

LEGEND OF UTILITY SYMBOLS

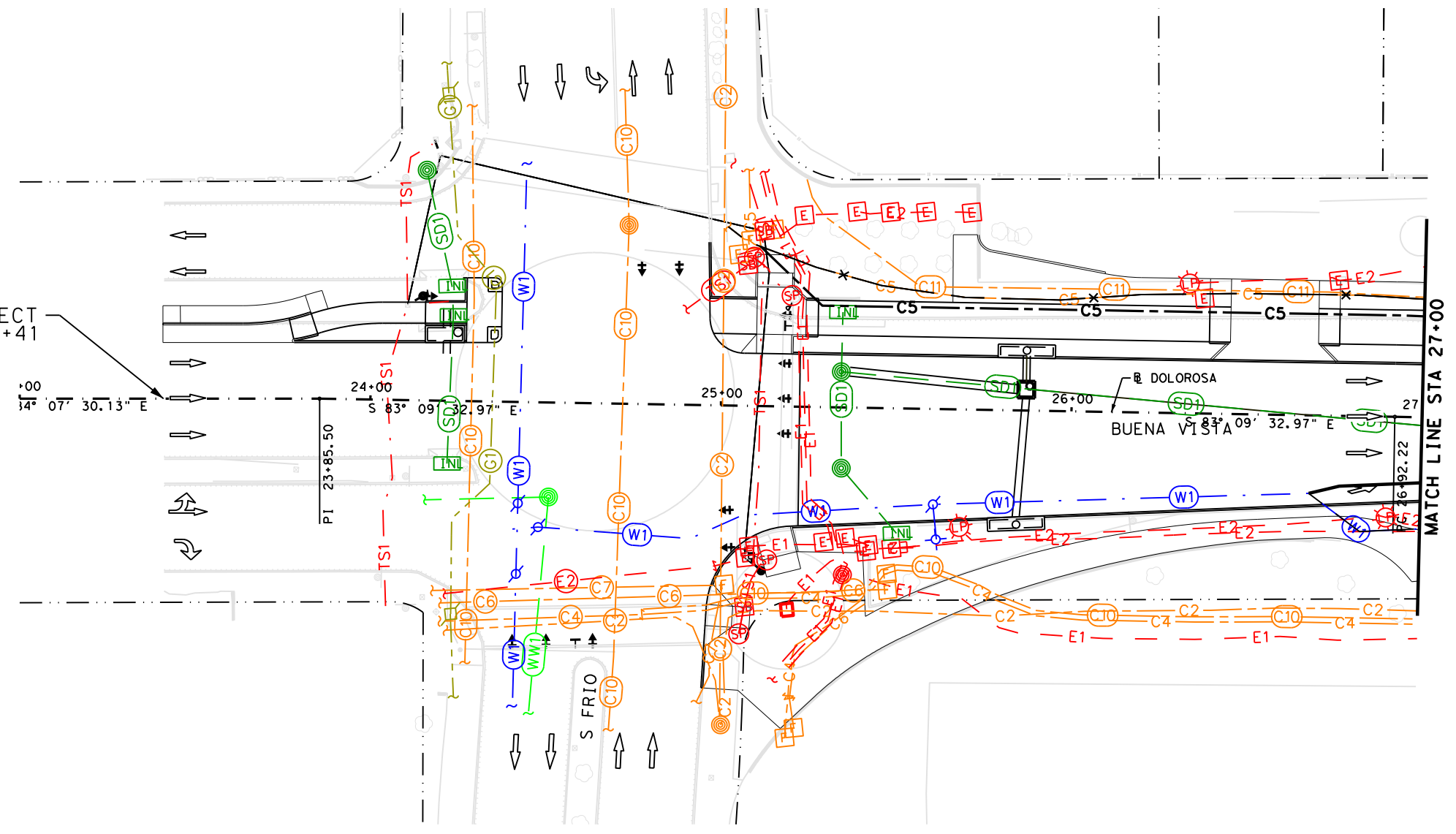
END CAP	C	LIGHT POLE	⊕
QUALITY LEVEL CHANGE	⊕	GROUND LIGHT	⊕
TEST HOLE	⊕	SIGNAL POLE	⊕
UTILITY CONTINUATION	⊕	SIGNAL HANDHOLE/BOX	⊕
CATV CABINET	C	TRANSMISSION POLE	⊕
CATV HANDHOLE	C	GAS METER	⊕
CATV PEDESTAL	C	GAS TEST STATION	⊕
FIBER HANDHOLE	F	GAS VALVE	⊕
TELEPHONE CABINET	T	GAS VENT PIPE (GAS RISER)	⊕
TELEPHONE HANDHOLE (VAULT)	T	STORM INLET	⊕
TELEPHONE MANHOLE	T	STORM OUTFALL	⊕
TELEPHONE PEDESTAL	T	STORM MANHOLE	⊕
TELEPHONE POLE	T	WASTE WATER CLEANOUT	⊕
TELEPHONE POLE W/RISER	T	WASTE WATER MANHOLE	⊕
ELECTRIC HANDHOLE	E	FIRE HYDRANT	⊕
ELECTRIC JUNCTION BOX (CABINET)	E	WATER MANHOLE	⊕
ELECTRIC MANHOLE	E	WATER METER	⊕
ELECTRIC POLE (POWER)	E	WATER VALVE	⊕
ELECTRIC POLE W/RISER	E	WATER VAULT	⊕
ELECTRIC METER	E		

LEGEND

---	EXIST ROW
---	UTSA CONDUIT (JOINT BID)
---	COSA ITS D CONDUIT (JOINT BID)
---	CPS ENERGY ELECTRIC (JOINT BID)
---	CPS ENERGY GAS (JOINT BID)
---	SAWS WATER (JOINT BID)

- NOTES:
- UTILITY IDENTIFICATION IS OF VARYING QUALITY LEVEL; QL B OR QL C/D. IT IS THE CONTRACTORS RESPONSIBILITY TO IDENTIFY, LOCATE, AND EXPOSE AS NECESSARY.
 - SEE JOINT BID PLANS FOR ADDITIONAL INFORMATION.

BEGIN PROJECT STA 23+41



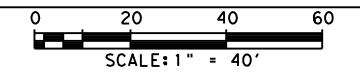
MATCH LINE STA 27+00

DESIGN

INTERIM REVIEW	
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.	
ENGINEER:	STEVEN J. TATE
P.E. SERIAL NO:	131443
DATE:	1/24/2023

APPROVAL

INTERIM REVIEW	
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.	
ENGINEER:	JOHN A. TYLER
P.E. SERIAL NO:	105193
DATE:	1/24/2023



LEGEND OF UTILITY TYPES

COMMUNICATIONS	QL "B"	QL "C"/QL "D"	ELECTRIC / POWER	QL "B"	QL "C"/QL "D"	SANITARY SEWER	QL "B"	POTABLE WATER	QL "B"
AT&T (TELE)	C1	C1	CPS ENERGY	E1	E1	SAWS	W1	SAWS	W1
AT&T (FO/DUCT)	C2	C2	COSA	E2	E2	SAWS	W1	SAWS	W1
TXDOT (FO/DUCT)	C3	C3	TXDOT	E3	E3				
SPECTRUM (FO/DUCT)	C4	C4	CPS ENERGY	E1	E1	STORM DRAIN	SD1	TXDOT/COSA	TS1
COSA (FO/DUCT)	C5	C5	COSA	E2	E2	COSA	SD1	TXDOT/COSA	TS1
CONterra (FO/DUCT)	C6	C6	TXDOT	E3	E3	COSA	SD2		
UPN (FO/DUCT)	C7	C7				TXDOT			
EXTENET (FO/DUCT)	C8	C8	GAS / PETROLEUM	G1	G1			ABANDONED UTILITY	
FIBERLIGHT (FO/DUCT)	C9	C9	CPS ENERGY					PROPOSED UTILITY	
CENTURYLINK (FO/DUCT)	C10	C10	CPS ENERGY					UNKNOWN UTILITY	
MCI (TELE)	C11	C11							

PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT

DOLOROSA
UTILITY LAYOUT
 BEGIN PROJECT TO STA 27+00

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	98

Plotted on: 1/24/2023 6:57:48 PM

Design File name: P:\122\27\03\Design\Civil\Utility\1222703_Utility-02.dgn

LEGEND OF UTILITY SYMBOLS

END CAP	C	LIGHT POLE	⊕
QUALITY LEVEL CHANGE	⊕	GROUND LIGHT	⊕
TEST HOLE	⊕	SIGNAL POLE	⊕
UTILITY CONTINUATION	⊕	SIGNAL HANDHOLE/BOX	⊕
CATV CABINET	C	TRANSMISSION POLE	⊕
CATV HANDHOLE	C	GAS METER	⊕
CATV PEDESTAL	C	GAS TEST STATION	⊕
FIBER HANDHOLE	F	GAS VALVE	⊕
TELEPHONE CABINET	T	GAS VENT PIPE (GAS RISER)	⊕
TELEPHONE HANDHOLE (VAULT)	T	STORM INLET	⊕
TELEPHONE MANHOLE	T	STORM OUTFALL	⊕
TELEPHONE PEDESTAL	T	STORM MANHOLE	⊕
TELEPHONE POLE	T	WASTE WATER CLEANOUT	⊕
TELEPHONE POLE W/RISER	T	WASTE WATER MANHOLE	⊕
ELECTRIC HANDHOLE	E	FIRE HYDRANT	⊕
ELECTRIC JUNCTION BOX (CABINET)	E	WATER MANHOLE	⊕
ELECTRIC MANHOLE	E	WATER METER	⊕
ELECTRIC POLE (POWER)	E	WATER VALVE	⊕
ELECTRIC POLE W/RISER	E	WATER VAULT	⊕
ELECTRIC METER	E		

LEGEND

---	EXIST ROW
---	UTSA CONDUIT (JOINT BID)
---	UTSA CONDUIT (JOINT BID)
---	COSA ITSD CONDUIT (JOINT BID)
---	CPS ENERGY ELECTRIC (JOINT BID)
---	CPS ENERGY GAS (JOINT BID)
---	SAWS WATER (JOINT BID)

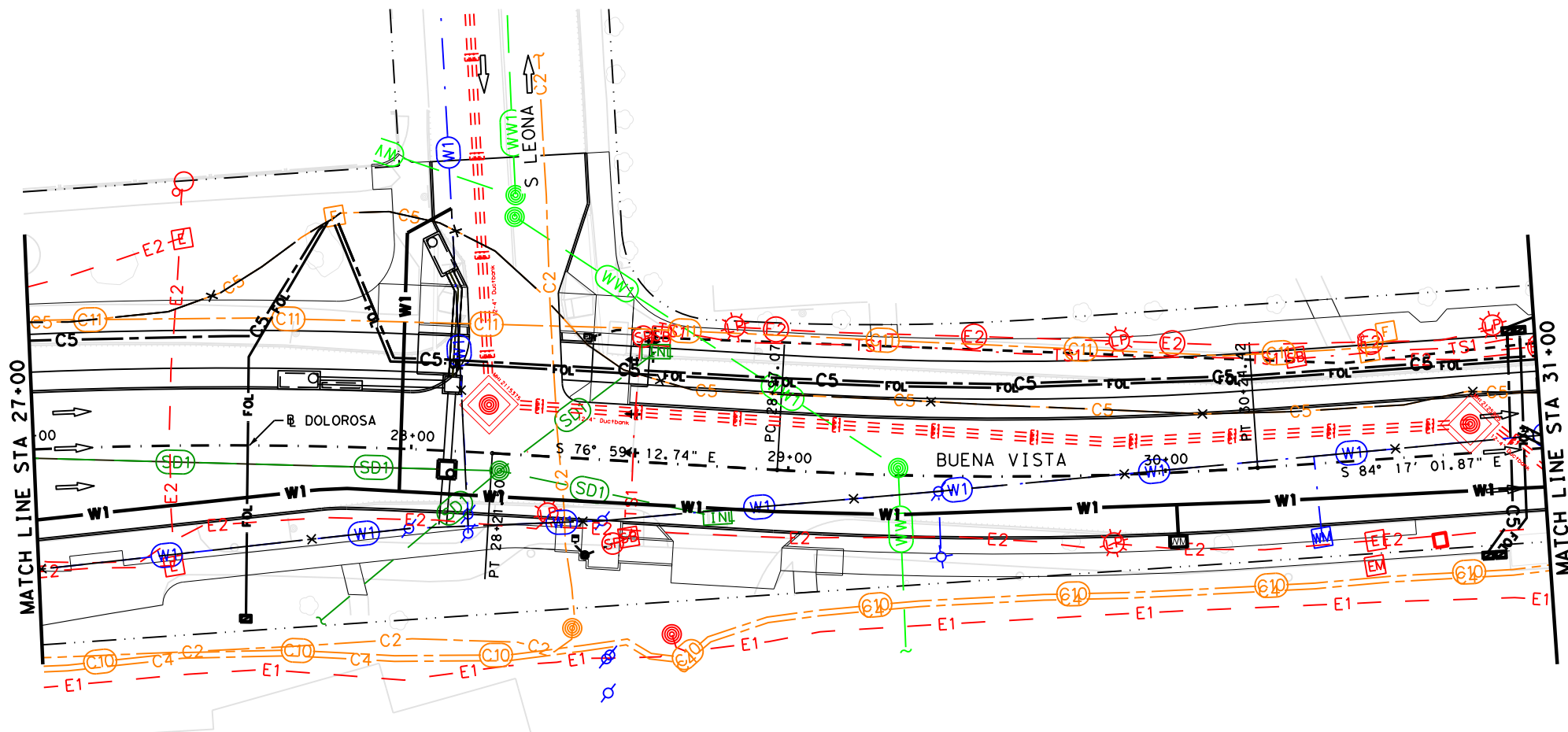
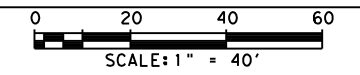
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 2. SEE JOINT BID PLANS FOR ADDITIONAL INFORMATION.

