



# ADDENDUM 1

**PROJECT NAME: Sonterra Rd Extension (Sonterra to Loop 1604)**

**DATE: 01/12/2024**

**PROJECT NO: 23-03917**

This addendum is separated into sections for convenience; however, all respondents, bidders, contractors, subcontractors, material men, and other parties must be responsible for reading the entire addendum. The failure to list an item or items in all affected sections of this addendum does not relieve any party affected from performing as per instructions, providing that the information is set forth one time any place in this addendum. These documents will be attached to and will become part of the Contract Documents for this project. The respondent/bidder is required to acknowledge the receipt of this addendum.

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## **GENERAL:**

1. The following changes and/or additions to the Contract Documents, via this addendum, must apply to proposals made for and to the execution of the various parts of the work affected thereby.
2. Careful note of the Addendum must be taken by all interested parties and all trades affected must be fully advised in their performance of the work involved.
3. This Addendum is hereby made part of the project requirements and contract documents for the above reference project. Ensure to acknowledge this Addendum in CivCast when downloading this Addendum. Acknowledgement of this Addendum is a requirement in order to submit bid in CivCast. This addendum consists of the items and their associated attachments as listed below:

## **A. ADMINISTRATIVE CHANGES TO BID DOCUMENTS:**

1. THE BID OPENING DATE HAS BEEN EXTENDED:
  - A) FROM: FRIDAY, JANUARY 19, 2024
  - B) TO: FRIDAY, FEBRUARY 2, 2024
2. DEADLINE FOR QUESTIONS HAS BEEN EXTENDED:
  - A) FROM: FRIDAY, JANUARY 5, 2024, 4:00 PM CST
  - B) TO: FRIDAY, JANUARY 19, 2024, 4:00 PM CST
3. REMOVE HEAVY AND HIGHWAY WAGE DECISION TX20230007 1/03/2023 AND UPLOAD HEAVY AND HIGHWAY WAGE DECISION TX20240007 1/5/2024.

## **B. CHANGES TO PLANS / SPECIFICATIONS:**

1. SPECIAL PROVISIONS:
  - A. REMOVE SPECIAL PROVISION ITEM 203 TACK COAT AND REPLACE WITH ATTACHED SPECIAL PROVISION ITEM 203 TACK COAT TO REFLECT ADDITIONAL VERBIAGE IN SECTION 203.6 PAYMENT.
2. COSA PLAN SHEETS:
  - A. REMOVE SHEET 14 AND REPLACE WITH ATTACHED SHEET 14 TO REFLECT REVISED BID ITEM UNIT OF MEASURE FOR ITEM 515.1 AND REVISED BID ITEM QUANTITY FOR ITEM 540.1.
  - B. REMOVE SHEET 17 AND REPLACE WITH ATTACHED SHEET 17 TO REFLECT REVISED BID ITEM QUANTITY FOR ITEM 540.1.

- C. REMOVE SHEET 147 AND REPLACE WITH ATTACHED SHEET 147 TO REFLECT REVISED BID ITEM QUANTITY FOR ITEM 540.1, REVISED CALLOUTS, AND REVISED SHEET NOTES.
- D. REMOVE SHEET 79 AND REPLACE WITH ATTACHED SHEET 79 TO RELFECT REVISED LEGEND.
- E. REMOVE SHEET 80 AND REPLACE WITH ATTACHED SHEET 80 TO RELFECT REVISED LEGEND.
- F. REMOVE SHEET 81 AND REPLACE WITH ATTACHED SHEET 81 TO RELFECT REVISED LEGEND.
- G. REMOVE SHEET 82 AND REPLACE WITH ATTACHED SHEET 82 TO RELFECT REVISED LEGEND.
- H. REMOVE SHEET 83 AND REPLACE WITH ATTACHED SHEET 83 TO RELFECT REVISED LEGEND.
- I. REMOVE SHEET 84 AND REPLACE WITH ATTACHED SHEET 84 TO RELFECT REVISED LEGEND.
- J. REMOVE SHEET 85 AND REPLACE WITH ATTACHED SHEET 85 TO RELFECT REVISIONS TO THE LEGEND, CONCRETE CAP DETAIL, AND SHEET NOTE 1
- K. REMOVE SHEET 86 AND REPLACE WITH ATTACHED SHEET 86 TO RELFECT REVISED LEGEND.
- L. REMOVE SHEET 87 AND REPLACE WITH ATTACHED SHEET 87 TO RELFECT REVISED LEGEND.
- M. REMOVE SHEET 91 AND REPLACE WITH ATTACHED SHEET 91 TO RELFECT REVISED LEGEND.

**C. QUESTIONS & RESPONSES:**

1. NOTE 2 UNDER ADDITIONAL EARTHWORK NOTES ON SHEET 13 OF 208 HAS AN EMBANKMENT SPECIFICATION CBR VALUE OF 8. OUR VENDORS EITHER DON'T KNOW WHAT THIS IS OR DON'T HAVE THIS MATERIAL. INSTEAD OF HAVING THREE DIFFERENT EMBANKMENT SPECIFICATIONS FOR THIS PROJECT CAN YOU MAKE ALL THE EMBANKMENT SPECIFICATIONS A GENERAL FILL THAT WOULD BE EASIER TO FIND AND MORE COST EFFECTIVE FOR THE CITY?

***THESE NOTES WERE PROVIDED TO PROVIDE THE CONTRACTOR THE MOST LEEWAY WHILE ALSO MAKING SURE THE MATERIAL MEETS THE STRENGTH REQUIREMENTS NEEDED. AN ADDITIONAL ALTERNATIVE FOR THE FILL MATERIAL WITHIN THE AREA 0'-3' BELOW THE PAVEMENT WOULD BE TXDOT ITEM 247 GRADE 1 OR 2. ONE TYPE OF EMBANKMENT COULD BE USED BY THE CONTRACTOR BUT WOULD NEED TO ADHERE TO THE MOST STRINGENT OF THE SPECIFICATIONS.***

2. CAN CAD FILES BE PROVIDED?

***CAD FILES WILL BE PROVIDED TO THE SUCCESSFUL RESPONSIVE BIDDER IF REQUESTED.***

3. CAN CADFILES OR DGN FILES BE PROVIDED TO VERIFY EARTHWORK QUANTITIES?

***CAD FILES WILL BE PROVIDED TO THE SUCCESSFUL RESPONSIVE BIDDER IF REQUESTED.***

4. REGARDING THE RCP ITEMS; WHAT ARE THE SPECS FOR THE INITIAL BACKFILL (CONFORMING TO ITEM 400.3.E.2.9-E), FILTER FABRIC (PER ITEM 400) AND SECONDARY BACKFILL (CONFORMING TO ITEM 400.3.E.2.F) SHOWN ON PLAN SHEET 130? ITEM 400 IS NOT FOUND/SHOWN IN PROJECT SPECIFICATIONS PROVIDED.

***MATERIALS USED FOR SECONDARY BACKFILL IS GOVERNED BY SPECIFICATION SECTION 400.3.E.2.A AS WELL AS THE TYPICAL PIPE BEDDING AND BACKFILL DETAIL ON COSA STANDARD DETAIL SHEET 130. INITIAL BACKFILL IS GOVERNED BY SPECIFICATION SECTION 400.3.E.2, WHICH REFERS TO MULTIPLE MATERIAL OPTIONS WITHIN THE SPECIFICATION. PER COSA ITEM 400, FILTER FABRIC SHALL CONFORM TO TXDOT DMS 6200, "FILTER FABRIC", TYPE 1.***

5. CAN YOU PLEASE PROVIDE A DETAIL FOR ITEM 403.6 SPECIAL JUNCTION BOXES (COMPLETE) 1 EA.

***THIS ITEM REFERS TO THE 6'X6'X9' JUNCTION BOX D-JB6 ON SHEET 110. PLEASE USE THE COSA STANDARD DETAIL FOR A 6'X6'X6' JUNCTION BOX ITEM. PLEASE NOTE THAT THE 6'X6'X6' COSA STANDARD DETAIL CAN BE ADJUSTED TO DEPTHS GREATER THAN 6'. IN THIS CASE THE CONTRACTOR SHALL FOLLOW SECTION A-A AND THE VERTICAL STACK GUIDANCE WITHOUT THE PRE-CAST CONC. CONE SECTION (SEE STANDARD DETAILS) TO ACHIEVE THE DEPTH REQUIRED.***

6. ON SHEET 12, THERE IS A NOTE THAT CALLS FOR CLASS B (6") PAD UNDER INLETS, BOXES AND STRUCTURES. IS THIS MUD SLAB REQUIRED FOR ALL INLETS, BOXES AND STRUCTURES? HOW IS IT PAID?

**THE NOTE FOUND ON SHEETS 109-112 SPECIFIES THAT THE 6" CLASS B PAD SHOULD BE PLACED ONLY UNDER GROUPS OF MULTIPLE INLETS, MULTIPLE BOXES, OR OTHER STRUCTURES. THIS ITEM SHALL BE SUBSIDIARY TO THE ASSOCIATED STRUCTURE PAY ITEMS. SINGLE STRUCTURES ARE NOT REQUIRED TO HAVE MUD SLABS.**

7. DO THE BID QUANTITIES FOR THE EXCAVATION ITEMS INCLUDE THE VOLUME OF TOPSOIL TO BE STRIPPED?

**FOR THIS PROJECT, THE ASSUMPTION WAS MADE THAT THERE IS NO EXISTING TOPSOIL TO BE STRIPPED IN THE PROJECT LIMITS. EXCAVATION QUANTITY WAS CALCULATED FROM THE EXISTING GRADE TO THE FINISHED GRADE OUTSIDE OF THE PROPOSED PAVEMENT AREA AND TO THE BOTTOM OF THE PROPOSED PAVEMENT SECTION IN THE PROPOSED PAVEMENT AREAS.**

8. DO THE BID QUANTITIES FOR THE EMBANKMENT ITEMS INCLUDE THE VOLUME OF TOPSOIL TO BE PLACED?

**THE QUANTITY OF EMBANKMENT WAS CALCULATED TO THE FINISHED GRADE OUTSIDE OF THE PROPOSED PAVEMENT AREA AND TO THE BOTTOM OF THE PROPOSED PAVEMENT SECTION IN THE PROPOSED PAVEMENT AREAS. TOPSOIL SHALL BE INCLUDED BY THE CONTRACTOR AND IS QUANTIFIED FOR THE TOP 4" BELOW FINISHED GRADE.**

9. DO THE BID QUANTITIES FOR THE EXCAVATION ITEMS INCLUDE THE VOLUMES OF ANY NON-SOIL MATERIALS TO BE REMOVED, SUCH AS ASPHALT, BASE, OR CONCRETE PAVEMENT?

