



Vance Jackson IH-10 to Loop 410  
SAWS Water Job No. 18-4002  
and  
SAWS Sewer Job No. 18-4523

SAWS Solicitation No. CO-00193

ADDENDUM No.2

June 25, 2018

To Bidder of Record:

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

RESPONSES TO QUESTIONS
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1. We are given in the plans traffic control standards for daily lane closures, which will work for the water and wastewater line work, but don't really work for full depth pavement reconstruction. Besides the fact the work will be incredibly drawn out/slow, asphalt base isn't always being made and they won't produce it for the small amount you could place in a daily closure situation. Can you say what is the intended traffic control situation for these areas?

*The Contractor shall submit a Traffic Control Plan and Sequence of Work Plan that meets the requirements of the ROW permit and the requirements of the most current CoSA UECM Manual.*

2. TCP- This project has been broken down into phases 1A-8. There is also a detailed TCP suggested in the plans. Is it the intention of SAWS described phasing to complete all work on each phase prior to mobilizing to the subsequent phase?

*The Contractor shall submit a Traffic Control Plan and Sequence of Work Plan that meets the requirements of the ROW permit, requirements of the most current CoSA UECM Manual, and the project timeline.*

3. Can the contractor mobilize multiple crews to work on multiple phases at a time?

*The Contractor shall submit a Traffic Control Plan and Sequence of Work Plan that meets the requirements of the ROW permit and the requirements of the most current CoSA UECM Manual.*

4. While each phase is under construction, will SAWS allow the same TCP barricade sequence used during construction to remain in place during non-working hours until all work has been completed, as long as all businesses and residents maintain undisturbed access?

*The Contractor shall submit a Traffic Control Plan and Sequence of Work Plan that meets the requirements of the ROW permit and the requirements of the most current CoSA UECM Manual.*

5. In accordance to the TCP in the plans, when would message boards be required? What is the criteria that dictates the use of message boards and the length of time used?

*Use of message boards, with associated length and time of use, will be dictated by CoSA and TxDOT permits.*

6. Is there a Geo Tech report available?

*There is no Geo Tech report available for this project.*

7. Anticipated COSA ROW Permits for this project will be more than \$60,000, will SAWS consider establishing a line item for these permits in effort to create a more balanced bid?

*Permit costs should be included with the applicable bid item.*

8. Will SAWS consider adding a line item allowance to brace affected CPS poles as needed?

*Pole bracing is considered subsidiary to the work and the cost should be included in the associated bid item.*

9. Will SAWS consider separating bid items for trench restoration verse mill and overlay? Line item 511- has historically been utilized for trench restoration, ie identified pay limits to cover as shown in the details over the installed mains; whereas line item 205.4 is intended for a broader overlay application. Historically the value of these two-line items differ greatly as does the production and expense to install them. In this project, SAWS has separated them on the plans, however lumped both together under 205.4 in the bid documents; will SAWS consider separating these two-line items in an effort of creating a more balanced bid?

*Item 511.3 is intended to be utilized for utility trench pavement repair within the pay limits up to maximum trench width specified. There are locations within the project where additional pavement repair outside the limits of the trench is required. Bid items will not be revised.*

10. Concerning constructability; this project will require numerous vertical offsets of 10-14' under existing utilities, many in high traffic areas within the radius of intersections, etc. Due to Vance Jackson being a main artery for commercial traffic, considering the speculated high PI of the existing soils; will SAWS consider adding additional quantity to allow flowable backfill as secondary backfill within established identified areas? Due to the numerous utility crossings in these areas, I am doubtful conventional compaction methods will be a viable option without damaging these utilities. By increasing the flowable fill quantity and the engineer dictating where it is needed the contractor will not have to inflate other bid items to cover the unknown amount of flowable fill used and SAWS will receive a bid that reflects true cost per bid item.

*Bid item quantity will not be revised.*

11. When will night work be mandated?

*Currently no night work is mandated. However, this is subject to change pending CoSA and TxDOT permits.*

12. Will SAWS require the Type D trench restoration in place prior to removing barricades and opening the work zone up to traffic?

*SAWS will require compaction of the trench and backfill. Pavement requirements prior to opening the work zone up to traffic may vary within the project. The Contractor shall submit a Sequence of Work Plan that meets the requirements of the ROW permit and the requirements of the most current CoSA UECM Manual.*

13. Will full street closures be allowed for the milling and overlay segments that are full width?

*The Contractor shall submit a Traffic Control Plan and Sequence of Work Plan that meets the requirements of the ROW permit and the requirements of the most current CoSA UECM Manual. It is anticipated that a minimum of two (2) lanes remain available for 2-way traffic.*

14. Since the water main is being ditch patched as laid, can the milling and overlay shown on plan pages 37-48 be done at the very end of the project as a Phase 9? Same question for all pavement markings?

*The Contractor shall submit a Traffic Control Plan and Sequence of Work Plan that meets the requirements of the ROW permit and the requirements of the most current CoSA UECM Manual.*

15. Concerning the 3 each sewer point repair bid items. Will these apply only if there is a point repair needed that falls within the limits of construction? In other words, if SAWS has a point repair 2 blocks away from the new construction, will the water contractor be expected to shut down their construction to maintain an untouched existing sewer line outside the scope of our work?

*The sewer point repair bid item is intended to be used as point repair within the limits of construction.*

16. Will SAWS extend the number of calendar days from 380 to 430 calendar days? With the many existing utilities crossings and vertical offsets, replacing the main in place, confined working space, depth of the new line, restricted phasing limits; it is our opinion 380 calendar days is not a realistic time frame to complete this work.

