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Addendum No. 1
SUTRO #2 PUMP STATION REBUILD
PWP Bid No. WA-2015-056
January 9th 2015

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. The bid date and time and construction schedule remain the same.

Summary of Addendum Items:

Questions/Clarifications:
- Six questions were received and are answered below.
- One clarification is provided below.

Agreement Revisions:
- Weather days have been added to the Contract.

Drawing Revisions:
- Changes have been made to one plan sheet:
  - C4-Made updates to material list per questions received..

Specification Changes:
- A correction is made to Technical Specification Section 11210.

Addendum Item Details:

Questions/Clarifications:

Question No. 1: Is this project at all funded with money from the DWSRF (Drinking Water State Revolving Fund)? Just want to make sure there are no American Iron and Steel requirements for this project.

Response to Question No. 1: No is it not.

Question No. 2: #14 on C4 calls for 2 - 2.5" RFCA's per "M11". I have not been able to find a company that makes an RFCA smaller than 3". Please advise on how to make those connections. What is "M11" in reference to?

Response to Question No. 2: The M11 is referring the "Steel Pipe-A Guide for Design and Installation", AWWA M11. Yes, there are no off the shelf restrained FCA's for 2.5" diameter pipe, so the Contractor (pipe fabricator typically does this) shall be required to design and provide welded on harness lugs (a.k.a dog ears) and tie rods designed to meet the design pressure specified.

Question No. 3: The spec for the 2.5" mag meter does not specify whether the reader is a meter mount or remote. Please advise.

Response to Question No. 3: Refer to equipment schedule item 17 on sheet E1. The 2.5" mag-meter shall have a sensor (meter) mount transmitter.

Question No. 4: Detail C/C5 shows what appears to be a 6" PRV. This is not included in the material list. Is one of the 2 - 6" shown on DM1 to be re-used in the line shown in detail C/C5? Please advise.

Response to Question No.4: Sheet C4 will be revised as part of this Addendum to add the 6-inch PRV to the material list. The new station (including by-pass) needs to be in-service prior to demo of the existing, so cannot re-use exising PRVs on this Contract (will be salvaged to TMWA). The 6-inch PRV requirements are specified in paragraph 2.15 of Section 15010 (note: since for bypass check feature not required).

Question No. 5: Item 27 on C4 calls for a quantity of 2, 3 are shown on plan.

Response to Question No. 5: Yes, 3 are required and the material list on sheet C4 shall be updated as part of this addendum.

Question No. 6: What bid item should be used for the 41LF± of curb/gutter and sidewalk removal and replacement shown on sheet DM1 as part of the existing pump station demolition?

Response to Question No. 6: The curb, gutter and sidewalk removal and replacement shown on sheet DM1 as part of the existing pump station demolition shall be paid for in the bid item PS-21. This portion of curb, gutter and sidewalk shall not be paid for per lineal feet, but included within the lump sum price of bid item PS-21.

Agreement:

- The Contract time assumes Five (5) weather days will occur. Remove and replace page 2 of the Agreement with the updated Agreement page included in this Addendum.

Clarifications:

Clarification No. 1: The pumps in this Contract are to be Contractor provided and it has been brought to our attention that NSF 61 and NSF 372 certifications required per State Health may not be available from some common pump suppliers for the pumps specified. This is a cursory notice that both of these NSF Certifications are required for potable water pumps in Nevada.

Drawing Revisions:

- Improvement plan sheet C4 has been revised and is attached at the end of this addendum.

Specification Changes:

- In Technical Specification Section 11210 in the Table on page 5 the Rotation of the pump shall be Right Hand-Clockwise not Left Hand-Clockwise.

END OF ADDENDUM 1

REPLACEMENT PAGE 2 OF

SAMPLE

AGREEMENT FOR CONSTRUCTION
Sutro #2 Pump Station Rebuild

TMWA Capital Project No.: 13-0014

Public Works Project Number: WA-2015-056

such matters and is in no way relying upon any opinions or representations of the Owner, or any of their respective officers, agents, servants, or employees with respect thereto.