DESIGN

INTERIM REVIEW
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.
ENGINEER: STEVEN J. TATE
P.E. SERIAL NO: 131443
DATE: 1/24/2023

APPROVAL

INTERIM REVIEW
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.
ENGINEER: JOHN A. TYLER
P.E. SERIAL NO: 105193
DATE: 1/24/2023



LEGEND OF UTILITY TYPES

COMMUNICATIONS	QL "B"	QL "C"/QL "D"	ELECTRIC / POWER	QL "B"	SANITARY SEWER	QL "B"	POTABLE WATER	QL "B"
AT&T (TELE)	C1	C1	CPS ENERGY	E1	SAWS	W1	SAWS	W1
AT&T (FO/DUCT)	C2	C2	COSA	E2	SAWS	W1	SAWS	W1
TXDOT (FO/DUCT)	C3	C3	TXDOT	E3				
SPECTRUM (FO/DUCT)	C4	C4	CPS ENERGY	E1	STORM DRAIN	SD1	TXDOT/COSA	TS1
COSA (FO/DUCT)	C5	C5	COSA	E2	COSA	SD1	TXDOT/COSA	TS1
CONTRERRA (FO/DUCT)	C6	C6	TXDOT	E3	COSA	SD1		
UPN (FO/DUCT)	C7	C7	CPS ENERGY	G1	TXDOT	SD2	ABANDONED UTILITY	
EXTENET (FO/DUCT)	C8	C8	COSA	G1	TXDOT	SD2	PROPOSED UTILITY	
FIBERLIGHT (FO/DUCT)	C9	C9	TXDOT	G1			UNKNOWN UTILITY	
CENTURYLINK (FO/DUCT)	C10	C10						
MCI (TELE)	C11	C11						

REV. NO.	DATE	DESCRIPTION	BY

PAPE-DAWSON ENGINEERS
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT

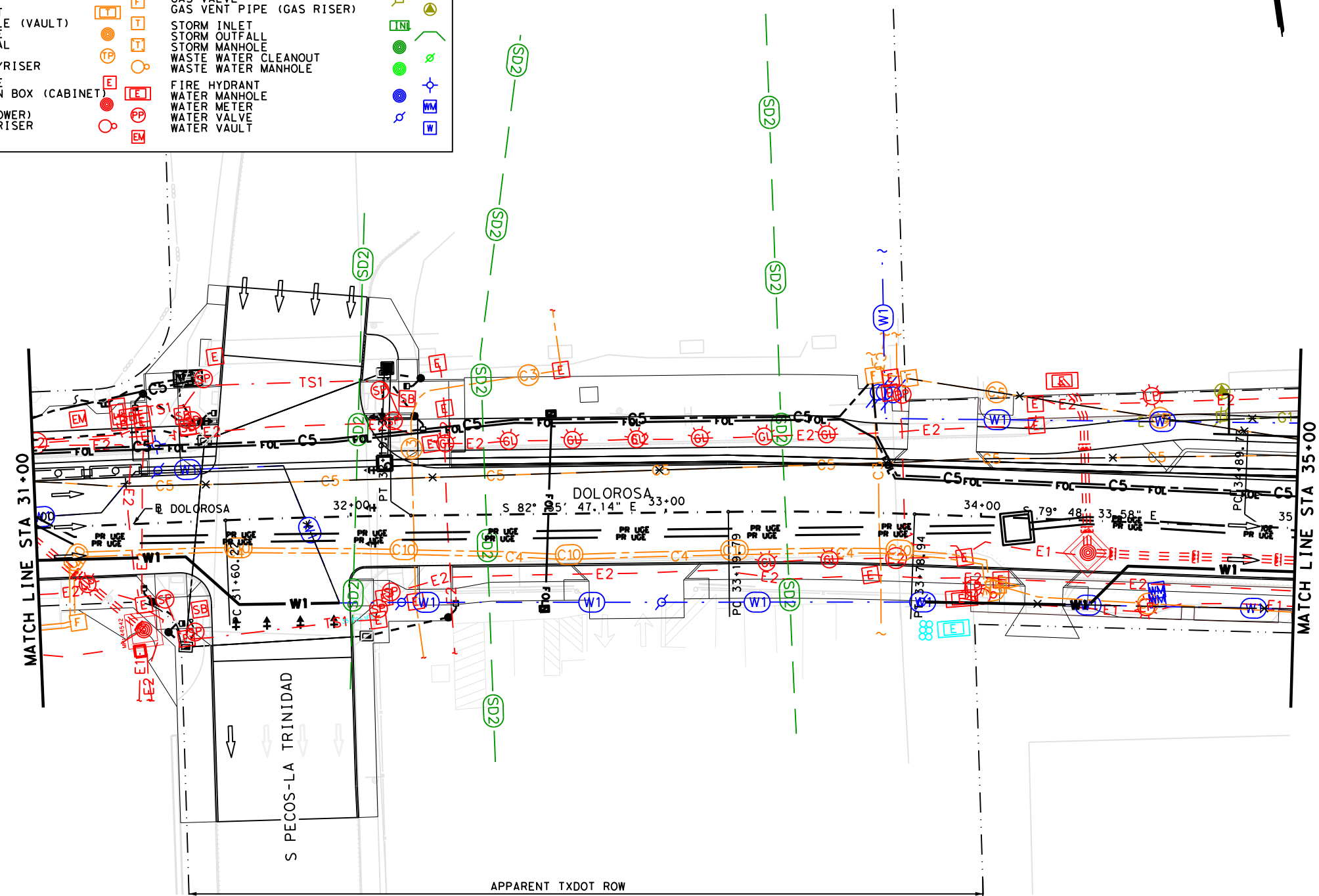
DOLOROSA
UTILITY LAYOUT
 STA 27+00 TO STA 31+00

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	99

Plotted on: 1/24/2023 6:57:51 PM

Design File name: P:\122\27\03\Design\Civil\Utility\1222703_Utility_03.dgn

LEGEND OF UTILITY SYMBOLS			
END CAP	C	LIGHT POLE	
QUALITY LEVEL CHANGE	↓	GROUND LIGHT	
TEST HOLE	⊙	SIGNAL POLE	
UTILITY CONTINUATION	~	SIGNAL HANDHOLE/BOX	
CATV CABINET	C	TRANSMISSION POLE	
CATV HANDHOLE	C	GAS METER	
CATV PEDESTAL	C	GAS TEST STATION	
FIBER HANDHOLE	F	GAS VALVE	
TELEPHONE CABINET	T	GAS VENT PIPE (GAS RISER)	
TELEPHONE HANDHOLE (VAULT)	T	STORM INLET	
TELEPHONE MANHOLE	T	STORM OUTFALL	
TELEPHONE PEDESTAL	T	STORM MANHOLE	
TELEPHONE POLE	T	WASTE WATER CLEANOUT	
TELEPHONE POLE W/RISER	T	WASTE WATER MANHOLE	
ELECTRIC HANDHOLE	E	FIRE HYDRANT	
ELECTRIC JUNCTION BOX (CABINET)	E	WATER MANHOLE	
ELECTRIC MANHOLE	E	WATER METER	
ELECTRIC POLE (POWER)	E	WATER VALVE	
ELECTRIC POLE W/RISER	E	WATER VAULT	
ELECTRIC METER	E		



LEGEND

---	EXIST ROW
---	UTSA CONDUIT (JOINT BID)
---	COSA ITSD CONDUIT (JOINT BID)
---	CPS ENERGY ELECTRIC (JOINT BID)
---	CPS ENERGY GAS (JOINT BID)
---	SAWS WATER (JOINT BID)

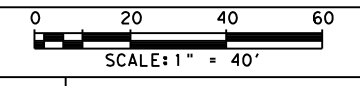
NOTES:
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 2. SEE JOINT BID PLANS FOR ADDITIONAL INFORMATION.

DESIGN

INTERIM REVIEW	
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.	
ENGINEER: STEVEN J. TATE	
P.E. SERIAL NO: 131443	
DATE: 1/24/2023	

APPROVAL

INTERIM REVIEW	
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.	
ENGINEER: JOHN A. TYLER	
P.E. SERIAL NO: 105193	
DATE: 1/24/2023	



LEGEND OF UTILITY TYPES

COMMUNICATIONS		ELECTRIC / POWER		SANITARY SEWER		POTABLE WATER	
AT&T (TELE)	QL "B" C1	AT&T (TELE)	QL "C"/QL "D" C1	CPS ENERGY	QL "B" E1	SAWS	QL "B" W1
AT&T (FO/DUCT)	C2	AT&T (FO/DUCT)	C2	COSA	E2	SAWS	QL "C"/QL "D" W1
TXDOT (FO/DUCT)	C3	TXDOT (FO/DUCT)	C3	TXDOT	E3	SAWS	
SPECTRUM (FO/DUCT)	C4	SPECTRUM (FO/DUCT)	C4				
COSA (FO/DUCT)	C5	COSA (FO/DUCT)	C5	CPS ENERGY	QL "C"/QL "D" E1	STORM DRAIN	QL "B" SD1
CONTERRA (FO/DUCT)	C6	CONTERRA (FO/DUCT)	C6	COSA	E2	COSA	QL "C"/QL "D" SD1
UPN (FO/DUCT)	C7	UPN (FO/DUCT)	C7	TXDOT	E3	TXDOT	QL "B" SD2
EXTENET (FO/DUCT)	C8	EXTENET (FO/DUCT)	C8				QL "C"/QL "D" SD2
FIBERLIGHT (FO/DUCT)	C9	FIBERLIGHT (FO/DUCT)	C9	GAS / PETROLEUM	QL "B" G1		
CENTURYLINK (FO/DUCT)	C10	CENTURYLINK (FO/DUCT)	C10	CPS ENERGY	QL "C"/QL "D" G1		
MCI (TELE)	C11	MCI (TELE)	C11	CPS ENERGY			

REV. NO.	DATE	DESCRIPTION	BY

PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO
 PUBLIC WORKS DEPARTMENT

DOLOROSA

UTILITY LAYOUT

STA 31+00 TO STA 35+00

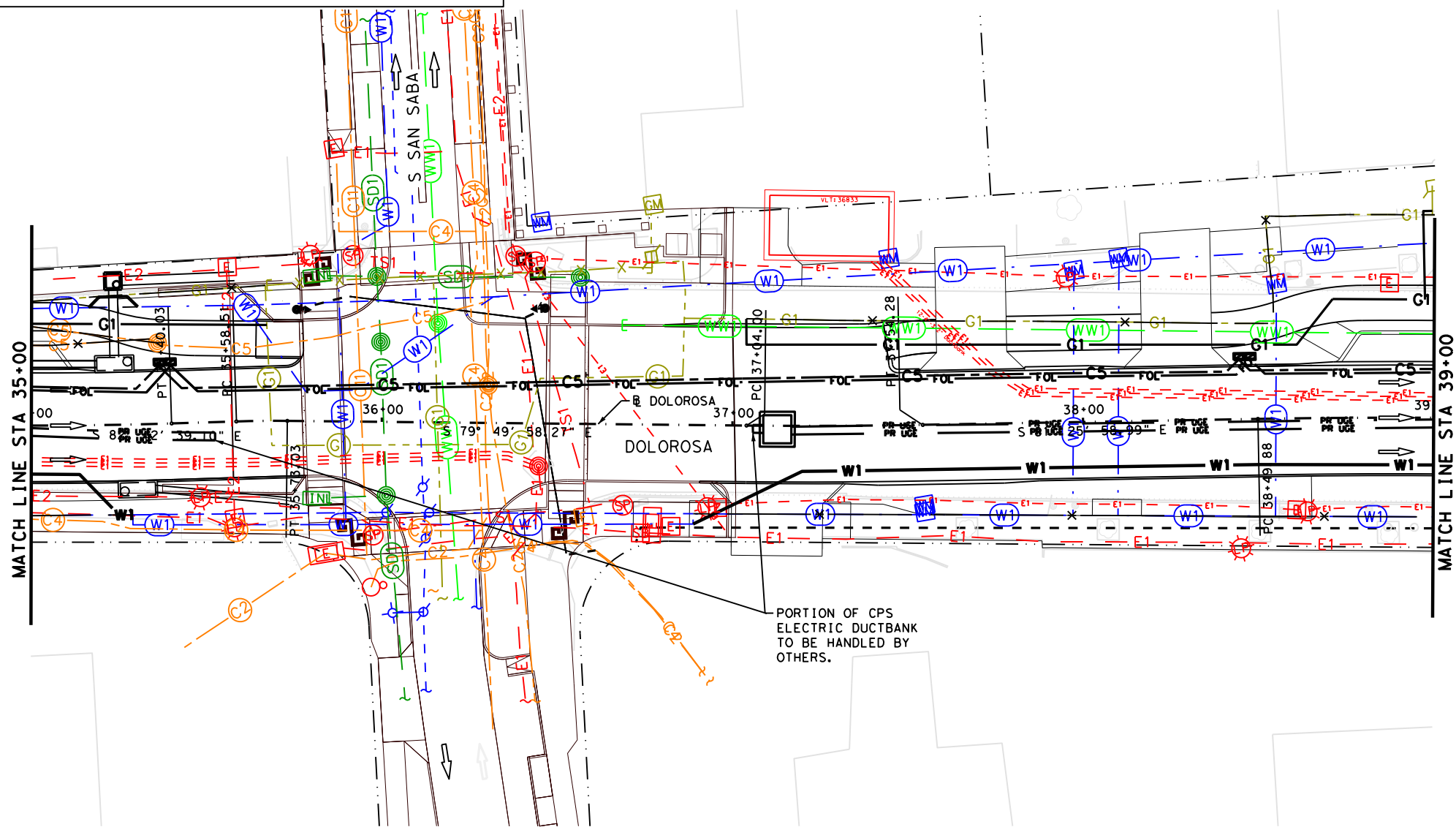
SHEET 3 OF 8

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	100

Plotted on: 1/24/2023 6:57:53 PM

Design File name: P:\122\27\03\Design\Civil\Utility\1222703_Utility-04.dgn

LEGEND OF UTILITY SYMBOLS			
END CAP	C	LIGHT POLE	⊕
QUALITY LEVEL CHANGE	⊕	GROUND LIGHT	⊕
TEST HOLE	⊕	SIGNAL POLE	⊕
UTILITY CONTINUATION	⊕	SIGNAL HANDHOLE/BOX	⊕
CATV CABINET	C	TRANSMISSION POLE	⊕
CATV HANDHOLE	C	GAS METER	⊕
CATV PEDESTAL	C	GAS TEST STATION	⊕
FIBER HANDHOLE	F	GAS VALVE	⊕
TELEPHONE CABINET	T	GAS VENT PIPE (GAS RISER)	⊕
TELEPHONE HANDHOLE (VAULT)	T	STORM INLET	⊕
TELEPHONE MANHOLE	T	STORM OUTFALL	⊕
TELEPHONE PEDESTAL	T	STORM MANHOLE	⊕
TELEPHONE POLE	T	WASTE WATER CLEANOUT	⊕
TELEPHONE POLE W/RISER	T	WASTE WATER MANHOLE	⊕
ELECTRIC HANDHOLE	E	FIRE HYDRANT	⊕
ELECTRIC JUNCTION BOX (CABINET)	E	WATER MANHOLE	⊕
ELECTRIC MANHOLE	E	WATER METER	⊕
ELECTRIC POLE (POWER)	E	WATER VALVE	⊕
ELECTRIC POLE W/RISER	E	WATER VAULT	⊕
ELECTRIC METER	E		



LEGEND

---	EXIST ROW
---	UTSA CONDUIT (JOINT BID)
---	COSA ITSD CONDUIT (JOINT BID)
---	CPS ENERGY ELECTRIC (JOINT BID)
---	CPS ENERGY GAS (JOINT BID)
---	SAWS WATER (JOINT BID)

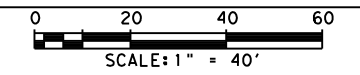
- NOTES:**
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 - SEE JOINT BID PLANS FOR ADDITIONAL INFORMATION.

