



March 15, 2019

TO : All Bidders  
FROM : Mark Graham  
PROJECT : San Andreas HS Growing Hope Demonstration Garden  
Project 1815600.41  
SUBJECT : Addendum 2  
DSA : 04-117715 / 36-H7

The following changes, omissions, and/or additions to the Project Manual and/or Drawings shall apply to proposal made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.

Careful note of the Addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum, and that all trades shall be fully advised in the performance of the work which will be required of them.

Bidder shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern.

## **BID FORM**

### **1.1 BID Form**

- A. Remove previous BID Form and use revised BID Form attached.

## **SBCUSD PRE-QUALIFIED CONTRACTORS**

### **1.2 SBCUSD PRE-QUALIFICATIONS**

- A. Review list of pre-qualified contractors per attached SBCUSD Pre-Qualifications.

## **PRE-BID RFI QUESTIONS / RESPONSES**

### **1.3 PRE-BID CLARIFICATION – OVEREXCAVATION**

- A. Provide overexcavation of site according to response per attached PRE-BID CLARIFICATION FORM.

## **PROJECT MANUAL**

### **1.4 SECTION 32 31 19 – DECORATIVE METAL FENCES AND GATES**

- A. Include attached Section 32 31 19 – Decorative Metal Fences and Gates in Project Manual.

## **DRAWINGS**

### Landscape

#### **1.5 Drawing LI.1 – LANDSCAPE IRRIGATION PLAN**

- A. Revise irrigation plan per attached Drawing LI.1.
- B. Revise irrigation legend per attached Drawing LI.1.

#### **1.6 Drawing LID.1 – LANDSCAPE IRRIGATION DETAILS**

- A. Detail C: Replace with pull box detail per attached Drawing LID.1.
- B. Detail D: Replace shrub bubbler detail per attached Drawing LID.1.
- C. Detail E: Replace backflow detail per attached Drawing LID.1.
- D. Detail F: Replace gate valve detail per attached Drawing LID.1.
- E. Detail G: Replace remote control valve detail per attached Drawing LID.1.
- F. Detail H: Replace controller detail per attached Drawing LID.1.
- G. Detail I: Remove Calsense Rain Gauge Detail.

#### **1.7 Drawing LP.1 – LANDSCAPE PLANTING PLAN**

- A. Revise planting plan per attached Drawing LP.1.
- B. Revise planting legend per attached Drawing LP.1.

#### **1.8 Drawing LPD.1 – LANDSCAPE PLANTING DETAILS**

- A. Detail A: Replace vine planting detail per attached Drawing LPD.1.
- B. Detail D: Replace linear root barrier detail per attached Drawing LPD.1.
- C. Detail G: Replace decomposed granite detail per attached Drawing LPD.1.
- D. Detail H: Add peagravel detail per attached Drawing LPD.1.

### Architectural

1.9 Drawing A1.1 – OVERALL SITE PLAN

- A. Detail 1: Revise overall site plan per attached Drawing A1.1.

1.10 Drawing A2.0 – ENLARGED SITE PLAN

- A. Detail 2: Add enlarged entry plan demo per attached Drawing A2.0.
- B. Detail 3: Add enlarged entry plan new per attached Drawing A2.0.
- C. Detail 4: Add tube steel fence detail per attached Drawing A2.0.
- D. Detail 5: Add tube steel double gate detail per attached Drawing A2.0.
- E. Detail 6: Add tube steel single gate detail per attached Drawing A2.0.
- F. Revise keynote schedule per attached Drawing A2.0.

1.11 Drawing 2.1 – SITE DETAILS

- A. Detail 16: Revise gate schedule per attached Drawing A2.1.

Structural

1.12 Drawing S7.1 – TYPICAL DETAILS & FRAM. ELEVS

- B. Detail 1: Revise to include electrical conduit per attached Drawing SKS-01.
- C. Detail 2: Revise concrete wall footing dimension per attached Drawing SKS-02.
- D. Detail 3: Revise concrete wall footing dimension per attached Drawing SKS-03.
- E. Detail 11: Revise to include electrical conduit per attached Drawing SKS-04.

Mechanical/Plumbing

1.13 Drawing MP0.2 – SCHEDULES

- A. Add Low Pressure SCH 40 Pipe Size Table per attached Drawing MP0.2.
- B. Add Individual Equipment Gas Loads Bldg. table per attached Drawing MP0.2.

1.14 Drawing MP1.1 – SITE PLAN

- A. Detail 1: Revise gas load per attached Drawing MP1.1.

1.15 Drawing MP2.1 – OVERALL FLOOR PLAN

- A. Detail 1: Revise floor plan per attached Drawing MP2.1.
- B. Detail 2: Add sequence of operation detail per attached Drawing MP2.1.

- C. Detail 3: Add greenhouse management system detail per attached Drawing MP2.1.
- D. Add Keynote 16 involving gas line connect to heater per attached Drawing MP2.1.
- E. Add Keynote 17 adding temperature/humidity sensor per attached Drawing MP2.1.

1.16 Drawing MP3.2 – DETAILS

- A. Detail 10: Add equipment gas connection detail per attached Drawing MP3.2.
- B. Detail 11: Add single pipe hanger detail per attached Drawing MP3.2.

Electrical

1.17 Drawing E0.2 – SINGLE LINE DIAGRAM AND SCHEDULES

- A. Revise single line diagram to add Panel DG per attached Drawing E0.2.
- B. Add panel schedule for Panel DG per attached Drawing E0.2.

1.18 Drawing E1.1 – SITE PLAN

- A. Detail 1: Revise site plan to include feeder for Panel DG per attached Drawing E1.1.

1.19 Drawing E2.1 – OVERALL FLOOR PLAN

- A. Detail 1: Revise overall floor plan per attached Drawing E2.1.
- B. Detail 2: Add enlarged greenhouse plan per attached Drawing E2.1.
- C. Revise Keynote 10 to include aquaseal type cable per attached Drawing E2.1.
- D. Add Keynote 22 regarding greenhouse control panel per attached Drawing E2.1.
- E. Add Keynote 23 concerning motor switch per attached Drawing E2.1.
- F. Add Keynote 24 including microswitch per attached Drawing E2.1.
- G. Add Keynote 25 regarding conduit run along sidewall girt per attached Drawing E2.1.
- H. Add Keynote 26 regarding conduit run along truss per attached Drawing E2.1.
- I. Add Keynote 27 including air curtain control panel per attached Drawing E2.1.
- J. Add Keynote 28 including microswitch above door per attached Drawing E2.1.
- K. Revise General Notes per attached Drawing E2.1.

