

Kyle - Wastewater Treatment Plant Expansion			
Leonhard Euler	Bernoulli Inc	10/16/2019 10:44 PM 10/17/2019 1:18 PM	donde estan los planes Plans are uploaded in the Docs section of CivCast.
GILBERT D. Cabeldue	T MORALES COMPANY	10/17/2019 11:51 AM 10/17/2019 1:20 PM	Please reference specification section 26 32 13-page 11 of 24, 2.2 A 1. a.b. Will you accept other manufactures for the standby generator sets? Please advise? Those listed are the only manufacturers the Owner and Engineer have approved for this project; no other manufacturers will be considered.
GILBERT D. Cabeldue	T MORALES COMPANY	10/17/2019 12:21 PM 10/17/2019 1:20 PM	Please reference specification section 26 29 23-page 10 of 21, 2.2,1. Will other manufactures be accepted, example, SqD, Eaton Cutler Hammer or GE? Please advise? Those listed are the only manufacturers the Owner and Engineer have approved for this project; no other manufacturers will be considered.
Tom Ellis	Ferguson WW Plant Div	10/17/2019 2:05 PM 10/18/2019 9:33 AM	Can you confirm this is not a Buy America or Texas Water Board project requiring all domestic material. Thanks This is not a Buy America or Texas Water Board project. All domestic material is not required.
GILBERT D. Cabeldue	T MORALES COMPANY	10/18/2019 3:07 PM	Please see section 00 32 00-page 1 of 1 "Bid Equipment and Components" form. See Diesel Engine Generator(26 32 13). Option is given for Caterpillar, Cummins and Kohler. Please revise to reflect only manufacture listed in specification and response to question #2. Please advise?
George Tamez	T Gray Utility & Rehab Co.	10/18/2019 3:54 PM 10/21/2019 11:15 AM	sht 43 note 4, calls for interior protective coating in concrete structures; which spec section applies to protective coating requirements including phys properties, approved brands, thickness etc... The applicable specification is Section 09 90 00 (Painting), Article 4.2 (Paint Schedule), where the row "Precast Concrete and Cast-in-Place Concrete" indicates F and H codes are applicable to the ceilings and walls for the referenced structures in this section and on the drawings.
Dave Williams	Ferguson Waterworks	10/21/2019 3:26 PM	Ref Spec 33 05 33 - Will you allow MJ C153 Compact Fittings for sizes 30" - 48"? And Spec 33 05 53 - Will you allow MJ C153 Compact Fittings for all size ranges?

Kyle - Wastewater Treatment Plant Expansion

		10/22/2019 9:10 AM	MJ C153 compact fittings are allowable for all size ranges as part of Section 33 05 33.
Dave Williams	Ferguson Waterworks	10/21/2019 3:28 PM	Ref Spec 40 05 07. 2.1 D. 1. Please verify if there is any lining required other than Cement Lining. The pipe schedule on plan page 21 doesn't list any pipe linings.
		10/22/2019 9:19 AM	Supply DIP and fittings with asphaltic liner per Article 2.1.D.1.a of Section 40 05 07.
Dave Williams	Ferguson Waterworks	10/21/2019 3:30 PM	Ref Plan Page 21 Buried Pipe Schedule Note #2. Please verify if a Wedge Action Restraint (Megalug type) will be acceptable for the required restrained joint on all buried fittings.
		10/22/2019 9:52 AM	Wedge-action components can be used to restrain buried fittings' joints.
Jim Horton	Ferguson Enterprises	10/22/2019 5:07 AM	Drawing 23, Enlarged yard piping plan - 2, is showing the 48" SS line going from the Influent Junction Box over to the Headworks structure. We do not see this " SS " line listed in the pipe schedule on drawing 21. Please clarify the type of pipe to provide for the SS line.
Jim Horton	Ferguson Enterprises	10/22/2019 5:08 AM	Is there a valve schedule for the project? We see a valve schedule referenced in several locations in the specifications.
		10/23/2019 7:27 AM	There is not a schedule for Section 40 05 23, Process Valves and Actuators.
Jim Horton	Ferguson Enterprises	10/22/2019 5:09 AM	Is there a pipe schedule for the exposed and interior piping?
		10/23/2019 7:28 AM	There is not a schedule for Division 40 piping specification sections.
Jim Horton	Ferguson Enterprises	10/22/2019 5:17 AM	Section - C on drawing 44 is showing the inlet wall pipe at the Headworks Structure. The wall pipe is drawn with a single vertical line at the connection point. Reading in the specifications section - 40 05 14, 2.2, A, Wall and Floor Pipe, 2, it states that the end connections shall be as shown on the drawings. The single vertical line shown in the section view does not indicate the type of joint to provide. Please review and clarify the type of pipe joint to provide for the wall pipe.