DESIGN

INTERIM REVIEW	
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.	ENGINEER: STEVEN J. TATE
	P.E. SERIAL NO: 131443
	DATE: 1/24/2023

APPROVAL

INTERIM REVIEW	
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.	ENGINEER: JOHN A. TYLER
	P.E. SERIAL NO: 105193
	DATE: 1/24/2023



LEGEND OF UTILITY TYPES

COMMUNICATIONS		ELECTRIC / POWER		SANITARY SEWER		POTABLE WATER	
AT&T (TELE)	QL "B" C1	AT&T (TELE)	QL "C"/QL "D" C1	CPS ENERGY	QL "B" E1	SAWS	QL "B" W1
AT&T (FO/DUCT)	C2	AT&T (FO/DUCT)	C2	COSA	E2	SAWS	QL "C"/QL "D" W1
TXDOT (FO/DUCT)	C3	TXDOT (FO/DUCT)	C3	TXDOT	E3		
SPECTRUM (FO/DUCT)	C4	SPECTRUM (FO/DUCT)	C4				
COSA (FO/DUCT)	C5	COSA (FO/DUCT)	C5	CPS ENERGY	QL "C"/QL "D" E1	STORM DRAIN	QL "B" SD1
CONTRERRA (FO/DUCT)	C6	CONTRERRA (FO/DUCT)	C6	COSA	E2	COSA	QL "C"/QL "D" SD1
UPN (FO/DUCT)	C7	UPN (FO/DUCT)	C7	TXDOT	E3	TXDOT	QL "B" SD2
EXTENET (FO/DUCT)	C8	EXTENET (FO/DUCT)	C8			TXDOT	QL "C"/QL "D" SD2
FIBERLIGHT (FO/DUCT)	C9	FIBERLIGHT (FO/DUCT)	C9	GAS / PETROLEUM	QL "B" G1		
CENTURYLINK (FO/DUCT)	C10	CENTURYLINK (FO/DUCT)	C10	CPS ENERGY	QL "C"/QL "D" G1		
MCI (TELE)	C11	MCI (TELE)	C11	CPS ENERGY	G1		

REV. NO.	DATE	DESCRIPTION	BY

PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT
DOLOROSA
UTILITY LAYOUT
 STA 35+00 TO STA 39+00
 SHEET 4 OF 8

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	101

6:57:56 PM
 Plotted on: 1/24/2023

Design Filename: P:\122\27\03\Design\Civil\Utility\1222703_Utility-05.dgn

LEGEND OF UTILITY SYMBOLS

END CAP	⊥	LIGHT POLE	
QUALITY LEVEL CHANGE	↑	GROUND LIGHT	
TEST HOLE	●	SIGNAL POLE	
UTILITY CONTINUATION	⋈	SIGNAL HANDHOLE/BOX	
CATV CABINET		TRANSMISSION POLE	
CATV HANDHOLE		GAS METER	
CATV PEDESTAL		GAS TEST STATION	
FIBER HANDHOLE		GAS VALVE	
TELEPHONE CABINET		GAS VENT PIPE (GAS RISER)	
TELEPHONE HANDHOLE (VAULT)		STORM INLET	
TELEPHONE MANHOLE		STORM OUTFALL	
TELEPHONE PEDESTAL		STORM MANHOLE	
TELEPHONE POLE		WASTE WATER CLEANOUT	
TELEPHONE POLE W/RISER		WASTE WATER MANHOLE	
ELECTRIC HANDHOLE		FIRE HYDRANT	
ELECTRIC JUNCTION BOX (CABINET)		WATER MANHOLE	
ELECTRIC MANHOLE		WATER METER	
ELECTRIC POLE (POWER)		WATER VALVE	
ELECTRIC POLE W/RISER		WATER VAULT	
ELECTRIC METER			

LEGEND

---	EXIST ROW
— FOL —	UTSA CONDUIT (JOINT BID)
--- C5 ---	COSA ITSD CONDUIT (JOINT BID)
— PR UGE —	CPS ENERGY ELECTRIC (JOINT BID)
--- G1 ---	CPS ENERGY GAS (JOINT BID)
--- W1 ---	SAWS WATER (JOINT BID)

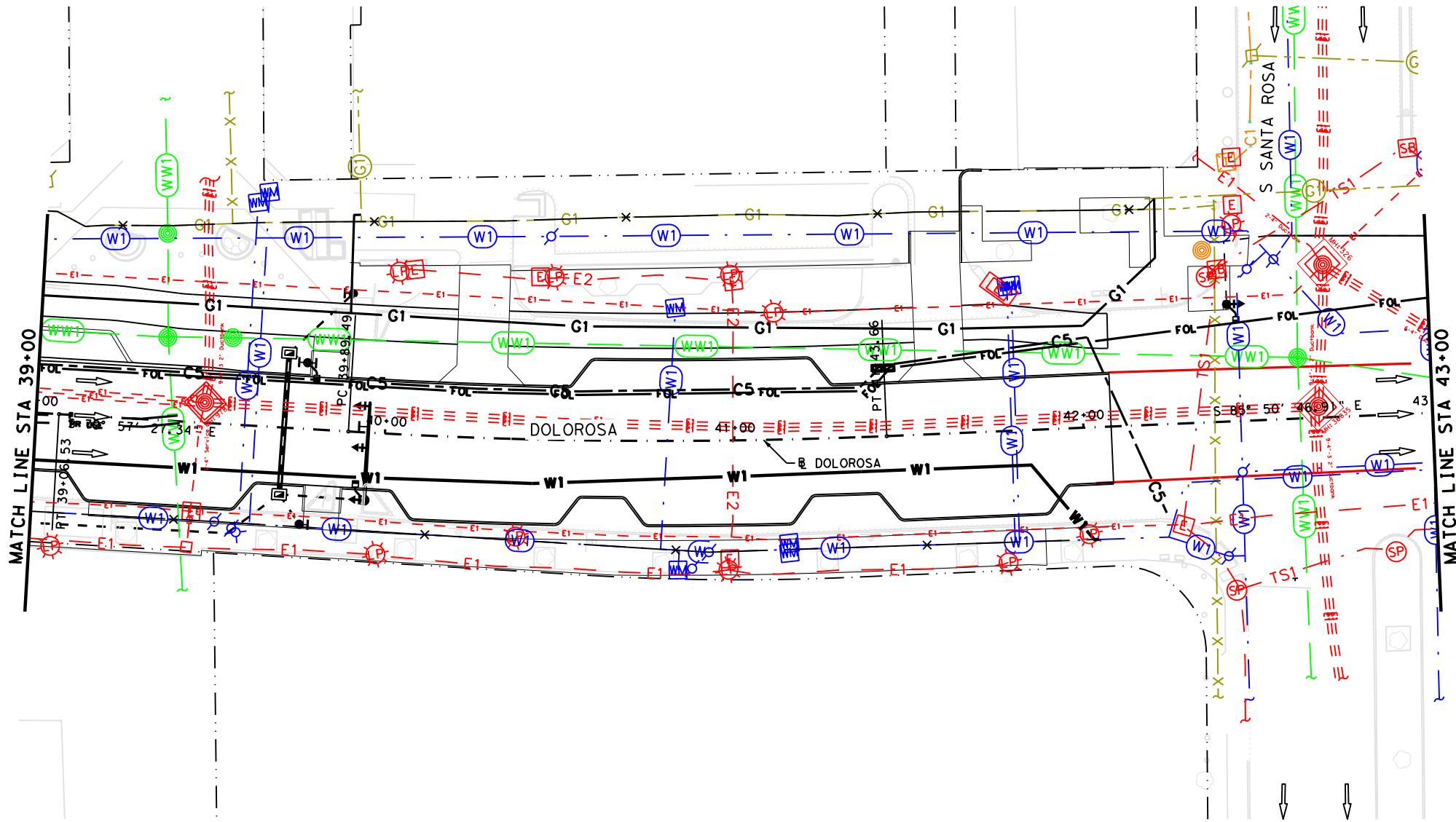
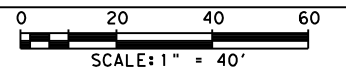
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DESIGN

INTERIM REVIEW
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 ENGINEER: STEVEN J. TATE
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 DATE: 1/24/2023

APPROVAL

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 ENGINEER: JOHN A. TYLER
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 DATE: 1/24/2023



LEGEND OF UTILITY TYPES

COMMUNICATIONS		ELECTRIC / POWER		SANITARY SEWER		POTABLE WATER	
AT&T (TELE) QL "B" C1	AT&T (TELE) QL "C"/QL "D" C1	CPS ENERGY QL "B" E1	CPS ENERGY QL "C"/QL "D" E1	SAWS QL "B" W1	SAWS QL "B" W1	SAWS QL "B" W1	SAWS QL "B" W1
AT&T (FO/DUCT) C2	AT&T (FO/DUCT) C2	COSA E2	COSA E2	SAWS QL "C"/QL "D" WW1	SAWS QL "C"/QL "D" WW1	SAWS QL "C"/QL "D" WW1	SAWS QL "C"/QL "D" WW1
TXDOT (FO/DUCT) C3	TXDOT (FO/DUCT) C3	TXDOT E3	TXDOT E3				
SPECTRUM (FO/DUCT) C4	SPECTRUM (FO/DUCT) C4	CPS ENERGY QL "C"/QL "D" E1	CPS ENERGY QL "C"/QL "D" E1				
COSA (FO/DUCT) C5	COSA (FO/DUCT) C5	COSA E2	COSA E2				
CONTRERRA (FO/DUCT) C6	CONTRERRA (FO/DUCT) C6	TXDOT	TXDOT				
UPN (FO/DUCT) C7	UPN (FO/DUCT) C7						
EXTENET (FO/DUCT) C8	EXTENET (FO/DUCT) C8	GAS / PETROLEUM QL "B" G1	GAS / PETROLEUM QL "C"/QL "D" G1				
FIBERLIGHT (FO/DUCT) C9	FIBERLIGHT (FO/DUCT) C9	CPS ENERGY QL "C"/QL "D" G1	CPS ENERGY QL "C"/QL "D" G1				
CENTURYLINK (FO/DUCT) C10	CENTURYLINK (FO/DUCT) C10						
MCI (TELE) C11	MCI (TELE) C11						

REV. NO.	DATE	DESCRIPTION	BY

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
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CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT

DOLOROSA

UTILITY LAYOUT

STA 39+00 TO STA 43+00

SHEET 5 OF 8

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	102

Plotted on: 1/24/2023 6:58:03 PM

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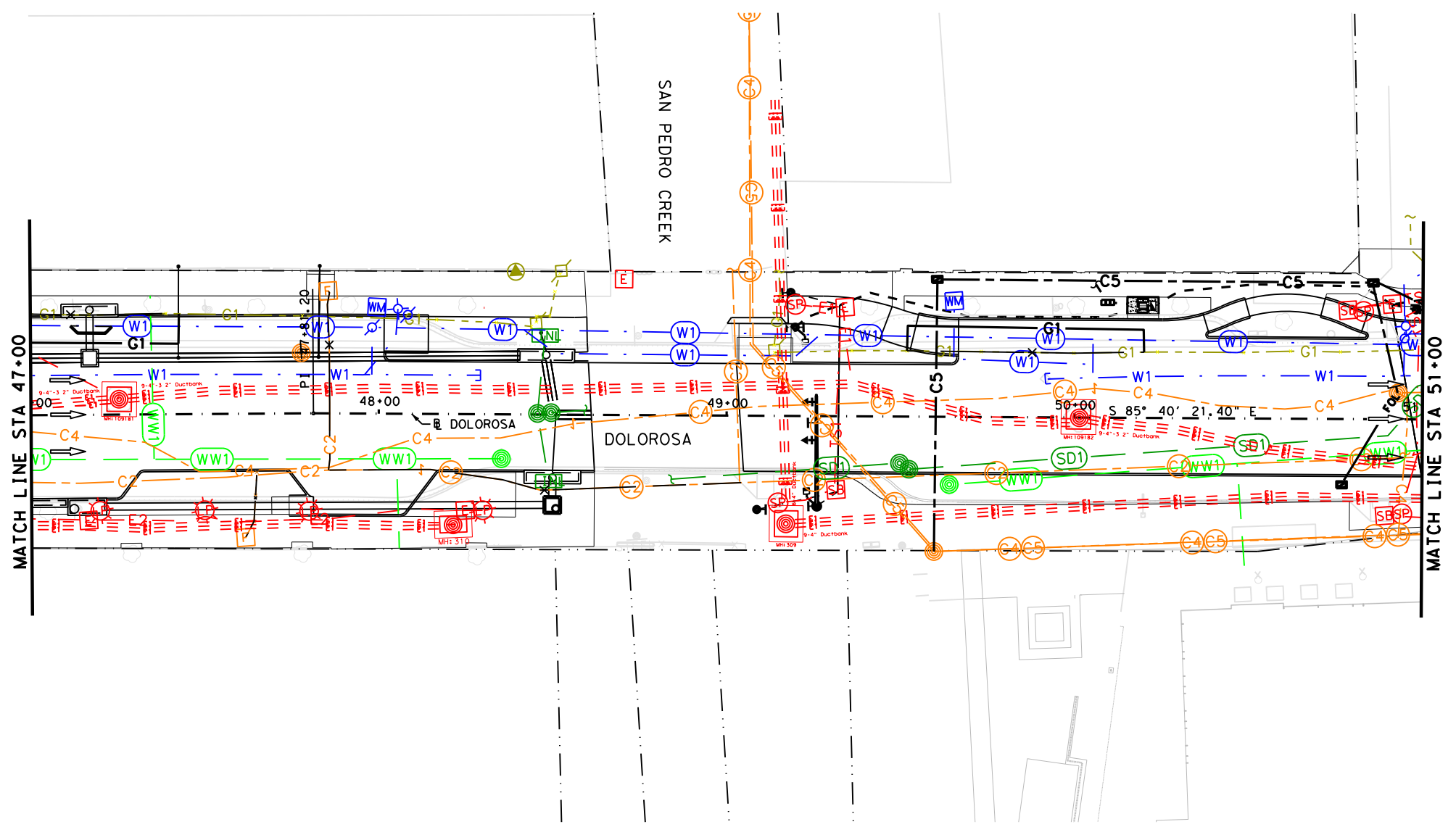
LEGEND OF UTILITY SYMBOLS

END CAP	C	LIGHT POLE	⊕
QUALITY LEVEL CHANGE	⊕	GROUND LIGHT	⊕
TEST HOLE	⊕	SIGNAL POLE	⊕
UTILITY CONTINUATION	⊕	SIGNAL HANDHOLE/BOX	⊕
CATV CABINET	C	TRANSMISSION POLE	⊕
CATV HANDHOLE	C	GAS METER	⊕
CATV PEDESTAL	C	GAS TEST STATION	⊕
FIBER HANDHOLE	F	GAS VALVE	⊕
TELEPHONE CABINET	T	GAS VENT PIPE (GAS RISER)	⊕
TELEPHONE HANDHOLE (VAULT)	T	STORM INLET	⊕
TELEPHONE MANHOLE	T	STORM OUTFALL	⊕
TELEPHONE PEDESTAL	T	STORM MANHOLE	⊕
TELEPHONE POLE	T	WASTE WATER CLEANOUT	⊕
TELEPHONE POLE W/RISER	T	WASTE WATER MANHOLE	⊕
ELECTRIC HANDHOLE	E	FIRE HYDRANT	⊕
ELECTRIC JUNCTION BOX (CABINET)	E	WATER MANHOLE	⊕
ELECTRIC MANHOLE	E	WATER METER	⊕
ELECTRIC POLE (POWER)	E	WATER VALVE	⊕
ELECTRIC POLE W/RISER	E	WATER VAULT	⊕
ELECTRIC METER	E		

LEGEND

---	EXIST ROW
---	UTSA CONDUIT (JOINT BID)
---	UTSA CONDUIT (JOINT BID)
---	UTSA CONDUIT (JOINT BID)
---	CPS ENERGY ELECTRIC (JOINT BID)
---	CPS ENERGY GAS (JOINT BID)
---	SAWS WATER (JOINT BID)

NOTES:
 1. UTILITY IDENTIFICATION IS OF VARYING QUALITY LEVEL; QL B OR QL C/D. IT IS THE CONTRACTORS RESPONSIBILITY TO IDENTIFY, LOCATE, AND EXPOSE AS NECESSARY.
 2. SEE JOINT BID PLANS FOR ADDITIONAL INFORMATION.

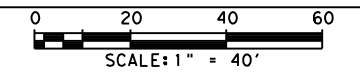


DESIGN

INTERIM REVIEW
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.
 ENGINEER: STEVEN J. TATE
 P.E. SERIAL NO: 131443
 DATE: 1/24/2023

APPROVAL

INTERIM REVIEW
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 ENGINEER: JOHN A. TYLER
 P.E. SERIAL NO: 105193
 DATE: 1/24/2023



LEGEND OF UTILITY TYPES

COMMUNICATIONS	QL "B"	QL "C"/QL "D"	ELECTRIC / POWER	QL "B"	QL "C"/QL "D"	SANITARY SEWER	QL "B"	POTABLE WATER	QL "B"
AT&T (TELE)	C1	C1	CPS ENERGY	E1	SAWS	SAWS	W1	SAWS	W1
AT&T (FO/DUCT)	C2	C2	COSA	E2	SAWS	SAWS	W1	SAWS	W1
TXDOT (FO/DUCT)	C3	C3	TXDOT	E3					
SPECTRUM (FO/DUCT)	C4	C4							
COSA (FO/DUCT)	C5	C5	CPS ENERGY	E1					
CONTRERRA (FO/DUCT)	C6	C6	COSA	E2					
UPN (FO/DUCT)	C7	C7	TXDOT	E3					
EXTENET (FO/DUCT)	C8	C8							
FIBERLIGHT (FO/DUCT)	C9	C9	GAS / PETROLEUM	G1					
CENTURYLINK (FO/DUCT)	C10	C10	CPS ENERGY	G1					
MCI (TELE)	C11	C11	CPS ENERGY	G1					

REV. NO.	DATE	DESCRIPTION	BY

PAPE-DAWSON ENGINEERS
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT

DOLOROSA
UTILITY LAYOUT
 STA 47+00 TO STA 51+00

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	104

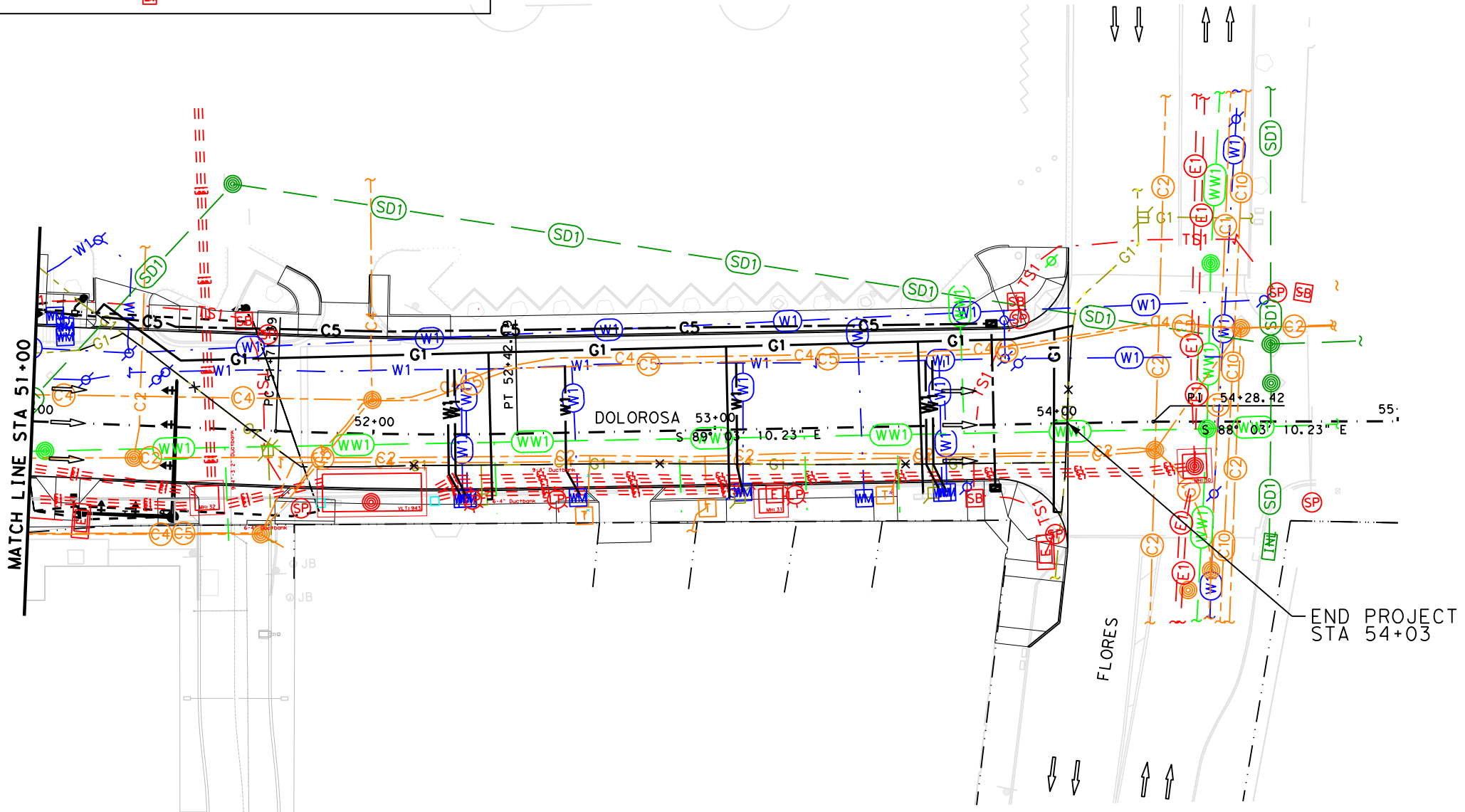
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Design File name: P:\122\27\03\Design\Civil\Utility\1222703_Utility-08.dgn

LEGEND OF UTILITY SYMBOLS			
END CAP	⊥	LIGHT POLE	⊕
QUALITY LEVEL CHANGE	⊕	GROUND LIGHT	⊕
TEST HOLE	⊕	SIGNAL POLE	⊕
UTILITY CONTINUATION	⊕	SIGNAL HANDHOLE/BOX	⊕
CATV CABINET	⊕	TRANSMISSION POLE	⊕
CATV HANDHOLE	⊕	GAS METER	⊕
CATV PEDESTAL	⊕	GAS TEST STATION	⊕
FIBER HANDHOLE	⊕	GAS VALVE	⊕
TELEPHONE CABINET	⊕	GAS VENT PIPE (GAS RISER)	⊕
TELEPHONE HANDHOLE (VAULT)	⊕	STORM INLET	⊕
TELEPHONE MANHOLE	⊕	STORM OUTFALL	⊕
TELEPHONE PEDESTAL	⊕	STORM MANHOLE	⊕
TELEPHONE POLE	⊕	WASTE WATER CLEANOUT	⊕
TELEPHONE POLE W/RISER	⊕	WASTE WATER MANHOLE	⊕
ELECTRIC HANDHOLE	⊕	FIRE HYDRANT	⊕
ELECTRIC JUNCTION BOX (CABINET)	⊕	WATER MANHOLE	⊕
ELECTRIC MANHOLE	⊕	WATER METER	⊕
ELECTRIC POLE (POWER)	⊕	WATER VALVE	⊕
ELECTRIC POLE W/RISER	⊕	WATER VAULT	⊕
ELECTRIC METER	⊕		

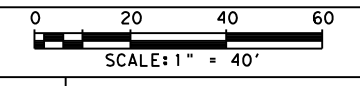
LEGEND	
---	EXIST ROW
---	FOL --- UTSA CONDUIT (JOINT BID)
---	C5 --- COSA ITSD CONDUIT (JOINT BID)
---	PR UGE --- CPS ENERGY ELECTRIC (JOINT BID)
---	G1 --- CPS ENERGY GAS (JOINT BID)
---	W1 --- SAWS WATER (JOINT BID)

NOTES:
 1. UTILITY IDENTIFICATION IS OF VARYING QUALITY LEVEL; QL B OR QL C/D. IT IS THE CONTRACTORS RESPONSIBILITY TO IDENTIFY, LOCATE, AND EXPOSE AS NECESSARY.
 2. SEE JOINT BID PLANS FOR ADDITIONAL INFORMATION.



