

**ADDENDUM #1**

**Answers to Questions Received for**

**COB Bid No. 2025-005**

**South Avenue Park Project #3:**

**Court Fencing**

**Bids DUE: March 27, 2025**

**AT 11:00 AM**

**BEACON, NEW YORK**

**Question 1) Does the whole booklet (244 pages) need to be returned with the bid?**

Answer 1) Information regarding preparation of bid, including required forms / attachments, are listed on page B-1 of the Information for Bidders. The following pages describe in greater detail the various requirements. The required forms can be found within the Contract Document book. The Statement of Bidders Qualifications Form is attached to this addendum. The following forms are to be submitted as part of the bid per the Bid Form:

- Required Bid Security
- Non-Collusive Bidding Certification (Page E-1)
- Information Sheet (Page B-6)
- Conflict of Interest Statement (Page B-7)
- Reference Sheet (Page B-8)
- Statement of Bidder's Qualifications (Pages B-12 – B-14)
- Certification of Limited Foreign Involvement (Page B-9)
- Sexual Harassment Prevention Policy Certification (Page B-10)
- Iran Divestment Act Compliance Certification (Page B-11)
- Certification Form: Labor Law § 220-i (Page N-1)

**Question 2) Specifications state that new 11ft high mesh is to be installed. The existing tennis court fence is 12ft in height and the existing basketball fence is 10ft in height. Is the 11ft height a typo?**

Answer 2) New mesh is to match the existing fence height per Sheet C501, Detail 1.

**Question 3) Sheet C501 of the drawings calls for new mesh to be 2". The existing mesh at the tennis court is 1-3/4" (as it typically should be for a tennis court fence). Is the contractor required to install 2" mesh as stated on the drawing or 1-3/4"?**

Answer 3) Mesh is to be 2" at the basketball court and 1-3/4" at the tennis courts. Refer to updated Sheet C501 and Specification 32 31 13 – CHAIN LINK FENCING.

**Question 4) According to drawing C102, the existing posts are to be painted black. Is there a specification for the painting? Are posts to be washed with mineral spirits prior to painting? Are posts required to be primed before the finish coat? If so, what type of primer is to be used? What type of finish coat (black) is to be used? How many coats are we required to apply?**

Answer 4) Refer to attached Specification 09 91 00 – FIELD PAINTING for painting requirements. Specification shall be added to the Contract Documents and be considered part of the Contract.

**Question 5) Is the new mesh also required to be black? If so, what gauge is required? Is the new mesh required to be fuse bonded, or regular extruded?**

Answer 5) New mesh is to be 6 gauge, galvanized steel, vinyl coated black and conform to the requirements of Specification 32 31 13 – CHAIN LINK FENCING.

**Question 6) Will parks be off limits to the public while we are performing work?**

Answer 6) Contractor shall be responsible for coordinating with the City on temporary closure of work areas & protection of the project area with temporary fencing, barricades, signage, etc. as necessary to perform the work.

Attachments:

- Information for Bidders
- Statement of Bidders Qualifications Form
- Revised Specification 32 31 13 – Chain Link Fencing
- New Specification 09 91 00 – Field Painting
- Revised Plan Sheets: C501

- END OF ADDENDUM #1 -

# INFORMATION FOR BIDDERS

## 1. RECEIPT AND OPENING OF BIDS

The City of Beacon, Dutchess County, New York (herein, called the "Owner") invites bids on the form attached hereto, all blanks of which must be appropriately filled in. Envelopes containing the bids must be sealed, addressed to: City of Beacon, City Hall, One Municipal Plaza, Beacon, New York 12508 and designated as **South Avenue Park Project #3: Court Fencing** must be actually received not later than the time and the date specified in the Advertisement for Bids.

The Owner may consider informal any bid not prepared and submitted in accordance with the provisions thereof and may waive any informalities or reject any or all bids. Any bid may be withdrawn prior to the above scheduled time for the opening of bids. Any bid received after the time and date specified shall not be considered. No bidder may withdraw a bid within 45 days after the actual date of the opening thereof.

## 2. PREPARATION OF BID

Each bid must be submitted on the prescribed form. All blank spaces for bid prices must be completed in ink or by typewriter. In addition to the prescribed form, each bid must be accompanied by the following:

1. Required Bid Security
2. Information Sheet
3. Conflict of Interest Statement
4. Reference Sheet
5. Non-Collusive Bidding Certificate
6. **Statement of Bidders Qualifications**
7. Certification of Limited Foreign Involvement
8. Sexual Harassment Prevention Policy Certification
9. Iran Divestment Act Compliance Certification
10. Certification Form: Labor Law § 220-i

Each envelope containing a bid must bear on the outside the name and address of the bidder, and the name of the project for which the bid is submitted and **COB Bid No. 2025-005**. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed as specified above. The Contractor assumes the risk of any error or delay in the delivery of its bid by whatever delivery means it chooses (e.g. mail, hand delivery, courier, overnight service or other means) including the handling of mail by employees of the City of Beacon.

The Contractor shall not include in the bid any sales and compensating use taxes of the State of New York or of any City or County in the State of New York for any materials which are to be incorporated in the work. The City has a tax exemption number and forms which will be made available to the successful bidder to the extent permitted under the present applicable statutes.

No bids will be accepted unless the Non-Collusive Bidding Certificate provided in these specifications is properly executed and submitted with the bid, as required by the General Municipal Law.