*No. Please refer to bid proposal for project time duration.*

17. The bid item for flowable fill as it is shown on the plans, is this quantity for pipe encasement, secondary backfill or for both?

*The bid item for flowable fill, as it is shown on the plans, is the quantity for pipe encasement.*

18. If for any reason SAWS has not answered all question by 4:00pm, June 22nd, will the bid date be extended allowing contractors a full week to prepare their bids after all information is received?

*SAWS will have Addenda 2 posted by 4:00pm, June 25th. Bid opening date will remain the same.*

19. On plan sheets 38,39,42,44 & 46 the plans show a distance from existing curb to edge of proposed trench. Will SAWS provide this same information for sheets 37,40,41 & 45 so we can determine if the existing curb can be salvaged or if an excavator track will be crushing it because of the close alignment?

*Sheet 37, 40, 41, & 45 have been revised to provide the dimension between the existing curb and edge of proposed trench. Sheets are included with Addendum 2.*

20. Statement of Bidder's Experience Project A-3 calls for 4000 to 7000 CY of hot mix asphalt pavement. Should this be SY (square yard) instead of CY (cubic yard). Most COSA and County jobs are bid by the SY as this project (Vance Jackson Road) is also being bid by the SY.

*The Statement of Bidders Experience Project A-3 has been revised to require 4,000 to 7,000 SY of Hot Mix Asphalt Pavement. The revised Statement of Bidders Experience Project A-3 page is included with Addendum 2.*

21. Please identify the plan pages where bid item 11 "Reinforced concrete pavement (6" thick)" is shown on.

*Reinforced Concrete Pavement (6" thick) is shown within the plan views as Reinforced Concrete Alley. Per the plan set the bid item is called for on sheets 38, 39, 40, 41, 42.*

22. Plan sheets 29 thru 34 show the profile and depth of the proposed water main plus the existing known utilities. There are many other street crossings that do not show a profile sheet. Will SAWS furnish this information?

*Bid Item 818 Pipe Water Main has been listed by size and depth to assist with bidding. No other profiles for the water main will be provided.*

23. The anticipated phasing limits give specific stations and barricading sequence for each phase. Example: Phase III limits are from station 18+50 thru 32+00 with the 2 traffic lanes on the East side of Vance Jackson closed. As long as the work is confined within these limits (excluding driveway access) will the closures stay in place daytime, nighttime and weekends?

*It is anticipated that closures will be allowed to stay in place during construction however, this is subject to the requirements of the CoSA ROW permit.*

24. Will the contractor be allowed to fence off construction area and leave equipment, materials, spoils, etc. overnight?

*Fencing and storage within the construction area will be specified by the CoSA ROW permit.*

25. There are no available yard areas on Vance Jackson. Will the city allow the contractor to use nearby city owned property for a yard?

*SAWS has no agreements with CoSA to use City property for this project. It is the Contractors responsibility to secure construction yard area and any required agreements.*

26. Will flowable fill be required as backfill material for trenches?

*No, the flowable fill quantity is for pipe encasement when crossing existing utilities.*

27. Can you please clarify how the lines under 12" are be abandoned? Will it be flowable fill, cut and plug, etc?

*The abandonment of water mains 12" and larger shall be completed per Special Specification Item No.3200 found in the Project Manual.*

CHANGES TO THE PLANS

1. Sheet 37 added additional labels between proposed trench limits and the existing curb.
2. Sheet 40 added additional labels between proposed trench limits and the existing curb.
3. Sheet 41 added additional labels between proposed trench limits and the existing curb.
4. Sheet 45 added additional labels between proposed trench limits and the existing curb.

CHANGES TO THE SPECIFICATIONS

1. Revise Statement of Bidders Experience Project A-3 as follows:
  - o *Project A-3 demonstrates construction experience with Mill and Overlay projects consisting of 4,000 to 7,000 SY of hot mix asphalt pavement.*

END OF ADDENDUM No.2

This Addendum, is eleven (11) pages in its entirety.

Attachments: Statement of Bidders Experience A-3 (1 page), Revised Plan Sheets 37, 40, 41, 45



Nathan Ewert, P.E.

Trihydro Corporation

**If all fields are not completed, the bid may be rejected due to non-responsiveness.**

**It is not acceptable to indicate "See attached".**

**Project A-3 is to have been completed by the Bidder or their Subcontractor.**

- Project A-3 demonstrates construction experience with Mill and Overlay projects consisting of 4,000 to 7,000 SY of hot mix asphalt pavement.
- Project A-3 was completed between 2013 and 2018.

