



## *The City of Burlingame*

CITY HALL - 501 PRIMROSE ROAD  
BURLINGAME, CALIFORNIA 94010-3997

### **1740 ROLLINS ROAD AND 842 COWAN ROAD** **PUMP STATION UPGRADES** **CITY PROJECT NOS. 84820 & 83390**

#### **ADDENDUM NO. 2**

July 1, 2019

#### **NOTICE TO ALL PLAN HOLDERS/BIDDERS**

This addendum and its attachments shall become a part of the plans and specifications and shall apply to the bid proposals for the above-named project. The bidder(s) shall notify all affected subcontractors, material suppliers, and others to incorporate necessary cost updates, to the bid proposal and the work changes affected by this Addendum.

In the event of conflict between plans and specifications and this addendum, the addendum shall take precedence. Any modifications necessary to incorporate the revisions shall be included in the appropriate bid prices. The bid documents are hereby corrected, modified, and/or amended in the following manner:

**Notice is hereby given that the following revisions are made a part of the above Contract Documents:**

#### **CONCERNING THE CONTRACT DRAWINGS:**

1. Drawing E3.0 – General Conduit Schedule

Multi-conductor #14 wire conductors called out in the conduit and wire schedule shall be either Okonite-FMR Okolon TS-CPE UI Type XHHW-2 multi-conductor cable or approved equal, or individual #14 XHHW conforming with the wire specifications in Specification Section 26 05 18.

#### **CONCERNING THE TECHNICAL SPECIFICATIONS:**

1. Page 26 05 03-1, Section 26 05 03 - Utility Coordination, Part 1.4 System Description

Subsection A.1.b is deleted in its entirety and replaced with the following:

- b. All permits and/or fees required by the electric utility which may be incurred directly due

to contractor caused delays or re-inspections. The Owner has already paid the electric utility for design services related to the new electric service entrance.

2. Page 26 05 18-4, Section 26 05 18 - 600-Volt or Less Wires and Cables, Part 2.1, Manufacturers

Subsection A. 2 - 600 Volt VFD cable is deleted in its entirety. VFD cable is not required for this project.

3. Page 43 24 13.33-2, Section 43 24 13.33 - Vertically Suspended Axial Flow Centrifugal Pumps, Part 1.03 Submittals, Paragraph A

Paragraphs 5 and 6 are deleted in their entirety and replaced with the following:

5. A structural natural frequency analysis of the head-driver system using finite element analysis methods shall be performed and submitted as a report. The analysis shall show that no natural frequencies in the head-driver system occur between 120% and 80% of rated speed.

6. Provide seismic calculations for pump anchorage stamped by a Professional Engineer registered in the State of California.

4. Page 43 24 13.33-4, Section 43 24 13.33 - Vertically Suspended Axial Flow Centrifugal Pumps, Section 2.01 Manufacturers

Paragraph A is deleted in its entirety with the following Paragraphs A and B.

A. Pumps shall be manufactured by one of the following manufacturers:

1. Cascade Pump Company or Owner approved equal meeting the requirements of Paragraph B in addition to the technical specification requirements.

B. For approval of alternate manufacturer's pumps, the alternate pump manufacturer shall submit the following information for review by the Engineer:

1. ISO 9001 Quality System Certificate
2. Location & description of manufacturing facility.
3. Location of testing facility
4. Predicted performance curve, as described in the submittals subsection, showing all of the conditions of service listed in the Pump Schedule which can be found at the end of this specification.

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5. A list of ten separate pump supply projects that the manufacturer has completed in the last ten years that meet the following criteria:
  - a. Design flow at full speed is 30,000 GPM or greater.
  - b. Minimum Qty 5 of the 10 projects shall be in the United States
  - c. Minimum Qty 5 of the 10 projects must feature the same make/model pump.

5. Page 43 24 13.33-9, Section 43 24 13.33 - Vertically Suspended Axial Flow Centrifugal Pumps, Section 2.11, Supports

The following sentences are added to Paragraph D:

The design intent is to re-use the existing base plate anchor bolts at the 1740 Rollins Road Stormwater Pump Station. New pump base plate anchor bolts are to be furnished and installed at the 842 Cowan Stormwater Pump Station. Seismic calculations are to be performed for the base plate anchors per Part 1.03 Paragraph A. 6. (Addendum No. 2).

6. Page 43 24 13.33-13, Section 43 24 13.33 - Vertically Suspended Axial Flow Centrifugal Pumps, Section 3.05, Pump Schedule

The rows in the Pump Schedule table for Rated Design Point and Secondary Design Point are deleted in their entirety and replaced with the below requirements, including a tertiary design point.

Site:	842 Cowan Road	842 Cowan Road	1740 Rollins Rd	1740 Rollins Rd
<b>Rated Design Point:</b>				
Flow, GPM	9,500	23,500	16,000	30,000
Head, Feet	14	13.2	16.1	15.7
Min Eff, Percent	77	80	75	80
<b>Secondary Design Point</b>				
Flow, GPM	9,000	22,500	14,350	28,000
Head, Feet	16.4	16.4	21	18.4
Min Eff, Percent	80	80	78	79
<b>Tertiary Design Point</b>				
Flow, GPM	10,000	24,500	16,750	33,000

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Head, Feet	11.7	9.8	13.8	11.4
Min Eff, Percent	74	72	70	77

**This Addendum consists a total of 4 pages.**

**All bidders shall acknowledge receipt and acceptance of Addendum No. 2 by signing in the space provided at the end of this Addendum and submitting the signed Addendum with their proposal. Failure to do so may constitute grounds for rejection of the bid.**

Very truly yours,

Mahesh Yedluri, P.E.  
Senior Civil Engineer

\_\_\_\_\_  
CONTRACTOR SIGNATURE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
COMPANY NAME