1.20 Drawing E2.4 – ENLARGED FLOOR PLAN

- A. Detail 2: Add greenhouse control panel diagram detail per attached Drawing E2.4.

1.21 Drawing E3.1 – DETAILS

- A. Detail 9: Add side view of greenhouse detail per attached Drawing E3.1.
- B. Detail 10: Add conduit and box mounting detail per attached Drawing E3.1.

**SUPPORTING DOCUMENTS**

1.22 CONLEY'S GREENHOUSE DRAWINGS

- A. Review proposed basis of design for greenhouse per attached Drawing 30'-0" GABLE SERIES (7500).

**END OF ADDENDUM 2**

Submitted by,



MARK GRAHAM  
Architect, AIA  
LEED GA  
NOMA  
Principal

Attachments: BID Form  
SBCUSD Pre-Qualification  
Pre-Bid Clarification  
Section 32 31 19 – Decorative Metal Fences and Gates  
Drawings LI.1, LID.1, LP.1, LPD.1, A1.1, A2.0, A2.1, SKS-01, SKS-02, SKS-03, SKS-04,  
MP0.2, MP1.1, MP2.1, MP3.2, E0.2, E1.1, E2.1, E2.4, E3.1 and 30-0 Gable Series

**SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT  
BID COVER SHEET**

**BID NO.:** F19-02      **DSA APP #:** 04-117715      **BID DUE:** March 21, 2019, 2:00 PM

**PROJECT NAME:** F19-02 San Andreas HS – Growing Hope Phase II

**PROJECT ADDRESSES:** 3232 Pacific Street, Highland, CA 92346

**THE WORK UNDER THIS BID IS A PROJECT OF:** **FACILITIES DEPARTMENT**

**BID PACKAGE SUBMITTAL FROM:**

**BIDDER/CONTRACTOR:** \_\_\_\_\_

**BIDDER CONTACT:** \_\_\_\_\_

**BIDDER ADDRESS:** \_\_\_\_\_

**BIDDER TELEPHONE:** \_\_\_\_\_

**BIDDER EMAIL:** \_\_\_\_\_

**CONTENTS MUST INCLUDE: (Please Check Each Box)**

Attachments:

- ☐ 1 - Bidder's Non-Collusion Affidavit
- ☐ 2 - Site Visit Certification
- ☐ 3 - Certification of Compliance with DVBE Policy)
- ☐ 4 - Proposed Subcontractors
- ☐ 5 - Bid Bond Form
- ☐ 6 - Bidder References & Responsibility Information
- ☐ 7 – Certificate Regarding Workers' Compensation
- ☐ 8 – Acknowledgement of Bidding Practices Regarding Indemnity Form
- ☐ 9 – Local Business Outreach Program (LBOP) Form

**SUBMIT BID TO:**      **BID BOX - PURCHASING DEPARTMENT**  
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT  
Smart Building  
**793 NORTH "E" STREET**  
**SAN BERNARDINO, CA 92410**

**NOTE: This sheet must be completed and affixed to the outside of the bid envelope.**

## BID FORM

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

**Project:** F19-02 San Andreas HS – Growing Hope Phase II

**Project Addresses:** 3232 Pacific Street, Highland, CA 92346

**Bid No. F19-02**

CONTRACTOR  
NAME:

\_\_\_\_\_

DIR  
REGISTRATION  
NUMBER:

\_\_\_\_\_

ADDRESS:

\_\_\_\_\_

\_\_\_\_\_

TELEPHONE: (       )

\_\_\_\_\_

FAX: (       )

\_\_\_\_\_

EMAIL:

\_\_\_\_\_

TO: SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT, acting by and through its Governing Board, herein called "DISTRICT".

1. Pursuant to and in compliance with your Notice Inviting Bids and other documents relating thereto, the undersigned bidder, having familiarized himself with the terms of the contract, the local conditions affecting the performance of the contract, the cost of the work at the place where the work is to be done, with the drawings and specifications, and other contract documents, hereby proposes and agrees to perform within the time stipulated, the contract, including all of its component parts, and everything required to be performed, including its acceptance by the DISTRICT, and to provide and furnish any and all labor, materials, tools, expendable equipment, and utility and transportation services necessary to perform the contract and complete all of the work in a workmanlike manner required in connection with the construction of:

**BID NO. F19-02 San Andreas HS – Growing Hope Phase II**

in the DISTRICT described above, all in strict conformance with the drawings and other contract documents on file at the Purchasing Office of said DISTRICT for amounts set forth herein.

2. Bidder acknowledges the following Addenda:

Number	Number	Number	Number	Number	Number	Number
_____	_____	_____	_____	_____	_____	_____

3. **Total Base Bid**

a. Base Bid	Base Bid (\$ _____)
b. Allowance	(\$ _____ 75,000.00 _____)

**TOTAL PRICE – ENTIRE JOB** (Base Bid A + Allowance B)

**TOTAL CASH PURCHASE PRICE IN WORDS & NUMBERS:**

\_\_\_\_\_

\_\_\_\_\_ DOLLARS

(\$ \_\_\_\_\_)

4. Alternate Bids: N/A

5. **TIME FOR COMPLETION:** The DISTRICT may give a notice to proceed within ninety (90) days of the award of the bid by the DISTRICT. Once the CONTRACTOR has received the notice to proceed, the CONTRACTOR shall complete the work in the time specified in the Agreement. By submitting this bid, CONTRACTOR has thoroughly studied this Project and agrees that the time period for this Project was adequate for the timely and proper completion of the Project. Further, CONTRACTOR has included in the analysis of the time required for this Project, Rain Days, Governmental Delays, and the requisite time to complete Punch List.



In the event that the DISTRICT desires to postpone giving the notice to proceed beyond this ninety (90) day period, it is expressly understood that with reasonable notice to the CONTRACTOR, giving the notice to proceed may be postponed by the DISTRICT. It is further expressly understood by the CONTRACTOR, that the CONTRACTOR shall not be entitled to any claim of additional compensation as a result of the postponement of giving the notice to proceed.

If the CONTRACTOR believes that a postponement will cause a hardship to it, the CONTRACTOR may terminate the contract with written notice to the DISTRICT within ten (10) days after receipt by the CONTRACTOR of the DISTRICT's notice of postponement. Should the CONTRACTOR terminate the contract as a result of a notice of postponement, the DISTRICT shall have the authority to award the contract to the next lowest responsible bidder, if applicable.

