

LAKE HAVASU CITY, ARIZONA

ADDENDUM NO. 1



EXPIRATION DATE: 09/30/24

Mulberry WWTP Aeration Basin, Structural and MCC Upgrades Project No.: PW-107018-500388

July 19, 2023

Attention is called to the following changes, additions, clarifications and/or deletions to the original solicitation and they shall be taken into account in preparing submissions:

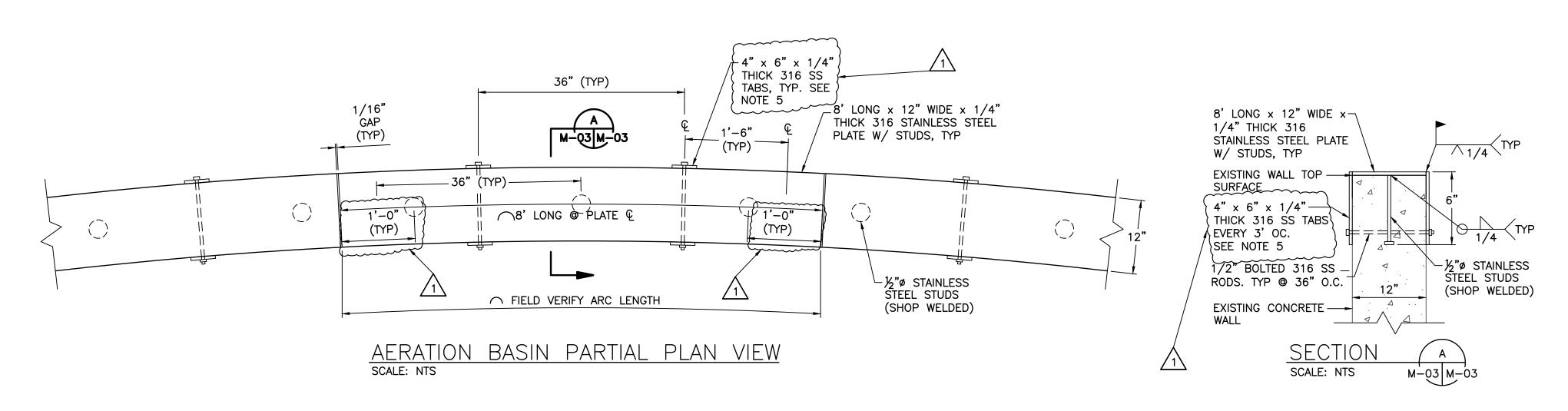
There is no change in the opening date. **Submissions are due no later than 3:00 p.m., Arizona Time, July 26, 2023**, at the City Clerk's Office, 2330 McCulloch Blvd. N., Lake Havasu City, AZ 86403.

In accordance with the Information for Bidders, Section 00100 -16, Addenda and Interpretations, the following revisions to the Plans and Specifications shall become a part of the Contract Documents and each bidder shall acknowledge receipt thereof on page 00300-1 of the Bid Proposal.

- 1. Specification Section 01030-Summary of Work, Part 1 General, Section 1.09; add the following paragraph as 1.09.F.:
 - F. The CONTRACTOR shall plan construction activities between work hours as defined in the Lake Havasu City Code of Ordinances, Section 9.30.070., Paragraph B.2:
 - May 1 to September 30: 5:00 a.m. thru 10:00 p.m.
 - October 1 to April 30: 6:00 a.m. thru 10:00 p.m
- 2. Specification Section 01040-Order of Construction, Part 3 Execution, in Paragraph A; replace each occurrence of "300" with "240".
- 3. On Drawing Sheet C-02; for the call out "AERATION BASIN REHABILITATION WORK UNDER THIS PROJECT SEE SHEETS M-01 AND M-02." add an arrow from the callout to the Existing Aeration Basin No.1.

- 4. Delete Drawing Sheet M-03 in its entirety and replace it with the Drawing Sheet M-03 attached to this Addendum No.1.
- 5. Delete Drawing Sheet E-401 in its entirety and replace it with the Drawing Sheet E-401 attached to this Addendum No.1.
- 6. Delete Drawing Sheet E-501 in its entirety and replace it with the Drawing Sheet E-501 attached to this Addendum No.1.