Kyle - Wastewater Treatment Plant Expansion			
Jim Horton	Ferguson Enterprises	10/22/2019 5:27 AM	Looking at the wall and floor penetration details on drawing 132, we see penetrations for existing walls and slabs with pipe, C.I. wall sleeve and a cored hole with a link seal set. There is a wall penetration with a C. I. sleeve and link seal set for what appears to be for new walls. We have not found a detail for a wall pipe for new construction walls. Please review and provide a detail for new wall pipe.
		10/23/2019 8:12 AM	Wall and floor penetration details for new construction match those shown for existing walls and floors, but without the exterior non-shrink grout.
Jim Horton	Ferguson Enterprises	10/22/2019 5:35 AM	Specification section - 40 05 14, 2.2, Wall and Floor Pipes and Pipe Sleeves, B, Pipe Sleeves, 1, states that pipe sleeves shall be ductile iron. We note the wall penetration detail on sheet 132, Wall Penetration Compressible Rubber Link Type, is indicating the sleeve can be C. I., steel or high impact thermoplastic materials. We do not find steel or the high impact thermoplastic material indicated in the specifications. Is the Century-Line HDPE wall sleeve acceptable for the project? Please review and clarify
		10/23/2019 8:13 AM	Century-Line HDPE wall sleeves are acceptable for this project.
Jim Horton	Ferguson Enterprises	10/22/2019 5:51 AM	The pipe schedule on drawing 21 is indicating that the buried ductile iron pipe is to be either pressure class 250 or 350 based upon the size. Reading in the specifications, section - 33 05 33 - 2, 2.1, A, we see that the ductile iron pipe is indicated to be either thickness class 51, 52 or 53 based upon the size. Please review and clarify the ductile iron rating to provide for the project.
		10/23/2019 8:14 AM	Supply DIP per Pressure Class 250 or 350, as applicable for pipe diameter.
Jim Horton	Ferguson Enterprises	10/22/2019 6:00 AM	Reading in specification section 33 05 33 - 4, 2.1, C, 3, Ball and socket joint pipe is described. Is there a particular process line or lines, in this project that requires this type of pipe? We do not see this indicated in the buried pipe schedule Please review and clarify.
		10/23/2019 8:15 AM	Ball and socket joint pipe is not required for this project.
Jim Horton	Ferguson Enterprises	10/22/2019 6:16 AM	Drawing 43 is showing section - A, and the Influent Pump. Looking at the section view, it appears that there is a flange reducer connected to the pump discharge. Reading in the Influent Pump specification section - 43 21 22, 3.5 Pump Schedule we see that it indicates a minimum pipe connection size of 12". Please review and clarify the discharge piping for the four influent pumps.

Kyle - Wastewater Treatment Plant Expansion

		10/23/2019 8:52 AM	Should pump discharge elbow (supplied by pump manufacturer) vary from 12" diameter, reducer will be required. Otherwise, reducer shown will be a 12" spool piece for each pump.
Jim Horton	Ferguson Enterprises	10/22/2019 6:30 AM	Reading in specification section - 40 05 03 - 3, 2.2, A, 3, b, Submerged Service, it indicates that for bolts 1 2/4 inches in diameter and larger, bolt studs with a nut on each end are recommended. Please review and clarify the diameter of the bolt.
		10/23/2019 8:59 AM	Revise diameter reference to 1-3/4" (matching the diameter of nonsubmerged service bolts referenced in 2.2.A.3.a).
Jim Horton	Ferguson Enterprises	10/22/2019 6:37 AM	We do not see the SW pipe listed in the buried yard piping schedule on drawing 21. Please review and clarify.
		10/23/2019 9:58 AM	Information for SW piping, which includes flanged above-grade at Influent Lift Station (ISL) and buried pipe to Aeration Splitter Box (ASB), and buried from ASB to two existing package plants (PP): Pipe ID SW Designation Screened Wastewater Diameter (in) 12, 18, 24 Material DIP PC 250/350 Buried Joint PO Buried Fitting MJ Restrained Joint Length ILS to ASB segment, 25 ft (horizontal and vertical) Operating Pressure ILS to ASB segment, 25 psi; ASB to PP segment, 10 psi Test Pressure ILS to ASB segment 40 psi; ASB to PP segment 25 psi
Jim Horton	Ferguson Enterprises	10/22/2019 9:12 AM	Specification section - 40 05 23 - 7, 2.2, D - Plug Valves, lists one valve as eccentric, non-lubricated and having an 80 percent port opening. Then there is a second listing for a full port plug valve. We do not know where each type of valve is to be provided. Please review and clarify where 80 percent port valves are to be installed and where 100 percent port valves are to be installed.
		10/23/2019 9:59 AM	Provide full-port (100% opening) plug valves in all applications.

