



SAN BERNARDINO COUNTY  
DEPARTMENT OF PUBLIC WORKS  
SPECIAL DISTRICTS

**ADDENDUM NO. 1**

**TO THE BIDDING REQUIREMENTS, CONTRACT DOCUMENTS, GENERAL CONDITIONS,  
SPECIAL CONDITIONS, AND TECHNICAL SPECIFICATIONS FOR THE  
CSA 120 NORTH ETIWANDA PRESERVE – BATHROOM ADDITION PROJECT**

**PROJECT NO.: 30.30.0185**

DECEMBER 15, 2025

The Contract Documents for the above referenced project are hereby amended in the following manner to clarify certain bid items identified at the job walk held on December 4, 2025. All provisions of Addendum No. 1 are hereby incorporated into the Contract Documents, and Bidders shall account for all provisions pursuant to this Addendum No.1 in submitting their bid proposals. **Each Bidder shall include a dated and signed copy of this Addendum with their sealed bid proposal.**

1. SECTION A: BIDDER REQUIREMENTS

Contractors are advised of the following changes as they appear within Section A: BIDDER REQUIREMENT of the Specifications.

- A. All references to the bid due date for **CSA 120 NORTH ETIWANDA PRESERVE – BATHROOM ADDITION PROJECT** shall be replaced from December 18, 2025 at 10:00 a.m. to January 7, 2026 at 10:00 a.m.
- B. Contractor is advised to replace “BID PROPOSAL” pages BP-1 thru BP-9, hereby issued on December 15, 2025, accompany this Addendum No. 1. The revisions include clarifying the scope of work associated to **ADDITIVE BID NO.1 – FUEL MANAGEMENT AND VEGETATION TREATMENT.**

2. SECTION F: TECHNICAL SPECIFICATIONS

Contractors are advised of the following changes as they appear within Section F: TECHNICAL SPECIFICATIONS.

- A. Contractors are advised to replace “Specification Section 13120 (Specifications for Easi-Set® Precast Concrete Restroom Buildings Flush Type - Pre-Fabricated)” and replace with “Specifications Section 131200 (Precast Concrete Restroom Buildings)” hereby issued within this addenda.

### 3. SECTION G: EXHIBITS

Contractors are advised of the following changes as they appear within Section G: EXHIBITS.

- A. Contractors are advised to replace **CVWD Standard Drawing 102B and 111** included in Sheet 3 of 9 on Section G: Exhibits, and replace with updated **CVWD Standard Drawings 102B and 111 dated April 17, 2025** hereby issued within this addendum.

### 4. BIDDER QUESTIONS

**Question 1:** Additive No. 1 – “Fuel Management & Vegetation Treatment (Exhibit H), can you please provide more information as to what exactly is it we are to bid? What is to be done? Square footage? Duration?”

**Answer:** Additive Alternate No. 1 references the Fuel Management & Vegetation Treatment report included as Exhibit H. This exhibit was included to provide contextual information regarding fuel-management considerations within the preserve.

To provide clarity on the biddable work elements of Additive No. 1, refer to the updated scope of work included in the ITEMIZED BID SCHEDULE (ADDITIVE BID NO.1 – FUEL MANAGEMENT AND VEGETATION TREATMENT (EXHIBIT H) issued within this addendum.

**Question 2:** Is there no electrical component to this project? 2022 California Electrical Code Part 3, Title 24 was referenced as an Applicable Code & Ordinance on the exhibit, sheet 4 of 9. However, there is no electrical plans or specifications

**Answer:** There is no electrical scope of work associated with the project. All lighting and powered components provided with the provided basis of design for the prefabricated restroom are solar-powered LED wall packs integrated into the structure. Refer to the updated Specifications 131200 (Precast Concrete Restroom Buildings) issued within this addendum.

**Question 3:** Will there be a precise grading plan release for this project, that clearly defines slope % as well as the defensible area mentioned at the job walk?

**Answer:** No precise grading plan shall be provided for this project. The restroom finish elevation shall be a minimum of 1 ft. above adjacent parking lot finish grade. The 1 ft. minimum above grade requirement is due to the restroom being located within a flood zone. The defensible area is defined within Sheet 9 of 9 of Exhibit G issued within this addendum.

**Question 4:** Specifications call out Structure Craft for the pre-fabricated structure. Are we able to use other vendors for the pre-fabricated structure? If so, is it necessary to pour a concrete foundation pad as noted in base bid line number 9 if the vendor's structure comes with a post tensioned slab?

**Answer:** Alternative restroom vendors are acceptable under “or equal” provisions, subject to County/City review and approval. Refer to substitution requirements stipulated within the General Conditions, Article 3.4.6. Submittals must demonstrate compliance with:

- Structural loads
- ADA requirements
- Utility stub-up compatibility
- Architectural and operational equivalency

If an alternative vendor includes an integrated or post-tensioned slab, the Contractor shall submit the vendor's foundation requirements for County and City review. The concrete pad (Base Bid Line No. 9) may be modified. Due to the location of the restroom, it falls within the flood zone area that requires the structure to be placed 1 ft. minimum above the surrounding grade / parking lot grade to accommodate flood zone requirements. Refer to approved substitution request form issued within this addendum.

**Question 5:** (Urban Interface Buffer Extents) Please confirm the extents of the Urban Interface Buffer Zone shown on Sheet 9 of 9, Exhibit G.

**Answer:** The Urban Interface Area (Cross Hatch) southernmost boundary (blue) begins approximately 100 ft. north of the residential edge. The UIB buffer zone itself is approximately 100' in width, extending continuously in the east-west direction along the preserve boundary. Based on the drawing's scaled extents, the UIB buffer zone area measures approximately 100,000 square feet.

The project work areas —identified as Zone 0, Zone 1, and Zone 2— are located approximately ~280 ft. north of the UIB's northernmost boundary (green). As such, the restroom footprint and all associated construction activities should occur well outside the UIB.

The intent of displaying the Urban Interface Buffer (Cross Hatch Area) on sheet 9 is purely informational and contextual, intended to demonstrate compliance with environmental review requirements and fire-prevention defensible-space regulations applicable to the broader preserve area. The UIB does not impose any construction scope or vegetation management obligations under this project.

Provided the Contractor does not conduct activities that introduce fire hazards into the UIB, which the approved project scope does not, there are no additional compliance requirements tied to this buffer zone. Refer to Sheet 9 of 9 of Exhibit G included within this addendum.

**Question 6:** (Electrical Scope Clarification) Due to the absence of electrical design and utility information, please clarify whether the Owner/Design Team will provide a complete electrical design or if the Contractor is expected to provide full design-build electrical services, including engineering and stamped drawings. Please confirm whether bidders should carry an Owner-defined allowance for the electrical work, and if so, provide the allowance amount to ensure consistent and accurate pricing.