It is understood that the DISTRICT reserves the right to reject any or all bids and/or waive any irregularities or informalities in this bid or in the bid process. The CONTRACTOR understands that it may not withdraw this bid for a period of ninety (90) days after the date set for the opening of bids.

6. Attached is bid security in the amount of not less than ten percent (10%) of the total bid:  
Bid bond (10% of the Bid), certified check, or cashier's check (circle one)
7. The required List of Designated Subcontractors is attached hereto.
8. The required Non-Collusion Declaration is attached hereto.
9. The Substitution Request Form, if applicable, is attached hereto.
10. It is understood and agreed that if written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the DISTRICT a contract in the form attached hereto in accordance with the bid as accepted, and that he will also furnish and deliver to the DISTRICT the Performance Bond and Payment Bond, all within **five (5) calendar days** after award of contract, and that the work under the contract shall be commenced by the undersigned bidder, if awarded the contract, by the start date provided in the DISTRICT's Notice to Proceed, and shall be completed by the CONTRACTOR in the time specified in the contract documents.
11. All notices or other correspondence should be addressed to the undersigned at the address stated below:

The names of all persons interested in the foregoing proposal as principals are as follows:

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(IMPORTANT NOTICE: If bidder or other interested person is a corporation, state the legal name of such corporation, as well as the names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state the true names of the firm, as well as the names of all individual co-partners comprising the firm; if bidder or other interested person is an individual, state the first and last names in full.)

12. PROTEST PROCEDURES. If there is a bid protest, the grounds shall be submitted as set forth in the Instructions to Bidders.
13. The undersigned bidder shall be licensed and shall provide the following California Contractor's license information:

License Number: \_\_\_\_\_

License expiration date: \_\_\_\_\_

Name on License: \_\_\_\_\_

Class of License: \_\_\_\_\_

DIR Registration Number: \_\_\_\_\_

If the bidder is a joint venture, each member of the joint venture must include the above information.

14. Time is of the essence regarding this contract, therefore, in the event the bidder to whom the Contract is awarded fails or refuses to post the required bonds and return executed copies of the Agreement form within **five (5) calendar days** from the date of receiving the Notice of Award, the DISTRICT may declare the bidder's bid deposit or bond forfeited as damages.
15. The bidder declares that he/she has carefully examined the location of the proposed work, that he/she has examined the Contract Documents, including the Plans, General Conditions of the contract, Supplemental Conditions, Addenda, and Specifications, all other documents issued to bidders and read the accompanying instructions to bidders, and hereby proposes and agrees, if this proposal is accepted, to furnish all materials and do all work required to complete the said work in accordance with the Contract Documents, in the time and manner therein prescribed for the unit cost and lump sum amounts set forth in this Bid Form.
16. Debarment. In addition to seeking remedies for False Claims under Government Code Section 12650 et seq. and Penal Code Section 72, the District may debar a Contractor pursuant to Article 15 of the General Conditions if the Board, or the Board may designate a hearing officer who, in his or her discretion, finds the Contractor has done any of the following:
- a. Intentionally or with reckless disregard, violated any term of a contract with the District;
  - b. Committed an act or omission which reflects on the Contractor's quality, fitness or capacity to perform work for the District;
  - c. Committed an act or offense which indicates a lack of business integrity or business honesty; or,
  - d. Made or submitted a false claim against the District or any other public entity (See Government Code Sections 12650, et. seq., and Penal Code Section 72)
17. Designation of Subcontractors: In compliance with the Subletting and Subcontracting Fair Practices Act (California Public Contract Code Sections 4100 et. seq.) and any amendments thereof, each bidder shall list subcontractors on the District's form Subcontractor list. This subcontractor list shall be submitted with the bid and is a required form.

18. Bid Certification

I agree to receive service of notices at the e-mail address listed below.

I, the below-indicated bidder, declare under penalty of perjury that the information provided and representations made in this bid are true and correct.

\_\_\_\_\_  
Proper Name of Company

\_\_\_\_\_  
Name of Bidder Representative

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City, State, and Zip

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Fax Number

\_\_\_\_\_  
E-mail

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature of Bidder Representative

**NOTE:** If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of authorized officers or agents and the document shall bear the corporate seal; if bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if bidder is an individual, his signature shall be placed above.