Kyle - Wastewater Treatment Plant Expansion			
Jim Horton	Ferguson Enterprises	10/22/2019 10:44 AM	Do pipe going through concrete slabs on grade require a pipe sleeve? Can expansion joint material be used to wrap around the barrel of the pipe? We do not see a detail of a slab on grade pipe penetration. We see the details on drawing 132 for existing wall and slab sleeve but we assume those are meant for suspended concrete floors. Please review and clarify.
		10/23/2019 10:16 AM	Piping through SOG requires DIP wall pipe with seep ring (matching detail for existing wall/slab closure, without non-shrink grout, and detail for underslab pipe encasement).
Jim Horton	Ferguson Enterprises	10/22/2019 10:54 AM	Section - E on drawing 43 at the Headworks Structure is showing two 12" flanged gate valves. We looked in the specifications but did not find a paragraph describing flanged gate valves. Please review and provide a specification description for the flanged gate valves.
		10/23/2019 10:19 AM	Provide two full-port plug valves instead of the gate valves.
Jim Horton	Ferguson Enterprises	10/22/2019 12:55 PM	Looking at section - B on sheet 43, we see the 6" air release valve in the SW discharge header pipe. The air release valve is drawn as being a dual body type. Reading in specification section 40 05 23 - 11, 2.2, I, the description does not mention the valve being a dual body type. We do not see any mention of the air release valve having a flushing connection. Is a flushing connection needed for this sewage service valve? Please review and clarify this air release valve at this location.
		10/24/2019 7:44 AM	Provide the ARV per Section 40 05 23. with flushing connection.
Jim Horton	Ferguson Enterprises	10/22/2019 1:30 PM	Section - A on drawing - 43 is showing the vent pipe coming off of the top of the small air release valve on the combination air release valve assembly. The section is showing a 1/4" copper drain tube. We looked at a Val-Matic combination dual body air release valve and the outlet on the top of the small valve was indicated to be 1/2" size. Since the specifications do not specify a particular air release valve we are assuming which valve to provide. Is it your intention to reduce the vent outlet down to 1/4" as shown on the section view? Please review and clarify the size of the vent drain line to provide for these combination air release valves.
		10/24/2019 7:45 AM	Provide 1/2" vent drain line.

Kyle - Wastewater Treatment Plant Expansion			
Jim Horton	Ferguson Enterprises	10/22/2019 2:52 PM	Looking in the pipe schedule on sheet 21, we see the line for DR - Drain piping. In the restrained joint length column, there are no distances indicated. Reading note # 2 below the schedule, it states to provide restrained joint fittings on all buried pipe. Are we to provide restraints only where there is a distance indicated in the schedule? Please review and clarify which lines are to be restrained.
		10/23/2019 1:21 PM	Drain piping does not require mechanical restraint in addition to fitting blocking. Only piping with a length in feet on the schedule requires restraint joints. Provide restraint on all joints within that distance, both before and after the fitting.
Tom Ellis	Ferguson WW Plant Div	10/22/2019 3:05 PM	Follow up to question 26, are we to follow the new joint restraint requirements issued by the City of Austin issued effective Oct 1, 2019? <ul style="list-style-type: none"> •WW-27A, Joint Restraint Devices for Ductile Iron Pipe (Revised existing SPL) •WW-27A-01, Joint Restraint Devices for MJ Bell Connections (New SPL) •WW-308C, Joint Restraint Devices for PVC Pipe (New SPL) -
		10/23/2019 1:22 PM	Use the requirements of this project.
Jim Horton	Ferguson Enterprises	10/22/2019 3:18 PM	We see the six mud valves in the bottom of the channels in the Headworks Structure. Looking at section - D on sheet - 45, we see four of the mud valves. There are no extension stems shown in this section view. Is it up to the mud valve supplier to design the extension stem and supports for the guides? We assume that there will have to be an opening in the grating to access the top of the extension stem for the center channel with the manual bar screen. We are looking at the distance from the slide gate over to the mud valve. Projecting that distance up to the operating level, it appears that that is in the edge of the automatic bar screen and compactor support beam. Please review and clarify the configuration of the mud valve extensions.
		10/24/2019 7:56 AM	Mud valves are to be provided with operating stems that terminate in operator nuts, with their tops flush with operating floor elevation (concrete or grating). Location will be dimensioned so stem is in center of space between screen channel gate and press pad. One additional mud valve will be added to drain the bypass channel.