**Answer:** There is no electrical scope of work associated with the project, and as such, there is no expectation or need for full-design build services. There is no electrical allowance as part of the bid.

**Question 7:** (Special Conditions Section 23) In accordance with Special Conditions Section 23, please confirm the project requires a dedicated fire-control pickup truck, fully equipped and staffed with a full-time Fireman Operating Engineer, to be onsite during all working hours and for ½ hour after shutdown for the entire duration of the project?

**Answer:** In reference to Special Conditions Section 23 and the wording cited in the RFI, the following revision is made for clarification:

Original:

*“The Contractor shall furnish a pickup truck and driver that will be available for the sole purpose of fire control during all working hours and as specified herein...”*

Revision:

*“The Contractor shall furnish a pickup truck and driver that will be available for the purpose of fire control during all working hours and as specified herein...”*

**Question 8:** (SWPPP Requirements) Please confirm whether a SWPPP is required for this project, as there is no reference to SWPPP, NOI filing, or CGP applicability in the contract documents. We want to ensure compliance and proper coordination if stormwater permitting is expected.

**Answer:** The project should not exceed 1 acre of soil disturbance and therefore should not trigger CGP/NOI requirements.

Contractor shall still implement:

- Basic BMP's
- Erosion and sediment control
- Dust suppression measures

Refer to Section E – Special Conditions, Article 1.c for BMP requirements.

**Question 9:** (Waste Lines) Please confirm how the sewage tank shall be emptied. There is currently no tie-in to waste.

**Answer:** The basis of design (JP-2000-EBE-G) for the precast sewage tank is a gravity interceptor. It essentially functions as a sealed, watertight, underground holding tank. The product literature for this model series identified it suitable for wastewater storage applications. Accordingly, wastewater will be removed through periodic vacuum-truck pump outs performed by Special Districts Operations.

**Question 10:** Regarding the drinking fountain called out in the note on plan sheet page 4 of 9, our vendor states the Elkay Model # WBB2384629 (ezH2O outdoor model filling station) is not a good model number. Please see/approve attached spec for Model LK4420BF1UFRK to be used instead? If this is not an acceptable model please provide an alternate model number.

**Answer:** County considers Elkay Model LK4420BF1UFRK acceptable provided it meets:

- Outdoor-rated bottle filler
- Vandal-resistant features
- Freeze resistant valves
- ADA compliance

**Question 11:** Is there a geotechnical report for this project?

**Answer:** There is no geotechnical report for this project. Contractors shall base their bids on the understanding that subsurface conditions may vary across the site and that unknown or differing conditions may be encountered during construction.

Contractors shall assume that excavation, trenching, and foundation preparation for the restroom and utilities may require removal of unsuitable materials, moisture conditioning, reworking, or replacement with compacted fill to achieve proper support. Similarly for the sewage holding tank, Contractors shall take note of the assumptions noted and coordinate with manufacturer to determine any specific earthwork, subgrade preparation, or compaction requirements associated with the tank installation and include such work in the bid. All work shall be accomplished with typical geotechnical best practices associated with that type of work.

Restroom and Concrete Footprint Preparation: Due to the presence of unknown soil conditions, the contractor shall overexcavate soils within the upper 3 feet below existing grade. After overexcavation is completed, the exposed subgrade should be scarified, moisture conditions and compacted. If very low expansive onsite soils with Expansion Indices of 20 or less can be used to backfill the proposed restroom in thin lifts. The overexcavation should then be backfilled with suitable soil, compacted to at least 95% of the ASTM D1557 (modified Proctor) laboratory maximum density, at or slightly above optimum moisture bearing uniformity on compacted fill.

Storage Tank Footprint Preparation: Due to the presence of unknown soil conditions, the contractor shall overexcavate soils within the upper 1 foot below storage tank bottom elevation and 3 feet out radially (horizontally) from the tank bottom elevation. After overexcavation is completed, the exposed subgrade should be scarified, moisture conditions and compacted. If very low expansive onsite soils with Expansion Indices of 20 or less can be used to backfill the proposed storage tank footprint in thin lifts. The overexcavation should then be backfilled with suitable soil, compacted to

at least 95% of the ASTM D1557 (modified Proctor) laboratory maximum density, at or slightly above optimum moisture bearing uniformity on compacted fill.

Asphalt Footprint Preparation: Due to the presence of unknown soil conditions, the contractor shall overexcavate soils within the upper 1 feet below existing grade. After overexcavation is completed, the exposed subgrade should be scarified, moisture conditioned and compacted. If very low expansive onsite soils with Expansion Indices of 20 or less can be used to backfill the proposed asphalt footprint in thin lifts. The overexcavation should then be backfilled with suitable soil and base compacted to at least 95% of the ASTM D1557 (modified Proctor) laboratory maximum density, at or slightly above optimum moisture bearing uniformity on compacted fill.

Backfill Placement and Compaction: The onsite soil, free of organic material, cobbles, boulders, rubble, and rock less than 6" in largest dimensions, is suitable to be used as structural fill. All fill soil should be placed in loose lifts no greater than 8 inches in thickness, moisture conditioned as necessary to at least optimum moisture contact and compacted using proper equipment and then mechanically compacted. All fill under proposed restroom, asphalt and storage tank footprint should be compacted to a minimum of 95% relative compaction as determined by ASTM D1557 modified Proctor test method.

If material import is required to the site for use as fill should be reviewed and approved by the geotechnical engineer prior to import to the site and placement as fill. Imported soils should be very low expansive ( $EL \leq 20$ ); non-corrosive to metals and concrete; and be free of hazardous substances.

Utility Trench Backfill: Utility trenches should be backfilled in accordance with Section 306-12.2 (for narrow trenches) or Section 306-12.3 (for mechanically compacted backfill) of the *Standard Specifications for Public Works Construction* ("Greenbook"), 2021 Edition. Utility trenches can be backfilled with on-site soils free of debris, organic and oversized material up to 3 inches in largest dimensions. Prior to backfilling trenches, pipes should be bedded in and covered with either

- (1) Sand: A uniform, granular materials that has a Sand Equivalent (SE) of 30 or greater and a maximum particle size of  $\frac{3}{4}$  inch (or as specified by the pipe manufacturer), water densified in placed, or
- (2) CLSM: Controlled Low Strength Material (CLSM) conforming to Section 201-6 of the *Standard Specifications for Public Works Construction* ("Greenbook"), 2021 Edition.

Pipe bedding should extend at least 4 inches below any pipeline invert and at least 12 inches over the top of the pipeline.

Oversize Rocks: Oversized material is most likely to be encountered. If any oversized material (>6 inches in largest dimension) is encountered during excavation should be removed prior to placement as fill. Oversize rocks produced during excavation may be disposed of off-site, stockpiled at remaining flat and stable undeveloped ground surface away from the project footprint in coordination and direction by the County. Contractor may encounter cobbles or boulders of varying sizes, including materials upwards of 24 inches in diameter. No additional compensation shall be allowed for performing such work, as these conditions shall be considered part of the Contractor's means and methods for completing the Work.