**All signatures must be made in permanent blue ink.**

**SBCUSD - PRE-QUALIFICATIONS**  
**AS 03.13.19**

	<b>Contractor Name</b>	<b>Contact Name</b>	<b>Contact Email</b>	<b>Contact Phone</b>
1	2H CONSTRUCTION, INC.	SEAN HITCHCOCK RYAN SHOTWELL	<a href="mailto:SEAN@2HCONSTRUCTION.COM">SEAN@2HCONSTRUCTION.COM</a> <a href="mailto:RYAN@2HCONSTRUCTION.COM">RYAN@2HCONSTRUCTION.COM</a>	(562) 424-5567
2	ACC CONTRACTORS, INC.	RUBEN MAGALIAN	<a href="mailto:RUBEN@ACCCONTRACTORS.COM">RUBEN@ACCCONTRACTORS.COM</a>	(626) 969-1931
3	ACCESS PACIFIC, INC.	TOMAS TORRES	<a href="mailto:ESTIMATING@ACCESSPACIFIC.INC.">ESTIMATING@ACCESSPACIFIC.INC.</a>	(626) 792-0616
4	AEP ELECTRIC	WAYNE BREWSTER	<a href="mailto:AEPELECTRIC@GMAIL.COM">AEPELECTRIC@GMAIL.COM</a>	(951) 265-9842
5	ALLISON MECHANICAL, INC.	BONNIE GORDON	<a href="mailto:BGORDON@ALLISON1.NET">BGORDON@ALLISON1.NET</a>	(909) 478-5633
6	ALL-PRO COMMUNICATION TECHNOLOGIES, INC.	KATHLEEN DO	<a href="mailto:KATHLEEN@ALLPROCTI.COM">KATHLEEN@ALLPROCTI.COM</a>	(909) 596-7051
7	AMERICAN INTEGRATED SERVICES	NATHAN STANLEY	<a href="mailto:NSTANLEY@AMERICANINTEGRATED.COM">NSTANLEY@AMERICANINTEGRATED.COM</a>	(310) 522-1168
8	ARROWHEAD MECHANICAL INC.. Dba ARROWHEAD SHEET METAL	ROBERT GASTEL	<a href="mailto:ARROWHEADM@AOL.COM">ARROWHEADM@AOL.COM</a>	(909) 884-0174
9	ASPHALT FABRIC & ENGINEERING, INC.	MAGGIE MAGANANA	<a href="mailto:MMAGANA@AFESPORTS.COM">MMAGANA@AFESPORTS.COM</a>	(562) 997-4129
10	BALFOUR BEATTY CONSTRUCTION, LLC	LAYNE ARTHUR	<a href="mailto:ALERT@BALFOURBEATTYUS.COM">ALERT@BALFOURBEATTYUS.COM</a>	(951) 462-7700
11	BALI CONSTRUCTION, INC.	GRANT WOOD	<a href="mailto:ESTIMATING@BALICONSTRUCTION.COM">ESTIMATING@BALICONSTRUCTION.COM</a>	(626) 442-8003
12	BEN'S ASPHALT INC.	JOHN SKEFFINGTON	<a href="mailto:JOHN.SKEFFINTON@BENSASPHALT.COM">JOHN.SKEFFINTON@BENSASPHALT.COM</a>	(714) 540-1700
13	BOGH ENGINEERING, INC.	MARK BOGH	<a href="mailto:LISA@BOGH.BIZ">LISA@BOGH.BIZ</a>	(951) 845-4607
14	BORBON INCORPORATED	SHANNON WILLIAMS	<a href="mailto:SHANNONW@BORBON.NET">SHANNONW@BORBON.NET</a>	(714) 994-0170
15	BYROM-DAVEY, INC.	CHRISTINE BUTLER	<a href="mailto:CHRISTINEB@BYROM-DAVEY.COM">CHRISTINEB@BYROM-DAVEY.COM</a>	858-513-7199
16	C. W. DRIVER, LLC	RICHARD FREEARK	<a href="mailto:RFREEARK@CWDRIVER.COM">RFREEARK@CWDRIVER.COM</a>	(909) 945-1919
17	CASTLEROCK ENVIRONMENTAL, INC.	RUSSELL D. PLEJDRUP	<a href="mailto:RUSSELL@CASTLEROCKENV.COM">RUSSELL@CASTLEROCKENV.COM</a>	(562) 941-9244
18	CASTON, INC.	GREG MALACHOWSKI	<a href="mailto:GREG@CASTONINC.COM">GREG@CASTONINC.COM</a>	(909) 381-1619
19	COLUMBIA STEEL, INC.	LYDIA ROBINSON	<a href="mailto:LROBINSON@CSIRIALTO.COM">LROBINSON@CSIRIALTO.COM</a>	(909) 874-8840
20	COUTS HEATING & COOLING, INC.	JOHN R. COUTS	<a href="mailto:JCOUTS@COUTS.COM">JCOUTS@COUTS.COM</a>	(951) 278-5560
21	CRAMER PAINTING, INC.	STEVEN L CRAMER	<a href="mailto:BIDS@CRAMERPAINTING.COM">BIDS@CRAMERPAINTING.COM</a>	(909) 397-5770
22	D & M MARTIN CONSTRUCTION, INC.	MIKE MARTIN	<a href="mailto:MARTINCONSTRUCTION123@GMAIL.COM">MARTINCONSTRUCTION123@GMAIL.COM</a>	(909) 338-1348
23	DALKE & SONS CONSTRUCTION	BARRY DALKE	<a href="mailto:BARRY@DALKEANDSONS.COM">BARRY@DALKEANDSONS.COM</a>	(951) 274-9880

**SBCUSD - PRE-QUALIFICATIONS**  
**AS 03.13.19**

	<b>Contractor Name</b>	<b>Contact Name</b>	<b>Contact Email</b>	<b>Contact Phone</b>
24	DAN WORLEY PLUMBING, INC.	BRAD WORLEY	<a href="mailto:BWORLEY@DANWORLEYPLUMBING.COM">BWORLEY@DANWORLEYPLUMBING.COM</a>	(760) 247-8829
25	DANIEL'S ELECTRICAL CONSTRUCTION, CO., INC.	THOMAS G. ISPAS	<a href="mailto:TOM@DANIELELECTRIC.COM">TOM@DANIELELECTRIC.COM</a>	(909) 427-9000
26	DESERT AIR CONDITIONING, INC.	JEFFREY W. SHAW	<a href="mailto:TINA@DESERTAIRPS.COM">TINA@DESERTAIRPS.COM</a>	(760) 323-3383
27	DIGITAL NETWORKS GROUP, INC.	RON PONCE/FELICIA MCGINN	<a href="mailto:BIDDESK@DIGITALNETWORKSGROUP.COM">BIDDESK@DIGITALNETWORKSGROUP.COM</a>	(949) 428-6333
28	EMPYREAN PLUMBING, INC.	DAVID A. KORALEWSKI	<a href="mailto:DAVE@EMPYREANPLUMBING.COM">DAVE@EMPYREANPLUMBING.COM</a>	(951) 776-4616
29	ENKO SYSTEMS, INC.	JAMES ENKOSKY	<a href="mailto:NICOLEH@ENKOSYSTEMS.COM">NICOLEH@ENKOSYSTEMS.COM</a>	(909) 885-7771
30	ENVIRONMENTAL CONSTRUCTION, INC.	FARID SOROUDI	<a href="mailto:ESTIMATING@ENVIRONCON.COM">ESTIMATING@ENVIRONCON.COM</a>	(818) 449-8920
31	EXCLUSIVE METAL	ADRIANA JAUREGUI	<a href="mailto:LIZ@EXCLUSIVEMETALS.COM">LIZ@EXCLUSIVEMETALS.COM</a>	(951) 943-3948
32	FISCHER, INC.	BETH MORGAN	<a href="mailto:BETH@FISHCHERINC.US">BETH@FISHCHERINC.US</a>	(909) 881-2910
33	FRANKLIN MECHANICAL SYSTEMS, INC.	JOE HORACEK	<a href="mailto:JOEFMS@EARTHLINK.NET">JOEFMS@EARTHLINK.NET</a>	(951) 845-1000
34	G A ABELL, INC. dba PRECISION ELECTRIC COMPANY	VIVIAN CASTRO	<a href="mailto:ESTIMATING@PECSD.COM">ESTIMATING@PECSD.COM</a>	(619) 390-2991
35	HARIK CONSTRUCTION, INC.	LILA HOVERMAN	<a href="mailto:LILAH@HARIKCONSTRUCTION.COM">LILAH@HARIKCONSTRUCTION.COM</a>	(626) 859-0011
36	HELLAS CONSTRUCTION, INC.	JACK ADAMS	<a href="mailto:JADAMS@HELLASCONSTRUCTION.COM">JADAMS@HELLASCONSTRUCTION.COM</a>	(512) 250-2910
37	INLAND BUILDING CONSTRUCTION COMPANIES, INC.	JEREMY KNIGHT	<a href="mailto:JKNIGHT@IBCCINC.COM">JKNIGHT@IBCCINC.COM</a>	(909) 884-6276
38	INLAND PACIFIC TILE, INC.	RICHARD JACOBS	<a href="mailto:RICH@INLANDPACIFICTILE.COM">RICH@INLANDPACIFICTILE.COM</a>	(909) 890-4676
39	INNOVATIVE CONSTRUCTION SOLUTIONS	DON STRENGER	<a href="mailto:BIDS@ICSINC.TV">BIDS@ICSINC.TV</a>	(714) 893-6366
40	INTEGRATED DEMOLITION AND REMEDIATION, INC.	SHRENIK VORA	<a href="mailto:NICK@IDRDEMO.COM">NICK@IDRDEMO.COM</a>	(71) 434-0333
41	INTERIOR DEMO EARTHWISE DEMO	MARIA MOLINA	<a href="mailto:MARIA@INTERIORDEMOLITION.COM">MARIA@INTERIORDEMOLITION.COM</a>	(818) 249-4932
42	JERGENSEN'S CONSTRUCTION	TODD JERGENSEN	<a href="mailto:TJERGENSEN@MSN.COM">TJERGENSEN@MSN.COM</a>	(760) 947-4545
43	JJJ FLOOR COVERING, INC.	JIM JEFFRIES	<a href="mailto:JJJEFFRIES@JJJFLOORCOVERING.COM">JJJEFFRIES@JJJFLOORCOVERING.COM</a>	(562) 692-9008
44	JPI DEVELOPMENT GROUP, INC.	MARIELA BARRERA	<a href="mailto:ESTIMATING@JPIDEVELOPMENT.COM">ESTIMATING@JPIDEVELOPMENT.COM</a>	(951) 973-7680
45	KAR CONSTRUCTION, INC.	KURT ROTHWEILER	<a href="mailto:KURTROTHWEILER@KARCONSTRUCTION.COM">KURTROTHWEILER@KARCONSTRUCTION.COM</a>	(909) 988-5054
46	LEE & STIRES	KATRINA RICHARDSON	<a href="mailto:KATRINAR@LEE-STIRES.COM">KATRINAR@LEE-STIRES.COM</a>	(909) 983-9557