Kyle - Wastewater Treatment Plant Expansion			
Jim Horton	Ferguson Enterprises	10/22/2019 3:35 PM	Drawing - 41 is showing the channel level of the Headworks structure. We see key note # 2, which is a 6" flanged rubber duckbill check valve in the Influent Wetwell No- 1. We searched through the specifications but did not find a specification section describing a rubber duckbill check valve. Please review and provide a paragraph describing the ductbill check valve required for the project.
		10/24/2019 8:13 AM	Provide Tideflex Series 35 flanged check valve, with EPDM body, and Type 304 stainless steel Class 150 flange and mounting hardware.
Jim Horton	Ferguson Enterprises	10/22/2019 3:49 PM	Drawing 42 is showing a 4" NPW water line coming into the building and extending along the east wall of the Operating floor level at the Headworks Structure. We do not know what pipe material to provide for this pipe. There is no indication on the plan sheet and we do not have a pipe schedule to find the pipe material. Is the pipe to be flanged ductile iron or is it to be schedule 80 PVC pipe? Please review and clarify the NPW pipe in the Headworks building.
		10/24/2019 8:19 AM	Provide Schedule 80 PVC pipe for the NPW piping in the Headworks, including the 4" header, two 2" screen/compactor feeds, and smaller-diameter connections as required by the screening and compactor equipment supplied.
Jim Horton	Ferguson Enterprises	10/22/2019 3:55 PM	Drawing 42 is showing a 4" NPW water line coming into the building and extending along the east wall of the Operating floor level at the Headworks Structure. We do not see any elevation indication for this line. Looking at section - C cut through this area does not show the NPW water line. Please review and clarify the elevation of the 2" and 4" NPW water lines.
		10/24/2019 8:21 AM	Install 2" and 4" NPW lines at centerline elevation 615.5.
Jim Horton	Ferguson Enterprises	10/22/2019 4:15 PM	Drawing 42 at the Headworks Building is showing NPW, HB - hose bibbs out side along the west side of the upper exterior floor slab. There are also two NPW, hose bibbs shown inside the east wall of the Headworks Building. There is no indication as to what size hose bibbs to provide. We did not find a detail showing the installation for hose bibbs. We did find hose bibbs described in the Plumbing specification for Domestic Water Piping Specialties, section - 22 11 19 - 3, 2.6. It indicates the supply sizes can be either 1/2" or 3/4" with a 1/2" garden hose thread outlet. It also includes a vacuum breaker which would apply to a potable water service line. But this is a NPW water service line. Please review and clarify the hose bibbs to provide inside the building.
		10/24/2019 8:36 AM	Provide 3/4" hose bibbs, 30 ft of 3/4" hose, and aluminum hose rack at both locations inside headworks. Vacuum breakers are not required.

Kyle - Wastewater Treatment Plant Expansion			
Jim Horton	Ferguson Enterprises	10/22/2019 4:18 PM	Drawing 42 at the Headworks Building is showing NPW, HB - hose bibbs out side along the west side of the upper exterior floor slab. Since these are outside of the building should these be yard hydrants rather than hose bibbs? Please review and clarify the exterior hose bibbs.
		10/24/2019 8:39 AM	Provide yard hydrants instead of hose bibbs in the two locations on the west edge of the lift station's concrete slab.
Jim Horton	Ferguson Enterprises	10/23/2019 8:14 AM	Drawing 42 is showing (8) guard posts at the Headworks Building. Key note # 17 states they are to be per standard detail. We have looked through the plans and have not been able to find a detail of the guard post installation. Please provide a detail.
		10/23/2019 1:03 PM	Sheet 133 shows guard post requirements.
Jeff Scott	Archer Western Constructic	10/23/2019 8:19 AM	Can a door schedule be added for the Aeration Blower Building? These doors are mentioned in the Metal Building spec, but the Metal Building suppliers will not supply personnel or overhead doors.
		10/24/2019 8:59 AM	Provide two single and one double exterior hollow-metal person doors (per Section 08 11 13, Article 2.4), one interior hollow-metal person door (per Section 08 11 13, Article 2.3), and one rollup door (per Section 08 33 23), as dimensioned on Sheets 62 and 64.
Brandon Ballengee	PLW Waterworks, LLC	10/23/2019 8:41 AM	Is a 1- or 2-year maintenance bond required for this project? 5.4.4 of the GC's references a maintenance bond but does not indicate whether a maintenance bond is required or not and does not specify duration.*
Brandon Ballengee	PLW Waterworks, LLC	10/23/2019 8:42 AM	Please confirm surety may use their own bid bond form as none is provided in the bidding documents.*
		10/23/2019 12:54 PM	Use of a form that conforms with State Law for municipal public works projects is acceptable.
Brandon Ballengee	PLW Waterworks, LLC	10/23/2019 8:42 AM	Article 5 of the Supplemental Conditions lists the only required insurance as being Auto, WC/Employers Liability and Commercial General Liability. Is Builder's Risk/Property Insurance not required? Is Owner purchasing Builder's Risk/Property Insurance?*
Brandon Ballengee	PLW Waterworks, LLC	10/23/2019 8:42 AM	Please provide actual physical address or exact coordinates of project site for insurance and bonding purposes. Our insurance carrier is unable to model coverage without this information. *

