November 13, 2026

Northridge Well Phase 2
Fair Oaks Water District

ADDENDUM 2

PROJECT: Northridge Well Phase 2, Equipping and Site Improvement Project
Project No. C26WTNWRE

Instructions to Prospective Bidders:

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents and Contract Documents issued for this Project. All conditions, requirements, materials and workmanship are to be as described in the Contract Documents unless specifically stated otherwise. This Addendum consists of 15 Addendum pages and 3 pages of Addendum attachments for a total of 18 pages.

Acknowledgement of Receipt of this Addendum shall be included in the space provided on Page 1 of the Bid Proposal submitted for the Northridge Well Equipping and Site Improvement Project.

Item 2.1

The Bid due date for the Northridge Well Phase 2 Equipping and Site Improvement Project has been extended to November 18, 2026 at 2:00 p.m. Bids shall be received and opened at the office of the Fair Oaks Water District, 10326 Fair Oaks Boulevard, Fair Oaks, CA 95628, Attn: Blake Chetcuti.

Item 2.2

Q. M1 Detail 2 measures the 362 ft setting from the surface plate (EL 217.34), which puts the bowls about 360.25 ft below grade. That is above the 361 ft bottom of the upper screen, but M1 says to set them below it.

A. The depth to the well screens were measured from the ground surface at the time Well # 15 was drilled. The existing ground surface elevation, and the ground surface elevation when Well #15 was drilled, is ± 217.3. The bottom of the upper well screen is, therefore, ±elevation -143.7. The top of the pump bowls, as proposed, is 362 feet below the elevation of the well head pedestal, (elevation 217.34). This will place the top of the pump bowls at -144.66, or ± 12 inches below the bottom of the upper well screen.

Item 2.3

Q. Section 01025 pays for the pump and motor only after commissioning. We ask whether materials delivered or stored on site, and installation, can be paid as progress payments.

A. Yes, materials delivered and properly stored, as approved by the District, may be paid as progress payments.

November 13, 2026

Northridge Well Phase 2
Fair Oaks Water District

ADDENDUM 2

Item 2.4

Q. A2 and spec 08710 assign the hardware sets to opposite doors. A5 also swaps which door is FRP and which is hollow metal.

A. The Chemical Room Door shall be furnished and installed with FRP Doors, Frames and Louvers. Typical hardware shall be stainless steel. Refer to for the Chemical Door, DO1 Door Hardware Schedule, Specification Section 08710, Article 3.06.

Item 2.5

Q. A2 calls for sealer only. Specs 09900 System F, 03300 and 07190 call for chemical-resistant lining, a densifier and a slab protector.

A. Specification Section 09900, System F shall control coating of interior concrete masonry in the Chemical Room.

Item 2.6

Q. M2 and P&ID (I2) put the gate valve, pressure transmitter, chemical injection point and flow meter in a different order. I2 also adds a 12-inch isolation valve and a blow-off branch upstream of the pump-to waste tee.

A. The mechanical equipment and instruments, as shown and ordered on Plan Sheet M2 for the well discharge piping, shall be furnished and installed. A separate 12-inch isolation valve and blowoff branch upstream of the pump to waste tee, shown on P & ID (ID) 2, is not required.

Item 2.7

Q. Addendum 1 sets 400 A, 3-wire, with an 800AF/400AT breaker. The E-2 change shows three 600 kcmil conductors, but Item 1.15 says the four on E10 are correct. The 25-ft cable and the 120 V vs 208 auxiliary receptacles are still open.

A. Conduit P004A is revised to 3 # 600 +#1/0 G. As indicated in Addendum 1 Items 1.12 to 1.16, the portable generator connection receptacle shall be Arkite Model AREX 4031210 (3W/ 3P, 4" hub). The Contractor furnishes the 25 ft cable as 3/C 500 kcmil Type G-GC with AP403512 plug. The Portable generator will need to have neutral- ground bonding. For the purpose of biding assume that the portable generator plugs, as specified, are required for this installation. This will be confirmed in the field with verification of the existing generator plug connections.

