



EAP II PACKAGE – 2017
Solicitation Number: #CO-00129
SAWS Sewer Job No.: 17-4525

ADDENDUM 1
June 29, 2017

To Bidder of Record:

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

MODIFICATIONS TO SPECIFICATIONS

1. Bid Proposal – Remove the bid proposal in its entirety and replace with the attached. This revised version should be used by bidders when submitting a bid for this project. The following items were updated:
 - a. Item 203
 - b. Item 205
 - c. Item 206
 - d. Item 854
 - e. Item 1109

2. Special Conditions – Insert the following to section SC-2.3 Payment:

“There will be no measurement or payment for preparation of right-of-way; insurance; bonding; and permitting costs on this contract. There will be no separate payment for temporary or permanent fencing, with all related costs included in the item to which it pertains. All mobilization and remobilization and any other costs associated with these items shall be included in the applicable contract price based on the unit price for the items to which the work pertains. There will be no separate payment for clearing and grubbing or tree pruning.”

The remainder of the paragraph remains the same.

3. Replace Special Provisions to Specifications (SPTS –1 through SPTS -8) with attached Special Provisions (SPTS –1 through SPTS -8)

MODIFICATIONS TO PLANS

1. Plan sheet 2 – Replace sheet dated 6/19/17 with attached sheet dated 6/29/17
2. Plan sheet 27 – Replace sheet dated 6/19/17 with attached sheet dated 6/29/17
3. Plan sheet 28 – Replace sheet dated 6/19/17 with attached sheet dated 6/29/17
4. Plan sheet 29 – Replace sheet dated 6/19/17 with attached sheet dated 6/29/17
5. Plan sheet 30 – Replace sheet dated 6/19/17 with attached sheet dated 6/29/17

6. Plan sheet 33 – Replace sheet dated 6/19/17 with attached sheet dated 6/29/17

7. Plan sheet 34 – Replace sheet dated 6/19/17 with attached sheet dated 6/29/17

RESPONSES TO QUESTIONS

1. We were looking through the drawings for this project after downloading them today, and realized that the drawing sheets skip from sheet 37 of 71 to 42 of 71. Drawing sheets 38 through 41 are missing. Should sheets 38-41 be included in the drawings, or were these pages removed from the drawings on purpose?

Answer: These sheets were intentionally left out. The sheet index on sheet 1 states that sheets 38 through 41 are not used.

CLARIFICATIONS

1. The Engineer's Opinion of Probable Cost has been revised from \$1,227,391.00 to \$1,295,939.00.


Michael Persyn, P.E.
K Friese + Associates, Inc.



END OF ADDENDUM 1

This Addendum, including these two (2) pages, is twenty-one (21) pages with attachments in its entirety.

Attachments: Bid Proposal (BP-1)
Bid Proposal Line Items
Proposal Certification
Special Provisions to Technical Specifications
Plan sheets 2, 27, 28, 29, 30, 33, and 34

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

\$ _____

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.***

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.

BID

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **180** 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.

SAWS EAP II Package - 2017

SAWS Water Job No. 17-4525

Solicitation No. CO-00129

Item No.	Spec No.	Bid Items Specification No. & Description	Unit	Qty.	Unit Price	Total Price
1	103	REMOVE CONCRETE CURB (COSA SPEC)	LF	80	\$	\$
2	103	REMOVE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	204	\$	\$
3	104	REMOVE CONCRETE (CURB) (TXDOT SPEC)	LF	40	\$	\$
4	203	TACK COAT (COSA SPEC)	GAL	128	\$	\$
5	205	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	SY	1076	\$	\$
6	205	HOT MIX ASPHALTIC PAVEMENT - TYPE C (3" COMPACTED DEPTH) (COSA SPEC)	SY	204	\$	\$
7	206	ASPHALT TREATED BASE (10" COMPACTED DEPTH) (COSA SPEC)	SY	188	\$	\$
8	208	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	971	\$	\$
9	208	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH) (COSA SPEC)	SY	204	\$	\$
10	413	FLOWABLE FILL (COSA SPEC)	CY	4	\$	\$
11	500	CONCRETE CURB (COSA SPEC)	LF	80	\$	\$
12	502	CONCRETE SIDEWALKS (COSA SPEC)	SY	18	\$	\$
13	503	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	6	\$	\$
14	515.1	TOPSOIL (COSA SPEC)	CY	17	\$	\$
15	516.1	BERMUDA SODDING (COSA SPEC)	SY	65	\$	\$
16	529	CONCRETE CURB (TY I) (TXDOT SPEC)	LF	40	\$	\$
17	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC)	EA	27	\$	\$
18	535.1	4 INCH WIDE YELLOW LINE (COSA SPEC)	LF	20	\$	\$
19	535.2	4 INCH WIDE WHITE LINE (COSA SPEC)	LF	20	\$	\$
20	535.7	24 INCH WIDE WHITE LINE (COSA SPEC)	LF	20	\$	\$
21	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	193	\$	\$
22	851	ADJUST EXISTING MANHOLES	EA	46	\$	\$
23	854	SANITARY SEWER LATERAL 6" DIAMETER (SDR-26 ASTM3034)	LF	358.12		
24	854	TWO-WAY SANITARY SEWER CLEANOUT	EA	47		
25	855	RECONSTRUCTION OF EXISTING MANHOLES (4' DIAMETER)	EA	3	\$	\$
26	864-S1	BYPASS PUMPING - SMALL DIAMETER	EA	27	\$	\$
27	866	SEWER MAIN PRE-TELEVISION	LF	6934	\$	\$
28	900	RECONSTRUCTION OF SANITARY SEWER BY PIPE BURSTING REPLACEMENT PROCESS 8 IN	LF	3189	\$	\$
29	901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER OR STEAM CURED) 8 IN	LF	2686	\$	\$
30	901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER OR STEAM CURED) 10 IN	LF	504	\$	\$
31	901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER OR STEAM CURED) 15 IN	LF	555	\$	\$
32	910	MANHOLE REHABILITATION (4' DIAMETER)	VF	339.97	\$	\$
33	1103	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH)	EA	17	\$	\$
34	1103	EXTRA LENGTH POINT REPAIR, 8" OR 10" DIAMETER, ALL	LF	58	\$	\$
35	1103	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 12" OR 15" DIAMETER, ALL DEPTH	EA	1	\$	\$
36	1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	40	\$	\$
37	1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION)	EA	88	\$	\$

PROPOSAL CERTIFICATION

Accompanying this proposal is a Bid Bond or Certified or Cashier's Check payable to the Order of the San Antonio Water System for _____ dollars (\$_____), which amount represents five percent (5%) of the total bid price. Said bond or check is to be returned to the bidder unless the proposal is accepted and the bidder fails to execute and file a contract within **10** calendar days after the award of the Contract, in which case the check shall become the property of said San Antonio Water System, and shall be considered as payment for damages due to delay and other inconveniences suffered by said San Antonio Water System due to the failure of the bidder to execute the contract. The San Antonio Water System reserves the right to reject any and all bids.

It is anticipated that the Owner will act on this proposal within **60** calendar days after the bid opening. Upon acceptance and award of the contract to the undersigned by the Owner, the undersigned shall execute standard San Antonio Water System Contract Documents and make Performance and Payment Bonds for the full amount of the contract within **10** calendar days after the award of the Contract to secure proper compliance with the terms and provisions of the contract, to insure and guarantee the work until final completion and acceptance, and the guarantee period stipulated, and to guarantee payment of all lawful claims for labor performed and materials furnished in the fulfillment of the contract.

It is anticipated that the Owner will provide written Authorization to Proceed within **30** days after the award of the contract.

The work called for in this Contract shall commence on the date indicated in the SAWS written Authorization to Proceed Under no circumstances shall the work commence prior to the date provided for in the SAWS issued, written Authorization to Proceed. Work shall be completed in full within **180** consecutive calendar days.

The undersigned further acknowledges compliance with "Wage and Labor Standard Provisions" of this contract and the use of the Blue Book rental rates for establishment of equipment rental rates whether owned or leased during the course of this Contract.

In completing the work contained in this proposal the undersigned certifies that bidder's practices and policies do not discriminate on the grounds of race, color, religion, sex or national origin and that the bidder will affirmatively cooperate in the implementation of these policies and practices.

Signed: _____
Company Representative

Company Name

Address

Please return bidder's check to:

Company Name

Address

Special Provisions to Technical Specifications

A. Revision to CoSA Specification Item 516 Sodding

516.2.A *Materials*: **DELETE** this paragraph in its entirety and **REPLACE** with the following:

- A. *Block Sod*. Use block sod free from noxious weeds, Johnson grass, other grasses, or any matter deleterious to the growth and subsistence of sod. Bermuda sod for Riverside Golf Course shall be Bermuda 419 Tifway.

All other language in this specification 516 remains in full force.

B. Revision to CoSA Specification Item 530 Barricades, Signs and Traffic Handling

530.5 *Measurement*: **DELETE** this paragraph in its entirety and **REPLACE** with the following:

This item will be measured by "Per Each" as indicated on the plans.

530.6 *Payment*: **DELETE** this paragraph in its entirety and **REPLACE** with the following:

This item will be paid for per each pipe segment at the contract "per each" price bid for "barricades, signs, and traffic handling". This price shall be full compensation for furnishing all labor, materials, supplies, signs (including electronic portable changeable message signs), equipment and incidentals necessary to complete the work as specified. Failure to complete the work within time allowed in the project contract due to approving designs, testing, material shortages, closed construction season, curing periods, and testing periods will not qualify for additional compensation. When additional work is added by an approved field alteration or when work is suspended for the convenience of the Owner, through no fault of the contractor, additional compensation may be paid to the Contractor.

530.7 *Bid Item*: **DELETE** this paragraph in its entirety and **REPLACE** with the following:

Item 530.7 -Barricades, Signs and Traffic Handling (per each).

