

ADDENDUM NO. #3

OXNARD HIGH SCHOOL - TENNIS COURTS IMPROVEMENTS

(Bid 613 Tennis Courts Replacement – Oxnard High School)

LITTLE JOB #612-12353-06

DSA: A# 03-120419 File #56-H4

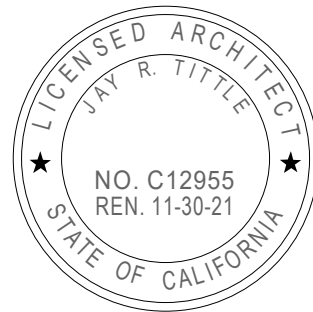
Oxnard High School

3400 West Gonzales Road
Oxnard, CA 93036

February 14, 2020

LITTLE

1300 Dove Street, Suite 100
Newport Beach, CA 92660



Architect- Jay R. Tittle, C- 12955

1. PART 1 - GENERAL

- 1.1.** The following revisions and/or clarifications shall be made to the Bidding Requirements and Contract Documents. Revise and amend the Documents for the above named project in accordance with this Addendum. The bid shall reflect these addendum changes and each bidder shall make reference in their bid to this addendum.
- 1.2.** All Bidding Requirements and Contract Documents shall apply to this addendum as originally indicated in the applicable portions of the contract documents, unless otherwise modified by this addendum.
 - 1.2.1.** Previous Addendum #1 issued January 22, 2020.
 - 1.2.2.** Previous Addendum #2 issued February 12, 2020.
- 1.3.** GENERAL CLARIFICATIONS
 - 1.3.1.** The following clarifications are issued to all bidders as information for use in preparing bids:
 - 1.3.1.1.** Refer to 'Notice to Bidders', revise Bid Date to Thursday, February 20, 2020 at 2:00PM.

2. PART 2 - PROJECT MANUAL

2.1. CHANGES TO PROJECT MANUAL TABLE OF CONTENTS

2.1.1. Division 00, PROCUREMENT AND CONTRACTING REQUIREMENTS

2.1.1.1. Replace Section 00 01 10, Table of Contents with attached Section 00 01 10..

2.2. SPECIFICATIONS ISSUED

2.2.1. Section '32 31 13 - Chain Link Fences and Gates' - Delete Section 32 31 13 originally issued and replace with revised Section 32 31 13 (attached).

3. PART 3 – DRAWINGS - NONE

END OF ADDENDUM #3

Enclosures:

- I) New Project Manual Documents Issued:
 - a) Section **00 01 10**
 - b) Section **32 31 13**
- II) New Drawings Issued: None

SECTION 00 01 10
TABLE OF CONTENTS

PROCUREMENT AND CONTRACTING REQUIREMENTS

DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

- 00 01 01 - Project Manual
- 00 01 02 - Project Information
- 00 01 07 - Seals Page
- 00 01 10 - Table of Contents
- 00 31 00 - Available Project Information
- 00 40 25 - Request for Information
- 00 43 25 - Substitution Request Form - During Procurement
- 00 63 25 - Substitution Request Form (Post-Award)

Addendum 3

SPECIFICATIONS

DIVISION 01 -- GENERAL REQUIREMENTS

- 01 10 00 - Summary
- 01 20 00 - Price and Payment Procedures
- 01 21 00 - Allowances
- 01 25 00 - Substitution Procedures
- 01 30 00 - Administrative Requirements
 - 01 30 00.01 - Request for Interpretation
- 01 35 50 - Requests for Electronic Files
- 01 35 53 - Security Procedures
- 01 40 00 - Quality Requirements
- 01 41 00 - Regulatory Requirements
- 01 42 19 - Reference Standards
- 01 45 33 - Code-Required Special Inspections
- 01 50 00 - Temporary Facilities and Controls
- 01 57 13 - Temporary Erosion and Sediment Control
- 01 58 13 - Temporary Project Signage
- 01 60 00 - Product Requirements
- 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions
 - 01 61 16.01 - Accessory Material VOC Content Certification Form
- 01 70 00 - Execution and Closeout Requirements
- 01 71 23 - Field Engineering

- 01 74 19 - Construction Waste Management and Disposal
- 01 78 00 - Closeout Submittals
 - 01 78 00.01 - Warranty Form Letter

DIVISION 02 -- EXISTING CONDITIONS

- For Site Preparation and Earthwork, see Division 31
- For Pavements and Site Improvements, see Division 32
- 02 41 00 - Demolition