**THE EXCAVATION QUANTITIES INCLUDE PAVEMENT ITEMS QUANTIFIED TO BE REMOVED UNDER SEPARATE ITEMS. THE CONTRACTOR'S BID PRICES SHOULD TAKE INTO ACCOUNT THE TOTAL COST OF REQUIRED EXCAVATION AND DEMOLITION OF ALL MATERIALS IN CONFLICT WITH THE PROPOSED WORK AND BID ACCORDINGLY USING THESE ITEMS.**

10. CAN YOU PLEASE PROVIDE PRELIMINARY CONSTRUCTION SCHEDULE?

**A SCHEDULE WILL NOT BE PROVIDED.**

11. WILL THE OWNER STAFF WITH A 3<sup>RD</sup> PARTY CONSULTANT? IF YES, WHO IS THE CONSULTANT?

**THE PROJECT WILL BE HANDLED BY AN ASSIGNED COSA PM. IT IS NOT KNOWN AT THIS TIME IF THE COSA PM WILL NEED ASSISTANCE WITH THE PROJECT THAT WOULD REQUIRE A 3<sup>RD</sup> PARTY CONSULTANT.**

12. ARE ALL UTILITIES RELOCATED OUT OF CONFLICT IN CONTRACTORS WORK AREA?

**SAWS UTILITY ITEMS THAT ARE NEEDING TO BE RELOCATED ARE INCLUDED AS JOINT-BID WITHIN THIS PLAN SET. CPS AND ATTACHED TELECOMMUNICATIONS ARE IN THE PROCESS OF RELOCATING AS DISCUSSED DURING THE PRE-BID MEETING. ADDITIONALLY, THERE ARE SOME UTILITIES NEAR DRIVEWAY 3-1 THAT ARE TO BE POTHOLED. SEE SHEET 85 FOR MORE INFORMATION.**

13. WHO IS RESPONSIBLE FOR THE TESTING ON THIS PROJECT?

**QUALITY CONTROL TESTING WILL BE REQUIRED BY THE SUCCESSFUL CONTRACTOR AWARDED THE PROJECT. QUALITY ASSURANCE TESTING WILL BE PERFORMED BY THE CITY OF SAN ANTONIO.**

14. ARE THERE ANY ITEMS THAT ARE SUBSIDIARY TO AN ITEM THAT WE SHOULD BE MADE AWARE OF?

**SUBSIDIARY ITEMS ARE NOTED IN SPECIFICATIONS AND BID DOCUMENTS INCLUDING PLANS AND SHOULD BE THOROUGHLY REVIEWED BY THE PERSPECTIVE BIDDER. ONE EXAMPLE IS ON SHEET 149, NOTE 4 "TREES WITHIN THE LIMITS OF GRADING ARE SUBJECT TO ITEM 101 PREPERARING RIGHT-OF-WAY".**

15. WILL AN OWNER'S FIELD OFFICE BE REQUIRED?

**THE FIELD OFFICE REQUIREMENTS ARE NOTED IN SPECIFICATION 526 FIELD OFFICE (SPECIAL PROVISIONS JUNE 2010). A FIELD OFFICE IS REQUIRED IF THE TOTAL CONTRACT AMOUNT (INCLUDING JOINT BID UTILITIES) IS ONE MILLION DOLLARS OR GREATER.**

**16. HOW IS THE TRUCK APRON SHOWN IN SHEET 98 PAID FOR?**

***THE TRUCK APRON SHOWN IN SHEET 98 WILL BE PAID FOR DIRECTLY BY ITEM 209.1 REINFORCED CONCRETE PAVEMENT (12" THICK)***

**17. WHERE IS THE 12" CRCP (ITEM 209.1) LOCATED ON THE PROJECT?**

***ITEM 209.1 REINFORCED CONCRETE PAVEMENT (12" THICK) WILL DIRECTLY PAY FOR THE TRUCK APRON AT THE CENTER OF THE ROUNDABOUT AND AS SHOWN IN THE TRUCK APRON DETAIL ON SHEET 98.***

**18. HOW ARE THE CURB RAMPS PAID FOR?**

***CURB RAMPS WITHIN TXDOT ROW ARE PAID FOR PER TXDOT STANDARD DETAIL PED-18 (SHEETS 104-107) AS EACH. CURB RAMPS OUTSIDE OF TXDOT ROW ARE PAID FOR AS PART OF ITEM 502.1 CONCRETE SIDEWALKS (SY) PER SAN ANTONIO SPECIFICATIONS AND DETAIL SHEET 102.***

**ATTACHMENTS:**

1. SPECIAL PROVISION 203 "TACK COAT" (2 PAGES)
2. COSA PLAN SHEETS 14, 17, 79, 80, 81, 82, 83, 84, 85, 86, 87, 91, and 147 (13 PAGES)
3. CPS ILLUMINATION BID INFORMATION (3 Pages)
4. PRE-BID MEETING MINUTES (3 Pages)

**SIGNED AND SEALED BY CONSULTANT (Engineer/Architect of Record)**

By signing and sealing this addendum, the Engineer/Architect of Record acknowledges that the sign/seal is only for changes/clarifications to the items associated with the Engineer's/Architect's work referenced in this addendum.



FREESE AND NICHOLS, INC.  
TEXAS REGISTERED  
ENGINEERING FIRM  
F-2144

**END OF ADDENDUM NO. 1**

Update: January 2024

THE FOLLOWING ITEMS ARE SPECIAL PROVISIONS TO  
THE CITY OF SAN ANTONIO  
STANDARD SPECIFICATIONS FOR CONSTRUCTION  
DATED JUNE 2008

1. Item 203 Tack Coat

Page 2

## Item 203 Tack Coat

Add:

**203.6 PAYMENT:**

The work performed and materials furnished as prescribed by “Item 203.2 Tack Coat (Emulsified Asphalt Only)” will be paid for at the contract unit price for the difference from the base bid price for “Item 203.1 Tack Coat” by either adding an increase, decrease, or a zero-cost change with the use of the alternate tack coat with emulsified asphalt only.

Add:

**203.7 BID ITEM:**

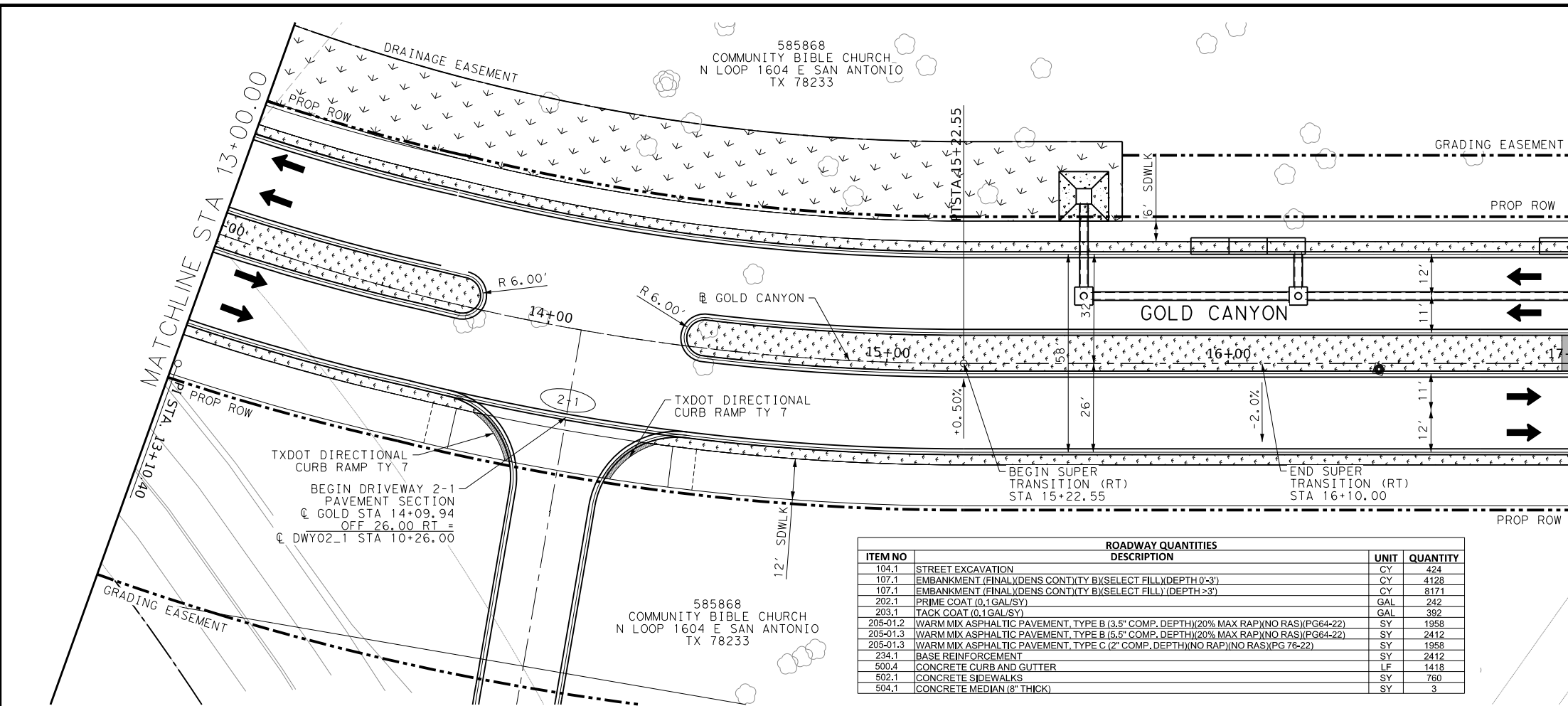
Item 203.2 – Tack Coat (Emulsified Asphalt Only) – per gallon







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 Plotter: \\freese-pw-bentley.com\freese-pw\01\Documents\FNI - Texas\SA121921 (Transportation)\2 Drawings\2.04 Infrastructure\2.04.02 Sheets\2.04.02.03 Roadway\CV-TR1-PP-RDWY02.dgn  
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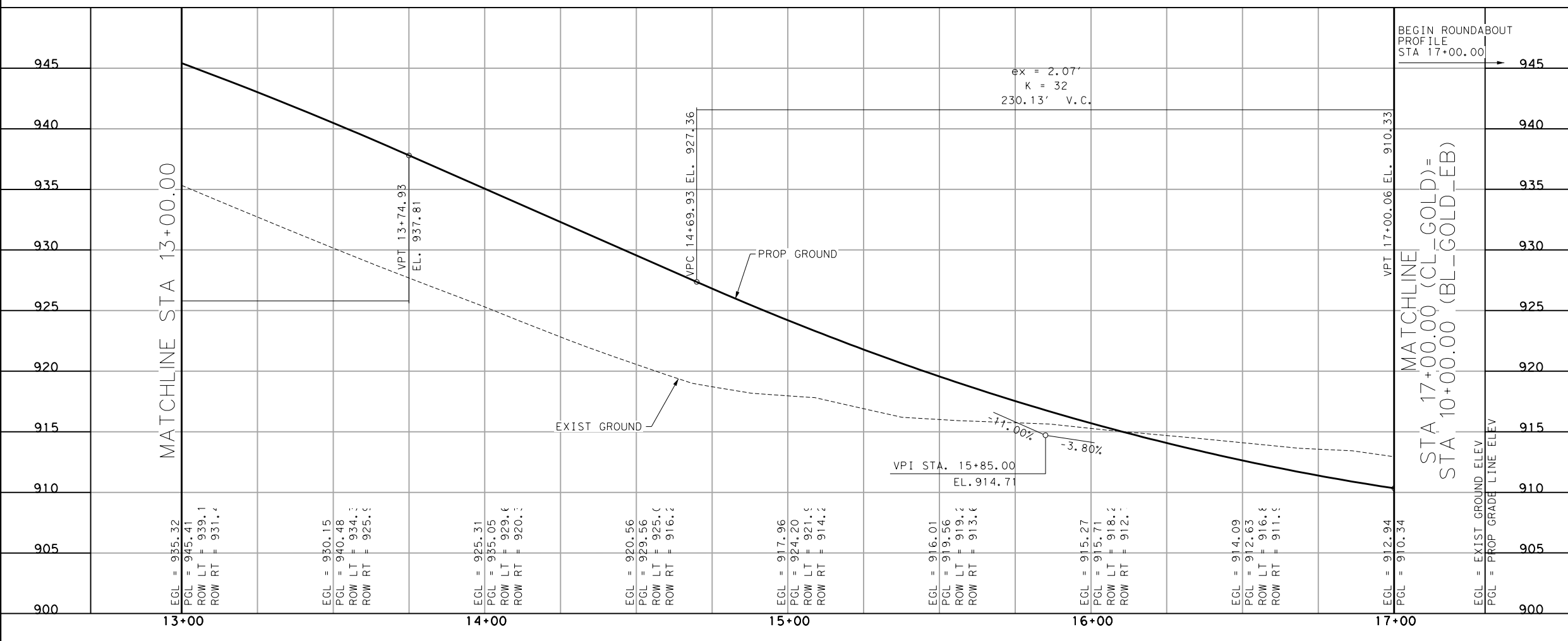
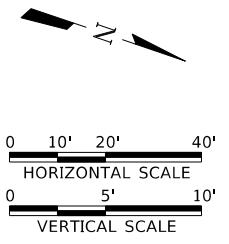