*Project A-3 Description*

Name of Project: \_\_\_\_\_ Location: \_\_\_\_\_

Scope of Work: \_\_\_\_\_

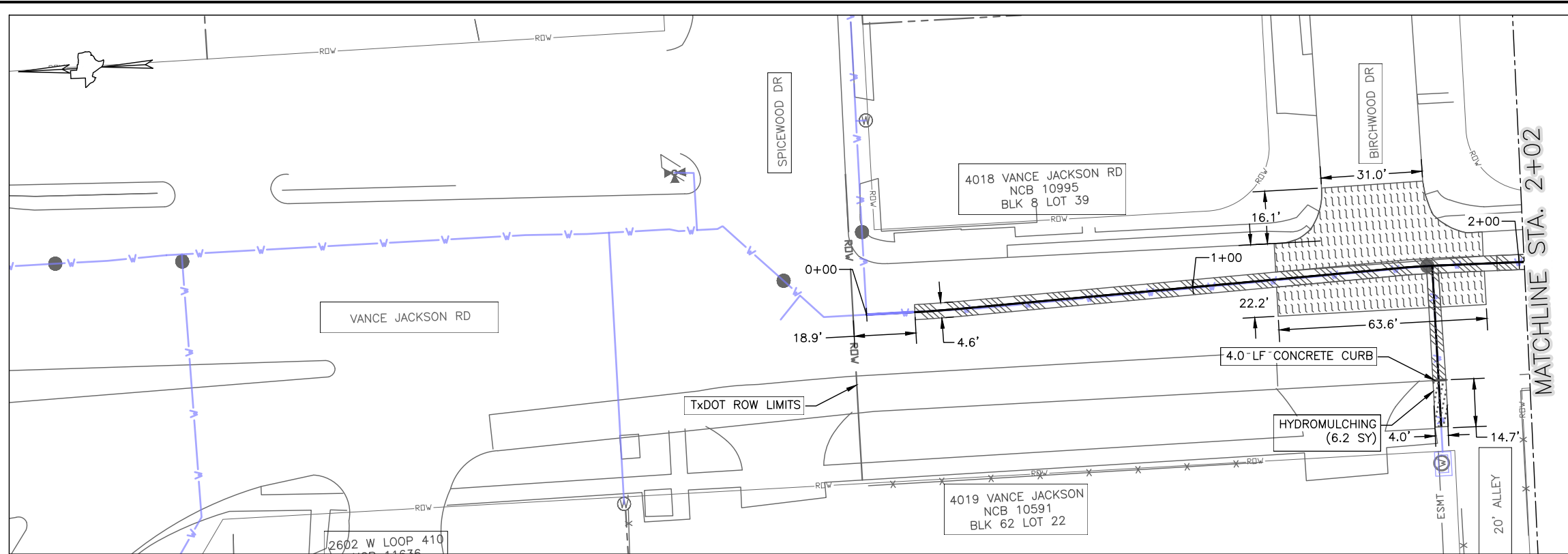
Pipe Sizes: \_\_\_\_\_ Pipe Lengths: \_\_\_\_\_

Owner Name: \_\_\_\_\_ Owner Title: \_\_\_\_\_

Owner Phone Number: \_\_\_\_\_ Construction Cost: \_\_\_\_\_

Project Start Date: \_\_\_\_\_ Project End Date: \_\_\_\_\_

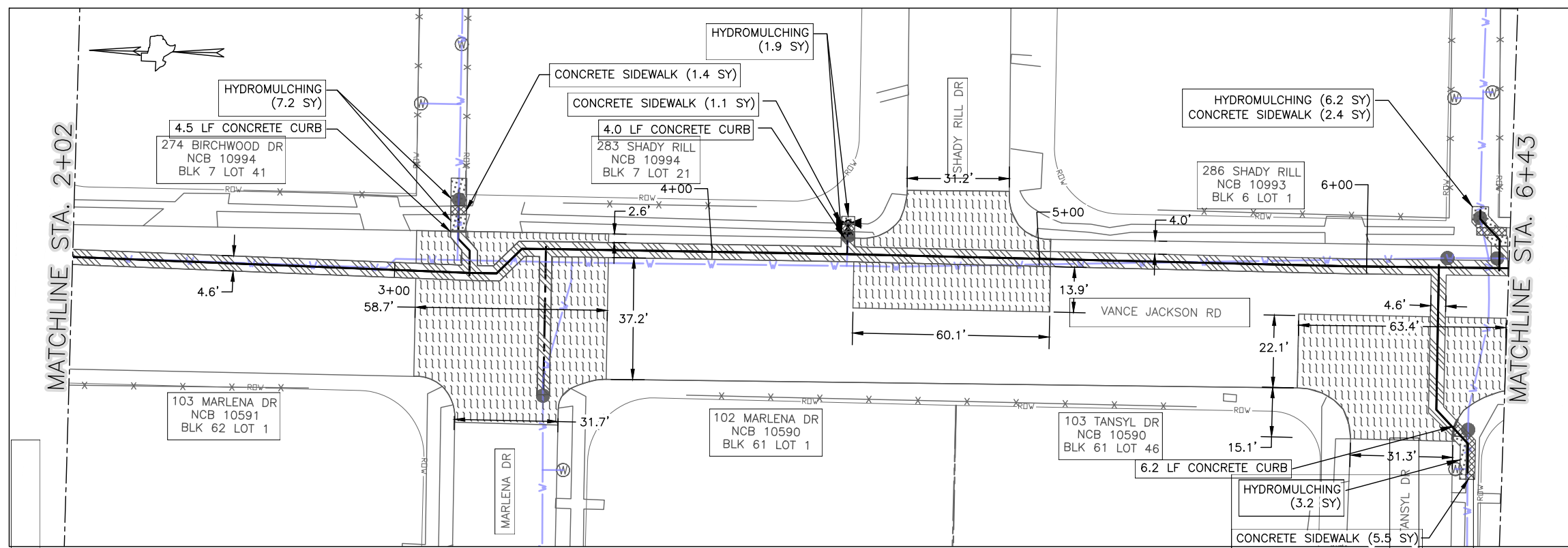
Additional Information: \_\_\_\_\_



**1 SURFACE REHAB STA. 0+00 TO 2+02**  
SCALE: 1" = 40'



ESTIMATED QUANTITIES				
ITEM	DESCRIPTION	UNIT	EST.	FINAL
COSA 103.1	REMOVE CONCRETE CURB	LF	18.8	
COSA 103.2	REMOVE SIDEWALKS AND DRIVEWAYS	SF	93.6	
COSA 202.1	PRIME COAT	GAL	77.3	
COSA 203.1	TACK COAT	GAL	124.3	
COSA 205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (3" COMP. DEPTH)	SY	1242.5	
COSA 206.1	ASPHALT TREATED BASE (12" COMP DEPTH)	SY	386.2	
COSA 208.0	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH)	SY	856.3	
COSA 500.1	CONCRETE CURB	LF	18.8	
COSA 502	CONCRETE SIDEWALKS	SY	10.4	
COSA 520	HYDROMULCHING	SY	24.7	