BIDDER'S ACKLNOWELDGEMENT	
DATE:	BY:
	Name:
	Title:



STEEL PLATE INSTALLATION DETAIL SCALE: NTS M-02 M-03

NOTES:

1. DRILL 5/8"ø x 7" LONG HOLES TO ACCOMMODATE THE 1/2"ø SS STUDS.

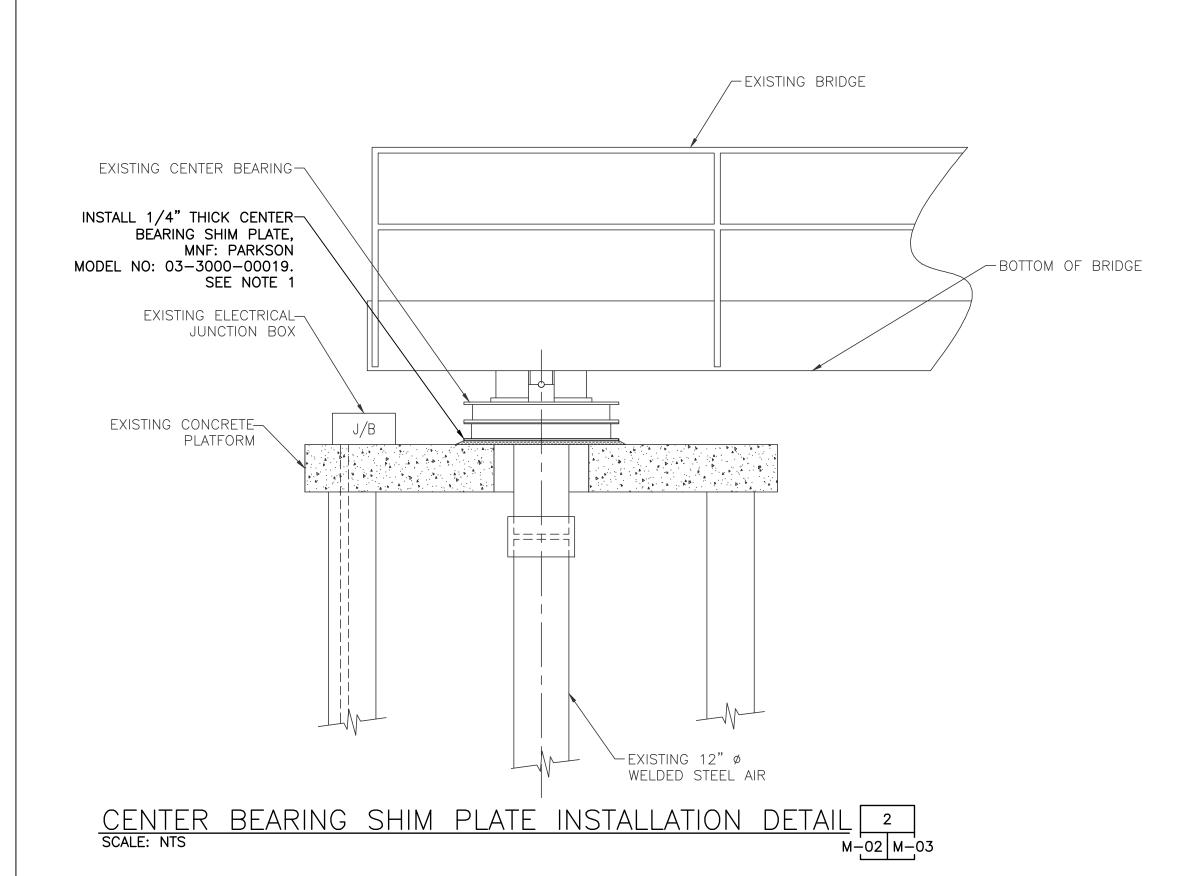
2. PRIOR TO INSTALLING EPOXY, BRUSH CLEAN AND AIR BLOW HOLES TO

REMOVE DUST OR LOOSE MATERIAL.