Kyle - Wastewater Treatment Plant Expansion

		10/23/2019 1:34 PM	Address: 941 New Bridge Drive, Kyle TX 78640
Brandon Ballengee	PLW Waterworks, LLC	10/23/2019 8:43 AM	Please confirm there is no MWBE goal on this project*
		10/23/2019 12:55 PM	No MWBE goal is required on this project.
Brandon Ballengee	PLW Waterworks, LLC	10/23/2019 8:43 AM	When is RFI cut off date?*
		10/24/2019 9:00 AM	Date will be defined at prebid meeting.
Jim Horton	Ferguson Enterprises	10/23/2019 9:01 AM	Drawing 58 is showing the Aeration Splitter Box. We see the callout for an 12" OF - overflow pipe in the plan view. We do not see this OF pipe in any of the section views. There is no indication of the elevation for the top of the OF pipe. Is the OF pipe to be a plain end piece of pipe? Is the pipe to have a flanged flare fitting at the top? Please review and provide a section view of the pipe.
		10/24/2019 9:11 AM	Provide vertical overflow pipe with plain end located at elevation 623.0.
Jim Horton	Ferguson Enterprises	10/23/2019 9:21 AM	Drawing 58 is showing the Aeration Splitter Box. We see the hose bibb up on the upper deck level. We see the callout for a buried 2" NPW water line coming up to the structure. Does the 2" NPW pipe extend up to the upper deck level? What size hose bibb is needed at this location.
		10/24/2019 9:15 AM	Schedule 80 PVC 2" NPW line extends vertically along splitter box wall exterior to service 3/4" hose bibb, to be supplied with 20' of hose and aluminum hose rack.
Jeff Scott	Archer Western Constructic	10/23/2019 9:26 AM	Drawing 13 appears to show new security fence around the entire perimeter of the site. There also appears to be existing fence along the top (NW) of the site, and there is a call out stating "Security Fence (Ex. Fence to Remain)". Is there actually new fence at the top of the site, or are we connecting new fence to the existing at the left and right limits? If we are installing new fence, does it go right against the existing fence?
		10/24/2019 9:32 AM	The existing residential wood fence is to remain, with the new security fence installed paralleling it, and minimum spacing between the two as required to install the new fence.
Jim Horton	Ferguson Enterprises	10/23/2019 9:26 AM	Drawing 51 is showing the Aeration Basin. We see the two hose bibb up on the walkway deck level. We see the callout for a buried 2" NPW water line coming up to the structure on the left side of the layout. Does the 2" NPW pipe extend to the right side or east end of the walkway at the second hose bibb? What size hose bibb is needed at this location?

Kyle - Wastewater Treatment Plant Expansion

Jeff Scott	Archer Western Constructic	10/23/2019 9:33 AM	Can a detail/elevation be provided for the automatic slide gate shown on sheet 13?
Jim Horton	Ferguson Enterprises	10/23/2019 9:56 AM	Aeration Basin Influent Pipe : Drawing - 53 is showing the enlarged area of the west end of the Aeration Basin. The plan view layout is showing the 18" SW pipe connecting to the influent chamber with a flanged 90 degree bend fitting. This 90 bend fitting would have to be a flange by MJ 90 bend. Then looking at the section view of this influent chamber in section - A on drawing - 54, we see the 18" SW pipe turning up and extending to the Aeration Basin influent chamber with a MJ 90 degree bend fitting and a short piece of pipe which connects to the wall pipe. Which layout are we to use? Please review and clarify which layout is correct.
Brandon Ballengee	PLW Waterworks, LLC	10/23/2019 10:02 AM	00 48 00 Notice of Award indicates that Awarded Contractor must execute the agreement and furnish required bonds and certificates of insurance within 10 calendar days of receipt. However, Article 2, Section 1 of 00 70 00 states that, "Within five (5) Working Days after written notification of award of Contract, CONTRACTOR shall deliver to OWNER signed Agreement, Bond(s), Insurance Certificate(s) and other documentation required for execution of Contract". Please clarify the expectation. *
		10/23/2019 12:57 PM	Use Section 00 48 00 referenced duration of 10 days.
Robert Larrabee	R Bruce Consulting	10/23/2019 10:17 AM	Could Val-Matic Plug Valves be approved for this project?
Brandon Dalton	CC Lynch & Associates, Inc.	10/23/2019 10:45 AM	Spec section 41 33 34 - Sampler Equipment- 1.2.A Indicates that the influent sampler will be located in a Class 1 Div 2 area. Note that the specified samplers are not rated for hazardous areas. 1.2.A Indicates that the effluent sampler shall be installed in a weather enclosure suitable for outdoor installation. I don't see a spec for an enclosure. Is the Plasti-Fab Model 4B acceptable. 1.3.D Names the Isco 3710FR. This model has been discontinued and replaced by the Isco 5800. Please confirm that this model is acceptable. 2.3.A Requires two 5.5-gallon bottles. Is the intent to use a single bottle and have a second bottle as a spare or do you want the sampler to use a 2-bottle configuration with both bottles installed at the same time?

