



**SAN ANTONIO WATER SYSTEM
MULTIPLE SEWERSHED PACKAGE 2A
SAWS PROJECT NO. 17-4533
SOLICITATION NO. CO-00146**

**ADDENDUM 4
August 29, 2018**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

RESPONSES TO QUESTIONS

Q1: On Site 8 by-pass: Instead of running the bypass line through the adjacent line, would it be acceptable to divert the flow from the 60" into the 72" while working on the 60", and diverting the flow from the 72" into the 60" while working on the 72"? We would pump from one line into the other and let it gravity flow down to the downstream junction box.

Response: Refer to Addendum 2 for revised plans. The conceptual Site 8 Bypass Plan has been revised per Addendum No. 2 to route peak flows at-grade along I-410 west to the Salado Creek bridge then back to the CIPP Work alignment, replacing the previous sequential bypass pumping through the existing RCP pipes below I-410. Contractors to bid according to revised plan.

Q2: Regarding the bypass pumping spec 864.4.2i, "No electric pumps will be allowed; all pumps must be diesel powered". Would a fully automatic self-priming, open impeller solids handling centrifugal trash pump be acceptable for this project when powered by a diesel engine generator, with the requirement of one backup generator equal to the largest generator in the bypass system?

Response: The type and size of pumps required to pump peak wet-weather flows will be defined by the Contractor in his Bypass Pumping Plan, and must ensure continuous bypass pumping service. A diesel powered generator operating an electric motor pump with backup generator generally meets this requirement, subject to final Bypass Pumping Plan definition and SAWS approval.

Q3: Would it be acceptable to install a Doghouse Manhole as to reduce the longer lengths of pipe that are to be Rehabbed by CIPP?

Response: Temporary doghouse manholes may be installed as approved by SAWS to facilitate bypass pumping, subject to proper definition in the Contractor's Bypass Pumping Plan. CIPP installation will be between manholes or structures as shown, unless otherwise approved by SAWS. No additional or separate payment will be made for temporary doghouse manholes.

Q4: Regarding Site 2: To perform the work at site 2 can the average daily flow be diverted to the 24" siphon? In the event of a rain event or high flow the work would be stopped and immediately the flow would be returned to the 36" siphon until flow returned to normal. None of the work

performed at site two requires a process where the flow cannot be reestablished under a high flow event.

Response: Bypass Pumping shall be based on the peak wet-weather flows defined on the Drawings.

Q5: Regarding Site 8: Bypass notes read, "Contractor may use adjacent parallel mains and MH's for bypass pumping during dry weather conditions." Will the owner consider allowing this method for the other sites associated with this contract for CIPP only instead of sizing the bypass for peak wet weather flow?

Response: Refer to Addendum 2 for revised plans. The Site 8 Conceptual Bypass Pumping Plan has been revised per Addendum No. 2, now diverting all bypass flow along I-410 to the Salado Creek bridge and then back along I-410 to the Work area. All site bypass pumping plans shall be based on the wet-weather peak flows defined on the Drawings.

Q6: Are there any project areas located in the EARZ? If so, which ones?

Response: No project sites are located within the EARZ.

Q7: The Special Provisions to the Technical Specifications currently do not contain any modifications to the CIPP standard specification section 901. Will there be any Special Provisions modifying section 901? Also, will the CIPP be allowed to be steam cured for this project as it appears from the CIPP items on the bid schedule?

Response: Refer to Modifications to the Specification in Addendum 2. See Special Provision to Item 901 included with Addendum 2. Steam curing will be allowed per Specification 901 requirements and SAWS approval of any site-specific special considerations.

Q8: On the Statement of Bidder's Experience form, for project A-1, does all 2,000 LF need to be 54" diameter or larger, and for project A-2, does all 2,000 LF need to be 72" diameter or larger?

Response: Bidders shall submit record of experience as stated. CIPP installation lengths and diameters shall be equal to or greater than the quantities stated.

Q9: On the Statement of Bidder's Experience form, should the instructions for filling out section C be revised since there are no fields to fill out and we are instructed to attach a resume, but at the top of the sheet we are told to fill out all fields and that attachments are prohibited?

Response: Refer to Modifications to the Specifications in this Addendum. For Section C, Bidder to check each of the experience boxes as they apply to proposed Superintendent, and attach proposed Superintendent's resume with the submittal package.

Q10: Do any of the structures being repaired under bid items 15-24 & 26 (spec SP-851S) have existing coatings or linings? If so, what kinds of lining are in which structures?

Response: Several of these structures have interior epoxy coating or T-Lock Lining to be removed as part of rehabilitation. Bidders are encouraged to review the interior observation videos available from SAWS.

Q11: For the structures being repaired &/or replaced under bid items 15-26 (spec SP-851S), will the repaired/replaced structures be required to be leakage tested? Also, the structure details show

all the walls and bottoms of lids being coated, but mostly do not mention the floors - will all the floors of all the structures be required to be coated?

Response: No leak testing will be required, as these are existing structures with only interior repairs and modifications. The floors do not require coating, being continuously submerged, except downstream of the new interior weir walls where shown on the Drawings.

Q12: On the structure detail drawings, there are general structure notes that appear to be intended to apply to multiple structures shown on the page, but where different work appears to be required in each structure according to the structure details. For instance, on drawing P-47, Structure Rehab Note 2 says to remove and demolish all gates frames and accessories, with Structures 1A, 1B, and 2 shown on that page, but while the detail for Structure 1A shows all the gates in that structure being demolished, the details for Structures 1B & 2 show gates but do not mention them being demolished. Which controls the work required at each structure - the structure rehab notes or the individual structure details? Will the existing gates in Structures 1B & 2 also be required to be demolished?

Response: The Structure Rehabilitation Notes describe Work common to all structures, as applicable. On P-47, for example, existing gates are known to exist in Structure 1B as shown. All interior gates are to be demolished. Bidders are encouraged to review the interior observation videos available from SAWS to confirm required level-of-effort for each structure.

Q13: Is the lid of Structure 7 at Site 8 being replaced? Bid item 24 and CIPP drawing P-37 both show a lid replacement for this structure, but the structure details in the drawings do not show the lid being replaced for this structure. Please clarify.

Response: Refer to Modifications to the Specifications, as well as Modifications to the Plans for this Addendum. No lid replacement is included with Structure No.7, with demolished gates to be cut and extracted through the new ring and cover cut-outs. The Bid Form, Sheet G-5 and Sheet P-36 have been revised accordingly and included in this Addendum.

Q14: Will the manholes being rehabilitated under bid item 56 (spec 910) also require the installation of new throat rings, watertight ring & cover, and concrete collar? Manhole Rehabilitation Note 1 on drawing G-3 says this work is included in the manhole rehabilitation, but the manhole rehabilitation specification 910 does not appear to reference or include performing this work. If the replacement of throat rings, ring & cover, and concrete collar is required for manholes being rehabilitated under spec. 910, should a bid item for Adjust Existing Manholes under spec. no. 851 be added to the bid?

Response: The manholes are to be reconstructed under Item 855 (Bid Items 29 through 35), with Item 910.1 rehabilitation applying only on Sheets P-10 and P-20 as shown. New throats, collars, and watertight 32-inch hinged and locking rings and covers shall be provided, unless otherwise noted.

Q15: For the manholes being reconstructed under bid items 29-35 (spec 855), please clarify the limits of the reconstruction - what portions of the manholes are required to be removed & replaced? Also, please clarify the limits of reconstruction for the siphon box being reconstructed with MH 13095 at Site 2 – what portions of that structure must be removed and replaced?

Response: Required manholes reconstruction shall be in accordance with Item 855 which includes "...the replacement of manhole ring and covers, the cones, manholes sections(s) required...". The Site 2

manhole reconstruction includes the two risers and common rectangular siphon outlet box below, as shown and described.

Q16: CIPP Note 2 on drawing G-3 states that all service taps shall be epoxy coated or a “top hat” shall be utilized, but there does not appear to be any corresponding reference in the specifications to this work being included or required. Is this lateral connection sealing work required on this contract? If so, is there an approved material list for the epoxy grouts &/or top hat materials that will be allowed? Also, would these lateral connection seals be part of the work required under bid items 64 & 65 (spec 1109) and required to be performed for all laterals remotely reinstated on the CIPP?

Response: Lateral reconnections will be paid for under Item 1109 by the Each. Lateral reconnections are to be epoxy coated or a “top hat” is to be installed as noted on Sheet G-3, CIPP Notes 2 to protect against local corrosion at these connections. SAWS approved epoxies include Spray Wall and Carboline, as defined in Section 850 – Sanitary Sewer Structures (now excluding Raven). Top hats shall be Pro-Pipe, Southwest Pipeline, or approve equal. All laterals shall be sealed from inside the CIPP-lines sewer pipe, unless otherwise approved by SAWS. There will be no separate payment for sealing of laterals.

Q17: CIPP Note 3 on drawing G-3 says to apply a cementitious coating to all existing sanitary sewer manholes, but that there will be No Separate Pay Item (NSPI) for this work. Are there manholes on the project that will be required to be coated that are not called out to be replaced, reconstructed, or rehabilitated on the drawings, and/or that will not be paid for as a part of the bid items for spec. 850, 855 &/or 910?

Response: All manholes and structures to be rehabilitated or reconstructed are defined on the Drawings, and are paid for under the appropriate Specification item. CIPP Note 3 on Sheet G-3 overlaps the rehabilitation or reconstruction requirements defined elsewhere in the Drawings and Specifications.

Q18: Traffic Note 20 on drawing G-4 requires the Contractor to provide an emergency telephone number for evenings, weekends and holidays and says this telephone number must be a commercial answering service. Can direct numbers to the project management staff be provided in lieu of a commercial answering service for this emergency contact?

Response: We anticipate that direct numbers will be acceptable if required contact is assured, subject to CoSA approval.