### 3. BID MODIFICATION AND WITHDRAWAL

Any bidder may modify or withdraw its bid by telegraphic or written communication at any time prior to the opening of bids, provided such communication is received by the Owner prior to the opening, and provided further, the Owner is satisfied that a written confirmation of the telegraphic modification over the signature of the bidder was mailed prior to the opening time. The communication should not reveal the bid price but should provide the addition or subtraction or other modification so that the final prices or terms will not be known by the Owner until the sealed bid is opened. If written confirmation is not received within two days from the opening of bids time, no consideration will be given to the telegraphic modification.

### 4. METHOD OF BIDDING

- A. The bid is lump sum.
- B. Lowest Bidder:

Bids will be compared on the basis of the correct totals of the schedule of quantities comprising all items at the unit and lump sum prices bid for these items. The lowest bidder under each Contract will be that Bidder whose Bid totals the lowest number of dollars as determined above.

Owner reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time or changes in the Work and to negotiate contract terms with the Successful Bidder, and the right to disregard all nonconforming, non-responsive, unbalanced or conditional Bids. Also, Owner reserves the right to reject the Bid of any Bidder if Owner believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive, or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by Owner. Discrepancies in the Multiplication of units of Work and unit prices will be resolved in favor of the Unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

When numbered Alternate Bid items are required, the lowest Bidder is the Bidder whose Bid for the Alternate or combination of Alternates, selected by Owner, is the lowest. It shall be understood that the Owner reserves the right to select any alternate or combination of Alternates.

The alternate Bid Items are provided because of the City of Beacon's budgetary constraints and to achieve the economy of scale.

### 5. BID SECURITY

Each bid must be accompanied by cash, certified check of the bidder or a bid bond prepared on the Bid Bond Form attached, duly executed by the bidder as principal and having as surety thereon a surety company approved by the Owner, **licensed in the state of New York with a minimum rating of "bbb"**, in the amount of 5% of the total contract bid. Such cash, checks or bid bonds will be returned to all except the three lowest bidders within three days after the opening of bids, and the remaining cash, checks, or bid bonds will be returned promptly after the Owner and accepted bidder have executed the contract, or, if no award has been made within 45 days after the

date of the opening of bids, upon demand of the bidder at anytime thereafter, as long as he has not been notified of the acceptance of his bid. Bid Security shall be made payable to the City of Beacon.

#### 6. 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 15 days after he has received notice of the acceptance of his bid, shall forfeit to the Owner the security deposited with this bid, which sum is agreed on as the proper measure of liquidated damages that the Owner will sustain as a result of the failure or refusal to execute and deliver the contract and bonds as required in this paragraph. This sum is not to be construed in any sense as a penalty but as a good faith measure of the economic injury to the Owner which otherwise is impractical to calculate.

#### 7. ADDENDA AND INTERPRETATIONS

**No interpretations of the meaning of the plans, specifications or other pre-bid documents will be made to any bidder orally. Every request for such interpretation should be in writing addressed to Weston & Sampson PE, LS, LA, Architects, PC, 1 Winners Circle, Suite 130, Albany, New York 12205 or via email to Jack Grieshofer, RLA at grieshoferj@wseinc.com. To be given consideration, questions must be received at least five working days prior to the date fixed for the opening of bids.** Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the specifications which, if issued, will be distributed to all prospective bidders listed as plan holders (at the respective address or email furnished for such purposes) not later than three working days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such addendum or interpretation shall not relieve such bidder from any obligation under his bid as submitted. All addenda so issued shall become part of the contract documents.

#### 8. SECURITY FOR FAITHFUL PERFORMANCE

Simultaneously with his delivery of the executed contract, the Contractor shall furnish a Construction Performance Bond and a Construction Payment Bond in amounts equal to 100% of contract price, as security for faithful performance of this contract and for the payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract, as specified in the General Conditions included herein. **Each bond shall state "The amount of the bond shall be adjusted to reflect the effect of any changes ordered by the owner by a Written Amendment, a Change Order, or a Work Change Directive".** The surety on such bond or bonds shall be a duly authorized surety company satisfactory to the Owner, **licensed in the state of New York with a minimum rating of "bbb",** and shall be prepared on the forms found in these contract documents.

#### 9. WARRANTY AND GUARANTEE

The Contractor shall warrant and guarantee all his work and material for a period of two years after final acceptance by the Owner in accordance with the General Conditions. The Owner shall retain 5% of the total completed works cost during this **two-year** period unless the Contractor provides an

acceptable Maintenance Bond in the same amount, or unless his Performance Bond covers this two-year period.

10. OBLIGATION OF BIDDER

At the time of the opening of bids, each bidder will be presumed to have inspected the Technical Specifications and to have read and to be thoroughly familiar with the 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. The lowest bidder shall supply the names and addresses of major material suppliers and subcontractors when requested to do so by the Owner.

11. OBLIGATION OF BIDDER

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 bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the contract. Conditional bids will not be accepted.

12. POWER OF ATTORNEY

Attorneys-in-fact who sign Bid Bonds or Payment Bonds and Performance Bonds must file with each Bond a certified and effective dated copy of their power of attorney.

13. TIME OF COMPLETION AND LIQUIDATED DAMAGES

Bidder must agree to complete all work, no later than 90 calendar days after the date specified in the Notice to Proceed.