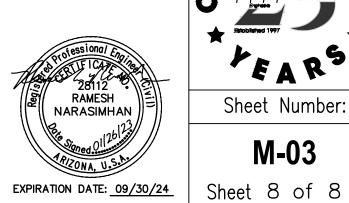
3. DURING THE SS PLATES INSTALLATION, CONTRACTOR SHOULD REMOVE ANY

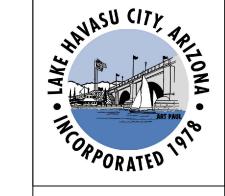
EXCESSIVE EPOXY UNDERNEATH THE PLATES. 4. ADJACENT PLATES SHOULD BE AT SAME LEVEL (ELEVATION).
5. FOR THE AREAS WHERE THE BASINS' WALL EXTERIOR EXPOSED SURFACE)-

DEPTH IS LESS THAN 8", PROVIDE 1/2" X 4" LONG STAINLESS STEEL CONCRETE WEDGE ANCHORS.



1. REMOVE AND REINSTALL DRIVE EQUIPMENT AS NECESSARY.





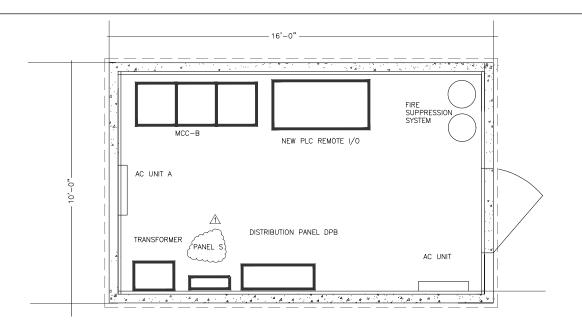


07/19/2023			DATE	
ADDENDUM NO. 1 — MODIFIED DIMENSIONS			REVISIONS / SUBMISSIONS	
—			NO.	

AKE

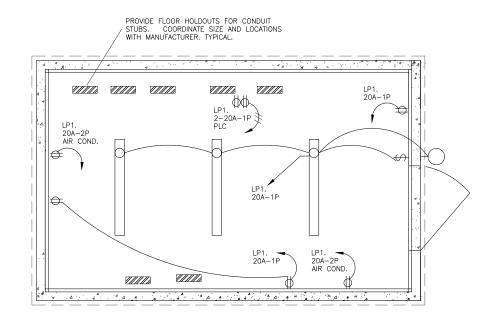
SS PLATE
INSTALLATION
DETAILS





PREFABRICATED EQUIPMENT SHELTER - PLAN VIEW





FLOOR SLAB HOLD OUT & CONVENIENCE ELECTRICAL E-401

PLAN NOTES:

- PROVIDE 4' SURFACE LED FIXTURE. EQUAL TO LITHONIA.
- PROVIDE 18W LED WALLPACK WITH PHOTOCELL. EQUAL TO LITHONIA.

Provide Spare Conduit Stubs to 5' exterior of building: MCC: 3 ea. 2" Spare. Distribution Panel: 3 ea. 2" Spare 3 ea 1" Spare PLC Remote I/O: 3 ea. 1" Spare