Kyle - Wastewater Treatment Plant Expansion

Jeff Scott	Archer Western Constructic	10/23/2019 10:51 AM	Sheet 20 - Can a schedule be provided stating the types of plants and shrubs required and a quantity for each? Can a spec be provided for the grass and drivable pavers? Is any permanent irrigation required for this area?
Jim Horton	Ferguson Enterprises	10/23/2019 11:00 AM	The RAS pipe in the Aeration Basin is shown in section - B on drawing 55, as having a flange 45 deg. bend fitting with a flange by PE - plain end. We do not know of any one that makes a cast flange by plain end 45 degree fitting. Is it your intention to have a ductile iron grooved end 45 degree bend fitting with a grooved flange adapter on the side that connects to the flanged plug valve? This would essentially provide the plain end. Would a standard flanged 45 degree bend fitting be acceptable at this location? Please review and clarify.
GILBERT D. Cabeldue	T MORALES COMPANY	10/23/2019 1:29 PM	Will you please consider a bid date extension? Can we discuss at prebid Please advise?
		10/24/2019 9:00 AM	Extension will be discussed at prebid meeting.
Jim Horton	Ferguson Enterprises	10/23/2019 3:09 PM	We are looking at the ALP piping on the Aeration Basins. We notice the pipe appears to be drawn with some flanged joints at the 90 bends and tee fittings. We see the butterfly valves in the air header that extends down the basins that appear to have flanged connections. Reading through the Carbon Steel Process Piping section - 40 05 05, Part - 2, C, Joints, it has welded, threaded or grooved types. There is no mention of flanged joints. There is no description of the type of flanges to provide in the piping. It is your intention to have grooved type couplings in the pipe joints and flange adapters at any valves? Please review and clarify the fabricated steel air piping system.
Jim Horton	Ferguson Enterprises	10/23/2019 4:14 PM	The ALP air piping on the Aeration Basin is showing what appears to be wafer style butterfly valves. Reading in specification section 40 05 23, 2.2, B, Butterfly valves there are two paragraphs. B. 1 - describes an AWWA C504, cast iron body, metal seated valve. The manufacturer reference in subparagraph j, lists M H Valve Co. and a style 1450. This is a flanged body valve. The other paragraph - 2 , is for an AWWA C504, cast iron body valve with a resilient seat. Which one of these valve did you intend to be used in the ALP air piping system? Please review and clarify.

Kyle - Wastewater Treatment Plant Expansion			
Jim Horton	Ferguson Enterprises	10/24/2019 6:59 AM	Reading through specification section - 40 05 05 Carbon Steel Process Piping, we do not find a reference for the type of bolts and nuts to be provided. Are the ASTM A 307, Grade B bolts and nuts referenced in section 40 05 03 - Process Piping Basic Requirements acceptable for the ALP system?
Jim Horton	Ferguson Enterprises	10/24/2019 7:17 AM	Reading in the butterfly valve specification paragraph - 40 05 23 - 5, 2.2, B, 2, I, we see that lever operators are mentioned. There is no indication as to what size valves that lever operators can be provided. Please review and clarify what size valves can have lever operators.
Brandon Ballengee	PLW Waterworks, LLC	10/24/2019 3:59 PM	On Sheet 94 in the PLAN Drawing, Key Note 4, is for a SST Slide Gate. Specification Section 40 05 24 Slide, Sluice, and Weir Gates doesn't show this in the schedule. Is this Slide Gate to be in accordance with 40 05 24? Please Advise.*
Brandon Ballengee	PLW Waterworks, LLC	10/24/2019 4:00 PM	Sheet 91 shows 3 Aerobic Digester Blowers, M-9-1, M-9-2, M-9-3; however, Specification Section 44 52 56 Aerobic Digesters Positive Displacement Blowers indicates a number of 4, per 44 52 56.4.3.A. Please Advise.*
		10/27/2019 12:10 PM	Provide three Aerobic Digester Blowers.
Brandon Ballengee	PLW Waterworks, LLC	10/24/2019 4:00 PM	Specification Section 43 21 55 Non-Potable Water Centrifugal Pumps, as shown in Specification Section 00 32 00 Bid Equipment and Components, appears to be missing from the documents. Please provide missing Specification.*
Brandon Ballengee	PLW Waterworks, LLC	10/24/2019 4:00 PM	With regard to 00 40 00 Statement of Bidder's Experience, Attachments G- Current Projects and Attachment H- 5 years of worth of completed Projects: Given the volume of projects requested, can bidder use their own current and completed project listings in a different format, as long as they contain the required elements of the City's forms for Attachments G H?*
		10/27/2019 12:11 PM	Use of bidder's forms is acceptable to define Bidder's Experience.
Brandon Ballengee	PLW Waterworks, LLC	10/24/2019 4:01 PM	With regard to the twelve comparable projects required by owner. In order to demonstrate best similar, comparable projects based on the criteria provided there may be overlap with one project being the best illustration for more than one experience category. Is this acceptable? *
		10/27/2019 12:12 PM	Yes, this type of project experience overlap is acceptable.