Bidder must agree to pay in accordance with the following schedule for each consecutive calendar day the project completion extends past the completion date, which sum is agreed on as the proper measure of liquidated damages that the Owner will sustain per diem by the failure of the Bidder to complete the work in the time stipulated, and this sum is not to be construed in any sense as a penalty but a good faith measure of the economic injury to the Owner which is otherwise impractical to calculate.

Original Contract Amount		Liquidated Damages Per Day
From More Than	To and Including	
\$0	\$25,000	\$575
\$25,000	\$50,000	\$600
\$50,000	\$100,00	\$725
\$100,000	\$500,000	\$825
\$500,000	\$2,000,000	\$1,025

#### 14. LAWS AND REGULATIONS

The bidder's attention is directed to the fact that all applicable State laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over 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 in full.

#### 15. ADDITIONS AND DELETIONS

The Owner may elect to delete from the contract any portion of the work or material described. Any major alterations, either subtractions or additions, will be made prior to the contract award.

#### 16. INSURANCE

During the life of the contract, the Contractor shall maintain in full force and effect the following.

1. Workers Compensation Insurance and New York State Disability Insurance in conformity with the applicable laws of the State of New York.
2. Contractor's Comprehensive General Liability and Property Damage Insurance.
3. Contractor's Protective Comprehensive General Liability and Property Damage Insurance in his own name and for Sub-contractor operations.
4. Contractor's Protective Comprehensive General Liability and Property Damage Liability Insurance in the name of the Owner.
5. Bodily Injury Liability and Property Damage Liability Insurance for all automotive equipment utilized for this contract.

The Contractor shall furnish to OWNER Certificates of Insurance as evidence of coverage prior to commencement of the PROJECT and naming the OWNER and ENGINEER as Additional Insured on a primary and non-contributory basis. Waiver of Subrogation in favor of the OWNER is to be included.

The Contractor shall provide thirty (30) days written notice to the OWNER, by registered mail with return receipt requested, prior to cancellation or expiration of the policy. Policies that lapse and/or expire during term of work shall be recertified and received by the OWNER no less than thirty (30) days prior to expiration or cancellation. All carriers listed in the certificates of insurance shall be A.M. Best Rated A VII or better and be licensed in the State of New York.

## STATEMENT OF BIDDERS QUALIFICATIONS

The Undersigned certifies under oath the truth and correctness of all statements and of all answers to questions made hereinafter. Answer all questions in a clear and comprehensive manner. This form must be completed in full and sealed (if corporation) or signed by all partners. The bidder may submit any additional information he/she desires.

**NOTE: THIS STATEMENT MUST BE NOTARIZED.**

### **SUBMITTED BY:**

Name of Bidder: \_\_\_\_\_

Federal Identification Number: \_\_\_\_\_

Permanent Principal Office Address:

Corporation \_\_\_ Partnership \_\_\_ Individual \_\_\_ Joint Venture  
Other

1. Date When Firm Organized:
2. State of incorporation:
3. How many years has your organization been engaged in contracting under your present firm or trade name?
4. Have you ever failed to complete any work awarded to you? If so, note when, where, and why:
5. Has any office or partner of your organization ever been an officer or partner of another organization that failed to complete a construction contract? \_\_\_\_\_ If so, state circumstances:



9. Experience in work similar in scope and scale to this project:
  
  
  
  
  
  
  
  
  
  
10. List the construction experience of the principal individuals of your organization:
  
  
  
  
  
  
  
  
  
  
11. Trade References:
  
  
  
  
  
  
  
  
  
  
12. Bank References:

State of New York    Name of Bidder:

County of (            )    Date:

On this \_\_\_\_\_ day of \_\_\_\_\_, 202\_\_ before me came

\_\_\_\_\_ to me known to be the individual(s)

described in and who executed the foregoing instrument and acknowledged

that he/she executed the same.

Notary Public

County

## SECTION 09 91 00

### FIELD PAINTING

#### PART 1 - GENERAL

##### 1.01 WORK INCLUDED:

- A. This Section covers field painting and coating of surfaces, complete. Shop painting of metal items is specified under the applicable item.
- B. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specifications Sections, apply to this Section.
- C. Surfaces to be painted and the types of paints to be applied is included herein, included but not limited to:
  - 1. Existing Metal Fence and Gates to be repaired and repainted.
- D. Surface preparation, including but not limited to scraping, sanding, parging proposed painted surfaces.
- E. Painting shall include, but is not limited to, chain link fence posts, rails, post tops, gates, associated fence hardware and accessories, and touch up to new improvements.
- F. Unless otherwise indicated, the following items shall not be painted:
  - 1. Labels on equipment, such as Underwriters' Laboratories and Factory Mutual, equipment identification, performance rating, and name or nomenclature plates.
  - 2. Moving parts of operating units, exposed bolt threads, mechanical and electrical parts, such as valve and damper operators, linkages, sensing devices, motor and fan shafts.
  - 3. Electrical conduit unless mounted on painted or finished surfaces or exposed in a finished room.
  - 4. Structural steel not exposed to view, and other parts of buildings also not exposed to view.
  - 5. Stainless steel.
  - 6. Plumbing fixtures.

- 7. Factory prefinished architectural components.
- \*8. Electrical panels and cabinets factory finish painted.
- 9. Handrails

\* Except for touch-up painting when required

1.02 RELATED WORK:

- A. SECTION 32 31 13 CHAIN LINK FENCING.

