLOR SYSTEM

- A. The color finish shall be of the approved product listings above. These systems shall include the following:
  - 1. Resurfacer: Two (2) coats of Acrylic resurfacer shall be applied to the entire court

- area in order to provide a uniform and even surface.
2. Colors: Engineer to select colors from manufacturer's standard color line. Verify all colors with Owner prior to work. Contractor to identify any "premium colors" that would require an upcharge in his bid. Absent any listing of premium colors, Owner will have the ability to choose any color on manufacturer's standard list at no additional cost.
    - a. Court areas: Color – Tournament Purple, (or as selected by Owner pre-construction).
    - b. Out-of-Bounds: Color – Light Green (or as selected by Owner pre-construction).
      - 1) Out-of-Bounds color to extend past the fence line (to edge of asphalt) and shall include any concrete or post footing tops. Coordinate in field.
    - c. **Application Rate: Apply with a soft rubber squeegee. Apply successive coats in cross directions. Application rate shall be 0.07 to 0.09 gallons per square yard per coat.**
  3. Color Finish:
    - a. Two (2) coats of sand filled acrylic color shall be applied to the entire court surface.
    - b. The second coat shall be applied upon thorough drying of first coat.
    - c. Color areas shall be taped where colors meet in order to assure razor sharp edges prior to painting.
    - d. **Application Rate: Apply with a soft rubber squeegee. Apply successive coats in cross directions. Application rate shall be 0.05 to 0.08 gallons per square yard per coat.**
  4. Playing Lines:
    - a. Lines shall be taped in order to assure razor sharp edges prior to painting.
    - b. Two (2) coats of acrylic line paint shall be applied accurately and in accordance with the Regulatory Requirements listed in this section.
    - c. Playing lines shall be 2" wide.
    - d. **Line Paint shall be fortified with fine sand to provide texture similar to playing surface.**
    - e. Playing lines shall be accurately located and marked in accordance with the Regulatory Requirements listed in this section. The painting shall be done by skilled technician in a workmanlike manner in accordance with the manufacturer's standard printed instructions.
    - f. Lines shall be painted with a paint recommended or approved by the manufacturer of the color finish material: however, use of traffic, oil, alkyd, or solvent-vehicle type paint is prohibited.
    - g. **Application Rate: Apply with a small roller between masked limits. Application rate shall be 500 to 600 feet per gallon.**
    - h. Color: Tennis playing lines - White. Pickleball playing lines – Yellow.

### 3.3 PROTECTION

- A. Protect adjacent curbs, walks, fences, landscaping, and other items from receiving color coat and /or resurfacer.
- B. Barricade coated areas until coating has dried sufficiently for foot traffic.

### 3.4 CLEAN UP

- A. Upon completion of the work, the Contractor shall remove all containers, surplus material and debris and have the site in a clean and orderly condition acceptable to the Owner.

END OF SECTION

## **TENNIS COURT EQUIPMENT**

### **PART 1 -GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and divisional Specification sections, apply to work of this section.

#### **1.2 SUMMARY**

- A. The Work required under this Section consists of providing sports & physical education equipment items, their accessories and necessary mounting, and installation hardware, including:
  - 1. Tennis court net posts.
  - 2. Tennis court net center strap anchors.
  - 3. Tennis court signs.
  - 4. Tennis court windscreen ties.
- B. Extent of Equipment is indicated on drawings and in these specifications.
- C. Related Sections: The following sections contain requirements that relate to this Section:
  - 1. Division 32 Section - "Asphalt Paving"
  - 2. Division 32 Section- "Tennis Court Color Coating"
  - 3. Division 32 Section - "Chain Link Fencing"

#### **1.3 SUBMITTALS**

- A. Product Data:
  - 1. Submit manufacturer's specifications and installation instructions for each type of equipment.
  - 2. Include assembly, disassembly, and storage instructions for removable equipment.
- B. Shop Drawings: For each type of equipment. Include model numbers, types of material, finishes, elevations, dimensions, details, attachments to other work, layout of equipment installation, and the following:
  - 1. Method of field assembly for removable equipment, connections, installation details, mounting, floor inserts, attachments to other work, and operational clearances.
- C. Coordination Drawings: Court layout plans, drawn to scale, and coordinating floor inserts, game lines, and markers applied to finish flooring.

#### **1.4 QUALITY ASSURANCE**

- A. Regulatory Requirements: Equipment specified shall conform to the latest rules and regulations of the following:
  - 1. United States Tennis Association (USTA)
  - 2. American Sports Builders Association (ASBA)
  - 3. Illinois High School Association (IHSA)
- B. Installer Qualifications: All equipment shall be installed by a manufacturer's approved installer with a minimum of 5 years successful experience
- C. Source Limitations: Obtain each type of equipment through one source from a single manufacture to assure similar operation, safety, routine maintenance and service.

#### **1.3 PROJECT CONDITIONS**

- A. Field Measurements: Where possible, check actual construction work by accurate field measurement before fabrication; show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress as directed by the Contractor to avoid delay of work. Where necessary, proceed with fabrication without field measurements, and coordinate fabrication tolerances to ensure proper fit of equipment.

## 1.4 COORDINATION

- A. Coordinate installation of floor inserts with footing installations and with court layout, game lines, and markers on finish flooring.

## 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver Equipment in manufacturer's original protective packaging.
- B. Store components in a clean dry location away from uncured concrete. Cover with watertight tarpaulin or polyethylene sheeting in a manner to permit circulation of air
- 1. Stack components in a manner that will prevent bending and avoid permanent damage.

## 1.6 WARRANTY

- A. Provide manufacturer's standard warranty form, on all equipment, in which manufacturer agrees to repair or replace components of equipment that fail in materials, operation, or workmanship within the specified warranty period.
- B. Warranty Period: Two years from date of substantial completion, or manufacturer's standard, whichever is greater.

## PART 2- PRODUCTS

### 2.1 MANUFACTURERS

- A. Basis-of-Design Products: Subject to compliance with requirements. While it is not the intent to limit competitive bidding, the manufacturer and equipment specified is listed at a standard of quality, durability and performance.

### 2.2 MATERIALS

#### A. TENNIS COURT NET POSTS

- 1. Posts: Basis-of-Design: Douglas Premier XS with plated gears #63034 (Black). Verify final color selection with Owner as selected from manufacturer's full range. Or approved equal.
  - a. 2-7/8" outside diameter steel galvanized Schedule 40 pipe.
  - b. Telescoping non-binding internal winder.
  - c. Baked-on polyester powder coat finish.
  - d. Provide all installation accessories, including:
    - 1) Douglas #GS-24PVC Ground Sleeves
      - a) Sleeves to be set in concrete footing per manufacturer's written instructions.
      - b) Sleeves to facilitate the removal and reinstallation of posts.

#### B. TENNIS COURT NET CENTER STRAP ANCHORS

Center Strap Anchors: Basis-of-Design: Douglas # 63428

### 2.3 CAST-IN-PLACE CONCRETE

- A. Materials: Portland cement complying with ASTM C 150, Type I aggregates complying with ASTM C 33, and potable water for ready-mixed concrete complying with ASTM C 94/C 94M.
- 1. Concrete Mixes: Normal-weight concrete air entrained with not less than 3000-psi compressive strength (28 days), 3-inch slump, and 1-inch maximum size aggregate.
- B. Materials: Dry-packaged concrete mix complying with ASTM C 387 for normal-weight concrete mixed with potable water according to manufacturer's written instructions.

### 2.4 GROUT AND ANCHORING CEMENT

- A. Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout

complying with ASTM C 1107. Provide grout, recommended in writing by manufacturer, for exterior applications.

B. Erosion-Resistant Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with potable water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and that is recommended in writing by manufacturer, for exterior applications.

## PART 3- EXECUTION

### 3.1 PREPARATION

- A. Make such arrangements as are necessary to provide scaffolding to perform Work under this Section. Damage to floors, walls, equipment, and the like shall be corrected at the expense of the Contractor under this Section.

### 3.2 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for play court layout, alignment of mounting substrates, installation tolerances, operational clearances, and other conditions affecting performance.
  - 1. Verify critical dimensions.
  - 2. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.3 INSTALLATION

- A. General: Install Equipment and related accessories at locations shown in accordance with manufacturer's recommended installation instructions and competition rules indicated. Provide all materials, brackets and anchors, trim and accessories necessary for a complete installation.
- B. Removable Equipment and Components: Assemble in place to verify that equipment and components are complete and in proper working order. Instruct Owner's designated personnel in properly handling, assembling, adjusting, disassembling, transporting, storing, and maintaining units. Disassemble removable gymnasium equipment after assembled configuration has been approved by Owner.
- C. Demonstrate operation of all units to the owner or his authorized agent.

### 3.4 ADJUSTING

- A. Verify that moving parts are operating freely. Adjust components to operate safely, smoothly, easily, and quietly, free from binding, warp, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Lubricate hardware and moving parts.

### 3.5 CLEANING

- A. Remove spots, dirt, and debris and touch up damaged shop-applied finishes according to manufacturer's written instructions. Replace components as necessary to eliminate evidence of damage or deterioration.
- B. Replace athletic equipment and finishes that cannot be cleaned and repaired, in a manner approved by Engineer, before time of Substantial Completion.