DESIGN
 INTERIM REVIEW
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.
 ENGINEER: STEVEN J. TATE
 P.E. SERIAL NO: 131443
 DATE: 1/24/2023

APPROVAL
 INTERIM REVIEW
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.
 ENGINEER: JOHN A. TYLER
 P.E. SERIAL NO: 105193
 DATE: 1/24/2023



REV. NO.	DATE	DESCRIPTION	BY



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



DOLOROSA UTILITY LAYOUT

STA 51+00 TO END PROJECT

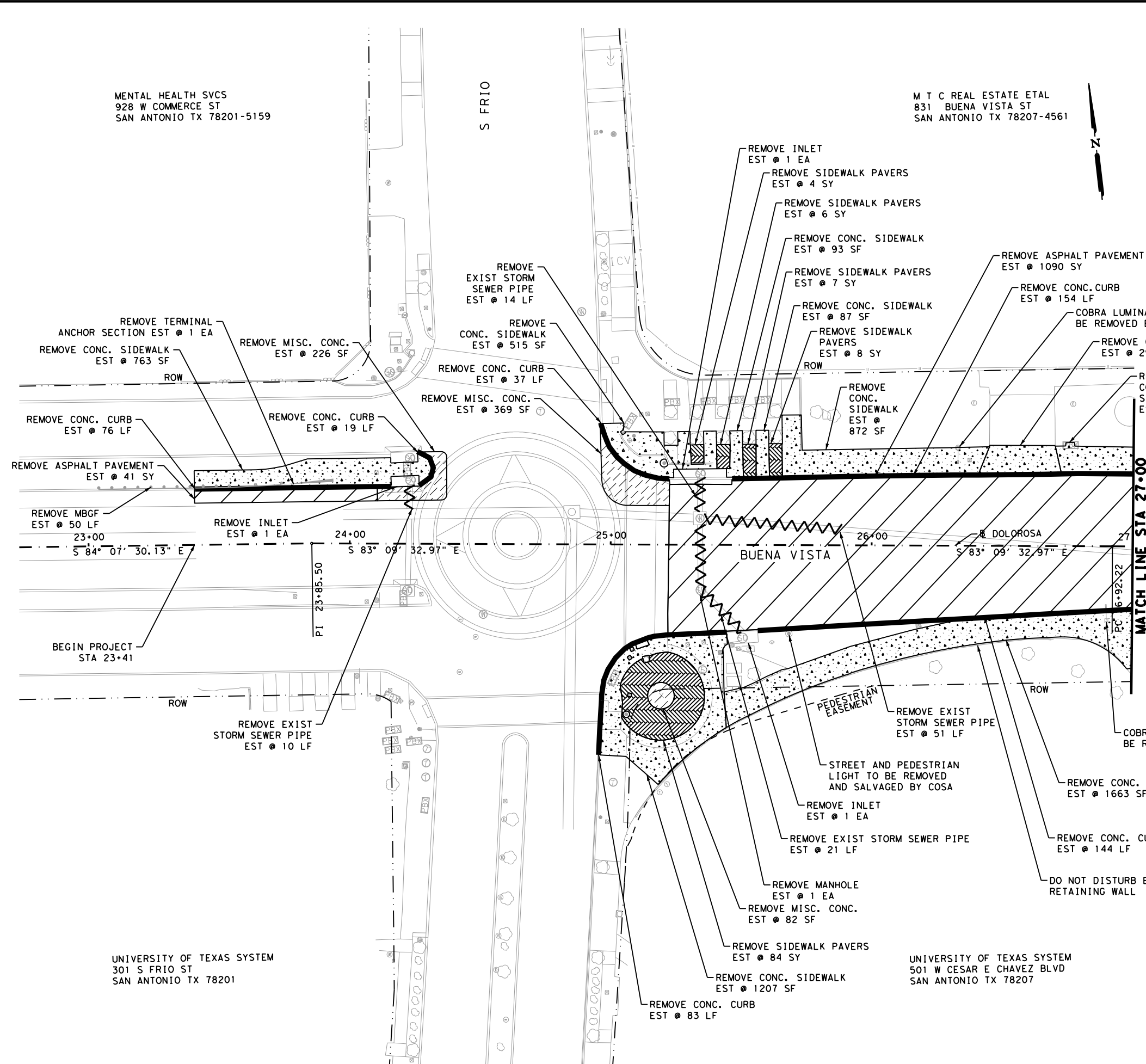
SHEET 8 OF 8

LEGEND OF UTILITY TYPES			
COMMUNICATIONS		ELECTRIC / POWER	
AT&T (TELE) QL "B" C1	AT&T (TELE) QL "C"/QL "D" C1	CPS ENERGY QL "B" E1	SAWS SANITARY SEWER QL "B" WW1
AT&T (FO/DUCT) C2	AT&T (FO/DUCT) C2	COSA E2	SAWS QL "C"/QL "D" WW1
TXDOT (FO/DUCT) C3	TXDOT (FO/DUCT) C3	TXDOT E3	SAWS QL "B" SD1
SPECTRUM (FO/DUCT) C4	SPECTRUM (FO/DUCT) C4	CPS ENERGY QL "C"/QL "D" E1	TXDOT/COSA QL "B" SD1
COSA (FO/DUCT) C5	COSA (FO/DUCT) C5	COSA E2	TXDOT/COSA QL "C"/QL "D" TS1
CONTERRA (FO/DUCT) C6	CONTERRA (FO/DUCT) C6	TXDOT E3	ABANDONED UTILITY
UPN (FO/DUCT) C7	UPN (FO/DUCT) C7	GAS / PETROLEUM QL "B" G1	PROPOSED UTILITY
EXTENET (FO/DUCT) C8	EXTENET (FO/DUCT) C8	CPS ENERGY QL "C"/QL "D" G1	UNKNOWN UTILITY
FIBERLIGHT (FO/DUCT) C9	FIBERLIGHT (FO/DUCT) C9	CPS ENERGY	
CENTURYLINK (FO/DUCT) C10	CENTURYLINK (FO/DUCT) C10		
MCI (TELE) C11	MCI (TELE) C11		

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	105

Plotted on: 1/24/2023 7:00:39 PM
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ITEM	DESCRIPTION	UNIT	QTY
103.1	Remove Concrete Curb	LF	513
**0104-6040	REMOVING CONC. (PAVERS)	SY	109
**0105-6082	REMOVING STAB BASE & ASPH PV(10 TO 16")	SY	1090
**103.4	REMOVE MISCELLANEOUS CONCRETE	SF	677
*0496-6007	REMOV STR (PIPE)	LF	96
*103.3	REMOVE SIDEWALK AND DRIVEWAYS	SF	5790
0496-6002	REMOV STR (INLET)	EA	3
0496-6003	REMOV STR (MANHOLE)	EA	1
0542-6001	REMOVE METAL BEAM GUARD FENCE	LF	50
0542-6002	REMOVE TERMINAL ANCHOR SECTION	EA	1



LEGEND

	EXIST ROW		REMOVE CURB
	REMOVE STORM SEWER PIPE		REMOVE SIDEWALK AND DRIVEWAY CONCRETE
	REMOVE MISCELLANEOUS CONCRETE		REMOVE ASPHALT PARKING
	REMOVE VEHICULAR PAVERS		REMOVE SIDEWALK PAVERS
	REMOVE ASPHALT PAVEMENT		

- NOTES:**
- SEE "TREE PRESERVATION & PLANTING PLAN" SHEETS FOR TREE INFORMATION.
 - SEE SIGNING AND PAVEMENT MARKINGS LAYOUT FOR SIGNREMOVALS.
 - REMOVAL OF INCIDENTAL ITEMS NOT SHOWN ARE SUBSIDIARY TO PREP ROW.
- * FOR CONTRACTORS INFORMATION ONLY, PAYMENT FOR REMOVAL IS SUBSIDIARY TO VARIOUS ITEMS.
- ** REMOVAL OF EXISTING PAVEMENT AND/OR PAVERS IS SUBSIDIARY TO STREET EXCAVATION.

DESIGN

INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.

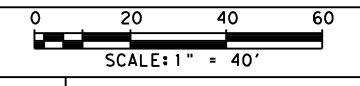
ENGINEER: STEVEN J. TATE
 P.E. SERIAL NO: 131443
 DATE: 1/24/2023

APPROVAL

INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.

ENGINEER: JOHN A. TYLER
 P.E. SERIAL NO: 105193
 DATE: 1/24/2023



REV. NO.	DATE	DESCRIPTION	BY

PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT

DOLOROSA
REMOVAL LAYOUTS

BEGIN TO STA 27+00

SHEET 1 OF 8

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	106

MENTAL HEALTH SVCS
 928 W COMMERCE ST
 SAN ANTONIO TX 78201-5159

M T C REAL ESTATE ETAL
 831 BUENA VISTA ST
 SAN ANTONIO TX 78207-4561

UNIVERSITY OF TEXAS SYSTEM
 301 S FRIO ST
 SAN ANTONIO TX 78201

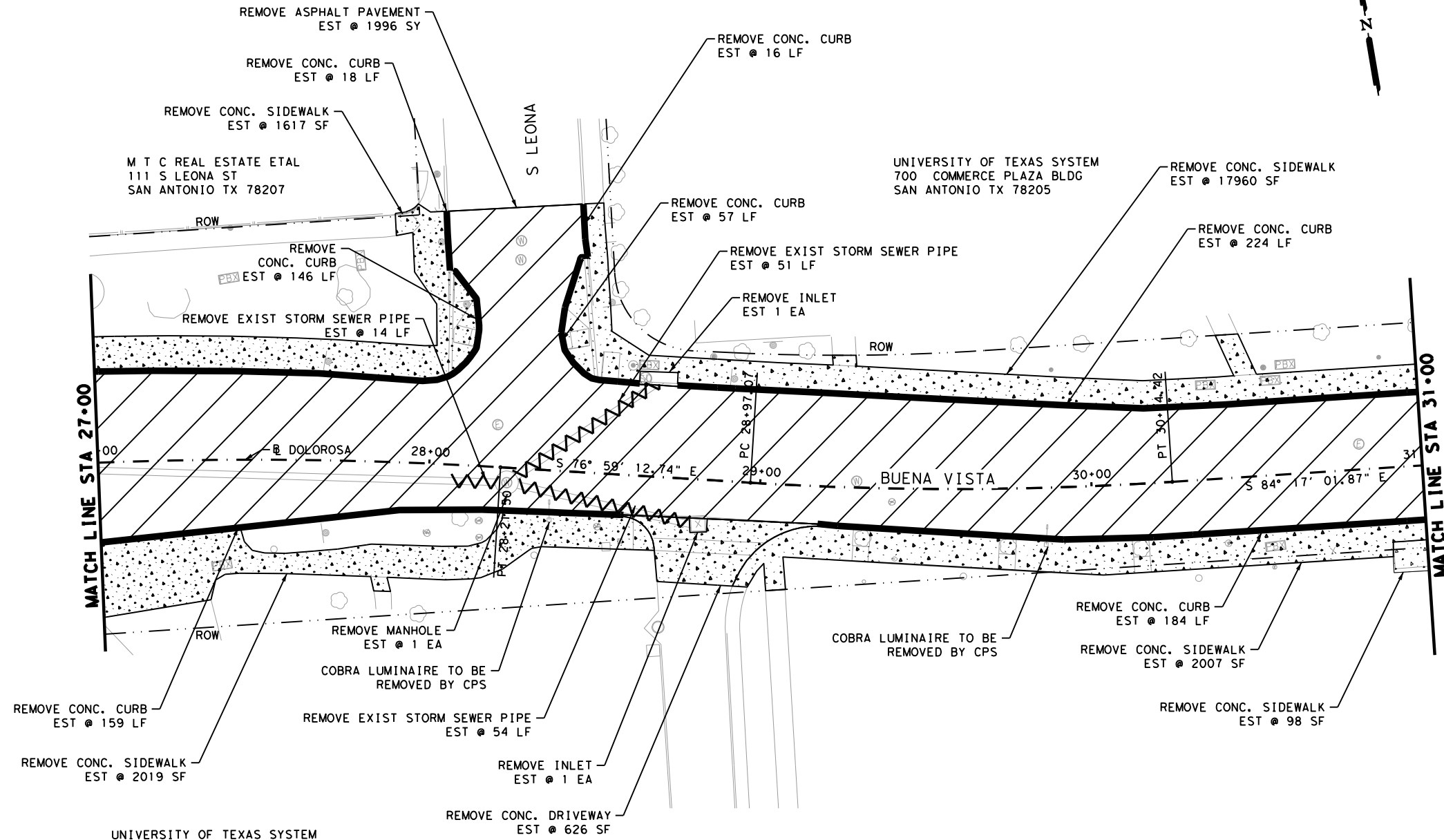
UNIVERSITY OF TEXAS SYSTEM
 501 W CESAR E CHAVEZ BLVD
 SAN ANTONIO TX 78207

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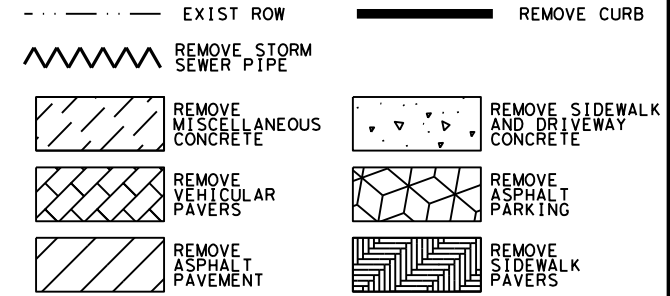
Plotted on: 1/24/2023

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ITEM	DESCRIPTION	UNIT	QTY
103.1	Remove Concrete Curb	LF	804
**0105-6082	REMOVING STAB BASE & ASPH PV(10 TO 16")	SY	1996
*0496-6007	REMOV STR (PIPE)	LF	119
*103.3	REMOVE SIDEWALK AND DRIVEWAYS	SF	24327
0496-6002	REMOV STR (INLET)	EA	2
0496-6003	REMOV STR (MANHOLE)	EA	1



LEGEND



- NOTES:**
- SEE "TREE PRESERVATION & PLANTING PLAN" SHEETS FOR TREE INFORMATION.
 - SEE SIGNING AND PAVEMENT MARKINGS LAYOUT FOR SIGNREMOVALS.
 - REMOVAL OF INCIDENTAL ITEMS NOT SHOWN ARE SUBSIDIARY TO PREP ROW.
- * FOR CONTRACTORS INFORMATION ONLY, PAYMENT FOR REMOVAL IS SUBSIDIARY TO VARIOUS ITEMS.
- ** REMOVAL OF EXISTING PAVEMENT AND/OR PAVERS IS SUBSIDIARY TO STREET EXCAVATION.