1.03 SYSTEM DESCRIPTION:

- A. The term "paint" as used herein includes emulsions, enamels, paints, stains, varnishes, sealers, and other coatings, organic or inorganic, whether used as prime, intermediate, or finish coats.
- B. The Contractor shall do a complete painting job throughout the work in accordance with generally approved modern practices for work of high quality. Unless otherwise specified, all materials and surfaces customarily painted shall be given not less than one shop coat and two field coats or one prime coat and two finish coats, regardless of whether or not the surface to be painted is specifically mentioned.
- C. Paints containing lead shall not be used.
- D. The colors of finish coatings shall be selected by the Owner's Representative from color chips submitted by the Contractor for review. The color selection shall be in the form of a schedule indicating the colors to be used on the various surfaces. The colors used in the final work shall be in accordance with the color schedule and shall match the selected color chips.
- E. Paints submitted shall meet all Federal and State E.P.A. regulations pertaining to volatile organic compounds (VOC) compliance.

1.04 REFERENCES:

- A. The following standards form a part of these specifications, and indicate the minimum standards required:

American Society for Testing and Materials (ASTM)

ASTM	F1869	Moisture Vapor Emission Rate Using Anhydrous Calcium Chloride
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1.05 SUBMITTALS: IN ACCORDANCE WITH REQUIREMENTS OF GENERAL CONDITIONS, SUBMIT THE FOLLOWING:

- A. Manufacturer's literature of proposed paints shall be submitted to the Owner's Representative for review.
- B. Color chips shall be submitted to the Owner's Representative for selection of colors.

1.06 DELIVERY AND STORAGE:

- A. Paint shall be delivered to the site in the manufacturer's sealed containers. Each container shall bear the manufacturer's label, listing the brand name, type and color of paint, and instructions for thinning. Thinning shall be done only in accordance with directions of the manufacturer. Job mixing or job tinting may be done when approved by the Owner's Representative and for preparing sample colors.
- B. Painting materials shall be stored and mixed in a single location designated by the Owner's Representative for this purpose. The Contractor shall not use any plumbing fixture or pipe for mixing or for disposal of any refuse. He shall carry all necessary water to his mixing room and shall dispose of all waste in a suitable receptacle, to be removed from the project site at the end of each workday. The Contractor will be held responsible for any damage done due to failure to observe these precautions.
- C. The paint storage area shall be kept clean at all times, and any damage thereto or to its surroundings shall be repaired. Any oily rags, waste, etc., shall be removed from the project site every night, and every precaution shall be taken to avoid danger of fire.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. Except as otherwise indicated, all paint used shall be of the type listed in the schedule below, by Tnemec Company, Inc., or equivalent paints by Sherwin-Williams Company, International Paints, or other approved paint fully equal to paint manufactured by the above named companies. No brand other than those named will be considered for approval unless the brand and type of paint proposed for each item in the following painting schedule are submitted in writing to the Engineer, along with sufficient data supported by certified tests.
- B. The existing metal fencing shall be field painted in accordance with the following:
  - 1. First field coat, except as otherwise noted, shall have a minimum dry film thickness of 4.0 mils of L69F Expoxoline II catalyzed epoxy by Tnemec Co.; or approved equal.

2. Second field coat, except as otherwise noted, shall have a minimum dry film thickness of 3.0 mils of 73 Endura-Shield acrylic polyurethane by Tnemec Co.; or approved equal.

3. Color shall be selected by the Owner's Representative.

B. SPARE PAINT:

1. Furnish to the Owner one unopened gallon of each type and color of paint used on the work.

PART 3 - EXECUTION

3.01 SURFACE PREPARATION:

A. Before any surface is painted, it shall be cleaned carefully of all dust, dirt, grease, loose rust, mill scale, old weathered paint, efflorescence, etc. All necessary special preparatory treatment, including but not limited to sand blasting, shall then be applied. Where required, imperfections and holes in surfaces to be painted shall be filled in an approved manner.

B. Cleaning and painting shall be so programmed that dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

C. Surfaces which have been cleaned, pretreated, or otherwise prepared for painting, shall be painted with the first field coat as soon as practicable after such preparation has been completed, but in any event prior to any deterioration of the prepared surface.

D. All nonferrous metal surfaces to be painted shall be cleaned of all dirt, grease, oil and other foreign substances uniformly profiled per SSPC SP 7.

E. Before application of the first full field coat, abraded areas of all non-galvanized ferrous metal items having shop coats shall be touched up with paint.

3.02 APPLICATION:

A. Paint shall be used and applied as recommended by the manufacturer without being extended or modified, and with particular attention to the correct preparation and condition of surfaces to be painted.

B. Paint shall be applied only within the temperature range recommended by the manufacturer. Painting of surfaces when they are exposed to the sun shall be avoided.