END OF SECTION

# ABERDEEN PARK PICKLEBALL AND TENNIS COURT RENOVATION

1417 ORTH RD  
BELVIDERE, IL 61008

## GENERAL NOTES

- The designs represented in these plans are in accordance with established practices of civil engineering for the design functions and uses intended by the owner at this time. Neither the engineer nor its personnel can or do warrant these designs or plans as constructed except in the specific cases where the engineer inspects and controls the physical construction on a contemporary basis at the site.
- The contractor, by agreeing to perform the work, agrees to indemnify and hold harmless the owner, the engineer, the city, and all agents and assigns of those parties, from all suits and claims arising out of the performance of said work, and further agrees to defend or otherwise pay all legal fees arising out of the defense of said parties.
- In accordance with generally accepted construction practices, the contractor shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours. Any construction observation by the engineer of the contractor's performance is not intended to include review of the adequacy of the contractors safety measures, in, or near the construction site. The contractor is responsible for maintaining adequate signs, barricades, fencing, traffic control devices and measures, and all other measures that are necessary to protect the safety of the site at all times.
- Maintain access for vehicular and pedestrian traffic as required for other construction activities. Use traffic control devices to include temporary striping, flagmen, barricades, warning signs, and warning lights shall be in accordance with current MUTCD and IDOT standards.
- All phases of the site work for this project shall meet or exceed industry standards and requirements set forth by the the owner's "Description of Work", Belvidere Park District, the State of Illinois, and this plan set.
- The Belvidere Park District must be notified at least two (2) working days prior to the commencement or resumption of any work.
- The contractor shall coordinate all permit and inspection requirements with responsible local, state, and federal agencies. The contractor shall include the costs of this coordination and all inspection fees in the bid price.
- All work performed by the contractor shall come with a warranty against defects in workmanship and materials. This warranty period shall run concurrent with the required warranty periods the owner must provide to each local government agency, as a condition of the permit.
- The contractor will be held solely responsible for and shall take precautions necessary to avoid property damage to adjacent properties during the construction of this project.
- All structures, inlets, pipes, swales, roads and public egresses must be kept clean and free of dirt and debris at all times.
- Any field tiles encountered during construction shall be recorded showing size, location, and depth by the contractor, and either reconnected and rerouted or connected to the storm sewer system. The owner shall be notified immediately upon encountering any tile.
- The contractor shall field verify the elevations of the benchmarks prior to commencing work. The contractor shall also field verify the location and elevation of existing pipe inverts, curb or pavement where matching into existing work. The contractor shall field verify horizontal control by referencing property corners to known property lines. Notify the engineer of discrepancies in either vertical or horizontal control prior to proceeding.
- All elevations are on NAVD 88 datum.
- Parking areas designated as A.D.A. and all sidewalk shall be compliant with state and local A.D.A. requirements.
- Tactile warning plates per IDOT specifications shall be placed at all locations where sidewalk that is to be replaced intersects public roads and at locations indicated in this plan set.
- The contractor shall verify the location of all utilities in the field prior to construction. This includes sanitary sewer, water main, storm sewer, General Telephone, Commonwealth Edison, Northern Illinois Gas and cable television, if any. The J.U.L.I.E. number is 1-800-892-0123.
- Property corners shall be carefully protected until they have been referenced by a Professional Land Surveyor.
- The contractor shall keep careful measurements and records of all construction and shall furnish the Engineer, the Owner and the Park District with record drawings in a digital format compatible with AutoCAD Release 14 upon completion of his work.
- Any excess dirt or materials shall be placed by the contractor onsite at the owner's direction or as indicated on the plans.
- Notify the owner and Belvidere Park District of any existing wells. Obtain permit form the Illinois Bureau of Minerals and the State Water Survey. Cap and abandon wells in accordance with local, state, and federal regulations.
- Finish grade shall in all areas not specifically reserved for storm water management shall drain freely. No ponding shall occur. Tolerances to be observed will be measured to the nearest 0.04 of a foot for paved surfaces and 0.10 of a foot for unpaved areas.

## VICINITY MAP



## OWNER:

**BELVIDERE PARK DISTRICT**  
JONATHAN CUDZEWICZ  
1006 W. LINCOLN AVE  
BELVIDERE, 61008  
(815) 547-5711

## ENGINEER:



## SHEET LIST TABLE

Sheet Number	Sheet Title
C-00	COVER
C-01	GENERAL NOTES AND DETAILS
C-02	REMOVAL & EROSION CONTROL PLANS
C-03	LAYOUT & GRADING PLANS

## UTILITY OFFICIALS

### PUBLIC WORKS DEPARTMENT:

DIRECTOR OF PUBLIC WORKS  
BRENT ANDERSON  
815-544-9256  
BELVIDERE CITY HALL  
401 WHITNEY BOULEVARD  
BELVIDERE, IL 61008

### CITY HALL:

MAYOR  
CLINTON MORRIS  
815-544-2612  
BELVIDERE CITY HALL  
401 WHITNEY BOULEVARD  
BELVIDERE, IL 61008

### SEWER DISTRICT:

BELVIDERE SEWER DEPARTMENT  
DAN ANDERSON  
SUPERINTENDENT  
815-544-2072  
2001 NEWBURG ROAD  
BELVIDERE, IL 61008

### STREET DEPARTMENT:

BELVIDERE STREET DEPARTMENT  
DAN ANDERSON  
SUPERINTENDENT  
815-544-9256  
401 WHITNEY BOULEVARD  
BELVIDERE, IL 61008

### TELEPHONE:

FRONTIER  
877-462-8188

### ELECTRIC:

COMED  
1-800-334-7661

### GAS:

NICOR GAS  
1-888-642-6748

### WATER DEPARTMENT:

BELVIDERE WATER DEPARTMENT  
DAN ANDERSON  
SUPERINTENDENT  
815-544-9256  
210 WHITNEY BOULEVARD  
BELVIDERE, IL 61008

### CABLE TELEVISION:

COMCAST  
800-266-2278



PROJECT NAME  
OWNER'S NAME

**ABERDEEN PARK  
PICKLEBALL AND  
TENNIS COURT  
RENOVATION**

1417 ORTH RD  
BELVIDERE, IL 61008  
BOONE COUNTY

BELVIDERE PARK DISTRICT  
1006 W. LINCOLN AVE  
BELVIDERE, 61008  
(815) 547-5711

CONSULTANTS

ISSUED FOR

1. ISSUED FOR BID	DATE
2. ---	---
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REVISIONS

ITEM	DATE
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SHEET TITLE

**COVER**

DRAWN

JO/BES

CHECKED

MPA

PM

RCS

PROJECT NUMBER  
SHEET NUMBER

**23085**

**C-00**

GENERAL PAVING NOTES

1. ALL PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING:
- A. CONCRETE PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (STANDARD SPECIFICATIONS), LATEST EDITION, INCLUDING ALL UPDATES AND STANDARDS THEREOF.
  - B. STANDARDS AND REQUIREMENTS OF CITY OF BELVIDERE.
  - C. ADDITIONAL DETAILS AND REQUIREMENTS PROVIDED IN THE CONTRACT DOCUMENTS, INCLUDING THIS PLAN SET.
2. ALL PROPOSED PAVEMENT AREAS SHALL BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND EXCAVATED OR FILLED TO WITHIN 0.10 FEET OF DESIGN SUBGRADE.
3. THE SUBGRADE OF PAVEMENT AREAS SHALL BE FREE OF ALL UNSUITABLE MATERIAL AND SHALL BE COMPACTED TO A MINIMUM 95 PERCENT OF STANDARD PROCTOR DENSITY.
4. THE SUBGRADE SHALL BE PROOF ROLLED, INSPECTED AND APPROVED BY BELVIDERE PARK DISTRICT PRIOR TO PLACING THE BASE MATERIAL. NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO FINISHED SUBGRADE PREPARATION.
5. THE EARTHWORK CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF SPOIL MATERIAL FROM THE UNDERGROUND CONTRACTORS, PREPARING THE ROADWAY SUBGRADE, PROOF ROLLED, PLACING TOPSOIL TO A MINIMUM DEPTH OF 4 INCHES TO FINISHED GRADE IN THE PARKWAYS AREAS ONLY, GRADING OF DRAINAGE SWALES, AND ALL OTHER TASKS AS DIRECTED BY THE OWNER OR ENGINEER.
6. THE QUANTITIES CONTAINED IN THESE DOCUMENTS ARE APPROXIMATE AND ESTIMATED, AND ARE PRESENTED AS A GUIDE TO THE CONTRACTOR IN DETERMINING THE SCOPE OF WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL QUANTITIES AND TO BECOME FAMILIAR WITH THIS SITE AND SOIL CONDITIONS.
7. THE PAVING CONTRACTOR IS RESPONSIBLE FOR THE FINAL SUBGRADE PREPARATION, PROOF ROLLING, THE PAVEMENT BASE, BINDER, AND SURFACE, AND ALL FINAL CLEAN-UP AND RELATED WORK ASSOCIATED WITH THE PAVING OPERATION.
8. THE PROPOSED PAVEMENT SHALL BE OF THE TYPE AND THICKNESS AS SPECIFIED IN THE ENGINEERING DRAWINGS, AND CONSTRUCTED IN STRICT CONFORMANCE WITH THE PREVIOUSLY REFERENCED IDOT STANDARD SPECIFICATIONS AND BELVIDERE PARK DISTRICT.
9. AREAS OF DEFICIENT PAVING, INCLUDING COMPACTION, SMOOTHNESS, THICKNESS, AND ASPHALT MIXTURE, SHALL BE DELINEATED, REMOVED, AND REPLACED IN COMPLIANCE WITH SPECIFICATIONS REQUIREMENTS UNLESS CORRECTED OTHERWISE AS DIRECTED AND APPROVED BY THE OWNER.
10. FIELD QUALITY CONTROL TESTS SPECIFIED HEREIN WILL BE CONDUCTED BY THE OWNER'S INDEPENDENT TESTING LABORATORY (ITL) AT NO COST TO THE CONTRACTOR. ANY TESTING AND INSPECTION RESULTING FROM THE REQUIREMENTS OF NECESSARY PERMITS BY BELVIDERE PARK DISTRICT OR THE STATE OF ILLINOIS SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PERFORM ADDITIONAL TESTING AS CONSIDERED NECESSARY BY THE CONTRACTOR FOR ASSURANCE OF QUALITY CONTROL. RETESTING REQUIRED AS A RESULT OF FAILED INITIAL TESTS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- A. FIELD TESTING, FREQUENCY, AND METHODS MAY VARY AS DETERMINED BY AND BETWEEN THE OWNER, THE ITL AND BELVIDERE PARK DISTRICT.
  - B. TESTING SHALL BE PERFORMED ON FINISHED SURFACE OF EACH ASPHALT CONCRETE COURSE FOR SMOOTHNESS, USING 10'-0" STRAIGHTEDGE APPLIED PARALLEL WITH, AND AT RIGHT ANGLES TO CENTERLINE OF PAVED AREA. THE FOLLOWING TOLERANCES IN 10 FT SHALL NOT BE EXCEEDED: BASE COURSE SURFACE: 1/4-INCH, WEARING COURSE SURFACE: 1/8-INCH.
  - C. NO PONDING SHALL OCCUR ON PAVED SURFACES.