All other language in this specification 530 remains in full force.

C. Revision to CoSA Specification Item 540 Temporary Erosion, Sedimentation and Water Pollution Prevention and Control

540.1 *Description*: **ADD** the following paragraph to section 540.1 Description:

For additional Stormwater Pollution Prevention Requirements, reference the attached SW3P Notice to Permit Holder regarding updates to the Construction Stormwater

Special Provisions to Technical Specifications

Ordinance (Ord. 94002) effective January 1, 2017 attached to the end of the Special Provisions to Technical Specifications.

All other language in this specification 540 remains in full force.

D. Revision to CoSA Specification Item 552 Removing and Relocating Irrigation Systems

*552.5 Measurement: **DELETE** this paragraph in its entirety and **REPLACE** with the following:*

This item shall not be measured for payment.

*552.6 Payment: **DELETE** this section in its entirety and **REPLACE** with the following:*

No direct payment shall be made for this item and all costs in connection therewith shall be included in the applicable contract price for the item to which it relates.

All other language in this specification 552 remains in full force.

E. Revision to SAWS Standard Specification Item No. 100 Mobilization

*100.2 Measurement: **DELETE** this paragraph in its entirety and **REPLACE** with the following:*

This item shall not be measured for payment.

*100.3 Payment: **DELETE** this section in its entirety and **REPLACE** with the following:*

No direct payment shall be made for this item and all costs in connection therewith shall be included in the applicable contract price for the item to which it relates.

All other language in this specification 100 remains in full force.

F. Revision to SAWS Standard Specification Item No. 101 Preparing Right of Way

*101.3 Measurement: **DELETE** this paragraph in its entirety and **REPLACE** with the following:*

This item shall not be measured for payment.

Special Provisions to Technical Specifications

*101.4 Payment: **DELETE** this section in its entirety and **REPLACE** with the following:*

No direct payment shall be made for this item and all costs in connection therewith shall be included in the applicable contract price for the item to which it relates. Adherence to City of San Antonio Tree Ordinance is included as part of bid item.

All other language in this specification 101 remains in full force.

G. Revision to SAWS Standard Specification Item No. 864-S1 Bypass Pumping (Small Diameter Sanitary Sewers)

*864.7 Measurement and Payment: **DELETE** this paragraph in its entirety and **REPLACE** with the following:*

Measurement for the work specified herein will be per each pipeline segment and as required by the contract documents. Each location being measured for payment shall be in accordance with the following: Any effort required for multiple set-ups and operations shall be included in the per each price. This includes bypassing of all connected sanitary sewer mains (regardless of size) in order to isolate the pipeline segment for completion of the proposed rehabilitation.

- 1. When initial set-up and operation of the bypass pumping system begins for each pipeline segment (including a successful test), 20% of the "Per Each" cost will be paid as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.*
- 2. 60% of the "Per Each" cost will be paid over equal monthly payments (estimated from the BPP or other documentation approved by the Inspector) during the course of the bypass pumping operation as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.*
- 3. 20% of the remaining "Per Each" cost will be paid upon an acceptable removal and/or disassembly of all components of the BPP, including site cleanup as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.*
- 4. For multi-bypass pumping setups, payment will be proportional to the overall amount of the established bid line item.*
- 5. Measurement of the work for pipe plugs shall be incidental to the work and will not have a separate pay item. Any damages, repairs, etc., to private or public property will not be considered for any additional payment.*

Any damages, repairs, etc., to private or public property will not be considered for any additional payment.

All other language in this specification 864-S1 remains in full force.

Special Provisions to Technical Specifications

H. Revision to SAWS Standard Specification Item No. 866 Sewer Main Television Inspection

866.1 Description: The statement to be replaced currently reads as follows:

The Contractor shall furnish all labor, materials, equipment, and incidentals to provide the televising and a NASSCO-(PACP) standard video, recorded in MPEG-1 format and written to DVD video, of sewer main and manholes utilizing a color, closed-circuit television inspection unit to determine their condition. The video shall include an inclinometer, visible on the video being viewed, noting the slope of the main being televised.

The above statement is to be replaced with the following:

The Contractor shall furnish all labor, materials, equipment, and incidentals to provide the closed-circuit televising. All inspections shall be in accordance with NASSCO PACP requirements and a NASSCO PACP database shall be submitted. All digital video files shall be color, closed-circuit TV in MPEG-1 format. The video shall include an inclinometer, visible on the video being viewed, noting the slope of the main being televised. The contractor shall provide all inspection data of mains and manholes written to a single storage device.

General Clarification: All references to DVD should be replaced with a single data storage device.

866.2 General: The statement to be replaced currently reads as follows:

After completion of the work specified in the contract documents, and prior to placement of the final course of asphalt or other final surface, the newly constructed or rehabilitated sanitary sewer main shall be televised immediately upon cleaning. Televising shall be observed by the Inspector or Engineer and Contractor, as the camera is run through the system. Any abnormalities such as, but not limited to, misaligned joints, cracked/defected pipe, rolled gaskets, shall be repaired by the Contractor solely at his expense. Sections requiring repair shall be re-televised to verify condition of repair. No additional compensation shall be provided for all needed repairs, re-cleaning, or re-televising efforts.

The above statement is to be replaced with the following:

Before construction of the sanitary sewer main, if required, the main shall be televised to locate laterals, observe existing conditions and immediately upon cleaning or clearing existing main. The Contractor shall furnish all labor, equipment, appliances, and materials necessary for cleaning the sewer system including the removal of all debris, solids, sand, grease, grit, etc. from the sewer and manholes to

Special Provisions to Technical Specifications

facilitate television inspection. Televising shall be observed by the Inspector or Engineer and contractor as the camera is run through the system and shall be in accordance with NASSCO PACP guidelines. No additional compensation shall be provided for cleaning, clearing, or re-televising.

After construction of the sanitary sewer main and prior to placement of the final course of asphalt or other final surface, the newly constructed sanitary sewer shall be televised immediately upon cleaning. Televising shall be observed by the Inspector or Engineer, and contractor as the camera is run through the system. Any abnormalities such as, but not limited to, misaligned joints, cracked/defected pipe, rolled gaskets, shall be repaired by the Contractor solely at his expense. Sections requiring repair shall be re-televised to verify condition of repair. No additional compensation shall be provided for all needed repairs, re-cleaning, or re-televising efforts.

866.3 Execution: The statement to be replaced currently reads as follows:

The television unit shall also have the capability of displaying in color, on DVD, pipe inspection observations such as pipe defects, sags, points of root intrusion, offset joints, service connection locations, and any other relevant physical attributes. Each DVD shall be permanently labeled with the following:

- 1. Project name / SAWS Job # / Work Order #;*
- 2. Date of television inspection;*
- 3. Station to station location and size of sanitary sewer;*
- 4. Street/easement location;*
- 5. Name of Contractor;*
- 6. Date DVD submitted;*
- 7. DVD number;*
- 8. SAWS Inspector Name.*

The above statement is to be replaced with the following:

The television unit shall also have the capability of displaying in color, on videos, pipe inspection observations such as pipe defects, sags, points of root intrusion, offset joints, service connection locations, and any other relevant physical attributes. Each video shall be permanently labeled at the beginning of the video with the following:

- 1. Project name / SAWS Job # / Work Order #;*
- 2. Date of television inspection;*
- 3. Manhole UNITIDs (as labeled on plans) and size of sanitary sewer;*
- 4. Street/easement location;*
- 5. Name of Contractor;*

Special Provisions to Technical Specifications

Each video shall be submitted with the following information:

- 1. Project name / SAWS Job # / Work Order #;*
- 2. Date of television inspection;*
- 3. Manhole UNITIDs (as labeled on plans and size of sanitary sewer);*
- 4. Street/easement location;*
- 5. Name of Contractor;*
- 6. Date video submitted;*
- 7. Data storage device number;*
- 8. SAWS Inspector Name.*

All other language in this specification 866 remains in full force.

I. Revision to SAWS Standard Specification Item No. 900 Reconstruction of Sanitary Sewer by Pipe Bursting Replacement Process

900.7 Payment: DELETE this paragraph in its entirety and REPLACE with the following:

Payment: Payment for items included in this specification shall be in accordance with the pay items listed below. Work included in these items shall include and the price provided by the Contractor will be considered as full compensation for furnishing and placing of all materials, labor, tools, and equipment; cleaning, preparation, repairs, obstruction removal, inspection; and phasing, protecting, work execution and any other work necessary to complete the project.

- a. Installed Pipe: The inserted pipe will be paid for per linear foot of pipe installed using pipe bursting crushing method for the pipe diameter, type, quantity, and depth specified and will include all pipe installation materials, all submittals, sealing materials at manholes and annulus (if required), launching pits, receiving pits, post testing, shoring, bedding, backfill, and all necessary, corresponding, and related work specified herein.*
- b. Services: Payment will be made in accordance with SAWS Specifications for Construction Item 1109 "Sanitary Sewer Lateral Stub Outs or Reconnections".*
- c. Point Repairs: Payment will be made in accordance with SAWS Specifications for Construction Item 1103, "Point Repairs and Obstruction Removals".*
- d. Obstruction Removal: Payment will be made in accordance with SAWS Specifications for Construction Item 1103, "Point Repairs and Obstruction Removals".*
- e. Site Restoration: Site restoration shall not be paid directly for insertion or receiving pits but shall be considered subsidiary to the applicable contract price for the pipe bursting pay item.*

Special Provisions to Technical Specifications

- f. Television Inspection: Payment will be made for television inspection of the sewer line prior to pipe rehabilitation in accordance with SAWS Specifications for Construction Item No. 866 “Sewer Main Television Inspection” and cleaning will be in accordance with SAWS Specifications for Construction Item No. 868 “Sanitary Sewer System Cleaning”. There will be no additional or separate payment for “postTV” video inspection, documentation, required submittals, and associated or related work.*
- g. Bypass Pumping: Payment will be made in accordance with SAWS Specifications for Construction Item No. 864-S1, “Bypass Pumping (Small Diameter Sanitary Sewer)” and Item No. 864-S2, “Bypass Pumping (Large Diameter Sanitary Sewer)”.*

All other language in this specification 900 remains in full force.