Q19: For Site 5, Note 6 on drawing P-12A says traffic closure shall be limited to 9AM-4:30PM, but Note 9 on the same drawing says that, due to local school traffic, lane closures shall be limited to 9AM-2:30PM on weekdays. Neither is sufficient for conducting the CIPP installation operation or for performing the maintenance and operation of the bypass once it is set up, so please confirm that these activities will be exempt from these working hours. For all other work activities, please clarify which working hours will apply.

Response: Refer to Modifications to the Plans in this Addendum. TxDOT has defined the baseline work hour limitation defined here for work inside of their ROW. Note No.6 has been clarified to limit weekend work hours to 9:00am to 4:30pm. Note 9 remains as is, limiting weekday work hours to 9:00am to 2:30pm. Work outside these hours, as required, will be worked out between the Contractor, SAWS, and TxDOT. Contractor should allow for sufficient time (30 to 60 days) to coordinate with all parties

and obtain approval prior to initiating work. Any revision requested by the Contractor will require TxDOT approval.

Q20: Special Conditions section E on page SC-2 says that no work shall be performed on private properties between the hours of 5PM & 8AM nor on weekends or holidays without expressed permission of the affected property owner and SAWS. These working hours are not sufficient for conducting CIPP installation operations or for performing maintenance and operation of bypass once it is set up, so please confirm that these activities will be exempt from these working hours.

Response: These work hour limitations have been established by SAWS in coordination with affected landowners. Required maintenance of the bypass pumping systems requires 24-hour access once initiated, and therefore must be exempt from these limitations. Any revisions otherwise to these work hours desired by the Contractor will require additional SAWS approval. Work outside these times may be allowed as required to complete certain construction activities. However the Contractor must coordinate with SAWS and the subject landowner in advance for permission.

Q21: Many of the structures do not appear to have all the relevant rim &/or invert elevation data shown on the drawings. Please provide the following missing elevation data for the following structures:
Site 6, Structure 5A: rim elevation and the invert elevation of the 60" pipe exiting the structure.
Site 6, Structure 5B: rim elevation and the invert elevations of the 54" and 66" pipes exiting the structure.
Site 6, Structure 4: individual invert elevations of the 54", 60", & 66" pipes entering and exiting the structure.
Site 6, Structure 2: individual invert elevations of the 54" & 66" pipes entering and exiting the structure.
Site 6, Structure 1A: individual invert elevations of the 54" & 66" pipes entering the structure.
Site 6, Structure 1B: rim elevation and the invert elevation of the 66" pipe entering the structure.
Site 8, Structure 7: individual invert elevations of the 60" & 72" pipes entering and exiting the structure.
Site 8, Structure 6A: rim elevation and the invert elevations of the 60" & 72" pipes entering the structure.
Site 8, Structure 6B: rim elevation and the invert elevation of the 72" pipe entering the structure.
Site 9, Structure 9: individual invert elevations of the 84" pipes entering and exiting the structure.

Response: The approximate depth of all structures are shown on Sheets P-47 through P-51, and this information is adequate for proper understanding and execution of the required Work. Similarly, invert elevations are not needed for proper understanding and execution of the required Work. Field surveying the interior bottoms and inverts is impeded by limited access and live flow conditions, and therefore this information is not included on the Drawings.

Q22: How many new removable slide plates will the Contractor be fabricating and providing under this contract? Will the Contractor be installing any of the new removable slide plates in any of the new slide plate frames being built in the structures, or will the new removable slide plates just be delivered to the SAWS service center?

Response: Two plates will be provided as noted. A slide plate will be placed into each receiving frame assembly by the Contractor once completed to ensure plumbness, squareness, and adequate water-tightness fit as noted.

Q23: In Addendum No. 1, the answer to Q4 says to see the Modifications to the Specifications in that addendum for changes regarding the baseline schedule to be submitted with the bid. However, in

the Modifications to the Specifications section, there does not appear to be an associated item addressing these changes for the schedule. Please clarify.

Response: Refer to Modifications to the Specifications in this Addendum. Supplemental Conditions page SS-3 has been revised to provide clarification regarding the baseline schedule and associated anticipated NTP date of about October 15, 2018, and is included in this Addendum.

Q24: Is there a Buy America clause for the removable slide gates or any of the other steel to be fabricated &/or installed for the project? It is our understanding that on some SAWS projects, there is a Buy America clause, depending on project funding.

Response: No, Buy America requirements do not apply to this project.

Q25: Note 3 on drawing P-51B calls for the removable slide gates to be primed and coated with a Tnemec epoxy, but there is no mention of which Tnemec epoxy is required, and from the Tnemec website, there are numerous different Tnemec products available. Please provide the Tnemec "series" of epoxy required – a "series" is comprised of numbers that describe what type it is. Also, what specifically does "0.6 mil min each coat" mean? Is this a typo? Usually two (2) coats of 4-6 mils is required, not .6 mil. Please clarify.

Response: Refer to Modifications to the Plans in this Addendum. Plan Sheet P-51B has been updated to clarify 6 mils per coat of Tnemec, Series 22 Epoxoline, or approved equal

Q26: Can a higher soil modulus than the specified 500 PSI be used for CIPP liner designs?

Response: Refer to Modifications to the Specifications in Addendum 2, Special Provision for clarification.

Q27: Can the 24" crossovers be lined with CIPP instead of dig/replace?

Response: 24" cross-over pipes to be replaced as shown.

Q28: Will all nearby hydrants be allowed for use on this project or are there only specific ones we can use?

Response: Hydrants in the vicinity have been shown on the Plans, and other hydrants in the area may be used with SAWS approval. Reclaimed water may also be used if desired by the Contractor at the several areas shown, subject to SAWS coordination and approval.

Q29: Please provide more dimensional data specifically Invert Elevations on the Bypass Suctions of Sites 2, 5 and 7 as well as Discharges Sites 5 and 7. out and the size for Suction of Site2 – Discharge of Site 5- Suction of Site 7 and the Discharge of site 7 ?

Response: Existing manhole rim and invert elevations are shown on the Drawings, and cover openings are generally about 30-inches. The approximate depth of structures to be rehabilitated are shown on the Drawings. Bypass suction and discharge structures have similar cover openings, and the following approximate rim elevations:

*Site 1 Discharge: +/- 653
Site 2 Discharge: +/- 655
Site 5 Discharge: +/- 582
Site 6 Suction: +/- 594*

Site 6 Discharge: +/- 593
Site 7 Suction: +/- 552
Site 7 Discharge: +/- 551
Site 8 Discharge: +/- 548
Site 9 Discharge: +/- 536

Q30: On bid item 66, Intermediate mobilization is quantified as 3 (EA). Will the Contractor be paid if more intermediate mobilization occurs during the execution of the works?

Response: Yes.

Q31: On bid items 44 through 46, Intermediate demobilization for bypass works are quantified as 20 (DAYS). Will the Contractor be paid if intermediate demobilization takes more than 20 days during the execution of the works?

Response: Yes.

Q32: If the scope of work requires work outside of the 6am to 6pm requirements will the owner require any additional inspections costs from the contractor?

Response: Per GC-5.18, Work Hours are limited to between 8am and 5pm, without separate SAWS approval.

Q33: Will the prime contractor be required to perform over 40% of the work?

Response: No.

Q34: Will the Contractor be allowed to utilize filled resin or fiber reinforced felt to decrease liner thicknesses and/or weights if minimum strength requirements are still met?

Response: Any deviations from SAWS Specification 901.1 – Rehabilitation of Sanitary Sewer By Cured-In-Place Pipe (Hot Water or Steam Cured) will require SAWS approval through the submittal process, and will need to demonstrate comparable or improved product durability, strength, and demonstrated performance. Any proposed deviations must be included in the Contractor’s CIPP Installation Plan, and must be signed by and sealed by a Texas P.E.

Q35: With reference to drawing # P12A, time limitation of lane closures may not be practical and cost effective considering bypass operations. Will the Owner please reconsider this requirement (time limitations for bypass, traffic control and CIPP operations) to allow for extended periods of lane closures for both this area and project-wide?

Response: Roosevelt Ave is a TxDOT right-of-way, and the lane closure time limitations defined on P-12A have been defined by TxDOT, subject to final definitions and potential adjustments based on the Contractor’s Traffic Control Plan to be approved by TxDOT.

Q36: With reference to drawing # P28, Will the Owner please provide as built drawings of existing structures relevant to bypass suction?

Response: SAWS will provide available as-builts to the awarded contractor upon Notice to Award.

Q37: Drawing # P-32, note-1 indicates that FRP manholes can be used. Will the Owner please confirm whether FRP manholes can be used project-wide for manhole reconstruction or only in this location?

Response: New FRP manholes may be provided per Item 853 in lieu of manhole rehabilitations project-wide if desired by the Contractor, at no additional or separate cost to SAWS.

Q38: Drawing # P-45 indicates existing 84" FRP pipe between structures 8 and 9 to be replaced, whereas, Drawing # P-44 indicates the same to be lined. Will the Owner please confirm which repair method is required?

Response: Refer to Modifications to the Plans in Addendum 2. The subject line is to be CIPP lined, per previous clarification provided in Addendum 2.

Q39: It is our interpretation from the bid documents that the condition rehabilitation should be completed per the table on drawing # P-55 and should be included in the pricing of relevant bid items (bid line items 15 through 26 – Repair Existing Structures). However, the project details portion of the pre-bid meeting references the engineer confirming the required interior surface repairs after demolition and surface preparation. Will the owner please define which bid items the cost for structure rehabilitation, as defined in the table of # P-55, should be included?

Response: The Structural Rehabilitation Summary Table included on Sheet P-55 defines the anticipated interior wall and lid bottom conditions of the structures to be rehabilitated, based on the Engineer's initial observations, and is the basis of Contract Pricing by the 'Each' for each subject structure. Following demolition and surface preparation, the Engineer will inspect each of these surfaces to confirm condition prior to repair. Should any of these surfaces be more deteriorated than indicated in the Sheet P-55 table, the required level of repair will be increased appropriately by the Engineer (to Moderate or Severe), and the Contractor will be paid for this additional repair effort by the Contract Unit Price (Square Foot).

