

ADDENDUM

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ADDENDUM NO. ONE

PROJECT TITLE: Splashpad Development
Lakeview Park

ISSUANCE DATE: August 7, 2024

The proposed Contract Documents for this Work are modified as follows:

I. **GENERAL INFORMATION:**

Adjustment of overhead electric utility line is responsibility of Owner.

II. **DRAWINGS:**

Utility Plan: In order to meet code, if PVC water piping is used, a full stick of pipe must be centered over the sanitary sewer crossing. The crossing point of the two pipes may need to be potholed to verify elevations and/or pipe centering.

Utility Plan: Please note, a significant amount of pavement and curb removal and replacement will be required for pipe and sewer connections. Contractor is solely responsible for means and methods of excavation. Designers estimate approximately 2,250 SF of pavement removal and replacement, and 140 LF of curb replacement. These amounts will vary depending on excavation techniques.

Utility Plan: Sanitary manhole: Due to code restrictions, an inside drop system will not be feasible. Change note to read: "Utilize exterior drop system, or adjust sewer pipe slope to allow invert of entering pipe to be no more than 24" above manhole invert."

Details Sheet D1, Detail: Concrete reinforcement to be #3 bars at 12" O.C. in lieu of WWM reinforcement. In cases of conflict, specifications for Concrete (paragraph 4) and Reinforcing Steel (paragraph 5) on Sheet A-001 shall govern for splashpad and Abrio slabs.

III. **PROJECT MANUAL/SPECIFICATIONS:**

Add Specification Section 32 31 13 Chain Link Fences to Project Manual (attached). Fencing is to be black PVC over galvanized steel.

IV. **INVITATION TO BID:**

None.

**SECTION 32 31 13
CHAIN LINK FENCES**

PART 1: GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the 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. Black PVC coated Chain Link Fencing and hardware.
 - 2. Excavation for concrete post footings.
 - 3. Grounding and Bonding.

1.03 SUBMITTALS

- A. Product Data: Material descriptions, construction details, dimensions of individual components and profiles, and finishes for the following:
 - 1. Fence posts, rails, and fittings.
 - 2. Chain-link fabric, reinforcements, and attachments.
- B. Product Certificates: Signed by manufacturers of chain-link fences certifying that products furnished comply with requirements.
- C. Proposed post spacing and layout plan.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed fences 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.

1.05 PROJECT CONDITIONS

- A. Field Measurements: Verify layout information for line fencing shown on Drawings in relation to existing concrete pathways. Contractor is responsible for field measuring.

PART 2: PRODUCTS

2.01 MATERIALS

- A. Posts: Steel pipe with 1.8 ounces of zinc coating per square foot of surface area conforming to Standard Specification ASTM F1043 – Group IA; (external coatings per F1043 paragraph 7.1.1; internal coatings per F1043 paragraph 7.2.1) or, high strength steel pipe triple coated per Standard Specifications ASTM F1043-Group IC; (external coatings per F1043 paragraph 7.1.2; internal coatings per F1043 paragraph 7.2.4).

All coatings to be applied after welding.

Pipe shall be straight, and true to section.

<u>Pipe Size</u> <u>Outside Diameter</u>	<u>Group IA</u> <u>Weight Lbs./Ft.</u>	<u>Group IC</u> <u>Weight Lbs./Ft.</u>
1 5/8"	2.27	1.84
2"	2.72	2.28
2 1/2"	3.65	3.12
3"	5.79	4.64
3 1/2"	7.58	5.71
4"	9.11	6.56
6 5/8"	18.97	----

- B. Fabric: Fabric to be black PVC over galvanized 9 gauge woven in a 2" diamond mesh. Top and bottom selvage to be knuckled.