J. Revision to SAWS Standard Specification Item No. 901 Rehabilitation of Sanitary Sewer by Cured-in-Place Pipe (Hot Water or Steam Cured)

*901.4 Materials: **ADD** the following:*

- 1.i. Hydrophilic End Seal Sleeves are required at each end of the pipe to be rehabilitated. LMK Technologies “Insignia” Hydrophilic end seal sleeve or Engineer approved equal shall be used.*

901.5 Construction: The statement to be replaced currently reads as follows:

10. Operation

d. Tube Insertion - The wetout tube shall be positioned in the pipeline using either inversion or a pull-in method. Under the inversion method, care shall be taken during the inversion process so as not to over-stress the tube. If pulled into place, a power winch should be utilized and care should be exercised not to damage the tube as a result of pull-in friction. The tube should be pulled-in or inverted through an existing manhole or approved access point and fully extended to the next designated manhole or termination point. The contractor shall install a gauge to monitor the pulling force of the pulled in tube. A written log shall be kept noting the pulling force and any fluctuations in the pulling force. The force shall not exceed the manufacturer’s recommendations. Any occurrences exceeding the manufacturer’s recommendations will be cause for rejection of work.

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The above statement is to be replaced with the following:

d. Tube Insertion – Prior to CIPP liner insertion, Contractor shall install hydrophilic end seals at all manhole penetrations per manufacturer instructions. The wetout tube shall be positioned in the pipeline using either inversion or a pull-in method. Under the inversion method, care shall be taken during the inversion process so as not to over-stress the tube. If pulled into place, a power winch should be utilized and care should be exercised not to damage the tube as a result of pull-in friction. The tube should be pulled-in or inverted through an existing manhole or approved access point and fully extended to the next designated manhole or termination point. The contractor shall install a gauge to monitor the pulling force of the pulled in tube. A written log shall be kept noting the pulling force and any fluctuations in the pulling force. The force shall not exceed the manufacturer's recommendations. Any occurrences exceeding the manufacturer's recommendations will be cause for rejection of work.

All other language in this specification 901 remains in full force.

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K. Revision to SAWS Standard Specification Item No. 1103 Point Repairs and Obstruction Removals

1103.4 Under Measurement and Payment: The statement to be replaced currently reads as follows:

1.h.(5) Restoration of site improvements, including sodding.

The above statement is to be replaced with the following:

1.h.(5) Restoration of site improvements, including topsoil and sodding. Payment for pavement restoration shall be made separately on a square yard basis in accordance with applicable bid items. Quantities shown in the plans are based upon a 10 foot long by 3 foot wide excavation. No quantity overruns shall be allowed for excavations in excess of these dimensions. The Contractor shall not be paid for paving restoration for reconnections located in areas already requiring full width paving restoration.

All other language in this specification 1103 remains in full force.

L. Revision to SAWS Standard Specification Item No. 1109 Sanitary Sewer Lateral Stub Outs or Reconnections

1109.4 Measurement and Payment: ADD the following:

Special Provisions to Technical Specifications

k. Payment for paving restoration for each service reconnection located in HMAC paving shall be made separately on a square yard basis in accordance with applicable bid items. Quantities shown in the plans are based upon a 4 foot by 4 foot excavation. No quantity overruns shall be allowed for excavations in excess of these dimensions. The Contractor shall not be paid for paving restoration for reconnections located in areas already requiring full width paving restoration.

All other language in this specification 1109 remains in full force.

M. Revision to SAWS Standard Specification Item No. 1114 Pre-Construction Video

1114.3 Under Execution: The statement to be replaced currently reads as follows:

The contractor shall submit 1 copy of the completed DVD.

The above statement is to be replaced with the following:

The contractor shall submit 2 copies of the completed DVD.

All other language in this specification 1114 remains in full force.

- END -

GENERAL SEWER NOTES (NOVEMBER 3, 2016)

- ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER SYSTEM (SAWS) AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
 - CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND "PUBLIC DRINKING WATER", TAC TITLE 30 PART 1 CHAPTER 290.
 - CURRENT TXDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE."
 - CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION."
 - CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION."
 - CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL"(UECM).
- THE CONTRACTOR SHALL OBTAIN SAWS STANDARD DETAILS FROM SAWS WEBSITE, HTTP://WWW.SAWS.ORG/BUSINESS.CENTER/SPECS. UNLESS OTHERWISE NOTED WITHIN DESIGN PLANS.
- THE CONTRACTOR IS TO NOTIFY AND MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 233-3500, AND PROVIDE NOTIFICATION PROCEDURES THE CONTRACTOR WILL USE TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 72 HOURS PRIOR TO EXCAVATION.
- LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST 1 WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1-2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS FACILITIES. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:
 - SAN ANTONIO WATER SYSTEM:
 - SAWS UTILITY LOCATES: HTTP://WWW.SAWS.ORG/SERVICE/LOCATES
 - COSA DRAINAGE 207-8048
 - COSA TRAFFIC SIGNAL OPERATIONS 207-7720
 - TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005 OR 811
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION AS A RESULT OF DAMAGES DONE BY THE PROJECT'S CONSTRUCTION.
- ALL WORK IN TEXAS HIGHWAY DEPARTMENT AND BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT.
- THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.
- THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN PERMIT.
- ANY WORK COMPLETED WITHOUT PRIOR WRITTEN AUTHORIZATION WHICH IS NOT INCLUDED IN THESE PLANS AND SPECIFICATIONS WILL NOT BE COMPENSATED BY THE SAN ANTONIO WATER SYSTEM.
- HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.
WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY THE SAWS INSPECTION CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST WEEKEND WORK. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.
ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDAY/WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION.
- PRE CON SITE VIDEO: BEFORE THE START OF ANY CONSTRUCTION. THE SITE MUST BE VIDEO RECORDED BY THE CONTRACTOR WITH ONE COPY SUBMITTED TO SAWS INSPECTIONS. A PRE-SITE VIDEO WILL PROVIDE ACCURATE DOCUMENTATION OF THE EXISTING CONDITIONS. (NSPI)
- POWER POLE BRACING: CONTRACTORS SHOULD BE ADVISED THAT THERE ARE EXISTING OVERHEAD UTILITY POLES ALONG THE PROJECT CORRIDOR. CONTRACTORS SHOULD FURTHER BE ADVISED THAT IF THE DISTANCE FROM THE OUTSIDE FACE OF A UTILITY TRENCH TO THE FACE OF A UTILITY POLE IS LESS THAN 5 FEET, SAID UTILITY POLE IS SUBJECT TO BRACING, BASED ON A DETERMINATION MADE BY UTILITY POLE OWNER. COSTS INCURRED BY CONTRACTOR FOR BRACING OF THESE UTILITY POLES IS SUBSIDIARY TO THAT RESPECTIVE UTILITY COMPANY'S WORK. IT IS ADVISABLE FOR THE CONTRACTOR TO REVIEW THE CONSTRUCTION DOCUMENTS, AND VISIT THE CONSTRUCTION SITE TO DETERMINE POTENTIAL IMPACTS.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOW (SSO) OCCURS AS A RESULT OF THEIR WORK. ALL CONTRACTOR PERSONNEL RESPONSIBLE FOR SSO PREVENTION AND CONTROL SHALL BE TRAINED ON PROPER RESPONSE. SHOULD AN SSO OCCUR, THE CONTRACTOR SHALL:
 - IDENTIFY THE SOURCE OF THE SSO AND NOTIFY SAWS EMERGENCY OPERATIONS CENTER (EOC) IMMEDIATELY AT (210)233-2015. PROVIDE THE ADDRESS OF THE SPILL AND AN ESTIMATED VOLUME OR FLOW.
 - ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.
 - CONTAIN SEWAGE FROM THE SSO TO THE EXTENT OF PREVENTING A POSSIBLE CONTAMINATION OF WATERWAYS.
 - CLEAN UP SPILL SITE (RETURN CONTAINED SEWAGE TO THE COLLECTION SYSTEM IF POSSIBLE) AND PROPERLY DISPOSE OF CONTAMINATED SOIL/MATERIALS.
 - CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.
 - MEET ALL POST-SSO REQUIREMENTS AS PER THE EPA CONSENT DECREE, INCLUDING LINE CLEANING AND TELEVISION THE AFFECTED SEWER MAINS (AT SAWS DIRECTION) WITHIN 24 HOURS.
 SHOULD THE CONTRACTOR FAIL TO ADDRESS AN SSO IMMEDIATELY AND TO SAWS SATISFACTION, THEY WILL BE RESPONSIBLE FOR ALL COSTS INCURRED BY SAWS, INCLUDING ANY FINES FROM EPA.
NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TCEQ AND SAWS.
- THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED, IN ACCORDANCE WITH SAWS STANDARD SPECIFICATION FOR WATER AND SANITARY SEWER CONSTRUCTION. PAYMENT FOR SUCH WORK WILL BE MADE UNDER THE BID ITEM FOR THE APPLICABLE SPECIFICATION.
- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING FORCE MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 233-3500 AND/OR SAWS PRODUCTION GROUPS AT LEAST ONE WEEK OR MORE IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
- ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR TOP OF MANHOLES TO MATCH THE FINISHED GRADE OF THE PROJECT'S IMPROVEMENTS. (NSPI).
- THE CONTRACTOR SHALL NOTIFY JUAN C. RAMIREZ AT (210) 233-3558 AND SAWS E.O.C. AT (210) 233-2015 A MINIMUM OF 72 HOURS, NOT COUNTING WEEKENDS OR SAWS HOLIDAYS, BEFORE WORKING ON THE PIPE OR MANHOLE, IN ORDER TO HAVE SAWS REMOVE THE FLOWMETER/SMART COVER. ANY DAMAGE DONE TO THE FLOWMETER/SMART COVER WILL BE CHARGED TO THE CONTRACTOR THROUGH A CHANGE ORDER.