Item 2.8

ADDENDUM 2

Q. Which item (2, 5, 6, 8 or 10) carries the buried DIP, the pump-to-waste manhole and the wall underdrain.

A. We recommend that Bid Item 6 include buried DIP as shown on Plan Sheet 12. We recommend that Bid Item 2 includes the pump to waste manhole. We recommend that Bid Item 10 include the wall underdrain pipe.

Item 2.9

Q. A2 calls for a painted roof; 07410 calls for unpainted Zincalume. The 07410 rating is based on a steel deck, but S2.0 shows plywood on trusses.

A. The unpainted Zincalume shall be painted as directed by FOWD. As shown on Plan Sheet A6, Detail 5 and on Plan Sheet A7, Detail 3, the typical roof assembly shall consist of metal roof panels, membrane roof underlayment and plywood roof sheathing on wood trusses. The roof rating shall be based on this construction.

Item 2.10

Q. 04232, 07190 and 09900 System E each call for a repellent. Which applies to the building and which to the perimeter walls?

A. The ProSoCo, Inc. Blok-Guard & Graffiti Control Water Repellent Sealer specified in Section 07190 shall be applied to the exterior CMU surfaces of the wall building and CMU walls.

Item 2.11

Q. Pads are referenced but not shown on the S sheets. The tank pad is 36 in. square; smaller than the 42 in. containment basin it supports.

A. The 4-inch-thick concrete maintenance pad shown on Plan Sheet M3 shall be 36 inches square. The top of the containment basin is 42 inches square. The bottom of the basin is 36 inches square.

Item 2.12

Q. Addendum 1 settles the slab and the waterproofing. Footing reinforcement, the vapor retarder (now that the rock is deleted) and the foundation drain are still open.

A. Footing rebar is provided on Plan Sheet S1.2, Detail S245. Per Section 02300 of the Project Specification, Article 3.11, the specified vapor retardant membrane is required at

all seams and pipe penetrations and connected to all footings. The well building foundation drain shown on Plan Sheet A7, Detail 1 connects to the wall underdrain and wall underdrain discharge pipe shown on Plan Sheet C2.

Item 2.13

Q. S1.0 gives Risk Category III and the 2025 CBC; 16010 gives Risk Category IV; other sections cite the 2022 CBC, the 2013 CBC, or the UBC.

A. Seismic anchorage for electrical equipment shall conform to the "current, applicable and more stringent" of current California Building Code (CBC) or International Building Code (IBC") requirements as specified in Project Specifications Section 16010. As stated in Structural Plan S1.0, construction shall conform to 2025 CBC. Metal Roof Panels, specified in Section 07410, shall "comply with UBC and local building code requirements", if more restrictive than the 2022 CBC criteria identified for uplift loads.

Item 2.14

Q. The floor drain runs to the pump-to-waste box and then the storm drain (C2). With the mud valve deleted, please confirm that a hypochlorite room drain to storm is acceptable and whether it needs dechlorination or a shutoff.

A. Neither dechlorination nor a spill shut off is required for the hypochlorite room drain. The volume of the sodium hydrochloride containment basin to be installed will exceed the volume contained, at any one time, within the sodium hypochlorite storage tank.

Item 2.15

Q. Emergency shower / eyewash water supply source and size, tempered water and the waste connection are not shown. The heat-trace circuit appears overloaded and is not marked for the 30mA ground-bult breaker that 16120 requires.

A. Refer to Plan Sheet C1. The emergency shower / eyewash will be served by the 1-inch diameter water supply pipe. The heat-trace system is shown on Plan Sheet E10. We have confirmed that the heat-trace circuit is adequate for the proposed service. A waste connection for the emergency shower / eyewash is not proposed. Discharge from the emergency shower / eyewash will be permitted to drain to the concrete pavement and then surface drain to site drainage improvements.

