



**SILVERHORN GOLF COURSE 24-INCH REHAB PACKAGE**  
**Solicitation Number: CO-00272**  
**SAWS Sewer Job No.: 18-4540**

**ADDENDUM 1**  
**August 7, 2019**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bidding documents 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 proposal.

**MODIFICATIONS TO SPECIFICATIONS**

1. Remove the Bid Proposal in its entirety and replace with the attached Bid Proposal. This revised version should be used by bidders when submitting a bid for this project. The following items were updated:
  - a. Updated Item numbers
  - b. Item No. 37 (Spec SS7003.2) – Updated quantity
2. Remove the Bid Packet Checklist in its entirety and replace with the attached Bid Packet Checklist.
3. Replace Supplemental Conditions in its entirety and replace with the attached Supplemental Conditions. This revised version should be used by bidders when submitting a bid for this project. The following items were updated:
  - a. Added requirement for submittal of resumes to item IB-1.
4. Replace Special Conditions in its entirety and replace with the attached Special Conditions. This revised version should be used by bidders when submitting a bid for this project. The following items were updated:
  - a. Section SC-2.5
5. Right of Entries (ROE) have been obtained by SAWS for the Silverhorn Golf Course and Park at West Avenue Apartments. See ROE documents attached to this addendum.

**MODIFICATIONS TO PLANS**

1. Plan sheet 3 – Replace sheet dated 7/25/2019 with attached sheet dated 8/7/2019.
2. Plan sheet 6 – Replace sheet dated 7/25/2019 with attached sheet dated 8/7/2019.
3. Plan sheet 7 – Replace sheet dated 7/25/2019 with attached sheet dated 8/7/2019.
4. Plan sheet 9 – Replace sheet dated 7/25/2019 with attached sheet dated 8/7/2019.
5. Plan sheet 12 – Replace sheet dated 7/25/2019 with attached sheet dated 8/7/2019.

**RESPONSES TO QUESTIONS**

1. The total value of the CIPP items will not surpass the 40% Prime self-perform threshold. Support components on CIPP projects, such as Clean/TV, Obstruction Removal, Point Repairs, Temporary Roads, Bypass Pumping,

Irrigation/Drainage and Site Restoration are routinely performed by subcontractors. The exception are companies structured like PM Construction & Rehab, LLC dba IPR South Central. Viable competition is a benefit to SAWS and its customers. The current language excludes Insituform from legitimately bidding as a Prime. Will SAWS please waive the 40% self-perform criteria which would then allow other qualified CIPP focused companies to legitimately bid as Prime?

*Answer: The requirement for the Prime Contractor to self-perform 40% of the project will not be changed.*

- 2. Please change the wording on the Statement of Bidder's Experience to allow a qualified **Bidder or it's qualified Subcontractor** to install CIPP as is worded on the Statement of Experience for the Bypass provider. A qualified CIPP installer (Subcontractor or Prime) that has always been approved by SAWS on past CIPP projects, all diameters, should be able present CIPP qualifications/acceptable experience in order to participate as a subcontractor. The current wording prevents a truly qualified CIPP installer from teaming with a qualified Prime contractor that does not happen to install CIPP.*

*Answer: As this project consists solely of sewer rehabilitation of CIPP for larger diameter pipes, the experience requirements shall not be changed.*

- 3. Will SAWS change the wording on the Statement of Bidder's Experience to allow a qualified **Bidder or it's qualified Subcontractor** to install CIPP as is worded on the Statement of Experience for the Bypass provider?*

*Answer: As this project consists solely of sewer rehabilitation of CIPP for larger diameter pipes, the experience requirements shall not be changed.*

- 4. What is your estimated cost for the Silverhorn Golf Course 24-Inch Rehab Package?*

*Answer: Refer to Clarifications, item 1.*

- 5. The items in the bid schedule skip from bid item 27 to 31. Please confirm that this is just a numbering issue and there are no items missing from the bid schedule.*

*Answer: This was a numbering issue. Please see the updated Bid Proposal attached to this addendum.*

- 6. Special provision section 552.6 defines the minimum length for irrigation pipe and storm drain pipe/tile repairs for bid items 14, 15 & 18, but it does not define a maximum length for each repair. Please provide the max length that would be covered under each repair before it would be considered the start of another repair.*

*Answer: The length of repair is governed by the contractor's proposed excavation footprint. The intent of the pay item is to cut the irrigation piping prior to full excavation to avoid damage to adjacent irrigation piping. Contractor shall establish location of initial cut/cap based on his means and methods.*

- 7. Please confirm that, for the 30" pipe that crosses under the dam from MH 52919 to MH 53151 on sheets 7 & 8, the contractor will need to use the max soil depth of the pipe segment as shown on the profile for calculating the CIPP thickness, and that using the depths of the manholes for soil loading on this segment will not be accepted. Also, since groundwater would never be at the surface at the deepest point of soil cover for this pipe (at the top of the dam), and any design showing it at that height would make the CIPP too thick to install, please confirm that groundwater loading for this segment should correspond to the height of the deepest manhole on the segment instead.*

*Answer: The elevation for the top of the dam shown on sheet 7 shall govern for CIPP liner thickness. Groundwater depth for this segment shall correspond to the ground elevation at MH 52919.*

- 8. The table of estimated quantities on drawing sheet 12 does not include several of the items of work shown on that sheet, and appears to have incorrect quantities for other items. Does this table need to be corrected?*

*Answer: Sheet 12 has been updated and is attached to this addendum.*

9. The presentation from the mandatory pre-bid meeting indicates that resumes for the project manager and the superintendent must be submitted with the bid, but the Bid Packet Checklist and the Statement of Bidder's Experience form in the specifications do not call for these resumes to be submitted. Please clarify whether these resumes must be submitted with the bid.

Answer: Project Manager and Superintendent resumes are required. See the revised Bid Packet Checklist and IB-1 in Supplemental Conditions attached to this addendum.

10. The specification book only contains one ROE agreement. Is this the only ROE agreement anticipated to be needed for the project, or are other agreements still pending?

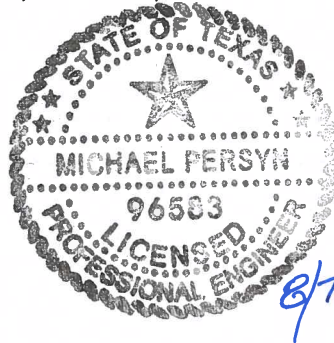
Answer: Right of Entries for Silverhorn Golf Course and Park at West Avenue Apartments have been obtained by SAWS and are attached to this addendum.

#### CLARIFICATIONS

1. The Engineer's Opinion of Probable Cost (OPCC) has been updated. The revised OPCC is \$2,495,304.



Michael Persyn, P.E.  
K Friese + Associates, Inc. (TBPE F-6535)



END OF ADDENDUM 1

This Addendum, including these three (3) pages, is thirty-six (36) pages with attachments in its entirety.

Attachments: Bid Packet Checklist  
Bid Proposal (BP-1 through BP-3)  
Supplemental Conditions (SS-1 through SS-3)  
Special Conditions (SC-1 through SC-6)  
Right of Entry Documents  
Plan sheets 3, 6, 7, 9, 12

**BID PACKET CHECKLIST**  
**Silverhorn Golf Course 24-Inch Rehab Package Project**  
**SAWS Job No. 18-4540**  
**SAWS Solicitation No. CO-00272**

**This checklist is a required document that must be utilized and submitted with the Bid Packet. The Bid Packet should include the following items:**

- Bid Packet Checklist
- Signed Bid Proposal and Acknowledgement of All Addendums
- Signed Proposal Certification
- Bid Bond/Cashier's Check
- Statement on President's Executive Orders – Page IB – 7
- Completed Good Faith Effort Plan
- Conflict of Interest Questionnaire - Form CIQ (*Rev. 11/30/2015*)
- Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)
- Company Information Packet
- Statement regarding ability to complete the project
- W-9
- Statement of Bidder's Experience
- Baseline Schedule
- Project Manager resume – refer to Special Provisions to Technical Specifications
- Superintendent resume – refer to Special Provisions to Technical Specifications

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 LIST OF BID ITEMS***

\_\_\_\_\_  
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 **240** 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.

Item No.	Spec No.	Bid Items Specification No. & Description	Unit	Qty.	Unit Price	Total Price
1	103.3	REMOVE SIDEWALKS AND DRIVEWAYS (COSA SPEC)	SF	5051	\$	\$
2	SP164.1	CELLULOSE FIBER MULCH SEEDING (PERM) (TXDOT SPEC)	SY	3508	\$	\$
3	SP164.2	DRILL SEEDING (PERM) (TXDOT SPEC)	SY	21559	\$	\$
4	SP164.3	CELLULOSE FIBER MULCH SEEDING (WILDFLOWERS) (TXDOT SPEC)	SY	1003	\$	\$
5	169	SOIL RETENTION BLANKET (CL 1) (TY A)	SY	21559	\$	\$
6	205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (4" COMPACTED DEPTH) (COSA SPEC)	SY	46	\$	\$
7	502	CONCRETE SIDEWALK (COSA SPEC)	SY	562	\$	\$
8	SP502	BARRICADES, SIGNS, AND TRAFFIC HANDLING (TXDOT SPEC)	LS	1	\$	\$
9	SP515	TOPSOIL (4" THICK)	SY	4276	\$	\$
10	516.1	BERMUDA SODDING (COSA SPEC)	SY	4276	\$	\$
11	SP540	TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION PREVENTION AND CONTROL (COSA SPEC)	LS	1	\$	\$
12	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	222	\$	\$
13	SP552.1	REPLACE SPRINKLER HEAD	EA	10	\$	\$
14	SP552.2	REPAIR IRRIGATION PIPING (UP TO 2" DIAMETER)	EA	5	\$	\$
15	SP552.3	REPAIR IRRIGATION PIPING (3" TO 4" DIAMETER)	EA	5	\$	\$
16	SP552.4	REPLACE IRRIGATION CONTROL VALVE (UP TO 2" DIAMETER)	EA	5	\$	\$
17	SP552.5	REPLACE IRRIGATION CONTROL VALVE (3" TO 4" DIAMETER)	EA	5	\$	\$
18	SP552.6	REPAIR GOLF COURSE DRAIN TILES	EA	5	\$	\$
19	851	ADJUST EXISTING MANHOLES	EA	10	\$	\$
20	852	4' DIA. SANITARY SEWER MANHOLE	EA	1	\$	\$
21	852	EXTRA DEPTH MANHOLE	VF	3.4	\$	\$
22	855	RECONSTRUCTION OF EXISTING MANHOLES	EA	2	\$	\$
23	SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS)	LS	1	\$	\$
24	866	SEWER MAIN TELEVISION INSPECTION (8" TO 24")	LF	3426	\$	\$
25	866	SEWER MAIN TELEVISION INSPECTION (27" AND LARGER)	LF	314	\$	\$
26	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (24")	LF	3426	\$	\$
27	SP901.2	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (30")	LF	314	\$	\$
28	SS910.1	MANHOLE REHABILITATION (STANDARD MANHOLES UP TO 5' DIA.)	VF	109.1	\$	\$
29	SS910.3	CHEMICAL GROUT INJECTION	GAL	40	\$	\$
30	SS1020	GOLF COURSE RESTORATION ALLOWANCE	ALW	1	\$200,000.00	\$200,000.00
31	SP1103.1	POINT REPAIRS FOR 24" DIAMETER (6'-10' DEPTH)	EA	9	\$	\$
32	SP1103.2	POINT REPAIRS FOR 24" DIAMETER (10'-14' DEPTH)	EA	5	\$	\$
33	SP1103.3	EXTRA LENGTH POINT REPAIRS FOR 24" DIAMETER (6'-10' DEPTH)	LF	72	\$	\$
34	SP1103.4	EXTRA LENGTH POINT REPAIRS FOR 24" DIAMETER (10'-14' DEPTH)	LF	60	\$	\$

Item No.	Spec No.	Bid Items Specification No. & Description	Unit	Qty.	Unit Price	Total Price
35	SP1103.5	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 24" - 30" DIAMETER, ALL DEPTHS	EA	11	\$	\$
36	SS7003.1	CONSTRUCTION SAFETY FENCING	LF	2305	\$	\$
37	SS7003.2	TEMPORARY CHAIN LINK FENCE	LF	820	\$	\$
38	SS9999	PROTECTIVE MATS	SY	14787	\$	\$
SUBTOTAL (ITEMS 1 - 38)					\$	

39	SP100.1	INTERMEDIATE DEMOBILIZATION/REMOBILIZATION	EA	5	\$	\$
40	100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEMS 1-38	LS	1	\$	\$
41	101	PREPARING ROW, MAX 5% OF LINE ITEMS 1-38	LS	1	\$	\$

Mobilization and Prep of ROW shall be limited to the maximum percentage shown. **If the percentage exceeds the allowable maximum stated for mobilization and or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.**

<b>TOTAL BID PRICE</b>					\$	
<b>(TO INCLUDE LINE ITEMS 1-38 AND 39-41)</b>						

# Supplemental Conditions

## Instructions to Bidders IB-1

IB-1 Instructions to Bidders IB-1, Page IB-7, Item 24 shall be replaced with:

24. To assist the San Antonio Water System Contracting Office in performing the bidder evaluation and subsequent recommendation of award, all bidders will submit the following items with their bids on the day of the bid opening. Failure to provide the required information may result in determining a nonresponsive bidder:
- (a) An information packet on company showing experience, organization and equipment.
  - (b) A statement regarding ability to complete the project within the schedule taking into account existing commitments.
  - (c) A completed and signed W-9 Request for Taxpayer Identification Number and Certification form.
  - (d) Statement of Bidder's Experience
  - (e) A baseline schedule in Microsoft Project Format, outlining completion of the project within SAWS schedule requirements. Baseline schedule should be prepared using a notice to proceed (NTP) date of September 16, 2019. Refer to Special Conditions part SC 2.4 for additional schedule requirements.
  - (f) Project Manager resume as outlined in the Special Provisions to the Technical Specifications
  - (g) Superintendent resume as outlined in the Special Provisions to the Technical Specifications

The remainder will remain unchanged.