**2 SURFACE REHAB STA. 2+02 TO 6+43**  
SCALE: 1" = 40'

- NOTES:**
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  - THE STATIONING SHOWN ON THIS SHEET REFERENCES THE VANCE JACKSON WATER MAIN.

EXPLANATION	
<b>RESTORATION</b>	
CURB	[Symbol]
CONCRETE SIDEWALK	[Symbol]
HYDROMULCH RESTORATION	[Symbol]
MILL AND HMAC OVERLAY	[Symbol]
PCC DRIVEWAY	[Symbol]
REINFORCED CONCRETE ALLEY	[Symbol]
REINFORCED CONCRETE BUSPAD	[Symbol]
TRENCH REPAIR AND HMAC PATCH	[Symbol]
<b>PROPOSED</b>	
WATER MAIN	[Symbol]
<b>EXISTING</b>	
PARCEL BOUNDARY	[Symbol]
WATER MAIN	[Symbol]

**Trihydro CORPORATION**  
Texas Engineering Firm F-131  
Texas Survey Firm 10194320  
1011 West County Line Road  
New Braunfels, Texas 78130  
(P) 210/298.5030 (F) 830/626.3544  
www.trihydro.com

TRIHIDRO PROJECT NO. 702-557-F00

No.	Revision	Drawn	Approved	Date
E	ADDENDUM #2	MS	NE	06/22/2018
D	ISSUE FOR 100% SUBMITTAL	MS	NE	06/05/2018
C	ISSUE FOR 95% SUBMITTAL	MS	NE	04/12/2018
B	ISSUE FOR 70% RESUBMITTAL	MS	NE	01/29/2018

REVISIONS	
DEVELOPER:	SAN ANTONIO WATER SYSTEM
CONT.:	BUDGET PROJ.
SUBMITTED:	
APPROVED:	
MAP No.	
SECT. No.	
DR. MS	CK. NE

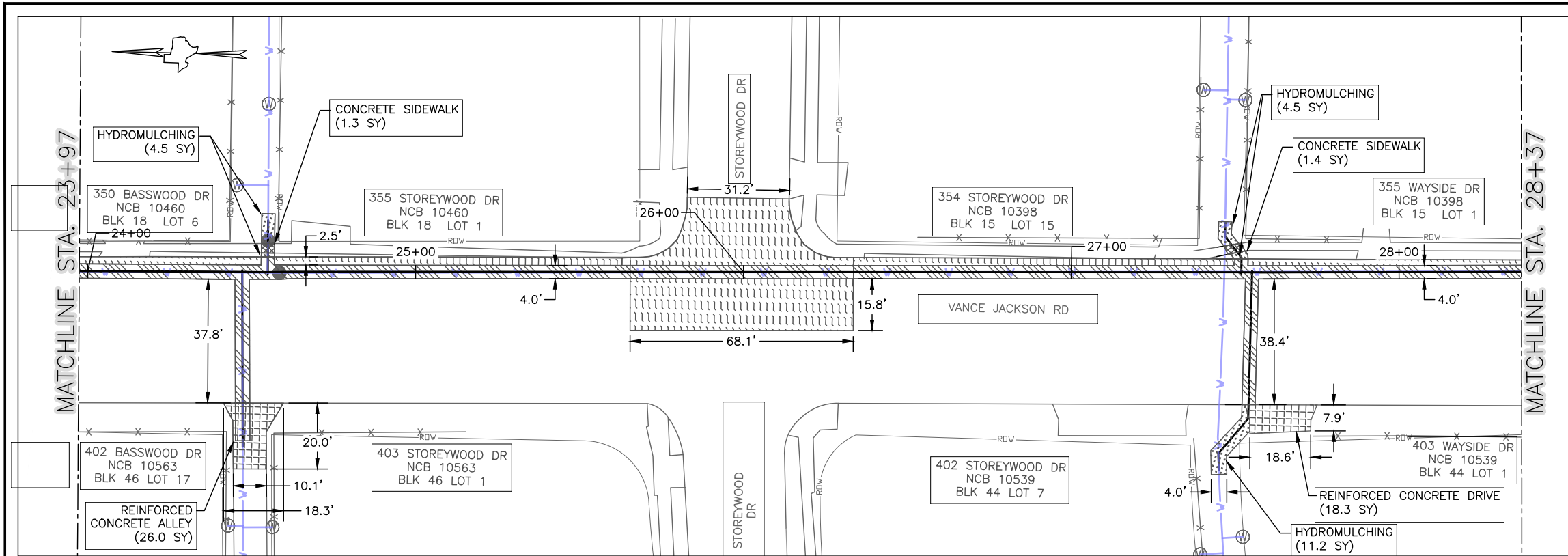
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F:\PROJECTS\7025 (SAWS)\702-557-F00 18-4002 VANCE JACKSON-IH 10 TO LOOP 410\CADD\PLANS\702-VL-SURFACE REHAB - 1