DESIGN

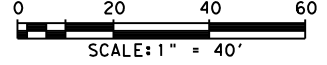
INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.
 ENGINEER: STEVEN J. TATE
 P.E. SERIAL NO: 131443
 DATE: 1/24/2023

APPROVAL

INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.
 ENGINEER: JOHN A. TYLER
 P.E. SERIAL NO: 105193
 DATE: 1/24/2023



REV. NO.	DATE	DESCRIPTION	BY

PAPE-DAWSON ENGINEERS

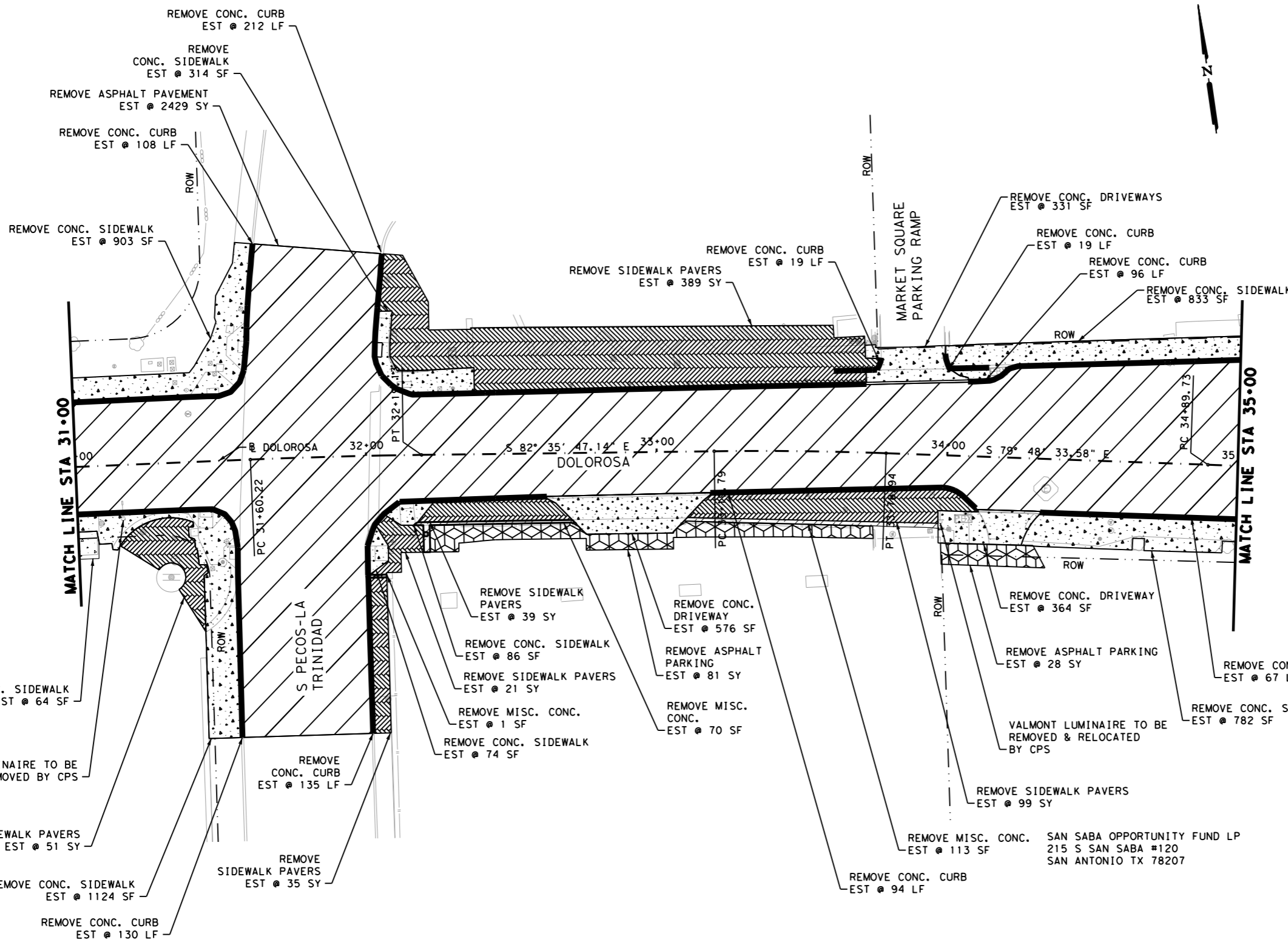
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT

DOLOROSA
REMOVAL LAYOUTS
 STA 27+00 TO STA 31+00
 SHEET 2 OF 8

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	107

ITEM	DESCRIPTION	UNIT	QTY
103.1	Remove Concrete Curb	LF	880
**0104-6040	REMOVING CONC. (PAVERS)	SY	634
**0105-6082	REMOVING STAB BASE & ASPH PV(10 TO 16")	SY	2429
**103.4	REMOVE MISCELLANEOUS CONCRETE	SF	184
*0105-6008	REMOVING STAB BASE AND ASPH PAV (6")	SY	109
*103.3	REMOVE SIDEWALK AND DRIVEWAYS	SF	5451



LEGEND

- EXIST ROW
- REMOVE CURB
- ~~~~ REMOVE STORM SEWER PIPE
- [Hatched Box] REMOVE MISCELLANEOUS CONCRETE
- [Hatched Box] REMOVE SIDEWALK AND DRIVEWAY CONCRETE
- [Hatched Box] REMOVE VEHICULAR PAVERS
- [Hatched Box] REMOVE ASPHALT PARKING
- [Hatched Box] REMOVE ASPHALT PAVEMENT
- [Hatched Box] REMOVE SIDEWALK PAVERS

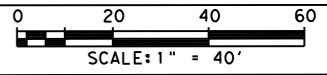
- NOTES:**
- SEE "TREE PRESERVATION & PLANTING PLAN" SHEETS FOR TREE INFORMATION.
 - SEE SIGNING AND PAVEMENT MARKINGS LAYOUT FOR SIGNREMOVALS.
 - REMOVAL OF INCIDENTAL ITEMS NOT SHOWN ARE SUBSUDARY TO PREP ROW.
 - * FOR CONTRACTORS INFORMATION ONLY, PAYMENT FOR REMOVAL IS SUBSUDARY TO VARIOUS ITEMS.
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DESIGN

INTERIM REVIEW
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 ENGINEER: STEVEN J. TATE
 P.E. SERIAL NO: 131443
 DATE: 1/24/2023

APPROVAL

INTERIM REVIEW
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 ENGINEER: JOHN A. TYLER
 P.E. SERIAL NO: 105193
 DATE: 1/24/2023



REV. NO.	DATE	DESCRIPTION	BY

PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT

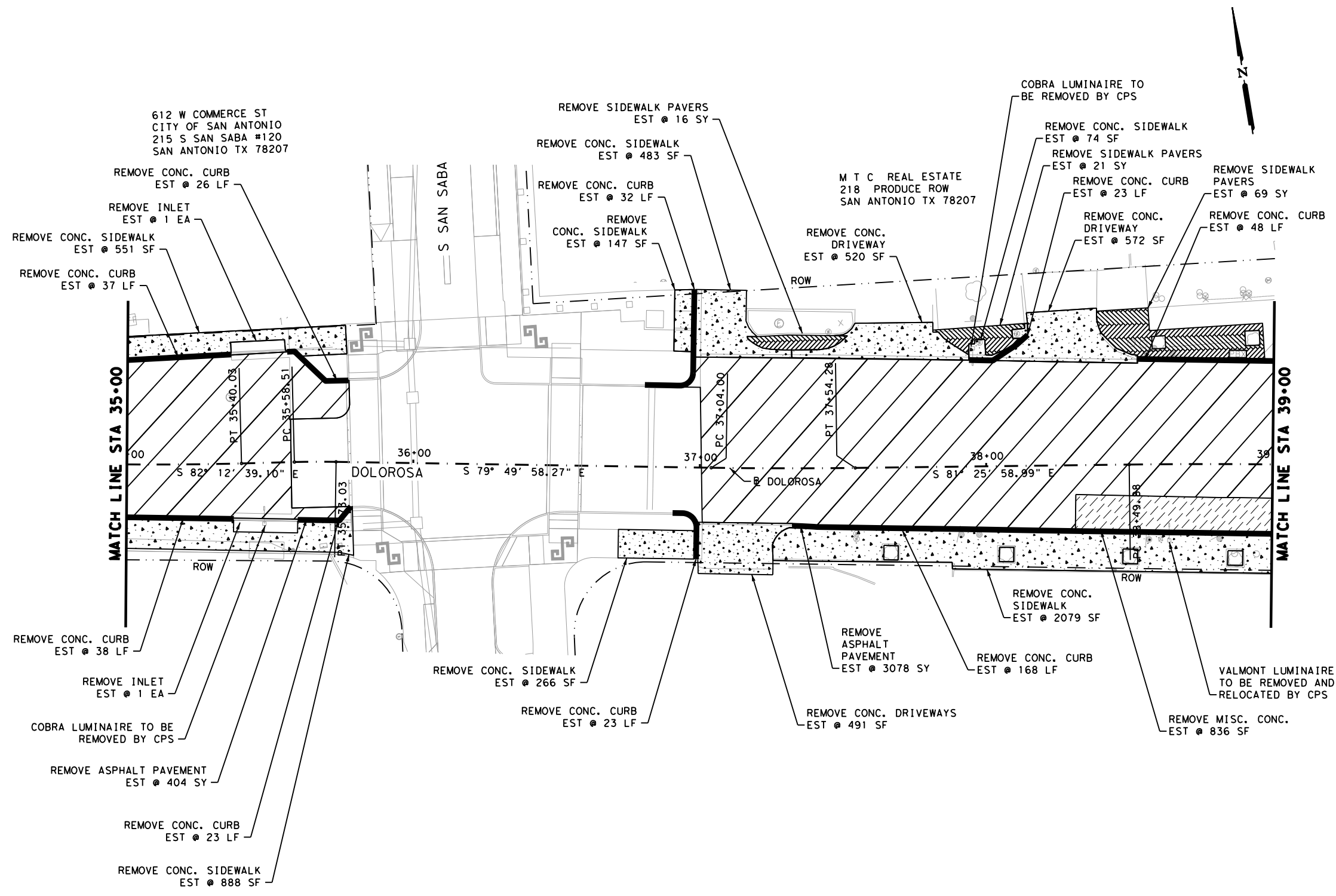
DOLOROSA
REMOVAL LAYOUTS
 STA 31+00 TO STA 35+00

SHEET 3 OF 8

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	108

Plotted on: 1/24/2023 7:00:48 PM
 Design File Name: P:\122\27\03\Design\Civil\Roadway\1222703_Rem04.dgn

ITEM	DESCRIPTION	UNIT	QTY
103.1	Remove Concrete Curb	LF	418
**0104-6040	REMOVING CONC. (PAVERS)	SY	106
**0105-6082	REMOVING STAB BASE & ASPH PV(10 TO 16")	SY	3482
**103.4	REMOVE MISCELLANEOUS CONCRETE	SF	836
*103.3	REMOVE SIDEWALK AND DRIVEWAYS	SF	6031
0496-6002	REMOV STR (INLET)	EA	2



LEGEND

- EXIST ROW
- REMOVE CURB
- ~ REMOVE STORM SEWER PIPE
- [Diagonal Hatching] REMOVE MISCELLANEOUS CONCRETE
- [Diagonal Hatching] REMOVE VEHICULAR PAVERS
- [Diagonal Hatching] REMOVE ASPHALT PAVEMENT
- [Stippled] REMOVE SIDEWALK AND DRIVEWAY CONCRETE
- [Stippled] REMOVE ASPHALT PARKING
- [Stippled] REMOVE SIDEWALK PAVERS

- NOTES:**
- SEE "TREE PRESERVATION & PLANTING PLAN" SHEETS FOR TREE INFORMATION.
 - SEE SIGNING AND PAVEMENT MARKINGS LAYOUT FOR SIGNREMOVALS.
 - REMOVAL OF INCIDENTAL ITEMS NOT SHOWN ARE SUBSIDIARY TO PREP ROW.
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DESIGN

INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.

ENGINEER: STEVEN J. TATE

P.E. SERIAL NO: 131443

DATE: 1/24/2023

APPROVAL

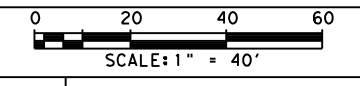
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ENGINEER: JOHN A. TYLER

P.E. SERIAL NO: 105193

DATE: 1/24/2023



REV. NO.	DATE	DESCRIPTION	BY

PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT

DOLOROSA
REMOVAL LAYOUTS

STA 35+00 TO STA 39+00

SHEET 4 OF 8

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	109

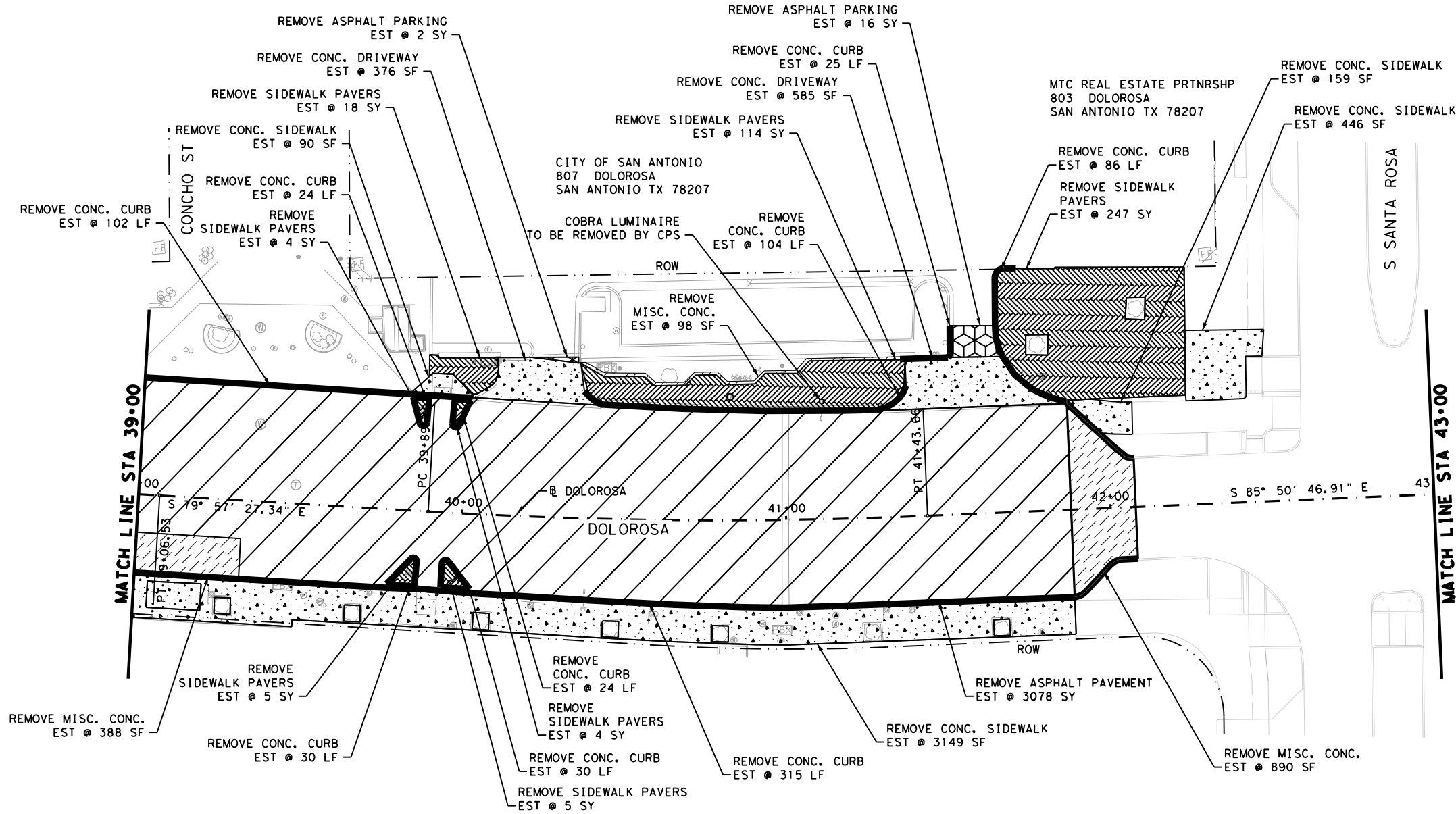
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Plotted on: 1/24/2023

Design File name: P:\122\27\03\Design\Civil\Roadway\1222703_Rem05.dgn

M T C REAL ESTATE
218 PRODUCE ROW
SAN ANTONIO TX 78207

ITEM	DESCRIPTION	UNIT	QTY
103.1	Remove Concrete Curb	LF	740
**0104-6040	REMOVING CONC. (PAVERS)	SY	397
**0105-6082	REMOVING STAB BASE & ASPH PV (10 TO 16")	SY	3078
**103.4	REMOVE MISCELLANEOUS CONCRETE	SF	1376
*0105-6008	REMOVING STAB BASE AND ASPH PAV (6")	SY	18
*103.3	REMOVE SIDEWALK AND DRIVEWAYS	SF	4805



LEGEND

---	EXIST ROW	—	REMOVE CURB
~~~~~	REMOVE STORM SEWER PIPE	[Hatched]	REMOVE SIDEWALK AND DRIVEWAY CONCRETE
[Diagonal Hatched]	REMOVE MISCELLANEOUS CONCRETE	[Grid Hatched]	REMOVE ASPHALT PARKING
[Cross Hatched]	REMOVE VEHICULAR PAVERS	[Square Hatched]	REMOVE SIDEWALK PAVERS
[Diagonal Hatched]	REMOVE ASPHALT PAVEMENT		