Q40: Will the owner please confirm that line items 27 and 28 are for additional moderate and severe condition repair yet undefined?

Response: Yes, these Items will only be used when directed by the Engineer following interior inspections as discussed with Question 39 above, and are currently undefined.

Q41: The structure rehabilitation table on # P-55 references rehabilitation on the interior walls/beams and the lid bottoms, but does not mention the floor/bottom. Will the owner confirm that the floor/bottoms on the structures mentioned in the table on # P-55 are not to be rehabilitated?

Response: No rehabilitation of the structure floors is anticipated (being constantly submerged), subject to Engineer's inspection after interior preparation. Floor areas downstream of the new interior weir walls will receive a protective coating as shown on the Plans.

Q42: Will the Owner please confirm that any new lids for structures listed on the table on # P-55 are not to be rehabilitated? (i.e. structure # 6A)

Response: New lids (Rings & Covers) will be installed on all structures as shown. Rehabilitation details do not apply to new cast iron Rings & Covers.

Q43: Does protective coating (Sewper Coat or SAWS approved equal) need to be applied to lid bottoms and/or the bottom/floors of the structures?

Response: Yes, protective coating is to be applied to the lid concrete bottoms, and to the existing structure floors downstream of new interior weir walls as shown, since these areas will no longer be regularly submerged. Also see Q41 response.

Q44: Will the Owner please provide lid replacement and structural drawings of existing structure # 7?

Response: Refer to Modifications to the Specifications, as well as Modifications to the Plans in this Addendum. Structure 7 lid is not to be replaced, per attached revised Drawings.

Q45: Will the owner confirm that any asphalt restoration be paid under bid line items 1 and 2 as per actual quantities measured at site?

Response: Asphalt restoration will be paid for by the Contract Unit Price under bid line items 1 and 2 for the actual areas installed, subject to CoSA approval and related quantity approvals by SAWS' inspector.

Q46: Is the Contractor allowed to work on multiple sites concurrently or will all work at a particular site need to be completed before the Contractor moves any operations to the next site?

Response: The Contractor may work on multiple Sites concurrently, as to be defined in the Contractor's Work Progress Schedule, and subject to the various right-of-entry and private property access agreement limitations.

Q47: In reference to drawing # P-33, will the Owner please provide slopes of the existing 48", 60" and 72" diameter RCP lines?

Response: Refer to Modifications to the Plans in this Addendum. Slope of the 60" and 72" RCP lines is approximately 0.1%. The 48" line shown is in error, and has been removed from updated Sheet P-33 included herewith.

Q48: Please refer to attached sketches for bypass options and explanations below. Will the Owner please confirm that these options are acceptable?

- a. Site1 Option-2a: Suction hoses will be installed to existing manholes at Ruiz Street and Pace Street for ex. 27" RCP, ex. 8" PVC and ex. 8" PVC lines, respectively. Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- b. Site1 Option-2b: Suction hose will be installed to existing manhole at Ruiz Street and Pace Street for ex. 27" RCP, ex. 8" PVC lines at Ruiz Street and Pace Street will be plugged. Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- c. Site2 Option-2: A doghouse (DIA up to 5') for suction will be constructed on ex. 36" DIP line close to the construction area. Discharge point will remain the same. Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- d. Site5 Option-2: A doghouse (DIA up to 5') will be constructed on ex. 24" RL line at the downstream side of MH-27599. Rest of the bypass operation will be carried out as per bid drawings. Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?

- e. Site5 Option-3: A doghouse (DIA up to 5') will be constructed on ex. 24" RL line at the downstream side of MH-27599 for discharge. 2 doghouses will be constructed at ex. 15" VCP and ex. 20" VCP lines for suction. Will the contractor be allowed to install necessary doghouses at Roosevelt Avenue? Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- f. Site6 Option-2: The current proposed bypass plan for site 6 will require substantial pumps and discharge piping. Will the owner allow the contractor to bypass site 6 in smaller, more cost-effective segments instead? Will the owner allow the contractor to excavate and bury discharge piping across Roland Road instead of crossing under the bridge as shown in detail 1 of sheet P-26? Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- g. Site7 Option-2: This option will be carried out in dry condition only. A doghouse will be constructed on ex. 48" RCP line at the downstream side of MH-43246. Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- h. Site7 Option-3 Phase 1: This option will be carried out in dry condition only. 60" RCP line will be discharged to ex. 72" RCP / 48" RCP / 72" RCP line as shown. All the work will be completed as indicated on the relevant sketch. Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- i. Site7 Option-3 Phase 2: This option will be carried out in dry condition only. 72" RCP line will be discharged to ex. 60" RCP line as shown. All the work will be completed as indicated on the relevant sketch. Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- j. Site8 Option-2: Doghouses (DIA up to 8') will be constructed on the downstream side of existing structures no's 6A & 6B. Rest of the bypass operation will be carried out as per bid drawings. Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- k. Site8 Option-3 Phase 1: This option is in line with the note on drawing no. P-41 and will be carried out in dry condition only. A doghouse will be constructed on ex. 60" RCP line to discharge flow to ex. 72" RCP line. A doghouse will be constructed on ex. 8" PVC line to discharge flow to ex. MH.43763. All the work along ex. 60" RCP line will be completed as indicated on the relevant sketches. As built drawings of existing structure no.7 is requested to determine repair methodology (see our question no.15) Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- l. Site8 Option-3 Phase 2: This option is in line with the note on drawing no. P-41 and will be carried out in dry condition only. A doghouse will be constructed on ex. 72" RCP line to discharge flow to ex. 60" RCP line. A doghouse will be constructed on ex. 8" PVC line to discharge flow to ex. MH.43642. All the work along ex. 72" RCP line will be completed as indicated on the relevant sketches. As built drawings of existing structure no.7 is requested to determine repair methodology (see our question no.15) Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?
- m. Site9 Option-2: Doghouses will be constructed on the downstream side of existing structures no's 8 & 9. Rest of the bypass operation will be carried out as per bid drawings. Should the calculations determine that sufficient capacity is available, will the owner approve this bypass method?

Response: A detailed review of the Contractor's proposed Bypass Pumping Plan for each Site will be completed for approval prior to construction. The following general comments are offered to assist with bidding:

1. *The Contractor may generally install temporary doghouse manholes or use existing upstream sewer manholes to execute needed bypassing. The use of existing upstream manholes is subject to related traffic safety and detouring considerations, to be approved by CoSA (or TxDOT – Site 5). The use of existing upstream manholes must also address maintain local service laterals during bypassing.*
2. *Installing temporary doghouse manholes on siphon lines immediately adjacent to structures may be acceptable if water-tightness can be ensured (since siphon hydraulic grade line may be above top-of-pipe as the siphon line declines away from the structure), and associated repairs can be completed under these conditions. Any such proposed temporary doghouse manholes will require full definition in the Contractor's Bypass Pumping Plan to be approved by SAWS.*
3. *In general, diverting the flow from 2 parallel mains into one of those mains or into a portion of siphons downstream of the Work area will not be allowed, as either single main or partial siphons do not provide adequate hydraulic capacity for the combined wet-weather peak flows, and Bypass Pumping Plans must be developed to address the wet-weather peak flows shown on the Drawings.*
4. *Site 8 bypass at I-410 has been revised by Addendum No.2, now routed along I-410 to the Salado Creek bridge, allowing combined wet-weather peak flow diversion.*
5. *Structures to be rehabilitated must be completely dewatered, requiring full bypass around the structures.*

MODIFICATIONS TO SPECIFICATIONS
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Bid Proposal Form:

Remove the Bid Proposal in its entirety and replace with the revised version attached to this Addendum, clarifying Structure No.7 to not include lid replacement. This revised version should be used by Bidders when submitting a Bid for this Project.

Statement of Bidders Experience:

Remove paragraphs one (1) and two (2) from the Statement of Bidders Experience, Page SBE- 6, and replace with the following:

C. Please check the applicable boxes below. In addition, please provide proposed Superintendent's resumes. If boxes are not checked or resumes not included, the bid may be found non-responsive.

Building Wage Decision:

Remove the Building Wage Decision in its entirety and replace with the revised version attached to this Addendum.

Supplementary Conditions:

Remove Page SS-3 from the Supplementary Conditions and replace with the revised Page SS-3 attached to this Addendum, addressing the baseline schedule and associated notice to proceed date.

MODIFICATIONS TO PLANS FOR CONSTRUCTION

- Sheet G-5: Remove and replace Plan Sheet G-5 with the revised Plan Sheet G-5 attached to this Addendum. Sheet description of Item SP-851S - Site 8, Structure No.7 is revised to clarify no lid replacement.
- Sheet P-12A: Remove and replace Plan Sheet P-12A with the revised Plan Sheet P-12A attached to this Addendum. Sheet Note 6 is revised to clarify allowable lane closure hours of between 9:00am and 4:30pm on weekends. Note 9 remains as is, limiting lane closures on weekdays to between 9:00am and 2:30pm.
- Sheet P-33: Remove and replace Plan Sheet P-33 with the revised Plan Sheet P-33 attached to this Addendum. Incorrect reference to '48" RCP Siphon Main' has been deleted.
- Sheet P-36: Remove and replace Plan Sheet P-36 with the revised Plan Sheet P-36 attached to this Addendum. Sheet description of Structure No.7 is revised to clarify no lid replacement.
- Sheet P-51B: Remove and replace Plan Sheet P-51B with the revised Plan Sheet P-51B attached to this Addendum. Sheet Note No. 3 has been revised to clarify two 6-mil coats of Tnemec Series 22 Epoxoline.

This Addendum, including these twelve (12) pages, and is 28 pages total with attachments.