PRECAST EQUIPMENT SHELTER NOTES AND SPECIFICATIONS PROVIDE NEW PRECAST CONCRETE EQUIPMENT SHELTER. EQUAL TO 'OLDCASTLE PRECAST' OF 'ROCKWAY PRECAST'. CUSTOM TAN COLOR SELECTED BY OWNER. SPECIFICATIONS: MINIMUM EXTERIOR DIMENSIONS = 10'-6" WIDE X 16'-6" LONG X 10'-1" HEIGHT. MINIMOM EXTERIOR DIMENSIONS = 10-6 WIDE X 16-6 LONG X 10-1 HEIGHT. 2" OVERHANG AT ALL WALLS. SLOPE ROOF FROM 10'-1" TO 10'-0" FOR RUNOFF. SINGLE ENTRY 3'-6" WIDE X 84" COMMERCIAL DOOR WITH LOUVER AND FILTER. DOOR HARDWARE TO INCLUDE COMMERCIAL GRADE PUSH-TO-EGRESS HANDLE, AND DEADBOLT LOCK WITH INTERNAL KNOB. EQUIPMENT TO BE PROVIDED WITH PRECAST EQUIPMENT SHELTER: REMOVABLE THROUGH WALL AIR CONDITIONING UNITS 2 EACH. PREFABRICATED METAL OR IN PLACE MASONRY EQUIPMENT HEAT LOAD = 7.500 BTU/H BUILDING LOAD = 12,500 BTU/H BUILDINGS ARE NOT TOTAL LOAD = 20,000 BTU/H MINIMUM AC SIZE = 24,000BTU/H = 2.0 TONS 240V 1 PHASE CORD CONNECTION. ACCEPTED SUBSTITUTIONS PROVIDE FIRE SUPPRESSION SYSTEM INCLUDING DETECTORS, HEADS, PIPING, CONTROL PANEL AND SUPPRESSION CANISTERS. CONNECT DETECTION TO EXTERIOR RED LIGHT. PROVIDE CONTACTS FOR CONNECTION TO REMOTE ANNUNCIATION. PROVIDE PHOTOELECTIC SMOKE DETECTOR WITH AUDIBLE ALARM. PROVIDE BLOCK-OUTS IN FLOOR TO ACCOMMODATE CABLE AND DUCT ENTRY. COORDINATE OPENINGS AND DIMENSIONS AT TIME OF SHOP DRAWINGS. PROVIDE ALL ELECTRICAL CONNECTIONS WITH EQUIPMENT. DESIGN LOADS: DESIGN CODE: MATERIALS: PRECAST CONCRETE OPTION LIVE LOAD 250 PSF ROOF LOAD 65 PSF





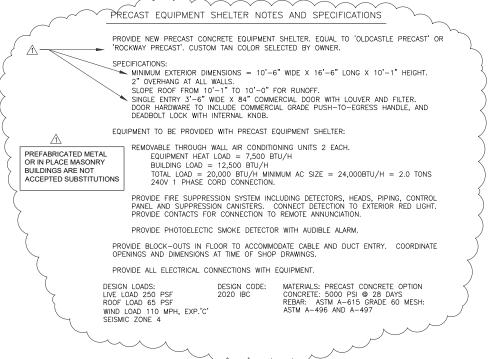
CORPORATED 19

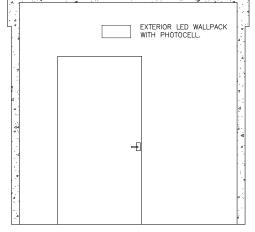
AKE HAVASU CITY MULBERRY WWTP AERATION BASINS, STRUCTURAL AND MCC UPGRADES

PREFABRICATED EQUIPMENT BUILDING

Sheet Number:

E-401 Sheet



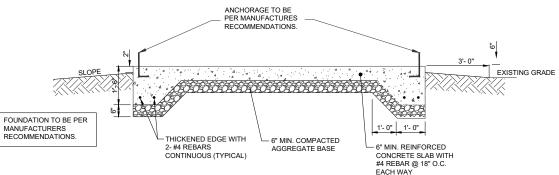


END VIEW

SIDE VIEW

PREFABRICATED EQUIPMENT SHELTER ELEVATIONS





FOUNDATION DETAILS FOR PREFABRICATED EQUIPMENT SHELTER

E-401

FOUNDATION TO BE PER

E-401

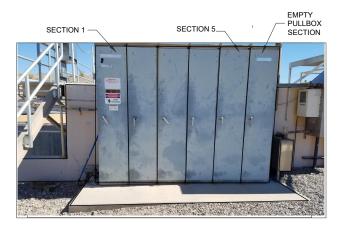


PHOTO 1 - EXISTING MCC-B ELEVATION E-501 NO SCALE

EXISTING PULLBOX FOR FIELD CONDUCTORS. -PROTECT, RE-USE.

EXISTING REMOTE I/O CABINET. TO REMAIN AS TERMINATION CABINET. REMOVE ALL SWITCHES AND HARDWARE. PROVIDE NEW STAINLESS STEEL PLATE TO COVER ENTIRE FRONT DOOR. RETAIN AND REUSE TO FIELD CIRCUITS.

EXISTING SUNSHADE TO REMAIN

PHOTO 2 - EXISTING REMOTE I/O CABINET E-501 / NO SCALE



PHOTO 3 - ELECTRICAL MANHOLE

CONCRETE WALL FXISTING J-BOX MAY REMAIN. CONDUIT/DUCT TO NEW MCC.. EXSTING CIRCUITS TO FIELD PENETRATE TRHOUGH

REMOVE MCC STRUCTURE.

