

City of Highland Public Facilities Subcommittee Agenda

SUBCOMMITTEE MEMBERS

ANAELI SOLANO, MEMBER
JOHN TIMMER, MEMBER

December 21, 2022
10:00 a.m.
Upright Conference Room
Highland City Hall
27215 Base Line
Highland, California

STAFF

Joseph A. Hughes - City Manager
Chuck Dantuono - Director of Administrative Services/City Treasurer
Lawrence Mainez - Community Development Director
Carlos Zamano - Public Works Director/City Engineer
Alondra Muñoz - Deputy City Clerk



MISSION STATEMENT

Highland is dedicated to the betterment of the individual, the family, the neighborhood, and the community. The City Council and the staff of Highland are dedicated to providing the quality of public facilities and services that its citizens are willing to fund and will do so as efficiently as possible.

Visit the City's Website at: www.cityofhighland.org

In compliance with the Americans with Disabilities Act (ADA), if you need special assistance, please contact the City Clerk's office at (909) 864-6861, ext. 226, at least 72 hours prior to the meeting for any requests for reasonable accommodation to include interpreters.

Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the City of Highland to all or a majority of the Subcommittee less than 72 hours prior to that meeting are available for public inspection at Highland City Hall, 27215 Base Line, Highland, during normal business hours.

**PUBLIC FACILITIES SUBCOMMITTEE
DECEMBER 21, 2022 – 10:00 a.m.**

CALL TO ORDER

PUBLIC COMMENT

Submission of Public Comments: For those wishing to make public comments by email, please submit your comments by email to be read aloud at the meeting. Email comments must be submitted by 9:00 a.m. on December 21, 2022, to publiccomment@cityofhighland.org. If you are submitting a public comment pertaining to an item on the December 21, 2022 agenda, please identify the agenda item number in the subject line. Members of the public will be permitted to make public comments in person.

BUSINESS ITEMS

1. Minutes – October 12, 2021 Meeting
RECOMMENDATION: Approve the Minutes as submitted.
2. Highland Community Park Perimeter Fence
RECOMMENDATION: That the Subcommittee consider an alternate to wrought iron fencing.

ADJOURN

I, Alondra Muñoz, Deputy City Clerk, of the City of Highland, California, certify that I caused to be posted this Agenda on or before the 15th day of December, 2022, by 5:30 p.m. on our website at www.cityofhighland.org and in the following designated areas:

Highland Branch Library
7863 Central Avenue

Fire Station No. 1
26974 Base Line

City Hall
27215 Base Line

Date: December 15, 2022


Alondra Muñoz
Deputy City Clerk

Agenda Item #1

**MINUTES
PUBLIC FACILITIES SUBCOMMITTEE
OCTOBER 12, 2021**

CALL TO ORDER

The Public Facilities Subcommittee meeting was called to order at 5:30 p.m. in the Donahue Council Chambers, 27215 Base Line, Highland, California.

ROLL CALL

Present: Solano, Timmer
Absent: None

PUBLIC COMMENT

No public comment.

ITEMS

1. Review Minutes of September 8, 2020 Meeting
Approved the Minutes as submitted.

2. Proposition 68 Park per Capita Grant Project – Community Park Perimeter Fencing Configuration Options
The Public Facilities Subcommittee selected Option C as the configuration of perimeter fencing at Community Park to be recommended to City Council for final approval.

ADJOURN

There being no further business, the meeting was adjourned at 5:45 p.m.

Submitted by:

Approved by:

Alondra Muñoz, Deputy City Clerk

Subcommittee Member

Agenda Item #2

2022-07 Highland Community Park Perimeter Fence and Gates Project





DESIGNMASTER FENCE CLASSIC WELDED WIRE FENCES AND GATES

CONSTRUCTION SPECIFICATIONS INSTITUTE MASTERFORMAT SECTION 32 31 XX

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Steel welded wire fences.
2. Steel welded wire gates.
3. Concrete post foundations.

B. Related Sections:

1. Division 01: Administrative, procedural, and temporary work requirements.
2. Section 03 3000 - Cast-In-Place Concrete.
3. Section 31 2300 - Excavation and Fill.

1.2 REFERENCES

A. ASTM International (ASTM):

1. A185/A185M - Standard Specification for Steel Welded Wire Reinforcement, Plain, for Concrete.
2. A641/A641M - Standard Specifications for Zinc-Coated (Galvanized) Carbon Steel Wire.
3. B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus.
4. C94 - Standard Specification for Ready-Mixed Concrete.
5. D3359 - Standard Practice for Measuring Adhesion by Tape Test.