**SBCUSD - PRE-QUALIFICATIONS**  
**AS 03.13.19**

	<b>Contractor Name</b>	<b>Contact Name</b>	<b>Contact Email</b>	<b>Contact Phone</b>
47	LEONIDA BUILDERS, INC.	PANAGIOTIS LEONIDA	<a href="mailto:PANIKOS@LEONIDABUILDERS.COM">PANIKOS@LEONIDABUILDERS.COM</a>	(951) 532-7717
48	LOS ANGELES ENGINEERING, INC.	AARON O'BRIEN	<a href="mailto:AARON@LAENG.NET">AARON@LAENG.NET</a>	(626) 454-5222
49	M. WILSON COMPANY CONTRACTORS, INC.	MICHAEL H. WILSON	<a href="mailto:ALISSA@UIA.NET">ALISSA@UIA.NET</a>	(909) 593-5272
50	MARINA LANDSCAPE, INC.	JOHN GUTIERREZ	<a href="mailto:ESTIMATOR@MARINACO.COM">ESTIMATOR@MARINACO.COM</a>	(714) 939-6600
51	MEL SMITH ELECTRIC, INC.	MEL SMITH	<a href="mailto:ESTIMATING@MELSMITHELECTRIC.COM">ESTIMATING@MELSMITHELECTRIC.COM</a>	(714) 761-3205
52	MESA ENERGY SYSTEMS, INC.	SHAUN AYVAZI	<a href="mailto:SAYVAZI@EMCOR.NET">SAYVAZI@EMCOR.NET</a>	(949) 431-9352
53	MISSION PAVING AND SEALING, INC.	MIKE MILLER	<a href="mailto:MIKE@MISSIONPAVING.COM">MIKE@MISSIONPAVING.COM</a>	(626) 452-8200
54	MPI - MILLER PLUMBING, INC.	CHRIS MILLER	<a href="mailto:CHRIS@MPIPLUMBING.COM">CHRIS@MPIPLUMBING.COM</a>	(626) 372-3665
55	NEFF CONSTRUCTION, INC.	EDWARD C. MIERAU	<a href="mailto:ED@NEFFCON.COM">ED@NEFFCON.COM</a>	(909) 947-3768
56	OAKVIEW CONSTRUCTORS, INC.	TAMMY BERNARDO	<a href="mailto:TAMMI@OAKVIEWCI.COM">TAMMI@OAKVIEWCI.COM</a>	(909) 795-0990
57	OHNO CONSTRUCTION COMPANY	MICIO MARCUS OHNO	<a href="mailto:OHNOCC@COMCAST.NET">OHNOCC@COMCAST.NET</a>	(619) 278-8824
58	PA THOMPSON ENGINEERING COMPANY INC. dba THOMPSON ENGINEERING	KRIS CLIFFORD	<a href="mailto:KCLIFFORD@THOMPSONE.COM">KCLIFFORD@THOMPSONE.COM</a> <a href="mailto:BIDS@THOMPSONE.COM">BIDS@THOMPSONE.COM</a>	(951) 784-7270
59	PACIFIC WEST INDUSTRIES, INC.	TERESA MOULTON	<a href="mailto:TERESA.M@PACWESTAC.COM">TERESA.M@PACWESTAC.COM</a>	(866) 328-2129
60	PATHWAY COMMUNICATIONS LTD	BECKY THURMON	<a href="mailto:BECKYT@PCOMUS.COM">BECKYT@PCOMUS.COM</a>	(858) 324-1036
61	PCN3, INC.	BRIAN ABGHARI	<a href="mailto:ESTIMATING@PCN3.COM">ESTIMATING@PCN3.COM</a>	(562) 493-4124
62	PIANA CONSTRUCTION & PAINTING INC.	JOSEPH PAPADOPOULOS	<a href="mailto:PIANACONSTRUCTION@SBCGLOBAL.NET">PIANACONSTRUCTION@SBCGLOBAL.NET</a>	(818) 488-1740
63	PINNER CONSTRUCTION CO., INC.	JUSTIN DAVIS	<a href="mailto:JUSTIN@PINNERCONSTRUCTION.COM">JUSTIN@PINNERCONSTRUCTION.COM</a>	714-490-4000
64	PLYCO CORP	HECTOR VALENCIA	<a href="mailto:PLYCO@PLYCOCORP.COM">PLYCO@PLYCOCORP.COM</a>	(951) 727-8200
65	PREFERRED CEILINGS, INC.	RICK G. RISSE	<a href="mailto:RICK@PREFERREDCEILINGS.COM">RICK@PREFERREDCEILINGS.COM</a>	(714) 255-9336
66	PRO-CRAFT CONSTRUCTION, INC.	ESTIMATING DEPARTMENT	<a href="mailto:ESTIMATING@PROCRAFTCI.COM">ESTIMATING@PROCRAFTCI.COM</a>	(909) 790-5222
67	RAN ENTERPRISES, INC.	THIERRY ABINADER	<a href="mailto:ROGER@RANENT.COM">ROGER@RANENT.COM</a>	(714) 842-8688
68	RANCHO PACIFIC ELECTRIC, INC.	JAIMEE IMMEKUS	<a href="mailto:JIMMEKUS@RPEINC.NET">JIMMEKUS@RPEINC.NET</a>	(909) 476-1022
69	RDM ELECTRIC, CO.	MARIA DE LEON	<a href="mailto:M.DELEON@RDMCOMPANIES.COM">M.DELEON@RDMCOMPANIES.COM</a>	(909) 591-0990

