

Kyle - Wastewater Treatment Plant Expansion			
Leonhard Euler	Bernoulli Inc	10/16/2019 10:44 PM	donde estan los planes
		10/17/2019 1:18 PM	Plans are uploaded in the Docs section of CivCast.
GILBERT D. Cabeldue	T MORALES COMPANY	10/17/2019 11:51 AM	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?
		10/17/2019 1:20 PM	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	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?
		10/17/2019 1:20 PM	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	Can you confirm this is not a Buy America or Texas Water Board project requiring all domestic material. Thanks
		10/18/2019 9:33 AM	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	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...
		10/21/2019 11:15 AM	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?

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		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.

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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.
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
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.
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.
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.
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.

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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.
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.
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.
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.
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.
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 indicted 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.

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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.
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"> <li>•WW-27A, Joint Restraint Devices for Ductile Iron Pipe (Revised existing SPL)</li> <li>•WW-27A-01, Joint Restraint Devices for MJ Bell Connections (New SPL)</li> <li>•WW-308C, Joint Restraint Devices for PVC Pipe (New SPL)</li> </ul>
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.
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.
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.

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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.
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.
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.