DIVISION 03 -- CONCRETE

- 03 30 00 - Cast-in-Place Concrete

DIVISION 07 -- THERMAL AND MOISTURE PROTECTION

- 07 92 00 - Joint Sealants

DIVISION 10 -- SPECIALTIES

- 10 14 53 - Traffic and Parking Signage

DIVISION 11 -- EQUIPMENT

- 11 68 33 - Athletic Field Equipment

DIVISION 26 -- ELECTRICAL

- | | |
|---|------------|
| 26 05 19 - Low-Voltage Electrical Power Conductors and Cables (New) | Addendum 2 |
| 26 05 26 - Grounding and Bonding for Electrical Systems (New) | Addendum 2 |
| 26 05 33.13 - Conduit for Electrical Systems (New) | Addendum 2 |
| 26 05 33.16 - Boxes for Electrical Systems (New) | Addendum 2 |
| 26 05 53 - Identification for Electrical Systems (New) | Addendum 2 |
| 26 05 83 - Wiring Connections (New) | Addendum 2 |
| 26 27 26 - Wiring Devices (New) | Addendum 2 |

DIVISION 31 -- EARTHWORK

- 31 10 00 - Site Clearing
- 31 22 00 - Grading
- 31 23 16 - Excavation
- 31 23 23 - Fill

DIVISION 32 -- EXTERIOR IMPROVEMENTS

- 32 01 17 - Asphalt Pavement Repair
- 32 11 23 - Aggregate Base Courses
- 32 12 16 - Asphalt Paving
- 32 13 13 - Concrete Paving
- 32 17 13 - Parking Bumpers

32 17 23.13 - Painted Pavement Markings

32 17 26 - Tactile Warning Surfacing

32 18 23.53 - Tennis Court Surfacing

32 31 13 - Chain Link Fences and Gates

Addendum 3

END OF SECTION

SECTION 32 31 13 CHAIN LINK FENCES AND GATES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Posts, rails, and frames.
- B. Wire fabric and windscreen fabric.
- C. Concrete.
- D. Manual gates with related hardware.
- E. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section 03 30 00 - Cast-in-Place Concrete: Concrete anchorage for posts.

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.
- C. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2016a.
- D. ASTM A392 - Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric; 2011a (Reapproved 2017).
- E. ~~ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2018a.~~
- F. ASTM A780/A780M - Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings; 2009 (Reapproved 2015).
- G. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2018.
- H. ASTM F567 - Standard Practice for Installation of Chain-Link Fence; 2014a.
- I. ASTM F626 - Standard Specification for Fence Fittings; 2014.
- J. ASTM F1043 - Standard Specification for Strength and Protective Coatings on Steel Industrial Fence Framework; 2017a.
- K. ASTM F1083 - Standard Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures; 2016.
- L. CLFMI CLF 2445 - Product Manual - Drawings; 2012.
- M. ASTM F900 - Standard Specification for Industrial and Commercial Swing Gates; 2011.
- N. CLFMI CLF-FIG0111 - Field Inspection Guide; 2014.
- O. CLFMI CLF-PM0610 - Product Manual; 2017.
- P. CLFMI CLF-SFR0111 - Security Fencing Recommendations; 2014.

- Q. CLFMI WLG 2445 - Chain Link Fence Wind Load Guide for the Selection of Line Post and Line Post Spacing; June 2016.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on fabric, posts, accessories, fittings and hardware.
- C. Shop Drawings: Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, and schedule of components. See CLFMI CLF-SFR0111 for planning and design recommendations.
- D. Samples: Submit two samples of fence fabric, 12 inch by 12 inch in size illustrating construction and colored finish.
- E. Manufacturer's Installation Instructions: Indicate installation requirements and accessories.
- F. Manufacturer's Qualification Statement.
- G. Fence Installer Qualification Statement.
- H. Project Record Documents: Accurately record actual locations of property perimeter posts relative to property lines.
- I. Field Inspection Records: Provide installation inspection records that include post settings, framework, fabric, barbed wire, fittings and accessories, gates, and workmanship.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.
- B. Fence Installer: Company with demonstrated successful experience installing similar projects and products, with not less than five years of documented experience.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.
- C. Provide five year manufacturer warranty for gate hardware.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Chain Link Fences and Gates, or equal:
 - 1. Allied Tube and Conduit Corp.: www.atcfence.com
 - 2. Anchor Fence, Inc.: www.anchorfenceinc.com.
 - 3. Master-Halco, Inc: www.masterhalco.com/#sle.
 - 4. Merchants Metals: www.merchantsmetals.com/#sle.
 - 5. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 REGULATORY REQUIREMENTS