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## ARTICLE IV- CONTRACT ADMINISTRATION

Section 4.4 of the general conditions shall be amended to add the following:

**CONTRACTORS** – The Contractor shall perform the Work with its own organization on at least 40% of the total original contract price.

The term to “perform the Work with its own organization” is defined herein as utilizing only:

- Workers employed and paid directly by the Contractor or a wholly owned subsidiary of the contractor.
- Equipment owned by the contractor or its wholly owned subsidiary.
- Rented or leased equipment operated by the Contractor’s, or its wholly owned subsidiaries, employees.
- For purposes of determining the value of the Work self performed, the amount shall include all materials incorporated into the Work where the majority of the value of the Work involved in incorporating the material is performed by the Contractor’s own



- Organization, including wholly owned subsidiary; and
- Labor provided by staff leasing firms licensed under Chapter 91 of the Texas Labor code for non supervisory personnel if the contractor or wholly owned subsidiary maintains direct control over the labor.

Remove Section 4.6.2.1 in its entirety and replace with the following:

**TERMINATION FOR CONVENIENCE** - The right to terminate this Contract for the convenience of Owner (including, but not limited to, non-appropriation of funding) expressly is retained by Owner. In the event of a termination for convenience by Owner, Owner shall, at least ten (10) calendar days in advance, deliver written notice of the termination for convenience to Contractor. Upon Contractor's receipt of such written notice, Contractor immediately shall cease the performance of the Work and shall take reasonable and appropriate action to secure and protect the Work then in place. Contractor shall then be paid by Owner, in accordance with the terms and provisions of the Contract Documents, an amount not to exceed the actual labor costs incurred, the actual cost of all materials installed and the actual cost of all materials stored at the Project site or away from the Project site, as approved in writing by Owner, but not yet paid for and which cannot be returned; and actual, reasonable and documented demobilization costs, if any, paid by Contractor and approved by Owner in connection with the Work in place which is completed as of the date of termination by Owner and that is in conformance with the Contract Documents, less all amounts previously paid for the Work. No amount ever shall be owed or paid to 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.

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## **Article V- Contractor 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.

The remaining sections of Article V shall remain the same.

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#### **ARTICLE VI – CONTRACT CHANGES**

6.4 Delete section 6.4 in its entirety.

6.6 Delete section 6.6 in its entirety.

The remaining sections of Article VI shall remain the same.

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#### **Article VIII. - Contract Completion Time**

Section 8.6 Liquidated Damages for Failure to Complete on Time: of the General Conditions shall be amended as follows:

Add the following to the end of the paragraph:

Liquidated Damages, will be assessed as follows for final completion of all pipe segments shown in the Bid Documents.

<b>Liquidated Damages Charges</b>		
<b>Category</b>	<b>Duration (days)</b>	<b>Charge \$ (per day)</b>
Tier 1	1-7	\$460
Tier 2	8-14	\$540
Tier 3	15-21	\$600
Tier 4	22-28	\$640
Tier 5	29-35	\$670
Tier 6	36-42	\$690

Any days tallied after 42 days will be assessed as Tier 6 rate. The remaining sections of Article VIII shall remain the same.

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# Special Conditions

## SC-1.0 SCOPE OF WORK

The San Antonio Water System is soliciting Bids for the purpose of retaining a Contractor to perform the rehabilitation and replacement of existing SAWS sanitary sewer pipeline facilities using Cured-In-Place Pipe (CIPP) and point repairs. The work will also involve rehabilitation, repair, and/or upgrade of associated manhole structures, and reconnection of all lateral services. These quantities are estimates only. All quantities are estimated in the proposal, and it is the intent of the proposal and quantities to establish a fixed unit price for various line items to be paid to the Contractor by SAWS during the term of this contract. No change in the unit price will be made, regardless of the actual quantity of the item of work performed during the term of the contract. Some of the work involved in the project may require but is not limited to: installation, replacement, or removal of sidewalks, topsoil, and sodding.

## SC 2.0 - PROJECT REQUIREMENTS

Contractor shall submit a completion report to SAWS when construction is completed. The completion report shall include but not limited to the following:

- Pre and post MPEG-1 format and written to CD/DVD video and video logs.

Any test and/or submittals specified in this contract documents such as density tests, structural properties, etc. that are required.

## SC 2.1 - SPECIFICATIONS

All work performed shall be in accordance with the Contract Documents and the current San Antonio Water System Specifications for Water and Sanitary Sewer Construction, these Special Conditions, the current Texas Department of Transportation Standard Specification for Construction of Highways, Streets, and Bridges, the current City of San Antonio Standard Specifications for Public Work Construction, City of San Antonio Utility Excavation Criterial Manual, or specifications and requirements of any other governing jurisdiction that may apply.

## SC 2.2 - PAYMENT

- I. As specified in the Contract Documents unit price cost for the items bid shall include all the necessary and incidental work as subsidiary to the bid item, unless specifically called out in the plans or approved by SAWS. Pay items indicating no separate or additional pay for incidental, related, associated or other work will take precedence if in conflict with other pay provisions. If no pay item is included for any stipulated item, it will be considered as subsidiary to other pay items.
- II. It is the Contractor's responsibility for the preparation, research, submittal and layout of the location specific submittals, including the Storm Water Pollution Prevention Plan, Traffic Control Plan, the Bypass Pumping Plan, and its approvals at no cost to

SAWS. If no pay item is included for any stipulated item, it will be considered as subsidiary to other pay items. Tree Preservation Protection work shall be subsidiary to Item 101 Preparing Right-of-Way. Tree Protection Permit has been obtained by SAWS for this project and is attached to Appendix A.

- III. There will be no measurement or payment for insurance; bonding; and permitting costs on this contract. Clearing, grubbing, and tree pruning shall be subsidiary to Item 101 Preparing Right-of-Way.

### SC 2.3 – TxDOT AND CoSA REQUIREMENT

- a. Contractor is to follow all TxDOT and CoSA requirements for project signage and visible identification when working within TxDOT and CoSA ROW.

### SC-2.4 COORDINATION

- a. **ACCESS TO EASEMENT AREAS:** Access to some easements will require close coordination with landowners and their tenants, if any. The Contractor shall coordinate with the Inspector to provide notice to all involved parties well in advance of the work and indicate when field work will begin at each project location and provide an explanation of the type of work to be done and approximate schedule. The Contractor will bear full responsibility for any and all of his actions or results of any of his activities, intended or not, regardless where his work is taking place.

b. **GOLF COURSE COORDINATION AND MILESTONES**

1. Silverhorn Golf Course will generally maintain normal operations throughout the construction project except as noted in this section. Night work may be required. Contractor will need to coordinate activities impacting golf play on Hole 1 and Hole 6 with the Golf Course Superintendent to minimize the impacts to the golf course. Active construction work (clearing the access route, installing bypass, cleaning or televising lines, performing point repairs, installation/curing of liner, performing manhole rehabilitation) will not be allowed during weekends except for the locations noted below (subject to the date restrictions in part SC2.1.b.4 of this section):

- STA 16+00 to STA 23+00

Bypass pumping may remain operational during the night and over the weekend. Liner installation shall be scheduled so that is complete prior to the weekend.

2. Silverhorn Golf Course will close Hole 6 to golf play to allow for point repairs to be completed. Protective mat placement on Hole 6 shall not begin prior to November 1, 2019 to accommodate Silverhorn Golf Course scheduled events. All cleaning, point repairs and sewer rehabilitation work on Hole 6 (Segments 1002530, 1013904, and 1013905) is to be completed by February 14, 2020.
3. The point repair shown near Station 14+76 (near cart path at Hole 6) is required to address a large void. Contractor shall complete the point repair at this location as

soon as practical after bypass system is operational but not later than January 10, 2020.

4. Contractor shall coordinate restoration of golf course fairways and greens under pay item "Silverhorn Golf Course Allowance" with Golf Course Superintendent.
5. The below dates shall be considered non-working days due to golf course activities. 2020 dates shown are approximate and have not yet been finalized - Contractor shall coordinate final dates with Golf Course Superintendent.

September 16, 2019	No January 2020 Dates	April 28, 2020
September 19-20, 2019	February 17, 2020	April 30, 2020
September 23, 2019	February 21, 2020	May 1, 2020
September 27-29, 2019	March 7-8, 2020	May 4, 2020
October 1, 2019	March 26, 2020	May 7-9, 2020
October 5, 2019	March 28, 2020	May 11, 2020
October 11, 2019	April 6, 2020	May 15, 2020
October 18-19, 2019	April 9, 2020	May 18-19, 2020
November 8-9, 2019	April 13-17, 2020	May 22-23, 2020
November 15, 2019	April 20, 2020	May 29, 2020
No December 2019 Dates	April 24, 2020	June 6, 2020
		June 20, 2020

c. APARTMENT COMPLEX COORDINATION

1. Contractor shall coordinate rehabilitation work within the Park at West Avenue Apartment Complex to minimize disruptions to the apartment complex. Working hours within the apartment complex shall be limited to 8:00 AM to 6:00 PM except during active liner insertion or curing periods.

SC-2.5 PERMITS

- a. The Owner is in the process of obtaining a Floodplain Development Permit from the City of San Antonio. The Owner has obtained a Tree Permit from the City of San Antonio and a ROW Permit from TxDOT. Contractor shall not begin clearing work until Owner has provided Contractor with copies of the approved Tree Permit. Contractor shall notify the appropriate City or TxDOT department prior to construction per the notes in the plans and shall adhere to the terms of the permits included with the Contract Documents. Contractor is responsible for all other required permits per the General Conditions.
- b. The Owner has coordinated with the Texas Historical Commission. The project is located within the Walker Ranch National Register District with the potential to contain cultural

deposits. Contractor shall coordinate with the design engineer to schedule cultural resources monitoring prior to any open cut excavation for point repairs.

### SC-3.0 EXISTING SEWER CCTV

CCTV videos of the existing sewer mains are available to download. To obtain a copy of the videos, Contractors must complete the disclaimer form at the following link on SAWS website: [http://www.saws.org/business\\_center/ContractSol/](http://www.saws.org/business_center/ContractSol/). Please submit the form via email to Fred Flores, Contract Administrator via email at Fred.Flores@saws.org. CCTV videos will be provided once the disclaimer form is submitted. All Contractors shall be required to execute the disclaimer form and submit it as part of their proposal. Failure to execute this disclaimer may be grounds for SAWS to reject the proposal as being unresponsive.

#### SC 4.0 – CONSENT DECREE NOTICE PROVISION

The San Antonio Water System (“SAWS”), the United States of America and the State of Texas have entered into a Consent Decree in Civil Action No. 5:13-cv-00666- DAE, United States of America and State of Texas v. San Antonio Water System, in the United States District Court for the Western District of Texas, San Antonio Division (the “Consent Decree”). A copy of the Consent Decree is available at

<http://www.saws.org/Infrastructure/EPA/download.cfm>

Work performed pursuant to this contract is work that SAWS is required to perform pursuant to the terms of the Consent Decree. In the event of any conflict between the terms and provisions of this Consent Decree Notice Provision and any other terms and provisions of this Contract or the Contract Documents, the terms and provisions of this Consent Decree Notice Provision shall prevail.

##### **A. Retention of documents.**

Contractor shall retain and preserve all non-identical copies of all documents, reports, research, analytical or other data, records or other information of any kind or character (including documents, records, or other information in electronic form including, but not limited to e-mails) in its or its sub-contractors’ or agents’ possession or control, or that come into its or its sub-contractors’ or agents’ possession or control, and that relate in any manner to this contract, or the performance of any work described in this contract (the “Information”). This retention requirement shall apply regardless of any contrary corporate or institutional policy or procedure or legal requirement. Contractor, Contractor’s sub-contractors and agents shall retain and shall not destroy any of the Information until such time as Contractor has received written approval from the General Counsel of SAWS that the Information or any part of the Information may be destroyed. Contractor shall, within 30 days after receipt of a written request by SAWS, deliver the Information to SAWS. Contractor shall instruct and require its agents and sub-contractors performing any part of the work described in this contract to comply with the requirements of this paragraph.

##### **B. Notification of events that may cause delay.**

If any event occurs that may delay performance by Contractor, or Contractor’s agents or sub-contractors of any work or obligation of any kind under this contract, Contractor shall provide notice in accordance with the Notice Provisions of this contract to SAWS within two (2) business days of the date Contractor or Contractor’s agents or sub-contractors first knew that the event might cause a delay. Contractor shall provide a written explanation and description of the reasons for the delay, the anticipated duration of the delay, all actions taken or to be taken to prevent or minimize the delay, and a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay. **TIME IS OF THE ESSENCE** in the performance of the requirements of this paragraph and of any work to be performed by the Contractor in this contract.