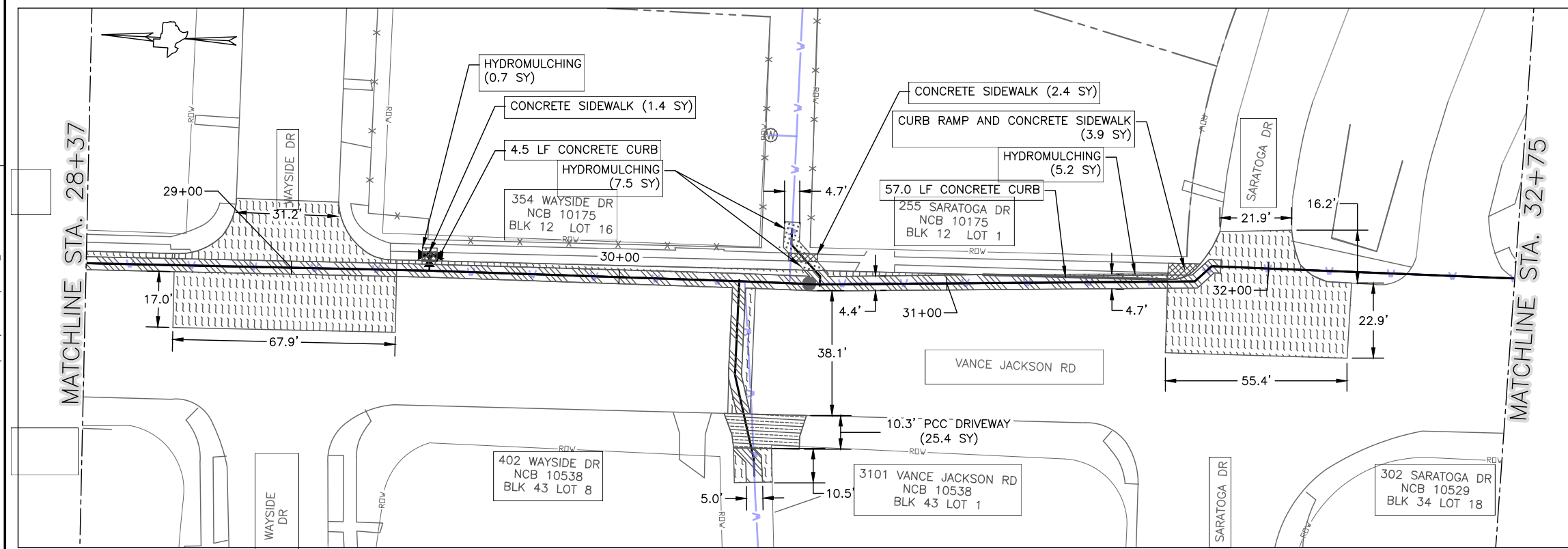




**1 SURFACE REHAB STA. 23+97 TO 28+37**  
SCALE: 1" = 40'



ESTIMATED QUANTITIES				
ITEM	DESCRIPTION	UNIT	EST.	FINAL
COSA 103.1	REMOVE CONCRETE CURB	LF	61.5	
COSA 103.2	REMOVE SIDEWALKS AND DRIVEWAYS	SF	322.2	
COSA 202.1	PRIME COAT	GAL	83.8	
COSA 203.1	TACK COAT	GAL	116.5	
COSA 205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (3" COMP. DEPTH)	SY	1164.4	
COSA 206.1	ASPHALT TREATED BASE (12" COMP DEPTH)	SY	418.7	
COSA 208.0	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH)	SY	745.7	
COSA 209.1	REINFORCED CONCRETE PAVEMENT (6" THICK)	SY	44.3	
COSA 500.1	CONCRETE CURB	LF	61.5	
COSA 502	CONCRETE SIDEWALKS	SY	10.4	
COSA 503	PORTLAND CEMENT CONCRETE DRIVEWAY	SY	25.4	
COSA 520	HYDROMULCHING	SY	33.6	



**2 SURFACE REHAB STA. 28+37 TO 32+75**  
SCALE: 1" = 40'

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EXPLANATION	
<b>RESTORATION</b>	
CURB	[Symbol]
CONCRETE SIDEWALK	[Symbol]
HYDROMULCH RESTORATION	[Symbol]
MILL AND HMAC OVERLAY	[Symbol]
PCC DRIVEWAY	[Symbol]
REINFORCED CONCRETE ALLEY	[Symbol]
REINFORCED CONCRETE BUSPAD	[Symbol]
TRENCH REPAIR AND HMAC PATCH	[Symbol]
<b>PROPOSED</b>	
WATER MAIN	[Symbol]
<b>EXISTING</b>	
PARCEL BOUNDARY	[Symbol]
WATER MAIN	[Symbol]