- CPS ENERGY NOTE:
- CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN PROJECT AREA.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.
 - CONTRACTOR TO COORDINATE WITH CPS ENERGY AND FIELD VERIFY THE DEPTH OF GAS MAINS BEFORE BEGINNING OF CONSTRUCTION.

NOTE FOR THE CITY OF SAN ANTONIO FLATWORK:
ALL LIMITS FOR CURB, SIDEWALK, AND TREE PREP BEYOND WHAT IS CONSIDERED INCIDENTAL TO NORMAL UTILITY CONSTRUCTION WILL BE ADDRESSED BY THE SAWS INSPECTOR. SAWS INSPECTOR WILL ALSO DETERMINE IF ADDITIONAL COMPENSATION IS WARRANTED IF LIMITS EXCEED INCIDENTALS.

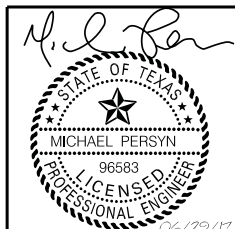
- AT&T NOTES:
- THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE.
 - THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-545-6005) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

TRENCH EXCAVATION SAFETY PROTECTION
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OF SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

TOTAL ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
103	REMOVE CONCRETE CURB (COSA SPEC)	LF	80
103	REMOVE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	204
104	REMOVE CONCRETE (CURB) (TXDOT SPEC)	LF	40
203	TACK COAT (COSA SPEC)	GAL	128
205	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	SY	1076
205	HOT MIX ASPHALTIC PAVEMENT - TYPE C (3" COMPACTED DEPTH) (COSA SPEC)	SY	204
206	ASPHALT TREATED BASE (10" COMPACTED DEPTH) (COSA SPEC)	SY	188
208	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	971
208	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH) (COSA SPEC)	SY	204
413	FLOWABLE FILL (COSA SPEC)	CY	4
500	CONCRETE CURB (COSA SPEC)	LF	80
502	CONCRETE SIDEWALKS (COSA SPEC)	SY	18
503	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	6
515.1	TOPSOIL (COSA SPEC)	CY	16.5
516.1	BERMUDA SODDING (COSA SPEC)	SY	65
529	CONCRETE CURB (TY 1) (TXDOT SPEC)	LF	40
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC)	EA	27
535.1	4 INCH WIDE YELLOW LINE (COSA SPEC)	LF	20
535.2	4 INCH WIDE WHITE LINE (COSA SPEC)	LF	20
535.7	24 INCH WIDE WHITE LINE (COSA SPEC)	LF	20
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	193
851	ADJUST EXISTING MANHOLES	EA	46
854	SANITARY SEWER LATERAL 6" DIAMETER (SDR-26 ASTM3034)	LF	358.12
854	TWO-WAY SANITARY SEWER CLEANOUT	EA	47
855	RECONSTRUCTION OF EXISTING MANHOLES (4' DIAMETER)	EA	3
864-51	BYPASS PUMPING - SMALL DIAMETER	EA	27
866	SEWER MAIN PRE-TELEVISION	LF	6934
900	RECONSTRUCTION OF SANITARY SEWER BY PIPE BURSTING REPLACEMENT PROCESS 8 IN	LF	3189
901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER OR STEAM CURED) 8 IN	LF	2686
901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER OR STEAM CURED) 10 IN	LF	504
901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER OR STEAM CURED) 15 IN	LF	555
910	MANHOLE REHABILITATION (4' DIAMETER)	VF	339.97
1103	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH)	EA	17
1103	EXTRA LENGTH POINT REPAIR, 8" OR 10" DIAMETER, ALL DEPTHS	LF	58
1103	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 12" OR 15" DIAMETER, ALL DEPTH	EA	1
1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	40
1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION)	EA	88

PROJECT SPECIFIC NOTES:

- CONTRACTORS USING TRENCHLESS CONSTRUCTION METHODS, SUCH AS PIPE BURSTING, THAT CREATE GROUND DISPLACEMENT AND/OR VIBRATIONS AND THEREFORE POSE POTENTIAL FOR DAMAGE TO NEARBY EXISTING UTILITIES ARE RESPONSIBLE FOR PROTECTING THE INTEGRITY OF ALL NEARBY UTILITIES (PUBLIC OR PRIVATE) EITHER SHOWN ON THE PLANS OR DISCOVERED DURING THE CONTRACTOR INVESTIGATIONS REQUIRED IN ARTICLE 5.16.2.2 OF THE GENERAL CONDITIONS. SUCH METHOD OF PROTECTION SHALL FIRST BE REVIEWED AND APPROVED BY THE AFFECTED UTILITY.
- CONTRACTOR SHALL PROVIDE ACCESS FOR DELIVERY OF MAIL BY THE US POSTAL SERVICE.
- TRAFFIC CONTROL PLANS ARE BASED UPON LIMITS OF REHABILITATION. CONTRACTOR SHALL ADJUST LIMITS WHERE NECESSARY FOR BYPASS PUMPING OPERATIONS (NSPI).
- EXISTING SEWER LINE DEPTHS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL DEPTHS PRIOR TO STARTING CONSTRUCTION.
- EXISTING UTILITIES SHOWN ARE APPROXIMATE AND NOT ALL UTILITIES MAY BE SHOWN. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY POTENTIAL CONFLICTS.
- CONTRACTOR SHALL ACQUIRE ANY REQUIRED STAGING AND STORAGE OR PARKING AREAS AT NO EXPENSE TO SAWS.
- CONTRACTOR SHALL COORDINATE SIDEWALK AND LANE CLOSURES WITH CITY OF SAN ANTONIO.
- CONTRACTOR SHALL NOTIFY SAWS INSPECTION AT 210-233-3500 AT LEAST 48-HOURS BEFORE ANY OF THE FOLLOWING ACTIVITIES TAKE PLACE:
 - BYPASS PUMPING SETUP OPERATIONS
 - PRE-TELEVISION INSPECTION
 - PIPE INSTALLATION