##### **C. Liability for stipulated penalties.**

The Consent Decree provides that the United States of America, the United States Environmental Protection Agency and the State of Texas may assess stipulated penalties against

SAWS upon the occurrence of certain events. To the extent that Contractor or Contractor's agents or sub-contractors cause or contribute to, in whole or in part, the assessment of any stipulated penalty against SAWS, Contractor agrees that it shall pay to SAWS the full amount of any stipulated penalty assessed against and paid by SAWS that is caused or contributed to in whole or in part by any action, failure to act, or failure to act within the time required by any provision of this contract. Contractor shall also pay to SAWS all costs, attorney fees, expert witness fees and all other fees and expenses incurred by SAWS in connection with the assessment or payment of any such stipulated penalties, or in contesting the assessment or payment of any such stipulated penalties. In addition to any and all other remedies to which SAWS may be entitled at law or in equity, Contractor expressly authorizes SAWS to withhold all amounts assessed and paid as stipulated penalties, and all associated costs, fees, or expenses from any amount unpaid to Contractor under the terms of this contract, or from any retainage provided in the contract.



## RIGHT OF ENTRY AGREEMENT

STATE OF TEXAS           §  
  §           KNOW ALL MEN BY THESE PRESENTS  
COUNTY OF BEXAR       §

**THIS RIGHT OF ENTRY AGREEMENT** (this "Agreement") is entered into this 19 day of JUNE, 2019 by and between the **SAN ANTONIO WATER SYSTEM** ("Grantee") and **PURE PW APTS, LLC**, a Texas limited liability company (referred to as "OWNER", whether one or more).

**Property:** 12803 West Avenue, San Antonio, Bexar County, Texas 78216, as depicted in Exhibit "A" attached hereto (the "Property").

**Legal Description:** BCAD Property ID: 1183550: New City Block 16325 BLK 1 LOT 6 (WEST AVE SUBD)

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

Grantee and its contractors and assigns shall have two hundred forty (240) days from Grantee's first entry upon the Property, as evidenced by notice to OWNER that such first entry has occurred, but in all events to expire not later than December 31, 2020, to enter upon the Property for purposes of (i) ingress and egress to and from Grantee's sewer easement and (ii) bypass pumping operations, in the areas labeled as "Work Area" and "Access Area" shown on Exhibit "B" attached hereto and incorporated herein. The Special Conditions attached hereto as Exhibit "C" are incorporated herein and made a part of this Agreement. Grantee shall not unreasonably interfere with any existing operations on the Property, and Owner shall not unreasonably interfere with Grantee's operations permitted under this Agreement. Furthermore, Grantee shall reasonably repair any physical damage to the Property resulting from such ingress, egress, and bypass pumping operations so as to cause the Property to be in substantially the same condition as of the date hereof. Grantee and its contractors and assigns shall also have the right to enter upon the property for pre-construction, non-invasive site visits.

Grantee shall make reasonable efforts to provide reasonable notice to OWNER of the dates and anticipated durations of the necessary work.

This Agreement shall be construed and enforced in accordance with the laws of the State of Texas.

{Signatures start on next page}

Project Name: Silverhorn Golf Course  
24-Inch Rehab Package  
Job No.: 18-4540

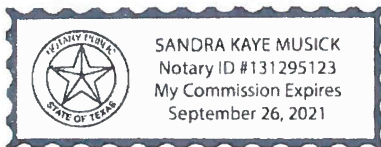
**OWNER:**  
PURE PW APTS LLC,  
a Texas limited liability company

By: *Janet Jackson*  
Printed Name: Janet Jackson  
Title: Director  
Phone: (469) 782-9633

STATE OF TEXAS       §  
                                  §  
COUNTY OF Collin   §

This instrument was acknowledged before me on this 19 day of June, 2019, by Janet Jackson, Director of PURE PW APTS, LLC, a Texas limited liability company, on behalf of said Texas limited liability company.

*Sandra Kaye Musick*  
Notary Public

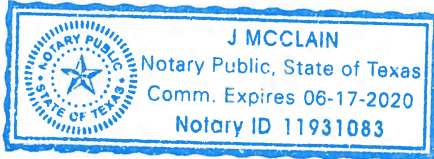


**GRANTEE:**  
CITY OF SAN ANTONIO, ACTING BY AND  
THROUGH ITS SAN ANTONIO WATER  
SYSTEM:

By: *Nancy Belinsky*  
Printed Name: Nancy Belinsky  
Title: Vice President and General Counsel

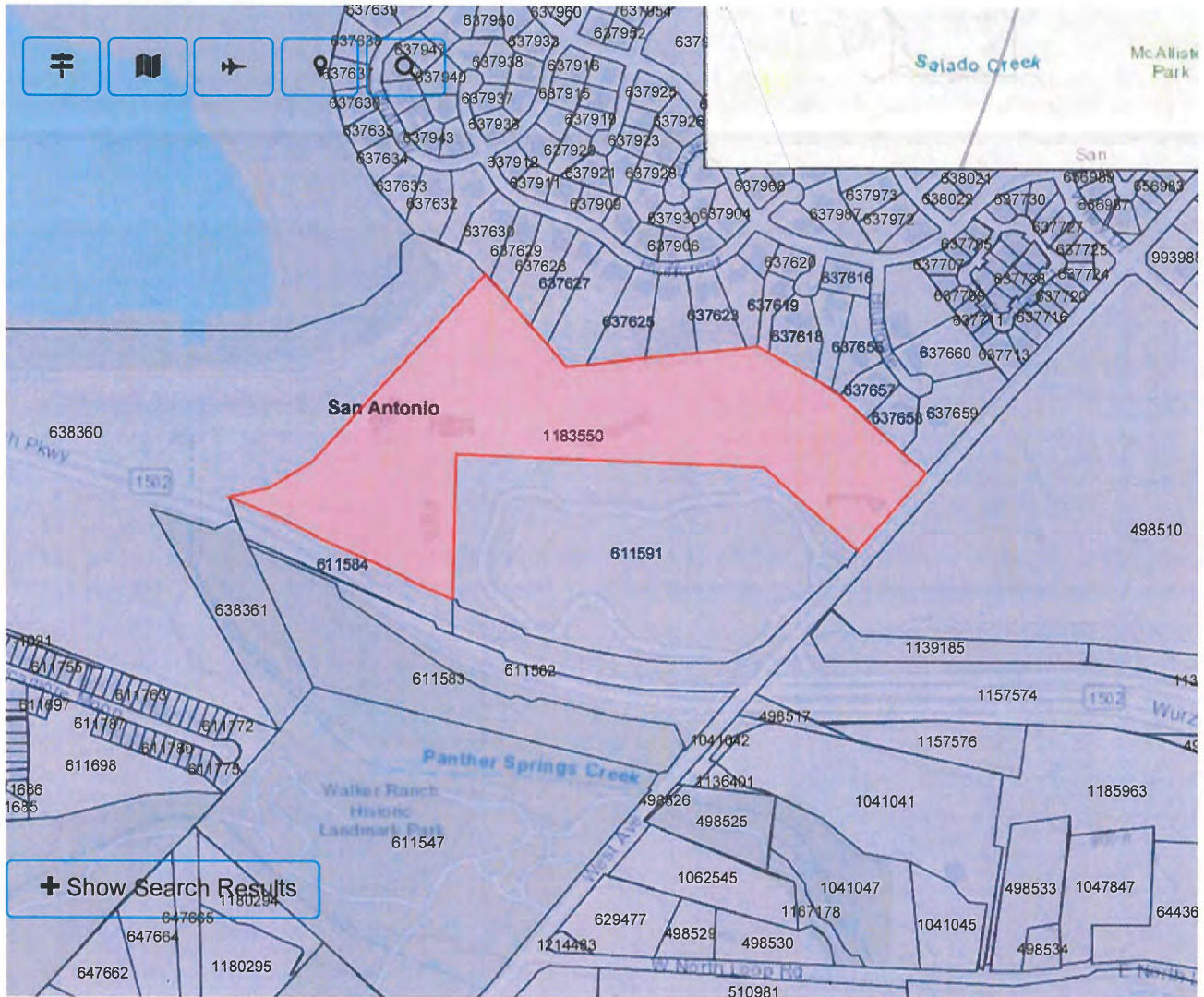
STATE OF TEXAS       §  
                                  §  
COUNTY OF BEXAR   §

This instrument was acknowledged before me on this 29 day of July, 2019, by Nancy Belinsky, Vice President and General Counsel of the San Antonio Water System, a municipal utility of the City of the San Antonio, on behalf of said municipal utility.



*J McClain*  
Notary Public, State of Texas

# EXHIBIT "A"



**EXHIBIT "B"**



Proposed Bypass Route

Existing 50' Sanitary Sewer Easement (Vol 2947, PG 414)

PURE PW APTS LLC  
BCAD ID  
1183550

Work Area

Sewer main to be rehabilitated using cured-in-place pipe.

Access Area

**Legend**

- Sewer main to be rehabilitated
- Existing 50' sanitary sewer easement
- Access Area
- Work Area
- Proposed Bypass Route
- Manhole

**PURE PW APTS LLC**

**EXHIBIT "C"**  
**PURE PW APTS, LLC**  
**Special Conditions**

1. The construction contractor will provide access to the trash and disposal containers located on the property and the construction contractor will not block access or interfere with existing operations on the property.
2. The construction contractor will place temporary construction fences around the areas called "Work Area," as depicted in Exhibit "B," for the duration of the project.

**TEMPORARY CONSTRUCTION EASEMENT**

This Temporary Construction Easement (the "Easement") is entered into as of August 1, 2019 (the "Effective Date") between Permittee (defined in Section 1, below) and SAN ANTONIO RIVER AUTHORITY ("**GRANTOR**").

**1. IDENTIFYING INFORMATION.**

**Permittee:** City of San Antonio, acting by and through its San Antonio Water System

**Permittee's Address:** 2800 U.S. Hwy. 281 North

**Initial Term:** 240 days from first entry but shall expire no later than December 31, 2020. Temporary Access as provided herein.

**Property:** Silverhorn Golf Course  
1100 W. Bitters Road, San Antonio, Texas 78216

The Property shall consist only of the area as designated work area on the attached sketch, attached to this Agreement as Exhibit A, Exhibit A-1, Exhibit B, Exhibit B-1 and made a part hereof.

**PERMITTEE ACKNOWLEDGES THAT GRANTOR DOES NOT WARRANT THE ACCURACY OR COMPLETENESS OF THE DESCRIPTION OF ANY PORTION OF THE PROPERTY.**

**Easement / Scope:** Conduct by-pass pumping operations to rehabilitate an existing SAWS sewer line located on the Property. To make any point repairs as needed.

**GRANTOR's Address:** 100 E. Guenther Ave.  
San Antonio, TX 78204

**2. GRANT OF TEMPORARY CONSTRUCTION EASEMENT; RESERVATION OF RIGHT.**

**2.01. Grant of Temporary Construction Easement / Scope.** GRANTOR grants to Permittee a nonexclusive EASEMENT to enter upon the Property under the terms and limitations set forth herein for the Scope set forth above ("Scope").

**3. USE.**

**3.01. Restrictions on Use.**

(a) This Easement does not grant Permittee or Permittee's officers, directors, employees, agents, invitees, or subcontractors (collectively referred herein as "Permittee Parties") a right to use any real property beyond boundaries of the Property or the limits set forth herein.

- (b) No pollutants or substances regulated under the Resource Conservation and Recovery Act (RCRA), as amended, the Toxic Substance Control Act (TSCA), as amended, or any other applicable federal, state, or local law, rule, regulation, ordinance, or legal mandate may be stored or maintained by Permittee Parties on the Property for any reason or period of time. Permittee Parties will not knowingly permit the disposal or release on, under, or onto the Property of any solid waste, petroleum product, hazardous substance, or other substance which causes pollution. The terms “release,” “solid waste,” “hazardous substance,” and “pollution” are defined according to the most inclusive meaning given those terms in the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. §9601 et seq.; and the Texas Solid Waste Disposal Act, TEXAS HEALTHY AND SAFETY CODE, Chapter 361, and any amendments thereto.
- (c) Permittee must use reasonable efforts to avoid damaging the Property. Permittee shall, at its sole expense, repair any damage it causes. Permittee shall not modify the vegetation on GRANTOR’S property.
- (d) No noxious or offensive activities shall be carried on up on the Property.

**3.02. No Real Property Interest.** This Easement grants only a temporary privilege, not a real property interest.

#### **4. TERMINATION.**

**4.01. Upon Termination.** Upon the expiration of this Easement, all rights and privileges granted under the Easement shall immediately cease, and Permittee must immediately cease use of the Property.

#### **5. MISCELLANEOUS PROVISIONS.**

**5.01. Relationship Limited.** The parties recognize that nothing within the Easement shall be construed to create a joint venture, partnership, agency, or other employment relationship between the parties, or as granting a franchise under federal or state law.

**5.02. Authorization.** Each party represents and warrants that each party has the right to enter into this Easement and to perform its covenants contained in the Easement.

**5.03. Applicable Law.** The Easement is performable in San Antonio, Bexar County, Texas, and is governed by the laws of the State of Texas. Exclusive venue for all actions under the Easement shall be in the state courts of the State of Texas, Bexar County, Texas.