ADDITIONAL ASPHALT PAVING NOTES

1. Weather Limitations:
- A. Apply prime and tack coats when ambient or base surface temperature is above 40 F, and when temperature has been above 35 F for 12 hours immediately prior to application. Do not apply when base is wet, contains excess moisture, during rain, or when frozen.
  - B. Construct asphaltic concrete paving when ambient temperature is above 40 F.
2. Materials shall comply with the following standards of quality:
- A. Coarse aggregate shall comply with Section 1004.03 of the Standard Specifications.
  - B. Fine aggregate shall comply with Section 1003.03 of the Standard Specifications.
  - C. RAP material shall comply with Section 1031 of the Standard Specifications.
  - D. Mineral filler shall consist of dry limestone dust, fly ash, cement kiln dust, or lime kiln dust, and shall comply with the following:
    - D.1. The gradation shall be according to the following:
      - D.1.a. 100% shall pass the No. 30 sieve (600 µm).
      - D.1.b. 92 ±8% shall pass the No. 100 sieve (µm).
      - D.1.c. 82 ±18% shall pass the No. 200 sieve (µm).
    - D.2. The loss on ignition for all products shall be a maximum of 5% when tested according to the TTP, "Loss on Ignition for Mineral Filler."
    - D.3. Mineral filler for use in SMA shall be free from organic impurities and have a Plasticity Index ≤ 4.
  - E. Hydrated lime shall be according to ASTM C207.
  - F. Slaked quicklime shall be according to ASTM C5.
  - G. Asphalt Cement shall comply with ASHTO M226, Table 2 - Requirements for Asphalt Binder Graded by Viscosity at 60 °C (140 °F) (Grading based on Original Asphalt) depending on mean annual air temperatures (MAAT) in accordance with the following:
    - G.1. For locations with a MAAT of 45 °F or lower, a viscosity grade of AC-10 shall be used.
    - G.2. For locations with a MAAT between 45 °F and 75 °F, a viscosity grade of AC-20 shall be used.
    - G.3. For locations with a MAAT above 75 °F, a viscosity grade of AC-40 shall be used.
  - H. Tack coat on brick, concrete, or HMA bases shall be one of the following: SS-1; SS-1h; SS-1hp; SS1-vh; RS-1; RS-2, CSS-1, CSS-1h; CSS-1hp; CRS-1; CRS-2; HFE-90; or RC-70.
- I prime coat on aggregate bases shall be MC-30 or PEP.
3. Mix design shall comply with the following:
- A. Base Course: Illinois Department of Transportation (IDOT) approved mix for Hot-Mix Asphalt Binder Course, IL-12.5, N50.
  - B. Surface (Wearing) Course: Illinois Department of Transportation (IDOT) approved mix for Hot-Mix Asphalt Surface Course, Mix "C", N50.
4. Remove loose material from compacted base material surface immediately before applying prime coat.
5. Establish and maintain required lines and elevations.
6. Cover the surfaces of curbs, gutters, manholes and other structures on which the asphaltic concrete mixture will be placed, with a thin, uniform coat of liquid asphalt. Where the asphaltic concrete mixture will be placed against the vertical face of an existing pavement, clean the vertical face to remove foreign substances and apply a coating of liquid asphalt at a rate of approximately 0.25 gallons per square yard.
7. The application of prime coat shall be as follows:
- A. Apply to base material surfaces at least 24 hours in advance.
  - B. Apply at minimum rate of 0.25 gal per sq. yd over compacted base material. Apply to penetrate and seal, but not flood surface.
  - C. Take necessary precautions to prevent material from over spraying.
  - D. Cure and dry as long as necessary to attain penetration of compacted base and evaporation of volatile substances.
8. The application of tack coat shall be as follows:
- A. Apply to contact surfaces of previously constructed asphaltic concrete base courses or Portland cement concrete and surfaces abutting or projecting into asphaltic concrete or into asphaltic concrete pavement.
  - B. Apply tack coat to asphaltic concrete base course or sand asphalt base and. Apply emulsified asphalt tack coat between each lift or layer of full depth asphaltic concrete and sand asphalt bases and on surface of bases where asphaltic concrete paving will be constructed.
  - C. Apply at minimum rate of 0.05 gal per sq. yd of surface.
  - D. Allow drying until at proper condition to receive paving.
9. Place asphaltic concrete mixture on completed compacted subgrade surface, spread, and strike off.
- A. Spread mixture at following minimum ambient temperatures:
    - A.1. Asphaltic concrete mixture shall not be placed when the ambient temperature is less than 40 °F.
    - A.2. When the ambient temperature is between 40 and 50 °F, the mixture temperature shall be 285 °F.
    - A.3. When the ambient temperature is between 50 and 60 °F, the mixture temperature shall be 280 °F.
    - A.4. When the ambient temperature is above 60 °F, the mixture temperature shall be 275 °F.
  - B. Whenever possible, spread pavement by finishing machine; however, inaccessible or irregular areas may be placed by hand methods. Spread hot mixture uniformly to required depth with hot shovels and rakes. After spreading, carefully smooth hot mixture to remove segregated course aggregate and rake marks. Rakes and lutes used for hand spreading shall be type designed for use on asphalt mixtures. Do not dump loads faster that they can be properly spread. Workers shall not stand on loose mixture while spreading.
  - C. Paving Machine Placement: Apply successive lifts of asphaltic concrete in transverse directions with surface course placed parallel to flow of traffic. Place asphaltic paving in typical strips not less than 10'-0" wide. Asphaltic concrete pavement, including base and surface course, shall be placed in two or more equal lifts. Each lift shall be between 1 to 3 inches thick.
  - D. Joints shall be placed between old and new pavements, or between successive days and work in a manner that will provide continuous bond between adjoining work. Construction joints shall have same texture, density, and smoothness as other sections of asphaltic concrete course. Clean contact surfaces of joints and apply tack coat.
10. All existing joints and cold seam joints to have 'J-Band' seam tape installed and rolled prior to each subsequent surface lift of pavement.
11. After being spread, mixture shall be compacted by rolling as soon as it will bear the weight of rollers without undue displacement. Number, weight, types of rollers, and sequences of rolling operations shall be such that the required density and surface are consistently attained while the mixture is in workable condition.
12. Compact mixture with hot hand tampers or vibrating plate compactors in areas inaccessible to rollers.
13. Perform breakdown or initial rolling immediately following rolling of joints and outside edge. Check surface for breakdown rolling and repair displaced areas by loosening and filling with hot material.
14. Second rolling shall follow breakdown rolling as soon as possible while mixture is hot. Continue second rolling until mixture has been thoroughly compacted to an average density of 96 percent of reference laboratory density according to ASTM D1556, but not less than 94 percent nor greater than 100 percent.
15. Perform finish rolling while mixture is still warm enough for removal of roller marks. Continue rolling until roller marks are eliminated and course has attained maximum density.
16. Remove and replace paving areas mixed with foreign materials and defective areas. Cut out such areas and fill with fresh, hot asphaltic concrete. Compact by rollers to maximum surface density and smoothness.
17. After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked. Any masked or marred finish surfaces shall be repaired or smoothed.
18. Asphalt paving joints shall conform to the following requirements:
- A. Place each asphaltic paving layer as continuous as possible to keep the number of joints to a minimum. All joints/seams to have 'J-Band' seam tape installed and rolled prior to the final surface lift of pavement. Create joints between old and new pavement between successive days work, and where the mixture has become cold (less than 140 °F). Make these joints in such a manner as to create a continuous bond between the old and new pavement construction courses.
  - B. Offset joint of successive courses by at least 6 inches.
    - a. If placing of material is discontinued or if material in place becomes cold, make a joint running perpendicular to the direction traveled by the paver. Before placement continues, trim the edge of the previously placed pavement to a straight line perpendicular to the paver and cut back to expose an even vertical surface for the full thickness of the course. When placement continues, position the paver on the transverse joint so that sufficient hot mixture will be spread in order to create a joint after rolling that conforms to the required smoothness. If the temperature of the previously placed pavement material drops below 140 °F before paving is resumed, give the exposed vertical face a thin coat of liquid asphalt just before paving is continued.
    - b. Coat longitudinal joints that are not completed before the previously laid mixture has cooled to a temperature below 140 °F with liquid asphalt immediately prior to resuming paving activities.