Item 2.16

ADDENDUM 2

Q. I3 shows a calibration column and two pump discharge gauges that are not on M3 or in 11250.

A. The calibration column and the chemical pump discharge gauges shown on Plan Sheet I3 are not required.

Item 2.17

Q. Paving reinforcement is #4 @ 18 in. (C3) or welded wire mesh (5/C6). The well pad is 45 SF (C3 table) or 64 SF (8 ft x 8 ft per C3 plan).

A. Site PCC concrete may be reinforced with welded wire mesh per detail 5, Sheet, or # 4 @18" O.C. EW per Plan Sheet C3. The outside dimension of the well pad is 8 ft x 8 ft. The net area of the well pad is 64 square feet, less the 52-inch square wellhead (18.8 sq. ft.), or 45.2 square feet.

Item 2.18

Q. Wall C footing elevations and end station differ between C9 and C11; the Wall C underdrain inverts differ between C2 and C11, and several detail references are wrong.

A. Underdrain elevations shown on Sheet C2 for Wall A and Wall C are provided for underdrain discharge pipe inverts. Top of footing elevations are shown on Sheet C11. End station callouts are not included on Sheet C9. Wall Footing elevations shown on Plan Sheet C9 are intended to refer to a specific location (section) of wall as identified in Plan Sheet C2. Refer to Plan Sheet C11 for more detailed top of footing and top of wall elevations for Wall A, Wall B and Wall C.

Item 2.19

Q. D1 says both remove and salvage, and protect, on the same fence. 02050 requires salvage and all-new materials. Please confirm the limits (about 160 LF per 8/C9), and whether a new fence is installed at completion and of what type.

A. Along the Kaula Drive frontage of the temporary easement area (± 160 feet) it is intended that the existing SJUSD fence be salvaged to SJUSD or protected and then, reinstalled, in place. A temporary construction fence may be placed inside the existing SJUSD fence and the existing fence remain in place. Furnishing and installation of a new permanent fence is not intended at this location.

Item 2.20

ADDENDUM 2

Q. Confirm CLSM Unit for the water main placed within Kaula Drive. Per FOWD Standards, is imported backfill material required for water main? Is special construction required at the water main crossing of the existing sewer pipe?

A. CLSM is required over the length of pipe where there is less than 36" cover. CLSM will not be necessary based on the depths shown in the profile drawings. Per FOWD Standards, import backfill is required for all water main, pump-to-waste piping and water service trenches. Special construction is not required as the water main will be installed with 1 ft of vertical clearance above the sewer crossing.

Item 2.21

Q. Identify the size, tap location and length of the hot-tapped irrigation service and whether a new meter or backflow assembly is needed.

A. The existing irrigation service is 1". Contractor will install +/- 15 feet of new 1" service and relocate the backflow, per FOWD Standard Drawings #6 & #11. The existing water meter and backflow assembly may be re-used. The contractor will need to reconnect the customer's existing plumbing. Sheet C1 shows the locations and distances of the new and existing irrigation service.

Item 2.22

Q. Is the wharf hydrant head in this contract or future work? Also, the C12 callout for the 12x12x4 tee.

A. The wharf hydrant head is not furnished and installed under this contract. FOWD will provide the Contractor with a temporary wharf hydrant head to use during the project, if desired. The fitting will be 12" x 12" x 4" flanged tee followed by a 4" flange x MJ gate valve per FOWD Standard Drawing #4.

Item 2.23

Q. Where may pump start-up and pump flushing water be discharged before the pump-to-waste system is approved? Who obtains the SASD and County DWR approvals? If the existing sanitary sewer is used, will the 1,500-gpm pump rate into the 6-inch sewer be limited?