B. Miami-Dade County

1. High Velocity Hurricane Zone Certification.

1.3 SUBMITTALS

A. Submittals for Review:

1. Shop Drawings: Indicate fence locations, post spacing, system components, and accessories.
2. Product Data: Manufacturer's descriptive data.
3. Samples:
 - a. [12 x 12] [x] inch fence panel samples.
 - b. [12] [] inch long post samples.
 - c. Cap and bracket samples.

B. Sustainable Design Submittals:

1. Recycled Content: Certify recycled content of steel; indicate recycled content percent and whether pre-consumer or post-consumer [LEED MR Credit 4.1/4.2].
2. Regional Materials: Certify materials extracted, processed, and manufactured within 500 mile radius of Project site [LEED MR Credit 5].

1.4 QUALITY ASSURANCE

- ###### A. Installer Qualifications: Minimum [2] [] years [documented] experience in work of this Section.

B. Mockup:

1. Size: Minimum [16] [] feet long x full height.
2. Show: Fence posts, panels, and accessories.
3. Locate [where directed.] []
4. Approved mockup may [not] remain as part of the Work.

1.5 WARRANTIES

- A. Furnish manufacturer's warranty providing coverage against corrosion of galvanized steel coatings and blistering or loosening of powder coatings.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by Deacero S.A. DE C.V.
B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 COMPONENTS

A. Fence Panels:

1. Resistance welded steel wire mesh, ASTM A185/A185M, 6 gauge Class 1 galvanized steel wire per ASTM A641/A641M, 2 x 6 inch mesh, stiffened with horizontal V-shaped braces.
2. Height: [2] [4] [5] [6] [8] feet.
3. Wire breaking load: Minimum 80,000 PSI.
4. Weld shear strength: Minimum 1,050 pounds.

B. Posts:

1. Galvanized steel tube, ASTM A513/A787, G60 coating class, 2¼ x 2¼ inches, 16 gauge [except 12 gauge for posts supporting extension arms] or 3 x 3 inches, 11 gauge.
2. Length: To suit panel height and post mounting method.
3. Post caps: Ultraviolet-protected plastic, sized to post dimensions, friction fit.
4. Post bases: Steel plate bolted to bottom of posts, with four plated steel anchor bolts per base.
5. Extension arms: Same material and size as posts, welded to post tops at 45 degree angle, for attachment of [barbed wire using clips and machine bolts.] [Fence panels using post brackets.]

C. Post Brackets:

1. Galvanized steel and powder coated, sized to post dimensions, with a 1¼" galvanized nut and bolt.

D. Gates:

1. Custom built by design. Includes any specified hardware.

2.3 ACCESSORIES

- A. Concrete: As required by local building codes.

2.4 FINISHES

- A. Fence Panels and Posts:

1. Polyester powder coated to approximately 4 mils thickness, free of both Triglycidyl Isocyanurate (TGIC) and Volatile Organic Compounds, [Black] [White] [Green] [Brown] [Gray] [Blue] [Red] [Yellow] color.
2. Salt spray resistance: No rusting or blistering tested to ASTM B117 for 1000 hours.
3. Adhesion: Tested to ASTM D3359, Method B.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install fencing in accordance with manufacturer's instructions and approved Shop Drawings.
- B. Drill post holes into undisturbed or compacted soil in accordance with local building codes.
- C. Set posts with bottom hole in accordance with local building codes.
- D. Place concrete around posts in accordance with local building codes.
- E. Pour top of footings in accordance with local building codes.