- A. Provide fences and gates meeting life safety and accessibility requirements of California Building Code (CBC) Title 24, Part 2, Chapters 10 and 11B; and ADA Standards, per latest amendments.
 - 1. Gates that are part of the accessible route shall meet all the requirements of an accessible door in compliance with CBC Section 11B-404 and 11B-206.5.
 - 2. Gate Hardware: Meet the requirements of CBC 11B-206.5 and 11B-404.2.9.
 - a. Latch: Latch, including padlock eye as integral part of latch, mounted 40 inches above finish grade. Comply with California Fire Code.
 - b. Hardware shall comply with local Fire Authority, California Building Code (CBC) Title 24, Section 1010.2, and California Fire Code (CFC) Section 503.5.2.
 - c. The lever of lever actuated latches or locks for an accessible gate shall be curved with a return to within 1/2 inch of the (face of) gate to prevent catching on the clothing or persons. California Referenced Standards Code T-24 Part 12, Section 12-10-202, Item (F).
 - d. Hand activated opening hardware, handles, pulls, latches, locks, and other operating devices for an accessible gate shall have a shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate. CBC Section 11B-404.2.7 and 11B-309.4.
 - 3. Swing doors and gate surfaces within 10 inches of the finish floor or ground shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch of the same plane as the other and be free of sharp or abrasive edges. Cavities created by added kick plates shall be capped. CBC Section 11B-404.2.10
 - 4. The bottom of the gate shall be within 3 inches of the finish surface of the path of travel. The maximum effort to operate a gate shall not exceed 5 lbf. CBC Section 11B-404.2.9.

2.03 MATERIALS

- A. Posts, Rails, and Frames: **ASTM F1043 Light Industrial/Commercial Fence Framework; Rolled formed posts Group II-L, and Alternate posts Group IV-L.**
 - 1. ~~ASTM A1011/A1011M, Designation SS; hot-rolled steel strip, cold formed to pipe configuration, longitudinally welded construction, m~~Minimum yield strength of ~~50-36~~ ksi; zinc coating complying with ASTM F1043 and/or ASTM F1083.
 - ~~a. — Alternate minimum yield strengths based on application and load calculations:~~
 - ~~1) — Intermediate grade: 50,000 psi (344 MPa).~~
 - ~~2) — High Strength 83000 Grade: 83,000 psi (572 MPa).~~
 - 2. Line Posts: Type I round.
 - 3. Terminal, Corner, Rail, Brace, and Gate Posts: Type I round.
 - 4. Comply with CLFMI CLF-PM0610.
- B. Wire Fabric:
 - 1. ASTM A392 zinc coated steel chain link fabric.
 - 2. Comply with CLFMI CLF-PM0610.
- C. Concrete:

1. Ready-mixed, complying with ASTM C94/C94M; normal Portland cement; 2,500 psi strength at 28 days, 3 inch slump; 3/4 inch nominal size aggregate.

2.04 COMPONENTS

- A. Sizes to be determined by fencing manufacturer for wind load of fencing with "tennis court" windscreen and design wind speed of 110 mph. Comply with CLFMI WLG 2445.
- B. Line Posts: 2.38 inch diameter. Unless indicated larger on Drawings.
- C. Corner and Terminal Posts: 2.88 inch diameter. Unless indicated larger on Drawings.
- D. Gate Posts: 3-1/2 inch diameter. Unless indicated larger on Drawings.
 1. Provide posts for supporting single gate leaf, or one leaf of a double gate installation, for nominal gate widths.
 - a. Comply with CLFMI CLF 2445 published standards.
- E. Top and Brace Rail: 1.66 inch diameter, plain end, sleeve coupled. Unless indicated larger on Drawings.
- F. Bottom Rail: 1.66 inch diameter, plain end, sleeve coupled. Unless indicated larger on Drawings.
- G. Gate Frame: 1.90 inch diameter for welded fabrication.
 1. Fabricate perimeter frames of gates from metal and finish to match fence framework. Provide horizontal and vertical members to ensure proper gate operation and attachment of fabric, hardware, and accessories with additional horizontal and vertical members to insure proper gate operation.
 2. Use same fabric as for fence, installed with stretcher bars and bands at vertical edges and at top and bottom edges.
 3. Install diagonal cross bracing consisting of 5/16 inch diameter truss rods with drop forged steel turnbuckles, per ASTM F626, where necessary to insure frame rigidity without sag or twist.
 4. Meet the requirements of ASTM F900. Maximum gate leaf width 4'-0" and minimum gate width of 36 inches along path of travel and means of egress.
 - a. Gate frame to be of welded construction.
 - 1) Weld areas to be protected with zinc-rich paint per ASTM A780/A780M.
 - b. The gate frame members are to be spaced no greater than 8'-0" (2.44 m) apart horizontally or vertically.
- H. Fabric: 1-3/4 inch diamond mesh interwoven wire, 9 gage, 0.1483 inch thick, top selvage knuckle end closed, bottom selvage knuckle end closed.
- I. Tension Wire: 6 gage, 0.1920 inch thick steel, single strand.
- J. Tension Band: 3/4 by 3/16 inch thick steel.
- K. Tension Strap: 3/4 by 3/16 inch thick steel.
- L. Tie Wire: Aluminum alloy steel wire.