ITEM NO	ROADWAY QUANTITIES DESCRIPTION	UNIT	QUANTITY
104.1	STREET EXCAVATION	CY	424
107.1	EMBANKMENT (FINAL) (DENS CONT) (TY B) (SELECT FILL) (DEPTH 0'-3')	CY	4128
107.1	EMBANKMENT (FINAL) (DENS CONT) (TY B) (SELECT FILL) (DEPTH >3')	CY	8171
202.1	PRIME COAT (0.1 GAL/SY)	GAL	242
203.1	TACK COAT (0.1 GAL/SY)	GAL	392
205-01.2	WARM MIX ASPHALTIC PAVEMENT, TYPE B (3.5" COMP. DEPTH) (20% MAX RAP) (NO RAS) (PG 64-22)	SY	1958
205-01.3	WARM MIX ASPHALTIC PAVEMENT, TYPE B (5.5" COMP. DEPTH) (20% MAX RAP) (NO RAS) (PG 64-22)	SY	2412
205-01.3	WARM MIX ASPHALTIC PAVEMENT, TYPE C (2" COMP. DEPTH) (NO RAP) (NO RAS) (PG 76-22)	SY	1958
234.1	BASE REINFORCEMENT	SY	2412
500.4	CONCRETE CURB AND GUTTER	LF	1418
502.1	CONCRETE SIDEWALKS	SY	760
504.1	CONCRETE MEDIAN (8" THICK)	SY	3

**LEGEND**

- TRAFFIC FLOW
- DRIVEWAY NUMBER
- PROPOSED ROW
- EXIST ROW
- CONSTRUCTION LIMITS
- SODDING
- CONCRETE MEDIAN
- TRUCK APRON (12" REINFORCED CONCRETE PAVEMENT)
- CONCRETE RIP RAP

NOTE:  
 1) QUANTITY FOR TOPSOIL AND SODDING IN MEDIAN AND PARKWAY ARE PROVIDED ON SW3P LAYOUTS



FREESE AND NICHOLS, INC.  
 TEXAS REGISTERED ENGINEERING FIRM F-2144

01/09/2024

NO.	DATE	REVISION	APPROVED BY
1	01/09/24	ADDENDUM NO. 1	BAG

**FREESE AND NICHOLS**  
 9601 McAllister Freeway, Suite 1008  
 San Antonio, Texas 78216  
 Phone - (210) 298-3800  
 web - www.freese.com

**CITY OF SAN ANTONIO**  
 PUBLIC WORKS DEPARTMENT

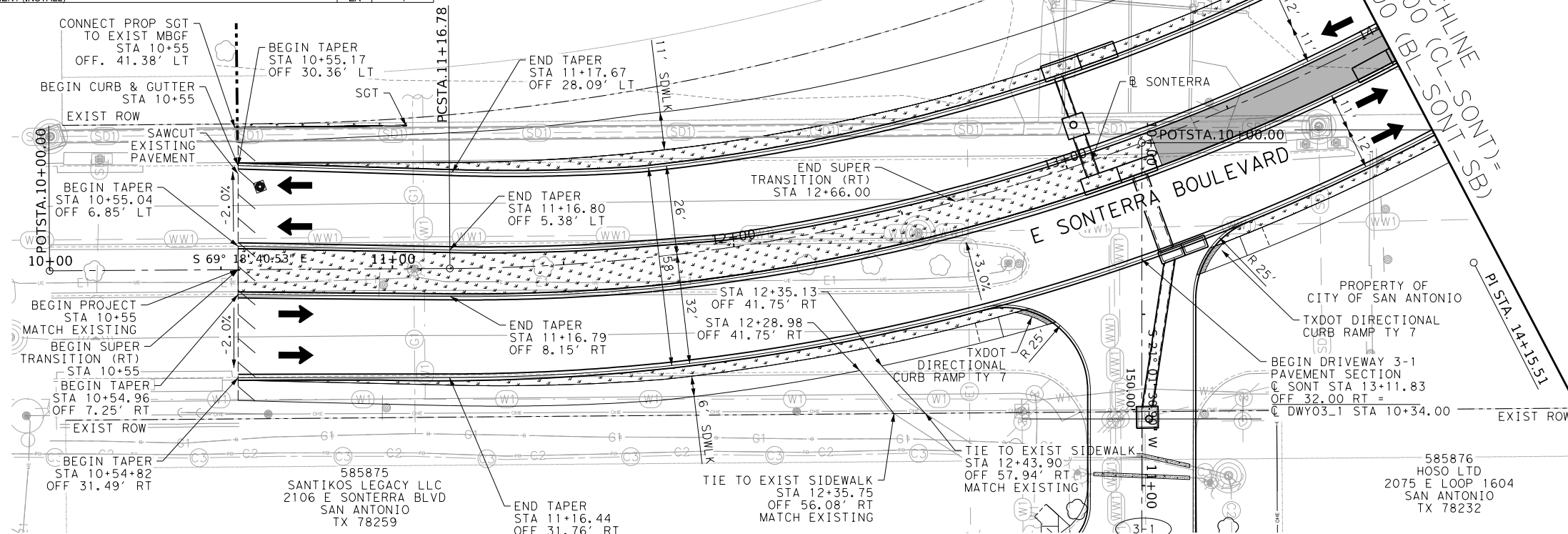
**SONTERRA ROAD EXTENSION**  
**GOLD CANYON**  
**PLAN & PROFILE LAYOUT**  
 STA 13+00 TO STA 17+00

100% SUBMITTAL	PROJECT NO.: 23-01849	DATE: 01/09/2024
DRWN. BY: JLL	DSGN. BY: NS	CHKD. BY: BAG
		SHEET 80 OF 208

ITEM NO	ROADWAY QUANTITIES DESCRIPTION	UNIT	QUANTITY
104.1	STREET EXCAVATION	CY	5503
107.1	EMBANKMENT (FINAL)(DENS CONT)(TY B)(SELECT FILL)(DEPTH 0'-3')	CY	97
202.1	PRIME COAT (0.1 GAL/SY)	GAL	205
203.1	TACK COAT (0.1 GAL/SY)	GAL	324
205-01.2	WARM MIX ASPHALTIC PAVEMENT, TYPE B (3.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	1620
205-01.3	WARM MIX ASPHALTIC PAVEMENT, TYPE B (5.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	2044
205-01.3	WARM MIX ASPHALTIC PAVEMENT, TYPE C (2" COMP. DEPTH)(NO RAP)(NO RAS)(PG 76-22)	SY	1620
234.1	BASE REINFORCEMENT	SY	2044
500.4	CONCRETE CURB AND GUTTER	LF	1311
502.1	CONCRETE SIDEWALKS	SY	600
504.1	CONCRETE MEDIAN (8" THICK)	SY	87
5446001	GUARDRAIL END TREATMENT (INSTALL)	EA	1

CURVE = CL\_SONT\_3  
 $\theta = 9^\circ 39' 43.27"$   
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 $R = 593.00$   
 $L = 553.44$   
 $C = 53^\circ 28' 23.25"$  (LT)

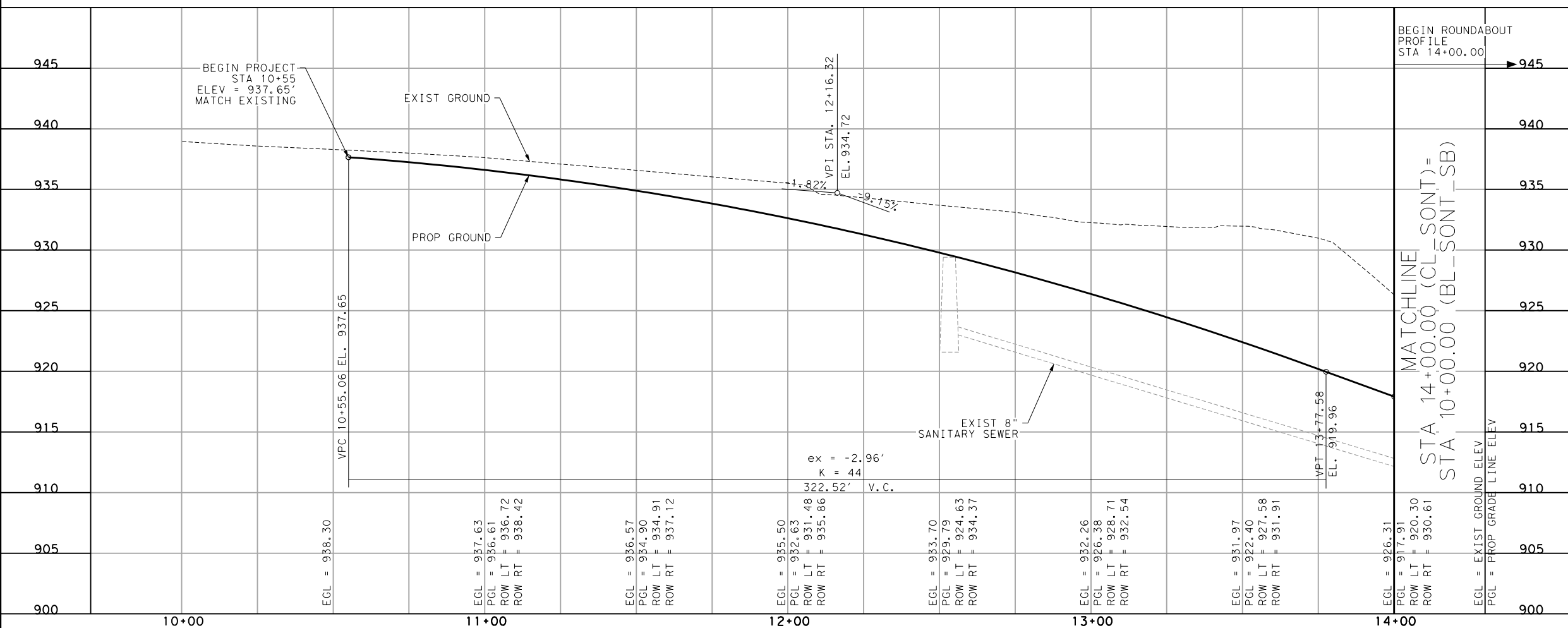
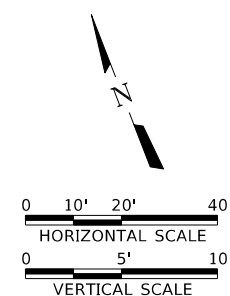
1197137  
 COMMUNITY BIBLE CHURCH  
 E LOOP 1604 SAN ANTONIO  
 TX 78233



**LEGEND**

- ← TRAFFIC FLOW
- (x-x) DRIVEWAY NUMBER
- PROPOSED ROW
- EXIST ROW
- /// CONSTRUCTION LIMITS
- [Pattern] SODDING
- [Pattern] CONCRETE MEDIAN
- [Pattern] TRUCK APRON (12" REINFORCED CONCRETE PAVEMENT)
- [Pattern] CONCRETE RIP RAP

NOTE:  
 1) QUANTITY FOR TOPSOIL AND SODDING IN MEDIAN AND PARKWAY ARE PROVIDED ON SW3P LAYOUTS



FREES AND NICHOLS, INC.  
 TEXAS REGISTERED ENGINEERING FIRM F-2144

01/09/2024

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Freese and Nichols, Inc.  
 Texas Registered Engineering Firm F-2144  
**FREES AND NICHOLS**  
 9601 McAllister Freeway, Suite 1008  
 San Antonio, Texas 78216  
 Phone - (210) 298-3800  
 web - www.freese.com