EARTHWORK NOTES

1. A GEOTECHNICAL ENGINEERING REPORT HAS NOT BEEN COMPLETED FOR THIS SITE.
2. UNSUITABLE MATERIALS:
- ASSUME THAT IF UNSUITABLE MATERIALS ARE ENCOUNTERED AND THE REPLACEMENT OF THESE MATERIALS IS REQUIRED, THIS SITUATION SHALL BE HANDLED AS FOLLOWS:
- A. THE SITE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY. THE PROJECT SUPERINTENDENT, PRIOR TO THE UNDERCUTTING BEING COMPLETED, SHALL APPROVE ANY ADDITIONAL UNDERCUTTING. THE QUANTITIES SHALL BE VERIFIED BY THE ENGINEER AS THE ADDITIONAL REMOVAL IS BEING COMPLETED.
  - B. IF APPROVED BY THE ENGINEER, THESE MATERIALS SHALL BE REMOVED AND REPLACED WITH COMPACTED GRANULAR MATERIALS AND COMPACTED IN ACCORDANCE TO REQUIRED STANDARDS.
  - C. IF THE SITE CONTRACTOR IS FURNISHING ANY OFF SITE MATERIALS, A REPRESENTATIVE SAMPLE OF SUCH MATERIALS SHALL BE FURNISHED TO THE GENERAL CONTRACTOR'S APPROVED TESTING AGENCY TO DETERMINE A PROCTOR.
  - D. THESE MATERIALS SHALL BE PLACED AS HOMOGENEOUSLY AS POSSIBLE TO FACILITATE ACCURATE COMPACTION AND MOISTURE TESTING.
3. DEFINITION FOR MATERIALS
- A. "ORGANIC MATERIAL" IS DEFINED AS MATERIAL HAVING AN ORGANIC CONTENT IN EXCESS OF 8% OR AS DETERMINED BY THE PROJECT OWNER'S ENGINEER.
  - B. TOPSOIL SHALL BE FRIABLE AND LOAMY (LOAM, SANDY LOAM, SILT LOAM, SANDY CLAY LOAM, OR CLAY LOAM).
  - B.1. SAND CONTENT SHALL GENERALLY BE LESS THAN 70% BY WEIGHT.
  - B.2. CLAY CONTENT SHALL GENERALLY BE LESS THAN 35% BY WEIGHT.
  - B.3. ORGANIC SOILS, SUCH AS PEAT OR MUCK, SHALL NOT BE USED AS TOPSOIL.
  - C. TOPSOIL SHALL BE RELATIVELY FREE FROM LARGE ROOTS, WEEDS, BRUSH, OR STONES LARGER THAN 25 MM (1 INCH). AT LEAST 90% SHALL PASS THE 2.00 MM (NO. 10) SIEVE.
  - D. TOPSOIL PH SHALL BE BETWEEN 5.0 AND 8.0. TOPSOIL ORGANIC CONTENT SHALL NOT BE LESS THAN 1.5% BY WEIGHT. TOPSOIL SHALL CONTAIN NO SUBSTANCE THAT IS POTENTIALLY TOXIC TO PLANT GROWTH.
  - E. "EXISTING ON-SITE MATERIAL WITHIN MOISTURE CONTENT LIMITS" IS DEFINED AS MATERIAL OF SUCH A QUALITY THAT THE SPECIFIED COMPACTION CAN BE MET WITHOUT ANY ADDITIONAL WORK OTHER THAN "DENSIFYING" WITH A ROLLER. SCARIFICATION AND DRYING OF THIS MATERIAL WILL NOT NEED TO BE DONE PRIOR TO COMPACTION.
  - F. "EXISTING ON-SITE MATERIAL NOT WITHIN MOISTURE CONTENT LIMITS" IS DEFINED AS MATERIAL WITH A HIGH MOISTURE CONTENT THAT CAN NOT MEET SPECIFIED COMPACTION REQUIREMENTS WITHOUT SCARIFICATION AND DRYING, CHEMICAL STABILIZATION, ETC. OF THIS MATERIAL PRIOR TO COMPACTION.
  - G. "UNSUITABLE MATERIAL" IS DEFINED AS ANY MATERIALS THAT:
    - G.1. CANNOT BE UTILIZED AS "TOPSOIL" (ORGANIC) FOR LANDSCAPE AREAS.
    - G.2. CANNOT BE UTILIZED AS "ENGINEERED FILL" REGARDLESS OF MOISTURE CONTENT AND / OR DOES NOT STRUCTURALLY MEET THE STANDARDS OF THE PROJECT OWNER'S ENGINEER'S RECOMMENDATIONS FOR "ENGINEERED FILL".
    - G.3. CAN BE DEFINED AS NATURAL MATERIALS OR MATERIALS FROM "DEMOLITION" AND / OR EXCAVATED AREAS (I.E., MATERIALS THAT WOULD NOT BE SUITABLE FOR "ENGINEERED FILL").
  - H. "OFF-SITE MATERIAL" IS DEFINED AS ANY MATERIALS THAT ARE BROUGHT FROM ANY AREA NOT INDICATED ON THIS PLAN SET.
  - I. "TRENCH BACKFILL" SHALL BE DEFINED AS ANY MATERIALS USED FOR THE PURPOSES OF BACKFILLING ANY TRENCH AND / OR ANY EXCAVATION REQUIRING BACKFILLING. REFER TO "STANDARDS FOR FILL AREAS" TO DETERMINE ACCEPTABLE MATERIALS AND PROCEDURES.
  - J. THE TERM "STRIPPING" OR "STRIP" AS USED HEREIN SHALL BE DEFINED AS THE REMOVAL OF ALL "ORGANIC MATERIALS" FROM A GIVEN AREA. THE TERM "ORGANIC MATERIALS" IS DEFINED AS MATERIAL HAVING AN ORGANIC CONTENT OVER 8% BASED ON ASTM D2974, OR AS DEFINED BY THE OWNER'S ENGINEER.
4. STANDARDS FOR CUT AREAS:
- A. A "CUT AREA" IS DEFINED AS ANY AREA WHERE "ENGINEERED FILL" IS NOT REQUIRED TO BRING THE SITE TO DESIGN SUBGRADE ELEVATION. INSTEAD, EXCAVATION OR "CUTTING" IS REQUIRED TO ACHIEVE DESIGN SUBGRADE ELEVATION ("ENGINEERED FILL" BEING DEFINED AS ANY MATERIAL BEING "OFFSITE MATERIAL").
  - B. IN "CUT AREAS" THE SITE CONTRACTOR SHALL PERFORM ONE OF THE FOLLOWING PROCEDURES AT THE DISCRETION AND IN THE PRESENCE OF A REPRESENTATIVE OF THE OWNER'S ENGINEER AND THE PROJECT ARCHITECT:
    - B.1. FOR EXPOSED BUILDING OR PARKING LOT SUBGRADES CONSISTING PRIMARILY OF GRANULAR SOILS, THE EXPOSED SUBGRADE SHOULD BE COMPACTED / DENSIFIED BY AT LEAST ONE (1) PASS OF A SMOOTH-DRUMMED VIBRATORY ROLLER HAVING A MINIMUM GROSS WEIGHT OF 10 TONS.
    - B.2. FOR EXPOSED BUILDING OR PARKING LOT SUBGRADES CONSISTING PRIMARILY OF COHESIVE SOILS, THE EXPOSED SUBGRADES SHOULD BE PROOF-ROLLED WITH A FULLY-LOADED SIX-WHEEL TRUCK HAVING A MINIMUM GROSS WEIGHT OF 25 TONS. THE MAXIMUM ALLOWABLE DEFLECTION UNDER THE SPECIFIED EQUIPMENT SHALL BE 1/2"
    - C. IN THE EVENT THAT ADEQUATE STABILITY OF GRANULAR SOILS SUBGRADES CANNOT BE ACHIEVED BY THE PROCEDURES AS OUTLINED IN ITEM 1 ABOVE, OR THAT DEFLECTIONS GREATER THAN 1/2" ARE OBSERVED DURING THE "PROOF ROLLING" OF COHESIVE SOILS SUBGRADES (AS OUTLINED IN ITEM 2 ABOVE) ADDITIONAL CORRECTIVE MEASURES WILL BE REQUIRED. THESE MEASURES COULD INCLUDE, BUT NOT NECESSARILY BE LIMITED TO: SCARIFICATION, MOISTURE CONDITIONING, RE-COMPACTION, UNDERCUTTING AND REPLACEMENT WITH ENGINEERED FILL OR CRUSHED STONE (WITH OR WITHOUT GEOTEXTILES), OR CHEMICAL STABILIZATION.
    - D. IT SHALL BE CONSIDERED AS PART OF THE SCOPE OF THESE DOCUMENTS (AND THIS PART OF THIS CONTRACTOR'S RESPONSIBILITY) TO PERFORM SCARIFICATION AND DRYING OF THE SUBGRADE PER ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARDS (SCARIFY A 16" DEPTH FOR 3 DAYS). IF THIS DOES NOT WORK THEN ADDITIONAL DRYING MEASURES SHALL BE AN EXTRA TO THE CONTRACT.
    - E. ANY PROPOSED CORRECTIVE MEASURES BY THE CONTRACTOR SHOULD BE REVIEWED BY THE OWNER'S ENGINEER AND THE PROJECT ARCHITECT. IN THE EVENT THAT IN THE OPINION OF THE OWNER'S ENGINEER AND / OR THE PROJECT ARCHITECT PROOF ROLLING IS NOT A GOOD INDICATOR OF THE SUBGRADE STABILITY, AN ALTERNATIVE METHOD SHALL BE SPECIFIED BY THE OWNER'S ENGINEER AND / OR THE PROJECT ARCHITECT.
5. STANDARDS FOR FILL AREAS:
