

October 23, 2017

PROJECT: GROVECENTER ELEMENTARY SCHOOL – RELOCATION OF 1-24x40 AND 1-36x40
RELOCATABLE BLDG. AND PLAY EQUIPMENT.

PROJECT ADDRESS: 775 N. LARK ELLEN AVENUE, WEST COVINA, CA 91791

DSA A#: 03-118460 FILE #: 19-25

OWNER: COVINA-VALLEY UNIFIED SCHOOL DISTRICT
519 E. BADILLO STREET, COVINA, CA 91723

PROJECT SCOPE OF WORK IN GENERAL:

1. Remove with care one (1) 24x40 and one (1) 36x40 relocatable building, including play equipment from the Lark Ellen Elementary School site. See attached school map for the location and photo for reference. Remove and dispose all existing metal ramp assembly including all wooden sill and appurtenances. Disconnect power and signal; remove underground wiring up to the source or to the closest terminal cabinet. Cap off and abandon conduits below grade. Existing wall mounted terminal boxes on the building to remain. Disconnect waste and water, cap off and abandon both lines below grade. Transport buildings with care and relocate to Grovecenter Elementary School. Set and assemble the buildings per plans. Re-install perforated metal expansion joint or gap cover between the buildings as well as wooden backpack hooks.
 - Contractor shall allot up to thirty (30) pieces of 24x48 acoustical ceiling tiles to replace any damaged and/or discolored existing ceiling tiles, and up to five (5) pieces of full size vinyl covered tackboard to replace any damaged existing tackboard wall finish or as directed including 4” vinyl covered joint/gap cover at mod-line. Both of the aforementioned items to match existing.
 - Contractor shall take all necessary measures and precautions to assemble both buildings together at the new location to ensure that all interior and exterior floor, walls, and ceiling finishes at the mod-line joints are properly executed.
2. New location of the relocatable buildings shall be graded per plans.
3. In lieu of new and existing natural turf within fenced area, remove existing grass throughout, furnish and install 3” thick compacted decomposed granite (DG) over compacted soil base/fill. District to furnish and install artificial turf over stabilized decomposed granite. See attached **SK-2** and **SK-3** drawings.
 - Omit new turf and irrigation system requirement. Remove existing irrigation system (if any) within the building footprint/flatwork/play area and cap off 12” away from the fence/mow strip and building line. Any damaged existing turf outside the south and west fence lines shall be replaced and/or re-seeded.
 - Provide 6’0” high temporary chain link fencing and gate with wind/privacy screen around construction and staging area. Refer to attached **SK-2** drawing.
4. Remove and dispose of the existing chain link back stop including posts and foundation (not shown on plans; field verify), located to the southwest of the proposed relocated building.



5. Also, furnish and install new the following items per plans:
- A. Concrete pad throughout building footprint. If necessary, a portion of an area maybe blocked off for plumbing purposes.
 - B. Outside concrete walk pavement.
 - C. 4'-0" and 6'-0" high chain link fencing and gate including finish hardware. See enclosed chain link fencing specifications.
 - Galvanized chain link fabric/wire shall be PVC-coated (color: blue to match existing at east side of campus).
 - Posts, rails and other steel fence components shall have powder coat finish (color: blue to match existing at east side of campus).
 - Gates to be provided with cane bolt to match existing gate. Gates shall have powder coat finish (color: blue to match existing at east side of campus).
Clarifications to two (2) gates with panic hardware: panic hardware to read:
"AX-PA-XP98L-2-06 WH 499F B Von Duprin"
"key cylinders : 2 ea rim cylinders 20-057 + (brass tempcores)
Adaptor to support panic hardware strike shall be part of the gate fabricator package.
 - D. Play equipment area and also drywell for drainage. Contractor shall include 3" thick compacted decomposed granite within the play equipment area with minimum slope towards drywell. Refer to detail **2/SK-2**.
 - E. Stainless steel drinking fountain. See reference note 9/C3.
 - F. Plumbing (water and waste line). Appropriately adjust all underfloor plumbing lines, utilizing approved material/fittings as required to function properly at new location. Provide required water and waste line connection to each sink in the classroom as if they exist as part of the whole system.
Note: Sewage ejector system/assembly shown on plan, including its power requirement is an option and alternate additive item, bidders shall provide separate cost for the whole system subject to credit back to the District if the new waste line works by gravity with respect to the existing waste line P.O.C. invert elevation. Bidders shall include in their bid any explorations and findings costs related to the new waste line and existing waste line P.O.C. workability. Include in the cost a ten (10) year labor and materials warranty replacement of sewage ejector system pump, and regular preventive maintenance schedule of the system.
 - G. Power, clock, data/communication (telephone/public address) and fire alarm system as shall be installed per plans, drawings E1 through E6. For transformer's concrete pad shown on 1/E3, see Detail 9/C1.1.
 - See attached **ESK-1, ESK-2 & ESK-3** drawings for added and revised scope of work for this project. Also, furnish and install LCD projector support/mount as noted on **SK-1** drawing.
 - H. Paint exterior of the portable building. Color scheme to match existing. Paint by 'Dunn Edwards'.
 - I. Opening/access between the two buildings shall be furnished per detail 14/C1.2 and details 6 and 7/C1.2.
 - J. Non-bearing wall as shown at detail 14/C1.2, interior elevations at detail 5/C1.2 and per details 9, 10 and 11/C1.2. Paint all exposed 4x4 wood posts, two (2) coats each minimum of both primer and finish paint. Color to be determined, finish shall be semi-gloss. Provide new 2x2 ceiling angle around posts.
 - K. Signage: Three (3) exterior 'Classroom' signs. Refer to drawing A6.01. Existing interior signs to remain.
 - L. Adjust doors for plumbness, set closers at 5 lbs. maximum opening pressure.
 - M. Include a \$20,000.00 allowance for any casework and other miscellaneous items District may add.