Kyle - Wastewater Treatment Plant Expansion			
Jim Horton	Ferguson Enterprises	10/24/2019 4:02 PM	In a couple of the responses regarding NPW hose bibbs on the Headworks and the Aeration Basin Splitter Box, they have indicated that the hose racks are to be aluminum. The hose rack detail on drawing 131 is showing it to be made with some grade of stainless steel. Are some racks to be aluminum and some to be stainless steel? Please review and clarify the hose rack materials.
		10/27/2019 12:18 PM	Aluminum or Type 304 stainless steel hose racks are acceptable. Supply hose racks made of one material and install throughout the WWTP.
Jim Horton	Ferguson Enterprises	10/25/2019 6:46 AM	Drawing 53 is showing the influent area of the Aeration Basin. We see the 12" RAS line coming into the basin and extending across to the left side into basin 1B. We see that the line is showing a blind flange at the last tee fitting. Then there is a wall pipe with blind flanges for future expansion. Looking at the P ID layout on sheet - I-0304, we see that a plug valve is shown at this location and the pipe extends over to the wall pipe. Please review and clarify if the plug valve and spool piece of pipe is to be provided.
Jim Horton	Ferguson Enterprises	10/25/2019 7:33 AM	Drawing 62 is showing the Blower Building and the air pipe going through the metal building walls. We see the wall penetrations but there is no reference for a detail of the pipe penetration. The wall penetration details on drawing - 132 appear to be for concrete walls. Please review and clarify the wall penetration detail for the metal building walls.
Jeff Scott	Archer Western Constructic	10/25/2019 8:19 AM	Looking through the LV Switchboard spec section 26 24 13 it states that GE, ASO, SQ'D, and Siemens are the approved manufacturers. If ESS Metron quotes the LV Switchboards using a circuit breaker from one of the manufacturers listed are we OK to quote and supply the LV Switchboards?
Jim Horton	Ferguson Enterprises	10/25/2019 8:36 AM	Reading in specification section - 40 05 14 - 4, 2.3, D, Coatings, 1, it states that steel items shall be hot dipped galvanized at the factory unless otherwise noted on the drawings. Looking at the riser bracket detail on sheet - 132, it indicates in note 1, that the steel shall be hot dipped galvanized. Then looking at the blower pipe support detail, it has a callout for this post support to be shop primed and painted. Looking on sheet 131, in the maximum unsupported pipe span schedule, in note - 6, it states that miscellaneous metal fabrications shall be welded construction, 304 stainless steel, unless noted otherwise. We are not sure which finish or materials to use for the supports on the project. Please review and clarify what materials and finish to provide for the different locations or service areas.

Kyle - Wastewater Treatment Plant Expansion

Jeff Scott	Archer Western Constructic	10/25/2019 8:38 AM	Where can the spec for the automatic slide gate operators be found?
Jim Horton	Ferguson Enterprises	10/25/2019 9:43 AM	Does the hose bibb inside the Blower Building require a hose rack and hose? Ref. drawing - 62.
		10/27/2019 12:24 PM	Provide rack and hose (20' length minimum).
Robert Larrabee	R Bruce Consulting	10/25/2019 9:51 AM	Could Val-Matic Check Valves be approved for this project?
Jim Horton	Ferguson Enterprises	10/25/2019 10:35 AM	Looking at the 24" ML lines coming out of the Clarifier Splitter Box going to Clarifiers no -1 2, it appears that the yard fitting layout needs to be adjusted. The ML line going to Clarifier No - 2 needs to have a MJ 45 bend at the end of the pipe that is coming down from the flanged 45 bend at the wall. This fitting is needed to bring the line back to a level orientation. Is it your intention for the contractors to add whatever pipe or fittings to the project to make the piping work out? Do you need to add the fitting to the drawing? Please review and clarify .
Jim Horton	Ferguson Enterprises	10/25/2019 10:48 AM	Drawing - 68 is showing the Clarifier Splitter Box. Looking on the left side of the structure we see the ML lines extending out for the two future clarifiers. We see the callout for the MJ plugs to be installed at the end of the pipe. The section - C on sheet - 69, cut across these pipe does not show the ends of the pipe. Is it your intention for the ends of the slanting flanged pipe connecting to the flange 45 bend fittings that are connected to the wall pipe, to have a "cap " on the end of them? Should we provide a MJ 45 degree bend fitting on the ends of the pipe and then provide MJ "plugs" in the outlet of the 45 MJ bends? Please review and clarify the piping configuration.
Jim Horton	Ferguson Enterprises	10/25/2019 11:02 AM	Drawing 119 is showing the typical pressure relief valve details for wall and floors. We have looked on the plans but have not seen these hydrostatic pressure relief valves indicated on any of the structures. Please review and clarify if these valve are required for the project.
David Kenley	MGC	10/25/2019 12:54 PM	What are the flows in the existing 30" ss influent line? Where is the nearest existing upstream manhole?
David Kenley	MGC	10/25/2019 12:56 PM	Sheet 119, Detail 1: Are mud slabs required? Is select fill being placed then a mud mat?