Attachments

Bid Proposal Form
Building Wage Decision
Supplementary Conditions, page SS-3
Sheet G-5
Sheet P-12A
Sheet P-33
Sheet P-36
Sheet P-51B

August 29, 2018

Date

CDS Muery F-1733



Mark Roetzel
8-29-18

Signature

END OF ADDENDUM

BID PROPOSAL

PROPOSAL OF _____, a corporation

a partnership consisting of

an individual doing business as

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitation to Bidders, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the project as specified, in accordance with the Plans and Specifications for the following prices to wit:

(PLEASE SEE ATTACHED PDF LIST OF BID ITEMS)

TOTAL BID PRICE

\$ _____

BIDDER'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following:
Addendum Nos. _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **540** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Bid Proposal which are included on the following pages.

Multiple Sewershed Package 2A
 Job No. 17-4533

Line No.	Item No.	Description	Unit	Quantity	Unit Price	Subtotal
1	511.3	REPLACING WITH HMAC PAVEMENT (10" TY B AND 2" TY D)	SY	102.00		
2	511.3	REPLACING WITH HMAC PAVEMENT (12" TYPE B AND 3" TY D)	SY	26.00		
3	530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 1)	LS	1.00		
4	530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 2)	LS	1.00		
5	530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 5)	LS	1.00		
6	530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 6)	LS	1.00		
7	530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 7)	LS	1.00		
8	530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 8)	LS	1.00		
9	530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 9)	LS	1.00		
10	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	125.00		
11	551.1	SPECIAL SHORING (COSA SPEC)	SF	300.00		
12	SP-553	STORM WATER POLLUTION PREVENTION PLAN	LS	1.00		
13	850	DROP MANHOLE SANITARY SEWER STRUCTURE (TYPE B)	EA	1.00		
14	850	DROP MANHOLE SANITARY SEWER STRUCTURE (TYPE B) (EXTRA DEPTH)	VF	5.30		
15	SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 1A -REHAB/LID REPLACEMENT)	EA	1.00		
16	SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 1B-REHAB)	EA	1.00		
17	SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 2-REHAB/LID REPLACEMENT)	EA	1.00		
18	SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 3-REHAB)	EA	1.00		
19	SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 4-REHAB/LID REPLACEMENT)	EA	1.00		
20	SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 5A-REHAB)	EA	1.00		
21	SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 5B-REHAB/LID REPLACEMENT)	EA	1.00		
22	SP-851S	REPAIR EXISTING STRUCTURE (SITE 8, STRUCTURE 6A-REHAB/LID REPLACEMENT)	EA	1.00		
23	SP-851S	REPAIR EXISTING STRUCTURE (SITE 8, STRUCTURE 6B-REHAB/LID REPLACEMENT)	EA	1.00		
24	SP-851S	REPAIR EXISTING STRUCTURE (SITE 8, STRUCTURE 7-REHAB)	EA	1.00		
25	SP-851S	REPLACE EXISTING STRUCTURE (SITE 9, STRUCTURE 8-COMplete REPLACEMENT)	EA	1.00		
26	SP-851S	REPAIR EXISTING STRUCTURE (SITE 9, STRUCTURE 9-REHAB/LID REPLACEMENT)	EA	1.00		
27	SP-851S.1	ADDITIONAL MODERATE CONDITION REPAIR	SF	500.00		
28	SP-851S.2	ADDITIONAL SEVERE CONDITION REPAIR	SF	500.00		
29	854.2	TWO-WAY CLEANOUTS	EA	13.00		
30	855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 1)	EA	2.00		
31	855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 2)	EA	2.00		
32	855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 5)	EA	1.00		
33	855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 6)	EA	7.00		
34	855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 7)	EA	2.00		
35	855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 8)	EA	5.00		
36	855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 9)	EA	2.00		
37	858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	0.50		
38	864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (27"-SITE 1)	LS	1.00		
39	864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (36"-SITE 2)	LS	1.00		
40	864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (24"-SITE 5)	LS	1.00		
41	864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (54"/66"-SITE 6)	LS	1.00		
42	864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (60"/72"-SITE 7)	LS	1.00		

Multiple Sewershed Package 2A
 Job No. 17-4533

Line No.	Item No.	Description	Unit	Quantity	Unit Price	Subtotal
43	864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (60"/72"-SITE 8)	LS	1.00		
44	864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (60"/84"-SITE 9)	LS	1.00		
45	864-S2.1	INTERMEDIATE DEMOB BYPASS PUMPING EQUIPMENT RENTAL	DAY	20.00		
46	864-S2.2	INTERMEDIATE DEMOB BYPASS PUMPING FUEL	DAY	20.00		
47	864-S2.3	INTERMEDIATE DEMOB BYPASS PUMPING WATCH	DAY	20.00		
48	866	SEWER MAIN PRE-TELEVISION INSPECTION (24" OR SMALLER)	LF	400.00		
49	866	SEWER MAIN PRE-TELEVISION INSPECTION (27" OR LARGER)	LF	14,510.00		
50	901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (24")	LF	400.00		
51	901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (27")	LF	315.00		
52	901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (54")	LF	6,231.00		
53	901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (60")	LF	3,217.00		
54	901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (66")	LF	3,077.00		
55	901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (72")	LF	1,359.00		
56	901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (84")	LF	305.00		
57	910.1	MANHOLE REHABILITATION (STANDARD MANHOLES 4-FT DIAMETER)	VF	23.10		
58	1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 1)	EA	1.00		
59	1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 2)	EA	1.00		
60	1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 5)	EA	1.00		
61	1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 6)	EA	1.00		
62	1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 7)	EA	1.00		
63	1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 8)	EA	1.00		
64	1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 9)	EA	1.00		
65	1109	SANITARY SEWER LATERAL STUB OUTS OR RECONNECTIONS (SITE 1) (REMOTE)	EA	12.00		
66	1109	SANITARY SEWER LATERAL STUB OUTS OR RECONNECTIONS (SITE 6) (REMOTE)	EA	1.00		
67	100.1	INTERMEDIATE DEMOBILIZATION/REMOBILIZATION	EA	3.00		
68	100	MOBILIZATION (Maximum of 10% of the total of line items 1 - 67)	LS	1.00		
69	101	PREPARATION OF RIGHT-OF-WAY (Maximum of 5% of the total of line items 1 - 67)	LS	1.00		

General Decision Number: TX180280 08/03/2018 TX280

Superseded General Decision Number: TX20170280

State: Texas

Construction Type: Building

County: Bexar County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.35 for calendar year 2018 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.35 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2018. The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/05/2018
1	01/12/2018
2	03/23/2018
3	04/20/2018
4	07/06/2018
5	08/03/2018

ASBE0087-014 01/01/2018

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation).....	\$ 22.72	10.02

BOIL0074-003 01/01/2017

	Rates	Fringes
BOILERMAKER.....	\$ 28.00	22.35

ELEC0060-003 06/01/2016

Rates Fringes

ELECTRICIAN (Communication Technician Only).....	\$ 21.57	9%+4.65
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ELEC0060-004 06/01/2018

	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring).....	\$ 28.30	13%+5.05

ELEV0081-001 01/01/2018

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 39.32	32.645+a+b

FOOTNOTES:

A. 6% under 5 years based on regular hourly rate for all hours worked. 8% over 5 years based on regular hourly rate for all hours worked.

B. Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Friday after Thanksgiving Day; Christmas Day; and Veterans Day.

ENGI0450-002 04/01/2014

	Rates	Fringes
POWER EQUIPMENT OPERATOR Cranes.....	\$ 34.85	9.85

IRON0066-013 06/01/2017

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 21.55	6.73

IRON0084-011 06/01/2017

	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 23.27	7.12

PLUM0142-009 07/01/2017

	Rates	Fringes
HVAC MECHANIC (HVAC Electrical Temperature Control Installation Only).....	\$ 30.25	11.80
HVAC MECHANIC (HVAC Unit Installation Only).....	\$ 30.25	11.80
PIPEFITTER (Including HVAC Pipe Installation).....	\$ 30.25	11.80

PLUMBER (Excludes HVAC Pipe Installation).....	\$ 30.25	11.80
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SFTX0669-002 04/01/2017

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 29.03	15.84

* SHEE0067-004 04/01/2018

	Rates	Fringes
Sheet metal worker Excludes HVAC Duct Installation.....	\$ 26.35	15.29
HVAC Duct Installation Only.	\$ 26.10	15.25

SUTX2014-006 07/21/2014

	Rates	Fringes
BRICKLAYER.....	\$ 22.15	0.00
CARPENTER (Acoustical Ceiling Installation Only).....	\$ 17.83	0.00
CARPENTER (Form Work Only).....	\$ 13.63	0.00
CARPENTER, Excludes Acoustical Ceiling Installation, Drywall Hanging, Form Work, and Metal Stud Installation.....	\$ 16.86	4.17
CAULKER.....	\$ 15.00	0.00
CEMENT MASON/CONCRETE FINISHER...	\$ 22.27	5.30
DRYWALL FINISHER/TAPER.....	\$ 13.81	0.00
DRYWALL HANGER AND METAL STUD INSTALLER.....	\$ 15.18	0.00
ELECTRICIAN (Low Voltage Wiring Only).....	\$ 20.39	3.04
IRONWORKER, REINFORCING.....	\$ 12.27	0.00
LABORER: Common or General.....	\$ 10.75	0.00
LABORER: Mason Tender - Brick...	\$ 11.88	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 12.00	0.00

LABORER: Pipelayer.....	\$ 11.00	0.00
LABORER: Roof Tearoff.....	\$ 11.28	0.00
LABORER: Landscape and Irrigation.....	\$ 8.00	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 15.98	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 14.00	0.00
OPERATOR: Bulldozer.....	\$ 14.00	0.00
OPERATOR: Drill.....	\$ 14.50	0.00
OPERATOR: Forklift.....	\$ 12.50	0.00
OPERATOR: Grader/Blade.....	\$ 23.00	5.07
OPERATOR: Loader.....	\$ 12.79	0.00
OPERATOR: Mechanic.....	\$ 18.75	5.12
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 16.03	0.00
OPERATOR: Roller.....	\$ 12.00	0.00
PAINTER (Brush, Roller and Spray), Excludes Drywall Finishing/Taping.....	\$ 13.07	0.00
ROOFER.....	\$ 12.00	0.00
TILE FINISHER.....	\$ 11.32	0.00
TILE SETTER.....	\$ 14.94	0.00
TRUCK DRIVER: Dump Truck.....	\$ 12.39	1.18
TRUCK DRIVER: Flatbed Truck.....	\$ 19.65	8.57
TRUCK DRIVER: Semi-Trailer Truck.....	\$ 12.50	0.00
TRUCK DRIVER: Water Truck.....	\$ 12.00	4.11

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the

Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that

no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Contractor for lost or anticipated profits on any part of the Work not performed or for consequential damages of any kind or unabsorbed overhead, opportunity costs or other damages as a result of a termination for convenience under this section. In addition, any amount payable to the Contractor pursuant to this section shall be reduced in the amount of (1) any claim Owner may have against the Contractor under this Contract, and (2) the fair value, as determined by Owner, of property which is destroyed, lost, stolen or damaged so as to become undeliverable to Owner, excluding normal spoilage and except to the extent that Owner shall have otherwise expressly assumed the risk of loss with respect to such property hereunder.