6. The District shall furnish and install or perform the following items :

- A. Artificial turf within fenced area as noted on SK-2 and SK-3 drawings.
- B. Removal of all movable furniture and equipment inside both relocatable classrooms prior to relocation.
- C. 12” cushioning material within the play equipment area as noted on detail 2/SK2.
- D. Data cabling and terminations.
- E. 2-LCD projector equipment and 1-projector screen.

Notice to all Bidders: The above lists the scope of work of the project in *general* and is not necessarily limited to this list in its entirety. Refer to DSA approved plans for additional information. Field-verify and include in your bid any other incidental work needed to accomplish/complete the scope of work.

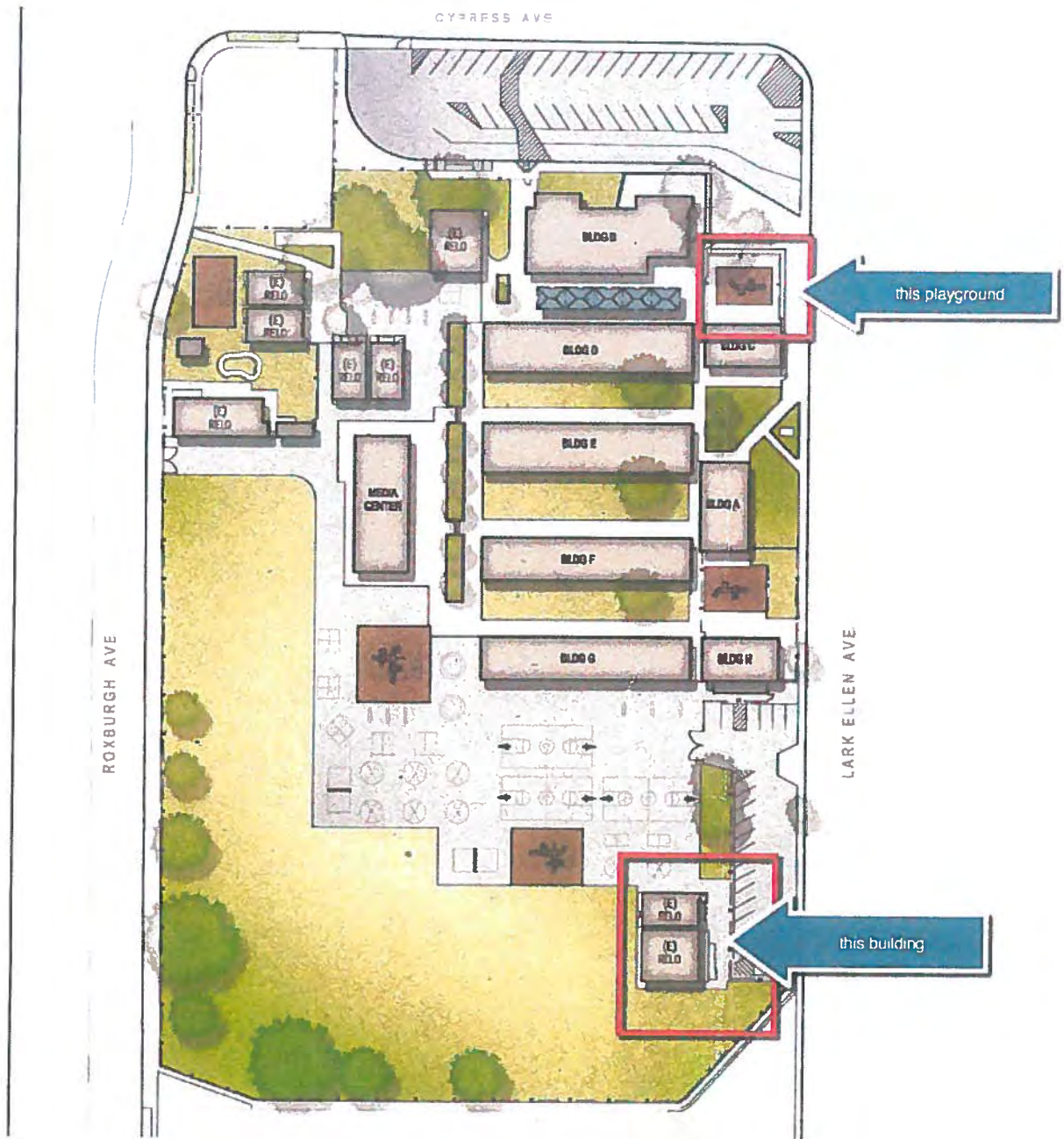
Bidders shall submit an RFI (Request for Information) for responses to any questions and/or clarifications within the time constraints indicated in the bid documents.