3. **TIME OF COMPLETION**. All times stated in the Contract Documents, including interim milestones and those for the delivery and installation of materials and equipment, are of the essence of this Agreement

3.1 Commencement of Work. Contractor shall promptly commence and diligently prosecute the Work to be performed under this Agreement on the date fixed in a Notice to Proceed and shall perform the Work diligently, expeditiously and with adequate resources so as to complete the Work on time.

3.2 Completion of Work. Contractor shall achieve Substantial Completion by **Two Hundred Ten (210) days from the date of the Notice to Proceed** and shall achieve 100 percent completion by **Two Hundred Forty (240) days from the date of the Notice to Proceed**. In addition, the Contractor shall achieve any critical intermediate project milestone dates as identified and defined in Article 7 of the Supplementary Conditions. Contractor shall reschedule or resequence the Work, to the extent possible, to avoid or minimize any delay to the contract time. Contractor agrees it included adequate costs in the Contract Sum to provide sufficient levels of labor and equipment (including overtime if required) to insure that the specified dates are met. The contract time set forth herein assumes **five (5) weather delay days** will occur during construction of the Project, and the Contract time will not be extended unless weather delay days exceed the days specified above. Should the Contractor fail to complete the Work in the time agreed upon, the Contractor will be subject to liquidated damages as provided herein.

3.3 Liquidated Damages and Early Completion Incentive. Owner and Contractor recognize time is of the essence and Owner will suffer extensive damages if the Work is not completed within the time specified above, the exact amount of which is difficult to ascertain as of the effective date of this Agreement. Accordingly, if Contractor fails to achieve Substantial Completion of the Work within the time specified above, Owner shall be entitled to retain or recover from Contractor, as liquidated damages for delay (but not as a penalty) the sum of **$1.900.00 (One Thousand Nine Hundred Dollars)** per day commencing on the expiration of the time specified above and continuing until the actual date of Substantial Completion is achieved; and if Contractor fails to achieve 100 percent completion of the Work within the time specified above, Owner shall be entitled to retain or recover from Contractor, as liquidated damages for delay (but not as a penalty) the sum of **$1,000.00 (One Thousand Dollars)** per day commencing on the expiration of the time specified above and continuing until the actual date of 100 percent completion. Owner may deduct liquidated damages from any unpaid amounts then or thereafter due the Contractor under this Agreement. If TMWA terminates the Contractor for default, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work together with any increased cost occasioned by TMWA in completing the Work.