Remove Section 4.9.2 of the general conditions and replace with the following:

The Contractor shall not, except upon procuring written consent from proper private parties, enter or occupy with men, tools, materials, or equipment, any privately owned land except for those on easements or rights of entry provided herein by SAWS. Contractor must submit a copy of the written consent from the land owner to SAWS.

The remaining sections of Article IV shall remain the same.

ARTICLE V – CONTRACT RESPONSIBILITIES

Remove Section 5.7.1.1.7.8 in its entirety and replace with the following:

Installation Floater - Physical Damage Insurance which insures SAWS and the City for damages to all Property Purchased for, or Assigned to, the Project commencing on the start date through completion. Policy limits shall be in an amount equal to the total contract cost contracted herewith. The policy form shall be an All Risk form and shall include coverage for both during transit and while stored at the work site.

Section 5.13.5 shall be amended to take out the last sentence and to add the following:

The Bidder is required to submit a baseline schedule as part of the bid. The baseline schedule shall be a detailed, precedence-style critical path management schedule in Microsoft Project or Primavera format. The baseline schedule must encompass the entire contract duration from Notice to Proceed to the Contract End Date. This baseline schedule must show a completion date that corresponds to the Contract End Date. The baseline schedule must be inclusive of all work necessary to complete the project including sufficient time necessary for submission and review of submittals, permits, etc. The baseline schedule must be broken up per “Work Site”. The schedule for each “Work Site” must be in adherence with the Right-of-Entry duration and deadline dates. For the purpose of preparing this baseline schedule, all bidders shall assume a notice to proceed date of October 15, 2018. Failure to include this baseline schedule with the bid documents may result in the bidder being considered non-responsive.

The remaining sections of Article V shall remain the same.

F:\2017\117069 SAWS 2017 Pipeline Engr. WD Contract\117069.02 - Multiple Sewershed Package 2\Civil_3D\DWG\Engineer\117069-Quant.dwg

4

MULTIPLE SEWERSHED PACKAGE 2A

ESTIMATED QUANTITIES (JULY 2018)

Item No.	Description	Unit	Total Quantity	Estimated Sheet Quantities																
				P-2	P-6	P-10	P-16	P-17	P-18	P-19	P-20	P-21	P-22	P-32	P-36	P-37	P-38	P-44		
511.3	REPLACING WITH HMAC PAVEMENT (10" TY B AND 2" TY D)	SY	102	82	20															
511.3	REPLACING WITH HMAC PAVEMENT (12" TYPE B AND 3" TY D)	SY	26	26																
530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 1)	LS	1	1																
530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 2)	LS	1		1															
530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 5)	LS	1			1														
530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 6)	LS	1								1									
530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 7)	LS	1										1							
530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 8)	LS	1											1						
530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 9)	LS	1															1		
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	125	20						15					20	50		20		1
551.1	SPECIAL SHORING (COSA SPEC)	SF	300																	300
SP-553	STORM WATER POLLUTION PREVENTION PLAN	LS	1	1																
850	DROP MANHOLE SANITARY SEWER STRUCTURE (TYPE B)	EA	1	1																
850	DROP MANHOLE SANITARY SEWER STRUCTURE (TYPE B) (EXTRA DEPTH)	VF	5.3	5.3																
SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 1A -REHAB/LID REPLACEMENT)	EA	1				1													
SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 1B-REHAB)	EA	1				1													
SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 2-REHAB/LID REPLACEMENT)	EA	1				1													
SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 3-REHAB)	EA	1							1										
SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 4-REHAB/LID REPLACEMENT)	EA	1									1								
SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 5A-REHAB)	EA	1									1								
SP-851S	REPAIR EXISTING STRUCTURE (SITE 6, STRUCTURE 5B-REHAB/LID REPLACEMENT)	EA	1									1								
SP-851S	REPAIR EXISTING STRUCTURE (SITE 8, STRUCTURE 6A-REHAB/LID REPLACEMENT)	EA	1											1						
SP-851S	REPAIR EXISTING STRUCTURE (SITE 8, STRUCTURE 6B-REHAB/LID REPLACEMENT)	EA	1											1						
SP-851S	REPAIR EXISTING STRUCTURE (SITE 8, STRUCTURE 7-REHAB)	EA	1											1						
SP-851S	REPLACE EXISTING STRUCTURE (SITE 9, STRUCTURE 8-COMplete REPLACEMENT)	EA	1																	1
SP-851S	REPAIR EXISTING STRUCTURE (SITE 9, STRUCTURE 9-REHAB/LID REPLACEMENT)	EA	1																	1
SP-851S.1	ADDITIONAL MODERATE CONDITION REPAIR	SF	500																	
SP-851S.2	ADDITIONAL SEVERE CONDITION REPAIR	SF	500																	
854.2	TWO-WAY CLEANOUTS	EA	13	12								1								
855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 1)	EA	2	2																
855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 2)	EA	2		2															
855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 5)	EA	1			1														
855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 6)	EA	7				1		2	2										
855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 7)	EA	2												2					
855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 8)	EA	5														3	2		
855	RECONSTRUCTION OF EXISTING MANHOLES (SITE 9)	EA	2																	2
858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	0.5	0.5																
864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (27"-SITE 1)	LS	1	1																
864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (36"-SITE 2)	LS	1		1															
864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (24"-SITE 5)	LS	1			1														
864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (54"/66"-SITE 6)	LS	1				1													
864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (60"/72"-SITE 7)	LS	1										1							
864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (60"/72"-SITE 8)	LS	1												1					
864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (60"/84"-SITE 9)	LS	1																	1
864-S2.1	INTERMEDIATE DEMOB BYPASS PUMPING EQUIPMENT RENTAL	DAY	20																	
864-S2.2	INTERMEDIATE DEMOB BYPASS PUMPING FUEL	DAY	20																	
864-S2.3	INTERMEDIATE DEMOB BYPASS PUMPING WATCH	DAY	20																	
866	SEWER MAIN PRE-TELEVISION INSPECTION (24" OR SMALLER)	LF	400			400														
866	SEWER MAIN PRE-TELEVISION INSPECTION (27" OR LARGER)	LF	14,510	315			277	1,150	1,100	1,590	2,300	2,200	777		1,551	1,968	679	603		
901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (24")	LF	400			400														
901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (27")	LF	315	315																
901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (54")	LF	6,231				221	1,150	1,100	1,136	1,150	1,100	374							
901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (60")	LF	3,217				50						30		760	1,400	679	298		
901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (66")	LF	3,077							454	1,150	1,100	373							
901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (72")	LF	1,359												791	568				
901.1	REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (84")	LF	305																	305
910.1	MANHOLE REHABILITATION (STANDARD MANHOLES 4-FT DIAMETER)	VF	23.1			8.9					14.2									
1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 1)	EA	1	1																
1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 2)	EA	1		1															
1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 5)	EA	1			1														
1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 6)	EA	1						1											
1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 7)	EA	1											1						
1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 8)	EA	1														1			
1103	POINT REPAIRS AND OBSTRUCTION REMOVALS (SITE 9)	EA	1																	1
1109	SANITARY SEWER LATERAL STUB OUTS OR RECONNECTIONS (SITE 1) (REMOTE)	EA	12	12																
1109	SANITARY SEWER LATERAL STUB OUTS OR RECONNECTIONS (SITE 6) (REMOTE)	EA	1									1								
100.1	INTERMEDIATE DEMOBILIZATION/REMOBILIZATION	EA	3																	
100	MOBILIZATION	LS	1.00	0.10	0.05	0.20	0.30							0.05	0.20					0.10
101	PREPARATION OF RIGHT-OF-WAY	LS	1.00	0.10	0.05	0.20	0.30							0.05	0.20					0.10

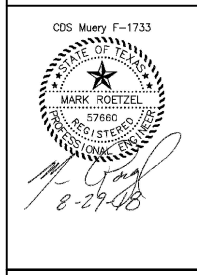
DESIGN BY: MR	DATE: JULY 2018	ADDENDUM No. 4
DRAWN BY: CDS	APPROVED BY:	ADDENDUM No. 2
CHECKED BY: CR	CDS JOB NO: 117069.02	DATE
REVIEWED BY: KR	DWG NAME: 117069-QUANT	NO.
		REVISIONS