- NOTES:**
- SEE "TREE PRESERVATION & PLANTING PLAN" SHEETS FOR TREE INFORMATION.
  - SEE SIGNING AND PAVEMENT MARKINGS LAYOUT FOR SIGNREMOVALS.
  - REMOVAL OF INCIDENTAL ITEMS NOT SHOWN ARE SUBSUDARY TO PREP ROW.
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**DESIGN**

INTERIM REVIEW

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ENGINEER: STEVEN J. TATE

P.E. SERIAL NO: 131443

DATE: 1/24/2023

**APPROVAL**

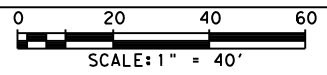
INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.

ENGINEER: JOHN A. TYLER

P.E. SERIAL NO: 105193

DATE: 1/24/2023



REV. NO.	DATE	DESCRIPTION	BY



**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**REMOVAL LAYOUTS**

STA 39+00 TO STA 43+00

SHEET 5 OF 8

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	110

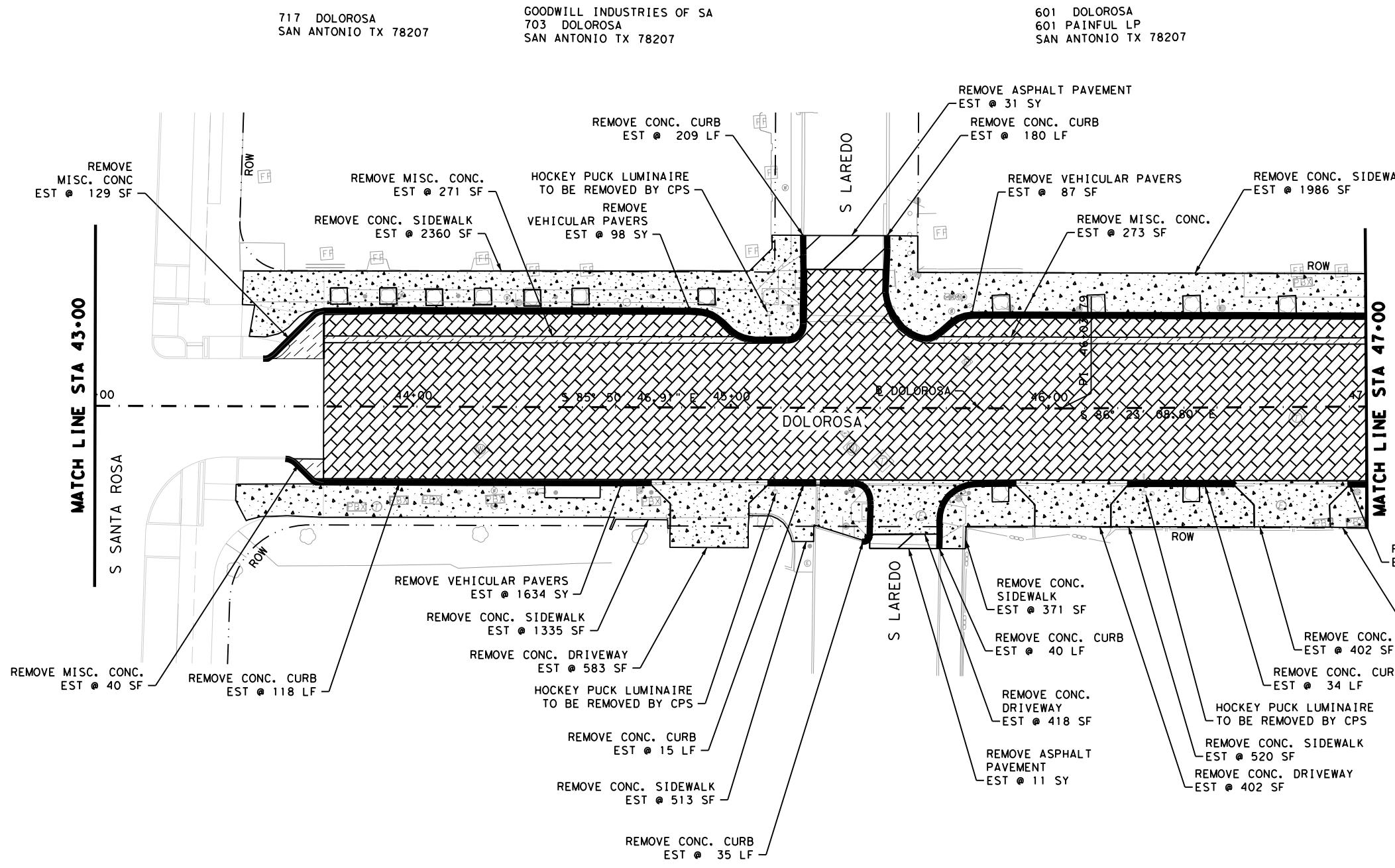


7:00:54 PM

Plotted on: 1/24/2023

Design Filename: P:\122\27\03\Design\Civil\Roadway\1222703_Rem06.dgn

ITEM	DESCRIPTION	UNIT	QTY
103.1	Remove Concrete Curb	LF	637
**0104-6040	REMOVING CONC. (PAVERS)	SY	1819
**0105-6082	REMOVING STAB BASE & ASPH PV(10 TO 16")	SY	42
**103.4	REMOVE MISCELLANEOUS CONCRETE	SF	713
*103.3	REMOVE SIDEWALK AND DRIVEWAYS	SF	9021



**LEGEND**

---	EXIST ROW	---	REMOVE CURB
~~~~~	REMOVE STORM SEWER PIPE	[Diagonal Hatching]	REMOVE MISCELLANEOUS CONCRETE
[Diagonal Hatching]	REMOVE MISCELLANEOUS CONCRETE	[Stippled Pattern]	REMOVE SIDEWALK AND DRIVEWAY CONCRETE
[Cross-hatch]	REMOVE VEHICULAR PAVERS	[Triangle Pattern]	REMOVE ASPHALT PARKING
[Diagonal Hatching]	REMOVE ASPHALT PAVEMENT	[Square Pattern]	REMOVE SIDEWALK PAVERS

- NOTES:**
1. SEE "TREE PRESERVATION & PLANTING PLAN" SHEETS FOR TREE INFORMATION.
 2. SEE SIGNING AND PAVEMENT MARKINGS LAYOUT FOR SIGNREMOVALS.
 3. REMOVAL OF INCIDENTAL ITEMS NOT SHOWN ARE SUBSUDARY TO PREP ROW.
- * FOR CONTRACTORS INFORMATION ONLY, PAYMENT FOR REMOVAL IS SUBSIDIARY TO VARIOUS ITEMS.
 ** REMOVAL OF EXISTING PAVEMENT AND/OR PAVERS IS SUBSIDIARY TO STREET EXCAVATION.

DESIGN

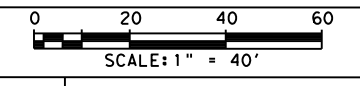
INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.
 ENGINEER: STEVEN J. TATE
 P.E. SERIAL NO: 131443
 DATE: 1/24/2023

APPROVAL

INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.
 ENGINEER: JOHN A. TYLER
 P.E. SERIAL NO: 105193
 DATE: 1/24/2023



REV. NO.	DATE	DESCRIPTION	BY

PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT

DOLOROSA
REMOVAL LAYOUTS

STA 43+00 TO STA 47+00

SHEET 6 OF 8

DESIGN	CHECKED	DRAWN	PROJECT NO.	SUBMITTAL	SHEET NO.
ST	JT	JG	23-03763	70%	111

7:00:57 PM

Plotted on: 1/24/2023

Design File name: P:\122\27\03\Design\Civil\Roadway\1222703_Rem07.dgn

ITEM	DESCRIPTION	UNIT	QTY
103.1	Remove Concrete Curb	LF	711
**0104-6040	REMOVING CONC. (PAVERS)	SY	1321
**103.4	REMOVE MISCELLANEOUS CONCRETE	SF	471
*0496-6007	REMOV STR (PIPE)	LF	28
*103.3	REMOVE SIDEWALK AND DRIVEWAYS	SF	7721
0496-6002	REMOV STR (INLET)	EA	2

LEGEND

--- --- --- EXIST ROW ——— REMOVE CURB

~~~~~ REMOVE STORM SEWER PIPE

REMOVE MISCELLANEOUS CONCRETE      REMOVE SIDEWALK AND DRIVEWAY CONCRETE

REMOVE VEHICULAR PAVERS      REMOVE ASPHALT PARKING

REMOVE ASPHALT PAVEMENT      REMOVE SIDEWALK PAVERS

- NOTES:**
- SEE "TREE PRESERVATION & PLANTING PLAN" SHEETS FOR TREE INFORMATION.
  - SEE SIGNING AND PAVEMENT MARKINGS LAYOUT FOR SIGNREMOVALS.
  - REMOVAL OF INCIDENTAL ITEMS NOT SHOWN ARE SUBSUDARY TO PREP ROW.
- \* FOR CONTRACTORS INFORMATION ONLY, PAYMENT FOR REMOVAL IS SUBSIDIARY TO VARIOUS ITEMS.
- \*\* REMOVAL OF EXISTING PAVEMENT AND/OR PAVERS IS SUBSIDIARY TO STREET EXCAVATION.