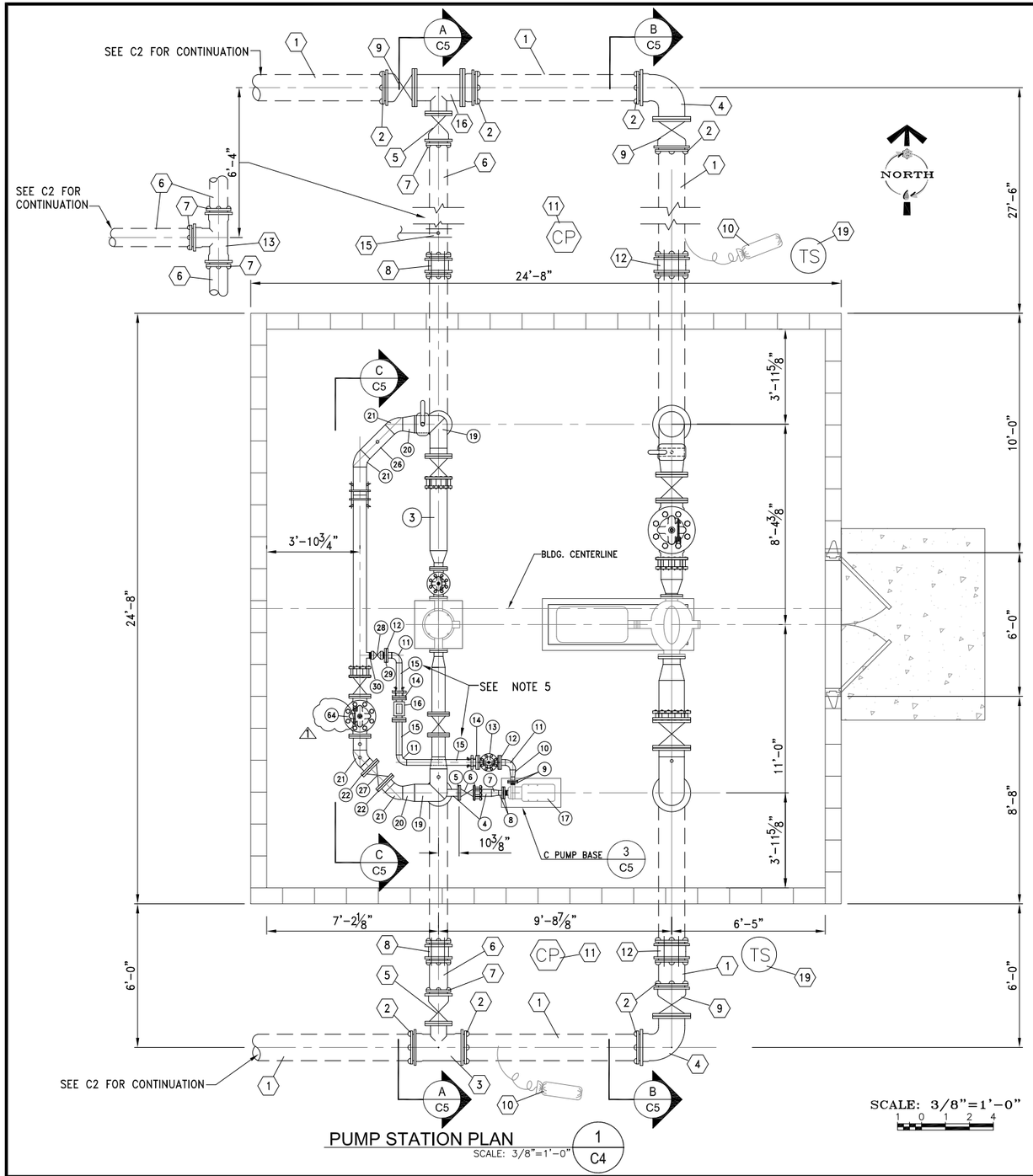
3.4 Construction Schedule. Contractor shall, not less than ten (10) calendar days after execution of this Agreement by TMWA, prepare and submit a proposed Construction Schedule to TMWA for review and acceptance in accordance with the General Conditions.

4. **CONTRACT SUM**.

4.1 Construction Contract Price. Owner shall pay the Contractor, as full and complete compensation for Contractor's timely performance of all the Work in accordance with the Contract Documents and to the satisfaction of Owner, the lump sum amount of:_____**Dollars** (the "Contract Sum"). The amount set forth above includes the aggregate amount of all allowances and unit price items to be furnished or installed.

5. **PAYMENTS**.

5.1 Progress Payments. The Owner will pay the Contractor progress payments and the final payment in accordance with the provisions set forth in the Specifications computed from the actual quantities of work performed



PUMP STATION PLAN
SCALE: 3/8"=1'-0"
1 C4

SCALE: 3/8"=1'-0"
1 0 1 2 4

MATERIAL LIST - SEE NOTES 1&2		
⬡ OUTSIDE		
NO.	QTY.	DESCRIPTION
1	AS RQ'D	12" DIP CLASS 51 W/POLY-WRAP AND BONDED JOINTS
2	12	12" MJ RESTRAINT GLAND
3	1	12"x8" MJxFLG DI TEE
4	2	12" MJxFLG DI 90° ELB.
5	2	8" FLGxMJ GTVs
6	AS RQ'D	8" DIP CLASS 51 W/POLY-WRAP AND BONDED JOINTS
7	9	8" MJ RESTRAINT GLAND
8	2	8" DI REST. CPLG
9	3	12" FLGxMJ GTVs
10	2	32LB MAGNESIUM ANODE, SEE DET. 5/D5 (6 TOTAL SEE SH C2)
11	2	CP TEST STATION, SEE DET. 2/D5
12	2	12" DI REST. CPLG
13	1	8" DI MJ TEE
14	4	4000 PSI CONCRETE SUPPORT PILLOW - FITTING OD + 6" ALL DIRECTIONS - 12" MINIMUM DEPTH BELOW FITTING
15	1	8"x1" SERVICE SADDLE, 1" CORP. STOP AND 1" HDPE TO IRRIGATION METER - SEE LANDSCAPE PLANS
16	1	12"x8" DI FLG TEE
17	2	8" DI MJ ELB.
18	2	12" DI MJ ELB.
19	2	TRACER WIRE TEST STATION, DET. 1/D5