ADDENDUM NO. 1	GB	MP	06/29/17	
No.	Revision	Drawn	Approved	Date

REVISIONS

EAP PHASE II PACKAGE - 2017

GENERAL NOTES AND QUANTITIES

DEVELOPER: _____

CONT. _____ BUDGET PROJ. _____

SUBMITTED _____

APPROVED _____

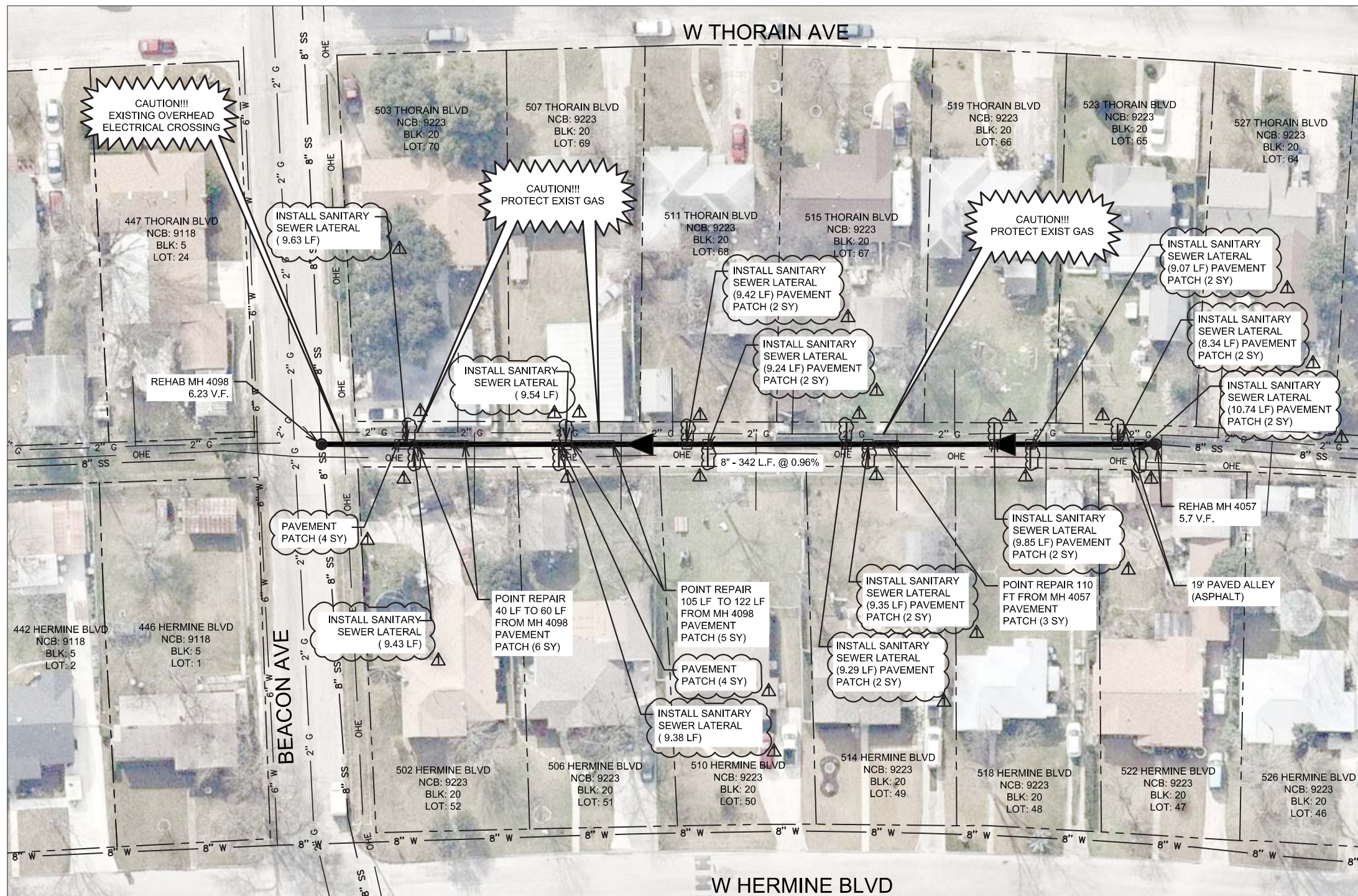
MAP No. _____ SHEET 2 OF 71

SECT. No. _____

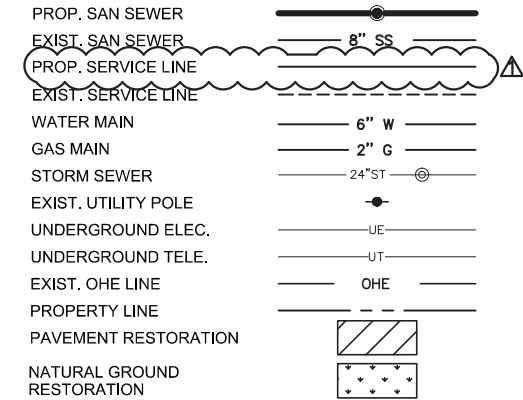
DR. _____ CK. _____ JOB No. 17-4525



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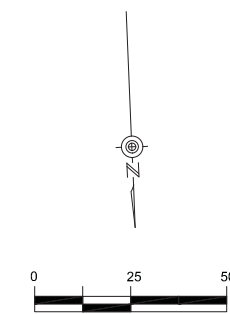


ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203	TACK COAT (COSA SPEC)	GAL	3.8
205	HOT MIX ASPHALTIC PAVEMENT TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	SY	38
206	ASPHALTIC TREATED BASE (10" COMPACTED DEPTH) (COSA SPEC)	SY	38
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING	EA	1
550	TRENCH SAFETY EXCAVATION PROTECTION	LF	46
851	ADJUST EXISTING MANHOLES	EA	2
854	SANITARY SEWER LATERAL 6" DIAMETER (SDR-26 ASTM 3034)	LF	113.28
854	TWO-WAY SANITARY SEWER CLEANOUT	EA	12
864-S1	BYPASS PUMPING - SMALL DIAMETER	EA	1
866	SEWER MAIN PRE-TELEVISION	LF	342
901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER OR STEAM CURED) 8 IN	LF	342
910	MANHOLE REHABILITATION (4' DIAMETER)	VF	11.93
1103	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH)	EA	3
1103	EXTRA LENGTH POINT REPAIR, 8" OR 10" DIAMETER, ALL DEPTHS	LF	28
1109	SERVICE RECONNECTION (W/ OPEN CUT EXCAVATION)	EA	12



- NO ON-THE-GROUND SURVEY WAS PERFORMED. CONTRACTOR TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, AND GRADES BEFORE START OF CONSTRUCTION AND NOTIFY ENGINEER OF ANY INCONSISTENCIES.
- UTILITY LINE INFORMATION SHOWN IS BASED ON UTILITY BLOCK MAPS AND AVAILABLE AS-BUILT DRAWINGS.
- CONTRACTOR SHALL PROTECT ALL EXISTING TREES WITHIN THE PROJECT LIMITS. NO TREE REMOVAL IS PERMITTED.

— CIPP 342 LF OF 8" CP



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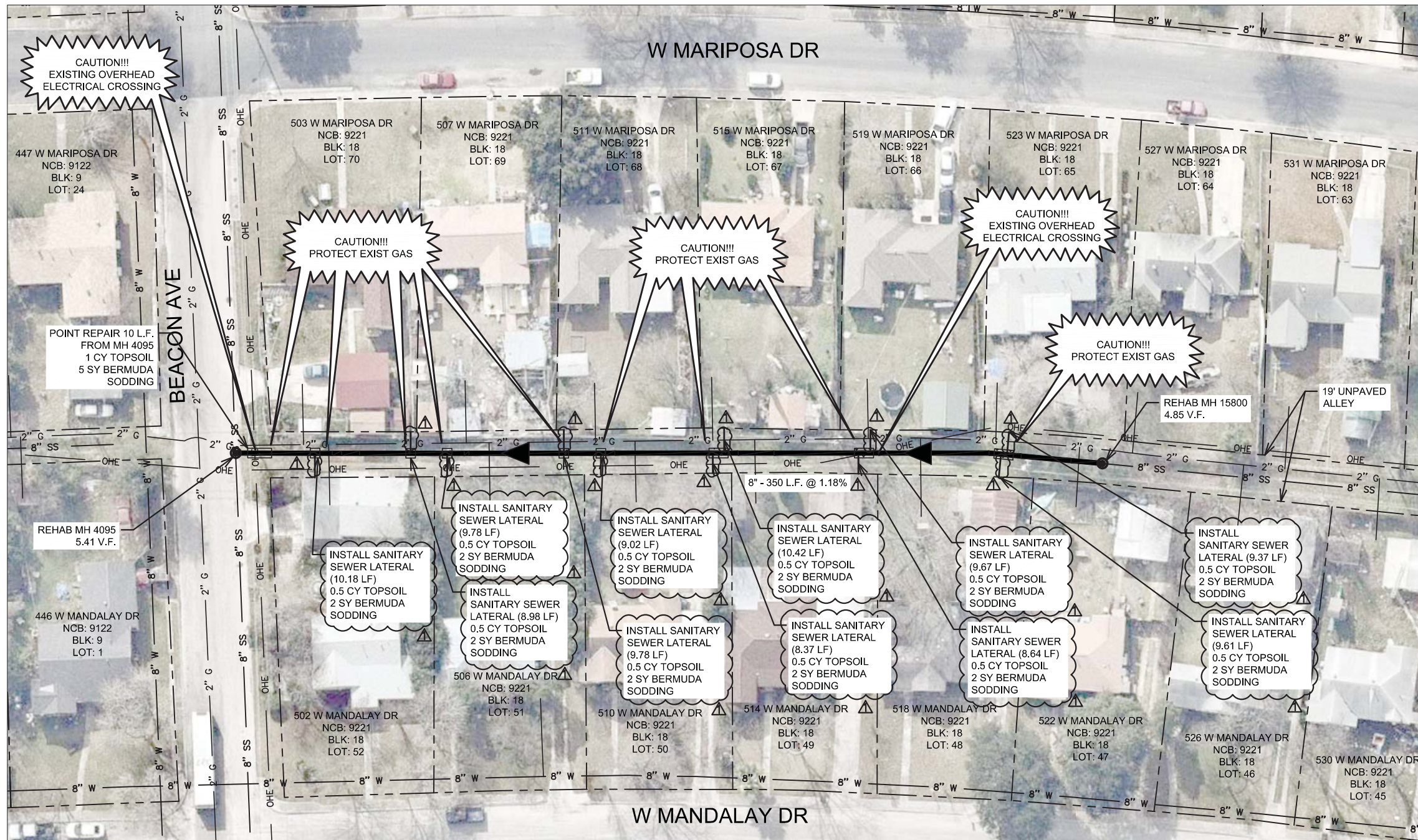
601 NW Loop 410 Suite 350 San Antonio, TX 78216 Tel No. 210-541-9166 Fax No. 210-541-8699

ADDENDUM NO.1			
No.	Drawn	Approved	Date
	GAM	MAV	06/29/17
REVISIONS			
EAP PHASE II PACKAGE - 2017			
CIPP SEWER LINE 976875 THORAIN/W HERMINE			
DEVELOPER:			
CONT. BUDGET PROJ.			
SUBMITTED _____			
APPROVED _____			
MAP No.	JOB No. 17-4525		SHEET 27 OF 71
SECT. No.	DR.	CK.	

LEGEND

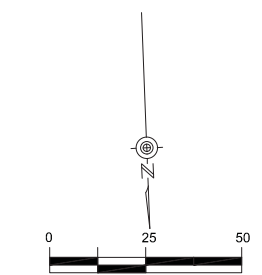
PROP. SAN SEWER	
EXIST. SAN SEWER	
PROP. SERVICE LINE	
EXIST. SERVICE LINE	
WATER MAIN	
GAS MAIN	
STORM SEWER	
EXIST. UTILITY POLE	
UNDERGROUND ELEC.	
UNDERGROUND TELE.	
EXIST. OHE LINE	
PROPERTY LINE	
PAVEMENT RESTORATION	
NATURAL GROUND RESTORATION	

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
515	TOPSOIL (6" DEPTH) (COSA SPEC)	CY	6.5
516	BERMUDA SODDING (COSA SPEC)	SY	27
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING	EA	1
550	TRENCH SAFETY EXCAVATION PROTECTION	LF	9
851	ADJUST EXISTING MANHOLES	EA	2
864-S1	BYPASS PUMPING - SMALL DIAMETER	EA	1
854	SANITARY SEWER LATERAL 6" DIAMETER (SDR-26 ASTM 3034)	LF	103.82
854	TWO-WAY SANITARY SEWER CLEANOUT	EA	11
866	SEWER MAIN PRE-TELEVISION	LF	350
900	RECONSTRUCTION OF SANITARY SEWER BY PIPE BURSTING REPLACEMENT PROCESS 8 IN	LF	350
910	MANHOLE REHABILITATION (4' DIAMETER)	VF	10.26
1103	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH)	EA	1
1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION)	EA	11



1. NO ON-THE-GROUND SURVEY WAS PERFORMED. CONTRACTOR TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, AND GRADES BEFORE START OF CONSTRUCTION AND NOTIFY ENGINEER OF ANY INCONSISTENCIES.
2. UTILITY LINE INFORMATION SHOWN IS BASED ON UTILITY BLOCK MAPS AND AVAILABLE AS-BUILT DRAWINGS.
3. CONTRACTOR SHALL PROTECT ALL EXISTING TREES WITHIN THE PROJECT LIMITS. NO TREE REMOVAL IS PERMITTED.
4. CONTRACTORS USING TRENCHLESS CONSTRUCTION METHODS, SUCH AS PIPE BURSTING, THAT CREATE GROUND DISPLACEMENT AND/OR VIBRATIONS AND THEREFORE POSE POTENTIAL FOR DAMAGE TO NEARBY EXISTING UTILITIES ARE RESPONSIBLE FOR PROTECTING THE INTEGRITY OF ALL NEARBY UTILITIES (PUBLIC OR PRIVATE) EITHER SHOWN ON THE PLANS OR DISCOVERED DURING THE CONTRACTOR INVESTIGATIONS REQUIRED IN ARTICLE 5.16.2.2 OF THE GENERAL CONDITIONS. SUCH METHOD OF PROTECTION SHALL FIRST BE REVIEWED AND APPROVED BY THE AFFECTED UTILITY.