**5.04. Integration.** **THIS WRITTEN TEMPORARY CONSTRUCTION EASEMENT REPRESENTS THE FINAL EASEMENT BETWEEN THE PARTIES CONCERNING THE SUBJECT MATTER COVERED HEREIN AND MAY NOT BE CONTRADICTED BY EVIDENCE OF PRIOR, CONTEMPORANEOUS, OR SUBSEQUENT ORAL EASEMENTS OF THE PARTIES. THERE ARE NO ORAL EASEMENTS BETWEEN THE PARTIES CONCERNING THE SUBJECT MATTER COVERED HEREIN.**

**5.05. Modification.** This Easement may not be changed orally but only by a written easement, signed by both parties.

**5.06. Third Party Beneficiaries.** This Easement is intended for the benefit of the parties hereto and their successors and permitted assigns only. There are no third party beneficiaries.

**5.07. Counterparts.** This Easement may be executed in multiple counterparts, each of which is an original, whether or not all parties sign the same document. Regardless of the number of counterparts, they constitute only one easement. In making proof of this Easement, one need not produce or account for more counterparts than necessary to show execution by or on behalf of all parties.



**5.08. Public Information.** PERMITTEE acknowledges that this instrument is public information within the meaning of Chapter 552 of the Texas Government Code and accordingly may be disclosed to the public.

**6. INDEMNITY AND INSURANCE.** Permittee is a self-insured governmental entity. Permittee shall cause its general contractor to carry commercial general liability insurance with policy limits not less than \$2,000,000 and Grantor, its affiliates and Silverhorn Golf, LLC shall be named as an additional insured and certificate holder

EXECUTED this 31<sup>st</sup> day of July, 2019.

SAN ANTONIO RIVER AUTHORITY

By: *Suzanne B. Scott*  
Suzanne B. Scott, General Manager

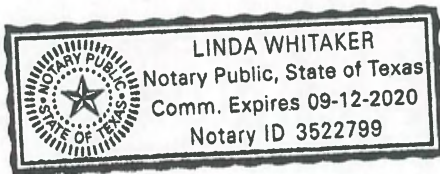
*Allison Elder*  
Approved as to form:  
Allison Elder  
Director of Legal Services

Acknowledgement

STATE OF TEXAS §

COUNTY OF BEXAR §

This instrument was acknowledged before me on the 31<sup>st</sup> day of July, 2019, by Suzanne B. Scott, General Manager of the San Antonio River Authority, a political subdivision of the State of Texas.



*Linda Whitaker*  
Notary Public, State of Texas

PERMITTEE:

CITY OF SAN ANTONIO, ACTING BY AND THROUGH  
ITS SAN ANTONIO WATER SYSTEM

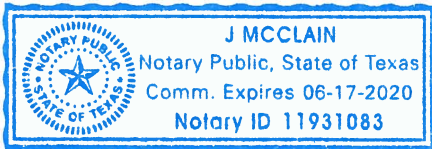
By: *Nancy Belinsky*  
Nancy Belinsky, Vice President and General Counsel

Acknowledgement

STATE OF TEXAS §


COUNTY OF BEXAR §

This instrument was acknowledged before me on the 1 day of August, 2019, by  
Nancy Belinsky, Vice President and General Counsel for the San Antonio Water System, a municipal utility of  
the City of San Antonio, on behalf of said municipal utility.



*J McClain*  
Notary Public, State of Texas

**LESSEE:**  
**SILVERHORN GOLF, LLC,**  
**a Texas limited liability company**

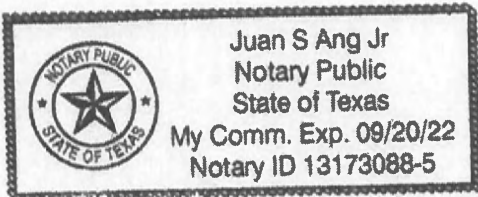
By: BRYAN LEDESMA   
Printed Name: BRYAN LEDESMA  
Title: GM  
Phone: 210-545-5300

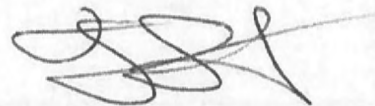
Acknowledgement

STATE OF TEXAS §

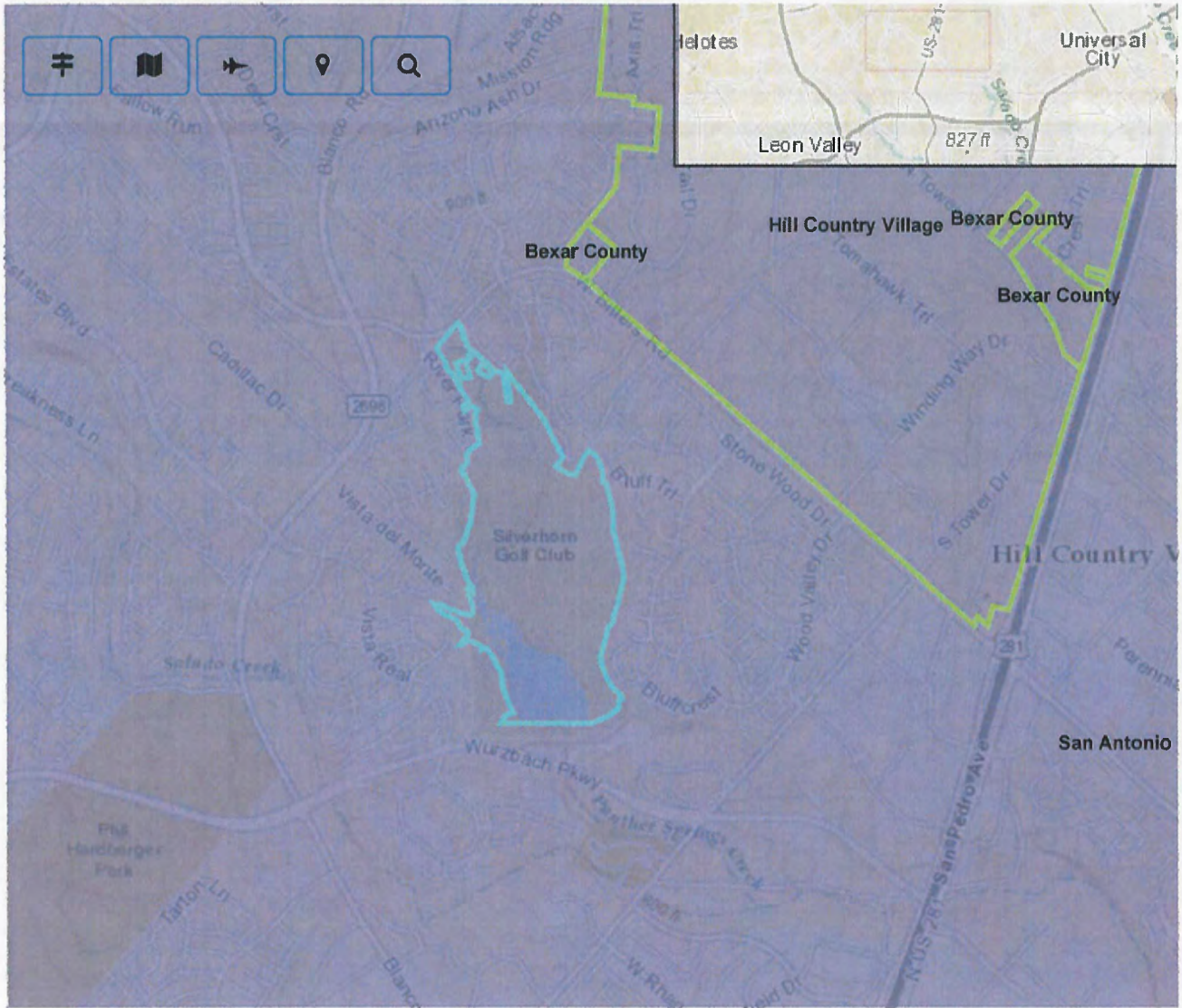
COUNTY OF BEXAR §

This instrument was acknowledged before me on the 26<sup>th</sup> day of July, 2019, by Ricky Brian Ledesma, for Silverhorn Golf, LLC, a Texas limited liability company.