Enclosed:

- CSA 120 North Etiwanda Preserve – Bathroom Addition Project Mandatory Pre-Bid Meeting Sign-In Sheet, December 4, 2025
- CSA 120 North Etiwanda Preserve – Bathroom Addition Project – Section A – Bidding Requirements BP-1 to BP-9.
- CSA 120 North Etiwanda Preserve – Bathroom Addition Project – Section F – Technical Specification Section 131200 (Precast Concrete Restroom Buildings)
- CVWD Standard Drawing 102B and 111, Dated April 11, 2025
- Substitution Request Form
- CSA 120 North Etiwanda Preserve – Bathroom Addition Project – Section G – Exhibits Sheet 9 of 9 Mark Up

ISSUE DATE: DECEMBER 15, 2025

Date Acknowledged by Bidder: \_\_\_\_\_

By: \_\_\_\_\_

By: \_\_\_\_\_

**Nicholas Torres**, Project Manager  
Department of Public Works - Special Districts  
Project Management Division

Bidders Company Name

\_\_\_\_\_  
Bidders Signature



San Bernardino County  
DEPARTMENT OF PUBLIC WORKS - SPECIAL DISTRICTS  
222 W. Hospitality Lane, 2<sup>nd</sup> Floor San Bernardino, CA 92415-0450  
Phone: (909) 386-8800

**CSA 120 NEP BATHROOM ADDITION PROJECT**

**Mandatory Pre-Bid Meeting Sign-In Sheet**

December 4, 2025 – 10:00AM

Project Manager: Nicholas Torres

PLEASE PRINT ALL SIGN-IN INFORMATION CLEARLY

1	COMPANY NAME	CONTACT PHONE NUMBER
	PGS	442 243 0874
	ATTENDEE NAME	EMAIL ADDRESS
	Michael Withams	Michael W. PGS @ hotlook.com
2	COMPANY NAME	CONTACT PHONE NUMBER
	Cornerstone Construction Service Inc.	909 985-6766
	ATTENDEE NAME	EMAIL ADDRESS
	Steve Parr	cornerstone.office@verizon.net
3	COMPANY NAME	CONTACT PHONE NUMBER
	MLC constructors	951-393-0781
	ATTENDEE NAME	EMAIL ADDRESS
	Riley McCoy	estimating@mlcconstructors.com

CSA 120 NEP BATHROOM ADDITION PROJECT  
 12/4/2025

4	COMPANY NAME	CONTACT PHONE NUMBER
	WALKE & SONS CONST.	951-274-9830
	ATTENDEE NAME	EMAIL ADDRESS
	Bobbi Bulin	David.Cadalkheandsons.com

5	COMPANY NAME	CONTACT PHONE NUMBER
	KNE CONSTRUCTION INC.	700 552-4449.
	ATTENDEE NAME	EMAIL ADDRESS
	Mike Phinney	Mike@KNCINC.net

6	COMPANY NAME	CONTACT PHONE NUMBER
	CORNERSTONE RENOVATION, INC.	(626) 705-5396
	ATTENDEE NAME	EMAIL ADDRESS
	SAM WILLIAM	SAM@CSRINC1.COM

7	COMPANY NAME	CONTACT PHONE NUMBER
	The Nazerian Group	818-990-5115
	ATTENDEE NAME	EMAIL ADDRESS
	Greg Tarosyan	Greg@Nazerian.net

CSA 120 NEP BATHROOM ADDITION PROJECT  
12/4/2025

8	COMPANY NAME	CONTACT PHONE NUMBER
	FARWEST CONTRACTORS.	714-636-8744
	ATTENDEE NAME	EMAIL ADDRESS
	Zaine Rangel	Estimating@farwestcontractors.com

9	COMPANY NAME	CONTACT PHONE NUMBER
	BK Khalil Construction	657-203-1340
	ATTENDEE NAME	EMAIL ADDRESS
	Benjamin Khalil	BenKConstruction@gmail.com

10	COMPANY NAME	CONTACT PHONE NUMBER
	Ryan Remers WakeCo Inc.	(951) 200-5758 ext 102
	ATTENDEE NAME	EMAIL ADDRESS
	Ryan Remers	ESTIMATING@WAKECO.INC.COM

11	COMPANY NAME	CONTACT PHONE NUMBER
	HMP Construction Inc	909-896-7980
	ATTENDEE NAME	EMAIL ADDRESS
	Sam Fakh	Sam@hmpconstruct.com

CSA 120 NEP BATHROOM ADDITION PROJECT  
 12/4/2025

12	COMPANY NAME	CONTACT PHONE NUMBER
	LM RASMUSSEN CONST	(858) 335-5606
	ATTENDEE NAME	EMAIL ADDRESS
	LARS RASMUSSEN	lars@lmrsandiego.com

13	COMPANY NAME	CONTACT PHONE NUMBER
	Diamond Const inc	951-453-6171
	ATTENDEE NAME	EMAIL ADDRESS
	John abboud	John@DCC-INC.COM

14	COMPANY NAME	CONTACT PHONE NUMBER
	SCHMIDT-TOMEY CONSTRUCTION	909-957-1602
	ATTENDEE NAME	EMAIL ADDRESS
	MICHAEL TOMMY	MICHAEL@SCHMIDT-TOMMY.COM

15	COMPANY NAME	CONTACT PHONE NUMBER
	RE Chaffee Construction INC	(760) -249 -8068
	ATTENDEE NAME	EMAIL ADDRESS
	Nate Sandoval	Estimating@REChaffee.com

CSA 120 NEP BATHROOM ADDITION PROJECT  
12/4/2025

16	COMPANY NAME	CONTACT PHONE NUMBER
	GRBCON, INC.	626 476 6839
	ATTENDEE NAME	EMAIL ADDRESS
	John Gavigan	kgavigan@grbcon.com

17	COMPANY NAME	CONTACT PHONE NUMBER
	Oppenheimer national	9492642640
	ATTENDEE NAME	EMAIL ADDRESS
	Tian Tegmoorian	bid@oppnet.com

18	COMPANY NAME	CONTACT PHONE NUMBER
	ATTENDEE NAME	EMAIL ADDRESS

19	COMPANY NAME	CONTACT PHONE NUMBER
	ATTENDEE NAME	EMAIL ADDRESS

Golden Gate Steel, Joo W. Kim. johnk.goldengate  
(714) 334-0002, jgoven@gmail.com