— PIPE BURSTING 350 LF OF 8" CP



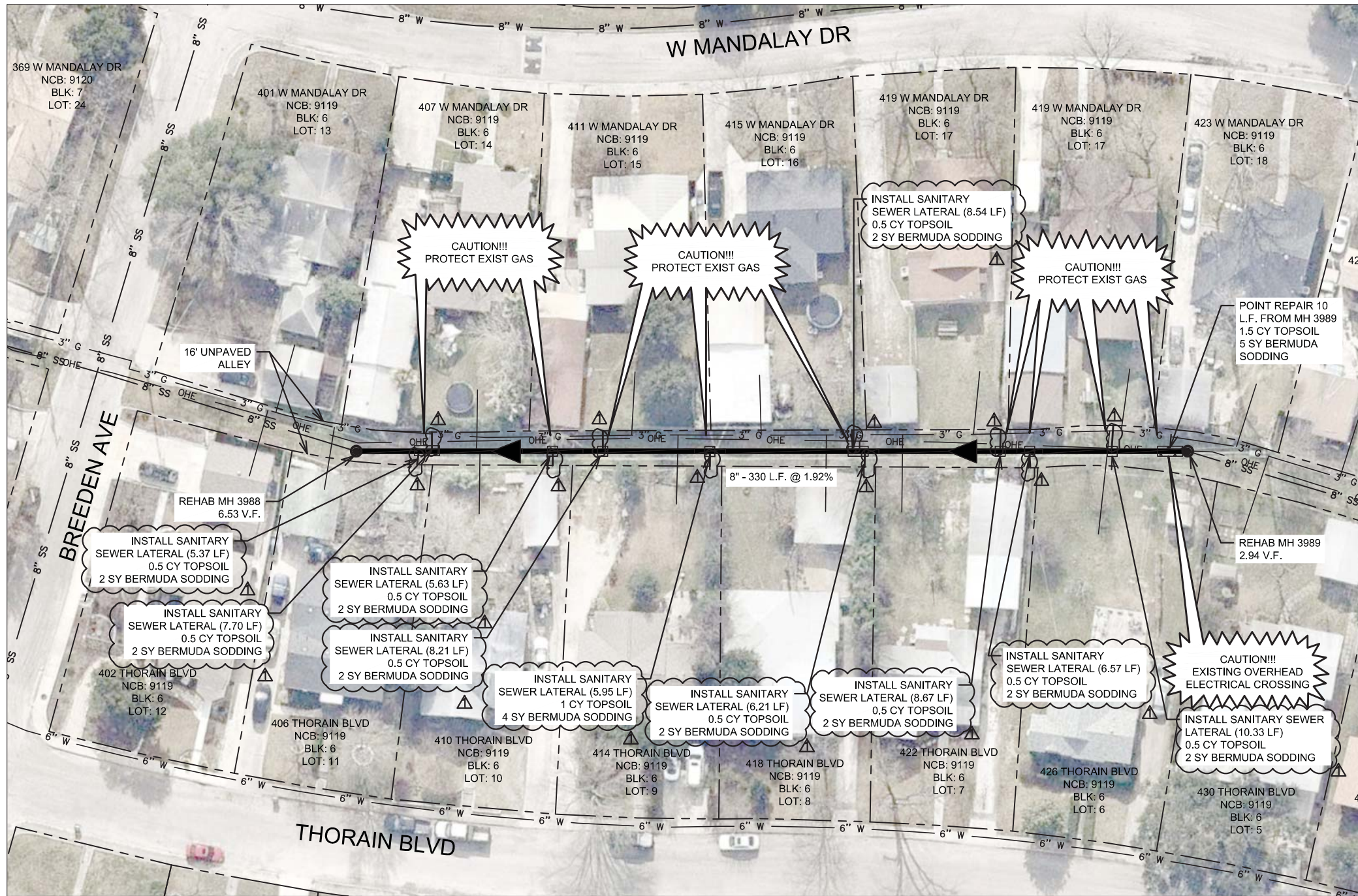
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Texas Registered Firm, No. 928

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ADDENDUM NO.1			
No.	GAM	MAV	06/29/17
Drawn		Approved	
REVISIONS			
EAP PHASE II PACKAGE-2017			
PIPE BURSTING SEWER LINE 2390098 W MARIPOSA/W MANDALAY			
DEVELOPER:			
CONT. BUDGET PROJ.			
SUBMITTED			
APPROVED			
MAP No.	JOB No. 17-4525		SHEET 28
SECT. No.	DR.	CK.	Of 71

LEGEND

PROP. SAN SEWER	
EXIST. SAN SEWER	
PROP. SERVICE LINE	
EXIST. SERVICE LINE	
WATER MAIN	
GAS MAIN	
STORM SEWER	
EXIST. UTILITY POLE	
UNDERGROUND ELEC.	
UNDERGROUND TELE.	
EXIST. OHE LINE	
PROPERTY LINE	
PAVEMENT RESTORATION	
NATURAL GROUND RESTORATION	

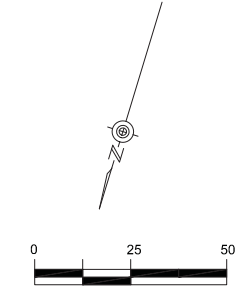


ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
515	TOPSOIL (6" DEPTH) (COSA SPEC)	CY	7
516	BERMUDA SODDING (COSA SPEC)	SY	27
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING	EA	1
550	TRENCH SAFETY EXCAVATION PROTECTION	LF	9
851	ADJUST EXISTING MANHOLES	EA	2
854	SANITARY SEWER LATERAL 6" DIAMETER (SDR-26 ASTM 3034)	LF	73.18
854	TWO-WAY SANITARY SEWER CLEANOUT	EA	10
864-S1	BYPASS PUMPING - SMALL DIAMETER	EA	1
866	SEWER MAIN PRE-TELEVISION	LF	330
900	RECONSTRUCTION OF SANITARY SEWER BY PIPE BURSTING REPLACEMENT PROCESS 8 IN	LF	330
910	MANHOLE REHABILITATION (4" DIAMETER)	VF	9.47
1103	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH)	EA	1
1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION)	EA	10



- NO ON-THE-GROUND SURVEY WAS PERFORMED. CONTRACTOR TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, AND GRADES BEFORE START OF CONSTRUCTION AND NOTIFY ENGINEER OF ANY INCONSISTENCIES.
- UTILITY LINE INFORMATION SHOWN IS BASED ON UTILITY BLOCK MAPS AND AVAILABLE AS-BUILT DRAWINGS.
- CONTRACTOR SHALL PROTECT ALL EXISTING TREES WITHIN THE PROJECT LIMITS. NO TREE REMOVAL IS PERMITTED.
- CONTRACTORS USING TRENCHLESS CONSTRUCTION METHODS, SUCH AS PIPE BURSTING, THAT CREATE GROUND DISPLACEMENT AND/OR VIBRATIONS AND THEREFORE POSE POTENTIAL FOR DAMAGE TO NEARBY EXISTING UTILITIES ARE RESPONSIBLE FOR PROTECTING THE INTEGRITY OF ALL NEARBY UTILITIES (PUBLIC OR PRIVATE) EITHER SHOWN ON THE PLANS OR DISCOVERED DURING THE CONTRACTOR INVESTIGATIONS REQUIRED IN ARTICLE 5.16.2.2 OF THE GENERAL CONDITIONS. SUCH METHOD OF PROTECTION SHALL FIRST BE REVIEWED AND APPROVED BY THE AFFECTED UTILITY.