A. The Contractor is responsible for SASD permitting. Note that SASD may restrict flow rates to a 100-gpm maximum. Contractor may discharge pump start up and pump flushing water to storm drain inlets on Kaula Drive or through the onsite pump to waste system

using FOWD's NPDES permit. Construction of these improvements will be completed before final pump testing.

Item 2.24

Q. Rolling Gate Frame gauge, track type and finish not consistent between Sheet Specification Section C10 and 02810.

A. Where there is a difference between the Project Plans and Specifications, the more stringent requirements control. In this case, the gate frame (2" x 2" x 0.120" wall), track type (12-gauge galvanized steel inverted V shape) and finish (Electrode position coating; E-coat), as specified in Specification Section 02810, shall control the rolling gate requirements.

Item 2.25

Q. Where FOWD Standards differ from Piping Specifications included in Section 15040, which requirement controls?

The FOWD Standard Specifications govern where applicable. This is largely for water main and water service installation.

a) Pressure test at 150 psi for 2 hours.
b) Bacti. sampling by FOWD after 48 hours.
c) Compaction of 90% for sand and 95% for AB for water main trenches and water service trenches.
d) Tracer wire taped every 5 ft with 10 mil poly tape. 12" wide blue marking tape placed over top of the 12" sand layer.
e) Open trenches in the roadway must be backfilled or plated at the end of each day. 100 ft is the maximum length of open trench permitted at any given time.
f) FOWD standard drawing numbers were revised in June 2026. Applicable details are included with the Project Plans, and all details are available on the FOWD website.
g) Earthwork quantity does not include trenching.

Item 2.26

Q. Plan Sheet E2 shows a 2-pole primary breaker feeding a 3-phase panel. Confirm 3-phase transformer and the current 3-pole primary breaker size.

A. Revise circuit Breaker "R" to 70A/3P.

Item 2.27

ADDENDUM 2

Q. Please provide the switch pad size. Conduit L008 (meter main switchboard) is shown on Plan Sheets E9/E10 but is not included in the conduit schedule. Please provide conduit size conductor wires. Please confirm the size of the P002 supply side bonding jumper.

A. For Bidding purposes assume that the Meter/Main Switchboard pad dimensions are 8 ft x 8 ft. Conduit L008 shall have be the same size and fill as shown in the Conduit Schedule for Conduit L011.Revise Conduit P002 fill to 3- # 300 + #2/0 G.

Item 2.28

Q. Plan Sheet E11 identified a Pioneer Mini-Split Unit or approved equal. Specifications identify a Mitsubishi Mini-Split Unit or approved equal. Specifications refer to an "MCC" Room that is not on the Plans.

A. Per the Project Specifications, Section 15800, the Contractor is to furnish and install a Mitsubishi Electric Model MXZ-5D36NL Mini-Split Air Conditioning Unit or approved equal. The Pioneer WTO36GL Mini-Split Unit, identified on Plan Sheet E11, is acceptable if shown to be equal to the Mitsubishi Mini-Split Unit specified. The "MCC Room" shown on the Plans should be more properly identified as the "Electrical Room".

Item 2.29

Q. Addendum 1 confirms that the District programs the PLC. Please confirm that programmer delays are excusable, the antenna requirements and the camera cabling scope.

A. Programmer delays are excusable. Neither antenna nor camera cabling is to be furnished with this Project. Security cameras, antenna and cabling are to be installed by others.

Item 2.30

Q. The Plan Sheet E-9 change included in Addendum 1 deletes the new telco connection, but the revised D1 still extends a spare conduit from the AT&T box to the new building.

A. The existing AT&T service is located at the southeast corner of the Project site. As part of this Project the Contractor shall extend a spare conduit from this location to the new well building.

Item 2.31

Q. What is the number, size and species of trees to be removed (any oaks?) and the number of sprinklers to cap and reinstall on school property?