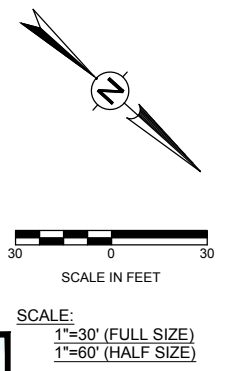
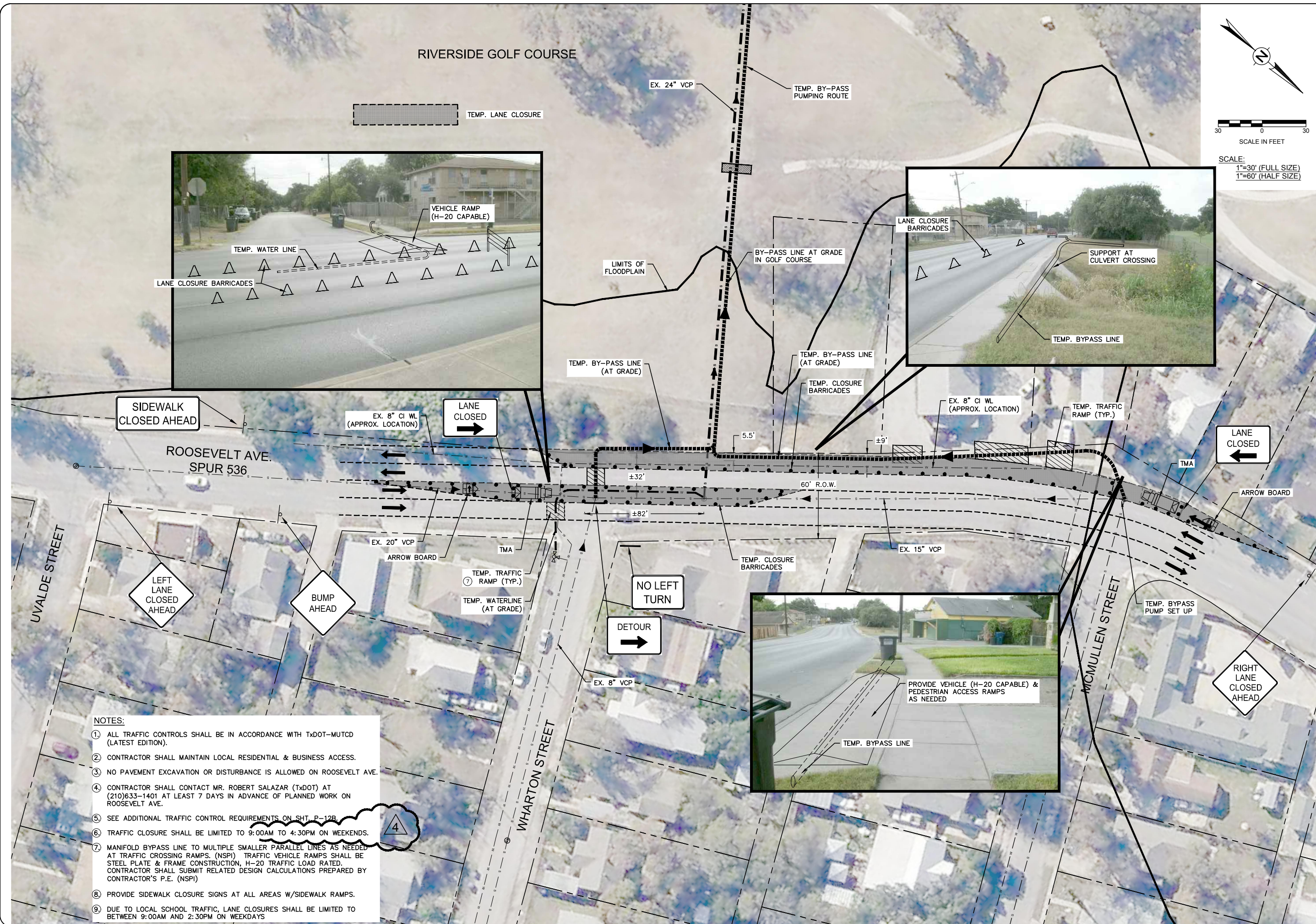
MULTIPLE SEWERSHED PACKAGE 2A

SAWS Job No. 17-4533

QUANTITY SUMMARY



F:\2017\117069 SAWS 2017 Pipeline Engr. WD Contract\117069.02 - Multiple Sewershed Package 2\Civil_3D\Drawings\Engineer\117069-Site 5 (TxDOT Permit).dwg



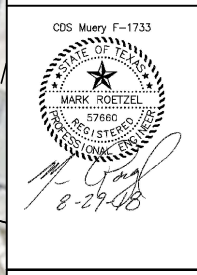
- NOTES:**
- ALL TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH TXDOT-MUTC (LATEST EDITION).
 - CONTRACTOR SHALL MAINTAIN LOCAL RESIDENTIAL & BUSINESS ACCESS.
 - NO PAVEMENT EXCAVATION OR DISTURBANCE IS ALLOWED ON ROOSEVELT AVE.
 - CONTRACTOR SHALL CONTACT MR. ROBERT SALAZAR (TXDOT) AT (210)633-1401 AT LEAST 7 DAYS IN ADVANCE OF PLANNED WORK ON ROOSEVELT AVE.
 - SEE ADDITIONAL TRAFFIC CONTROL REQUIREMENTS ON SHT. P-12B.
 - TRAFFIC CLOSURE SHALL BE LIMITED TO 9:00AM TO 4:30PM ON WEEKENDS.
 - MANIFOLD BYPASS LINE TO MULTIPLE SMALLER PARALLEL LINES AS NEEDED AT TRAFFIC CROSSING RAMPS. (NSPI) TRAFFIC VEHICLE RAMPS SHALL BE STEEL PLATE & FRAME CONSTRUCTION, H-20 TRAFFIC LOAD RATED. CONTRACTOR SHALL SUBMIT RELATED DESIGN CALCULATIONS PREPARED BY CONTRACTOR'S P.E. (NSPI)
 - PROVIDE SIDEWALK CLOSURE SIGNS AT ALL AREAS W/SIDEWALK RAMPS.
 - DUE TO LOCAL SCHOOL TRAFFIC, LANE CLOSURES SHALL BE LIMITED TO BETWEEN 9:00AM AND 2:30PM ON WEEKDAYS

DESIGN BY: MR	DATE: JULY 2018	APPROVED BY:	NO.	DATE	REVISIONS	BY
DRAWN BY: CDS		CDS JOB NO: 117069.02	4	8/29/18		
CHECKED BY: CR		DWG NAME: 117069.02				
REVIEWED BY: KR						

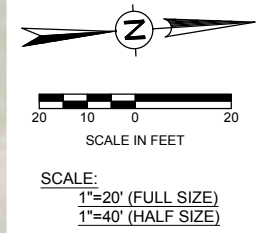


MULTIPLE SEWERSHED PACKAGE 2A

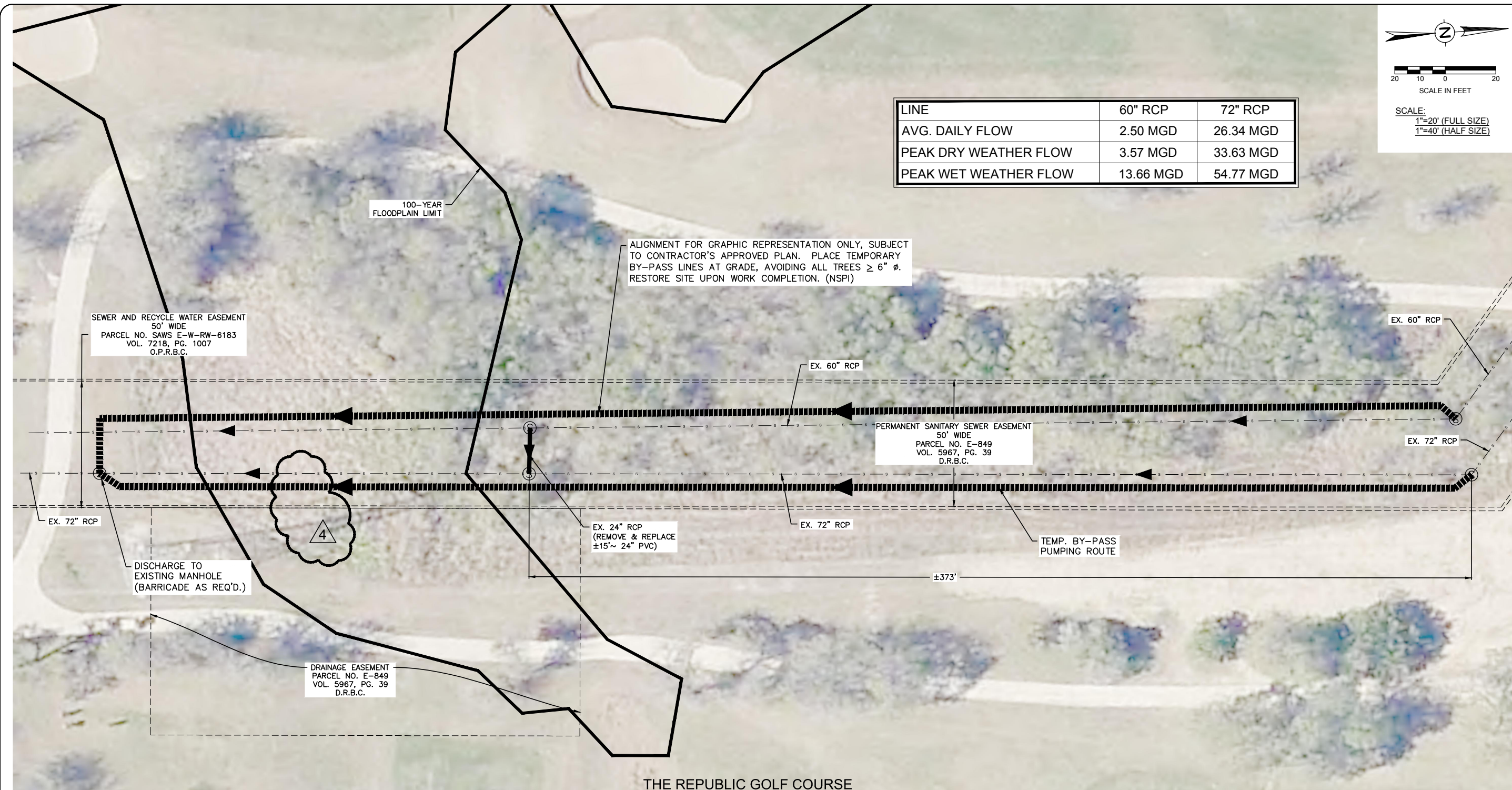
SAWS Job No. 17-4533
 SITE 5
 TEMPORARY TRAFFIC CONTROL PLAN