**CITY OF SAN ANTONIO**  
 PUBLIC WORKS DEPARTMENT

**SONTERRA ROAD EXTENSION**  
**SONTERRA BOULEVARD**  
**PLAN & PROFILE LAYOUT**  
 BEGIN TO STA 14+00

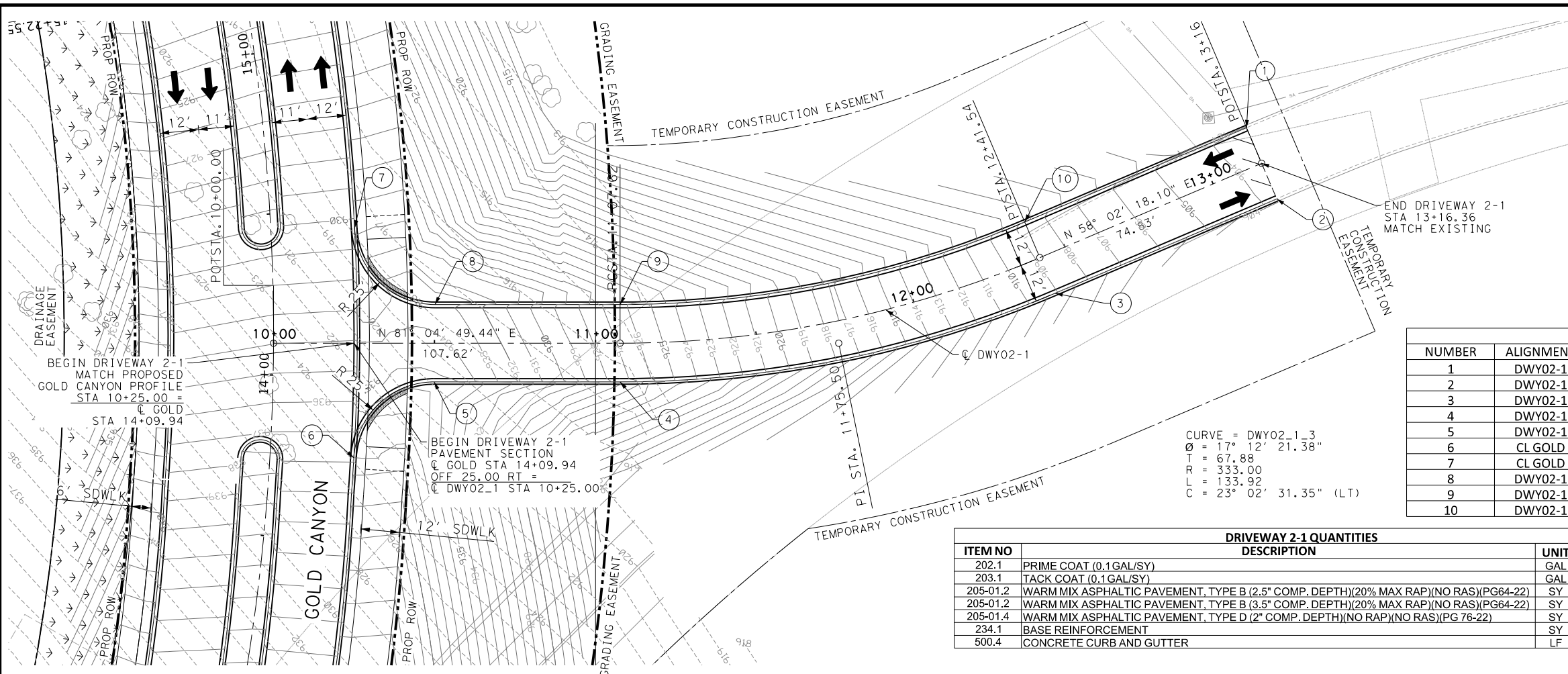
100% SUBMITTAL	PROJECT NO.: 23-01849	DATE: 01/09/2024
DRWN. BY: JLL	DSGN. BY: NS	CHKD. BY: BAG

SHEET 81 OF 208

MicroStation V8 User: 028580\freese-pw-01\Documents\FNI - Texas\SA121921 (Transportation)\2 Drawings\2.04 Infrastructure\2.04.02 Sheets\2.04.02.03 Roadway\CV-TR1-PP-RDWY04.dgn  
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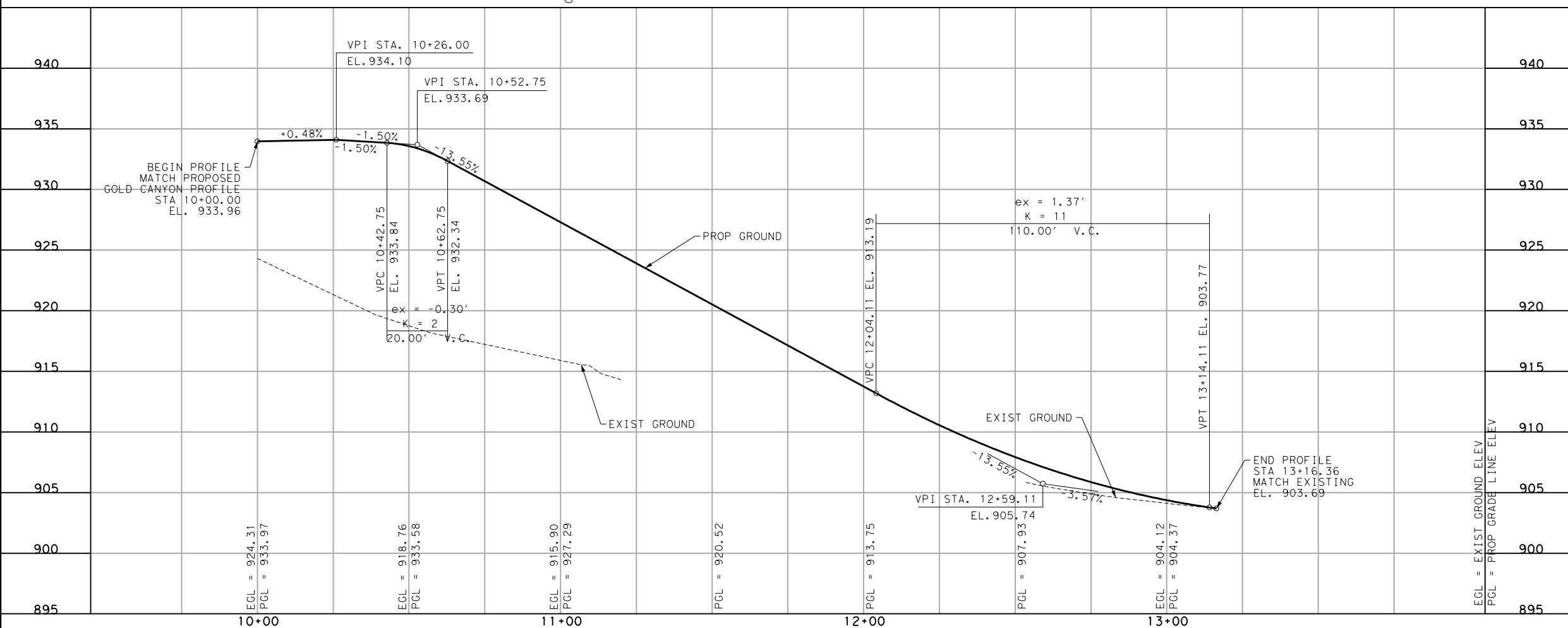
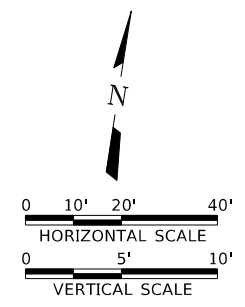


**LEGEND**

- TRAFFIC FLOW
- DRIVEWAY NUMBER (x-x)
- PROPOSED ROW
- EXIST ROW
- CONSTRUCTION LIMITS
- SODDING
- CONCRETE MEDIAN
- TRUCK APRON (12" REINFORCED CONCRETE PAVEMENT)
- CONCRETE RIP RAP

DRIVEWAY 2-1				
NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
1	DWY02-1	13+16.37	12.00 LT	903.74
2	DWY02-1	13+16.37	12.00 RT	903.80
3	DWY02-1	12+41.54	12.00 RT	909.09
4	DWY02-1	11+07.62	12.00 RT	927.60
5	DWY02-1	10+49.89	12.00 RT	935.37
6	CL GOLD	13+75.71	26.00 RT	937.79
7	CL GOLD	14+44.33	26.00 RT	930.28
8	DWY02-1	10+50.14	12.00 LT	933.56
9	DWY02-1	11+07.62	12.00 LT	926.30
10	DWY02-1	12+41.54	12.00 LT	908.77

DRIVEWAY 2-1 QUANTITIES			
ITEM NO	DESCRIPTION	UNIT	QUANTITY
202.1	PRIME COAT (0.1 GAL/SY)	GAL	91
203.1	TACK COAT (0.1 GAL/SY)	GAL	149
205-01.2	WARM MIX ASPHALTIC PAVEMENT, TYPE B (2.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	906
205-01.2	WARM MIX ASPHALTIC PAVEMENT, TYPE B (3.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	742
205-01.4	WARM MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)(NO RAP)(NO RAS)(PG 76-22)	SY	742
234.1	BASE REINFORCEMENT	SY	906
600.4	CONCRETE CURB AND GUTTER	LF	609



FREES AND NICHOLS, INC.  
TEXAS REGISTERED ENGINEERING FIRM F-2144

01/09/2024  
BREGGER A. GARRISON  
LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REVISION	APPROVED BY
1	01/09/24	ADDENDUM NO. 1	BAG

Freese and Nichols, Inc.  
Texas Registered Engineering Firm F-2144  
**FREES AND NICHOLS**  
9601 McAllister Freeway, Suite 1008  
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Phone - (210) 298-3800  
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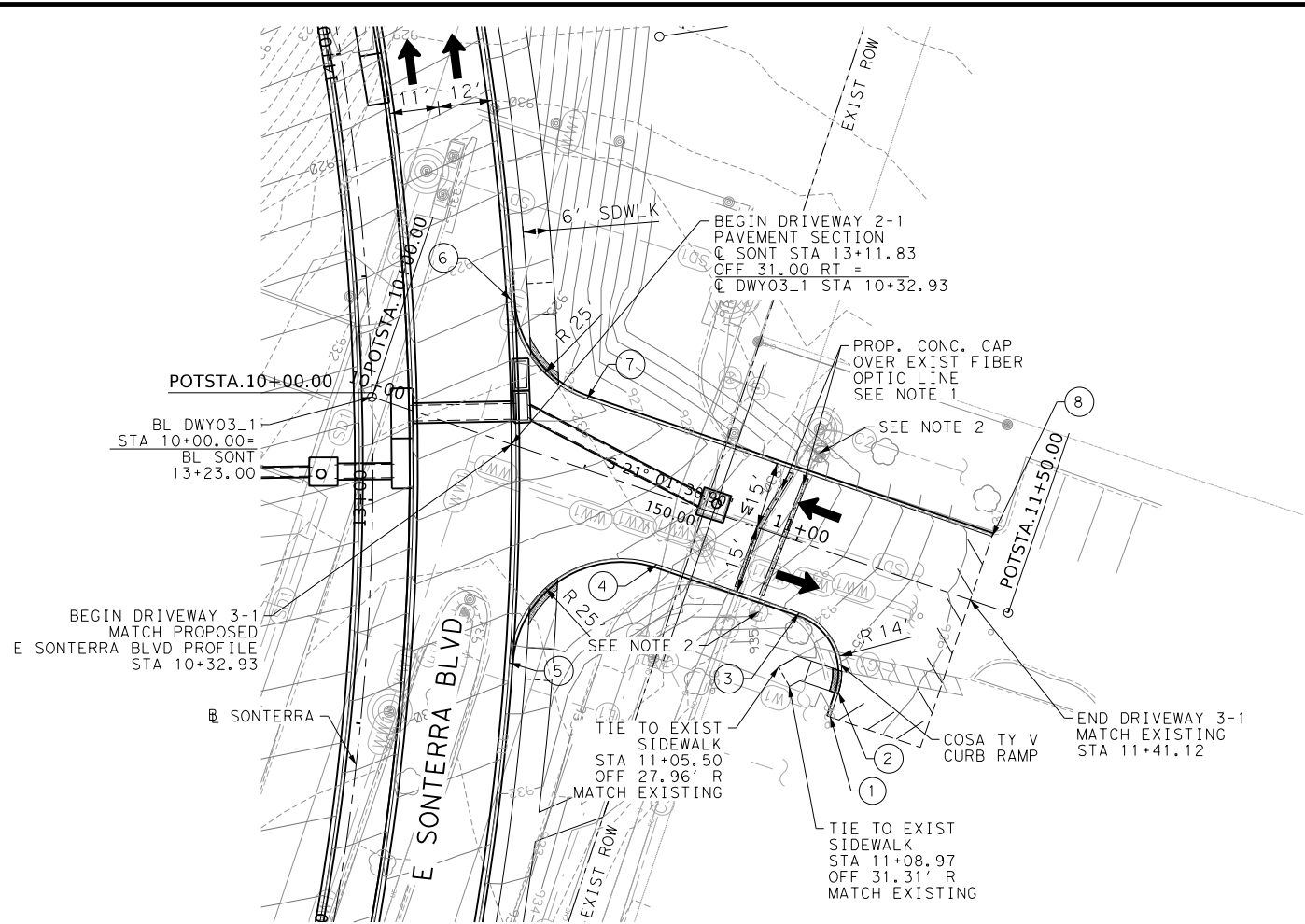
**CITY OF SAN ANTONIO**  
PUBLIC WORKS DEPARTMENT