- A. A "FILL" AREA IS DEFINED AS ANY AREA WHERE MATERIAL IS REQUIRED TO ADJUST THE EXISTING ELEVATION TO A PROPOSED SUBGRADE ELEVATION (THESE AREAS REQUIRE INSTALLATION OF "ENGINEERED FILL" TO ACHIEVE DESIGN SUBGRADE ELEVATION). "ENGINEERED FILL" MATERIAL CAN BE DEFINED AS EITHER "GRANULAR SOIL" OR "SOIL" THAT IS EITHER FROM THE CONSTRUCTION SITE OR IS "OFFSITE MATERIAL". MATERIALS HAVING THEIR ORIGIN FROM THE CONSTRUCTION SITE IS REFERRED TO AS "BORROW". THE COMPOSITION AND THE COMPACTION STANDARDS OF THE ENGINEERED FILL FOR THIS PROJECT WILL BE SPECIFIED BY OWNER'S ENGINEER AND THE PROJECT ARCHITECT.
  - B. IN "FILL" AREAS, "BORROW" MATERIALS ARE ALLOWED TO BE UTILIZED AS ENGINEERED FILL SUCH THAT THE SITE CONTRACTOR COMPLETS THE "BORROW" AREAS TO THE SPECIFIED COMPACTION.
6. COMPACTION STANDARDS (FOR ENGINEERED FILL AND BACK FILLED AREAS)
- A. PRIOR TO PLACEMENT OF FILL IN AREAS BELOW THE DESIGN GRADE, THE EXPOSED SUBGRADE SHOULD BE OBSERVED BY A REPRESENTATIVE OF THE OWNER'S ENGINEER TO EVALUATE THAT ADEQUATE STRIPPING HAS BEEN PERFORMED. ADDITIONALLY, THE PROOF ROLLING OR COMPACTING PROCEDURES OUTLINED IN THE "STANDARDS FOR CUT AREAS" SECTION OF THESE NOTES SHOULD BE PERFORMED. IT IS TYPICAL PRACTICE TO PROOF ROLL (AND DENSIFY IF NECESSARY) EXPOSED SUBGRADES PRIOR TO FILLING. IF SOFT OR UNSTABLE SUBGRADES ARE OBSERVED, THESE AREAS SHOULD BE STABILIZED OR UNDERCUT. MINIMUM COMPACTION STANDARDS ARE BASED UPON A PERCENTAGE OF THE FILL OR BACKFILL MATERIAL'S MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D698). ALL ENGINEERED SUBGRADES SHOULD MEET THE FOLLOWING MINIMUM COMPACTION (REFER TO PSI REPORT FOR RECOMMENDED TESTING FREQUENCIES):
    - A.1. AREAS UNDER FOUNDATIONS BASES:
      - A.1.A. 90% MODIFIED PROCTOR FOR ALL FILL PLACED BELOW FOUNDATION BASE ELEVATION IN THE BUILDING AREA.
    - A.2. AREAS UNDER FLOOR SLABS AND ABOVE FOUNDATIONS/FOOTING BASES:
      - A.2.A. 90% MODIFIED PROCTOR FOR ALL FILL PLACED MORE THAN 12 INCHES BELOW FINAL GRADE FOR SUPPORT OF FLOOR SLABS AND ABOVE FOUNDATION BASE ELEVATION IN THE BUILDING AREA.
      - A.2.B. 90% MODIFIED PROCTOR FOR FILL PLACED IN THE UPPER 12 INCHES OF DESIGN SUBGRADE BELOW SLABS. THE GRANULAR FILL UNDER THE FLOOR SLAB SHOULD BE COMPACTED TO A MINIMUM OF 90% MODIFIED PROCTOR.
    - A.3. AREAS UNDER PAVEMENT SECTIONS:
      - A.3.A. 90% MODIFIED PROCTOR FOR ALL FILL PLACED MORE THAN 12 INCHES BELOW PASSENGER CAR PAVEMENT SECTIONS AND 90% MODIFIED PROCTOR FOR THE TOP 12 INCHES.
    - A.4. LANDSCAPED AREAS:
      - A.4.A. 88% MODIFIED PROCTOR FOR ALL FILL PLACED IN LANDSCAPE AREAS. THESE AREAS SHOULD BE BROUGHT TO GRADE WITH "TOPSOIL" TO A DEPTH OF 12 INCHES IN AREAS TO BE SEEDDED, 6 INCHES IN AREAS TO BE SODDED, AND 24 INCHES FOR ALL INTERIOR CURBED LANDSCAPE ISLANDS.
    - A.5. BASE COURSE PORTION OF PAVEMENT SECTIONS:
      - A.5.A. 90% MODIFIED PROCTOR FOR ALL BASE COURSE MATERIALS THAT ARE PART OF A "PAVEMENT SECTION".
  - B. THE OPTION OF UTILIZING THE MODIFIED PROCTOR (ASTM D1557) IN LIEU OF THE SPECIFIED STANDARD PROCTOR (ASTM D698) SHALL BE AT THE DISCRETION OF THE GENERAL CONTRACTOR, CONTINGENT UPON WRITTEN APPROVAL BY THE ARCHITECT AND OWNER'S ENGINEER.
  - C. ALL BACKFILL AND FILL MATERIALS SHALL BE PLACED IN LIFTS NOT GREATER THAN 8" IN LOOSE DEPTH. BEFORE COMPACTING, MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DENSITY OF THE AREA.
7. FINISH GRADING:
- A. THE TERM "FINISH GRADING" AS USED HEREIN SHALL BE DEFINED AS THAT CONDITION THAT AREAS NOT RECEIVING A FINISH PRODUCT SUCH AS PARKING AREAS, DRIVEWAYS, ROADWAYS, SIDEWALKS, ETC. FINISH GRADED AREAS WOULD GENERALLY BE THOSE AREAS RECEIVING "LANDSCAPING" SUCH AS SEED, SOD, TREES, BUSHES, MULCH, ETC.
  - B. THE SITE CONTRACTOR IS RESPONSIBLE FOR "FINISH GRADING" ALL AREAS WITHIN THE PERIMETER OF THE "CONSTRUCTION SITE". THE DEFINITION OF THE "CONSTRUCTION SITE" IS THE AREA ENCOMPASSING ALL DISTURBED AREAS THAT WERE DISTURBED AS A RESULT OF THE CONSTRUCTION PROCESS RELATING TO THE GENERAL CONTRACT OF WHICH THIS SITE CONTRACT WAS PART OF.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL ITEMS THAT IMPEDE THE PROPER PLACEMENT OF ANY ITEMS PROPOSED BY THIS PLAN SET.
2. THE REMOVAL WORK SHALL INCLUDE BUT NOT BE LIMITED TO: OBTAINING ALL DEMOLITION PERMITS REQUIRED, REMOVAL OF THE TENNIS NET, POSTS, REMOVE ASPHALT, AND ANY OTHER ITEMS NECESSARY PER PLANS.
3. THE CONTRACTOR SHALL REMOVE ALL MATERIALS DEEMED UNSUITABLE BY THE ENGINEER TO THE DEPTH THAT SUCH UNSUITABLE MATERIALS EXIST. VOIDS SHALL BE FILLED IN ACCORDANCE WITH THE "EARTHWORK NOTES" ON THIS PLAN SHEET.
4. TREE REMOVAL SHALL INCLUDE THE COMPLETE REMOVAL OF ALL ROOT STRUCTURES.
5. DISPOSAL OF ALL MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. ALL WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL MATERIALS FROM THE SITE, INCLUDING ALL ASSOCIATED PERMITS AND REGULATORY REQUIREMENTS.
6. THE CONTRACTOR SHALL BE FAMILIAR WITH THE APPROPRIATE SPECIFICATIONS FOR WELL ABANDONMENT, MATERIALS, PROCEDURES, AND ACCESS TO EQUIPMENT REQUIRED TO PROPERLY SEAL WELLS (IF ANY). THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN, COMPLETE, AND FILE THE APPROPRIATE FORMS THROUGH THE BOONE COUNTY HEALTH DEPARTMENT AND THE ILLINOIS ENVIRONMENT PROTECTION AGENCY (IEPA).
7. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITY SERVICES TO ADJACENT LOTS. INTERRUPTION OF SERVICES TO ADJACENT LOTS SHALL NOT OCCUR WITHOUT PROPER APPROVAL. A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN TO THE PROPERTY OWNERS PRIOR TO THE CONNECTION OF THE NEW SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH THE CONNECTION OF TEMPORARY UTILITY SERVICES, IF REQUIRED, TO FACILITATE CONSTRUCTION STAGING.
8. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC., ARE FREE AND CLEAR OF ANY CONSTRUCTION ACTIVITY AND / OR EXCAVATED AND HAULED MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM ADJACENT SITES.
9. THE CONTRACTOR SHALL PERFORM A FULL-DEPTH SAW CUT ALONG THE PERIMETER OF PAVEMENT REMOVAL THAT ABUTS EXISTING PAVEMENT THAT IS TO REMAIN.
10. ANY DAMAGE SUSTAINED BY ITEMS THAT ARE TO REMAIN IN PLACE SHALL BE REPAIRED OR REPLACED TO THE OWNER'S SATISFACTION AT NO COST TO THE OWNER.