MATERIAL LIST - SEE NOTES 1&2		
◯ INSIDE		
1	2	8"REST. FCA/INSULATING FLANGE KIT AND 1" THICK STL FILLER FLG
2	2	8" SOWF
3	AS RQ'D	8"ø SCH 40 STL PIPE, EL&C, ENDS PER PLANS
4	AS RQ'D	3"ø SCH 40 STL PIPE, EL&C, ENDS PER PLANS
5	1	3" SOWF
6	1	3" FLG GTV AND REST. FCA
7	1	3"x2" STL ECC. REDUCER-FLAT SIDE ON TOP
8	1	2" WELD NECK FLANGE, 2" STL THREADED COMPANION FLG W/2" STL NIPPLE
9	1	1.5" WELD NECK FLANGE, 1.5" STL COMPANION FLG W/1.5" STL NIPPLE
10	1	2.5"x1.5" STL CONC. REDUCER
11	3	2.5" STL 90° ELB. LONG RADIUS
12	2	2.5" WELD NECK FLANGE
13	1	2.5" PRV FLANGED (CLA VAL 90-01, SEE SPECS FOR OPTIONS)
14	2	2.5" REST. FCA PER M11, DESIGN PRESSURE 150 PSI
15	AS RQ'D	2.5"ø SCH 40 STL PIPE, EL&C, ENDS PER PLANS

EXTERIOR PIPE/FITTING/VALVE NOTES:
1. ALL EXTERIOR PIPE/FITTINGS/VALVES SHALL HAVE JOINTS BONDED, SEE DETAILS SHEET D5. BONDED PIPE/JOINTS SHALL EXTEND INTO THE PUMP STATION BUILDING AND END AT THE INSULATION FLANGE ISOLATION KITS (AT DIP TO STL TRANSITION). ALL DIP SHALL BE THICKNESS CLASS 51 FOR CORROSSION ALLOWANCE REQUIRED.

NOTES FOR MATERIAL LIST:
1. FINAL MATERIAL LIST REQUIRED SHALL BE VERIFIED/DETERMINED BY CONTRACTOR. NOTIFY TMWA PROJECT REPRESENTATIVE OF ANY OMISSIONS/ADDITIONS/CHANGES PRIOR TO ORDERING.
2. REFER TO SPECIFICATIONS FOR MATERIALS AND OPTIONS REQUIRED.
3. PROVIDE INSULATING BUSHING OR DIELECTRIC UNION BETWEEN DISSIMILAR MATERIALS-SEE DETAILS.
4. MINOR CHANGES TO PIPING SHALL BE ALLOWED TO ACCOMMODATE CONTRACTOR SUPPLIED/INSTALLED AND TMWA APPROVED PUMPS . CONTRACTOR TO VERIFY AND SUBMIT DIMENSIONED PIPING DRAWINGS PER ACTUAL PUMP DIMENSIONS.
5. TO ACCOUNT FOR THREADED CONNECTIONS THESE PIPE SECTIONS TO BE PROVIDED WITH ADDITIONAL LENGTH (AS CONTRACTOR DEEMS NEEDED) TO ALLOW FOR FIELD CUTTING TO FIT, REPAIR ALL DAMAGED COATINGS WITH FIELD APPLIED EPOXY REPAIR SYSTEM.