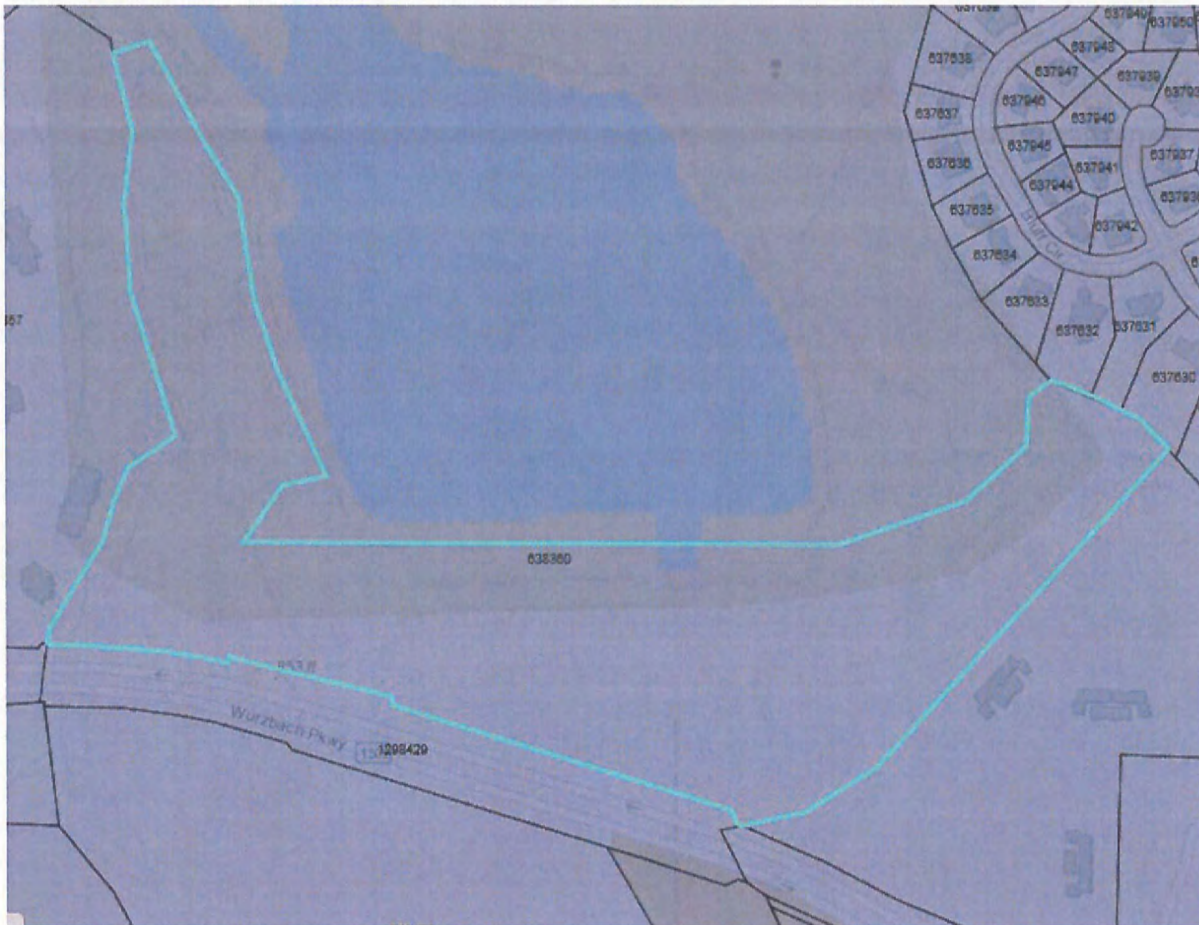


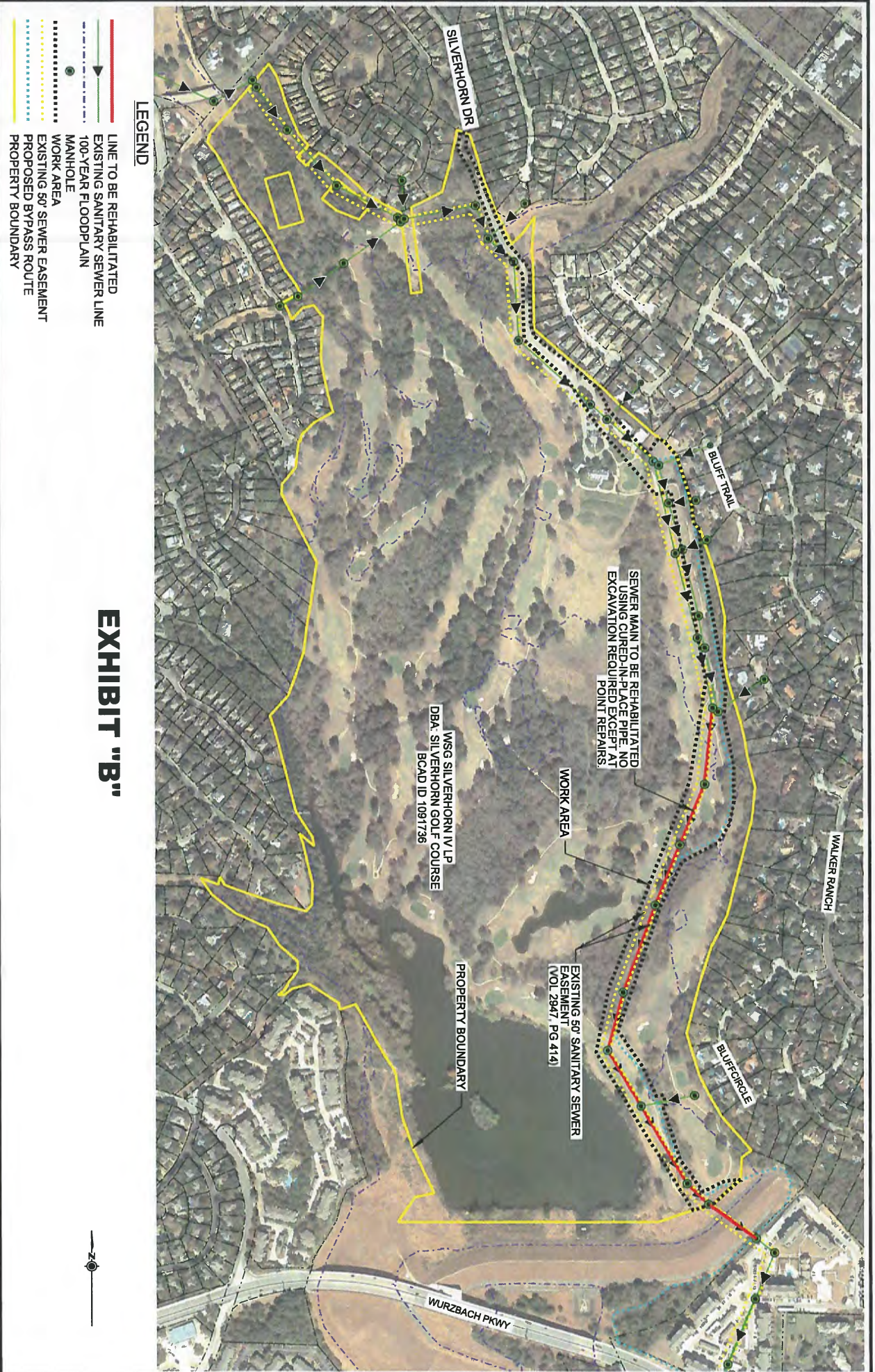
  
Notary Public, State of Texas

# EXHIBIT "A"



# EXHIBIT "A-1"

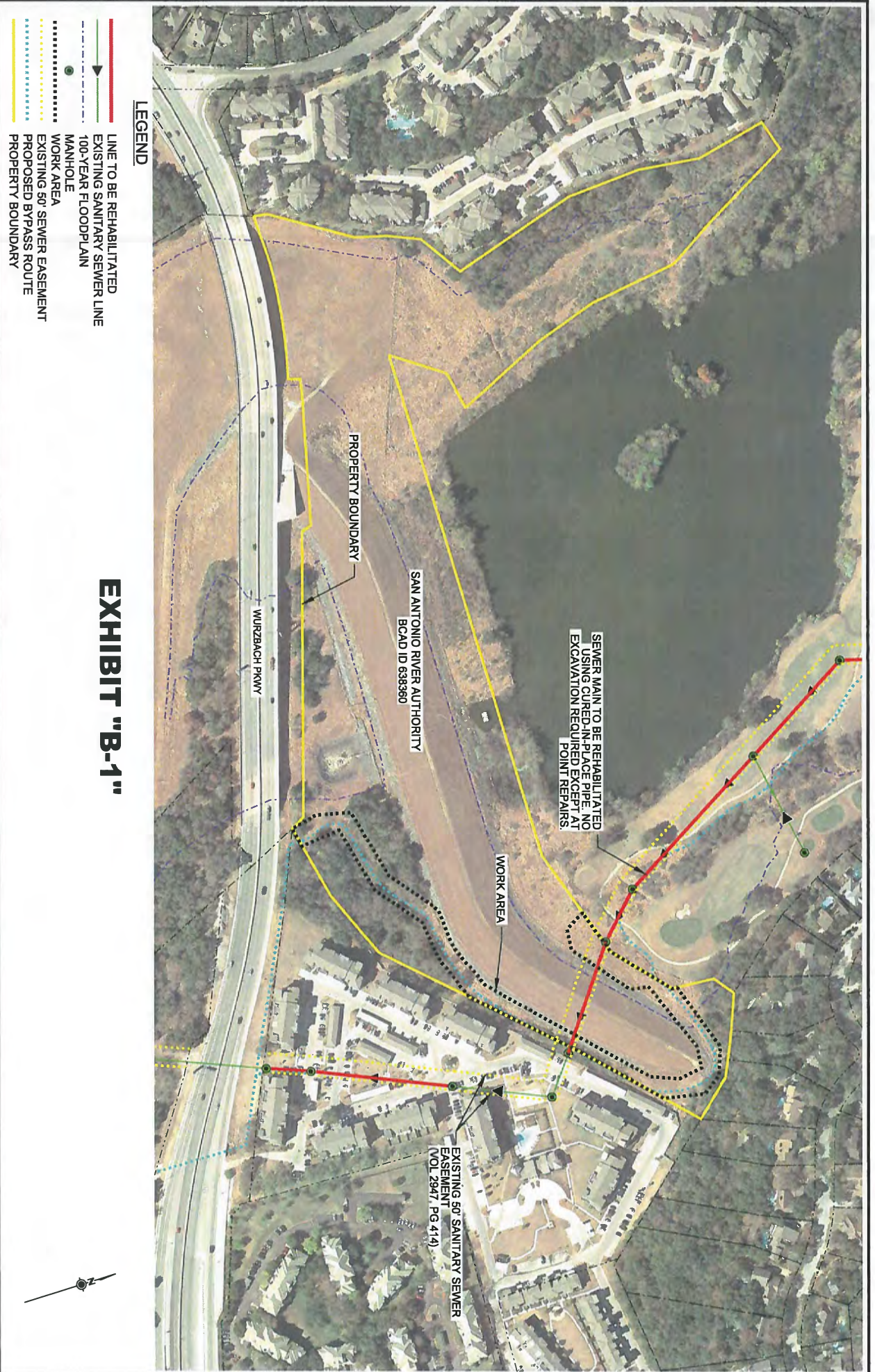




- LEGEND**
- LINE TO BE REHABILITATED
  - EXISTING SANITARY SEWER LINE
  - 100-YEAR FLOODPLAIN
  - MANHOLE
  - WORK AREA
  - EXISTING 50' SEWER EASEMENT
  - PROPOSED BYPASS ROUTE
  - PROPERTY BOUNDARY

**EXHIBIT "B"**





- LEGEND**
- LINE TO BE REHABILITATED
  - EXISTING SANITARY SEWER LINE
  - - - 100-YEAR FLOODPLAIN
  - MANHOLE
  - ... WORK AREA
  - - - EXISTING 50' SEWER EASEMENT
  - - - PROPOSED BYPASS ROUTE
  - - - PROPERTY BOUNDARY

**EXHIBIT "B-1"**

X:\Projects\0650 - SAWS Silverhorn Package\DWG\Notes\NOTES\_PROJECT\_SPECIFIC.dgn modified by afischer on 8/6/2019 - 3:58:26 PM

**SEWER REHABILITATION NOTES:**

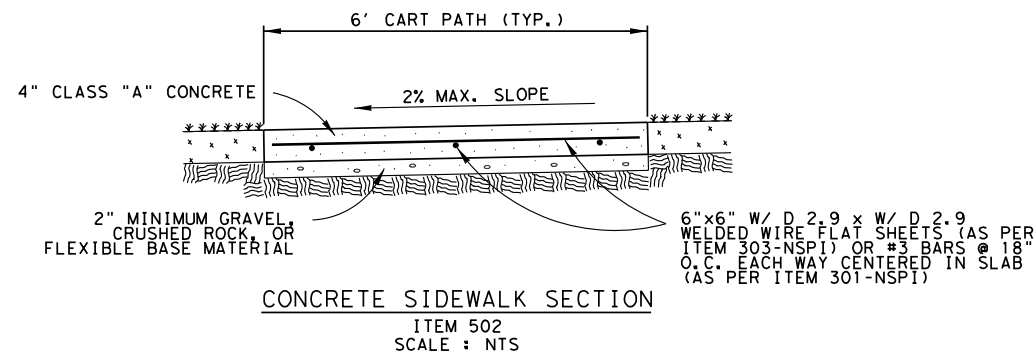
- THESE PLANS WERE PREPARED WITH LIMITED ON THE GROUND SURVEY. AERIAL IMAGERY MAY NOT REFLECT ALL RECENT IMPROVEMENTS. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- PROFILES SHOWN IN PLANS FOR CIPP SEGMENTS ARE BASED ON BEST INFORMATION AVAILABLE. INVERTS ARE BASED ON SAWS GIS DATA AND LIMITED FIELD SURVEY. INFORMATION IS PROVIDED TO ASSIST CONTRACTOR WITH PLANNING INSTALLATION. SLIGHT DISCREPANCIES WITH MANHOLE ELEVATIONS MAY BE ENCOUNTERED; CONTRACTOR SHALL FIELD VERIFY.
- ALL POINT REPAIRS MUST BE CONFIRMED AND APPROVED BY SAWS AND DESIGN ENGINEER VIA PRE-TELEVISION PRIOR TO CONSTRUCTION.
- CONTROL NOISE LEVEL DURING NIGHT HOURS IN ACCORDANCE WITH CITY OF SAN ANTONIO NOISE ORDINANCES, EXCEPT AS MODIFIED BELOW. CONSTRUCTION ACTIVITIES AND EQUIPMENT FOR ACTIVITIES BETWEEN THE HOURS OF 6 P.M. AND 7 A.M. SHALL BE EQUIPPED WITH ACOUSTICAL ENCLOSURES TO LIMIT NOISE LEVEL TO 56 DECIBELS WHEN MEASURED AT ADJACENT RESIDENTIAL PROPERTY LINE OR 63 DECIBELS WHEN MEASURED AT ADJACENT BUSINESS ZONED PROPERTY LINE. DAYTIME NOISE LEVELS (7 A.M. TO 6 P.M.) SHALL NOT EXCEED 80 DECIBELS WHEN MEASURED AT NEAREST PROPERTY LINE.
- CONTRACTOR SHALL BE AWARE THAT PROPOSED CIPP WILL LINE THROUGH MINOR JOINT OFFSETS, MINOR SAGS, AND OTHER MINOR PIPE DEFECTS. MORE SIGNIFICANT DEFECTS THAT NEED TO BE LINED THROUGH ARE SPECIFICALLY CALLED OUT IN THE PLANS OR ARE PROPOSED TO BE POINT REPAIRED.
- REHABILITATED MANHOLES SHALL RECEIVE A NEW RING AND COVER TO MATCH THE EXISTING DIAMETER PER ITEM NO. 851 AS INDICATED IN THE DRAWINGS. RECONSTRUCTED MANHOLES SHALL RECEIVE A NEW 32" COVER, REGARDLESS OF EXISTING COVER SIZE. NOTE THAT SOME MANHOLE COVERS WITHIN THE PROJECT LIMITS HAVE BEEN UPGRADED TO THE CURRENT STANDARDS BY SAWS. THESE MANHOLES WILL NOT REQUIRE A NEW RING AND COVER UNDER ITEM 851. CONTRACTOR TO REPORT ANY DISCREPANCIES IN MANHOLE LID REPLACEMENTS TO ENGINEER AND SAWS INSPECTOR.
- NEW MANHOLES INSTALLED FOR BYPASS SUCTION POINTS SHALL BE CONSTRUCTED PER SAWS STD DWG DD-852-01. CONTRACTOR SHALL SUBMIT DETAILS FOR DOGHOUSE MANHOLE INSTALLATION AS PART OF SUBMITTAL PROCESS.
- CONTRACTOR IS ADVISED THAT HANGING GASKETS ARE PRESENT THROUGHOUT PIPELINE SEGMENT. REMOVAL OF HANGING GASKETS FOR CIPP INSTALLATIONS SHALL BE SUBSIDIARY TO ITEM 868 SANITARY SEWER SYSTEM CLEANING.
- ADDITIONAL POINT REPAIRS HAVE BEEN INCLUDED IN THE TOTAL ESTIMATED QUANTITIES TABLE DUE TO THE UNKNOWN CONDITION OF THE PIPES.
- MANHOLE RECONSTRUCTION NOTED IN PLANS ARE AT LOCATIONS OF SUGGESTED LINER INSERTION. CONTRACTOR MAY MODIFY RECONSTRUCT LOCATIONS TO SUIT HIS PLANNED INSTALLATION LOCATIONS EXCEPT THAT MH 52992 MUST BE RECONSTRUCTED PER DETAIL ON SHEET 41.

**TCI STORM WATER ENGINEERING NOTES:**

- WORK WITHIN THE 100-YEAR FLOODPLAIN OR CITY OF SAN ANTONIO DRAINAGE CHANNELS IS SUBJECT TO THE TERMS OF THE FLOODPLAIN DEVELOPMENT PERMIT ISSUED BY THE CITY. A COPY OF THIS PERMIT IS INCLUDED IN THE BID DOCUMENTS FOR THE CONTRACTOR'S USE.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING DRAINAGE FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING DRAINAGE SYSTEMS, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS EXPENSE. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT 210-207-8052 AS SOON AS CONFLICTS WITH UTILITIES ARE ENCOUNTERED OR ANY DRAINAGE SYSTEM IS DAMAGED DURING CONSTRUCTION.
- CONSTRUCTION SPOILS WILL NOT BE ALLOWED TO BE DEPOSITED ANYWHERE WITHIN A DRAINAGE EASEMENT, RIGHT-OF-WAY, OR FLOODPLAIN WITHIN THE LIMITS OF THE PROJECT AND SHALL BE DISPOSED OFFSITE IN COMPLIANCE WITH CURRENT APPLICABLE REGULATIONS.