Enclosures :

- 3 pages, 8-1/2” x 11 Lark Ellen E.S. Map and Photographs
- 4 pages, 8-1/2” x 11 Chain Link Fence Specifications
- 3 pages, 11” x 17 SK-1 thru SK-3
- 3 pages, 11” x 17 ESK-1 thru ESK-3

- END -





LARK ELLEN ELEMENTARY SCHOOL

4555 N. LARK ELLEN AVENUE, COVINA, CA 91722





1-24x40 & 1-36x40 RELO BLDG.
AT LARK ELLEN E.S.



PLAY EQUIPMENT

PART 1 - GENERAL

1.01 SECTION INCLUDES: Description of requirements for material, fabrications and installation of Chain Link Fencing and accessory items as shown on drawings and necessary to complete the Finished Fencing. Work to include but not limited to administration, materials, labor, and to provide completed fence included as noted:

- A. Provide link fencing, gates, and related hardware accessories as indicated or shown on the drawings or as required for a completed installation.

1.02 SUBMITTALS:

- A. Shop Drawings: Include complete engineered shop drawings and calculations for posts and footing sizes.
- B. Product Data: Submit catalog cuts of materials proposed to be furnished and installed under this Section.
- C. Manufacturer's Certifications of Compliance for chain link fabric posts and rail.

PART 2 – PRODUCTS

2.01 MANUFACTURERS:

- A. Materials shall be new and products of recognized and reputable manufacturers. Like products shall be supplied by a single source.
- B. General: Where two (2) or more identical articles or materials are required. If specified materials are discontinued, furnish updated model at no additional cost.

2.02 MATERIALS:

- A. Components:
 - 1. Fabric/Vinyl Coated Steel: Provide vertically-woven diamond mesh fabric with a nominal distance of 2 inches (50 mm) between parallel wires, 9 gauge wire for standard commercial usage with a continuously bonded vinyl coating. Fabricate weaving by using good commercial quality steel wire with a uniform square mesh. Galvanize after weaving by the hot dip spelter process to give a minimum 1.25 ounces of zinc per square feet of wire surface distributed over the entire fabric. Conform with ASTM A 392, Class I with both selvages knuckled for fabric 60 inches or less high, one edge knuckled and one twisted selvage for 72 inches and higher.
 - 2. Framework: Galvanized steel, ASTM A120 Schedule 40, with not less than 1.8 oz zinc per sq. ft.
 - 3. Hardware and Accessories: Galvanized ASTM A153, with zinc weights per Table I.
 - 4. End, Corner and Pull Posts: Up to 6 feet fabric height, 2.375 inches OD pipe, 3.65 lbs per linear ft. Over 6 feet fabric height, 2.875 inches OD steel pipe, 5.79 lbs per linear ft.
 - 5. Line Posts: Space 10 feet OC maximum, unless otherwise shown, up to 6 feet fabric height, 1.90 inch OD steel pipe, 2.72 lbs per linear ft.; over 6 feet fabric heights, 2.375

inch OD steel pipe, 3.65 lbs per linear ft; over 8 feet fabric height, 2.875 inch OD steel pipe, 5.79 lbs per linear ft.