- C. Paint shall not be applied to wet or damp surfaces and shall not be applied in rain, snow, fog, or mist, or when the relative humidity exceeds 85 percent.
- D. No paint shall be applied when it is expected that the relative humidity will exceed 85 percent or that the air temperature will drop below 40°F within 18 hours after the application of paint. Dew or moisture condensation should be anticipated and if such conditions are prevalent, painting shall be delayed until midmorning to be certain that the surfaces are dry. Further, the days painting should be completed well in advance of the probable time of day when condensation will occur, in order to permit the film an appreciable drying time prior to the formation of moisture.
- E. All paint shall be applied under favorable conditions by skilled painters and shall be brushed out carefully to a smooth, even coating without run or sags. Enamel shall be applied evenly and smoothly. Each coat of paint shall be allowed to dry thoroughly, not only on the surface but also throughout the thickness of the paint film before the next coat is applied. Finish surfaces shall be uniform in finish and color, and free from flash spots and brush marks. In all cases, the paint film produced shall be satisfactory in all respects to the Owner's Representative.
- F. Exposed nails and other ferrous metal or surfaces to be painted with water-thinned paints shall be spot primed with aluminum paints.
- G. In order to provide contrast between successive coats, each coat shall be of such tint as will distinguish it from preceding coats.
- H. The Contractor shall not only protect his work at all times, but shall also protect all adjacent work and materials by the use of sufficient drop cloths during the progress of his work. Upon completion of the work, he shall clean up all paint, spots, oil, and stains from floors, glass, hardware, and similar finished items.
- I. Paint shall be applied so as to obtain coverage per gallon and the dry film thickness recommended by the manufacturer. The Contractor shall record in a manner satisfactory to the Owner's Representative, the quantities of paint used for successive coats on the various parts of the work.
- J. Spraying with adequate apparatus may be substituted for brush application of those paints and in those locations for which spraying is suitable.
- K. If paints are thinned for spraying, the film thickness after application shall be the same as though the unthinned paint were applied by brush. That is, the addition of a thinner shall not be used as a means of extending the coverage of the paint, but the area covered shall be no greater than the area that would have been covered with the same quantity of unthinned paint.
- L. Blast cleaned metal surfaces shall be coated immediately after cleaning, before any

rusting or other deterioration or contamination of the surface occurs. Blast cleaned surfaces shall be coated not later than 8 hours after cleaning under ideal conditions or sooner if conditions are not ideal.

- M. The use of carbon dioxide or carbon monoxide emitting heaters is not permitted during the painting operation. Only indirect hot-air systems shall be permitted.

### 3.03 CLEANUP:

- A. The Contractor shall always keep the premises free from accumulation of waste material and rubbish caused by his employees or work. At the completion of the painting, he shall remove all his tools, scaffolding, surplus materials, and all of his rubbish from and about the buildings and shall leave his work "broom clean" unless more exactly specified.
- B. The Contractor shall also, upon completion, remove all paint where it has been spilled, splashed, or splattered on all surfaces, including floors, fixtures, equipment, furniture, glass, hardware, etc., leaving the work ready for inspection.

END OF SECTION

SECTION 32 31 13

CHAIN LINK FENCING

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This section includes the following:
  - 1. Complete construction of all chain link fences, gates, and appurtenances, as indicated on the Plans and specified herein after.

1.03 RELATED WORK

- A. SECTION 01 33 00 SUBMITTALS.
- B. **SECTION 09 91 00 FIELD PAINTING.**

1.04 SUBMITTALS

- A. Product Data: Material, descriptions, construction details, dimensions of individual components and profiles, and finishes for the following:
  - 1. Fence and gate posts, rails, and fittings.
  - 2. Chain-link fabric, reinforcements, and attachments.
  - 3. Gates and hardware.
- B. Shop Drawings: Show locations of fence, each gate, posts, rails, and tension wires and details of extended posts, extension arms, gate swing, or other operation, hardware, and accessories. Indicate materials, dimensions, sizes, weights, and finishes of components. Include plans, elevations, sections, gate swing and other required installation and operational clearances, and details of post anchorage and attachment and bracing.
- C. Product Certificates: Signed by manufacturer of chain-link fences and gates certifying that products furnished comply with requirements.

- D. Qualification Data: For firms and persons specified in “Quality Assurance” Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

#### 1.05 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed chain-link fences and gates similar in material, design, and extent to those indicated for this Project and whose work has resulted in construction with a record of successful in-service performance. (Minimum 5 years experience). Source Limitation for Chain-Link Fences and Gates: Obtain each color, grade, finish, type, and variety of component for chain-link fences and gates from one source with resources to provide chain-link fences and gates of consistent quality in appearance and physical properties.

#### 1.06 PROJECT CONDITIONS

- A. Notify Owner and Owner’s Representative at least 24 hours in advance of commencing the Work of this Section.
- B. Existing Conditions: Ground should be dry and not spongy before commencing the Work of this Section. Rock may be encountered during footing excavation and shall be removed to the specified depth at no additional cost to the Owner.

#### 1.07 SEQUENCING AND SCHEDULING

- A. The Work of this Section should not commence until the following are complete.
  - 1. Underground systems have been installed.
  - 2. Subgrades have been accepted.
- B. Set concrete at posts so top of concrete is at finished grade. Crown top for drainage. Footing excavation to be clean utilizing an auger.

### PART 2 – PRODUCTS

#### 2.01 FABRIC

- A. Woven into a **2"**-diamond mesh in which the individual pickets are helically woven and interwoven in the form of a continuous chain link fabric.
  - 1. Fabric shall be galvanized steel and vinyl coated black.

