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Scope of Work: Contractor shall provide all supervision, labor, material and equipment to remove existing wood fence and install new wood fence at DDJC Sharpe Site, Lathrop, Calif.

Work includes removing fence boards, fence railings and fence posts including concrete. Haul away material, no fence material will be stored on site. Contractor will backfill each post holes. Remove excess soil material within the fence line.

The existing fence line is uneven, to establish a level mowing strip, Contractor will use the top of the concrete curb on Holly Street, the back fence and the top of the concrete sidewalk, south of the Teen Center.

Install new mowing strip, 4" deep x 12" wide x length of fences. Mowing strip shall be install level. Provide backfilling from mowing strip and grass area, approximately five (5) feet, both side of mowing strip.

New fence shall be constructed with new 1"x6"x6' cedar fence boards, new 4"x 4" fence posts and new treaded 2x4 fence railings. Fence boards will be dog ear style at top and square on the bottom of board. Fence style will be shadow box design, as shown on drawing. Fence boards shall level at the top and the bottom of fence board shall be 2" above concrete mowing strip. Railing will be install center of fence post.

Fence post's concrete shall be ready mix, then prior into hole and finish with a dome sloping away from post. Dome shall be at least 1" above concrete mowing strip, as shown on drawing.

Provide temporary fence when working on the fence, to prevent person from entering the back yard of resident.

There will be no smoking in the general area, because of the children in the area.

#### 1.0 Security Requirement

1.1 Contractor must call P.O.C. 24 hours prior requesting entering for site visit also when contact is awarded, to notify the Installation Security Police.

1.2 Information can be fax with the following information:

1.2.1 Name of person(s) coming to Installation

1.2.2 Name of company

1.2.3 Phone number of Company

1.2.4 Date coming

1.3 Contractor must have the following:

1.3.1 Proof of insurance for each vehicle

1.3.2 Current vehicle registration for each vehicle.

1.3.3 Driver's license or Photo ID

2.0 Submittals

2.1 Stain

2.1.2 Submit MSDS on paint, stain, and wood treatment material that will be used on job.

2.2 Submit fence post cap, for approval. Cap will be returned after approval.

2.3 Contractor will complete one eight foot (8'-0") section of fence for approval.

3.0 Products

**3.1 Fence boards to be clear cedar, follow the Western Wood Product Association for grading of fence boards.**

3.1.1 Fence boards shall be straight and with no cracks, must be sound.

3.1.2 The fence board will be 1"x 6" wide x 6'-0" long. Size of the fence board is for estimating purpose. The final width and length will be based on the approved panel.

3.2 Fence Post

**3.2.1 Fence posts shall be pre-treated 4"x4", Douglas fir, grading according to the Western Wood Product Association for grading of fence post.**

3.2.1.1 Any cutting of post shall be treated with approved treated material, shall be allowed to penetrate into wood prior to installation.

3.3 Fence railing

**3.3.1 Fence railing shall be pre-treated and Douglas fir, grading according to the Western Wood Product Association for grading of fence railing.**

3.3.1.1 Any cutting of railing shall be treated with approved treated material, shall be allowed to penetrate into wood prior installation

3.4 Concrete

3.4.1 Mowing strip concrete shall be ready mix and have compression strength of 3,000 psi.

3.4.2 Concrete for post shall be fence post mix, but to be mixed prior to pouring into post hole.

**3.5 Stain**

**Stain to be Sikken Cetol SRD or equal, and color: cedar. Apply stain to fence boards stain shall be applied to all surface of fence boards, post and railings.**

**3.6 Post Caps**

**Caps to be constructed of clear western red cedar. See [www.woodpostcap.com](http://www.woodpostcap.com) item 6f-S standard flat top cap for cap specifications and design.**

4.0 Execution

4.1 Fence Demolition

4.1.1 Remove all existing fence posts including post concrete, fence boards, 1 x 12 board and railing. Remove material daily, there will be no storage at the job site for demolition material.

4.1.2 Remove and replace existing fence that is attached to fence. Replace any damage material to existing fence that to remain.

5.0 Surface Preparation

5.1. Clearing and Grubbing

- 5.1.1 Remove vegetation and other items that would interfere with the installation operation.
  - 5.1.2 Strip suitable soil from the site where excavation or grading is indicated and stockpile separately from other excavation material. Material unsuitable for re-use as backfill shall be removed from the job site. Backfill material can be stock pile at job site, location to be determined after award. **Compact backfill material to about 90% compaction.**
- 6.0 Fence Installation
- 6.1 After grade line has been established for mowing strip and forms are installed, install base material and firmly compact. It is estimated that it will take 27 cubic feet of back fill material; this is for estimating purpose only. It will be the contactor to determine.
  - 6.2 Fence post
    - 6.2.1 Locate all new fence post prior to digging. Spacing to eight feet (8'-0") on center make adjustment to the spacing as needed.
    - 6.2.2 Post to be installed 6'-0" above mowing strip.
  - 6.3 Fence Railing
    - 6.3.1 Install railing, spaced as shown on drawing. Installed railing in the center of the posts.
  - 6.4 Fence boards
    - 6.4.1 Install boards on both side of railing, over lapping approximately 1".
    - 6.4.2 Use **galvanized** nails or screws do not penetrate into fence boards. Any screws or nails that penetrate the fence board will be rejected. **Nail size to be no-smaller than 6d.**
    - 6.4.3 Any cutting of fence boards at the job site shall be re-stained.
- 7.0 Concrete
- 7.1 Form work
    - 7.1.1 Forms shall be strength and level to grade and alignment. The form surface and joints shall be mortar tight and supported to achieve safe performance during concrete placement. Failure of any supporting either

due to surface texture, deflection or form collapse shall be the responsibility of the contractor. The replacement or correction of any unsatisfactory surfaces will be the responsibility of the Contractor.

7.2 Form removal

7.2.1 It is the responsibility of the Contractor to consider all applicable factors and leave the forms in place until it is safe to remove them.

7.3 Installation of concrete

7.3.1 Pour ready mix concrete, screen and broom finish.

7.3.2 Provide expansion joints at each post, both sides of post.

7.3.3 Form dome at each post, as shown on drawing.