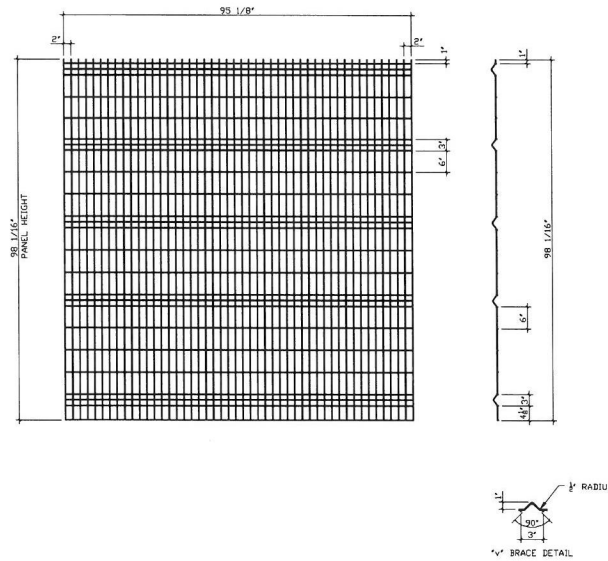
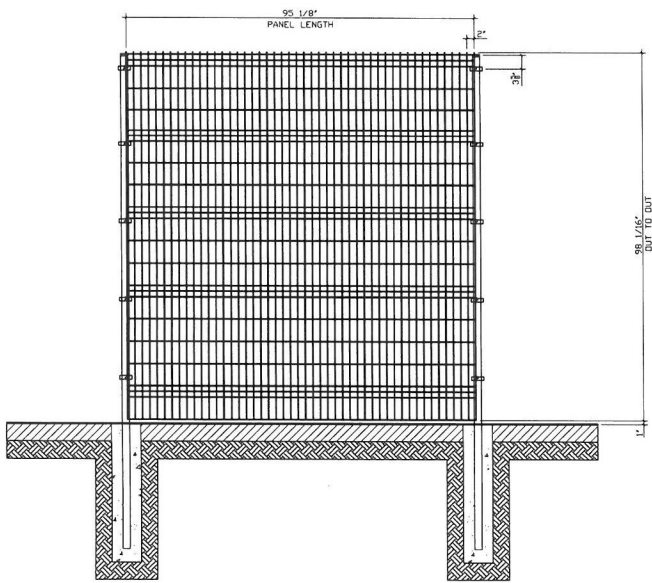
**** OR ****

3.2 INSTALLATION

- A. Install fencing in accordance with manufacturer's instructions and approved Shop Drawings.
- B. Locate and drill holes for post bases.
- C. Secure each post with four anchor bolts.

3.3 INSTALLATION TOLERANCES

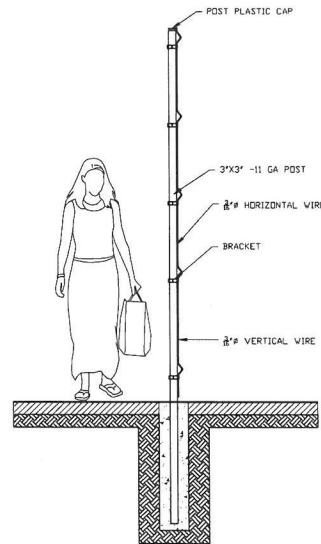
- A. Maximum Variation from Plumb: [¼] [] inch in 10 feet.
- B. Maximum Offset from True Position: [1] [] inch.



- VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES.
- DRAWINGS ARE NOT TO SCALE.
- CHECK WITH LOCAL BUILDING CODES AND OBTAIN ALL NECESSARY BUILDING PERMITS.
- THESE ARE BASIC AND GENERAL SPECIFICATIONS AND DO NOT COVER ALL POSSIBLE INSTALLATION SCENARIOS.
- PANEL MAY BE INSTALLED WITH THE TINES POINTING UP OR DOWN.

DMF CLASSIC PANEL SPECIFICATIONS				
		TOLERANCE	SPECIFICATION	NOTES
HORIZONTAL WIRE DIAMETER	0.1875"/4.76mm.	±0.125"/±0.05mm.		
VERTICAL WIRE DIAMETER	0.1875"/4.76mm.	±0.125"/±0.05mm.		
TENSILE STRENGTH	80 ksi			
ZINC COATING	0.32 oz/H ²		ASTM A-641	
POWDER COATING THICKNESS	TGIC FREE/VOC FREE	100 MICRONS	ASTM D-7091	

DMF POST SPECIFICATIONS			
	DIMENSION	SPECIFICATIONS	NOTES
POST SIZE	3"x3"	ASTM A-513	SMALLER POST MAY BE USED AS DETERMINED BY ARCHITECT OR ENGINEER
POST GAUGE	11		
TENSILE STRENGTH	44945 lbs/in ²	ASTM A-500	
POST ZINC COATING	0.9oz/H ²	ASTM A-653 TABLE 1 (G90-Z275)	
YIELD STRENGTH	32997 lbs/in ²	ASTM A-500	
POST CAP	PLASTIC INJECTION FOR 3"x3" POST	POLYPROPYLENE	
HARDWARE CLAMPS		ELECTROGALVANIZED STEEL	
POWDER COATING THICKNESS	100 MICRONS	TGIC FREE/VOC FREE	ASTM D-7091