CONCRETE SLAB. PROVIDE JUNCTION BOX ENCLOSURES TO TRANSITION TO NEW CONDUITS TO NEW MCC.

NOTE: ALL CONDUIT ABOVE GRADE TO BE PVC COATED RIGID STEEL CONDUIT.

INSTALL NEW J-BOXES TO TRANSITION TO THE EXISTING FIELD CONDUITS AND BRANCH CIRCUITS. LABEL ALL CONDUCTORS. UTILIZE TERMINATION BLOCKS FOR ALL SPLICES. WIRENUTS AND SPLIT BOLT CONNECTORS ARE NOT ALLOWED.

EXTEND CONDUIT PENETRATING FROM CONCRETE TO J-BOXES. PROVIDE PHYSICAL PROTECTION FOR THESE DUCTS. FABRICATE STAINLESS STEEL METAL COVERS FOR DUCTS. MOUNT TO CONCRETE.

THE EXISTING MCC ENCLOSURE IS PRESENTLY IN THE WAY THE J-BOXES. CONTRACTOR IS TO COORDINATE PHYSICAL REMOVAL OF MCC AND THE INSTALLATION OF THESE NEW J-BOXES. PROVIDE INTERIM TEMPORARY BRANCH CONDUCTORS FOR ANY AND ALL FIELD CIRCUITS UNTIL THE EXISTING MCC IS REMOVED. PROVIDE PHYSICAL PROTECTION OF THESE INTERIM TEMPORARY BRANCH CIRCUITS, SUCH AS PVC CONDUIT OR PVC COATED FLEXIBLE STEEL CONDUIT. CIRCUITS MAY BE COMBINED IN THE INTERIM DUCTS.

J-BOX ELEVATION DETAIL AT EXISTING MCC E-501 NO SCALE



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LAKE HAVASU CITY MULBERRY WWTP AERATION BASINS, STRUCTURAL AND MCC UPGRADES

EXISTING CONDITION PHOTOGRAPHS



Sheet Number: E-501

Sheet

E-501 NO SCALE



Questions & Answers

Mulberry WWTP Aeration Basin, Structural and MCC Upgrades Project No.: PW-107018-500388

Date Issued: July 19, 2023

A Non-Mandatory Pre-Submittal meeting was held for this IFB on July 12, 2023. All inquiries were due in writing no later than July 14, 2023.

Questions Received:

- 1. There appears to be a gap on the drawings between each steel plate. Is this to be left opened?
 - A. Yes, the gap was provided to accommodate the thermal expansion of the stainless steel plates.
- 2. There seems to be a conflict on the actual overall dimension of each steel plate. On page M-03 we see a note that states they are 8' feet long but the plan view shown shows dimensions that equal on 7'. Which is it?
 - A. The correct length of the plates is 8 ft. The steel plate installation detail on Sheet M-03 is now corrected. See Addendum No.1.
- 3. Sheet E-401; Is a metal building an option instead of precast? A. No.
- 4. Sheet E-401; Is a masonry building an option instead of precast? A. No.
- 5. Sheet E-401; Oldcastle Precast Model #1122 is not offered anymore.
 - A. Modified the precast notes, see Addendum No.1.
- 6. Door is called out as 4' wide but no height given 7' or do you need a 1' transom added?