THREE PEAKS CORP - ERIC SIMMONS ERIC@THREEPEAKSCORP.COM  
(409) 522-2219

- All American Building Services, Andrew Angulo  
bids@allamericanrebuild.com (909) 761-4722
- Enriched Energy Solutions Inc  
Garrett Santos (760) 403-5017 Andrew@GOeesi.com

Caltec Corp - DUNNIE SOLANO 714 717 1638  
~~Henry~~ Henry@calteccorp.com

ROADWAY ENGINEERING - ERIK CISNEROS - 909) 717-1960  
eric@roadwayengineering.com

JERGENSON CONSTRUCTION INC TODD JERGENSON  
760-792-0955 TODD@JERGENSONS.COM

## BID PROPOSAL

**PROJECT: NORTH ETIWANDA PRESERVE – BATHROOM ADDITION PROJECT**

**LOCATION: 4890 ETIWANDA AVE, RANCHO CUCAMONGA, CA 91739**

**OWNER: COUNTY SERVICE AREA 120**

**BID OPENING DATE: January 7<sup>th</sup>, 2026 @ 10:00AM**

**MANDATORY PRE-BID MEETING DATE: December 4, 2025 @ 10:00AM**

**BID OPENING LOCATION: Department of Public Works – Special District**

**222 Hospitality Lane, Second Floor**

**San Bernardino, CA, 92415-0450**

### County Service Area 120 (“District”)

In compliance with the Bid Documents, the undersigned has carefully examined the drawings and other documents on file with the Clerk of the Board, for the **NORTH ETIWANDA PRESERVE – BATHROOM ADDITION PROJECT** at **4890 ETIWANDA AVE, RANCHO CUCAMONGA, CA 91739** and fully understands the scope and meaning of the bid documents and has attended the **Mandatory pre-bid meeting**. The undersigned has also examined the site of the proposed work and is familiar with the local conditions at the place where the work is to be done.

### **ITEMIZED BID SHEET**

In the blanks provided, fill in the unit prices at which you propose to accomplish the work including all labor, materials, tools, apparatus, facilities, transportation, equipment, methods and procedures necessary to fully complete the work. Prices are inclusive of all applicable taxes, fees, bonds, insurance and required compensation pursuant to the laws of the State of California.

When discrepancies occur between words and figures, the words shall govern. When discrepancies occur between itemized bid and total bid, the detailed item shall govern. In the case of a discrepancy between the written bid or numerical bid set forth on the bid proposal, and the numerical bid set forth in the ePro system, the information on the bid proposal shall prevail. Bidders are advised that they must include a proportional amount of overhead, profit, etc. within these bid amounts.

CONTRACTOR: \_\_\_\_\_

**ITEMIZED BID PROPOSAL**

<b>ITEMIZED BASE BID SCHEDULE (EXHIBIT G)</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL EXTENSION</b>
1	Mobilization, Demobilization, Bonds, and Insurance	1	L.S.		
2	Permitting (Including, but not limited to, all necessary permits required by the County and State)	1	L.S.		
3	Utility potholing and verification	1	E.A.		
4	Earthworks: <ol style="list-style-type: none"> <li>1. Excavation, trenching, and backfill</li> <li>2. Sand bedding/backfill in pipe zone</li> <li>3. Slurry backfill for any undercut sewer pipe (as required)</li> <li>4. Trench restoration and asphalt paving</li> <li>5. Implementation of Best Management Practices (BMPs) for Storm Water Pollution Prevention Plan (SWPPP)</li> </ol>	1	L.S.		
5	Furnish and install new water service line to existing water main (Including, but not limited to, parts & material as needed including, but not limited to, pipe, fittings and all appurtenances)	1	L.S.		
6	Installation of water district water meter boxes and pressure regulating valves for main water line connection	1	E.A.		
7	Hydrostatic testing & disinfection	1	L.S.		
8	Procurement and installation of new sewage tank and connections to other systems	1	L.S.		
9	Procurement and installation of prefabricated restroom building and associated scope including: <ol style="list-style-type: none"> <li>1. Prefabricated Restroom Building</li> <li>2. Concrete pad foundation</li> <li>3. Anchoring</li> <li>4. ADA ramp &amp; railings</li> <li>5. Detectable warning surface</li> </ol>	1	L.S.		
10	Site improvements including but not limited to <ol style="list-style-type: none"> <li>1. Grading</li> </ol>	1	L.S.		

	2. Concrete 3. Asphalt				
11	ADA parking stall striping	2	E.A.		
12	Accessible parking signage	2	E.A.		
13	Final cleanup and demobilization	1	L.S.		
	<b>TOTAL BASE BID (EXHIBIT G)</b>				<b>\$</b>

The undersigned hereby agrees to furnish all materials, labor, tools, equipment, apparatus, facilities, and transportation necessary to complete all work in strict conformity with the drawings and specifications, and to execute the contract to the satisfaction of the County, at the following cost(s):

**Total Base Bid of Items 1-13: \$ \_\_\_\_\_ (Dollars)**

The above-mentioned TOTAL BASE BID includes applicable California state sales tax, bonds, fees, insurance and all other costs required to perform all the work described in the project drawings and specifications.

<b>ITEMIZED BID SCHEDULE (ADDITIVE NO. 1 – FUEL MANAGEMENT AND VEGETATION TREATMENT (EXHIBIT H))</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL EXTENSION</b>
1	Provide cost to implement Fire Management Plan, including but not limited to the removal of combustible materials and vegetation management within defensible spaces zone 0-2 around all areas of construction activity. Work shall include clearing dead or drying vegetation, ladder fuels, and other flammable materials to reduce risk and maintain defensible spaces for the duration of construction. Contractor shall also be responsible for periodic maintenance as needed to ensure compliance with fire safety standards.	1	L.S.		
	<b>TOTAL ADDITIVE BID</b>				<b>\$</b>

**Total Additive Bid No. 1 – Item 1: \$ \_\_\_\_\_ (Dollars)**

The above-mentioned ADDITIVE BID No. 1 includes applicable California state sales tax, bonds, fees, insurance and all other costs required to perform all the work described in the project drawings and specifications.

<b>ITEMIZED BID SCHEDULE (ADDITIVE NO.2 – DRINKING FOUNTAIN SCOPE (EXHIBIT G))</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL EXTENSION</b>
1	Provide and install ADA-compliant, vandal-resistant, freezer-proof outdoor drinking fountain (stainless steel)	1	E.A.		
2	Trenching, backfill, and sand bedding for new fountain water supply line	1	L.S.		
3	2" SCH 40 drain line connection between drinking fountain and sump (AWWA steel or copper, NSF 61 compliant)	1	L.S.		
4	Connection to drinking fountain off the existing main water line including but not limited to tubing, fittings, valves, shutoff, etc.	1	L.S.		
5	Concrete pad/foundation for fountain pedestal	1	L.S.		
6	Hydrostatic test and disinfection of new line	1	L.S.		
	<b>TOTAL ADDITIVE BID</b>				<b>\$</b>

**Total Additive Bid No. 2 – Item 1-6: \$ \_\_\_\_\_ (Dollars)**

The above-mentioned ADDITIVE BID No. 2 includes applicable California state sales tax, bonds, fees, insurance and all other costs required to perform all the work described in the project drawings and specifications.