Kyle - Wastewater Treatment Plant Expansion

David Kenley	MGC	10/25/2019 12:56 PM	Please confirm 4500 psi concrete is required for the structures.
Jim Horton	Ferguson Enterprises	10/25/2019 2:19 PM	Drawing 68 and 69 are showing the two 10" telescoping valves in the RAS / WAS wetwell. We see that they are drawn having electrical motor actuators. Looking on sheet I - 0306, we see the two valves but there is no indication of any feed back signals. Section - 40 05 23, 2.2, F, does not include a description for the operators. Reading in section - 2.3, Operators, B, Electrical, it describes open / close operators and modulating operators. The section describes limit switches in the motor. There is no mention of the motor operator support stand. We see section - 2.4, D, Floor Stands, which describes a 304 stainless steel, manual crank operated, non-rising type. There is no mention of having an electric motor mounted on the floor stand. Please review and clarify the telescoping valve motor operator and controls.
David Kenley	MGC	10/25/2019 2:49 PM	Please provide a concrete coating schedule by structure for interior and exterior coating requirements. The spec implies that all concrete structures are to be coated.
David Kenley	MGC	10/25/2019 3:08 PM	Sheet 119 has a detail for pressure relief valves but we do not see them indicated on any structures. Please indicate if and where they are required.
Jim Horton	Ferguson Enterprises	10/25/2019 3:28 PM	Drawing 69 is showing the section B view through the RAS / WAS pump station. We see the 4" WAS pump discharge header and the callout for a " 4" cleanout". We are assuming that is meant to be a 4" quick disconnect, pump out connection. We searched the specification division - 40 and did not find a mention of a cam-lock type quick disconnect fitting. We do not know what material the quick connect coupling is to be made. Please review and clarify the material of construction for this pump out connection.
Brandon Ballengee	PLW Waterworks, LLC	10/28/2019 9:01 AM	Item number 5 of 00 41 00 Bidder's Safety Experience states that, "The Bidder acknowledges the requirements for Safety Training (listed in Section 00 41 00) must be met before any work commences on the project". Please clarify which specific trainings are required, or is this in reference to the competent persons?*
Jeff Scott	Archer Western Constructic	10/28/2019 10:10 AM	Can sizing be added for the 24" ALP structural supports shown on sheet 55, section C?

Kyle - Wastewater Treatment Plant Expansion

Jim Horton	Ferguson Enterprises	10/28/2019 12:10 PM	The drawing number - 83 is showing the skid mounted NPW pumps. The drawing does not indicate the sizes of the inlet pipe and the discharge pipe. We looked in the specifications but did not find a section for this booster pump skid. Please review and clarify the NPW booster pump equipment.
Jim Horton	Ferguson Enterprises	10/28/2019 3:19 PM	Drawing - 90 is showing the four 10" telescoping decant valves in the Aerobic Digesters. There is no callout or indication as to what elevation the telescoping valves are to be installed. The section view - B on drawing 92 shows the 8" overflow pipe and not the 10" telescoping decant valve. We do not know how long to provide the 10" riser pipe. Please review and provide the installation information necessary for these valves.
Jim Horton	Ferguson Enterprises	10/28/2019 3:31 PM	Reading in specification section - 40 05 23 - 9, 2.2, F, Telescoping valves, paragraph 1, d, indicates that the floor pedestal shall be of type 60601-T6 aluminum and shall be designed for center or offset mounting as shown on the drawings. Reading in section - 2.4, Accessories, D, Floor Stands, it indicates that floor stands shall be type 304 stainless steel. Looking at the plan view layout on drawing - 91, it appears that the telescoping valves are mounted off of the concrete walkway and on a separate mounting bracket, bolted to the wall. The specification paragraph does not mention a mounting bracket for the floor stand. Are they to have a crank operator or a handwheel operator? Please review and clarify the configuration that is required for these telescoping valves.