A. There are as many as 6 trees, dbh 3" to 6", to be removed or trimmed along the north side of the Project site. These are small " volunteer" trees. There are no oak trees in this

area and no permit is required to remove or trim these trees. We estimate 4 existing sprinklers to be capped and reinstalled within the SJUSD Temporary Easement Area.

Item 2.32

Q. Confirm celling height, framing and finish level and whether moisture / chemical resistant board is required in the sodium hypochlorite room.

A. The height of Well Building Rooms is 10'-8", measured from floor to top of block wall. Wall Board finish shall be as specified in Specification Section 09260. Framing shall conform to Plan Sheet S3.0 including 3 x 8 PT top plate over min ½" non-shrink grout. Gypsum board, as specified in Section 09260, shall be installed in both the Sodium Hypochlorite Room and in the Electrical Room.

Item 2.33

Q. Clarify the building height. Please confirm the block type for the top course of the CMU Wall.

A. The building height is 12"-10 ¾" (10'-8" wall height + 2'-2 ¾" to ridge). The top course of the CMU Wall shall be Precision Block per Plan Sheet A6.

Item 2.34

Q. Confirm strength of concrete required for curbs, swale, walks, truck curbs, pads and pole bases.

A. Unless otherwise noted on the Plans, the minimum strength of concrete required for site curbs, swale and walks shall be 2500 psi at 28 days. As noted on Plan Sheet C10 and Plan Sheet E14, concrete strength for gate post footings and for the area light footing shall be minimum 3000 psi.

Item 2.35

Q. Please clarify "Sample Tap at Well Head See 7/C10" noted on Plan Sheet M2. Please clarify vent pipe material and schedule.

A. "Sample Tap at Well Head" is shown on Detail 5, Sheet C8. Vent pipe shall be 3" Schedule 80 Black Steel per Detail 4, Sheet M1. A 3" PVC cap shall be installed on the 3" air vent pipe per Detail 4, Sheet M1. The 3" Schedule 40 Black Steel Pipe shown in Detail 3, Sheet M1 refers to the new filter feed pipe.

Item 2.36

ADDENDUM 2

Q. Please provide penetration / sleeve details for the 2 x ½" chemical conduits. 2" sample conduit, 4" floor drain and electrical conduits through building CMU walls/ footings.

A. Pipe and conduit penetrations through building CMU walls / footings shall be grouted or otherwise sealed, as approved by the District.

Item 2.37

Q. Per Note 7, Sheet C1, Remove and Replace Hydrant Tee w/ 12" x 12" x 6" Tee, confirm existing hydrant, bury, lateral are reused and whether hydrant bollards are required.

A. The existing hydrant, lateral, and burial will be reused. Hydrant bollards are not required.

Item 2.38

Q. Confirm No. SWPPP / WDID / QSP. Confirm temporary construction of fence alignment, type and height.

A. The total area of disturbance is less than 1.0 acre. SWPPP / WDID / QSP are not required for this Project. The temporary construction fence is to be aligned to include the Temporary Construction Easement Area, the existing Well Easement and the existing Well Site. Refer to Detail 8, Sheet C9. At a minimum, the temporary construction fence shall be chain link, 6 feet in height.

Item 2.39

Q. The ENGEO report states its' recommendations are valid from no more than 2 years. Will an update letter be issued before construction?

A. Yes.

Item 2.40

Q. Confirm light pole height

A. Area light pole shall be 12 feet in height per Detail ALP, Sheet E14.

Item 2.41

Q. Is the power monitor panel to be located inside the switchboard or is it located inside a separate panel? Confirm that the Contractor is to furnish and install an Allen Bradley PM 1000 1408-EM3A-ENT Power Monitor with no equals permitted. Confirm whether the Surge Projection Device shall be 300 KA or 100 KA per mode.

ADDENDUM 2

A. The Power Monitor is to be located inside the Switchboard as noted on Plan Sheet E3 . Power monitor shall be Allen Bradley PM 1000 1408-EM3A-ENT with Ethernet. No equals are permitted. Surge Protection Device shall be 100 KA per mode.