**SONTERRA ROAD EXTENSION**  
**DRIVEWAY 2-1**  
**PLAN & PROFILE**

100% SUBMITTAL	PROJECT NO.: 23-01849	DATE: 01/09/2024
DRWN. BY: JL	DSGN. BY: NS	CHKD. BY: BAG
		SHEET 84 OF 208

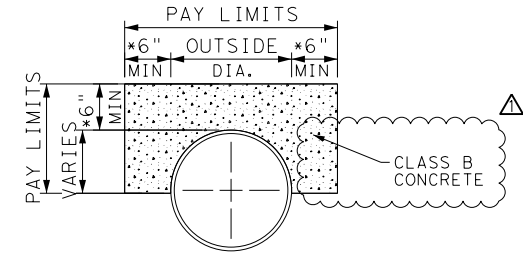
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 Plot Scale: 40,000.00  
 Date: Jan 09, 2024 - 05:21:17 PM Project: Freese and Nichols, Inc.

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 Date: Jan 09, 2024 05:21:34 PM Project: Freese and Nichols, Inc.



DRIVEWAY 3-1				
NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
1	DWY03-1	11+19.82	34.77 RT	935.46
2	DWY03-1	11+19.82	29.00 RT	935.33
3	DWY03-1	11+05.82	15.00 RT	933.43
4	DWY03-1	10+72.31	15.00 RT	929.67
5	CL SONT	12+65.83	32.00 RT	929.68
6	CL SONT	13+42.83	32.00 RT	923.97
7	DWY03-1	10+45.61	15.00 LT	925.70
8	DWY03-1	11+41.10	15.00 LT	936.51

DRIVEWAY 3-1 QUANTITIES			
ITEM NO	DESCRIPTION	UNIT	QUANTITY
202.1	PRIME COAT (0.1 GAL/SY)	GAL	50
203.1	TACK COAT (0.1 GAL/SY)	GAL	95
205-01.2	WARM MIX ASPHALTIC PAVEMENT, TYPE B (2.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	496
205-01.2	WARM MIX ASPHALTIC PAVEMENT, TYPE B (3.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	471
205-01.4	WARM MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)(NO RAP)(NO RAS)(PG 76-22)	SY	496
234.1	BASE REINFORCEMENT	SY	471
407.1	CONCRETE ENCASEMENT	CY	4
500.4	CONCRETE CURB AND GUTTER	LF	232

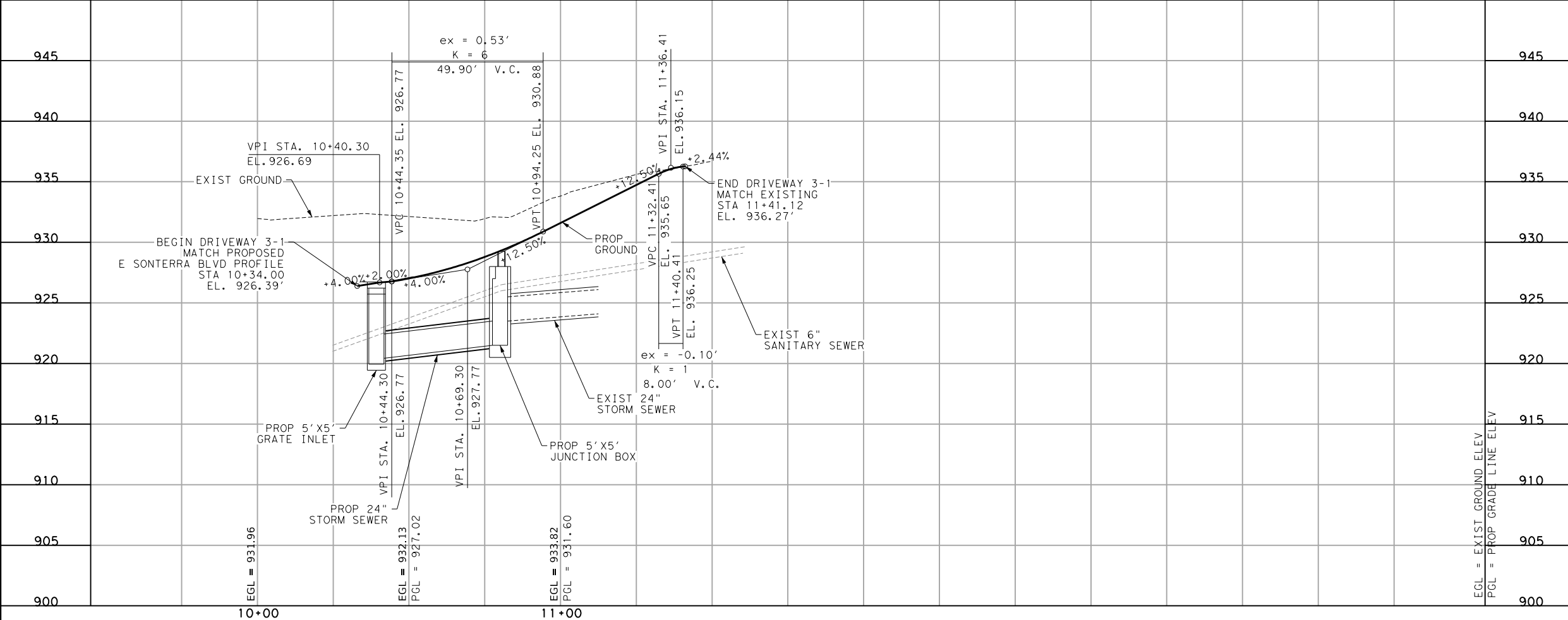
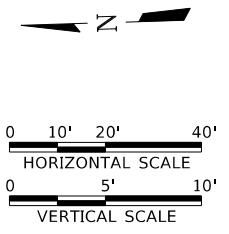


TYPICAL CONCRETE CAP DETAIL  
 \* OUTSIDE DIAMETER OR 6" (CHOOSE MINIMUM)

LEGEND

- TRAFFIC FLOW
- DRIVEWAY NUMBER
- PROPOSED ROW
- EXIST ROW
- CONSTRUCTION LIMITS
- SODDING
- CONCRETE MEDIAN
- TRUCK APRON (12" REINFORCED CONCRETE PAVEMENT)
- CONCRETE RIP RAP

NOTES:  
 1. CONTRACTOR TO POTHOLE AND VERIFY DEPTH OF EXISTING ELECTRICAL CONDUIT AND FIBER OPTIC DUCT AND PROTECT UTILIZING CONCRETE CAP DETAIL ON THIS SHEET. THIS WORK SHALL BE PAID FOR DIRECTLY UNDER ITEM 407.1 CONCRETE ENCASEMENT.  
 2. CONTRACTOR TO PROTECT EXISTING ILLUMINATION POLES IN PLACE.



FREES AND NICHOLS, INC.  
 TEXAS REGISTERED ENGINEERING FIRM F-2144

01/09/2024  
 BREGGER A. GARRISON  
 LICENSED PROFESSIONAL ENGINEER  
 122018

NO.	DATE	REVISION	APPROVED BY
1	01/09/24	ADDENDUM NO. 1	BAG

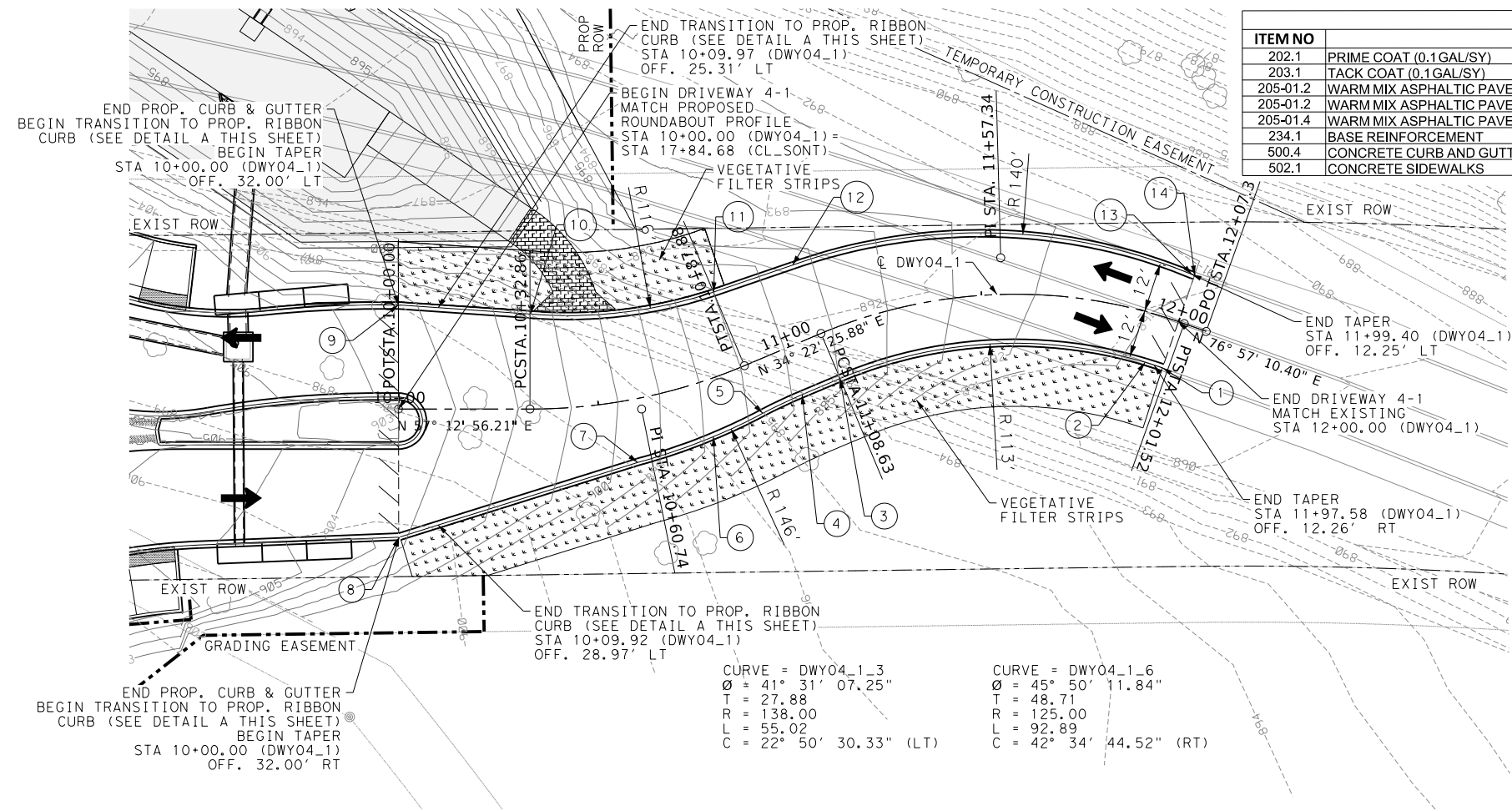
Freese and Nichols, Inc.  
 Texas Registered Engineering Firm F-2144  
**FREES AND NICHOLS**  
 9601 McAllister Freeway, Suite 1008  
 San Antonio, Texas 78216  
 Phone - (210) 298-3800  
 web - www.freese.com