**GOLF COURSE NOTES:**

- CONTRACTOR IS ADVISED THAT SILVERHORN GOLF COURSE WILL MAINTAIN NORMAL OPERATIONS THROUGHOUT THE CONSTRUCTION PROJECT. CONSTRUCTION WORK SHALL BE SCHEDULED MONDAY THROUGH FRIDAY; REFER TO THE SPECIAL CONDITIONS FOR CONSTRUCTION TIMELINE LIMITATIONS AND CONTACT INFORMATION.
- PRIMARY CONSTRUCTION ACCESS ROUTE SHOWN IN THE PLANS SHALL SERVE AS THE CONTRACTOR'S PRIMARY INGRESS AND EGRESS ROUTE. REFER TO SPECIAL PROVISIONS FOR STAKING REQUIREMENTS FOR PRIMARY ACCESS ROUTE. THE SECONDARY CONSTRUCTION ACCESS ROUTE SHOWN IS STRICTLY FOR ACCESS TO MANHOLES AND POINT REPAIRS (IF NEEDED). CONTRACTOR SHALL LIMIT USE OF SECONDARY CONSTRUCTION ACCESS TO MINIMIZE IMPACTS TO THE GOLF COURSE. REFER TO SHEET 23-31 FOR PRIMARY AND SECONDARY ACCESS ROUTES.
- CONTRACTOR TO MINIMIZE INGRESS/EGRESS WHEREVER POSSIBLE TO MINIMIZE THE AMOUNT OF REMOVAL OF EXISTING VEGETATION AND DISTURBED AREA FOR THE PROJECT. CONSTRUCTION ACCESS ROUTES SHOWN ON SHEETS 23-30 ARE INTENDED TO MINIMIZE CONFLICTS WITH GOLF COURSE OPERATIONS AND CUSTOMERS AND REDUCE AMOUNT OF TREE/VEGETATION CLEARING. CONTRACTOR MAY MODIFY LOCATION OF CLEARING SLIGHTLY WITHIN THE ACCESS AREA SHOWN BASED ON FIELD CONDITIONS AND HIS OPERATIONS, BUT IN NO CASE SHALL TREE CLEARING WIDTH EXCEED LIMITS SHOWN IN THE DETAIL ON SHEET 23 IN ORDER TO MAINTAIN COMPLIANCE WITH TREE PERMIT FROM CITY OF SAN ANTONIO.
- CONTRACTOR SHALL MINIMIZE CLEARING WITHIN THE CONSTRUCTION ACCESS AREA TO MAINTAIN EXISTING TREE CANOPY. IN NO INSTANCE SHALL HERITAGE TREES (24" AND LARGER) BE REMOVED. HERITAGE TREES ARE SHOWN IN THE PLANS AND TAGGED IN THE FIELD. HERITAGE TREES AND TREES TO REMAIN WITHIN THE ACCESS AREA SHALL BE PROTECTED PER CITY OF SAN ANTONIO TREE PROTECTION DETAILS (NSPI). TREES/VEGETATION REMOVED FOR CONSTRUCTION ACCESS MAY BE MULCHED WITHIN THE ACCESS AREA AND SHALL BE STOCKPILED AT LOCATIONS DESIGNATED BY SILVERHORN GOLF COURSE. STOCKPILED MULCH MAY NOT BE PLACED IN THE 100-YEAR FLOODPLAIN. SEE TREE CLEARING LIMITS AND ACCESS AREA ON SHEETS 32-39.
- CONTRACTOR SHALL AVOID DAMAGE OF ANY KIND TO THE GOLF CART PATHS, GREENS, OR FAIRWAYS UNLESS IDENTIFIED ON THE PLANS FOR REPLACEMENT. CONTRACTOR SHALL PROVIDE TEMPORARY RESTORATION USING 4" COLD MIX ASPHALT AS NEEDED UNTIL FINAL RESTORATION IS COMPLETE. TEMPORARY RESTORATION AND MAINTENANCE OF GOLF CART PATH SHALL BE NSPI EXCEPT WHERE SPECIFICALLY CALLED OUT AS A PAY ITEM IN THE PLANS. ANY DAMAGE DONE OUTSIDE THE ACCESS EASEMENT SHOWN SHALL BE REPAIRED TO ITS ORIGINAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN ACCESS ON ALL CART PATHS. BYPASS PIPING SHALL BE BURIED AT LOCATIONS SHOWN IN THE PLANS.
- RESTORATION OF CONSTRUCTION AREAS SHALL BE IN ACCORDANCE WITH THE GOLF COURSE ACCESS AND RESTORATION SHEETS 24-31. CONTRACTOR SHALL USE PROTECTIVE MATS WHERE SHOWN IN THE ACCESS AND RESTORATION SHEETS TO MINIMIZE IMPACTS TO GOLF COURSE FAIRWAYS AND GREENS. FAIRWAYS AND GREENS SHALL BE RESTORED UNDER PAY ITEM 1020 "GOLF COURSE RESTORATION ALLOWANCE". CONTRACTOR SHALL MINIMIZE USE OF PROTECTIVE MATS WHERE POSSIBLE TO MAINTAIN NORMAL GOLF PLAY TO MAXIMUM EXTENT POSSIBLE.
- GOLF COURSE IRRIGATION AND STORM DRAIN LINES (DRAIN TILES) SHOWN IN PLANS ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE WITH GOLF COURSE TO LOCATE LINES AND IRRIGATION SYSTEM SPRINKLERS AND CONTROL VALVES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL SET ACCESS PATH TO MINIMIZE IMPACTS TO THESE FEATURES AND SHALL FENCE OFF OR MARK THESE FEATURES TO PROTECT THEM FROM CONSTRUCTION TRAFFIC.
- CONTRACTOR SHALL COORDINATE ACCESS WITH SILVERHORN GOLF COURSE FOR 24-HOUR ACCESS.



TOTAL ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
100	MOBILIZATION	LS	1
SP100.1	INTERMEDIATE DEMOBILIZATION/REMOBILIZATION	EA	5
101	PREPARING RIGHT-OF-WAY	LS	1
103.3	REMOVE SIDEWALKS AND DRIVEWAYS (COSA SPEC)	SF	5051
SP164.1	CELLULOSE FIBER MULCH SEEDING (PERM) (TXDOT SPEC)	SY	3508
SP164.2	DRILL SEEDING (PERM) (TXDOT SPEC)	SY	21559
SP164.3	CELLULOSE FIBER MULCH SEEDING (WILDFLOWERS) (TXDOT SPEC)	SY	1003
169	SOIL RETENTION BLANKET (CL 1) (TY A)	SY	21559
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (4" COMPACTED DEPTH) (COSA SPEC)	SY	46
502	CONCRETE SIDEWALK (COSA SPEC)	SY	562
SP502	BARRICADES, SIGNS, AND TRAFFIC HANDLING (TXDOT SPEC)	LS	1
SP515	TOPSOIL (4" THICK)	SY	4276
516.1	BERMUDA SODDING (COSA SPEC)	SY	4276
SP540	TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION PREVENTION AND CONTROL (COSA SPEC)	LS	1
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	222
SP552.1	REPLACE SPRINKLER HEAD	EA	10
SP552.2	REPAIR IRRIGATION PIPING (UP TO 2" DIAMETER)	EA	5
SP552.3	REPAIR IRRIGATION PIPING (3" TO 4" DIAMETER)	EA	5
SP552.4	REPLACE IRRIGATION CONTROL VALVE (UP TO 2" DIAMETER)	EA	5
SP552.5	REPLACE IRRIGATION CONTROL VALVE (3" TO 4" DIAMETER)	EA	5
SP552.6	REPAIR GOLF COURSE DRAIN TILES	EA	5
851	ADJUST EXISTING MANHOLES	EA	10
852	4' DIA. SANITARY SEWER MANHOLE	EA	1
852	EXTRA DEPTH MANHOLE	VF	3.4
855	RECONSTRUCTION OF EXISTING MANHOLES	EA	2
SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS)	LS	1
866	SEWER MAIN TELEVISION INSPECTION (8" TO 24")	LF	3426
866	SEWER MAIN TELEVISION INSPECTION (27" AND LARGER)	LF	314
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (24")	LF	3426
SP901.2	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (30")	LF	314
SS910.1	MANHOLE REHABILITATION (STANDARD MANHOLES UP TO 5' DIA.)	VF	109.1
SS910.3	CHEMICAL GROUT INJECTION	GAL	40
SS1020	GOLF COURSE RESTORATION ALLOWANCE	ALW	1
SP1103.1	POINT REPAIRS FOR 24" DIAMETER (6'-10' DEPTH)	EA	9
SP1103.2	POINT REPAIRS FOR 24" DIAMETER (10'-14' DEPTH)	EA	5
SP1103.3	EXTRA LENGTH POINT REPAIRS FOR 24" DIAMETER (6'-10' DEPTH)	LF	72
SP1103.4	EXTRA LENGTH POINT REPAIRS FOR 24" DIAMETER (10'-14' DEPTH)	LF	60
SP1103.5	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 24"-30" DIAMETER, ALL DEPTHS	EA	11
SS7003.1	CONSTRUCTION SAFETY FENCING	LF	2305
SS7003.2	TEMPORARY CHAIN LINK FENCE	LF	820
SS9999	PROTECTIVE MATS	SY	14787

SP = SPECIAL PROVISION TO STANDARD SPECIFICATION. REFER TO CONTRACT DOCUMENTS FOR DETAILS.  
 SS = SPECIAL SPECIFICATION. REFER TO CONTRACT DOCUMENTS FOR DETAILS.

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ADDENDUM NO. 1	ADF	MRP	8/7/19
No.	Revision	Drawn	Approved
			Date

**REVISIONS**

**SILVERHORN GOLF COURSE 24-INCH REHAB PACKAGE**

**PROJECT SPECIFIC NOTES AND QUANTITIES**

DEVELOPER: \_\_\_\_\_

CONT. BUDGET PROJ.

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

MAP No. \_\_\_\_\_ SHEET 3

SECT. No. \_\_\_\_\_

DR. MW CK. JOB No. 18-4540 Of 45



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		ESTIMATED QUANTITIES	
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
851	ADJUST EXISTING MANHOLES	EA	1
866	SEWER MAIN TELEVISION INSPECTION (8" TO 24")	LF	267
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (24")	LF	267
SS7003.2	TEMPORARY CHAIN LINK FENCE	LF	180

**NOTES:**

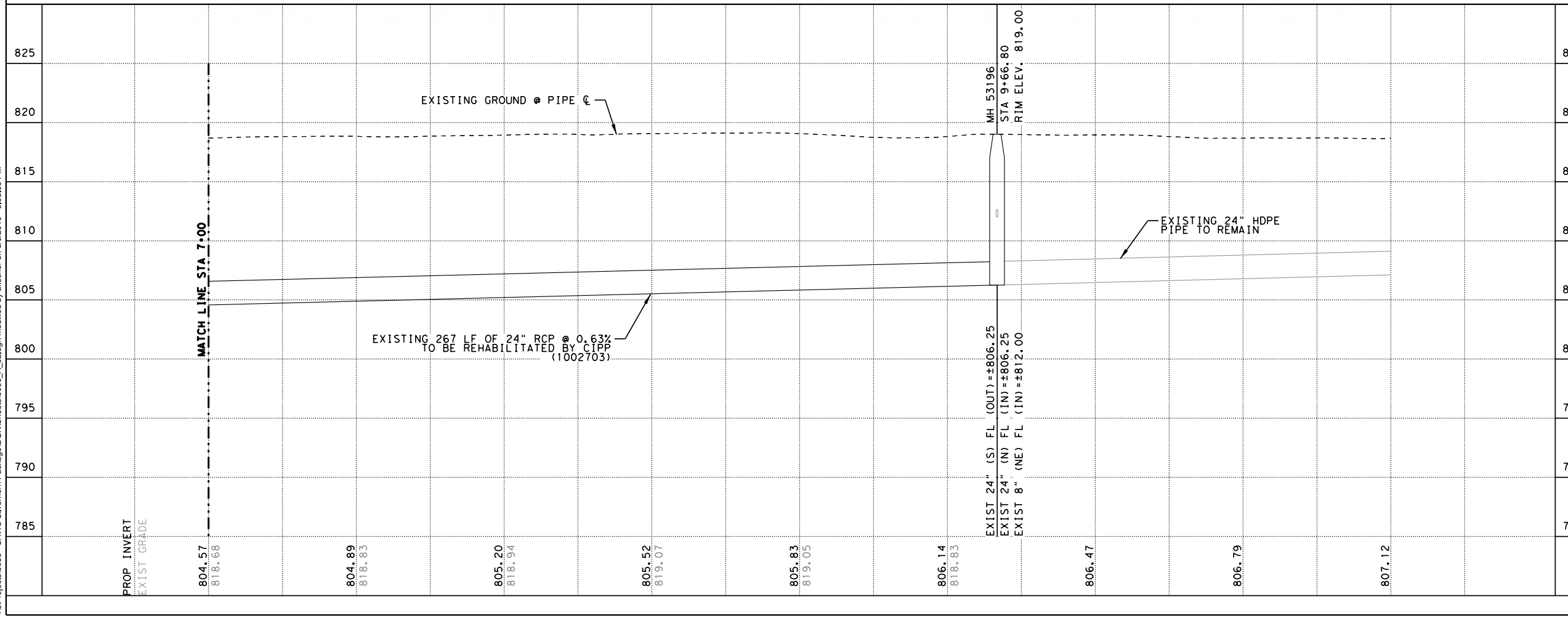
- CONTRACTOR SHALL SECURE WORKING AREA AROUND MH 53196 IN APARTMENT COMPLEX WITH SCREENED 6' TALL CHAIN LINK FENCE.