ARC

DESIGN

RESOURCES INC.

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Illinois Design Firm License No. 184-001334

PROJECT NAME

OWNER'S NAME

ABERDEEN PARK

PICKLEBALL AND

TENNIS COURT

RENOVATION

1417 ORTH RD

BELVIDERE, IL 61008

BOONE COUNTY

BELVIDERE PARK DISTRICT

1006 W. LINCOLN AVE

BELVIDERE, 61008

(815) 547-5711

CONSULTANTS

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GENERAL NOTES

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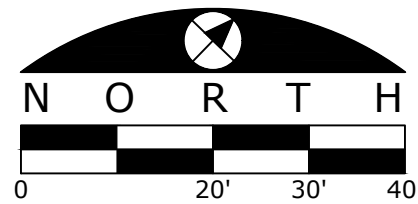
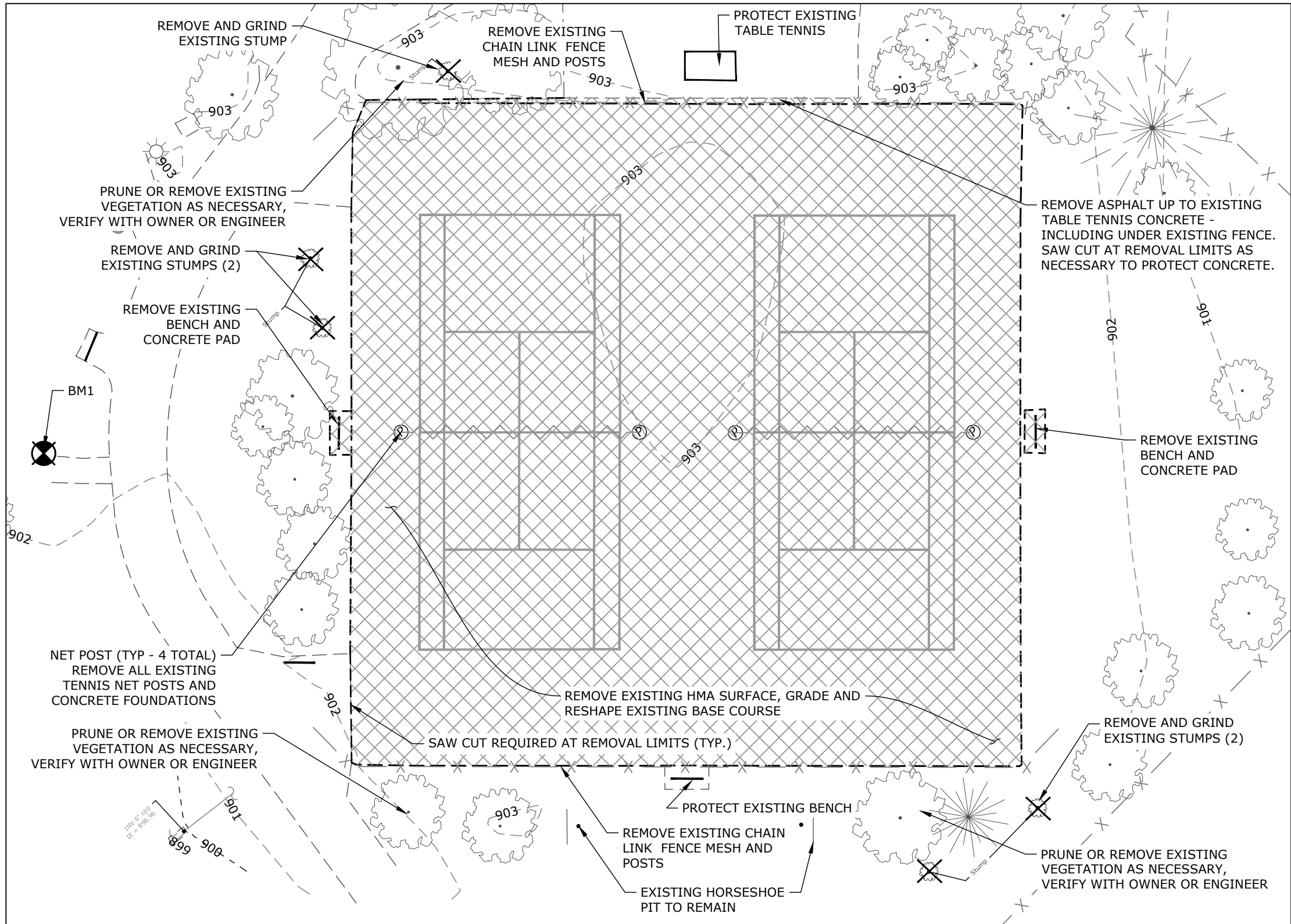
PROJECT NUMBER

SHEET NUMBER

23085

C-01

REMOVAL PLAN



BENCHMARK	
DESCRIPTION	ELEVATION (USGS)
BENCHMARK 1 X CUT ON CONCRETE	902.18'

REMOVAL PLAN LEGEND

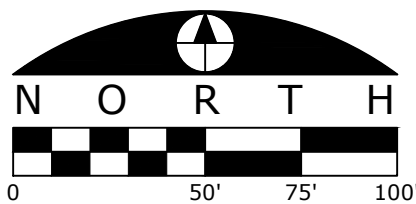
- EXISTING ASPHALT PAVEMENT (TENNIS COURT) TO BE REMOVED - BASE TO REMAIN
- EXISTING EDGE OF PAVEMENT TO BE REMOVED
- EXISTING PAVEMENT EDGE
- EXISTING FENCE TO REMAIN
- EXISTING TREE OR SHRUBS TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING NET POST TO BE REMOVED
- EXISTING NET TO BE SALVAGED AND PROVIDED TO BELVIDERE PARK DISTRICT

EROSION CONTROL LEGEND AND NOTES

- TEMPORARY SILT FENCE
- LIMITS OF DISTURBANCE

- CONTRACTOR SHALL PROVIDE SEDIMENT AND EROSION CONTROL METHODS AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. MEASURES SHOULD INCLUDE, BUT ARE NOT LIMITED TO SILT FENCE.
- THE CONTRACTOR MAY PERMANENTLY REMOVE ANY PORTION OF THE PERIMETER SILT FENCE AFTER ESTABLISHMENT OF FINAL GRADE AND/OR FINAL STABILIZATION RENDERS THE RESPECTIVE PORTION OF THE PERIMETER SILT FENCE UPSTREAM OF A DISTURBANCE AND/OR INEFFECTIVE AS A BEST MANAGEMENT PRACTICE. ANY SUCH REMOVAL SHALL BE NOTED ON THE SITE MAPS ALONG WITH UPSTREAM STABILIZATION AND GRADING CONDITIONS.
- SITE DISTURBANCE IS APPROXIMATELY 14,000 SF WHICH IS LESS THAN 1 ACRE AND THEREFORE A NPDES (NOI) PERMIT IS NOT REQUIRED.

SITE ACCESS / SEDIMENT AND EROSION CONTROL PLAN



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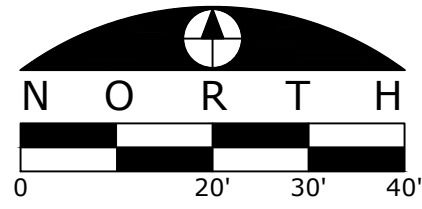
REMOVAL &  
EROSION CONTROL  
PLANS

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CHECKED	MPA
PM	RCS

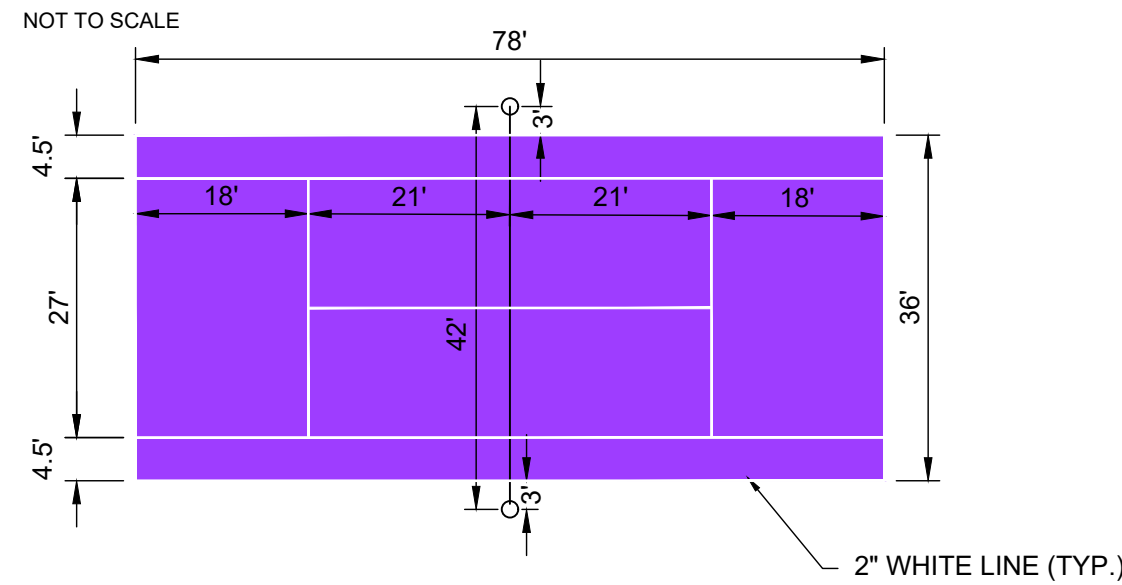
PROJECT NUMBER  
SHEET NUMBER

23085  
C-02

BENCHMARK	
DESCRIPTION	ELEVATION (USGS)
BENCHMARK 1 X CUT ON CONCRETE	902.18'



### TENNIS COURT DIMENSIONS DETAIL

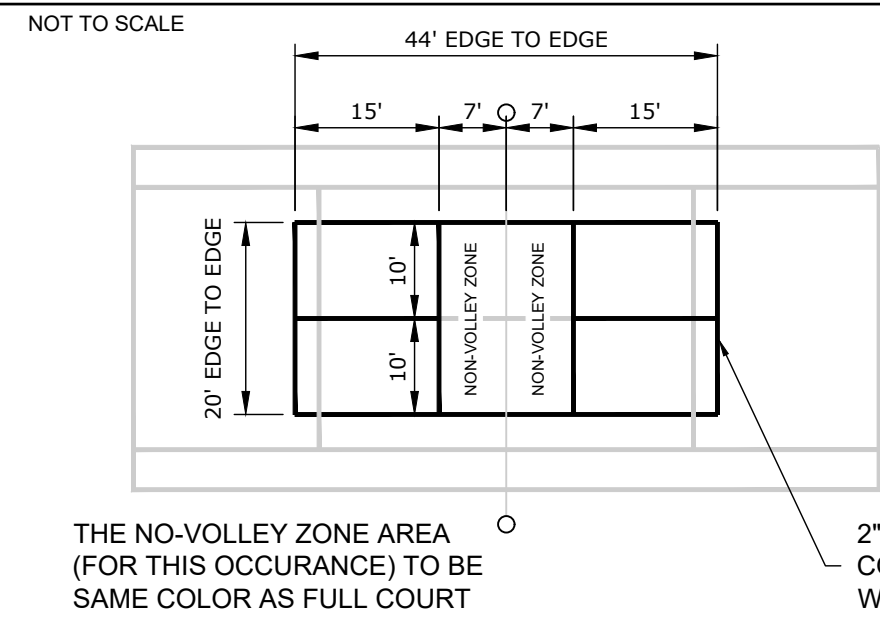


#### TENNIS COURT COLOR SCHEME

- COURTS TO BE TOURNAMENT PURPLE
- BORDERS TO BE LIGHT GREEN
- COURT LINES TO BE WHITE
- PICKLEBALL LINES TO BE DETERMINED BY OWNER.