The quantities listed in the Itemized Bid Proposal are only an estimate for each of the items. The actual quantities encountered may be different and compensation will be based on the unit prices established above. In case of discrepancies between the “Unit Cost” and the “Total Extension”, the “Unit Cost” shall prevail.

The District requires bids to include prices for items that may be added to, or deducted from, the scope of work in the contract for which the bid is being submitted. Pursuant to Public Contract Code Section 20103.8(b), for the purpose of determining the lowest bid price, the District shall determine the low bid to be the lowest total of the bid prices on the Total Base Bid plus Additive Bid No. 1 and Additive Bid No. 2 (Total Base Bid + Additive No. 1 + Additive No. 2).

**Total Base Bid + Additive Bid No. 1 + Additive Bid No. 2:**

\$ \_\_\_\_\_ **(Dollars)**

If awarded, the contract shall be awarded to the lowest responsive, responsible bidder. This Section does not preclude the District from adding to or deducting any of the additive or deductive items after the lowest responsible bidder has been determined. **Failure to provide a cost for the additive or deductive bid items shall render the bid non-responsive.**

## **BID DEPOSIT**

There is enclosed herewith, a certified check or surety bond in the amount of ten percent (10%) of the TOTAL BASE BID + ADDITIVE BID NO. 1 + ADDITIVE BID NO. 2, or, more specifically, \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_), made payable to the District. The undersigned agrees that in the event of the failure by the undersigned to execute the necessary contract and furnish the required contract bonds and insurance, the certified check or surety bond and the money payable thereon shall be, and remain, the property of District. If the bid is accompanied by a certified or cashier's check, the check shall be deposited by District, and a District warrant for the full amount shall be issued to the undersigned within sixty (60) days from the time the Contract award is made by the District.

If the bid is submitted through the County Electronic Procurement Network (ePro) then scan the bid security (bid bond) and submit the scanned copy with your bid submittal in ePro, additionally, mail or submit the original bid security, in a separate sealed envelope labeled "Bid Bond" with the title of the work and the name of the bidder clearly marked on the outside, to: Department of Public Works – Special Districts, 222 Hospitality Lane, Second Floor, San Bernardino, California, 92415-0450. **Any mailed or submitted bid security must be received on or before the time set for the opening of the bids.**

## **TIME**

If the proposal is accepted, the undersigned agrees to execute the required agreement and furnish complete insurance certificates with all endorsements along with the returned signed agreements within ten (10) calendar days of the District providing the Contract to bidder. The undersigned agrees to supply the required bonds within ten (10) calendar days from the date of the execution of the Contract.

## **TIME OF COMPLETION**

The undersigned agrees to complete the Work in **180 CALENDAR DAYS** after the "Notice to Proceed" is issued by the District. Refer to Bid Package for additional information and completion schedule requirements.

## **LIQUIDATED DAMAGES**

Pursuant to the provisions of Government Code section 53069.85 and in the event that all the Work called for in this Contract is not completed within the number of calendar days set forth, Contractor shall forfeit and pay to the District the sum of **\$1,500 per calendar day** for each calendar day the work remains incomplete. The sum shall be deducted from any payments due or to become due to Contractor or if that sum is insufficient will be paid by Contractor to District (See General Conditions).

## **REJECTION OF BIDS**

The undersigned agrees that the District reserves the right to reject any or all bids, and reserves the right to waive informalities in a bid not affected by law, if to do so seems to best serve the public interest.

## **VALIDITY OF BIDS**

The undersigned agrees that this bid will remain valid for 60 days after the bid opening.

## **STATE LICENSES**

The undersigned hereby certifies that it is currently the holder of a valid California Class B contractor's license as a contractor in the State of California and that the license is the correct class of license for the work described in the project drawings and specifications.. The undersigned also certifies that all subcontractor(s) listed under the Designation of Subcontractors section of the Bid Proposal are currently the holder of a valid contractor's license(s) in the State of California and the license is the correct class of license for the work to be performed by the subcontractor(s).

## **INSURANCE**

The undersigned agrees to furnish certified copies of all insurance policies and endorsements; all certificates of comprehensive, general and auto liability insurance; Workers' Compensation insurance; and such other insurance that will protect undersigned and District from claims for damages and personal injury, including death, which may arise from operations under the contract, whether such operation be by the undersigned or by any subcontractor of the undersigned, or anyone directly or indirectly employed by the undersigned or any subcontractor of the undersigned in accordance with the General Conditions. The undersigned agrees to provide the Certificates of Insurance and Endorsements to District at the time Contractor executes the contract. All policies (excluding Workers' Compensation) shall name the District and as additional insureds. All coverage shall be subject to approval by the District for adequacy of protection.

## **BONDS AND CONTRACT**

The undersigned agrees to execute the required standard contract and to furnish the District with a satisfactory labor and material bond and faithful performance bond, each bond in an amount equal to 100% of the Contract Sum. The bonds shall be secured from a surety company, or surety companies, satisfactory to the District within ten (10) calendar days of the contract award and shall be on District approved bond forms.

## **DEPOSIT SECURITIES**

Contractor may upon written request, and at their expense and after approval by the District, deposit substitute securities as described in Public Contract Code section 22300, in lieu of retention monies withheld to insure performance.

## **FORMER COUNTY OFFICIALS**

Contractor agrees to provide or has already provided information on former San Bernardino County administrative officials (as defined below) who are employed by or represent Contractor. The information provided includes a list of former county administrative officials who terminated county employment within the last five years and who are now officers, principals, partners, associates or members of the business. The information also includes the employment with or representation of contractor. For purposes of this provision, "county administrative official" is defined as a member of the Board of Supervisors or such officer's staff, Chief Executive Officer or member of such officer's staff, county department or group head, assistant department or group head, or any employee in the Exempt Group, Management Unit or Safety Management Unit.

## **INACCURACIES OR MISREPRESENTATIONS**

If during the course of the administration of this agreement the District determines that the Contractor has made a material misstatement or misrepresentation or that materially inaccurate information has been provided to the District, this Contract may be immediately terminated. If this contract is terminated according to this provision, the District is entitled to pursue any available legal remedies.

## **VISITING THE SITE**

The undersigned has thoroughly examined the drawings, specifications and signed addenda (if any), has visited the site and is thoroughly familiar with the contents and all of the conditions thereof.