2.05 MANUAL GATES AND RELATED HARDWARE

- A. Hardware for Single Swinging Gates: 180 degree hinges, 2 for gates up to 60 inches high, 3 for taller gates; fork latch with gravity drop and padlock hasp.

- B. Hardware for Double Swinging Gates: 180 degree hinges, 2 for gates up to 60 inches high, 3 for taller gates; drop bolt on inactive leaf engaging socket stop set in concrete, active leaf latched to inactive leaf preventing raising of drop bolt, padlock hasp; keepers to hold gate in fully open position.
 - 1. Drop bolt is not to be provided or installed on exit gates.
 - 2. Provide galvanized pressed steel locking latch, requiring one padlock for locking both gate leaves, accessible from either side.
- C. Hinges: Finished to match fence components.
 - 1. Hinges: Hot dip galvanized pressed steel or malleable iron, structurally capable of supporting gate leaf and allow opening and closing without binding.
 - 2. Non-lift-off type hinge design to permit gate to swing 180 degrees.
 - 3. Closing: Manual.
- D. Latches: Finished to match fence components.
 - 1. Galvanized forked type with welded U-bracket on both sides. Capable of retaining gate in closed position and have provision for padlock.
 - a. Latch shall permit operation from either side of gate.
- E. Gate Holdback: Provide galvanized gate hold back keeper for each gate leaf over 5 feet wide.
 - 1. Gate keeper shall consist of mechanical device for securing free end of gate when in full open position.
- F. HARDWARE SET # 01: "GATE"
 - 1. For use on Gates where exit devices are indicated.
 - 2. Provide for each Single (SGL) Gate/door(s).

QTY.	ITEM	DESCRIPTION	FINISH	MFR
1 EA	Hinge	#1479A52	628	IVE
1 EA	Exit Device	AX-PA-CD-99NL-OP x 110NL	626	VON
1 EA	Core Only	23-030	626	SCH
1 EA	Armor Collar	K-24	626	KEE
1 EA	Anti-Vandal Pull	1097HA-SP	630	TRM
1 EA	Surface Closer	4040XP-SCUSH x 4040XP-18PA/61/30	689	LCN

2.06 ACCESSORIES

- A. Caps: Cast steel galvanized; sized to post diameter, set screw retainer.
- B. Fittings: Sleeves, bands, clips, rail ends, tension bars, fasteners and fittings; steel.
- C. Windscreen Fabric:
 - 1. Basis of Design: Permascreen 70 manufactured by All Court Fabrics, Inc.; allcourtfabrics.com, or approved equal.
 - a. Acceptable Manufacturers:
 - 1) Aer-Flo, Inc.: aerflo.com.
 - 2) Collins Company, Fullerton, CA (714) 870-9779.
 - 3) Fence Screen: www.fencescreen.com.

- b. Substitutions: See Section 01 60 00 - Product Requirements.
- 2. Warranty: 3 Year Limited Warranty.
- 3. Windscreen Fabric: Vinyl Coated Polyester.
 - a. Weave: Open, 9 x 12.
 - b. Opacity: 70 percent.
 - c. Weight: 9.0 ounce per square yard.
 - d. Tensile strength:
 - 1) Grab: 230 lbs. x 200 lbs.
 - 2) Strip: 200 lbs. x 140 lbs.
- 4. Color: To be selected by Architect from full range.
- 5. Fabric fabrication:
 - a. Reinforce sewn hems and seams with folded binding tape.
 - b. Provide center reinforcing tape in addition to reinforced perimeter hems and panel seams.
 - c. Sew hems and seams with UV light resistant polyester thread.
 - d. Provide brass grommets spaced at 12 inches on center in perimeter hems and center reinforcing tape.
- D. Other Fencing Accessories: Provide other pressed steel or cast iron accessories and fencing items necessary for a complete installation as required by Project conditions and as recommended by fencing manufacturer.

2.07 FINISHES

- A. Components (Other than Fabric): Galvanized in accordance with ASTM A123/A123M, at 1.7 ounces per square foot.
- B. Hardware: Hot-dip galvanized to weight required by ASTM A153/A153M.
- C. Accessories: Same finish as framing.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions: Verify that areas are clear of obstructions or debris.