**SBCUSD - PRE-QUALIFICATIONS**  
**AS 03.13.19**

	<b>Contractor Name</b>	<b>Contact Name</b>	<b>Contact Email</b>	<b>Contact Phone</b>
70	RESOURCE ENVIRONMENTAL, INC.	CYNTHIA SKIFF	<a href="mailto:CYNTHIA@RESOURCE-ENV.COM">CYNTHIA@RESOURCE-ENV.COM</a>	(562) 468-7000
71	RIS ELECTRICAL CONTRACTORS, INC.	ROBERT M. HAYES	<a href="mailto:BOB@RISELEC.COM">BOB@RISELEC.COM</a>	(951) 653-2611
72	RISHER SOUTHERLAND, INC. dba UNITED CONTRACTORS	JAN GUINN	<a href="mailto:ESTIMATING@UNITED-CONTRACTORS.US">ESTIMATING@UNITED-CONTRACTORS.US</a>	(909) 388-7400
73	RYAN ELECTRIC, INC.	MATTHEW R. RYAN	<a href="mailto:RYANELECTRICINC@VERIZON.NET">RYANELECTRICINC@VERIZON.NET</a>	(909) 465-0434
74	S.J. AMOROSO CONSTRUCTION CO., INC.	DONNA PUGLISI	<a href="mailto:DPUGLISI@SIAMOROSO.COM">DPUGLISI@SIAMOROSO.COM</a>	(714) 433-2326
75	SCORPIO ENTERPRISES dba AIRE-MASTERS AIR CONDITIONING	CHARLES THOMPSON	<a href="mailto:CTHOMPSON@AIREMASTERS-AC">CTHOMPSON@AIREMASTERS-AC</a>	(562) 944-6302
76	SIERRA LATHING COMPANY, INC.	RAY LYTHLE	<a href="mailto:RLYTHLE@SIERRALATHING.COM">RLYTHLE@SIERRALATHING.COM</a>	(909) 421-0211
77	SILVER CREEK INDUSTRIES, INC.	SUZANNE WILLIS	<a href="mailto:SWILLIS@SILVER-CREEK.NET">SWILLIS@SILVER-CREEK.NET</a>	(951) 943-5393
78	STREAMLINE PAINTING, INC.	JESSICA MCMICHAEL	<a href="mailto:JESSICA@STREAMLINEPAINTINC.COM">JESSICA@STREAMLINEPAINTINC.COM</a>	(951) 663-1001
79	T3 CONTRACTORS CORP	EDGAR TALAVERA	<a href="mailto:EDGAR@T3CONTRACTORS.COM">EDGAR@T3CONTRACTORS.COM</a>	(951) 977-8370
80	TELACU CONSTRUCTION MANAGEMENT	DANIEL CLEM	<a href="mailto:DCLEM@TELACU.COM">DCLEM@TELACU.COM</a>	(714) 541-2390
81	THE MIKE COX ELECTRIC, INC.	SHANE COX	<a href="mailto:INFO@MIKECOXELECTRIC.COM">INFO@MIKECOXELECTRIC.COM</a>	(909) 889-6287
82	TIME AND ALARM SYSTEMS	ASHLEY GARCIA	<a href="mailto:ASHLEYG@TIMEANDALARM.COM">ASHLEYG@TIMEANDALARM.COM</a>	(951) 685-1761
83	VALLEY CITIES/GONZALES FENCE, INC.	DAVID GONZALES	<a href="mailto:DAVEVCF@GMAIL.COM">DAVEVCF@GMAIL.COM</a>	(951) 735-1145
84	VALLEY PIPELINE SERVICES, INC.	STEVE VATTER	<a href="mailto:STEVE@VALLEYPEPIPELINE.COM">STEVE@VALLEYPEPIPELINE.COM</a>	(760) 564-9220
85	VECTOR RESOURCES, INC. dba VECTOR USA	SKYLER PETERSON	<a href="mailto:SPETERSON@VECTORUSA.COM">SPETERSON@VECTORUSA.COM</a>	(909) 303-7739
86	VERNE'S PLUMBING, INC.	CECILIA SCHULD	<a href="mailto:CECI@VERNESPLUMBING.COM">CECI@VERNESPLUMBING.COM</a>	(714) 994-1971
87	VSC INCORPORATED DBC VULCAN STEEL COMPANY	LAURA REYNOSA	<a href="mailto:DAVISHOPPER@VULCANSTEELCOMPANY.COM">DAVISHOPPER@VULCANSTEELCOMPANY.COM</a>	(909) 877-0975
88	WEST-TECH MECHANICAL, INC.	GUS WAHID	<a href="mailto:BIDS@WESTTECHMECH.COM">BIDS@WESTTECHMECH.COM</a>	(909) 635-1170
89	XCEL MECHANICAL SYSTEMS, INC.	MALOU LAUREANO	<a href="mailto:MLAUREANO@XCELMECH.COM">MLAUREANO@XCELMECH.COM</a>	(310) 660-0090