## **DESIGNATION OF SUBCONTRACTORS**

In compliance with the provisions of Section 4100-4108 of the Public Contract Code of the State of California, and any amendments thereof, the undersigned shall list on the designated form, the name, location of the place of business, the California contractor license number and the Department of Industrial Relations registration number of each proposed subcontractor who will perform work or labor or render services to the principal Contractor in an amount greater than one-half of one percent (.5%) of the total bid; and shall state the portions of the Work which will be done by each such subcontractor.

If the undersigned fails to specify a subcontractor for any work to be performed under the contract, the undersigned agrees to perform the work and shall not be permitted to subcontract that work except in cases of public emergency, and then only after written finding as public record by the Governing Board of the District.

The undersigned certifies that all subcontractor(s) listed are currently the holder of valid contractor's license(s) in the state of California and the license(s) is the correct class of license for the work to be performed by the subcontractor(s).

The undersigned certifies that it and all subcontractor(s) listed have registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. The undersigned agrees that no contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. The undersigned acknowledges that the project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

As required by Labor Code section 1771.1(a) "A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded."

Where a hearing is required for a decision on the substitution of subcontractors, pursuant to the provisions of Chapter 4, Part 1, Division 2, of the Public Contract Code, (commencing with Section 4100-4108) by the awarding authority, or a duly appointed hearing officer, the Director of Special Districts or his/her designee,

shall prepare and certify a statement of costs incurred by the District for investigation, and to conduct the hearing, including the costs of any hearing officer and shorthand reporter appointed. For the purposes of a hearing for the substitution of subcontractors (pursuant to the Public Contract Code commencing with Section 4100) the awarding authority shall be the Director of the Department of Public Works - Special Districts, or his/her designee.

The statement of costs shall be sent to the undersigned, who shall reimburse the District for all costs. If not paid separately, such reimbursement shall be deducted from monies due and owing to the undersigned prior to acceptance of the project.

**ADDENDA:**

If any addendums are issued during the bid solicitation period, bidder shall be responsible for ensuring that they have received all addenda issued for the Project. The submittal of a bid shall be deemed to be based on the Bid Documents, as modified and/or clarified by any and all addenda.

## SECTION 131200

### PRECAST CONCRETE RESTROOM BUILDINGS

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. This section covers the construction and placing of modular precast concrete buildings. The requirements for design, engineering, fabrication, onsite delivery, and installation on a prepared site.
- B. Contractor to furnish a precast concrete transportable building. Building to be delivered and placed on owner's prepared foundation in accordance with manufacturer's requirements. Building to be provided by manufacturer with all necessary openings as specified by contractor in conformance with manufacturer's structural requirements.

##### 1.02 RELATED REQUIREMENTS

- A. ASTM C33 Concrete Aggregates
- B. ASTM C39 Method of Test for Compressive Strength of Cylindrical Concrete Specimens
- C. ASTM C94 Standard Specification for Ready-Mixed Concrete
- D. ASTM C143 Method of Test for Slump of Concrete
- E. ASTM C150 Standard Specification for Portland Cement
- F. ASTM C185 Standard Specification for Steel Welded Wire Reinforcement, Plain, or Concrete
- G. ASTM C192 Method of Making and Curing Test Specimens in the Laboratory
- H. ASTM C231 Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
- I. ASTM C309 Standard Specifications for Liquid Membrane-Forming Compounds for Curing Concrete
- J. ASTM C494 Standard Specification for Chemical Admixtures for Concrete
- K. ASTM A615 Standard Specification for Deformed and Plain Carbon-Steel Bar for Concrete Reinforcement
- L. ASTM C618 Standard Specification for Coal Fly Ash and Raw or Calcine Natural Pozzolan for Use in Concrete
- M. ASTM C979 Standard Specification for Pigments for Integrally Colored Concrete
- N. ASTM D1557 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort
- O. ACI 211.1 Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete
- P. ACI 306 Cold Weather Concreting
- Q. ACI 318 Building Code Requirements Structural Concrete and Commentary (includes Errata)
- R. PCI MNL 116 Control for Plants and Production of Precast Prestressed Concrete Products
- S. ANSI/ASCE-7-10 "Building Code Requirements for Minimum Design Loads in Buildings and Other Structures"
- T. Concrete Reinforcing Institute, "Manual of Standard Practice"

##### 1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.
- B. Deferred Submittals: Provide required deferred submittals for County permit purposes.
  - 1. Shop Drawings to specify types and materials of all structural wall embeds.

2. Engineering calculations and erection drawings that are designed and stamped by a professional engineer registered in the State of California or in the state where the project is located.
3. PCI-Certified Plant Certificate
4. NPCA-Certified Plant Certificate
5. ISO 9001 Certificate
6. 5000 PSI Concrete Mix design with qualifications and product datasheets.
7. Product data for all plumbing fixtures, electrical fixtures, restroom/shower accessories, doors and door locks.
8. ADA design indicating access layouts, signage and all fixture mounting dimensions to meet all current California Building Code requirements.
9. Concrete color chart for engineering color selection.
10. Construction materials and methods are required to be in compliance with Chapter 7A of the California Building Code, Section R337 of the California Residential Code, and Fire District Standard 49-1.
11. All optional items chosen by engineer clearly noted on building submittal sheet including welding certificates if applicable.

#### **1.04 QUALITY ASSURANCE**

- A. Manufacturer must be ISO 9001 certified at the time of bid.
- B. Manufacturing plant must be PCI certified at the time of bid.
- C. Manufacturer shall provide a one (1) year warranty on all concrete components. The warranty is valid only when concrete is used within the specified loadings.
- D. Fabricator must be a certified producer/member of The National Precast Concrete Association (NPCA) at time of bid.
- E. Fabricator must be ISO 9001 certified at time of bid.
- F. Building fabricator must have a minimum of 5 years' experience manufacturing and setting transportable precast concrete buildings.
- G. Fabricator must be a certified producer/member of The Precast/Prestressed Concrete Institute (PCI) at time of bid.
- H. Materials testing laboratory to be an AASHTO Accredited Laboratory.

#### **1.05 DESIGN REQUIREMENTS**

- A. The building(s) has been designed to individually meet the following criteria. The design criteria are to ensure that the building(s) not only will withstand the forces of nature listed below, but to provide protection from vandalism and other unforeseen hazards. Building's structural and foundation design will be relevant to the region and properties associated with its final placement. Design will also meet all applicable accessibility and building code requirements. Buildings will also meet various structural loads such as below, but not limited to/or restricted by them.
- B. Live Roof Load
  1. The building(s) is designed to withstand 50 PSF live load.
- C. Floor Load
  1. The building(s) is designed to withstand 250 PSF floor load.
- D. Wind Load
  1. The building(s) will withstand the effects of 115 MPH 3-second gust, Exposure C.
- E. Earthquake
  1. The building(s) will withstand the seismic load performance.
- F. Additional Design Standards

1. The prefabricated building is designed to meet the accessibility requirements put forth by federal, state, and local statutes.
  2. The prefabricated building is an all concrete design with minimum 3/12 roof pitch.
  3. The prefabricated building shall have a minimum 4" wall, 5" roof, and 6" floor thickness.
  4. All wall to floor interior surface seams shall have a minimum 1" radius coving made of high strength grout.
- G. Plumbing shall be designed in accordance with California Plumbing Code 2022 edition or latest applicable code as amended by applicable local ordinances for all construction work.
- H. Electrical system shall be designed in accordance with California Electrical Code 2022 edition or latest applicable code as amended by applicable local ordinances for all construction work.
- I. Accessibility-Prefabricated flush toilet/shower buildings shall conform to the requirements of the "Uniform Federal Accessibility Standards" (UFAS) and the "Americans with Disabilities Act Accessibility Guidelines" (ADAAG).