2.02 COMPONENTS

- A. Rails and Braces: 1 5/8" O.D.
- B. Line Posts: 2 1/2" O.D., Group 1A or 1C.
- C. Terminal Posts: 3" O.D., Group 1A or 1C.
- D. Gate Posts (gates up to 6' in width): 3" O.D. schedule 40 or SS40
- E. Gate Posts (gates 7'-12' in width): 4" O.D. schedule 40 or SS40
- F. Gate Hinges (pedestrian access gates): "Tru-Close" Heavy Duty Round Post Hinge Model # TCHDRND1S3 By D & D Technologies, 7731 Woodwind Drive, Huntington Beach, CA 92647 <http://ddtechglobal.com> or equal.
- G. Gate Latch (pedestrian access gates): Latch must be commercial grade, and ADA compliant. Latch must be compatible with round posts and specified hinge.
- H. Gate Latch (vehicle and service access): Fork-type lockable, with drop rod, galvanized steel, industrial style.
- I. Fittings:
1. Post Caps: Pressed steel, cast iron or cast aluminum alloy designed to fit snugly over posts to exclude moisture. Supply cone type caps for terminal posts and loop type for line posts. All fittings to conform to ASTM F-626.
 2. Rail and Brace Ends: Pressed steel, cast iron or cast aluminum alloy, cup-shaped to receive rail and brace ends.
 3. Rail Sleeves: Tubular steel, 0.051 thickness x 7" long, expansion type.
 4. Tension Bars: Steel strip, 5/8" wide x 3/16" thick.
 5. Tension Bands: Pressed steel, 14 gauge thickness x 3/4" wide.

6. Brace Bands: Pressed steel, 12 gauge thickness x 3/4".
7. Truss Rods: Steel rod, 3/8" diameter merchant quality with turnbuckle.
8. Tie Wires: Aluminum, 9 gauge, alloy 1100-H4 or equal.
9. Hog Rings: Steel wire, 11 gauge, with a minimum zinc coating of 0.80 ounces of per square foot of wire surface.

2.03 FENCE GROUNDING

- A. Ground Rod: 5/8" diameter x 120" length copper clad steel rod.
- B. Clamp: Cast bronze mechanical clamp with bronze or stainless steel bolts and washers.
- C. Bonding Jumper: Braided copper tape, 1" wide, woven of No. 30 AWG bare copper wire, terminated with copper ferrules.

2.04 ACCESSORIES

- A. Clamp: Cast bronze mechanical clamp with bronze or stainless steel bolts and washers.
- B. Bonding Jumper: Braided copper tape, 1" wide, woven of No. 30 AWG bare copper wire, terminated with copper ferrules.

2.05 CONCRETE FOOTINGS FOR FENCE POSTS

- A. Concrete: Concrete shall be 4,000 psi 6% air-entrained Portland Cement Concrete with a record of good local performance. Mix concrete in appropriate drum-type batch mixer. "Mixing in the hole" is not permitted. Top of footing to be minimum 6" below grade in turf areas, sloped to drain.

PART 3: EXECUTION

3.01 INSTALLATION

- A. General: Installation to conform to ASTM F-567. Stake and verify locations before commencing work.
- B. Height: Provide height as indicated on drawings.
- C. Post Spacing: 8' spacing maximum.
- D. Post Setting: Set terminal and line posts plumb in concrete footings. Top of footing to be 2" below asphalt or 6" below finish grade in lawn or bedding areas and sloped to direct water away from posts. Footings shall extend minimum 42" below finish grade and be 12" in diameter.
- E. Bracing: Brace terminal posts back to adjacent line posts with horizontal brace rails and diagonal truss rods.
- F. Top Rails: Provide top rails for all fencing.
- G. Fabric: Pull fabric taut with bottom selvage 1" above grade. Fasten to terminal posts with tension bars threaded through mesh and secured with tension bands at maximum 15" intervals. Tie to posts and top rails with tie wires spaced at maximum 12" on posts and 24" on rails.

- H. Fasteners: Install nuts for fittings, bands and hardware bolts on inside of fence.
- I. Grounding: Provide grounding for fence at each end. Drive top of ground rod 6" below grade and connect rod to fence with bonding jumper.

3.02 COMPLETION

- A. The area of installation shall be left free of debris caused by the installation of the fence.

END OF SECTION 32 31 13

END OF ADDENDUM #1