



ADDENDUM NO. 1

TO

PLANS AND SPECIFICATIONS

FOR THE

SUNSET BOOSTER PUMP STATION REPLACEMENT

IN

ANTIOCH, CALIFORNIA

P.W. 355-BP

ISSUED
July 28, 2015

This Addendum No. 1 must be signed by the bidder and attached to the CONTRACT PROPOSAL PACKAGE for consideration by the City. The City reserves the right to disregard any proposal, which does not include this Addendum. The City may waive this requirement at its sole discretion.

SEE ATTACHED ADDENDUM ITEMS

Prepared By: _____

Eric Biland, P.E.



BIDDER'S CERTIFICATION

I acknowledge receipt of this Addendum No. 1 and accept all conditions contained herein.

Bidder

By:

- 1) The first sentence of the second paragraph of Section C-15, "Water Mains" is amended to state the following:

"Water mains installed as part of the temporary booster system shall be class 150 conforming to American National Standard Institute (ANSI)/AWWA C900 specifications for polyvinyl chloride (PVC)."
- 2) Section C-15, "Water Mains" is amended to include the following:

"New permanent water mains, with the exception of the piping within the new booster pump system, shall be Class 150 ductile iron pipe conforming to ANSI/AWWA C151/A21.51 and ANSI/AWWA C150. Ductile iron pipe shall be coated with an asphaltic coating approximately one-millimeter (1 mm) thick and be cement mortar lined per ANSI/AWWA C104/A21.4. Restrained joints are required for all exposed and buried ductile iron piping. Exposed pipe shall have flanged connections and buried pipe shall have flanged or mechanical restrained connections."
- 3) Section C-16, "Temporary Booster System" is amended to include the following:

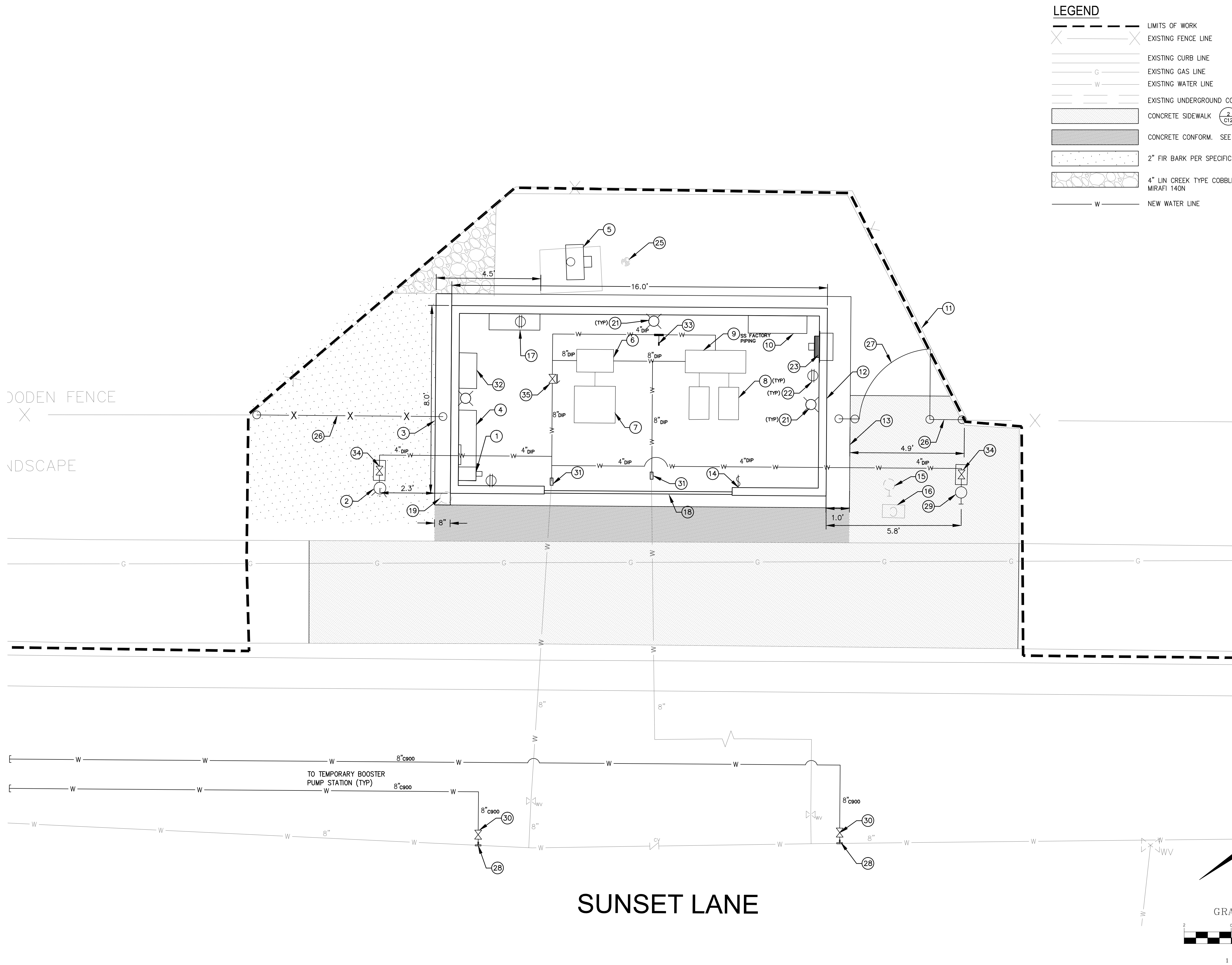
"Primary power for the temporary booster station must be provided by the Contractor. Once the temporary booster station is commissioned and operational, power from the existing booster pump station's PG&E service drop may be used to supply primary power to the temporary booster station. This power will be at no cost to the Contractor for temporary booster station operation only."
- 4) The second sentence of the second paragraph of Section C-16, "Temporary Booster System" is amended to state the following:

"The temporary booster system shall be continuously monitored by the Contractor, utilizing auto dialers and alarms that notify qualified emergency contact personnel at all times, who shall be solely responsible for maintaining all performance aspects of the system including provisions for backup emergency power."
- 5) Section C-17, "Pre-Fabricated Building", Item #1 is amended to state the following:

8' WOD x 16' LOD x 11' HOD Concrete Floorless Shelter
7'4" WID x 15'4" LID x 10'2" HID
Manufactured in an N.P.C.A. Certified Factory
Estimated Weight: 34,000 lbs.
Exterior Finish – Simulated Architectural Split Face Block (Custom Color) Four (4)
Cast-in Lifting Shackles
Internal (Non-Exposed) Structural Seals
1/4" per Foot Roof Slope with Rubber Membrane Secondary Roof Seal and 2" Overhang on All Four Sides
Floorless Design
60 PSF Uniformly Distributed Roof Load 125 MPH Wind Load
Seismic Rated – Category D"
- 6) Section C-18, "Booster Pump Systems", Part 2, "Products", Item D2, "Discharge Z-piping" is deleted from the Special Provisions.
- 7) Flow meter shall be installed in accordance with Section C-18, "Booster Pump Systems", Part 2, "Products", Item H5, and "Flow Meter" for the Special Provisions.

- 8) The existing 8-inch water main is between 48-inches and 60-inches below existing grade.
- 9) Builders Risk insurance in the form of Course Construction coverage is required.
- 10) Equipment within the existing vault includes pumps, control panels, valves, wiring and piping.
- 11) Chain link fencing and gates shall have black vinyl-clad fabric per City of Antioch Construction Detail CD-53.
- 12) Separate temporary booster pumps for the domestic and fire systems are not required. Domestic pump demand requires soft start pump capability and 100 gpm at 60' TDH. Fire pump demand requires a pump capability of 1,000 gpm at 110' TDH.
- 13) Plumbing inside the pre-cast building shown on sheet C08 is buried piping up to the T between the pump suction manifolds. All plumbing up to the 8-inch isolation valve immediately downstream of the surge anticipator valve is above grade. All plumbing beyond the 8-inch isolation valve immediately downstream of the surge anticipator valve is below grade.
- 14) The intent of required traffic control is to allow for safe working conditions within the coned area and safe passage of local traffic outside the coned area. Contractor shall submit a traffic control plan for approval by the City showing how local traffic will be controlled. The most likely traffic control plan would be to have flaggers on each side of the coned section and allow for alternating one way traffic during construction activities. The Contractor would move the cones to within 8 feet of the curb to allow for two way traffic during non-construction hours.
- 15) The attached revised Sheet 7A shall be use in lieu of Sheet 7 of the Project Plans.