## **1.06 WARRANTY**

- A. See Section 01 7800 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide 1 year manufacturer warranty. Complete forms in Owner's name and register with manufacturer.
- C. Installer Warranty: Provide 1 year warranty commencing on the Date of Notice of Completion. Complete forms in Owner's name and register with installer.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. StructureCast - [www.structurecast.com](http://www.structurecast.com), 661-833-4490
- B. Substitutions: See Section 01 6000 - Product Requirements

### **2.02 MATERIALS**

- A. Concrete
1. The concrete mix design is designed to ACI 211.1 to produce concrete of good workability.
  2. Steel-reinforced, 5000 psi minimum 28-day compressive strength. Cement is a low alkali type II/V conforming to ASTM C-150.
  3. Coarse aggregates used in the concrete mix design will conform to ASTM C33 with the designated maximum size of coarse aggregate 3/8".
  4. Maximum water/cement ratio will not exceed .45.
  5. Air-entraining admixtures will conform to ASTM C260. Water reducing admixtures will conform to ASTM C494, Type A or Type F.
  6. If Self Consolidating Concrete (SCC) is used, it must conform to ACI 237.
- B. Colored Concrete
1. Color additives will conform to ASTM C979.
  2. The same brand and type of color additive are used throughout the manufacturing process.
  3. All ingredients are weighed and the mixing operations are adequate to produce uniform dispersion of color.
- C. Concrete Reinforcement
1. All reinforcing steel will conform to ASTM A615 Grade 60. All welded wire fabric will conform to ASTM A185.
  2. All reinforcement is new, free of dirt, oil, paint, grease, loose mill scale and loose or thick rust when placed.

3. Steel reinforcement is centered in the cross-sectional area of the walls and will have at least 1-1/4" of cover on the under surface of the floor.
  4. The maximum allowable variation for center-center spacing of reinforcing steel is 1/2".
  5. Full lengths of reinforcing steel are used when possible. When splices are necessary on long runs, splices are alternated from opposite sides of the components for adjacent steel bars.
    - a. All lap bars minimum 45 times bar diameter.
  6. Reinforcing bars are bent cold. No bars partially embedded in concrete are field bent unless approved by the customer.
- D. Caulking, Grout, Adhesive and Sealer
1. Caulking service temperatures from -40 degrees F +194 degrees F.
  2. Interior and exterior joints are caulked with a paintable polyurethane sealant.
  3. Grout is a non-shrink type and are painted to match the color of surrounding concrete as nearly as possible.
  4. Cement base coating is formulated with a very fine aggregate system and is a built-in bonding agent.
- E. Paint
1. All paints and materials will conform to all federal specifications.
- F. Grab Bars
1. Grab bars will be 18-gauge, type 304 stainless steel with 1-1/2" clearance. Grab bars will each be able to withstand 300-pound top loading and meet all minimum ADA standards.
- G. Toilet Paper Dispenser
1. Dispenser will be constructed of 18 gauge, type 304 stainless-steel. Dispenser will be capable of holding three (3) standard rolls of toilet paper.
- H. Steel Doors
1. Doors will be flush panel type 1-3/4" thick, minimum 18-gauge galvanized steel.
  2. Door frames will be welded type, single rabbet, minimum 16-gauge prime coated steel, width to suit wall thickness. Three (3) rubber door silencers will be provided on latch side of frame.
- I. Door Hinges
1. Door hinges will be three (3) per door with stainless steel 4-1/2" X 4-1/2" with non-removable pins, adjustable tension, and automatic closing for each door.
- J. Lockset
1. Lever handle inside and outside.
  2. Lockset will meet ANSI A156.2.
  3. U.S. 26D finish.
- K. Deadbolt
1. Certified ANSI/BHMA A156.5-2001 Grade 1.
  2. Heavy duty, high traffic, tamper resistant.
  3. 2-3/4" basket.
  4. U.S. 26D finish.
- L. Doorstop
1. Doorstop will be a dome or wall mount stop meeting ANSI 156.16.
- M. Double Coat Hook
1. Coat hook will be 304 stainless steel 16-gauge (1.5mm), formed construction with a satin finish and have 3/16" X 7/8" nail in anchor.
- N. Door Sweep
1. Door sweep will be provided at the bottom of door and will be an adjustable nylon brush type with drip edge.
- O. Skylight

1. Skylight shall be a fixed curb-mounted skylight located in each area of the restroom with a minimum size of 14 in. x 14 in. Frame material aluminum or vinyl with UV-stabilized, weather-resistant finish. Glazing double glazed, tempered glass or polycarbonate. Low-E coating for UV and thermal control and impact-rated for high-wind zone. Provide a watertight seal and compatible with the roofing materials.
- P. Wall Vent
1. Wall vent to be attached to concrete wall with high strength anti-rust tap con fasteners. Vent to come with insect screen. Cover to be recessed a minimum  $\frac{3}{4}$ " on exterior walls with a 45-degree bevel. Interior to be flush mounted. Wall vent will not protrude from the wall.
- Q. Signs
1. Signs to be Non-Gender Specific and have raised pictograms, letters, and braille to meet current ADA standards.
- R. Mirror
1. Mirror to be frameless 20-gauge minimum stainless-steel with #8 finish.
- S. Plumbing
1. All fixtures to meet ANSI A112.19.2.
  2. Flush valve - Hydraulic flushometer constructed of rough brass with water saver flow of 1.28 gallons per flush for toilets.
  3. Hammer arrester - Size and quantity as needed installed on water line.
  4. Provide a main shut-off valve, hose bib and drain in the building chase.
  5. Lavatory – type 304 stainless-steel. Install per manufacturer's instructions.
  6. Toilet – type 304 stainless-steel blowout jet toilet, wall hung. Install per manufacturer's instructions.
  7. Faucet – metering faucet with ADA compliant lever style handle.
  8. Floor drains - Provide floor drains as required by prefab building manufacturer.
  9. Waste and vent piping - ABS and PVC plastic.
  10. Water piping- Copper tubing Type L, hard drawn. A gate valve will be provided at the inlet end of the water line. All water lines will be of a size to provide proper flushing action based on a nominal water pressure of 40 psi.
- T. Electrical
1. The site does not have electricity available.
  2. Solar kit required, including battery backup, to operate a shutoff valve, two (2) LED ceiling mount light fixture in each area of the restroom and warning light if water supply is dry.