**PRE-BID CLARIFICATION FORM (For Contractor's Use)**

PROJECT NAME:	SAN ANDREAS HS - GROWING HOPE - PHASE 2		
PROJECT NUMBER:	F19-02		
TO: ARCHITECT		EMAIL:	

DATE:	2-6-19		
FROM:	D & M MARTIN CONST. INC.	EMAIL:	
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	

REQUESTED CLARIFICATION:
<p><b>SITE OVEREXCAVATION REQUIREMENTS:</b> SHEET C0.02, NOTE 4.05, "OVER EXCAVATED TO A MIN. DEPTH OF 3' BELOW THE BOTTOM OF THE PROPOSED FOOTINGS, OR 5' BELOW THE EXISTING GRADE, WHICHEVER IS GREATER."</p> <p>SPEC. SECTION 31 2000, PAGE 5, ITEM 3.6 D, "OVEREXCAVATE A MIN. DEPTH OF 3' BENEATH ALL FOOTINGS."</p> <p>SOME OF THE NEW FOOTINGS ARE 7' DEEP. WOULD THIS REQUIRE AN OVEREXCAVATION OF 10' DEEP? IF SO, WHAT WOULD BE REQUIRED AROUND THE EXISTING UNDERGROUND UTILITIES THAT SHOW ONLY 2' TO 3' DEEP IN THE BUILDING AREA?</p>
RESPONSE TO CLARIFICATION:
<p>As recommended in the geotechnical investigation, overexcavation requirements are as stated on Sheet C0.02, Note 4.05. For utilities discovered to be in conflict with footing locations or other construction elements, contractor shall relocate active utilities around these intersections. For non-active utilities, contractor shall cap and abandon in place or remove as necessary. School site is in use during normal business hours so there shall be no interruption to any utility services during these times. Coordinate all relocations with Architect/District and any local municipalities beforehand.</p> <p align="right">- Jeff Tancharoen 3/14/19</p>



## **SECTION 32 31 19**

### **DECORATIVE METAL FENCES AND GATES**

#### **1. PART 1 GENERAL**

##### **1.1 SECTION INCLUDES**

- A. Decorative metal fencing.
- B. Gates.
- C. Hardware.

##### **1.2 REFERENCES**

- A. The 2010 Americans with Disabilities Act (ADA) Standards for Accessible Design.
- B. CBC - California Building Code, (CCR) California Code of Regulations, Title 24, Part 2, California State Accessibility Standards.
- C. ASTM A653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
- D. ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- E. ASTM D523 - Test Method for Specular Gloss.
- F. ASTM D714 - Test Method for Evaluating Degree of Blistering in Paint.
- G. ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.
- H. ASTM D924 - General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dipped Process.

- I. ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
- J. ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
- K. ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- L. ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.
- M. ASTM F2408 - Ornamental Fences Employing Galvanized Steel Tubular Pickets.

### 1.3 SYSTEM DESCRIPTION

- A. Basis of Design: Ameristar Montage II® Welded and Rackable Ornamental Steel Invincible™ design. The system shall include all components to include panels, posts, gates and hardware required.

### 1.4 SUBMITTALS

- A. Submit shop drawings under provisions of Section 01 33 00.
- B. Submit shop drawings indicating fencing components, attachments and hardware installation.
- C. Submit product data under provisions of Section 01 33 00.
- D. Submit product data for each type of fencing specified.
- E. Submit samples under provisions of Section 01 33 00.
- F. Submit two samples illustrating fencing finish.
- G. Submit manufacturer's certificate under provisions of Section 01 33 00 that products meet or exceed specified requirements.
- H. Submit manufacturer's installation instructions under provisions of Section 01 33 00.

## 1.5 QUALITY ASSURANCE

- A. Quality Assurance: Under provisions of Section 01 40 10.
- B. Perform work in accordance with manufacturer's printed instructions.
- C. Maintain one copy of document on site.

## 1.6 QUALIFICATIONS

- A. Manufacturer: Company specializing in the manufacture of products specified in this Section with minimum ten years documented experience.
- B. Installer: Company specializing in applying the work of this Section with minimum five years documented experience.

## 1.7 REGULATORY REQUIREMENT

- A. Conform to CBC - California Building Code, (CCR) California Code of Regulations, Title 24, Part 2.
- B. Conform to CBC - California Building Code, (CCR) California Code of Regulations, Title 24, Part 2, and the 2010 ADA Standards for Accessible Design for accessibility requirements.

## 1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store and protect products to site under provisions of Section 01 61 00.
- B. Store and protect products under provisions of Section 01 61 00.
- C. Protect fencing materials from damage.

## 1.9 SEQUENCING AND SCHEDULING

- A. Schedule work under provisions of Section 01 32 16.
- B. Coordinate work under provisions of Section 01 31 00.

## 1.10 WARRANTY

- A. All rails, pickets, and posts shall be warranted by the manufacturer for a period of 20 years from date of Substantial Completion. Warranty shall cover any defects in material finish, including cracking, peeling, chipping, blistering or corroding.
- B. Reimbursement for labor necessary to restore or replace components that have been found to be defective under the terms of manufacturer's warranty shall be guaranteed for 5 years from date of Substantial Completion.

## 2. PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Basis of Design: Montage II® Welded and Rackable Ornamental Steel, Invincible™ design, 3-Rail style, extended picket, industrial swivel brackets, 8'-0" in height, manufactured by Ameristar Fence Products, Inc., [www.ameristarfence.com](http://www.ameristarfence.com)
- B. Other acceptable manufacturers:
  - 1. Beta Fence USA, [www.betafenceusa.com](http://www.betafenceusa.com).
  - 2. Master Halco, [www.masterhalco.com](http://www.masterhalco.com).
- C. Substitutions: Under provisions of Section 01 25 13.

### 2.2 MATERIALS

- A. Steel Material for Fence Pickets, Rails and Posts: Galvanized prior to forming. Conform to requirements of ASTM A924, with a minimum yield strength of 45,000 psi. Hot-dip galvanized to meet requirements of ASTM A653 with a minimum zinc coating weight of 0.60 oz/ft<sup>2</sup>, Coating Designation G-60.
- B. Fence pickets: 1 inch square x 14 Ga. tubing.
- C. Rails Steel channel, 1.75 x 1.75 x .105 inch. Picket holes in rail shall be spaced 4.715 inch o.c.