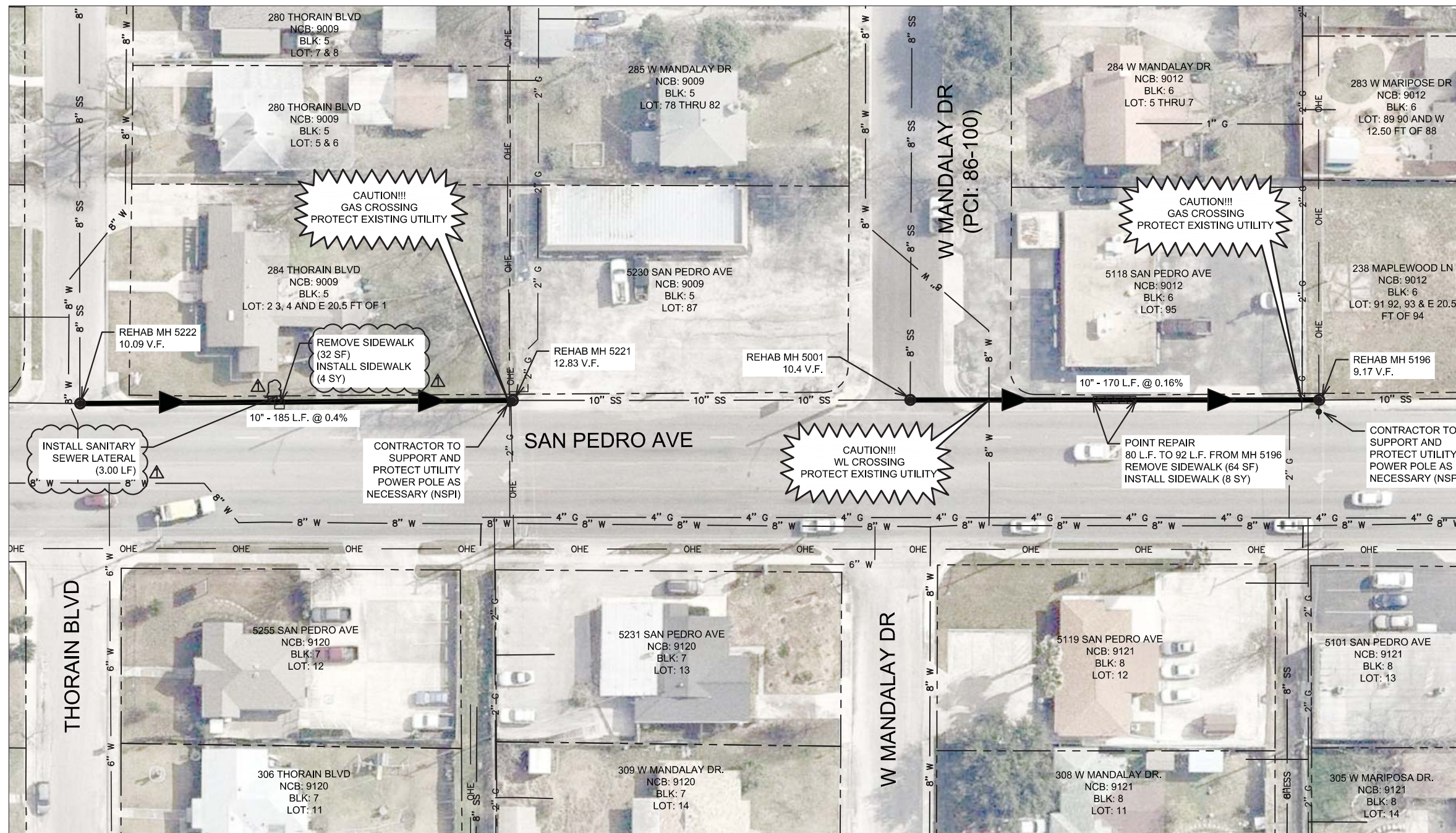
- PIPE BURSTING 330 LF OF 8" CP



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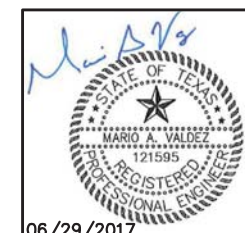
ADDENDUM NO.1			
No.	Drawn	Approved	Date
	GAM	MAV	06/29/17
REVISIONS			
EAP PHASE II PACKAGE-2017			
PIPE BURSTING SEWER LINE 975759 THORAIN/W MANDALAY			
DEVELOPER:			
CONT. BUDGET PROJ.			
SUBMITTED _____			
APPROVED _____			
MAP No.	JOB No. 17-4525		SHEET 29
SECT. No.	DR.	CK.	OF 71



LEGEND

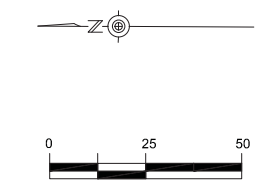
- PROP. SAN SEWER
- EXIST. SAN SEWER
- PROP. SERVICE LINE
- EXIST. SERVICE LINE
- WATER MAIN
- GAS MAIN
- STORM SEWER
- EXIST. UTILITY POLE
- UNDERGROUND ELEC.
- UNDERGROUND TELE.
- EXIST. OHE LINE
- PROPERTY LINE
- PAVEMENT RESTORATION
- NATURAL GROUND RESTORATION

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
103.3	REMOVE SIDEWALKS	SF	96
502	CONCRETE SIDEWALK (COSA SPEC)	SY	12
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING	EA	2
550	TRENCH SAFETY EXCAVATION PROTECTION	LF	12
851	ADJUST EXISTING MANHOLES	EA	4
854	SANITARY SEWER LATERAL 6" DIAMETER (SDR-26 ASTM 3034)	LF	3
854	TWO-WAY SANITARY SEWER CLEANOUT	EA	1
864-S1	BYPASS PUMPING - SMALL DIAMETER	EA	2
866	SEWER MAIN PRE-TELEVISION	LF	355
901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER OR STEAM CURED) 10 IN	LF	355
910	MANHOLE REHABILITATION (4' DIAMETER)	VF	42.49
1103	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH)	EA	1
1103	EXTRA LENGTH POINT REPAIR, 8" OR 10" DIAMETER, ALL DEPTHS	LF	3
1109	SERVICE RECONNECTION (W/ OPEN CUT EXCAVATION)	EA	1



- NO ON-THE-GROUND SURVEY WAS PERFORMED. CONTRACTOR TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, AND GRADES BEFORE START OF CONSTRUCTION AND NOTIFY ENGINEER OF ANY INCONSISTENCIES.
- UTILITY LINE INFORMATION SHOWN IS BASED ON UTILITY BLOCK MAPS AND AVAILABLE AS-BUILT DRAWINGS.
- CONTRACTOR SHALL PROTECT ALL EXISTING TREES WITHIN THE PROJECT LIMITS. NO TREE REMOVAL IS PERMITTED.

- CIPP 185 LF OF 10" CP (MH 5222 TO MH 5221)
 - CIPP 170 LF OF 10" CP (MH 5001 TO MH 5196)



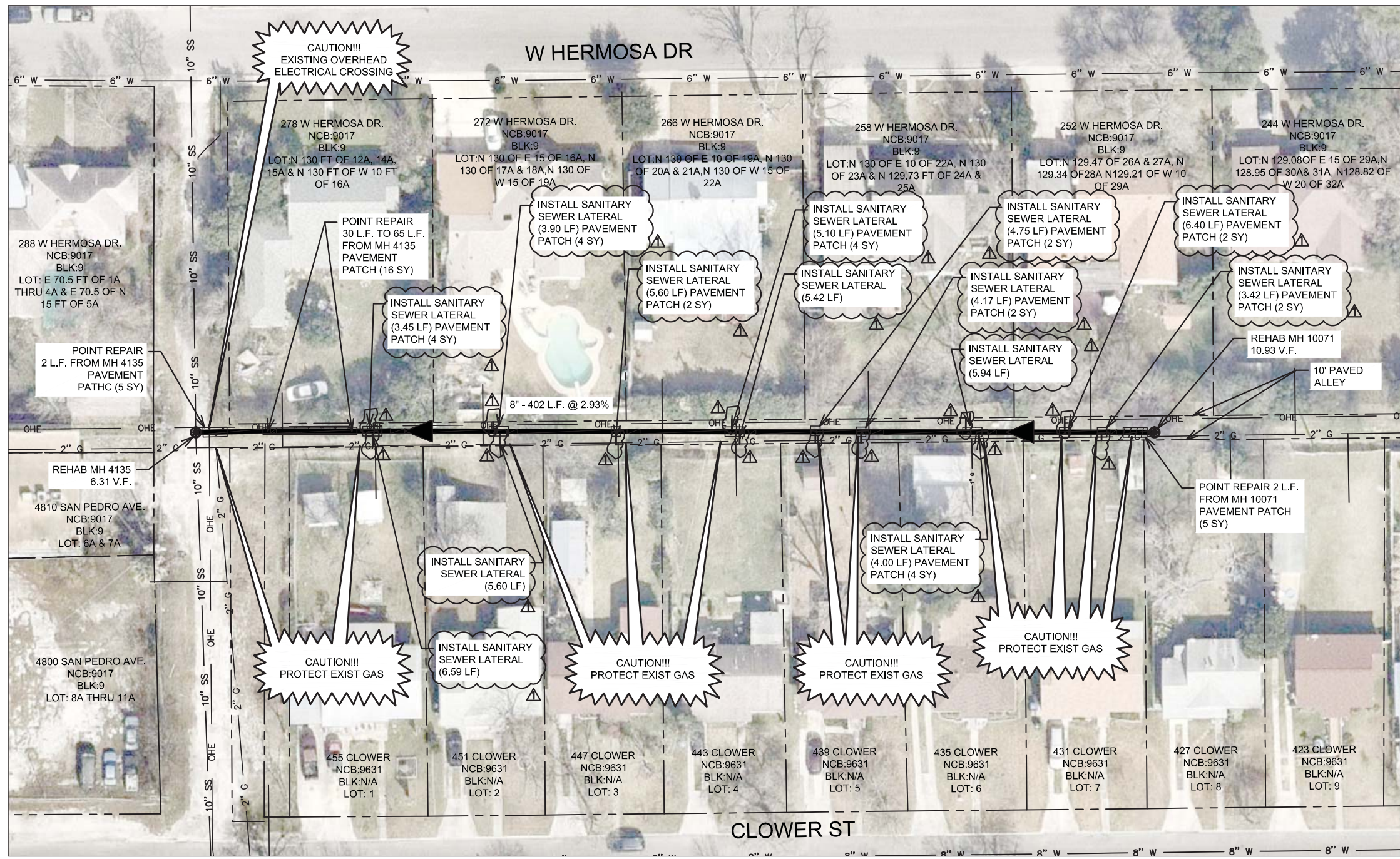
Kimley»Horn
Texas Registered Firm, No. 928

601 NW Loop 410 Suite 350 San Antonio, TX 78216 Tel No. 210-541-9166 Fax No. 210-541-8699

ADDENDUM NO.1			
No.	Drawn	Approved	Date
	GAM	MAV	06/29/17
REVISIONS			
EAP PHASE II PACKAGE- 2017 CIPP SEWER LINES 975388 & 967770 SAN PEDRO AVE			
DEVELOPER:			
CONT. BUDGET PROJ.			
SUBMITTED _____			
APPROVED _____			
MAP No.	JOB No. 17-4525		SHEET 30 OF 71
SECT. No.	DR.	CK.	