## **PART 3 EXECUTION**

### **3.01 MANUFACTURING**

- A. Finishing Concrete
1. All exterior building walls and exterior screen walls will be any one of the available textures. Colors to be selected by owner.
  2. All exterior surfaces of the roof panels will be cast to simulate any one of the available textures. The underside of the overhang will have a smooth finish. Colors to be selected by owner.
- B. Cracks and Patching
1. Cracks in concrete components which are judged to affect the structural integrity of the building will be rejected.
  2. Small holes, depressions, and air voids will be patched with suitable material. The patch will match the finish and texture of the surrounding surface.

3. Patching will not be allowed on defective areas if the structural integrity of the building is affected.
  4. Major repairs as define by manufacturer's quality manager to be approved by precast engineer.
- C. Exterior Corners
1. All exterior wall corners shall have textured finish wrap around edge of exposed corners.

### **3.02 FINISHING AND FABRICATION**

- A. Structural Joints
1. Wall components will be joined together with two (2) welded plate pairs minimum at each joint. Each weld plate will be 6" long and located one (1) pair in the top quarter and one (1) pair in the bottom quarter of the seam. Weld plates will be anchored into the concrete panel and welded together with a continuous weld.
  2. The inside seams will be a paintable caulk. The outside seams will use a caulk in a coordinating building color or clear.
  3. Walls and roof will be joined with weld plates, 3" x 6" at each building corner.
  4. The joint between the floor slab and walls will be joined with a grout mixture on the inside, a matching colored caulk on the outside and two (2) weld plates 6" long per wall minimum.
- B. Painting/Staining
1. An appropriate curing time be allowed before paint is applied to concrete.
  2. Schedule of finishes.
    - a. Inside restroom concrete surfaces.
      - i. Inside floors will be two (2) part epoxy coating or approved equal.
      - ii. Interior walls will be two (2) coats of modified acrylic, water repellent penetrating stain, followed by one (1) coat of clear sealer.
    - b. Metal surfaces both inside and out.
      - i. Two (2) coats of DTM ALKYD or DTM acrylic.
    - c. Exterior concrete surfaces.
      - i. Exterior walls will be two (2) coats of water repellent penetrating stain in the same color as the walls or roof followed by one (1) coat of water-based silicone anti-graffiti sealer or approved equal.

### **3.03 TESTING**

- A. The following tests will be performed on concrete used in the manufacture of toilets. Testing will only be performed by qualified individuals who have been certified ACI Technician Grade 1. Sampling will be in accordance with ASTM C172.
- B. The air content of the concrete will be checked per ASTM C231 on the first batch of concrete. The air content will be in the range of 1.5% +/- 11.5% unless geographic conditions dictate more severe exposure class.
- C. The compressive strength of the cylinders will be tested to ASTM C39. Make two (2) cylinders for release, two (2) for seven (7) days, and three (3) for 28 days. The release must be a minimum strength of 3000 psi, the 7-day must be a minimum of 4500 psi and the 28-day must be a minimum of 5000 psi.
- D. A copy of all test reports will be available to the County as soon as 28-day test results are available.
- E. Testing to be performed by a nationally recognized accredited laboratory.
- F. Aggregate testing to be performed at frequencies consistent with PCI MNL-116.

### **3.04 INSTALLATION**

- A. Install prefabricated concrete buildings per approved manufacturer instructions.
- B. Delivery and Handling
  - 1. Contractor shall coordinate with the building manufacturer for the delivery and placement of the precast concrete building.
    - a. Provide exact location by stakes or other approved method as required by pre-fab building manufacturer.
    - b. Provide clear and level site free of overhead and/or underground obstructions.
    - c. Provide access to the site for truck delivery and sufficient area for the crane to install.
    - d. Water, electrical and sewage site connections to be placed per manufacturer provided drawings. Must be placed to easily connect to the building.
- C. Compacting - Per building manufacturer's requirements.
- D. Base - Per building manufacturer's requirements.

**END OF SECTION**





**SUBSTITUTION REQUEST FORM**

DATE: \_\_\_\_\_

TO: SAN BERNARDINO COUNTY – DEPARTMENT OF PUBLIC WORKS – SPECIAL DISTRICTS  
Nicholas Torres, Project Manager

ATTENTION: \_\_\_\_\_

PROJECT: CSA 120 North Etiwanda Preserve - Bathroom Addition Project  
 \_\_\_\_\_

We hereby submit for your consideration the following product as a substitute for the specified product for the above project:

Section No.	Paragraph	Specified Product
_____	_____	_____
Proposed Substitution:		_____
_____		_____

**Product Data:**

Attach complete technical data for proposed substitution.

Include complete information on changes to Contract Documents which proposed substitution will require for its proper installation.

**Samples:**

Attached  Will be furnished upon request

Does the substitution affect dimensions shown on drawings?

No  Yes (explain on attachment)

**Adjustment to the Contract Sum or Schedule**

Sum \_\_\_\_\_

Schedule \_\_\_\_\_

Estimated Cost of engineering, design, or agency fees:

Sum \_\_\_\_\_

Effects of proposed substitution on other trades:

\_\_\_\_\_

Differences between proposed substitution and specified product:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Other projects where the proposed substitution was successful.

\_\_\_\_\_  
\_\_\_\_\_

Manufacturer's warranties of the proposed and specified products are:

Same  Different (explain on attachment)

Maintenance services and spare parts are available for proposed product from:

\_\_\_\_\_  
\_\_\_\_\_

Previous installations where proposed product may be seen:

Project: \_\_\_\_\_ Project: \_\_\_\_\_

Owner: \_\_\_\_\_ Owner: \_\_\_\_\_

Architect: \_\_\_\_\_ Architect: \_\_\_\_\_

Date Installed: \_\_\_\_\_ Date Installed: \_\_\_\_\_

Cost savings to be realized by Owner, if proposed substitution is accepted:

\_\_\_\_\_

Change to Contract Time, if proposed substitution is accepted:

No Change  Add \_\_\_\_\_ days  Deduct \_\_\_\_\_ days

By submitting this substitution request, Contractor represents that he has read and agrees to the provisions of Section 016000.

Submitted by Contractor:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Firm

For Use By Owner:

Based on the information supplied by the Contractor, the Owner has reviewed the proposed substitution on the basis of design concept of the Work and conformance with information given in Contract Documents.

Accepted  Accepted as Noted  Rejected

Submit Additional Information: \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