CITY OF SAN ANTONIO  
 PUBLIC WORKS DEPARTMENT

SONTERRA ROAD EXTENSION  
 DRIVEWAY 3-1  
 PLAN & PROFILE

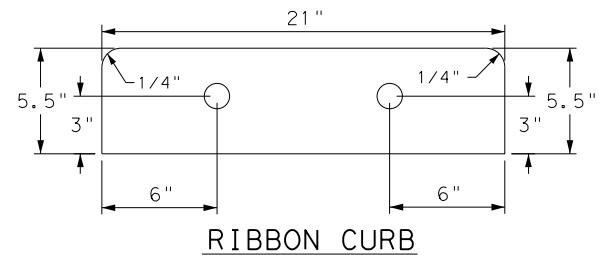
100% SUBMITTAL	PROJECT NO.: 23-01849	DATE: 01/09/2024
DRWN. BY: JL	DSGN. BY: NS	CHKD. BY: BAG
		SHEET 85 OF 208

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 Plot Scale: 40,000.00  
 Date: Jan 09, 2024 - 05:24:48 PM Project: Freese and Nichols, Inc.



DRIVEWAY 4-1 QUANTITIES			
ITEM NO	DESCRIPTION	UNIT	QUANTITY
202.1	PRIME COAT (0.1 GAL/SY)	GAL	85
203.1	TACK COAT (0.1 GAL/SY)	GAL	144
205-01.2	WARM MIX ASPHALTIC PAVEMENT, TYPE B (2.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	848
205-01.2	WARM MIX ASPHALTIC PAVEMENT, TYPE B (3.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	720
205-01.4	WARM MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)(NO RAP)(NO RAS)(PG 76-22)	SY	720
234.1	BASE REINFORCEMENT	SY	848
500.4	CONCRETE CURB AND GUTTER	LF	402
502.1	CONCRETE SIDEWALKS	SY	8

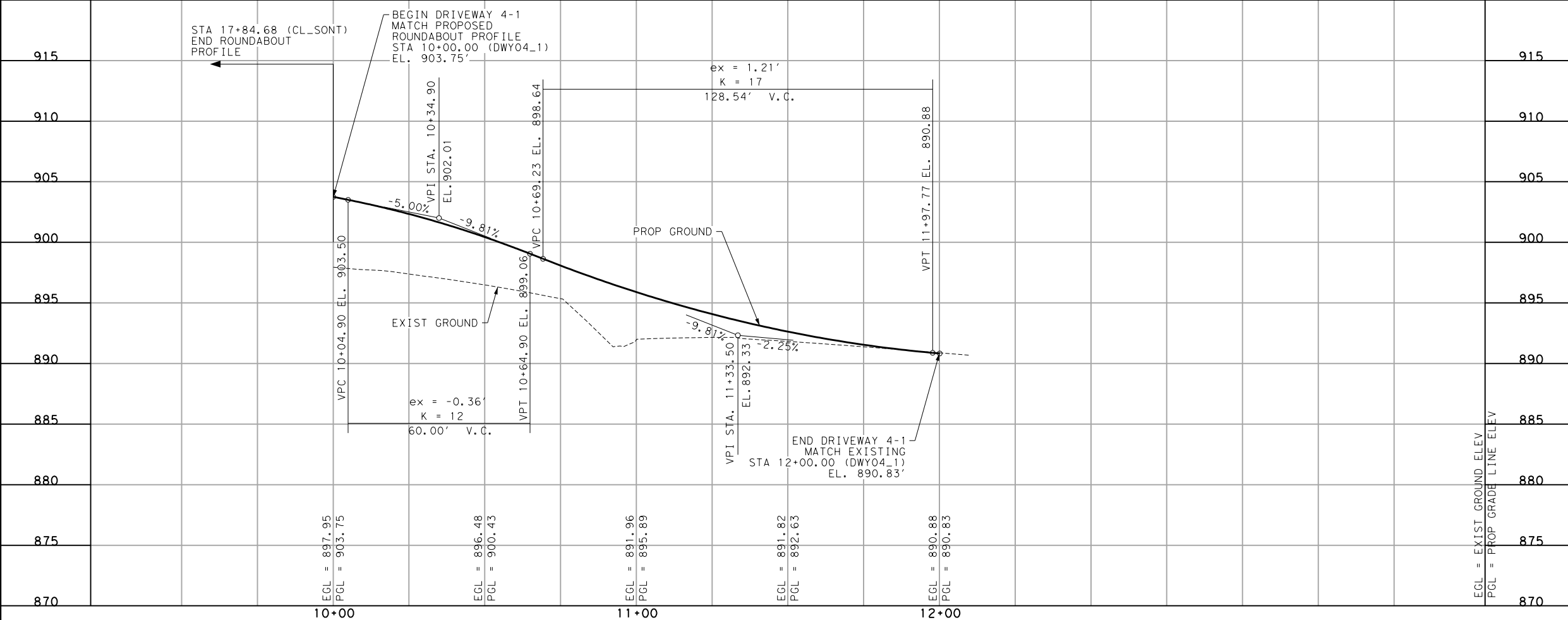
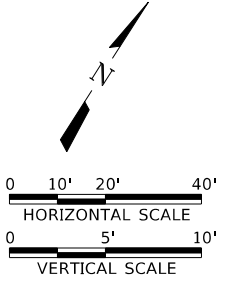
DRIVEWAY 4-1				
NUMBER	ALIGNMENT	STATION	OFFSET	ELEVATION
1	CL DWY04_1	12+00.00	12.25' RT	890.73
2	CL DWY04_1	11+94.94	12.25' RT	890.85
3	CL DWY04_1	11+08.63	12.25' RT	894.98
4	CL DWY04_1	10+98.33	12.25' RT	895.78
5	CL DWY04_1	10+87.49	12.74' RT	896.69
6	CL DWY04_1	10+75.10	13.97' RT	897.79
7	CL DWY04_1	10+57+13	15.72' RT	899.48
8	CL DWY04_1	10+00.00	32.00' RT	903.10
9	CL DWY04_1	10+00.00	26.00' LT	903.21
10	CL DWY04_1	10+32.96	23.73' LT	901.44
11	CL DWY04_1	10+87.88	19.94' LT	896.99
12	CL DWY04_1	11+08.63	18.51' LT	895.31
13	CL DWY04_1	11+99.40	12.25' LT	891.14
14	CL DWY04_1	12+00.00	12.25' LT	891.13



- CONSTRUCTION CONTROL JOINTS AT 10'-0" SPACING ALONG LENGTH OF CURB.
- REINFORCING STEEL SHALL BE #3 BARS.
- CONCRETE WILL BE 3000 PSI VIBRATED IN PLACE.
- CONSTRUCT EXPANSION JOINTS AT A MAXIMUM OF 40'-0" ALONG THE LENGTH OF CURB.

### LEGEND

- TRAFFIC FLOW
- DRIVEWAY NUMBER
- PROPOSED ROW
- EXIST ROW
- CONSTRUCTION LIMITS
- SODDING
- CONCRETE MEDIAN
- TRUCK APRON (12" REINFORCED CONCRETE PAVEMENT)
- CONCRETE RIP RAP



FREESE AND NICHOLS, INC.  
TEXAS REGISTERED ENGINEERING FIRM F-2144

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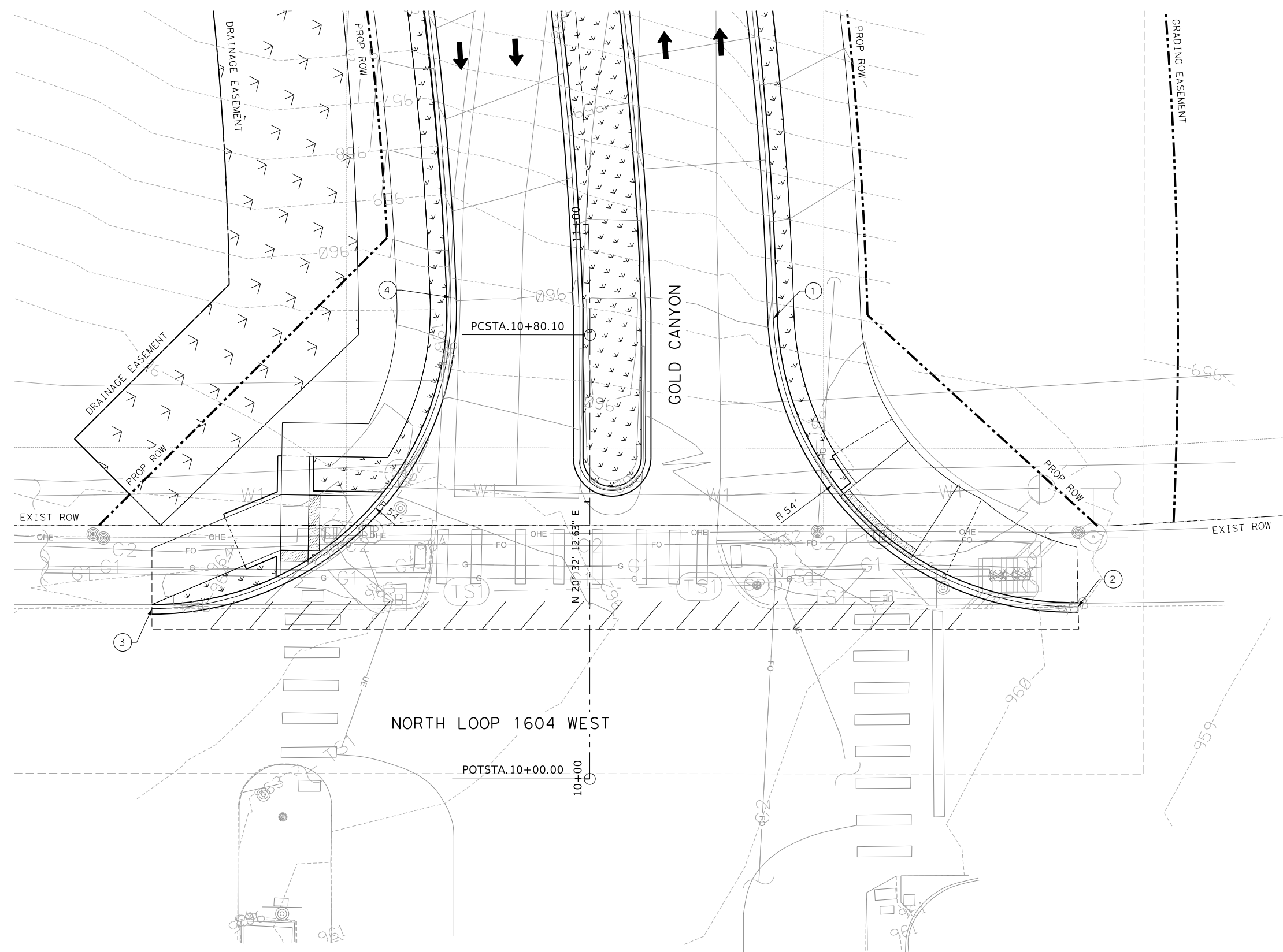
Freese and Nichols, Inc.  
 Texas Registered Engineering Firm F-2144  
 9601 McAllister Freeway, Suite 1008  
 San Antonio, Texas 78216  
 Phone - (210) 298-3800  
 web - www.freese.com

**CITY OF SAN ANTONIO**  
 PUBLIC WORKS DEPARTMENT

**SONTERRA ROAD EXTENSION**  
**DRIVEWAY 4-1**  
**PLAN & PROFILE**

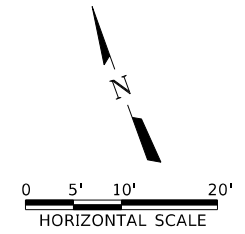
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DRWN. BY: J.L.	DSGN. BY: NS	CHKD. BY: BAG
		SHEET 86 OF 208

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 Date: Jan 09, 2024 03:22:04 PM Project: Freese and Nichols, Inc.