Item 2.42

Q. Confirm that the pump motor cable is furnished by the original equipment manufacturer and that the cable runs continuous to the wall connection panel with no splice in the well.

A. The motor cable shall be supplied by the original equipment manufacturer. After the motor is factory tested and the factory tests are certified by a Licensed Professional Engineer, the motor equipment manufacturer shall splice the motor cable to the motor leads. The splice shall be properly sealed. To ensure that the splice is water tight and suitable for the proposed installation, the motor and the cable shall be tested under submerged conditions. The manufacturer shall megger the motor leads before submergence, during submergence and after submergence to ensure that water has not intruded into the splice. Certified test results confirming satisfactory performance of the motor, motor cable, and the factory spliced leads shall be provided to the District before the motor and motor cable are furnished to the District.

Item 2.43

Q. Is a County Building Permit required for the Well Building? Is the Contractor responsible for obtaining the SASD Discharge Permit and County DWR approval? Does the Contractor obtain the County Encroachment Permit?

A. A County Building Permit is not required for this Project. The Contractor is responsible for obtaining the permits from SASD to discharge pump flows to the sewer. Discharge to the County storm drain system may be conducted in conformance with FOWD's NPDES permit. The Contractor is responsible for obtaining encroachment permits from the County for work within the County (Kaula Drive) Right-of-Way.

Item 2.44

Q. Specifications Section 08910, Metal Wall Louvers is not included in the Project Specifications; please include. Please identify the size of the Chemical Room exhaust fan louver size.

A. Specification Section 08910, Metal Wall Louvers, is attached to this Addendum. The size of the Chemical Room Exhaust Fan Louver is 20" x 20".

Item 2.45

Q. Will slag cement or natural P0330 land be accepted as an alternate to 15% to 25% fly ash in cast-in-place structural concrete materials?

ADDENDUM 2

A. Alternates to fly ash shall be reviewed with the Contractor's concrete mix design shop drawing submittals.

Item 2.46

Q. Are any existing (Northridge Well 9) facilities that must remain energized during construction?

A. No.

Item 2.47

Q. There are references in Specification Section 09900 and Section 15100 to "Sodium bisulfite" and sodium "sodium bisulfite rooms". Are these references applicable to this Project.

A. Ignore references to sodium bisulfite found in the Northridge Well Project Plans or Specifications.

Item 2.48

Q. Is an owner -witnessed pump test required?

A. Pump test shall be witnessed and certified by a Licensed Professional Engineer who may be an employee of the pump manufacturer. An owner witnessed test will not be required.

Item 2.49

Q. Clarify the length of the construction entrance required. Identify the location of the concrete washout. Are driveway approaches required at the two gate openings?

A. The Contractor's stabilized construction entrance shall be minimum 50 feet in length, per Detail 1, Sheet C5. The concrete washout shall be located within the Temporary Construction Easement Area as approved by the District. Project driveways shall be constructed with sidewalks constructed with 6" PCC over 6" A.B. as shown in Sheet C3.

Item 2.50

Q. Identify the length that the existing 12" SD is protected. Identify backfill and compaction requirements for underground improvements removed within the existing well site.

A. The existing 12-inch storm drain is to be protected from the location of the proposed storm drain inlet shown on the Site Plan (Item 22, Plan Sheet C1) and continuing south to the

existing discharge in Kaula Drive. Backfill and compaction of underground improvements removed from the well site shall conform to Specification Section 02300.

Item 2.51

Q. Please see following question regarding the specified Metering Panel as per spec 16430 and Sheet E2 (33 of 48).

1. Spec 16430, 2.01, B. Meter Panel notes that the Enclosure shall be Nema 3R and constructed from min galvanized 14 ga sheet steel.
2. Sheet E2 Notes under Item 4 that the exterior will be 12 gauge and interior 14 gauge.
3. Under dwg note item 3 the exterior will be fabricated from Galvanneal sheet steel.