6. Gate Posts: Furnish posts for supporting single gate leaf, or one leaf of a double gate installation, for nominal gate widths as follows:
 - a. Up to 6 feet wide 2.875 inch OD pipe, 5.79 lbs per linear ft.
 - b. Over 6 feet and up to 13 feet wide, 4.0 inches OD pipe, 9.11 lbs per linear ft.
7. Top Rails: 1.66 inch OD pipe, 2.27 lbs per linear ft., manufacturer's longest lengths, with expansion type couplings, approximately 6 inches long, for each joint. Provide means for attaching top rail securely to each gate, corner, pull and end post. Provide bottom rails for all fencing at Softball/Baseball Fields.
8. Tension Wire: 7 gauge, coated coil spring wire, metal and finish to match fabric. Locate at bottom of fabric only.
9. Accessories: Provide wire ties, post bracing, adjustable truss rods, post tops, stretcher bars and bands, and other items as required for the installation and in conformance with CLFMI Manual.
10. Gates
 - a. Fabricate gate perimeter frames of 1.90 inch OD pipe, 2.71 lbs per linear ft., metal and finish to match framework. Furnish horizontal and vertical members to ensure proper gate operation and for attachment of fabric, hardware and accessories. Space so that frame members are not more than 8 feet apart.
 - b. Install diagonal cross-bracing consisting of 0.375 inches diameter adjustable length truss rods on gates to ensure frame rigidly without sag or twist.
 - c. Provide solid galvanized metal base plate 10 inches high from the paving on both sides of the gate where panic hardware devices are installed and where disable access path of travel is shown on the drawings.
 - d. Gate Hardware: Furnish the following hardware and accessories for each gate.
 - (1) Hinges: Appropriate size and material. Provide grease nipples at each one.
 - (2) Latch: (At service gate only). Forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as integral part of latch. Where panic hardware is required, omit the forked type latch and plunger bar.
 - (3) Gates in path of travel must comply with exit door requirements (CBC Section 1010.1). Specify hardware that does not require pinching, grasping or twisting motion to operate and provide solid kick plates 10 inches minimum high 3 inches maximum from the paving on both sides of the gate. Provide 12 inch high by width of gate 16 ga. By 14 inch thick plate weld to gate and centered to the panic bar height. Plate shall be galvanized.

(4) Panic hardware shall be as specified.

B. Finishes:

1. Galvanized Surfaces: Galvanize surfaces in accordance with ASTM A 123, with a coating of at least 1.20 oz/sq. ft.
2. Accessories and Components: Same finish and color as fabric.
3. Vinyl Coating:
 - a. Colors shall be stabilized, and shall be have a light fastness to withstand a minimum Weather-O-Meter exposure of at least 1500 hours without deterioration when tested in accordance with ASTM D 1499.
 - b. Specific gravity shall be between 1.26 and 1.30 in accordance with ASTM D 792.
 - c. Hardness shall be A90 +/-5 in accordance with ASTM D 2240.
 - d. Tensile strength shall be between 2600 and 3000 psi (17.94 MPa and 20.7 MPa) in accordance with ASTM D 412.
 - e. Vinyl coating shall be exposure-resistant to dilute solutions of most common mineral acids, sea water, salts, and alkali.
 - f. Vinyl coating shall be continuously bonded to the wire under 5000 psi (34.5 MPa) pressure before the wire is woven into fabric.

PART 3 – EXECUTION

3.01 INSTALLATION – General:

- A. Install work of this Section in strict accordance with manufacturer's recommendations, that as specified herein and as approved by Architect.
- B. Do not begin installation and erection of exterior fencing before final grading is completed, unless otherwise permitted.
 1. For fencing attached to concrete or masonry, do not begin work before these materials have been completed, cured and have attained their design strengths.

3.02 ASSEMBLY:

A. Framework:

1. Top Rails: Run rail continuously through post caps. Middle and bottom rails only when specified. Provides expansion couplings as recommended by fencing manufacturer. The top rail shall pass through openings provided in the line post top and each length shall be coupled with a sleeve for a distance of 3 inches.
2. Brace Assemblies: Install braces so posts are plumb when diagonal rod is under proper tension. Fences with fabric 6 feet high and over and all fences without top rail, a brace rail shall be provided between each terminal post and the next

adjacent line post. Each brace rail shall have attachments for a 5/16 inches truss rod and turnbuckle attachment. Truss rods may be eliminated in any line of fence where there is a continuous center rail.

B. Fabric:

1. Provide approximately 1 inches between finish grade and bottom selvage. Pull fabric taut and tie to posts, rails, and tension wires. Install fabric on outward side facing side of fence and anchor to framework so that the fabric remains in tension after pulling force is removed. Install stretcher bars by threading through fabric and secured to posts with metal bands spaced 14 inches on centers. Use U-shaped

- 3.03 AS A CONDITION OF FINAL ACCEPTANCE OF THE WORK, adjust fabric tension and moving parts and clean field welds of flux and spatter, remove damaged galvanizing and then coat with dry galvanizing, or touch up abraded surfaces of color coating with materials equivalent to those used in applying shop finish.

END OF SECTION