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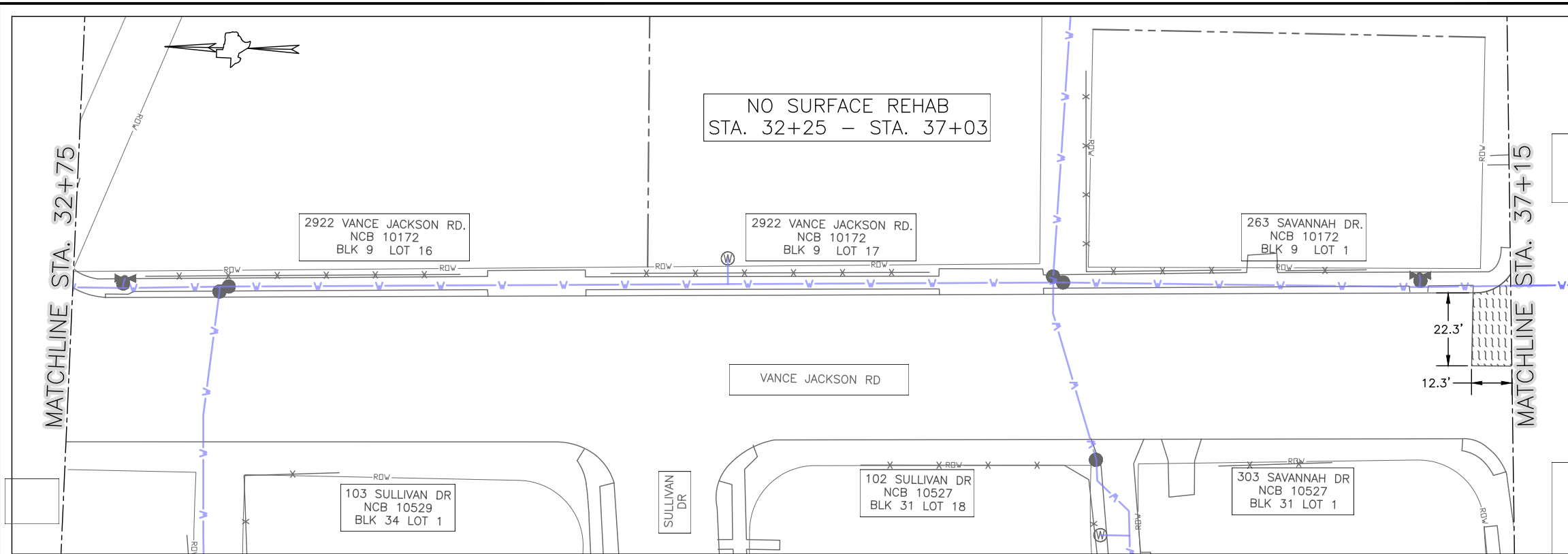
TRIHYDRO PROJECT NO. 702-557-F00				
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B	ISSUE FOR 70% RESUBMITTAL	MS	NE	01/29/2018
No.	Revision	Drawn	Approved	Date
<b>REVISIONS</b>				
<p>VANCE JACKSON IH 10 TO LOOP 410 SURFACE REHAB STA. 23+97 TO 32+75</p>				
DEVELOPER: SAN ANTONIO WATER SYSTEM		CONT. BUDGET PROJ.		
SUBMITTED: _____				
APPROVED: _____				
MAP No. _____		SECT. No. _____		SHEET 40
DR. MS _____		CK. NE _____		OF 74

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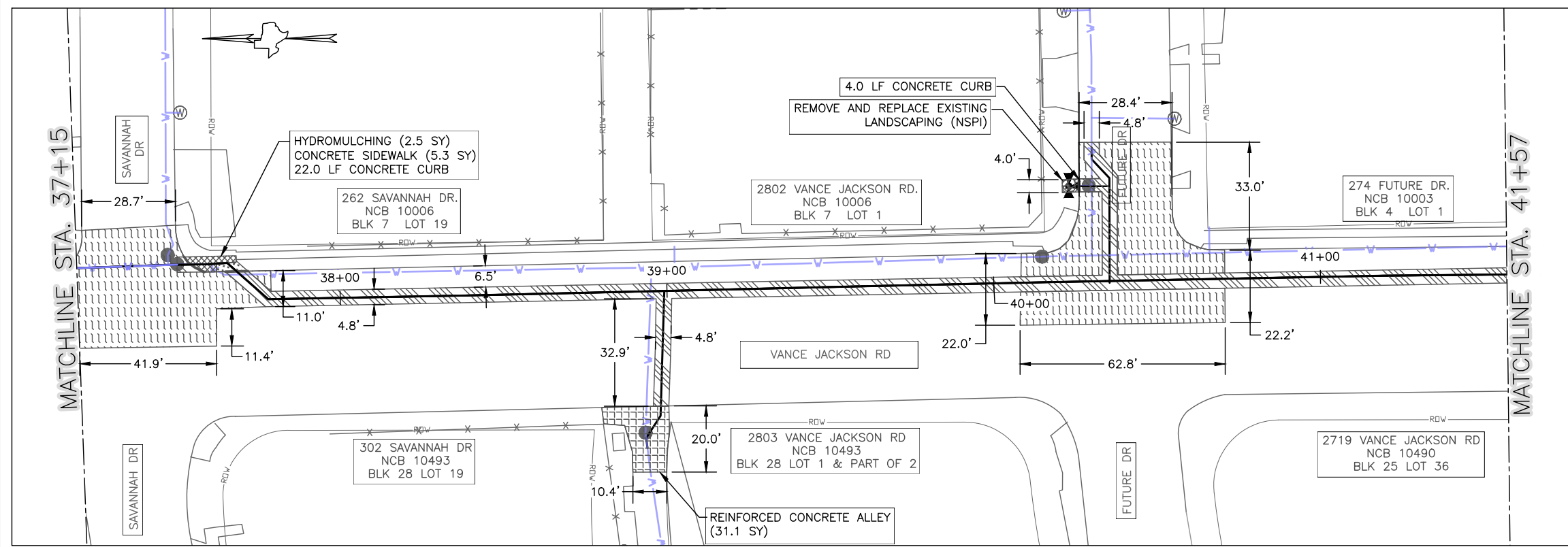
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**1 SURFACE REHAB STA. 32+75 TO 37+15**  
SCALE: 1" = 40'