- 2. Fabric Wire Gauges: (Core Wire Gauge)
  - a. 6 gauge.
- 3. **Diamond mesh shall be 2” when installed around basketball court, and 1-3/4” when installed around tennis court.**

B. Selvage: Knuckled at both selvages.

2.02 LINE POSTS: Existing posts are to be used for installation of new fence rails and fabric. If existing posts are found to be in poor condition and require replacement, conform to the following:

- A. Line posts shall be galvanized Class B steel tubing, sized meeting the requirements of heavy duty commercial fencing. Posts to be galvanized steel and vinyl coated.
- B. Of sufficient length to allow for installation to a depth of no less than four feet below finished grade. (Footing depth to be five feet below finished grade).

2.03 TERMINAL, CORNER, GATE AND PULL POSTS: Existing posts are to be used for installation of new fence rails and fabric. If existing posts are found to be in poor condition and require replacement, conform to the following:

- A. End, corner and pull posts shall be Class B galvanized steel tubing, sized meeting the requirements of heavy duty commercial fencing. Posts to be galvanized steel and vinyl, of sufficient length to allow for a depth of no less than four feet below finished grade.
- B. Gate posts shall be galvanized steel class B and conform to the following;

<u>Gate Leaf Single Width</u>	<u>Post Sizes</u>
6' & less	4" OD Schedule 40
6' - 12'	4" OD Schedule 40
12' - 19'	6-5/8" OD Schedule 40

2.04 POST TOPS: Existing posts are to be used for installation of new fence rails and fabric. If existing posts are found to be in poor condition and require replacement, conform to the following:

- A. Tubular post tops shall be galvanized steel and so designed as to exclude moisture from the posts.

2.05 TOP RAIL/BOTTOM RAIL

- A. The fence shall have a continuous top and bottom steel rail for its full length of 1-

5/8" O.D. galvanized tubing weighing 1.35 lbs. per lineal foot as per U.S. Government Specification RR-F-191/3B. The top and bottom rail shall pass through openings provided in the line post tops and each length shall be coupled with an internal swaged sleeve for a distance of 3". The fabric shall be attached to the top and bottom rail by means of double wrapped 13 (.091") gauge tie wires spaced at intervals of approximately 24". (All components to be galvanized and vinyl coated).

## 2.06 TRUSS BRACES

- A. For fences with fabric over 6' high, a brace rail of 1-5/8" O.D. galvanized steel tubing weighing 1.35 lbs. per lineal foot, along with a 5/16" steel truss rod and turnbuckle attachment shall be installed between terminal, corner and gate posts and each adjacent line post. (All components to be vinyl coated).

## 2.07 TENSION BARS, BANDS AND FITTINGS

- A. For fences using square terminal posts, fabric shall be attached to the square post by means of a tension bar held in place by specially designed clips. When pipe gate posts are used, fabric shall be attached to these posts by means of bands and tension bars. The fabric shall be attached to "C" section line posts by coated steel ties at intervals not to exceed 15". (All components to be vinyl coated).

## 2.08 GATES

- A. Gate frames shall be constructed of 2" square galvanized steel tubing joined at the corners by specially designed corner fittings. Internal bracing shall be 1-1/4" square steel tubing. The fabric shall be attached to the frame on all four sides by means of special hook connectors and tension rods. All gates shall be equipped with galvanized steel hinges, latch, and gate holdbacks. Latch shall be forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as an integral part of latch. Double gates shall be equipped with a drop bar. (All components to be vinyl coated).

## 2.09 CAST-IN-PLACE CONCRETE

- A. General: Comply with ACI 301 for cast-in-place concrete.
- B. Materials: Portland cement complying with ASTM C 150 aggregates complying with ASTM C 33, and potable water for ready-mixed concrete complying with ASTM C 94.
  - 1. Concrete Mixes: Normal-weight concrete air entrained with not less than 4000-psi compressive strength (28 days), 3-inch slump, and 1-inch maximum size aggregate.