Please advise if drawing notes prevail over specifications as it appears that the Spec allows for standard Nema 3R fabrication whereas the drawing appears to call for a custom weather wrap enclosure to be installed over a standard Meter Main Enclosure

A. Furnish a Switchboard with 12ga exterior that meets UL891 requirements and is UL labelled. Manufacturer standard electro-coat painted steel NEMA 3R enclosure is the intended specification.

Item 2.52

Q. Spec 16430 Low Voltage Switchboard calls for ARMS switches to be installed on all breakers 400 A and larger. This spec and the Testing spec do not expressly call for testing and confirming the operation of the ARMS devices. Does the District want the applicable breakers to be tested in ARMS mode to confirm that the ARMS switch reduces the trip time?

A. Contractor shall test 400A and larger circuit breakers with ARMS mode enabled, and without enabled.

Item 2.53

Q. Please provide a copy of the SMUD rule 16 drawing which will show the required size of the Utility Vault and Transformer Pad. If this is not available, then provide the size of the required utility vault and transformer pad.

A. SMUD utility information can be found on the SMUD website and any information provided to answer this question is preliminary and for baseline budgeting only. SMUD

will dictate actual installation requirements based on their own standards. See SMUD Distribution Underground Structure T007 (current version) requirements.

Transformer pad - SMUD DWG UVD 2.2, 2.2A

Primary pull box – SMUD Dwg UVC 1.2 and UVC 1.2.2

Item 2.54

Q. SMUD Electrical Service Requirements, Spec T007, Rev 11 under sections 4.5.4 and 4.5.5 appear to call for concrete encasement for conduits P001A/B except not total encasement at the power pole nor at the transformer pad. Concrete is specified to be 3/8" washed pea gravel aggregate with 5 sacks of Type 1, 2 or 3 portland cement.
Please confirm this requirement is valid for this project and this duct bank.

A. Our interpretation of this section and specific assumption is that concrete encasement will not be required for this project. If it is required by SMUD, a request for cost change may be reviewed.

Item 2.55

Q. Please advise if Secondary SMUD conduits P002A/B/C require concrete encasement.

A. Our interpretation of SMUD requirements is that concrete encasement will not be required for this project. If it is required by SMUD, a request for cost change may be reviewed.

Item 2.56

Q. Conduit L008 is shown on Dwg E9 from LP to Meter/Main but is not shown in Conduit Schedule. Please advise size and conduit fill.

A. Conduit L008 to have identical size and fill as conduit L011.

Item 2.57

Q. Conduit D015 is shown on Dwg E9 and Conduit Schedule, however, conduit fill is not shown on conduit schedule. Please advise conduit fill.

A. Conduit D015 will be an empty conduit with pull string.

Item 2.58

Q. Dwg E9 shows underground raceway from Panel LP going past conduit L015 and continuing South but there are no other conduits from LP shown on the drawing. Please confirm this is a mistake and correct the drawing or add the missing conduit from LP Panel.

ADDENDUM 2

A. D015 and L015 shall terminate at the light pole.

Item 2.59

Q. Discovered that there are several X conduits which apparently go to Panel LP which are future spares. Suggest these be re-labelled as LX001 for example so that they are properly separated in duct banks from X conduits coming from the PLC Panel.

A. No revisions to re-labelling the X conduits are proposed at this time.

Item 2.60

Q. Please confirm that all duct banks except the Utility conduits are Low Voltage Non-Duct Bank Sections per detail LVC on dwg E12 which require only coarse sand encasement. This will include other power conduits like P100A/B which carry VFD conductors.

A. The LVC detail applies to all conduits except for Utility primary and Utility secondary conduits. This project is not intended to have any concrete encasement on conduit.