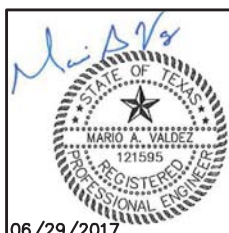
LEGEND

PROP. SAN SEWER	
EXIST. SAN SEWER	
PROP. SERVICE LINE	
EXIST. SERVICE LINE	
WATER MAIN	
GAS MAIN	
STORM SEWER	
EXIST. UTILITY POLE	
UNDERGROUND ELEC.	
UNDERGROUND TELE.	
EXIST. OHE LINE	
PROPERTY LINE	
PAVEMENT RESTORATION	
NATURAL GROUND RESTORATION	



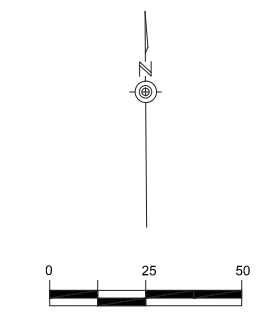
ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203	TACK COAT (COSA SPEC)	GAL	5.2
205	HOT MIX ASPHALTIC PAVEMENT TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	SY	52
206	ASPHALTIC TREATED BASE (10" COMPACTED DEPTH) (COSA SPEC)	SY	52
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING	EA	1
550	TRENCH SAFETY EXCAVATION PROTECTION	LF	53
851	ADJUST EXISTING MANHOLES	EA	1
854	SANITARY SEWER LATERAL 6" DIAMETER (SDR-26 ASTM 3034)	LF	64.84
854	TWO-WAY SANITARY SEWER CLEANOUT	EA	13
864-S1	BYPASS PUMPING - SMALL DIAMETER	EA	1
866	SEWER MAIN PRE-TELEVISION	LF	402
900	RECONSTRUCTION OF SANITARY SEWER BY PIPE BURSTING REPLACEMENT PROCESS 8 IN	LF	402
910	MANHOLE REHABILITATION (4' DIAMETER)	VF	17.24
1103	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH)	EA	3
1103	EXTRA LENGTH POINT REPAIR, 8" OR 10" DIAMETER, ALL DEPTHS	LF	26
1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION)	EA	13



- NO ON-THE-GROUND SURVEY WAS PERFORMED. CONTRACTOR TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, AND GRADES BEFORE START OF CONSTRUCTION AND NOTIFY ENGINEER OF ANY INCONSISTENCIES.
- UTILITY LINE INFORMATION SHOWN IS BASED ON UTILITY BLOCK MAPS AND AVAILABLE AS-BUILT DRAWINGS.
- CONTRACTOR SHALL PROTECT ALL EXISTING TREES WITHIN THE PROJECT LIMITS. NO TREE REMOVAL IS PERMITTED.
- CONTRACTORS USING TRENCHLESS CONSTRUCTION METHODS, SUCH AS PIPE BURSTING, THAT CREATE GROUND DISPLACEMENT AND/OR VIBRATIONS AND THEREFORE POSE POTENTIAL FOR DAMAGE TO NEARBY EXISTING UTILITIES ARE RESPONSIBLE FOR PROTECTING THE INTEGRITY OF ALL NEARBY UTILITIES (PUBLIC OR PRIVATE) EITHER SHOWN ON THE PLANS OR DISCOVERED DURING THE CONTRACTOR INVESTIGATIONS REQUIRED IN ARTICLE 5.16.2.2 OF THE GENERAL CONDITIONS. SUCH METHOD OF PROTECTION SHALL FIRST BE REVIEWED AND APPROVED BY THE AFFECTED UTILITY.

- PIPE BURSTING 402 LF OF 8" VCP



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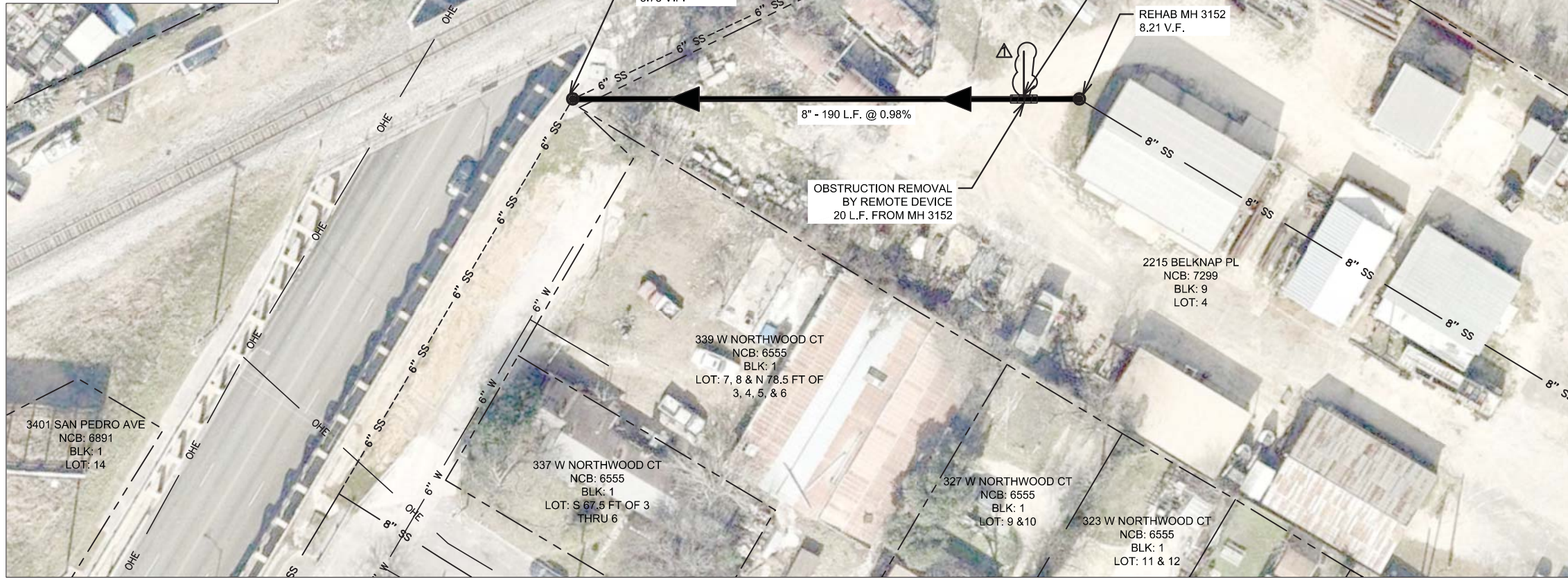
601 NW Loop 410 Suite 350 San Antonio, TX 78216 Tel No. 210-541-9166 Fax No. 210-541-8699

ADDENDUM NO.1	GAM	MAV	06/29/17
No.	Drawn	Approved	Date

REVISIONS

EAP PHASE II PACKAGE-2017
PIPE BURSTING
SEWER LINE 965960
W HERMOSA/CLOWER

DEVELOPER:	
CONT.	BUDGET PROJ.
SUBMITTED	
APPROVED	
MAP No.	
SECT. No.	
DR.	CK.
JOB No. 17-4525	SHEET 33 Of 71



LEGEND

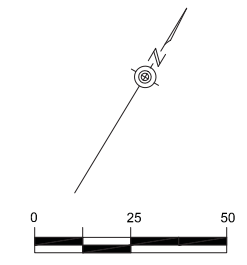
- PROP. SAN SEWER
- EXIST. SAN SEWER
- PROP. SERVICE LINE
- EXIST. SERVICE LINE
- WATER MAIN
- GAS MAIN
- STORM SEWER
- EXIST. UTILITY POLE
- UNDERGROUND ELEC.
- UNDERGROUND TELE.
- EXIST. OHE LINE
- PROPERTY LINE
- PAVEMENT RESTORATION
- NATURAL GROUND RESTORATION

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING	EA	1
851	ADJUST EXISTING MANHOLES	EA	1
854	SANITARY SEWER LATERAL 6" DIAMETER (SDR-26 ASTM 3034)	LF	20
854	TWO-WAY SANITARY SEWER CLEANOUT	EA	1
864-S1	BYPASS PUMPING - SMALL DIAMETER	EA	1
866	SEWER MAIN PRE-TELEVISION	LF	190
901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER OR STEAM CURED) 8 IN	LF	190
910	MANHOLE REHABILITATION (4" DIAMETER)	VF	11.94
1103	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 8" OR 10" DIAMETER, ALL DEPTHS	EA	1
1109	SERVICE RECONNECTION, ALL DEPTHS (W/ OPEN CUT EXCAVATION)	EA	1



- NO ON-THE-GROUND SURVEY WAS PERFORMED. CONTRACTOR TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, AND GRADES BEFORE START OF CONSTRUCTION AND NOTIFY ENGINEER OF ANY INCONSISTENCIES.
- UTILITY LINE INFORMATION SHOWN IS BASED ON UTILITY BLOCK MAPS AND AVAILABLE AS-BUILT DRAWINGS.
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- CIPP 190 LF OF 8" CP



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ADDENDUM NO.1	GAM	MAV	06/29/17
No.	Drawn	Approved	Date

REVISIONS

EAP PHASE II PACKAGE-2017
CIPP SEWER LINE 967668
SAN PEDRO AVE

DEVELOPER: _____
 CONT. BUDGET PROJ.
 SUBMITTED _____
 APPROVED _____
 MAP No. _____ SHEET 34 OF 71
 SECT. No. _____
 DR. _____ CK. _____ JOB No. 17-4525