## 2.10 GROUT AND ANCHORING CEMENT

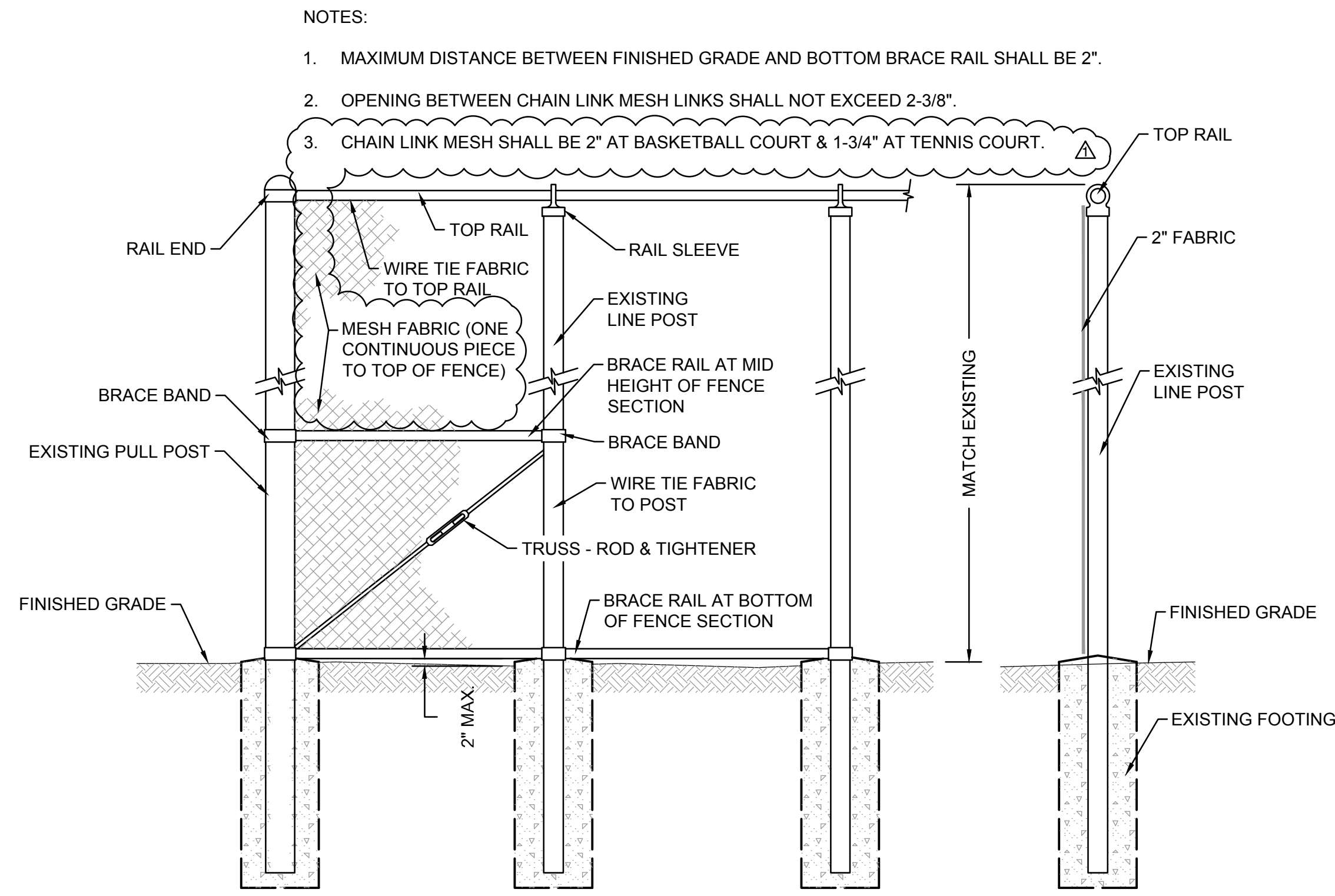
- A. Non-shrink, Non-metallic Grout: Premixed, factory-packages, non-staining, non-corrosive, non-gaseous grout complying with ASTM C 1107. Provide grout, recommended in writing by manufacturer, for exterior applications.
- B. Erosion-Resistant Anchoring Cement: Factory-packaged, non-shrink, non-staining, 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

- 3.01 Metal fence posts shall be set plumb and the tops of the posts shall be brought to a smooth grade line. All metal fence posts shall be set in 4,000 psi concrete.
- 3.02 Metal fence post spacing and location shall be as follows: line posts shall have 10 foot spacing to location equidistant on the fence line. End posts shall be at the last point in the fence line and at gates. One brace assembly per end post is required. Corner posts shall be at changes of direction of 30 degrees or greater and two brace assemblies are required. Pull posts shall be at 500 foot spacing, at ends, corners, and abrupt changes in direction or grade. Two brace assemblies are required per pull post.
- 3.03 Concrete post foundations shall be cast clean in the ground (auger cut) and around the posts and the top surface shall be domed one inch above grade to shed water, provide a neat appearance when completed. Posts shall be set in holes in sizes as indicated on the plans. Terminal posts shall have braces of the quantity previously specified herein. These braces shall be securely fastened to the line posts and terminals by brace bands, rail ends, nuts and bolts. The top rail shall pass through the loops of the line post caps to form a continuous brace end-to-end of each stretch of fence. Top rail links shall be joined with rail couplings.
- 3.04 The fabric shall be secured to all terminal posts with stretcher bands fastened to the posts with stretcher bands spaced at a maximum of 14 inches. The fabric shall be tensioned during the installation procedure to give a reasonably taut completed fence. If any of the galvanized materials specified under this item have protective coating damage to the extent that effectiveness to prevent erosion of the base materials is impaired, the Owner's Representative will require the Contractor to repair such parts at no additional cost by applying two coats of approved material.
- 3.05 Gates shall be installed per manufacturer's written instructions, level, plumb and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary. Adjust gate as

required to operate smoothly, easily and quietly, free from binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range.