Item 2.61

Q. SCADA programming scope**.** Section 01000 calls for the Contractor to furnish a configured, programmed and commissioned control system; Section 16010 and the Addendum #1 pre-bid response (Q10) state that the District's Application Programmer handles PLC, OI and SCADA programming. Please confirm the Contractor's scope is the System Integrator's hardware, factory and field testing, plus approximately 40 hours of testing assistance.

A. As discussed at the pre-Bid meeting the Contractor shall retain a qualified System Integrator to install the SCADA System. Application programming shall be conducted by the District's Construction Management team including PLC and SCADA Programming and associated testing and start up. The scope of work for the System Integrator is included in the Project Specifications, Section 16010, Article 1.03 B . As outlined in the Specifications, the System Integrator's Scope of Work shall include "finish design, select, furnish, construct, supervise installation, configure, calibrate, test and place into operation all transmitters, instruments, programable controllers, control panels, motor centers, alarm equipment, communications, monitoring equipment and accessories". For the purpose of bidding assume approximately 40 hours of testing assistance.

Specification Section 08910, attached.

END of ADDENDUM 2

SECTION 08910

METAL WALL LOUVERS

PART 1 – GENERAL

1.01 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced.

1. AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL (AMCA)

a. AMCA 500-D (2012) Laboratory Methods of Testing Dampers for Rating

b. AMCA 511 (2013) Certified Ratings Program for Air Control Devices

2. ASTM INTERNATIONAL (ASTM)

a. ASTM A653/A653M (2013) Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

1.02 SUBMITTALS

A. Shop Drawings

1. Wall louvers

B. Product Data

1. Door Louvers

C. Provide submittals in accordance with Section 01300 of these Specifications.

1.03 DELIVERY, STORAGE, AND PROTECTION

A. Deliver materials to the site in an undamaged condition. Carefully store materials off the ground to provide proper ventilation, drainage, and protection against dampness. Louvers shall be free from nicks, scratches, and blemishes. Replace defective or damaged materials with new.

1.04 DETAIL DRAWINGS

A. Show all information necessary for fabrication and installation of wall louvers. Indicate materials, sizes, thicknesses, fastenings, and profiles.

1.05 **COLOR SAMPLES**

A. Colors of finishes for wall louvers shall closely approximate colors selected for building doors and frames.

PART 2 - PRODUCTS

2.01 **MATERIALS**

A. Galvanized Steel Sheet

1. ASTM A653/A653M, coating designation G90.

2.02 **METAL WALL LOUVERS**

A. Weather resistant type, with bird screens and made to withstand a wind load of not less than 30 pounds per square foot. Wall louvers shall bear the AMCA certified ratings program seal for air performance and water penetration in accordance with AMCA 500-D and AMCA 511. The rating shall show a water penetration of 0.20 or less ounce per square foot of free area at a free velocity of 800 feet per minute.

B. Formed Metal Louvers

1. Formed of zinc-coated steel sheet not thinner than 16 U.S. gage.

C. Screens and Frames

1. For steel louvers, provide 1/2 inch square mesh, 12 or 16 gage zinc-coated steel; 1/2 inch square mesh, 16 gage copper; or 1/4 inch square mesh, 16 gage zinc-coated steel or copper bird screening. Mount screens in removable, rewirable frames of same material and finish as the louvers.

2.03 **FASTENERS AND ACCESSORIES**

A. Provide zinc-coated or stainless steel screws and fasteners for steel louvers. Provide other accessories as required for complete and proper installation.

2.04 **FINISHES**

A. Steel

1. Provide factory-applied coating. Clean and phosphate treat exposed surfaces and apply rust-inhibitive primer and baked enamel finish coat, one mil minimum total dry film thickness, color as shown on Plans.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Wall Louvers

1. Install using stops or moldings, flanges, strap anchors, or jamb fasteners as appropriate for the wall construction and in accordance with manufacturer's recommendations.

B. Screens and Frames

2. Attach frames to louvers with screws or bolts.

END OF SECTION