**LEGEND**

- TRAFFIC FLOW
- DRIVEWAY NUMBER
- PROPOSED ROW
- EXIST ROW
- CONSTRUCTION LIMITS
- SODDING
- CONCRETE MEDIAN
- TRUCK APRON (12" REINFORCED CONCRETE PAVEMENT)
- CONCRETE RIP RAP



PT NO.	STATION	CHAIN	OFFSET	ELEVATION
1	10+82.92	CL_GOLD	33.07 RT	960.11
2	10+31.11	CL_GOLD	88.04 RT	960.01
3	10+30.67	CL_GOLD	78.98 LT	963.76
4	10+87.11	CL_GOLD	25.06 LT	960.08

FREESE AND NICHOLS, INC.  
TEXAS REGISTERED ENGINEERING FIRM F-2144

01/09/2024

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1	01/09/24	ADDENDUM NO. 1	BAG

Freese and Nichols, Inc.  
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 9601 McAllister Freeway, Suite 1008  
 San Antonio, Texas 78216  
 Phone - (210) 298-3800  
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**CITY OF SAN ANTONIO**  
 PUBLIC WORKS DEPARTMENT

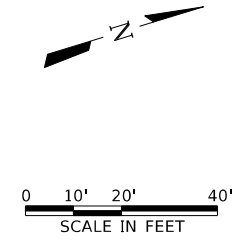
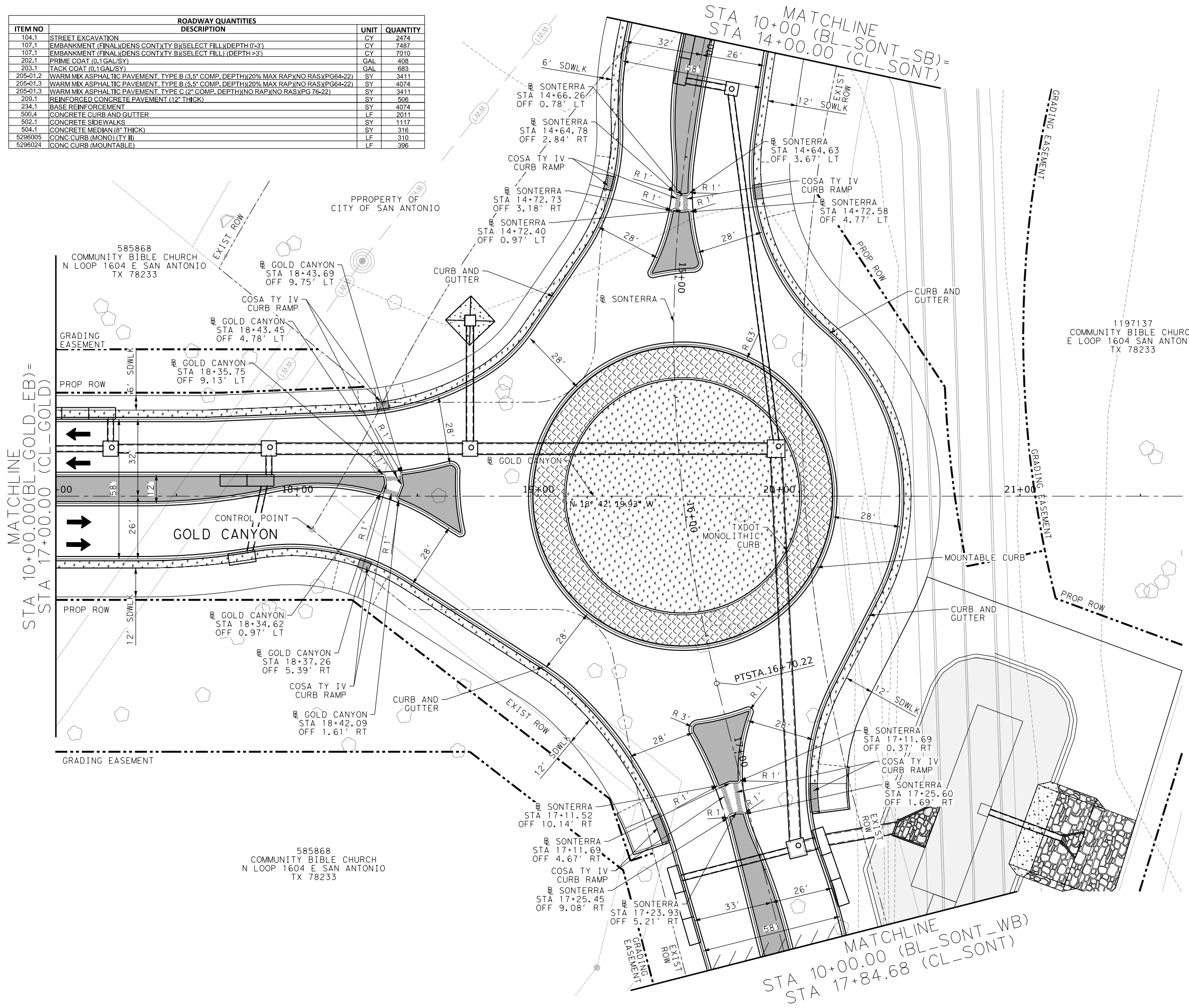
**SONTERRA ROAD EXTENSION**  
**INTERSECTION**  
**LAYOUT**  
**GOLD CANYON & N LOOP 1604 WEST**

100% SUBMITTAL	PROJECT NO.: 23-01849	DATE: 01/09/2024
DRWN. BY: JL	DSGN. BY: NS	CHKD. BY: BAG
		SHEET 87 OF 208

ITEM NO	ROADWAY QUANTITIES DESCRIPTION	UNIT	QUANTITY
104.1	STREET EXCAVATION	CY	2474
107.1	EMBANKMENT (FINAL)(DENS CONT)(TY B)(SELECT FILL)(DEPTH 0'-3')	CY	7487
107.1	EMBANKMENT (FINAL)(DENS CONT)(TY B)(SELECT FILL)(DEPTH >3')	CY	7010
202.1	PRIME COAT (0.1 GAL/SY)	GAL	408
203.1	TACK COAT (0.1 GAL/SY)	GAL	683
205-01.2	WARM MIX ASPHALTIC PAVEMENT, TYPE B (3.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	3411
205-01.3	WARM MIX ASPHALTIC PAVEMENT, TYPE B (6.5" COMP. DEPTH)(20% MAX RAP)(NO RAS)(PG64-22)	SY	4074
205-01.3	WARM MIX ASPHALTIC PAVEMENT, TYPE C (2" COMP. DEPTH)(NO RAP)(NO RAS)(PG 76-22)	SY	3411
209.1	REINFORCED CONCRETE PAVEMENT (12" THICK)	SY	506
234.1	BASE REINFORCEMENT	SY	4074
500.4	CONCRETE CURB AND GUTTER	LF	2011
502.1	CONCRETE SIDEWALKS	SY	1117
504.1	CONCRETE MEDIAN (8" THICK)	SY	316
5296005	CONC CURB (MONO) (TY II)	LF	310
5296024	CONC CURB (MOUNTABLE)	LF	396

**LEGEND**

- ← TRAFFIC FLOW
- (x-x) DRIVEWAY NUMBER
- PROPOSED ROW
- EXIST ROW
- /// CONSTRUCTION LIMITS
- [Pattern] SODDING
- [Pattern] CONCRETE MEDIAN
- [Pattern] TRUCK APRON (12" REINFORCED CONCRETE PAVEMENT)
- [Pattern] CONCRETE RIP RAP



FREES AND NICHOLS, INC.  
TEXAS REGISTERED ENGINEERING FIRM F-2144

01/09/2024

NO.	DATE	REVISION	APPROVED BY
1	01/09/24	ADDENDUM NO. 1	BAG

**FREES AND NICHOLS**  
 9601 McAllister Freeway, Suite 1008  
 San Antonio, Texas 78216  
 Phone - (210) 298-3800  
 web - www.freese.com

**CITY OF SAN ANTONIO**  
 PUBLIC WORKS DEPARTMENT

**SONTERRA ROAD EXTENSION**  
**ROUNDBOUT LAYOUT**

100% SUBMITTAL	PROJECT NO.: 23-01849	DATE: 01/09/2024
DRWN. BY: JL	DSGN. BY: NS	CHKD. BY: BAG
		SHEET 91 OF 208

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 Date: Jan 09, 2024 - 03:22:46 PM Project: Freese and Nichols, Inc.

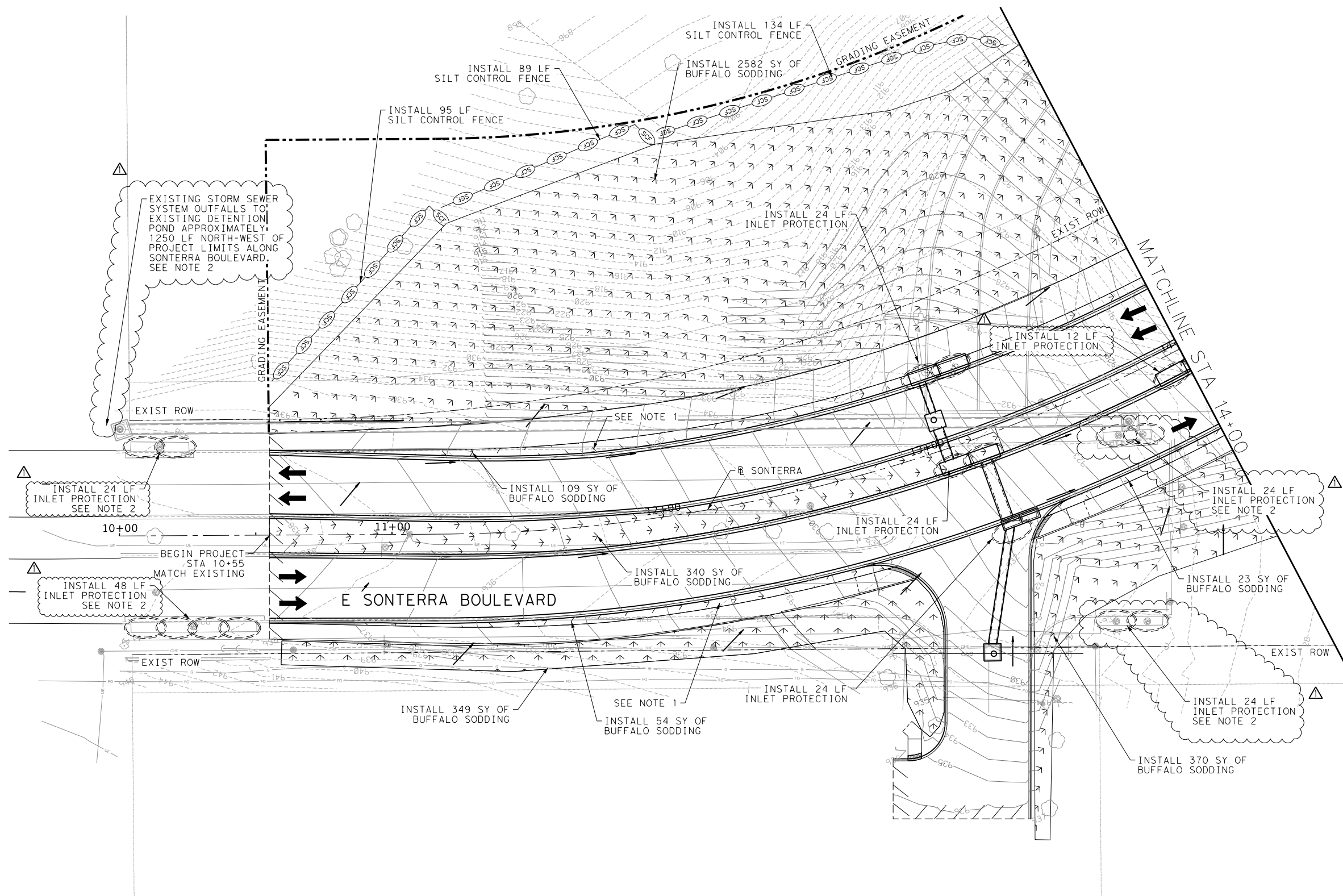
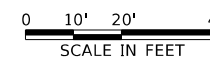
SW3P QUANTITIES			
ITEM NO	DESCRIPTION	UNIT	QUANTITY
515.1	TOPSOIL (4")	CY	426
516.3	BUFFALO SODDING	SY	3827
540.9	TEMPORARY SEDIMENT CONTROL FENCE	LF	318
540.1	CURB INLET GRAVEL FILTERS	LF	204