MATERIAL LIST CONT. - SEE NOTES 1&2		
◯ INSIDE		
16	1	2.5" FULL PORT FLANGED MAG-METER, SEE ELECTRICAL SPECS.
17	1	5 HP END SUCTION PUMP-SEE SPECIFICATIONS
18	2	1-1/2" OUTLET/VALVE PER DET. 6/D1 (HVAC SUPPLY/RETURN)
19	2	8" STL SIDE OUTLET 90° LONG RADIUS ELB.
20	2	8"x6" STL CONC. REDUCER
21	4	6" STL 45° ELB. LONG RADIUS
22	2	6" WELD NECK FLANGE
23	6	1" OUTLET/VALVE PER DET. 6/D1
24	1	2" OUTLET/VALVE PER DET. 6/D1
25	1	8"x6" STL ECC. REDUCER (FLAT SIDE ON TOP)
26	AS RQ'D	6"ø SCH 40 STL PIPE, EL&C, ENDS PER PLANS
27	3	6" FLG GTV
28	1	2.5" THREADED GTV
29	1	2.5" STL THREADED COMPANION FLANGE W/2.5" STL NIPPLE
30	1	2.5" STL THREDOLET AND 2.5" STL NIPPLE
31	1	6"x4" STL ECC. REDUCER (FLAT SIDE ON TOP)
32	-	NOT USED
33	1	4"x3" STL ECC. REDUCER (FLAT SIDE ON TOP)
34	2	4" WELD NECK FLANGE
35	1	4" PRV FLANGED (CLA VAL 90-01, SEE SPECS FOR OPTIONS)
36	1	8"x4" STL ECC. REDUCER (FLAT SIDE ON TOP)
37	1	8" REST. FCA
38	1	8" FLG GTV
39	2	8" WELD NECK FLANGE
40	6	REST. CPLG (PER M11 DESIGN PRESSURE 150 PSI OR EBAA SERIES 3800)
41	1	20 HP VERTICAL IN-LINE PUMP-SEE SPECIFICATIONS
42	1	1" CAV SEE DET. 1/C5
43	1	2" CAV SEE DET. 1/C5
44	2	12" REST. FCA/INSULATING FLANGE KIT AND 1" THICK STL FILLER FLG
45	2	12" SOWF
46	AS RQ'D	12"ø SCH 40 STL PIPE, EL&C, ENDS PER PLANS
47	1	12" WELD NECK FLANGE
48	1	12" FLG GTV
49	1	12" REST. FCA
50	1	12"x8" STL ECC. REDUCER (FLAT SIDE ON TOP)
51	2	6" SOWF
52	1	10"x6" STL ECC. REDUCER (FLAT SIDE ON TOP)
53	AS RQ'D	10"ø SCH 40 STL PIPE, EL&C, ENDS PER PLANS
54	1	10" REST. FCA
55	1	10" PRV FLANGED (CLA VAL 90-01, SEE SPECS FOR OPTIONS)
56	1	10" FLG GTV
57	1	10" SOWF
58	1	12"x10" STL CONC. REDUCER
59	AS RQ'D	12"ø SCH 40 STL PIPE, EL&C, ENDS PER PLANS
60	1	12" STL 90° ELB. LONG RADIUS
61	1	12" STL 90° ELB. SHORT RADIUS
62	1	100 HP HORIZ. SPLIT CASE PUMP-SEE SPECIFICATIONS
63	10	PIPE SUPPORT PER DETAIL 5/D1
64	1	6" PRV FLANGED (CLA VAL 90-01, SEE SPECS FOR OPTIONS)

REVISION	DESCRIPTION	BY	APP	DATE
1	ADDENDUM 1: UPDATED PLAN AND MATERIAL LIST EDITS	SWB		1/9/15

WORK ORDER NO. 13-0014
DESIGNED SWB
DRAWN SWB
DATE JANUARY 2015
CHECKED CS/BT
SUBMITTED
RECOMMENDED
APPROVED SE

TRUCKEE MEADOWS WATER AUTHORITY
1355 CAPITAL BLVD. / PO BOX 30013
RENO, NEVADA 89520-3013
PH 775-834-8000 / FX 775-834-8003

SUTRO 2 PUMP STATION REBUILD

PUMP STATION PIPING PLAN

SCOTT W BENEDICT — PROFESSIONAL ENGINEER — STATE OF NEVADA — No. 14648 — CIVIL
12/19/14

SHEET NUMBER
C4
7 OF 38

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