REFER TO WRITTEN SPECIFICATIONS FOR TENNIS COURT SURFACING AND PAVEMENT MARKING REQUIREMENTS

### PICKLEBALL COURT DIMENSIONS - WHEN ON TENNIS COURT

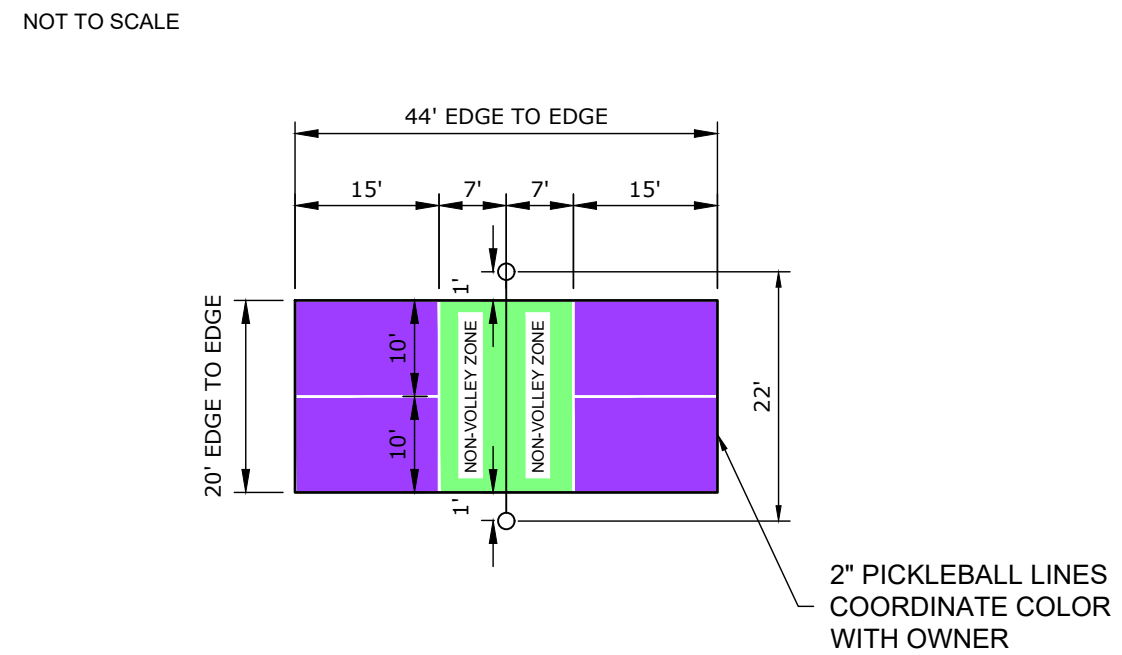


#### PICKLEBALL COURT COLOR SCHEME

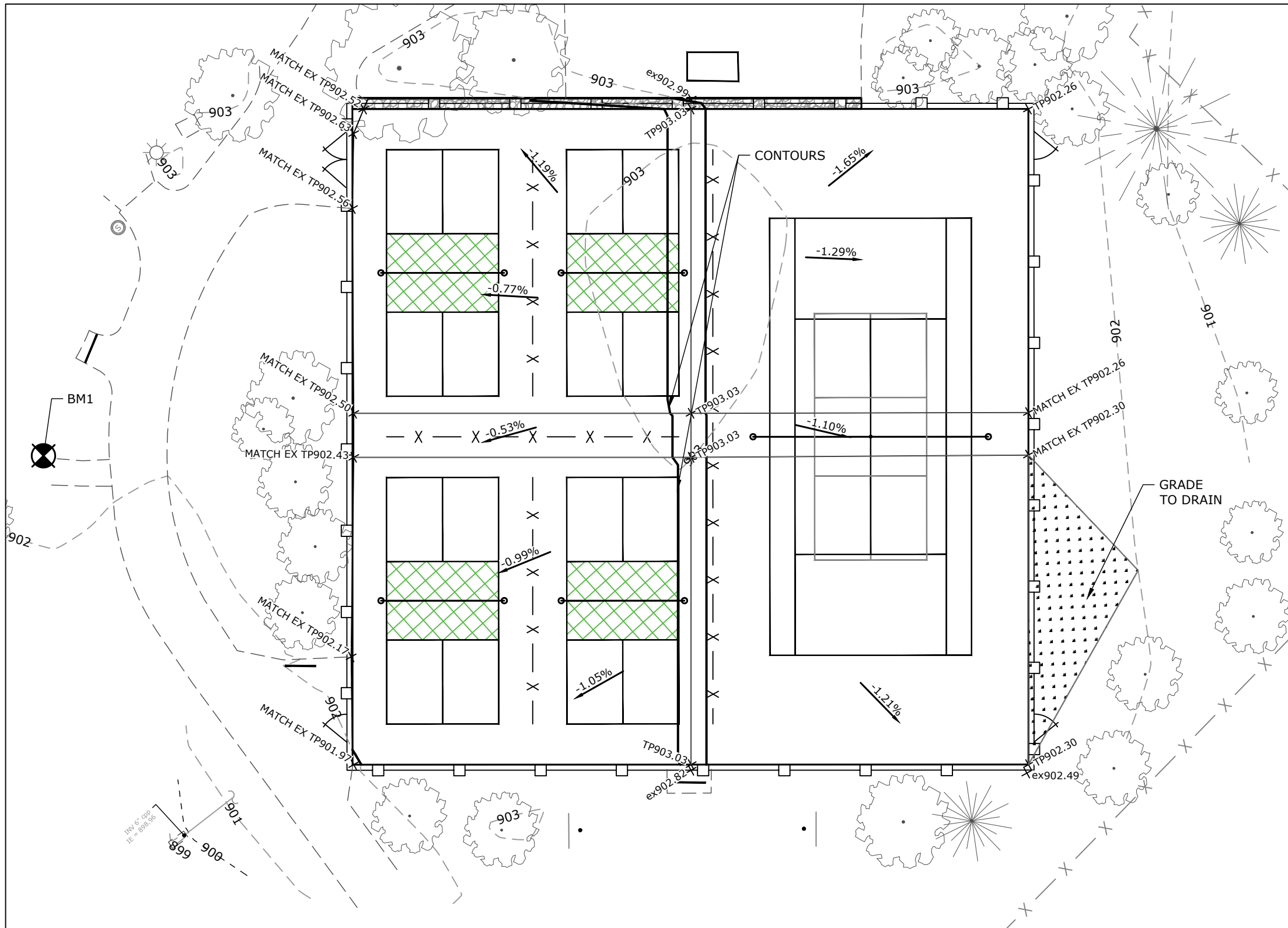
- COURTS TO BE TOURNAMENT PURPLE
- BORDERS TO BE LIGHT GREEN
- COURT LINES TO BE WHITE
- NO-VOLLEY ZONE AREA TO BE LIGHT GREEN