**LEGEND**

- INLET PROTECTION
- SEDIMENT CONTROL FENCE
- FLOW ARROW
- ROCK FILTER DAM
- BUFFALO SODDING
- 930- EXISTING CONTOURS
- 930- PROPOSED CONTOURS

NOTES:  
 1. VEGETATIVE FILTER STRIPS ARE DEPICTED IN THE SONTERRA ROAD EXTENSION PHASE 1 DRAINAGE REPORT AND WPAP AND CAN BE REFERENCED FOR LIMITS. APPROVED MAINTENANCE PLAN FOR THE VEGETATIVE FILTER STRIPS ARE PROVIDED IN THE SONTERRA ROAD EXTENSION PHASE 1 WPAP.

2. THE CONTRACTOR SHALL PROTECT THE EXISTING STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS AND ON SONTERRA BOULEVARD FROM ANY SEDIMENT OR OTHER UNPERMITTED MATERIALS ENTERING THE STORM SEWER SYSTEM OR LOCAL DETENTION BASIN. IN THE EVENT THAT SEDIMENT OR OTHER UNPERMITTED MATERIALS DO ENTER THE EXISTING STORM SEWER SYSTEM OR DETENTION BASIN IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN AND REPAIR THE EXISTING STORM SEWER SYSTEM AND/OR DETENTION BASIN AT THE CONTRACTORS OWN EXPENSE.



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 Date: Jan 09, 2024 10:15:50 AM Project: Freese and Nichols, Inc.

FREESE AND NICHOLS, INC. TEXAS REGISTERED ENGINEERING FIRM F-2144			
NO:	DATE:	REVISION:	APPROVED BY:
▲	01/09/24	ADDENDUM NO. 1	NRS
Freese and Nichols, Inc. Texas Registered Engineering Firm F-2144 <b>FREESE AND NICHOLS</b> 9601 McAllister Freeway, Suite 1008 San Antonio, Texas 78216 Phone - (210) 298-3800 web - www.freese.com			
<b>CITY OF SAN ANTONIO</b> PUBLIC WORKS DEPARTMENT			
<b>SONTERRA ROAD EXTENSION</b> <b>STORM WATER POLLUTION PREVENTION PLAN (SW3P)</b> BEGIN TO STA 14+00			
100% SUBMITTAL	PROJECT NO.:	23-01849	DATE: 01/09/2024
DRWN. BY: JL	DSGN. BY: NS	CHKD. BY: BAG	SHEET 147 OF 208

CPS ILLUMINATION  
BID INFORMATION



CITY OF SAN ANTONIO

SONTERRA EXTENSION (SONTERRA TO LP 1604)  
Project No. 23-03917



CPS PRE-APPROVED CONTRACTORS

*Illumination work included in this project shall be performed by a contractor pre-approved by CPS Energy to do the work. A list of pre-approved contractors follows:*

Contractor Name	Point of Contact	Contact Number	Contact Email
HJD Capital Electric, Inc	Ed Belmares	210-681-0954	<a href="mailto:ebelmares@hjdcapital.com">ebelmares@hjdcapital.com</a>
Zachry Underground & Utility Services Inc	Curtis Schwartz	210-6871-3979	<a href="mailto:Curtis.Schwartz@zachrycorp.com">Curtis.Schwartz@zachrycorp.com</a>
Greenstone Electrical Services LLC	Carl Williams	830-370-5560	<a href="mailto:carl@greenstoneelectric.com">carl@greenstoneelectric.com</a>
Miller Bros	Scott Barrow	210-416-9816	<a href="mailto:sbarrow@millerbros.us">sbarrow@millerbros.us</a>
Bartek Construction	Casey Bartek	210-827-0563	<a href="mailto:casey@bartektx.com">casey@bartektx.com</a>
Mastec Utility Construction	Elias Delgado	210-669-6033	<a href="mailto:elias.delgado@mastec.com">elias.delgado@mastec.com</a>



CITY OF SAN ANTONIO

SONTERRA EXTENSION (SONTERRA TO LP 1604)  
Project No. 23-03917



CPS ILLUMINATION QUANTITIES TO BE BID

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES
<b>CPS ENERGY - BASE BID</b>						
	1			Trenching & Installation on secondary streetlight conduit		
				Trench 5" wide by 38.5" deep (36" of cover)	LF	2197
				PVC Conduit 2-1/2" Diameter (Schedule 40) (Not Provided by CPS Energy)	LF	2145
	2			Installation of Flowable Backfill for trench		
				Flowable backfill (Not Provided by CPS Energy)	CY	101
	3			Civic Street Restoration Adjustment when required. ONLY to be used as directed by CPS Representative		
				Flowable Fill 150 psi (COSA Item 413)	CY	
				Temporary Street Restoration	SY	
				Concrete Sidewalks (COSA Item 502)	SY	
	4			Installation of CPS Energy Streetlight Foundation		
				Foundation install labor only (material provided by CPS Energy)	EA	14
	5			Installation of Secondary Enclosure (Provided by CPS Energy)		
				Install of Secondary Enclosure (Flat / flush to ground level type)	EA	2



**City of San Antonio  
Public Works Department**

**Pre-bid Meeting Minutes (FINAL)  
COSA Project No.: 23-03917**

**PROJECT:** Sonterra Rd Ext (Sonterra to Loop 1604)

**DATE:** December 20, 2023 10:30 am to 11:30 am

**I. Project Background/ Project Scope:**

- a. General Scope: Construct a roadway extension including sidewalks, curbs, driveway approaches, drainage, roundabout, traffic signal modifications, water quality items, and other improvements as applicable and within available funding.
- b. Design Consultant: Freese and Nichols, Inc
  - i. Bregger Garrison, P.E.
  - ii. Nick Smaus, P.E.

**II. Construction Scope**

- a. Cost Estimate: \$5,793,110.75
  - COSA: \$5,529,016.00
  - SAWS Water: \$128,920.75
  - SAWS Sewer \$21,712.00
  - CPS Illumination: \$113,462.00
- b. Utility Report - Overview of utility status
  - i. SAWS – Joint Bid Water and Sanitary Sewer Adjustments
    - 1. WPAP for project.
    - 2. SCS permit was not needed since TCEQ considered this a maintenance project.
  - ii. CPS – Pole Relocations at LP 1604 @ Gold Canyon
  - iii. AT&T – Underground fiber optic lines crossing Gold Canyon near LP 1604 and driveway 3-1 (Sanitkos) on Sonterra Boulevard. The crossing along Sonterra Boulevard will be protected with a concrete cap and crossing at Gold Canyon will be protected in place.
  - iv. Spectrum – Underground fiber optic lines along Sonterra Boulevard will be protected in place with a concrete cap at driveway 3-1. Coordination with Spectrum is ongoing to relocate overhead lines along Gold Canyon to new CPS pole locations.
  - v. Zayo – Underground line in AT&T duct bank along LP 1604. Will be protected in place.

- vi. Others – Overhead lines owned by Grande along LP 1604 will be relocated to new CPS pole locations.
  - vii. Utility relocations related to the TxDOT LP 1604 project will be ongoing
- c. Construction Team - Introductions
    - i. PM Team – Katy Otto, Brenton Burney
    - ii. PWD Inspector –
      - 1. Chris Robbles (Head Inspector)
      - 2. Adam Aguilar, Ricky Esparza
  - d. Utility Inspectors
    - i. SAWS
      - 1. Zach Ostrander
    - ii. CPS
      - 1.

### III. Additional information

- a. CPS Illumination
  - i. Prime contractor must use one of the CPS pre-qualified subcontractors as noted in the CPS portion of the specification book/project manual
  - ii. Contractor will be responsible for coordinating with CPS
  - iii. Contractor will be responsible for installing conduit, streetlight foundations, and boxes, as shown in CPS Sketch
  - iv. CPS will remove existing illumination poles and install new conductors and streetlight assemblies
- b. Special Coordination will be required with Community Bible Church regarding access points.
- c. Traffic Control Phasing:
  - i. Phase 1 – Sonterra and Roundabout construction
  - ii. Phase 2 – Gold Canyon outside of existing driveways and roadways
  - iii. Phase 3, Step 1 – West side of Gold Canyon tie-in
  - iv. Phase 3, Step 2 – East side of Gold Canyon tie-in
  - v. Phase 4 – Final Median Construction on Gold Canyon
  - vi. Phase 5 – Final Surface / Clean up
- d. There are special coordination notes regarding the Legacy Shopping Center (owned by Santikos) including the driveway, existing trees, utilities, and irrigation.
- e. The west end of the project is governed by an existing WPAP. Contractor will need to take special care with construction in the area.
- f. A new batch detention pond will be constructed as part of this project
- g. Embankment
  - i. Supplemental general notes have been provided in the plans for the necessary embankment requirements for the project. The embankment has been subdivided into two areas with different requirements: the first area is 0'-3' below the pavement; the second area is 3' and greater. Contractor should review the requirements of each type of embankment.
- h. Addendum 1 will be posted January 12, 2024 which will include:
  - i. Revised number of Project signs: 4
    - 1. Revised Specification
  - ii. Update to SW3P Items
    - 1. Notes regarding the existing WPAP permit and water quality requirements
  - iii. Answers to questions
    - 1. Last date for questions: 4:00 PM, January 5, 2024
  - iv. Meeting minutes and sign-in will be issued

- i. Questions and Answers:
  - i. Question 1: Casey Tropp
    - 1. Q: Embankment Specifications for 0'-3', can you use 1 type of fill all the way down? Specifically question about CBR and what it means for quality of embankment.
    - 2. A: CBR is the "California Bearing Ratio" and a way to measure strength of subgrade. Please provide any specific questions regarding the embankment or embankment supplemental general notes online so specific answers can be provided.
  - ii. Question 2: Manny
    - 1. Q: Is the total SBEDA goal 20%? Or does the 2% of AABE count towards the 20%, making the total goal 18%?
    - 2. A: Total is 20%, so 2% is AABE and the other 18% is SBEDA
  - iii. Question 3: Casey Tropp
    - 1. Q: For the waiver request, do we have to reach out to 5 subs for of each type of work on waiver?
    - 2. A: Patricia will follow up with more information.
- j. Bid Opening on January 19, 2024 @ 2 P.M via WebEx