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LINE	60" RCP	72" RCP
AVG. DAILY FLOW	2.50 MGD	26.34 MGD
PEAK DRY WEATHER FLOW	3.57 MGD	33.63 MGD
PEAK WET WEATHER FLOW	13.66 MGD	54.77 MGD

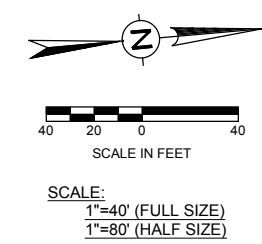


THE REPUBLIC GOLF COURSE

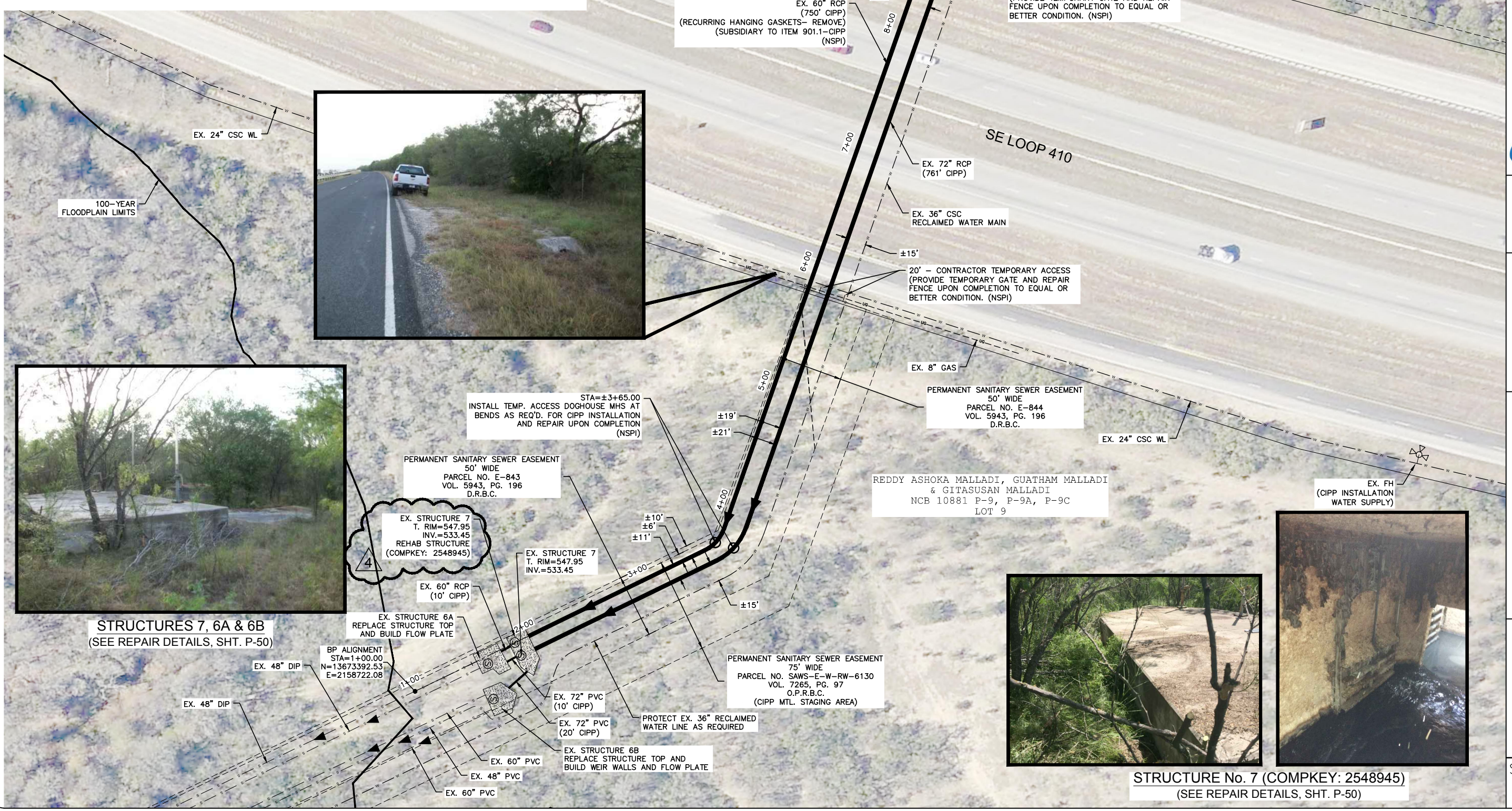
NOTES:
 1. ROUTE BYPASS LINES AT GRADE TO AVOID TREES AND VEGETATION.
 2. CONTRACTOR MAY INSTALL TEMP. DOGHOUSE MANHOLES ADJACENT TO REHABILITATION MANHOLES TO REDUCE BYPASS LENGTH IF DESIRED. (ITEM 864-S2)

 ENGINEERS • SURVEYORS DESIGN BY: MR. [Name] DATE: JULY 2018 DRAWN BY: CDS APPROVED BY: [Signature] CHECKED BY: CR CDS JOB NO.: 117069.02 REVIEWED BY: KR DWG NAME: 117069-S7 (BYPASS)	NO.	4	DATE	8/29/18	ADDENDUM No.	4	BY
	NO.		REVISIONS				
	MULTIPLE SEWERSHED PACKAGE 2A						
	SAWS Job No. 17-4533 SITE 7 TEMPORARY BY-PASS PUMPING PLAN						
Sheet P-33 40 of 87							

MULTIPLE SEWERSHED PACKAGE 2 PROJECT			
ESTIMATED QUANTITIES			Sheet Quantities
Item No.	Description	Unit	P-36 (SITE 8)
530	BARRICADES, SIGNS AND TRAFFIC HANDLING (SITE 8)	LS	1
550	TRENCH PROTECTION	LF	50
851-S	REPAIR EXISTING STRUCTURE (SITE 8, STRUCTURE 6A)	LS	1
851-S	REPAIR EXISTING STRUCTURE (SITE 8, STRUCTURE 6B)	LS	1
851-S	REPAIR EXISTING STRUCTURE (SITE 8, STRUCTURE 7)	LS	1
864-S2	BYPASS PUMPING LARGE DIAMETER (24" OR LARGER) (60"/72"-SITE 8)	LS	1
866	SEWER MAIN PRE-TELEVISION INSPECTION (27" OR LARGER)	LF	1,551
901.1	REHABILITATING OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (60")	LF	760
901.1	REHABILITATING OF SANITARY SEWER BY CURED-IN-PLACE (HOT WATER OR STEAM CURED) (72")	LF	791

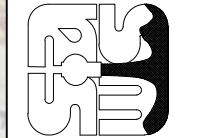


NOTE:
1. CONTRACTOR SHALL CONTACT PROPERTY OWNER AT LEAST 7 DAYS IN ADVANCE OF COMMENCING PLANNED WORK ON PRIVATE PROPERTY.



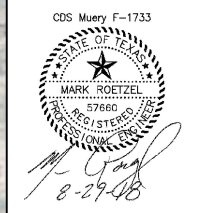
CDS muery
ENGINEERS • SURVEYORS

DESIGN BY: MR. DATE: JULY 2018
 DRAWN BY: CDS APPROVED BY:
 CHECKED BY: CR CDS JOB NO.: 117069.02
 REVIEWED BY: KR DWG NAME: 117069-SITE 8 (DPP)



MULTIPLE SEWERSHED PACKAGE 2A

SAWS Job No. 17-4533
 SITE 8
 CIPP PLAN (1 OF 3)



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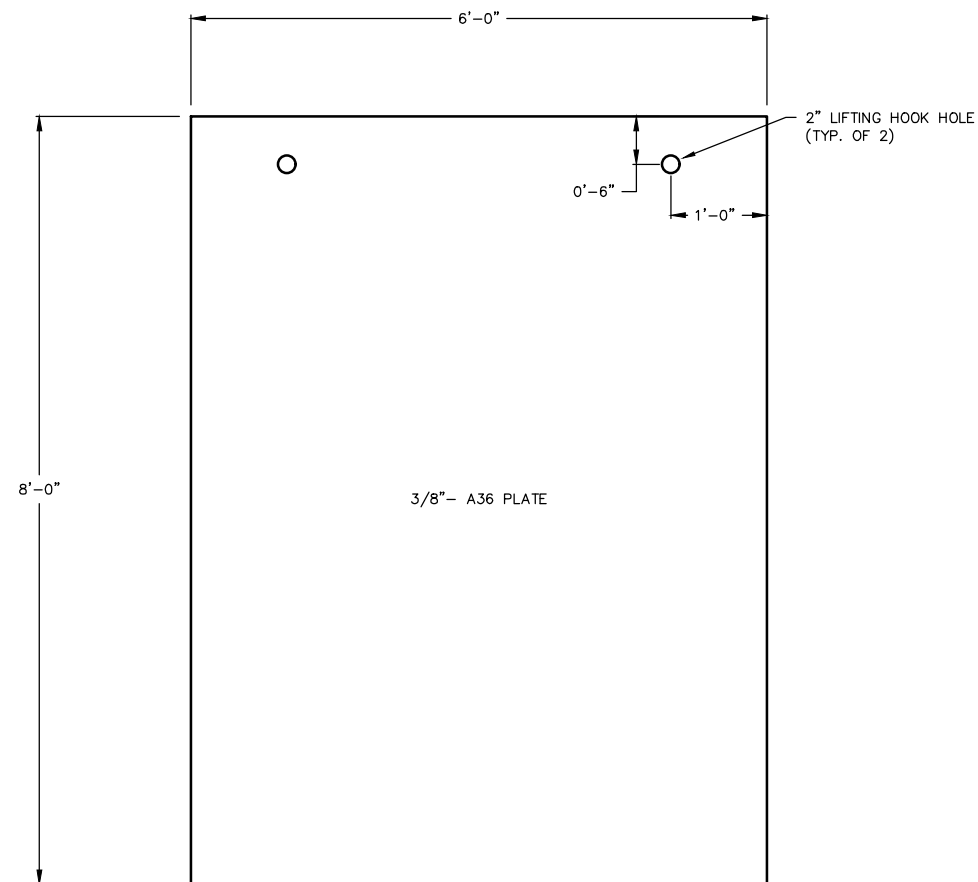


PLATE (FRONT)
N.T.S.