REFER TO WRITTEN SPECIFICATIONS FOR PICKLEBALL COURT SURFACING AND PAVEMENT MARKING REQUIREMENTS

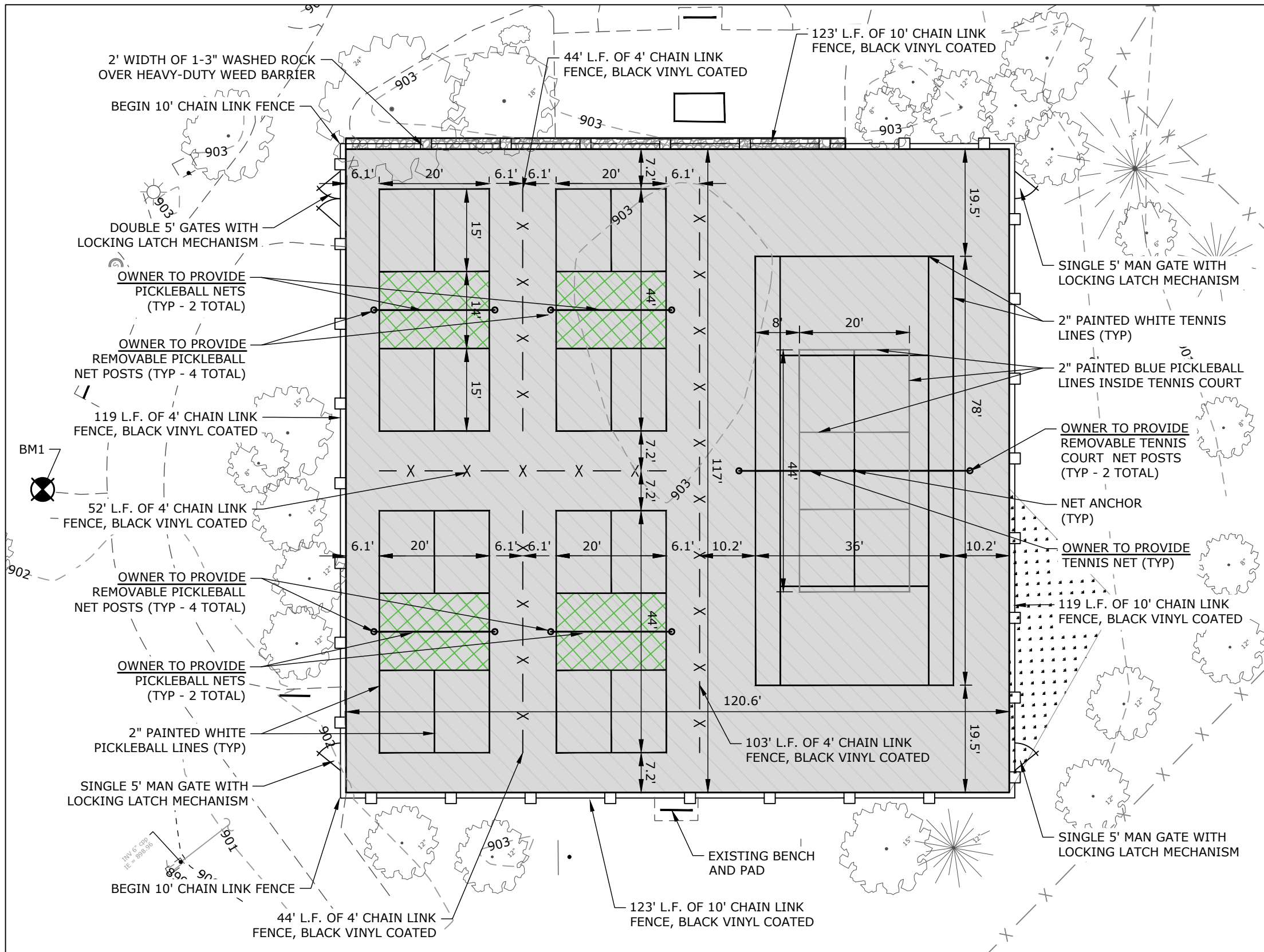
### PICKLEBALL COURT DIMENSIONS DETAIL



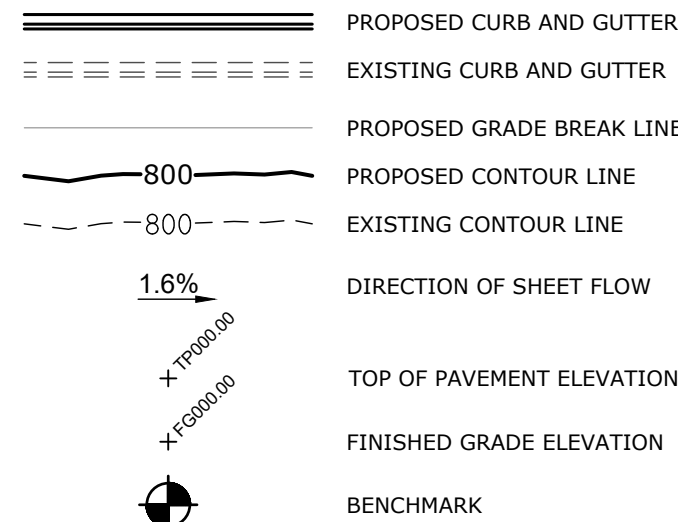
### GRADING PLAN



### LAYOUT PLAN



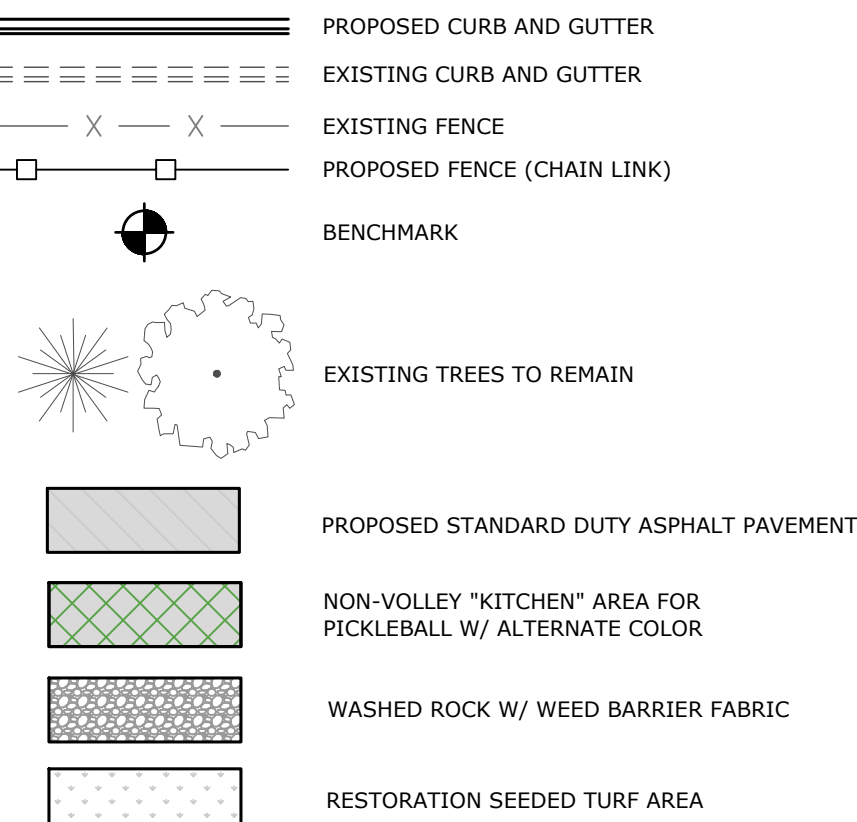
### GRADING LEGEND



### GRADING NOTES

- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, FLOOR ELEVATIONS CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL OR VERTICAL CONTROL BY REFERENCING SHOWN COORDINATES OR ELEVATIONS TO HORIZONTAL OR VERTICAL CONTROL POINTS PRIOR TO PROCEEDING WITH WORK.
- ALL UNSURFACED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL AND SODDED (OR SEEDED WHERE NOTED) AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- THE MAXIMUM SLOPE RATIO ON CUT/FILL SLOPES IS 3.5 HORIZONTAL TO 1 VERTICAL.
- PROPERTY CORNERS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL SET ALL CLEANOUT, MANHOLE AND INLET CASTINGS, FIRE HYDRANTS AND VALVE BOXES TO FINISHED GRADE.
- ALL PROPOSED PAVED AREAS SHALL BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND EXCAVATED OR FILLED TO WITHIN 0.10 FEET OF DESIGN SUBGRADE.
- THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AT THE CONCLUSION OF EACH WORKING DAY.
- CONTRACTOR TO SEED AND/OR SOD ALL DISTURBED LAWN AREAS. SEEDED AND SOD LAWN COMPOSITION TO BE A COMBINATION OF BLUEGRASS, PERENNIAL RYE AND RED FESCUE WITH THE SUGGESTED FOLLOWING ANALYSIS BY WEIGHT: 30% RUGBY KENTUCKY BLUEGRASS, 20% PARK KENTUCKY BLUEGRASS, 20% CREEPING RED FESCUE, 20% SCALDIS HARD FESCUE, AND 10% PERENNIAL RYEGRASS. SEED TO BE APPLIED AT A RATE OF 4 LBS. PER 1,000 S.F., ALL SEEDED LAWN AREAS SHALL BE COVERED WITH STRAW MULCH OR EROSION CONTROL NETTING, CONSISTING OF HAND OR MACHINE APPLICATION AT A RATE OF 2 TON PER ACRE. MULCH SHALL BE COMPACT ENOUGH TO REDUCE EROSION OF SEED AND TOPSOIL BUT LOOSE ENOUGH TO ALLOW AIR TO CIRCULATE. INSTALL PER METHOD 1, SECTION 251, OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ALL SEEDED TURF AREAS SHALL BE FERTILIZED AT INSTALLATION WITH 6-20-20 ANALYSIS, AT A RATE OF 6 LBS. PER 1,000 S.F.. A SECOND APPLICATION OF 21-7-14 TO BE APPLIED AT RATE OF 6 LBS. PER 1,000 S.F. AFTER THE FIRST CUTTING. ACCEPTANCE AND GUARANTEE NOTES SHALL APPLY TO ALL SEEDED AREAS. SODDED TURF AREAS TO BE FERTILIZED A WEEK AFTER INSTALLATION WITH 0-17-17 ANALYSIS, AT A RATE OF 4 LBS. PER 1,000 SF.
- ACCEPTANCE OF GRADING, SEED AND SOD SHALL BE BY LANDSCAPE ARCHITECT AND/OR OWNER. CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITIES FOR A MINIMUM OF SIXTY (60) DAYS OR UNTIL SECOND CUTTING, WHICHEVER IS LONGER. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, RE-SEEDING (WASH-OFFS) AND OTHER OPERATIONS NECESSARY TO KEEP LAWN IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE, OWNER SHALL ASSUME ALL MAINTENANCE RESPONSIBILITIES. AFTER LAWN AREAS HAVE GERMINATED, AREAS WHICH FAIL TO SHOW A UNIFORM STAND OF GRASS FOR ANY REASON WHATSOEVER SHALL BE RE-SEEDED REPEATEDLY UNTIL ALL AREAS ARE COVERED WITH A SATISFACTORY STAND OF GRASS. MINIMUM ACCEPTANCE OF SEEDED LAWN AREAS MAY INCLUDE SCATTERED BARE OR DEAD SPOTS, NONE OF WHICH ARE LARGER THAN ONE (1) SQUARE FOOT AND WHEN COMBINED DO NOT EXCEED 2% OF TOTAL LAWN AREA.

### LAYOUT LEGEND



### LAYOUT NOTES

- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, FLOOR ELEVATIONS, CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
- SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- ALL RADI ARE DIMENSIONED TO THE BACK OF CURB.
- SOME FIELD ADJUSTMENTS MAY BE NECESSARY AT POINTS WHERE PROPOSED PAVEMENT, CURB AND SIDEWALKS MEET EXISTING PAVEMENT, CURB AND SIDEWALKS. REVIEW ANY REQUIRED CHANGES WITH ENGINEER PRIOR TO CONSTRUCTION OF WORK.
- CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS NECESSARY TO INSTALL BLACK, PVC VINYL COATED, CHAIN LINK FENCE, POSTS, AND GATES WITH LOCKING MECHANISM IN LOCATIONS SHOWN ON PLAN. FENCE TO BE BOTH 4' AND 10' HEIGHTS, VERIFY LOCATIONS IN FIELD.
- CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS NECESSARY TO INSTALL CONCRETE FOOTINGS FOR THE TENNIS AND PICKLEBALL NET POSTS. CONTRACTOR TO INSTALL NETS AND RELATED EQUIPMENT FOR THE TENNIS AND PICKLEBALL COURTS AS SHOWN ON PLAN, OWNER TO PROVIDE ALL NET POSTS, NETS AND RELATED EQUIPMENT (PICKLEBALL AND TENNIS) FOR CONTRACTOR TO INSTALL.

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PROJECT NAME  
OWNER'S NAME

### ABERDEEN PARK PICKLEBALL AND TENNIS COURT RENOVATION

1417 ORTH RD  
BELVIDERE, IL 61008  
BOONE COUNTY

BELVIDERE PARK DISTRICT  
1006 W. LINCOLN AVE  
BELVIDERE, 61008  
(815) 547-5711

CONSULTANTS

ISSUED FOR

DATE

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SHEET TITLE

### LAYOUT & GRADING

DRAWN

JO/BES

CHECKED

MPA

PM

RCS

PROJECT NUMBER  
SHEET NUMBER

23085

C-03