- D. Fence Posts: 3 inch x 12 gauge.
- E. Gate posts: Minimum size requirements below for gate width listed:
  - 1. 3'-0" to 8'-0": 3 inch x 12 gage
  - 2. 8'-1" to 14'-0": 4 inch x 11 gauge
  - 3. 14'-1" to 16'-0": 6" x 3/16 inch thick

### 2.3 FABRICATION - FENCING

- A. Pickets, rails and posts shall be pre-cut to specified lengths. Rails shall be pre-punched to accept pickets.
- B. Pickets shall be inserted into pre-punched holes in rails and aligned to standard spacing using a calibrated alignment fixture. The aligned pickets and rails shall be joined at each picket-to-rail intersection by fusion welding.
- C. Fence system shall be capable of meeting the vertical load, horizontal load, and infill performance requirements for Industrial weight fences under ASTM F2408.

### 2.4 FABRICATION - SWINGING GATES

- A. Fabricated using 1.75 inch x 14 ga Forerunner double channel rail, 2 inch sq. x 11 ga. gate ends, and 1 inch sq. x 14 ga. pickets.
- B. Gates that exceed 6'-0" in width will have a 1.75 inch sq. x 14 ga. intermediate upright.
- C. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding. Gusset plates will be welded at each upright to rail intersection.
- D. Cable kits will be provided for additional trussing for all gates leaves over 6'-0".

## 2.5 FABRICATION - ROLLING GATES

- A. Rolling gate system shall conform to Pass Port Commercial design series, manufactured by Ameristar Fence Products, Inc. [www.ameristarfence.com](http://www.ameristarfence.com).
- B. Design series to match adjacent fence design.
- C. Ornamental Pickets: 1 inch sq. x 14 ga. spaced at 4-5/8 inch on center.
- D. Top Rails, Uprights and Diagonals: 2 inch sq. x 12 ga.
- E. Bottom Rail: 2 inch x 4 inch x 11 ga.
- F. Posts: 4 inch sq. x 11 ga.
- G. Gate Accessories: Roller guides, V-grooved wheels, V-track and gate stops as required by manufactured system.
- H. Assembled gate to withstand a 200 lb. load applied at mid span of gate without permanent deformation.

## 2.6 FACTORY FINISHING

- A. Panels and posts shall be subjected to an inline electro deposition coating (E-Coat) process consisting of a multi-stage pretreatment/wash with zinc phosphate, followed by a duplex application of an epoxy primer and an acrylic topcoat. The minimum cumulative coating thickness of epoxy and acrylic shall be 2 mils. The color shall be Black.
- B. The coated panels and posts shall be capable of meeting the performance requirements for each quality characteristic shown below:
  - 1. Adhesion - ASTM D3359- Method D: Adhesion over 90 percent of test area.
  - 2. Corrosion Resistance - ASTM B117, D714 & D1654: Resistance of over 1,500 hours.
  - 3. Impact Resistance - ASTM D2794: Impact resistance of over 60 inch lbs.

4. Weathering Resistance - ASTM D822, D2244, & D523 (60 degree method): Weather Resistance of over 1,000 hours with color variance of no more than 3 delta - E color units.

## 2.7 GATE HARDWARE

- A. Swinging Gate Hardware: Fork type latch with gravity drop and provisions for padlock; center gate stop and drop rod for vehicular gates. Three 180 degree heavy duty gate hinges per leaf.
- B. Rolling Gate Hardware: Manufacturer's standard rolling gate latch capable of padlock attachment.
- C. Accessible gate hardware:
  1. Cylinder lock keyed both sides: Schlage Commercial Latch No. L9066 x 06N, [www.schlage.com](http://www.schlage.com).
  2. Panic bar exit device: Von Duprin AX-PA-99L x 996L-03 626, [www.vonduprin.com](http://www.vonduprin.com).
  3. I/C Rim Cylinder 20-057-ICX 626 Schlage.
  4. I/C Core Cylinder 23-030 626 Schlage.
  5. Kickplate: Commercial quality cold rolled steel conforming to ASTM A653 galvanized to G60 coating class according to ASTM A924 with minimized spangle, 0.067 inch thick, with all edges hemmed. Finish to match fencing.
  6. Security Screen: 1 / 8 inch thick galvanized steel screen. 3 / 16 inch round holes on 1/4 inch centers, staggered. 51 percent open area. Finish to match fencing.

## 2.8 CONCRETE MIX DESIGN

- A. Concrete: As specified in Section 32 13 13.

### 3. PART 3 EXECUTION

#### 3.1 EXAMINATION

- A. Verify that locations for fencing are ready to receive work.
- B. Verify field measurements are as shown on shop drawings.
- C. Verify that required utilities are available, in proper locations, and ready for use.
- D. Beginning of installation means installer accepts existing conditions.

#### 3.2 FENCE INSTALLATION

- A. Erect in accordance with manufacturer's instructions.
- B. Space fence posts at a maximum spacing of 8'-0" o.c.
- C. Anchor posts and panels to walls where required using mechanical fasteners and brackets provided by manufacturer.
- D. Anchor panels to posts with brackets provided by manufacturer.
- E. Install posts in concrete footings as follows:
  - 1. Line Posts: 12 inch diameter x 3'-6" depth.
  - 2. Corner Post: 1'-6" diameter x 4'-6" depth.
  - 3. Gate Posts: 1'-6" diameter x 4'-6" depth.
  - 4. Finish top of footing smooth with adjacent grade. Slope top to drain.
- F. When installing fencing adhere to the following steps to seal cut or drilled steel surfaces:
  - 1. Remove all metal shavings from cut area.
  - 2. Apply zinc-rich primer to cut or drilled area.



- 3. Apply 2 coats of custom finish paint matching fence color.
- 4. Primer and touch up paint to be provided by fence manufacturer.
- G. Install V-track for rolling gate in 6 x 12 inch concrete mow strip.

### 3.3 TOLERANCES

- A. Maximum Post Spacing Variation: ½ inch maximum.

### 3.4 ADJUSTING

- A. Adjust work under provisions of Section 01 77 00.
- B. Adjust gates for smooth operation with operating force off swinging pedestrian gates not to exceed 5 lbs pressure.

### 3.5 CLEANING

- A. Clean work under provisions of Section 01 77 00.
- B. Clean fencing and remove any excess materials from site.

END OF SECTION