END OF SECTION

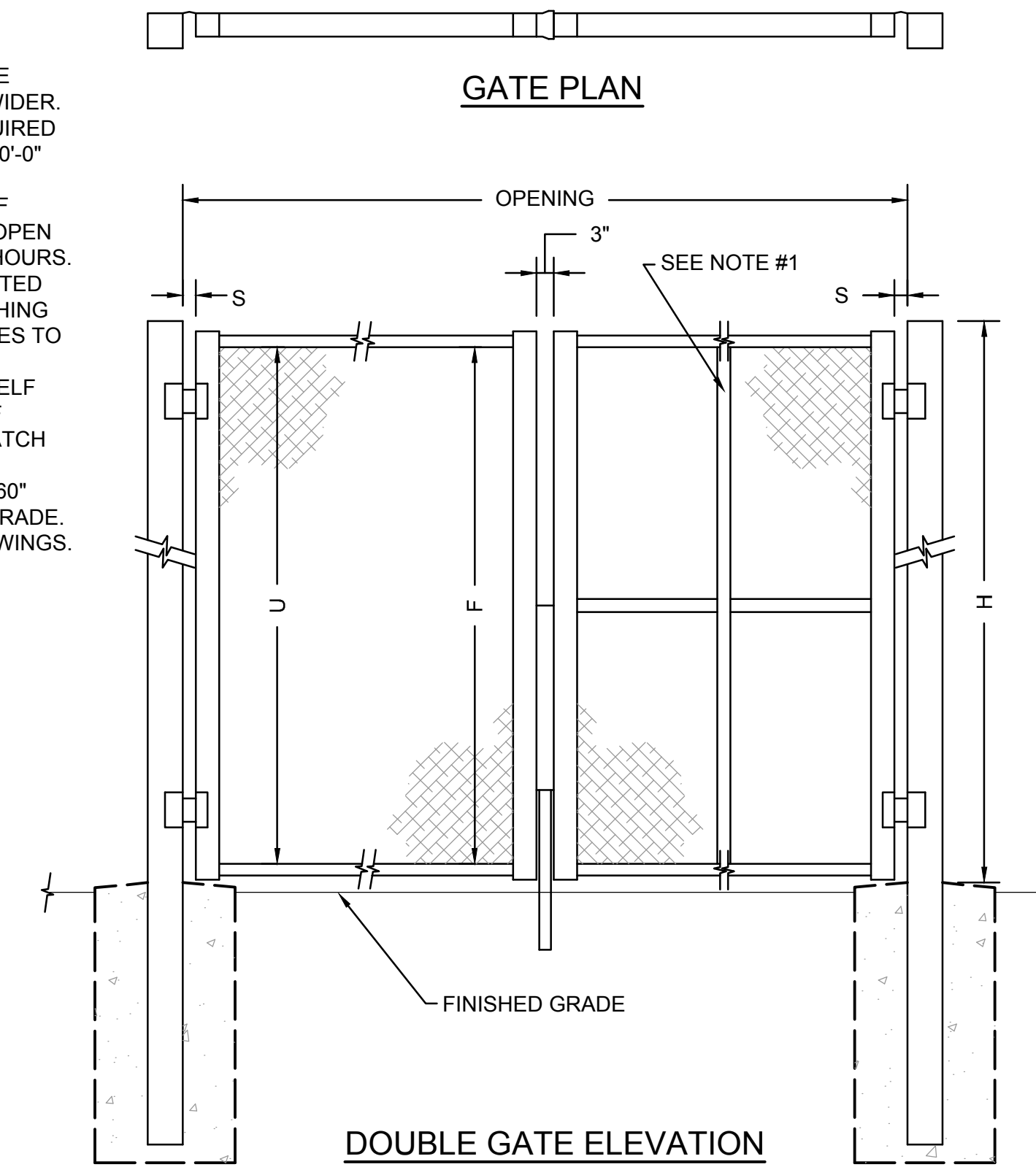


1 CHAIN LINK FENCE  
SCALE: N.T.S.

SINGLE OR DOUBLE LEAF GATES		
NOM. HEIGHT (H)	UPRIGHT HEIGHT (U)	FRAME HEIGHT (F)
(MATCH EXISTING)	(ACTUAL DIMENSION)	(ACTUAL DIMENSION)
3'-0"	2'-10"	2'-8 1/2"
3'-6"	3'-4"	3'-2 1/2"
4'-0"	3'-10"	3'-8 1/2"
5'-0"	4'-10"	4'-8 1/2"
6'-0"	5'-10"	5'-8 1/2"
7'-0"	6'-10"	6'-8 1/2"
8'-0"	7'-10"	7'-8 1/2"
9'-0"	8'-10"	8'-8 1/2"
10'-0"	9'-10"	9'-8 1/2"
11'-0"	10'-10"	10'-8 1/2"
12'-0"	11'-10"	11'-8 1/2"

DOUBLE LEAF GATES		
OPENING (FACE TO FACE)	GATE POSTS (SQ. AND RND SIZES)	HINGE SPACE (S) (POST TO UPRIGHT)
8'-0" THROUGH 12'-0"	(EXISTING)	FOR SQUARE AND ROUND GATE POSTS: 2 1/4"

- NOTES:
1. CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" AND WIDER. CENTER RAIL REQUIRED ON GATE LEAVES 10'-0" AND HIGHER.
  2. PROVIDE MEANS OF HOLDING GATE(S) OPEN DURING SITE USE HOURS.
  3. PROVIDE ZINC COATED LOCKS WITH MATCHING KEYS FOR ALL GATES TO OWNER.
  4. GATES SHALL BE SELF CLOSING AND SELF LATCHING, WITH LATCH HANDLE LOCATED BETWEEN 40" AND 60" ABOVE FINISHED GRADE.
  5. SUBMIT SHOP DRAWINGS.



2 CHAIN LINK GATE  
SCALE: N.T.S.

Project:  
CITY OF BEACON, NEW YORK  
SOUTH AVENUE PARK IMPROVEMENTS

PROJECT 3 - COURT FENCING  
COB BID NO. 2025-005  
SOUTH AVENUE PARK,  
BEACON, NY 12508

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Consultants:

Revisions:		
No.	Date	Description
1	03/21/2025	ADDENDUM #1

COA:  
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Scale: AS NOTED

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W&S File No.:

Drawing Title:  
**CONSTRUCTION DETAILS**

Sheet Number:  
**C501**

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