MH 53196

**LEGEND**

- EXISTING FIRE HYDRANT
- PRIMARY CONSTRUCTION ACCESS
- SECONDARY CONSTRUCTION ACCESS
- WASTEWATER LINE TO BE REHABILITATED
- EXIST SERVICE LINE
- EXIST OVERHEAD UTILITIES
- EXIST UNDERGROUND UTILITIES
- EXIST STORM DRAIN
- EXIST WATERLINE
- EXIST WASTEWATER LINE
- EXIST GAS LINE
- EXIST IRRIGATION
- EXIST UNDERGROUND IRRIGATION CABLE
- PROPERTY LINE
- 100-YEAR FLOODPLAIN LIMITS
- CONCEPTUAL BYPASS LINE
- TEMPORARY CHAIN LINK FENCE



HORIZONTAL SCALE  
20'

VERTICAL SCALE  
5' 10'

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	ADDENDUM NO. 1	ADF	MRP	8/7/19
No.	Revision	Drawn	Approved	Date

**REVISIONS**

	SILVERHORN GOLF COURSE 24-INCH REHAB PACKAGE CIPP PROJECT LOCATION 1 STA 7+00 TO END (2 OF 2)
--	--

DEVELOPER: \_\_\_\_\_

CONT. \_\_\_\_\_ BUDGET PROJ. \_\_\_\_\_

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

MAP No. \_\_\_\_\_

SECT. No. \_\_\_\_\_

DR. MW CK. \_\_\_\_\_

SHEET  
**6**  
OF 45



MH 53151



ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
866	SEWER MAIN TELEVISION INSPECTION (27" AND LARGER)	LF	277
SP901.2	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (30")	LF	277
SP1103.5	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 24"-30" DIAMETER, ALL DEPTHS	EA	1
SS7003.2	TEMPORARY CHAIN LINK FENCE	LF	145

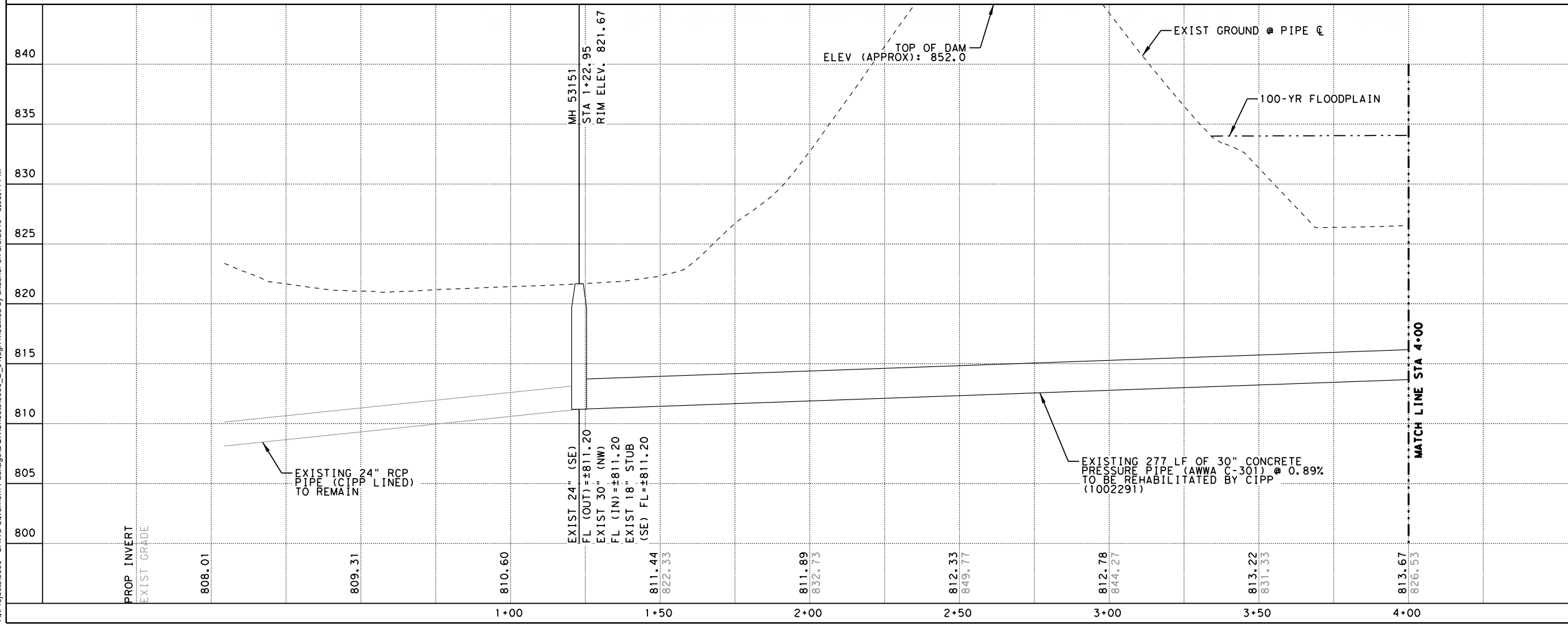
**NOTES:**

- CONTRACTOR SHALL SECURE WORKING AREA AROUND MH 53151 IN APARTMENT COMPLEX WITH SCREENED 6' TALL CHAIN LINK FENCE.

**LEGEND**

	EXISTING FIRE HYDRANT
	PRIMARY CONSTRUCTION ACCESS
	SECONDARY CONSTRUCTION ACCESS
	WASTEWATER LINE TO BE REHABILITATED
	EXIST SERVICE LINE
	EXIST OVERHEAD UTILITIES
	EXIST UNDERGROUND UTILITIES
	EXIST STORM DRAIN
	EXIST WATERLINE
	EXIST WASTEWATER LINE
	EXIST GAS LINE
	EXIST IRRIGATION
	EXIST UNDERGROUND IRRIGATION CABLE
	PROPERTY LINE
	100-YEAR FLOODPLAIN LIMITS
	CONCEPTUAL BYPASS LINE
	TEMPORARY CHAIN LINK FENCE

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TBP# Firm Number 6535  
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*Michael Persyn*

STATE OF TEXAS  
MICHAEL PERSYN  
96583  
LICENSED PROFESSIONAL ENGINEER  
8/7/2019

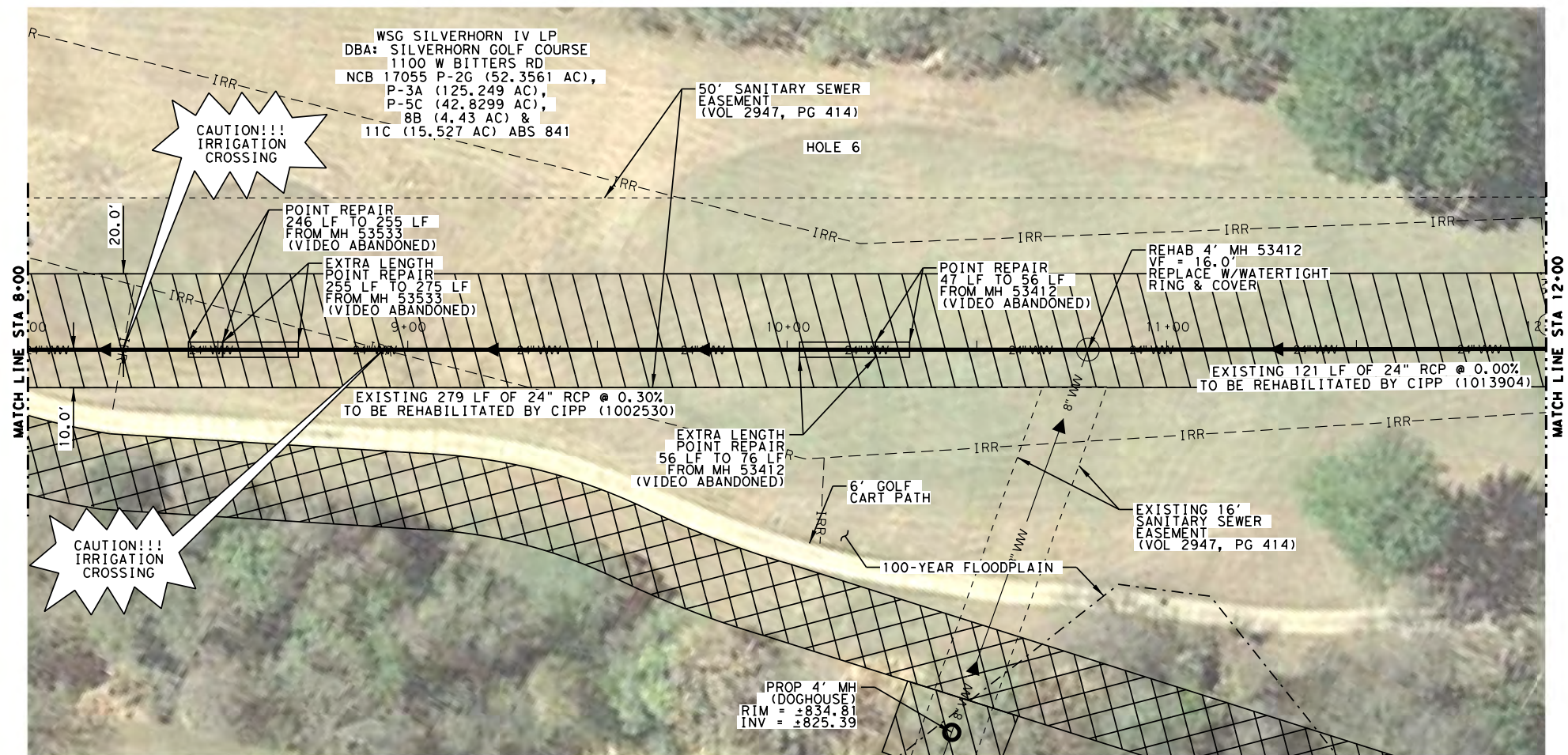
ADDENDUM NO. 1	ADF	MRP	8/7/19
No.	Revision	Drawn	Approved

**REVISIONS**

	SILVERHORN GOLF COURSE 24-INCH REHAB PACKAGE CIPP PROJECT LOCATION 2 BEGIN TO STA 4+00 (1 OF 9)
--	--

DEVELOPER:	
CONT.	BUDGET PROJ.
SUBMITTED _____	
APPROVED _____	
MAP No.	
SECT. No.	
DR. MW	CK.
JOB No. 18-4540	

SHEET	7
OF 45	

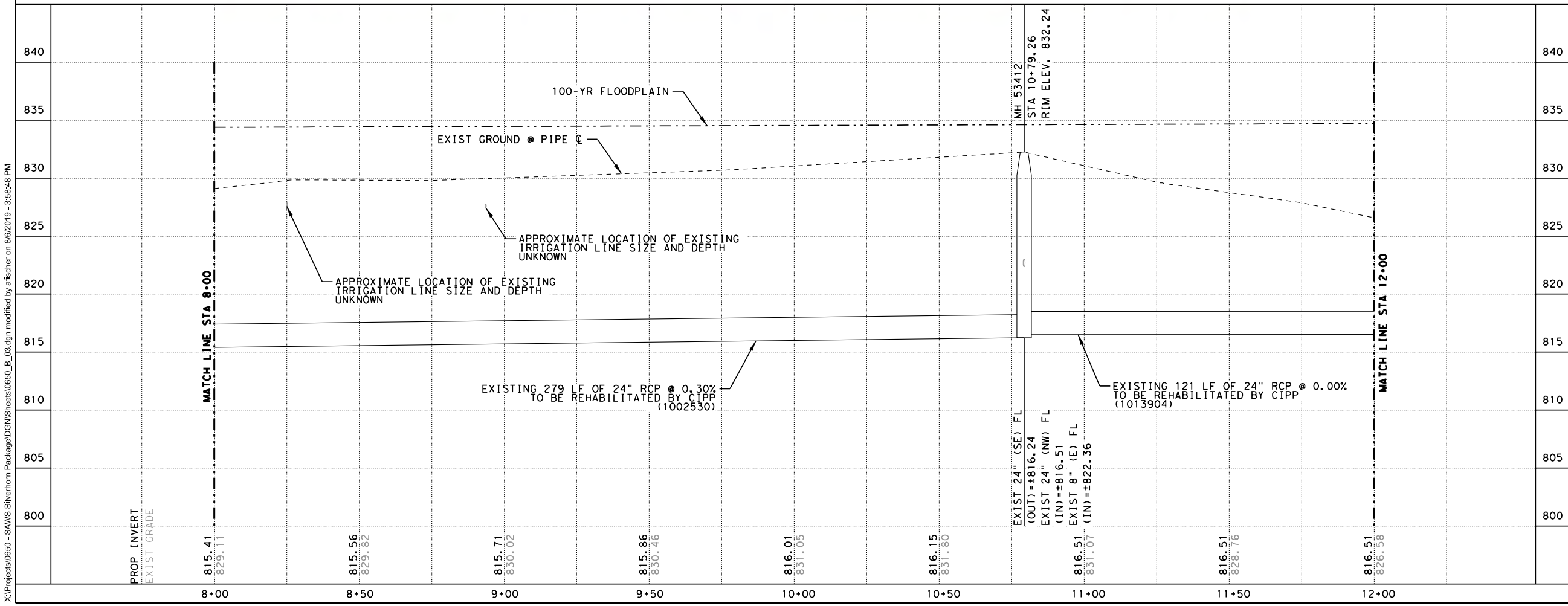


ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	58
851	ADJUST EXISTING MANHOLES	EA	1
852	4' DIA. SANITARY SEWER MANHOLE	EA	1
852	EXTRA DEPTH MANHOLE	VF	3
866	SEWER MAIN TELEVISION INSPECTION (8" TO 24")	LF	400
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (24")	LF	400
SS910.1	MANHOLE REHABILITATION (STANDARD MANHOLES UP TO 5' DIA.)	VF	16.0
SP1103.2	POINT REPAIRS FOR 24" DIAMETER (10'-14' DEPTH)	EA	2
SP1103.4	EXTRA LENGTH POINT REPAIRS FOR 24" DIAMETER (10'-14' DEPTH)	LF	40
SP1103.5	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 24"-30" DIAMETER, ALL DEPTHS	EA	1