Designmaster™

FENCING SYSTEM

DMF - CLASSIC 8'-0" ELEVATIONS/SECTIONS

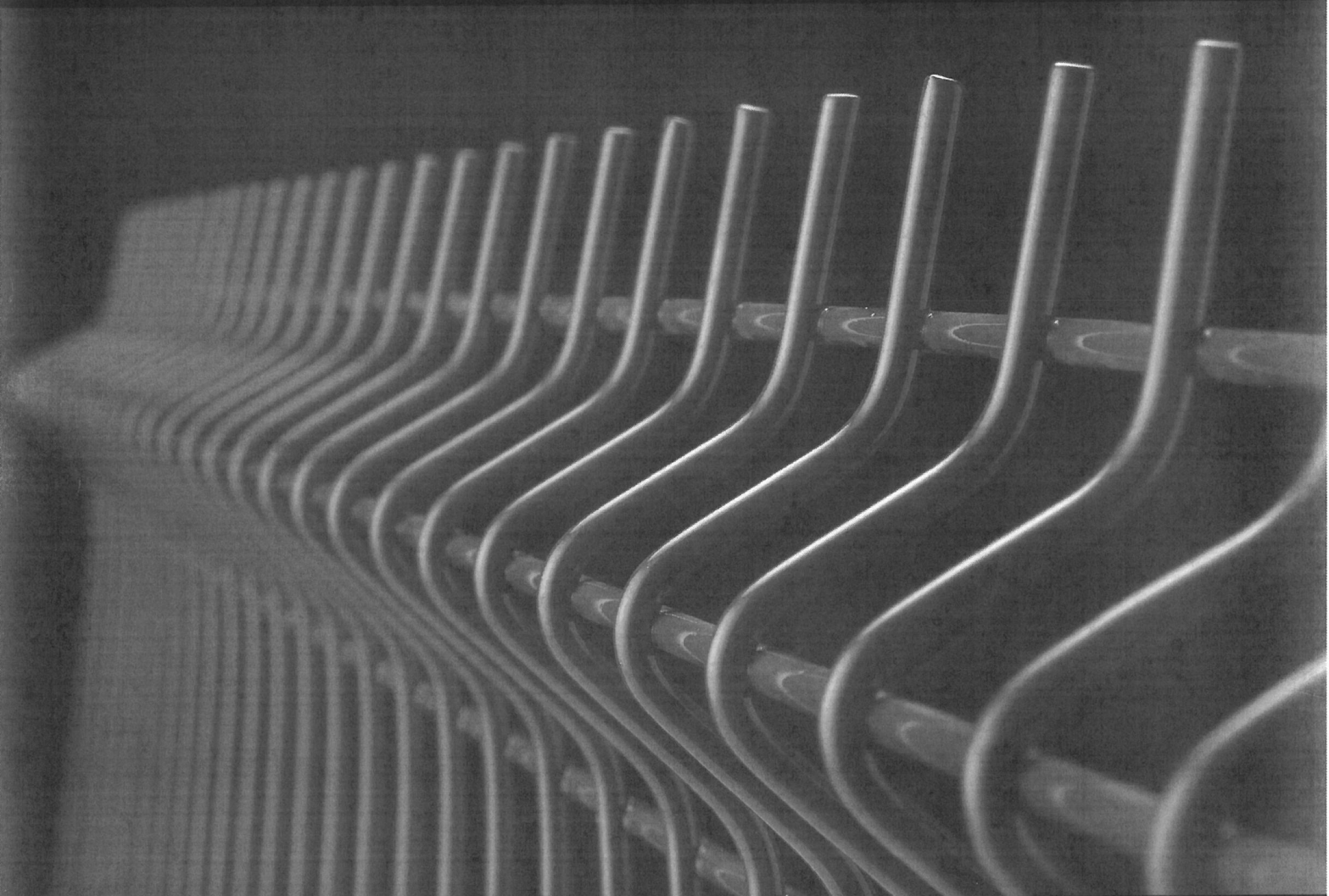
GENERAL SPECS
DESIGN MASTER FENCE

PROJECT NAME:
CUSTOMER:

DATE: APRIL, 2018

DRAWINGS BY:
VP & ASSOCIATES, INC.
202 S 29th ST
TAMPA, FL 33605
PH: 813-247-3835
FAX: 813-247-4305





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