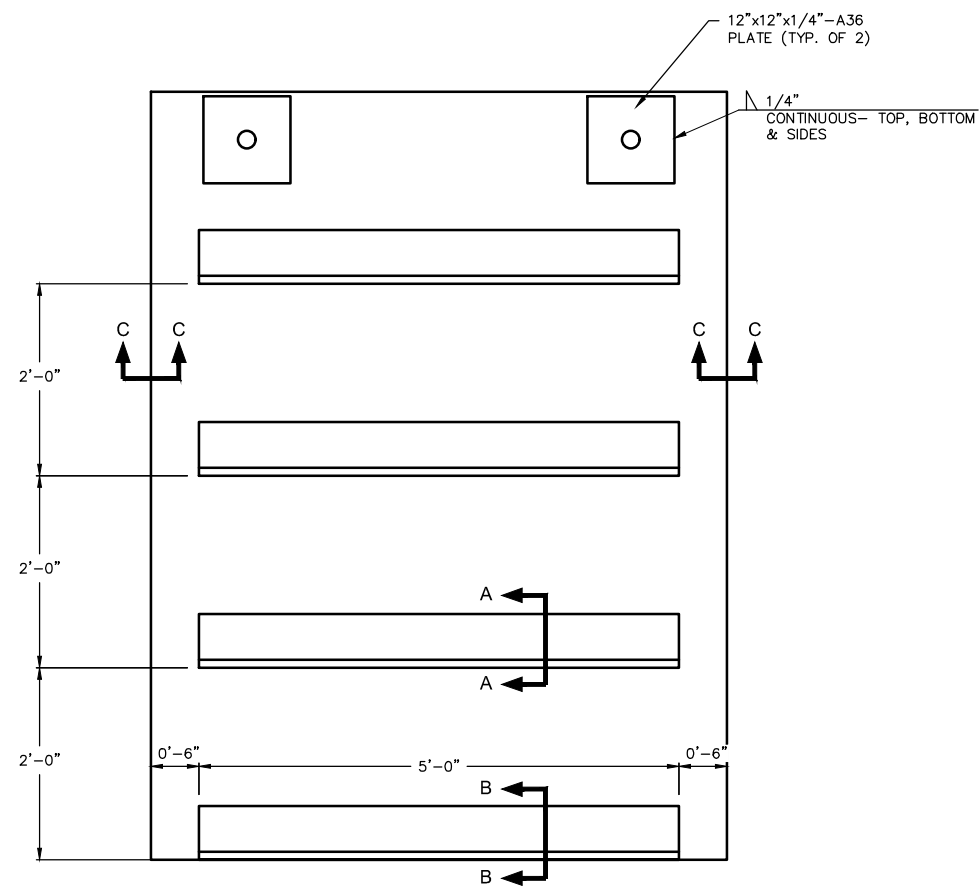


PLATE (BACK)
N.T.S.

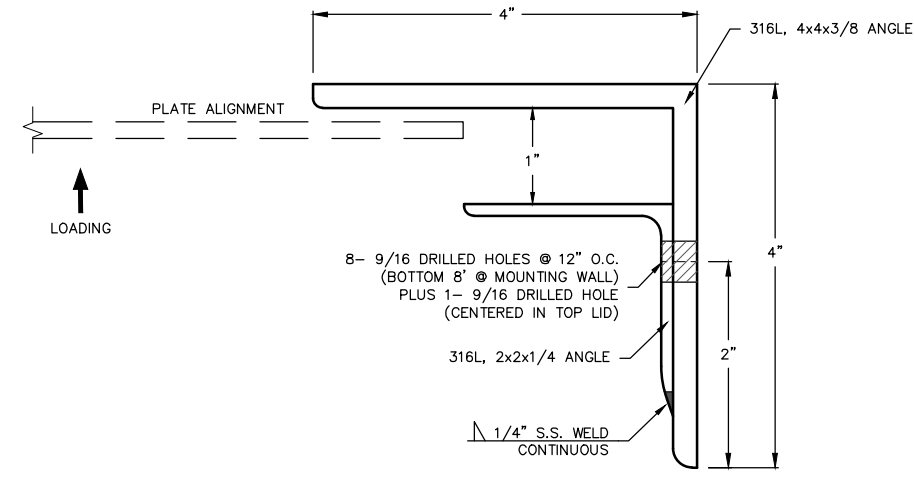
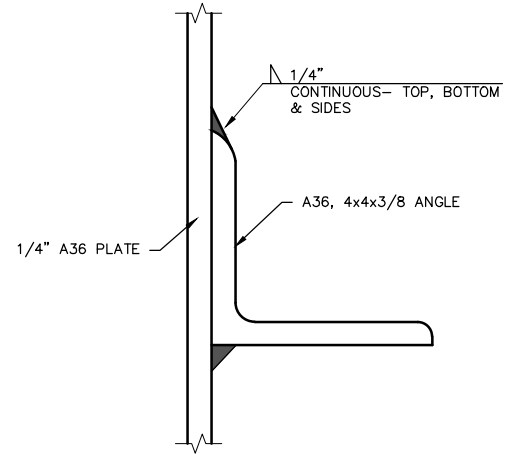
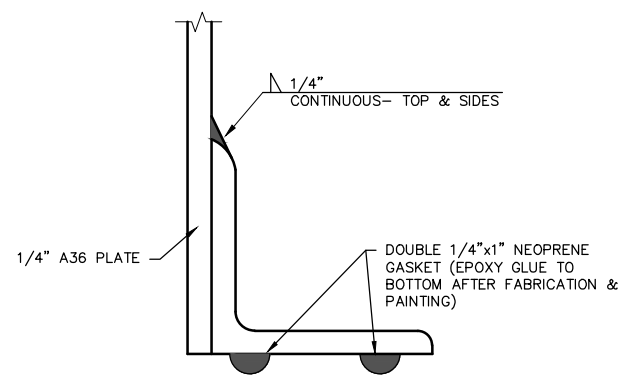


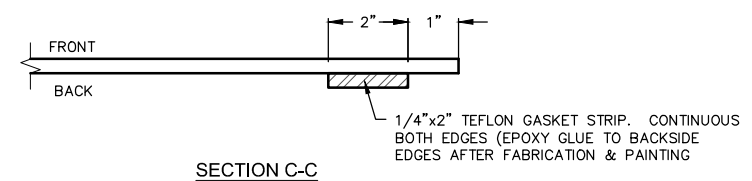
PLATE ANGLE BRACKET
N.T.S.



SECTION A-A
(TYP. OF 3)



SECTION B-B



SECTION C-C

PLATE & BRACKET NOTES:

1. STEEL PLATE AND ST. STL. BRACKETS SHALL BE SHOP FABRICATED. CONTRACTOR SHALL SUBMIT FABRICATION SHOP QUALIFICATIONS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
2. ALL WELDS AND SHARP EDGES SHALL BE GROUND SMOOTH AFTER ASSEMBLY, PRIOR TO PAINTING.
3. ASSEMBLED PLATE SHALL BE PREPARED TO NEAR-WHITE ABRASIVE BLASTING, PRIMED (TNEMEC SERIES 22 EPOXOLINE (WHITE), OR EQUAL) AND COATED WITH 2 COATS OF INDUSTRIAL EPOXY (6 MIL MIN. EACH COAT) (TNEMEC SERIES 22 EPOXOLINE (BEIGE), OR EQUAL).
4. BOTTOM NEOPRENE GASKETS AND BACKSIDE EDGE TEFLON GASKET STRIPS SHALL BE EPOXY GLUED TO FINISHED, PAINTED PLATE ASSEMBLY.
5. CONTRACTOR SHALL PROVIDE TWO (2) FINISHED PLATE ASSEMBLIES TO SAWS, DELIVERED TO THE SERVICE CENTER DIRECTED BY SAWS. PLACE PLATES ON WOODEN PALLETS TO PROTECT FROM DAMAGE, ANY FIELD PAINT ANY DAMAGE RESULTING FROM TRANSPORT OR HANDLING.
6. PLATES SHALL BE CONSIDERED SUBSIDIARY TO THE STRUCTURAL REHABILITATIONS (NSPI).
7. CHECK STRUCTURE FLOORS AT NEW PLATE LOCATIONS TO ENSURE LEVELNESS FOR WATER SEALING WITH PLATE-IN-PLACE. LEVEL AS NEEDED WITH SEWPERCOAT CEMENTATIOUS COATING (1/2" MIN. THICKNESS) (NSPI)

DESIGN BY: MR	DATE: JULY 2018	NO.	BY
DRAWN BY: CDS	APPROVED BY:	4	REVISIONS
CHECKED BY: CR	CDS JOB NO: 117069.02	8/29/18	ADDENDUM No. 4
REVIEWED BY: KR	DWG NAME: 117069.02		



MULTIPLE SEWERSHED PACKAGE 2A

SAWS Job No. 17-4533
SLIDE GATE DETAILS
(1 OF 2)