ESTIMATED QUANTITIES				
ITEM	DESCRIPTION	UNIT	EST.	FINAL
COSA 103.1	REMOVE CONCRETE CURB	LF	26.0	
COSA 103.2	REMOVE SIDEWALKS AND DRIVEWAYS	SF	47.7	
COSA 202.1	PRIME COAT	GAL	49.7	
COSA 203.1	TACK COAT	GAL	65.7	
COSA 205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (3" COMP. DEPTH)	SY	656.2	
COSA 206.1	ASPHALT TREATED BASE (12" COMP DEPTH)	SY	248.1	
COSA 208.0	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH)	SY	408.1	
COSA 209.1	REINFORCED CONCRETE PAVEMENT (6" THICK)	SY	31.1	
COSA 500.1	CONCRETE CURB	LF	26.0	
COSA 502	CONCRETE SIDEWALKS	SY	5.3	
COSA 520	HYDROMULCHING	SY	2.5	



**2 SURFACE REHAB STA. 37+15 TO 41+57**  
SCALE: 1" = 40'

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<b>RESTORATION</b>	
CURB	[Symbol]
CONCRETE SIDEWALK	[Symbol]
HYDROMULCH RESTORATION	[Symbol]
MILL AND HMAC OVERLAY	[Symbol]
PCC DRIVEWAY	[Symbol]
REINFORCED CONCRETE ALLEY	[Symbol]
REINFORCED CONCRETE BUSPAD	[Symbol]
TRENCH REPAIR AND HMAC PATCH	[Symbol]
<b>PROPOSED</b>	
WATER MAIN	[Symbol]
<b>EXISTING</b>	
PARCEL BOUNDARY	[Symbol]
WATER MAIN	[Symbol]

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C	ISSUE FOR 95% SUBMITTAL	MS	NE	04/12/2018
B	ISSUE FOR 70% RESUBMITTAL	MS	NE	01/29/2018

**REVISIONS**

1. VANCE JACKSON IH 10 TO LOOP 410 SURFACE REHAB STA. 32+75 TO 41+57

DEVELOPER:	SAN ANTONIO WATER SYSTEM
CONT.	BUDGET PROJ.
SUBMITTED:	
APPROVED:	
MAP No.	
SECT. No.	
DR. MS	CK. NE

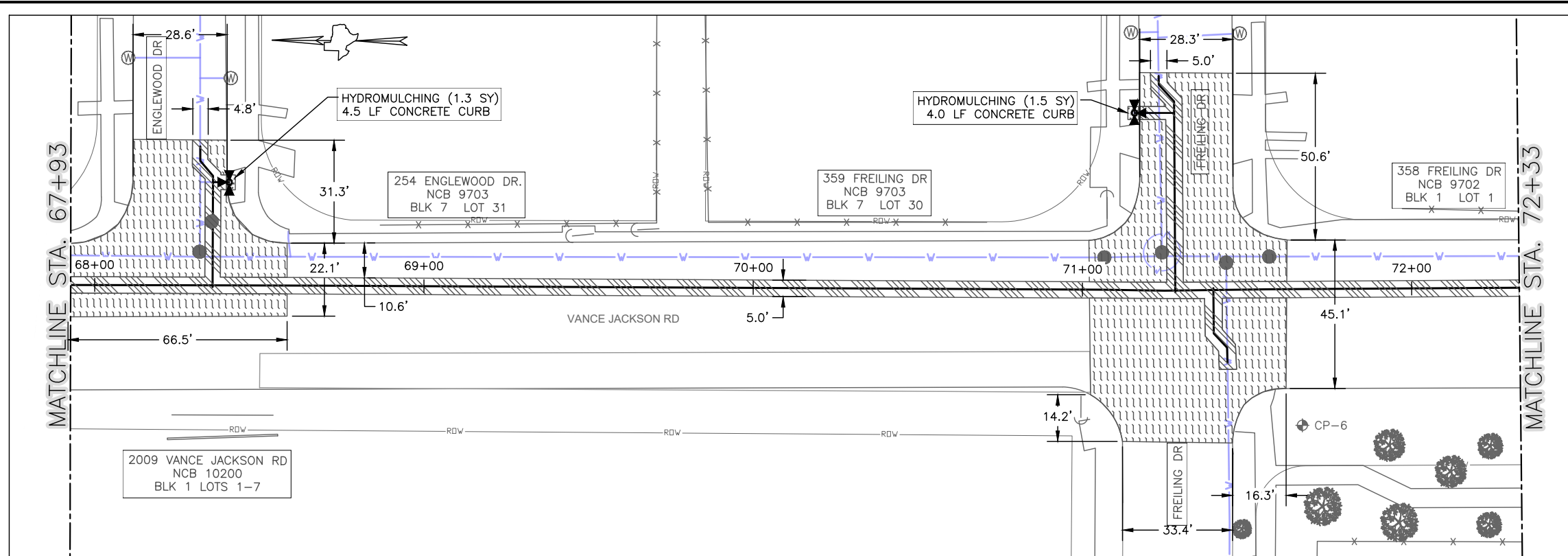
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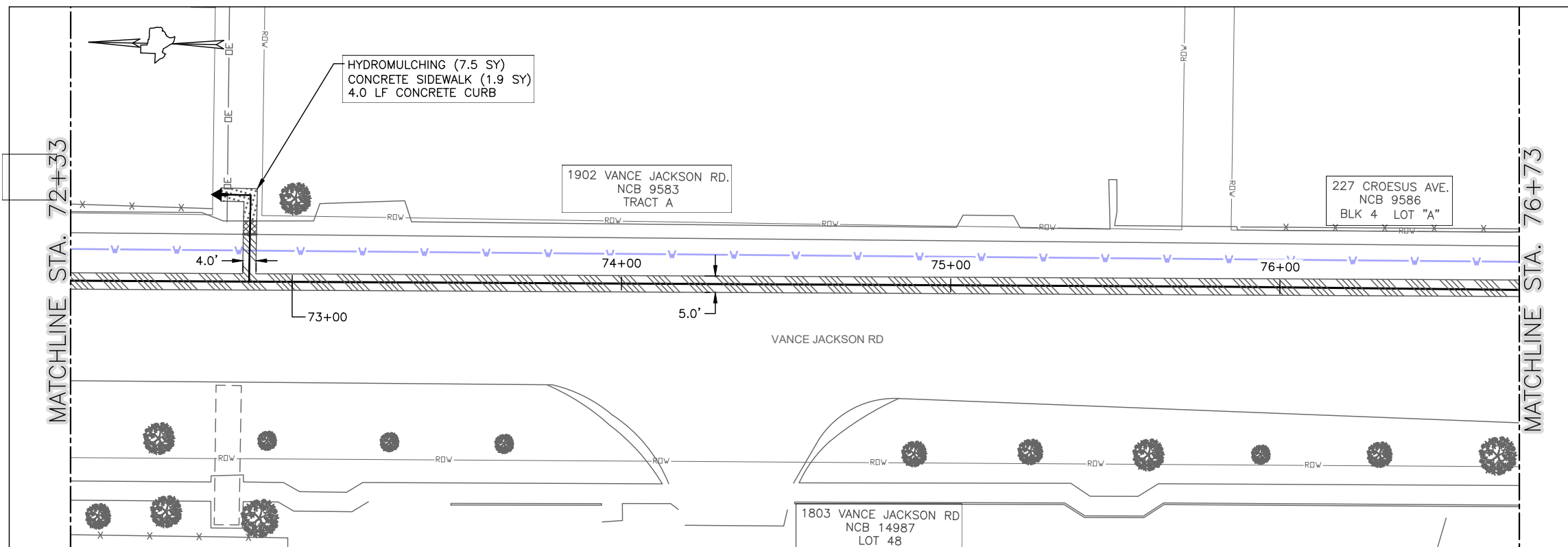