Plotted By:Blond, Eric Sheet Sst:kha Layout:07 PUMP STATION LAYOUT July 24, 2015 11:20:03am K:\SJC_LDEV\Antioch - Pump Station\AutoCAD\Plan Sheets\C07A - PUMP STATION LAYOUT.dwg
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LEGEND

- LIMITS OF WORK
- X --- X EXISTING FENCE LINE
- EXISTING CURB LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE
- EXISTING UNDERGROUND CONCRETE VAULT
- CONCRETE SIDEWALK (2 C12)
- CONCRETE CONFORM. SEE NOTE 1.
- 2" FIR BARK PER SPECIFICATIONS
- 4" LIN CREEK TYPE COBBLES OVER MIRAFI 140N
- W NEW WATER LINE

NOTES

- CONFORM FROM BACK OF WALK TO TOP OF SLAB. POSITIVE DRAINAGE TO EXISTING DRAINAGE. OUTFALL.
- FINISHED FLOOR TO HAVE POSITIVE DRAINAGE TO FLOOR DRAIN INSIDE PREFABRICATED ENCLOSURE.
- MATCH TOP OF CURB TO (E) BOW ELEVATION.
- VALVED LINE SIZE TAPPING TEE FOR CONNECTION TO TEMPORARY BOOSTER PUMP STATION DURING CONSTRUCTION TO BE CAPPED WITH BLIND FLANGE AFTER COMPLETION.
- ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
- INSTALL 2" FIR BARK PER SPECIFICATIONS.
- SEE MECHANICAL PLUMBING SCHEMATICS ON SHEET C08 FOR DETAILED INTERIOR PUMP STATION PIPING AND APPURTENANCES.

STATION COMPONENTS

- AUTOMATIC TRANSFER SWITCH AND SUBPANEL LOAD CENTER AND GENERATOR RECEPTABLE
- RELOCATED SIAMESE HYDRANT
- TALL CURB ON SLAB (3 C10)
- MAIN MOTOR CONTROL CENTER
- (E) METER PEDESTAL. ROTATE METER 90° ON RISER.
- FIRE PUMP MANIFOLD
- FIRE BOOSTER PUMP (1 C11)
- DOMESTIC BOOSTER PUMP (4 C11)
- DOMESTIC PUMP MANIFOLD
- DOMESTIC BOOSTER PUMP ELECTRICAL PANEL
- (E) FENCE
- PREFABRICATED ENCLOSURE (1 C10)
- EDGE OF SLAB ON GRADE
- LIGHT SWITCH
- (E) WHARF HYDRANT
- (E) COMMUNICATIONS JUNCTION BOX
- SUPPLEMENTARY CONTROLS AND SCADA EQUIPMENT
- SECURITY ROLL-UP DOOR
- (E) SIAMESE HYDRANT
- NOT USED
- LIGHT FIXTURE
- GFCI RECEPTACLE
- VENTILATION FAN
- NOT USED
- GROUND WIRE
- 6' CHAIN LINK FENCE (3 C12)
- 3' WIDE CHAIN LINK GATE (3 C12)
- BYPASS PUMP STATION TAPPING SLEEVE PER SPECIFICATIONS. SEE NOTE 4.
- RELOCATED WHARF HYDRANT
- 8" GATE VALVE
- RESTRAINED FLANGE COUPLING ADAPTOR PER SPECIFICATIONS
- FIRE PUMP CONTROL PANEL
- HOSE BIBB PER SPECIFICATIONS
- 4" GATE VALVE
- SURGE ANTICIPATOR VALVE

No.	REVISIONS	DATE	BY
3	100% SUBMITTAL	01/21/15	
2	95% SUBMITTAL	09/24/14	
1	SUBMITTAL	08/14/14	

Kimley»Horn

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DESIGNED BY	DRAWN BY	CHECKED BY
JS	BH	EB
PLANS PREPARED UNDER SUPERVISION OF:		
ERIC BILAND REGISTERED CIVIL ENGINEER		
12/31/2015 DATE	75125 RCE NO.	

**SUNSET BOOSTER PUMP
STATION REPLACE**
PW 355-BP
PREPARED FOR
CITY OF ANTIOCH

**PUMP STATION
LAYOUT PLAN**

DRAWING NO
C07
SHEET
7 of 13
JOB No.
097318006



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