3.02 PREPARATION

- A. Removal: Obstructions or debris.
- B. Fence Layout: Lay out fencing in advance of installation, noting locations for posts, gates, operators and accessories applicable to the installation.
 - 1. Space line posts maximum 10 feet o.c., unless otherwise indicated.
 - 2. Straight runs between braced posts shall not exceed 500 feet.
- C. Excavation: Excavate line post holes as indicated on Drawings.
 - 1. Provide footing depths as indicated on Drawings and conforming to CLFMI published standards, based on fabric height, wind pressure and soil types.

3.03 INSTALLATION

- A. Install framework, fabric, accessories and gates in accordance with ASTM F567.
- B. Place fabric on outside of posts and rails.
- C. Set intermediate posts plumb, in concrete footings with top of footing 2 inches above finish grade. Slope top of concrete for water runoff.
- D. Line Post Footing Depth Below Finish Grade: ASTM F567.
- E. Corner, Gate and Terminal Post Footing Depth Below Finish Grade: ASTM F567.
- F. Gates: Install gates plumb, level and secure. Install as recommended by fence manufacturer. Adjust hardware for smooth operation and lubricate as required.
- G. Brace each gate and corner post to adjacent line post with horizontal center brace rail and diagonal truss rods. Install brace rail one bay from end and gate posts.
- H. Provide top rail through line post tops and splice with 6 inch long rail sleeves.
 - 1. Connect ends with sleeves forming a rigid connection, allow for expansion and contraction.
- I. Install center brace rail on corner gate leaves.
 - 1. Center Rails: Install mid rails between line posts and attach to post using rail end or line rail clamps.
- J. Bottom Rails: Install bottom rails between posts and attach to post using rail end or line rail clamps
- K. Do not stretch fabric until concrete foundation has cured 28 days.
- L. Stretch fabric between terminal posts or at intervals of 100 feet maximum, whichever is less.
 - 1. Adjust fabric for rigid installation.
 - 2. Tighten hardware, fasteners, and accessories.
 - 3. Bend ends of tie wires to preclude snagging.
- M. Position bottom of fabric 2 inches above finished grade.
- N. Fastening: Fasten all fence and gate hardware secured in place by peening or welding to allow proper operation of components, but to prevent disassembly of fencing or removal of gates.
 - 1. Fastenings, hardware, and all other connections, which have been peened or welded, shall be covered with a heated re-galvanizing alloy.
- O. Fasten fabric to top rail, line posts, braces, and bottom tension wire with tie wire at maximum 15 inches on centers.
- P. Attach fabric to end, corner, and gate posts with tension bars and tension bar clips.
- Q. Do not attach the hinged side of gate to building wall; provide gate posts.
- R. Install gate locking device specified in Section 08 71 00.
- S. Peen all bolts upon installation.
 - 1. Fasten all fence and gate hardware secured in place by peening or welding to allow proper operation of components, but to prevent disassembly of fencing or removal of gates.
 - 2. Cover fastenings, hardware, and all other connections, which have been peened or welded, with a heated re-galvanizing alloy.

- T. Perform three random field inspections confirming proper installation.

3.04 TOLERANCES

- A. Maximum Variation From Plumb: 1/4 inch.
- B. Maximum Offset From True Position: 1 inch.
- C. Do not infringe on adjacent property lines.

3.05 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Layout: Verify that fence installation markings are accurate to design, paying attention to gate locations, underground utilities, and property lines.
- C. Post Settings: Randomly inspect three locations against design for:
 - 1. Hole diameter.
 - 2. Hole depth.
 - 3. Hole spacing.
- D. Fence Height: Randomly measure fence height at three locations or at areas that appear out of compliance with design.
- E. Gates: Inspect for level, plumb, and alignment.
- F. Workmanship: Verify neat installation free of defects. See CLFMI CLF-FIG0111 for field inspection guidance.

3.06 CLEANING

- A. Leave immediate work area neat at end of each work day.
- B. Clean jobsite of excess materials; scatter excess material from post hole excavations uniformly away from posts. Remove excess material if required.
- C. Clean fence with mild household detergent and clean water rinse well.
- D. Remove mortar from exposed posts and other fencing material using a 10 percent solution of muriatic acid followed immediately by several rinses with clean water.
- E. Touch up scratched surfaces using materials recommended by manufacturer. Match touched-up paint color to factory-applied finish.
- F. See Section 01 74 19 - Construction Waste Management and Disposal, for additional requirements.

3.07 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.

END OF SECTION