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**1 SURFACE REHAB STA. 67+93 TO 72+33**  
SCALE: 1" = 40'



**2 SURFACE REHAB STA. 72+33 TO 76+73**  
SCALE: 1" = 40'

ESTIMATED QUANTITIES				
ITEM	DESCRIPTION	UNIT	EST.	FINAL
COSA 103.1	REMOVE CONCRETE CURB	LF	12.5	
COSA 103.2	REMOVE SIDEWALKS AND DRIVEWAYS	SF	17.1	
COSA 202.1	PRIME COAT	GAL	113.9	
COSA 203.1	TACK COAT	GAL	124.7	
COSA 205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (3" COMP. DEPTH)	SY	1247.0	
COSA 206.1	ASPHALT TREATED BASE (12" COMP DEPTH)	SY	569.2	
COSA 208.0	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH)	SY	677.8	
COSA 500.1	CONCRETE CURB	LF	12.5	
COSA 502	CONCRETE SIDEWALKS	SY	1.9	
COSA 520	HYDROMULCHING	SY	10.3	

**NOTES:**

- PROPERTY LINES SHOWN ON THIS SHEET AND THROUGHOUT THIS PLAN SET ARE APPROXIMATE. THEY ARE SHOWN FOR REFERENCE ONLY.
- UTILITY LINES SHOWN ON THIS SHEET AND THROUGHOUT THIS PLAN SET ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL UTILITIES.
- THE STATIONING SHOWN ON THIS SHEET REFERENCES THE VANCE JACKSON WATER MAIN.

EXPLANATION	
RESTORATION	
CURB	
CONCRETE SIDEWALK	
HYDROMULCH RESTORATION	
MILL AND HMAC OVERLAY	
PCC DRIVEWAY	
REINFORCED CONCRETE ALLEY	
REINFORCED CONCRETE BUSPAD	
TRENCH REPAIR AND HMAC PATCH	
PROPOSED	
WATER MAIN	
EXISTING	
PARCEL BOUNDARY	
WATER MAIN	

**Trihydro CORPORATION**  
Texas Engineering Firm F-131  
Texas Survey Firm 10194320  
1011 West County Line Road  
New Braunfels, Texas 78130  
(P) 210/298.5030 (F) 830/626.3544  
www.trihydro.com

TRIHYDRO PROJECT NO. 702-557-F00				
E	ADDENDUM #2	MS	NE	06/22/2018
D	ISSUE FOR 100% SUBMITTAL	MS	NE	06/05/2018
C	ISSUE FOR 95% SUBMITTAL	MS	NE	04/12/2018
B	ISSUE FOR 70% RESUBMITTAL	MS	NE	01/29/2018
No.	Revision	Drawn	Approved	Date
REVISIONS				
VANCE JACKSON IH 10 TO LOOP 410 SURFACE REHAB STA. 67+93 TO 76+73				
DEVELOPER:		SAN ANTONIO WATER SYSTEM		
CONT.		BUDGET PROJ.		
SUBMITTED _____				
APPROVED _____				
MAP No.				SHEET
SECT. No.				45
DR. MS	CK. NE	JOB No. 18-4002		OF 74

**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, O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY NATHAN EWERT, P.E. NO. 129134, June 22, 2018 | ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.