 A. Door height is now added to the Sheet E-401, see Addendum No.1.

- 7. Can it be an option to supply the Engineered Prefabricated Building with a floor consisting of prescribed block outs for conduits?
 - A. Yes, see notes on Sheet E-401.
- 8. Sheets E-302, E-401; Building layout show Panel B but on the one-line diagram is shown as Panel S. I think it was just a typo on the building layout & should be Panel S please confirm.
 - A. On Sheet E-401, "Panel B" is now renamed as "Panel S". See Addendum No.1
- 9. Sheets C-02, M-01, M-02; On Sheet C-02 Site Plan it indicates and points to Aeration Basin No 2 as "AERATION BASIN REHABILITAION WORK UNDER THIS PROJECT". Yet on Sheets M-01 and M-02 you show both Basin No. 1 and number 2 requiring work. Will both basins require work to be performed as shown on M-01 and M-02?
 - A. Yes, rehabilitation work shall be performed on both Aeration Basins No.1 and No.2, see Addendum No.1.
- 10. Is it the intent of the project to place a continuous Stainless Steel cap around the perimeter of each tank? (no dimensions are shown of total length)?
 - A. Yes, the intent of the project is to install stainless steel plates continuously on top of each basin. A call out on Sheet M-02 indicates there will be 50 8' long plates.
- 11. When was the last time the Bearing Shim Plate was changed?
 - A. The Aeration Basins No.1 and No.2 were constructed in 1992 and 2003, respectively. The existing bearing shim plates were installed as part of the original construction.
- 12. Steel Plate Installation Detail 1/ M-02 M-03; can we modify the work and assembly to achieve the cities intentions?
 - A. No alternative approaches shall be considered at this time. As per the Contract Documents, alternates may be considered once the bid is awarded.
- 13. Steel Plate Installation Detail 1/ M-02 M-03; Has the city performed any GPR to help with the installation of this Detail?
 - A. No.
- 14. Please confirm Actual diameters and thickness of the tanks (already stated is it true to drawings)
 - A. As shown on Sheet M-01; the Aeration Basins are 126' in diameter and the wall thickness is 12". However, the CONTRACTOR has to field verify the dimensions.
- 15. Overall condition to the top of the tanks as well as the affected work areas (the sides) we will be welding / drilling. How bad are they?
 - A. Overall, the basins' walls are relatively in good condition.

- 16. Please provide additional information on the tanks, such as Elevations to top of tanks, will we get some elevation views?
 - A. See attached as-built drawing from the original construction of the aeration basins. This sheet is provided for information purposes only.
- 17. Please confirm access to the work site all the way around each clarifier.
 - A. A pre-bid and walk-thru was conducted for all interested parties to evaluate the access around the basins.
- 18. Please confirm actual hours we would be allowed to work once onsite.
 - A. Work Hours are now included in Specification Section 01030 SUMMARY OF WORK, see Addendum No.1.
- 19. Will the tanks be GPR for rebar.
 - A. No.
- 20. What are the requirements for contact with rebar once we start drilling the tank walls?
 - A. There are no special requirements if rebar is present.
- 21. Please clarify the welded areas required on the Stainless Steel Plate atop the two basins.
 - A. See Section A on Sheet M-03.
- 22. Are Xray and radiographic tests required and in what frequency on the welds? (Per the attached Reference).
 - A. No Xray and radiographic tests are required. However, the ENGINEER's welding inspector will perform a visual inspection of the welds.
- 23. Stainless Cap Installation in area between both tanks; where there is no access to the face of tank and through drilling for bolt holes will not work, can wedge anchors be considered?
 - A. Yes, concrete wedge anchors installation is acceptable where the exposed face of the basin is less than 8" depth. See Addendum No.1
- 24. What will the effluent level be in each basin during construction, and will the aeration traveler be stationary?
 - A. During the construction, the subject aeration basin will be drained and the bridge drive will kept out of service. See Specification Section 01040 – ORDER OF CONSTRUCTION.
- 25. The uniformity in the width of the concrete basin tops varies from the 12 inches stated. How shall we compensate for the stainless steel fabrication width?
 - A. The new stainless steel plates shall be centered on the existing aeration basins' wall and the width shall be fixed at 12" of the plate. However, the Contractor shall field verify all dimensions prior to the fabrication of the stainless steel plates. Any significant deviations will be addressed during construction.

- 26. Per the bid documents, the project has a 240-day completion. Motor Control Centers are currently at 36–52-week lead times depending upon the manufacturer. Will the completion date be extended to accommodate these lead times.
 - A. The project duration time is 240 days. Prior to issuance of the Notice to Proceed (NTP), CONTRATCTOR shall coordinate with the CITY/ENGINEER on any long lead items delivery that would impact the project schedule. Proper documentation shall be submitted to the CITY/ENGINEER for review and approval. If necessary, a separate NTP will be issued for the materials procurement only prior to the construction NTP.

END OF DOCUMENT