NOTE:  
 1. CONTRACTOR IS ADVISED THAT GROUNDWATER MAY BE PRESENT IN EXCAVATIONS. CONTROL OF GROUNDWATER SHALL BE NSPI PER SAWS STANDARD SPECIFICATION NO. 804 EXCAVATION, TRENCHING, AND BACKFILL.  
 2. REFER TO SPECIAL CONDITIONS FOR MILESTONE LIMITATIONS ALONG HOLE 6.

**LEGEND**

	EXISTING FIRE HYDRANT
	PRIMARY CONSTRUCTION ACCESS
	SECONDARY CONSTRUCTION ACCESS
	WASTEWATER LINE TO BE REHABILITATED
	EXIST SERVICE LINE
	EXIST OVERHEAD UTILITIES
	EXIST UNDERGROUND UTILITIES
	EXIST STORM DRAIN
	EXIST WATERLINE
	EXIST WASTEWATER LINE
	EXIST GAS LINE
	EXIST IRRIGATION
	EXIST UNDERGROUND IRRIGATION CABLE
	PROPERTY LINE
	100-YEAR FLOODPLAIN LIMITS
	CONCEPTUAL BYPASS LINE
	TEMPORARY CHAIN LINK FENCE



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**Michael Persyn**  
 STATE OF TEXAS  
 LICENSED PROFESSIONAL ENGINEER  
 96583  
 8/7/2019

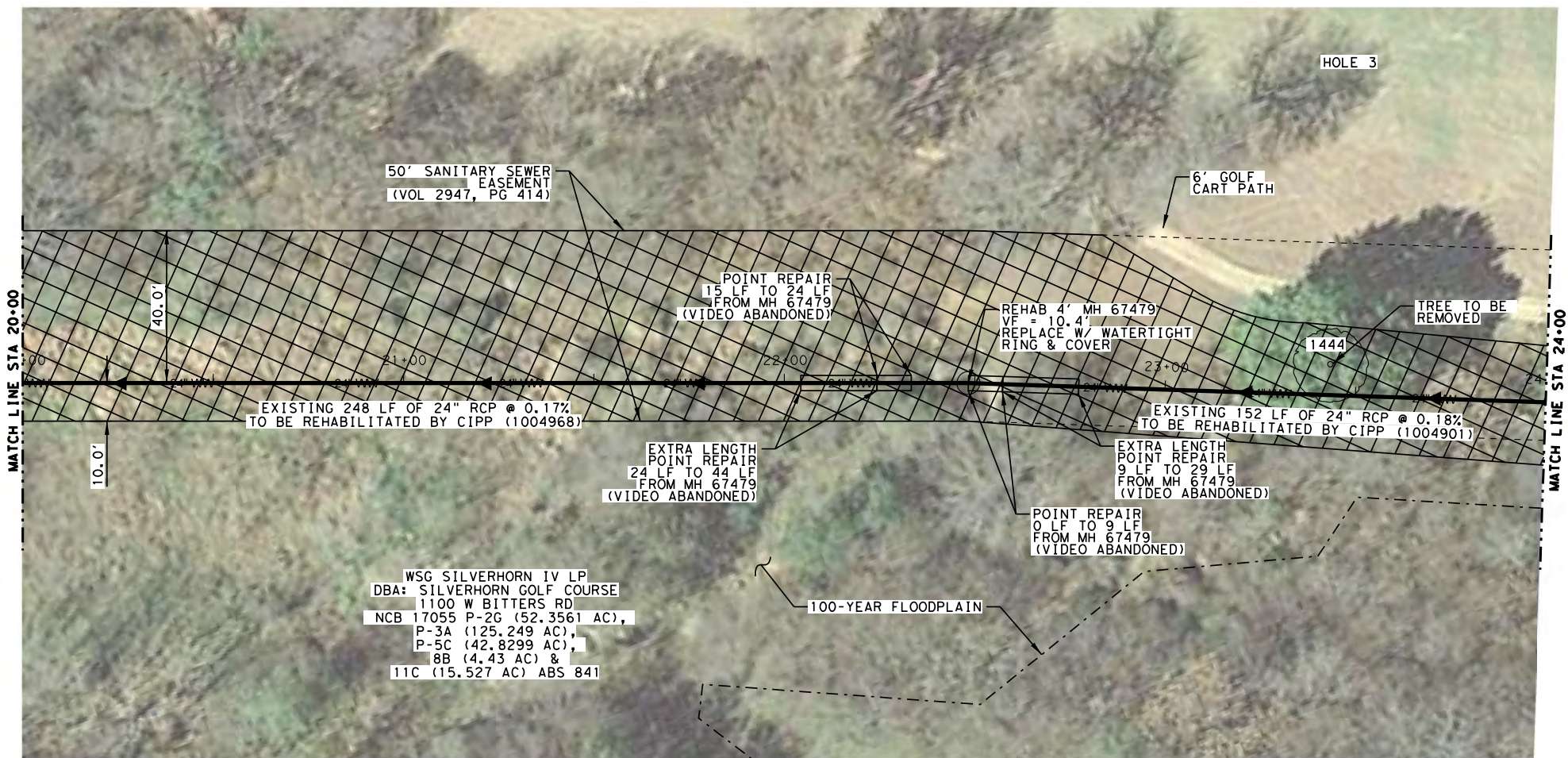
ADDENDUM NO. 1	ADF	MRP	8/7/19
No.	Revision	Drawn	Approved

**REVISIONS**

SILVERHORN GOLF COURSE 24-INCH REHAB PACKAGE CIPP PROJECT LOCATION 2 STA 8+00 TO 12+00 (3 OF 9)	
DEVELOPER:	BUDGET PROJ.
SUBMITTED:	
APPROVED:	
MAP No.	
SECT. No.	
DR. MW	CK.
JOB No. 18-4540	

SHEET 9 OF 45

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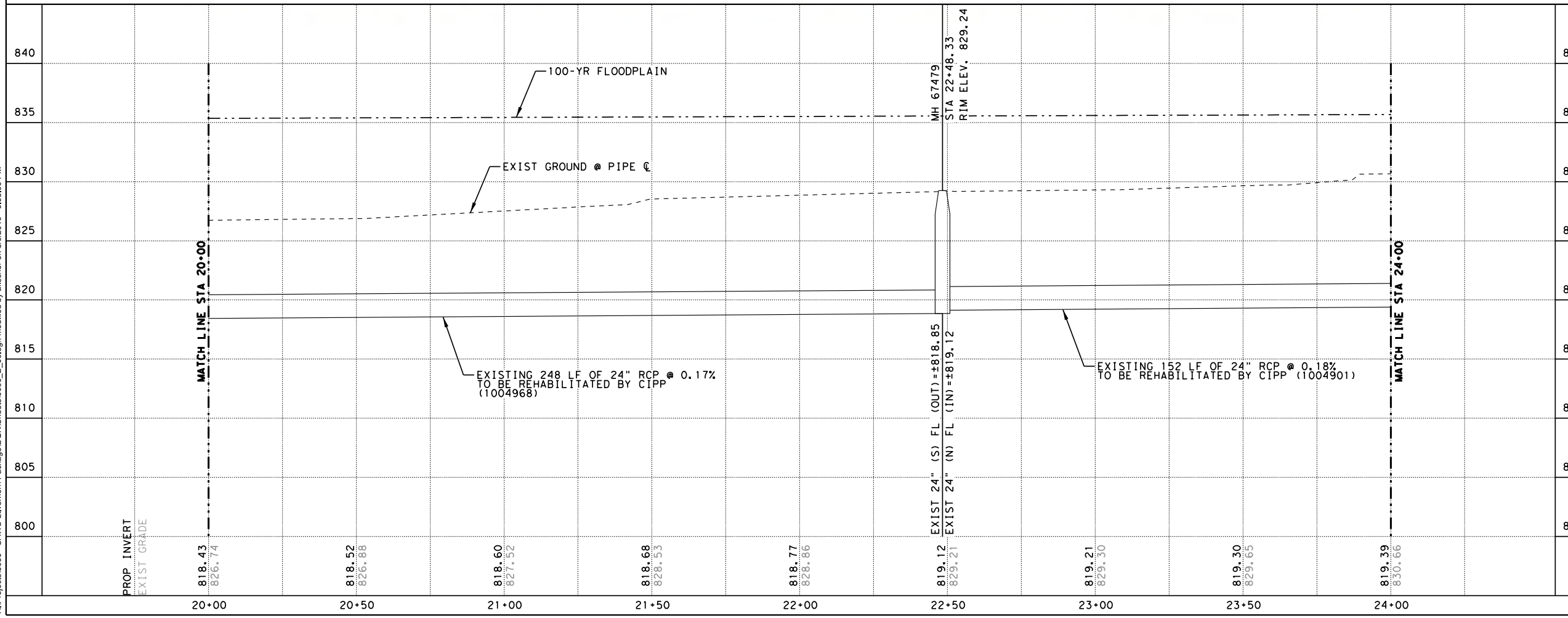
ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	58
851	ADJUST EXISTING MANHOLES	EA	1
866	SEWER MAIN TELEVISION INSPECTION (8" TO 24")	LF	400
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (24")	LF	400
SS910.1	MANHOLE REHABILITATION (STANDARD MANHOLES UP TO 5' DIA.)	VF	10.4
SP1103.1	POINT REPAIRS FOR 24" DIAMETER (6'-10' DEPTH)	EA	1
SP1103.2	POINT REPAIRS FOR 24" DIAMETER (10'-14' DEPTH)	EA	1
SP1103.3	EXTRA LENGTH POINT REPAIRS FOR 24" DIAMETER (6'-10' DEPTH)	LF	20
SP1103.4	EXTRA LENGTH POINT REPAIRS FOR 24" DIAMETER (10'-14' DEPTH)	LF	20
SP1103.5	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 24"-30" DIAMETER, ALL DEPTHS	EA	1

**LEGEND**

- EXISTING FIRE HYDRANT
- PRIMARY CONSTRUCTION ACCESS
- SECONDARY CONSTRUCTION ACCESS
- WASTEWATER LINE TO BE REHABILITATED
- EXIST SERVICE LINE
- EXIST OVERHEAD UTILITIES
- EXIST UNDERGROUND UTILITIES
- EXIST STORM DRAIN
- EXIST WATERLINE
- EXIST WASTEWATER LINE
- EXIST GAS LINE
- EXIST IRRIGATION
- EXIST UNDERGROUND IRRIGATION CABLE
- PROPERTY LINE
- 100-YEAR FLOODPLAIN LIMITS
- CONCEPTUAL BYPASS LINE
- TEMPORARY CHAIN LINK FENCE

WSG SILVERHORN IV LP  
 DBA: SILVERHORN GOLF COURSE  
 1100 W BITTERS RD  
 NCB 17055 P-2G (52.3561 AC),  
 P-3A (125.249 AC),  
 P-5C (42.8299 AC),  
 8B (4.43 AC) &  
 11C (15.527 AC) ABS 841

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HORIZONTAL SCALE  
20' = 1"

VERTICAL SCALE  
5' = 1"

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ADDENDUM NO. 1	ADF	MRP	8/7/19		
No.	Revision	Drawn	Approved	Date	
<b>REVISIONS</b>					
<b>SILVERHORN GOLF COURSE</b> <b>24-INCH REHAB PACKAGE</b> <b>CIPP</b> <b>PROJECT LOCATION 2</b> <b>STA 20+00 TO 24+00</b> <b>(6 OF 9)</b>					
DEVELOPER:					
CONT. _____			BUDGET PROJ. _____		
SUBMITTED _____					
APPROVED _____					
MAP No. _____					SHEET
SECT. No. _____					12
DR. MW CK. _____				JOB No. 18-4540 OF 45	