**DESIGN**

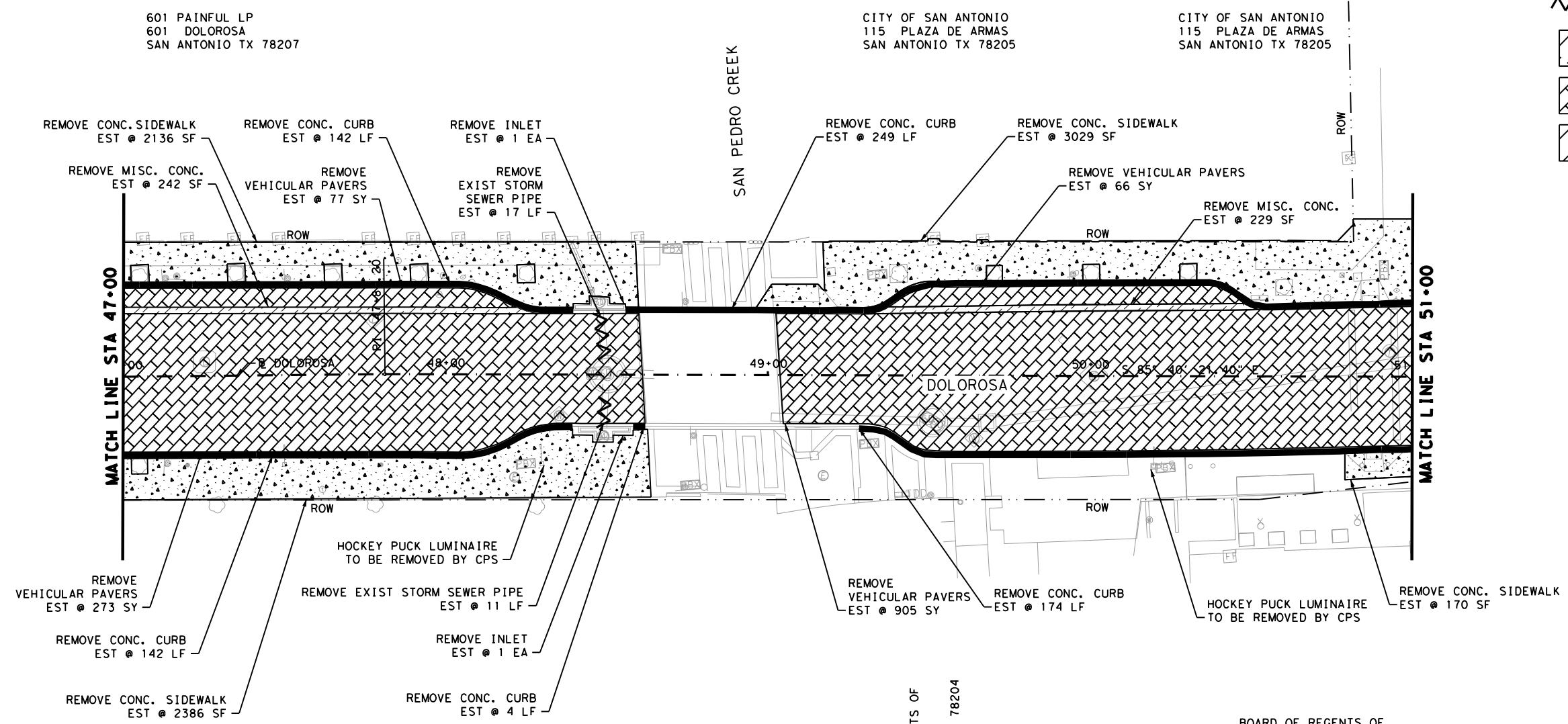
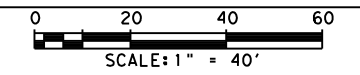
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



BOARD OF REGENTS OF  
 THE UT SYSTEMS  
 506 DOLOROSA  
 SAN ANTONIO TX 78204

BOARD OF REGENTS OF  
 THE UT SYSTEMS  
 506 DOLOROSA  
 SAN ANTONIO TX 78204

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

**CITY OF SAN ANTONIO  
 PUBLIC WORKS DEPARTMENT**

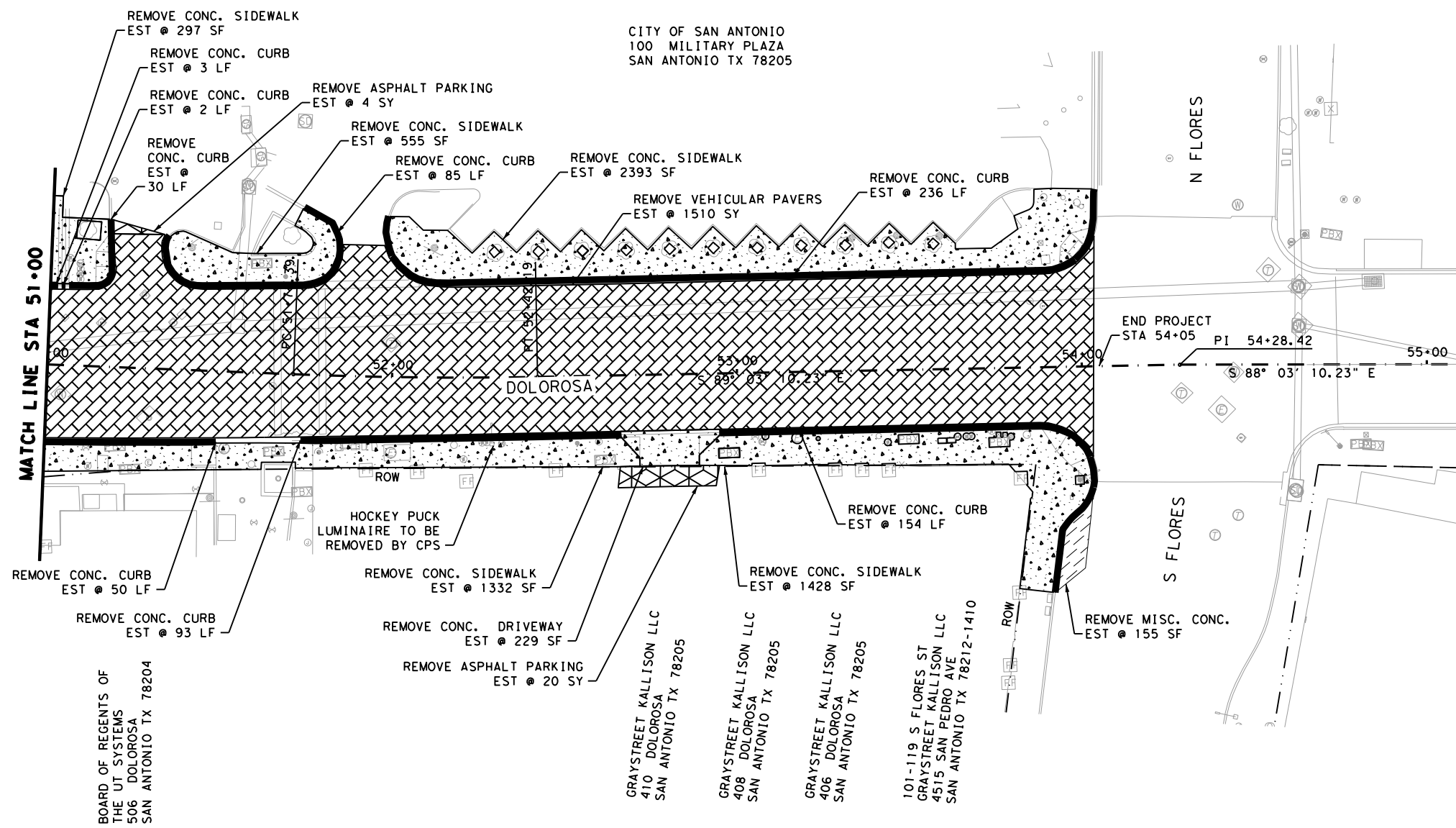
**DOLOROSA  
 REMOVAL LAYOUTS**

STA 47+00 TO STA 51+00

SHEET 7 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 112       |

| ITEM        | DESCRIPTION                          | UNIT | QTY  |
|-------------|--------------------------------------|------|------|
| 103.1       | Remove Concrete Curb                 | LF   | 650  |
| **0104-6040 | REMOVING CONC. (PAVERS)              | SY   | 1510 |
| **103.4     | REMOVE MISCELLANEOUS CONCRETE        | SF   | 155  |
| *0105-6008  | REMOVING STAB BASE AND ASPH PAV (6") | SY   | 24   |
| *103.3      | REMOVE SIDEWALK AND DRIVEWAYS        | SF   | 6234 |



**LEGEND**

- EXIST ROW
- REMOVE CURB
- ~~~~ REMOVE STORM SEWER PIPE
- [Hatched Box] REMOVE MISCELLANEOUS CONCRETE
- [Hatched Box] REMOVE SIDEWALK AND DRIVEWAY CONCRETE
- [Hatched Box] REMOVE VEHICULAR PAVERS
- [Hatched Box] REMOVE ASPHALT PARKING
- [Hatched Box] REMOVE ASPHALT PAVEMENT
- [Hatched Box] REMOVE SIDEWALK PAVERS

- NOTES:**
- SEE "TREE PRESERVATION & PLANTING PLAN" SHEETS FOR TREE INFORMATION.
  - SEE SIGNING AND PAVEMENT MARKINGS LAYOUT FOR SIGNREMOVALS.
  - REMOVAL OF INCIDENTAL ITEMS NOT SHOWN ARE SUBSUDARY TO PREP ROW.
  - \* FOR CONTRACTORS INFORMATION ONLY, PAYMENT FOR REMOVAL IS SUBSIDIARY TO VARIOUS ITEMS.
  - \*\* REMOVAL OF EXISTING PAVEMENT AND/OR PAVERS IS SUBSIDIARY TO STREET EXCAVATION.

**DESIGN**

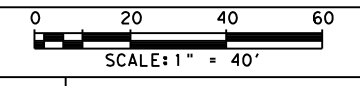
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

**CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**REMOVAL LAYOUTS**  
 STA 51+00 TO STA 55+00  
 SHEET 8 OF 8

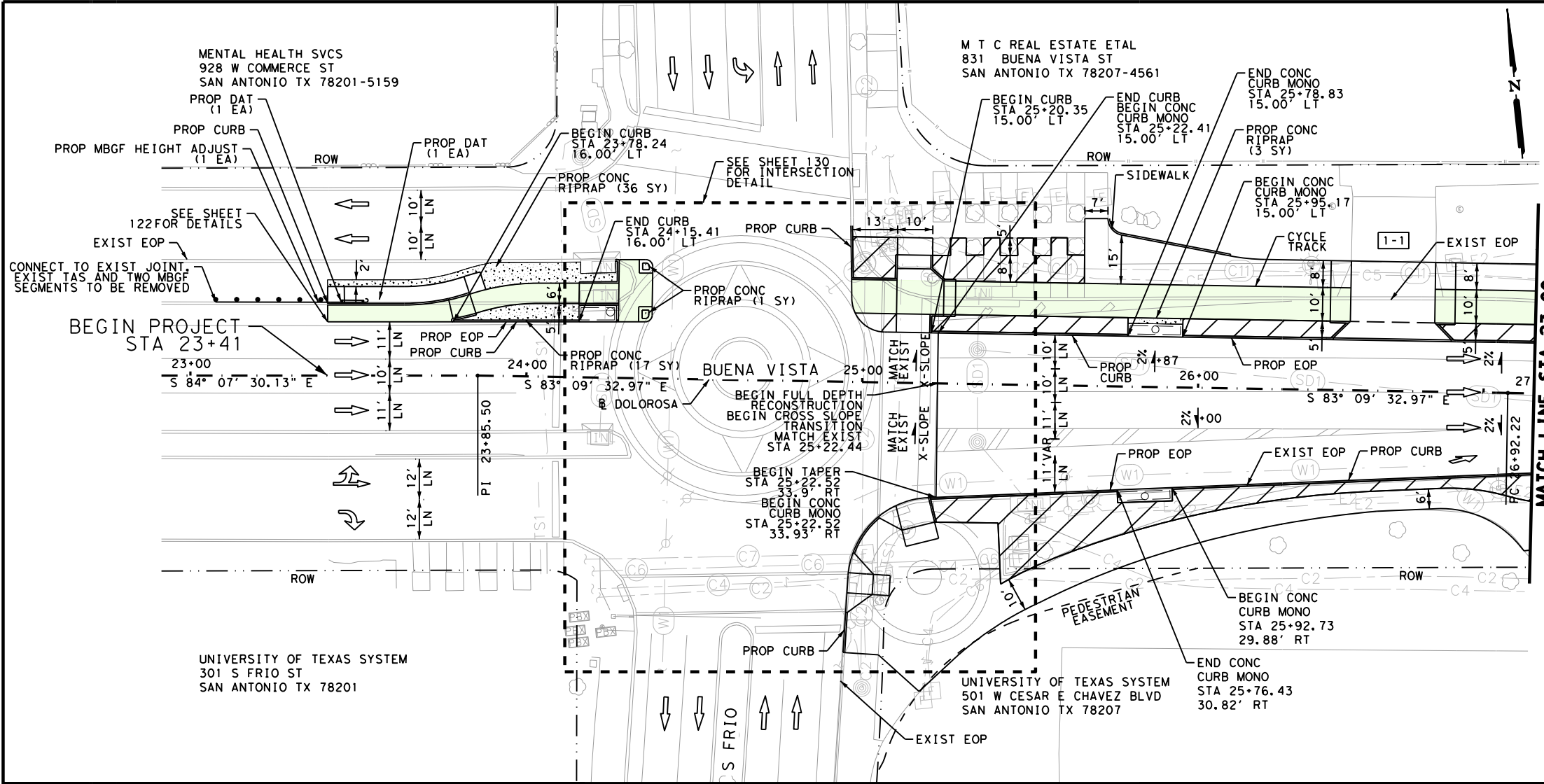
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|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 113       |



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Plotted on: 1/25/2023

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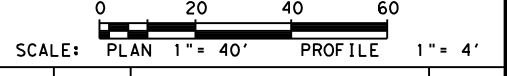


| ITEM      | DESCRIPTION                              | UNIT | QTY   |
|-----------|------------------------------------------|------|-------|
| 104.1     | STREET EXCAVATION                        | CY   | 689.0 |
| 107.1     | EMBANKMENT (FINAL)                       | CY   | 31.0  |
| 107.4     | EMBANKMENT (FINAL) (TYPE A)              | CY   | 161.0 |
| 205.2     | HMA PAVEMENT, TYPE B (4" COMP. DEPTH)    | SY   | 963   |
| 209.1     | CONCRETE PAVEMENT (9.5" CRCP)            | SY   | 908   |
| 500.1     | CONCRETE CURB                            | LF   | 166   |
| 500.2     | CONCRETE CURB (MONO)                     | LF   | 325   |
| 502.1     | CONC SIDEWALKS CONV FORMED               | SY   | 728   |
| 503.1     | PORTLAND CEMENT CONCRETE DRIVEWAY        | SY   | 67    |
| 505.1     | CONCRETE RIPRAP (4 INCHES THICK)         | SY   | 57    |
| 506.1     | CONCRETE RETAINING WALLS COMBINATION TYP | CY   | 2.0   |
| 0531-6018 | CURB RAMPS (TY 1)                        | SY   | 65    |
| 0540-6013 | TRANSITION ADJUSTMENT                    | EA   | 1     |
| 0540-6016 | DOWNSTREAM ANCHOR TERMINAL SECTION       | EA   | 1     |

- NOTES:
- SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  - SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  - SEE ROADWAY SUPPLEMENTAL DETAILS FOR ADDITIONAL GEOMETRIC CONTROLS.
  - EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED
  - PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  - SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

DESIGN  
**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/25/2023

APPROVAL  
**INTERIM REVIEW**  
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 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/25/2023



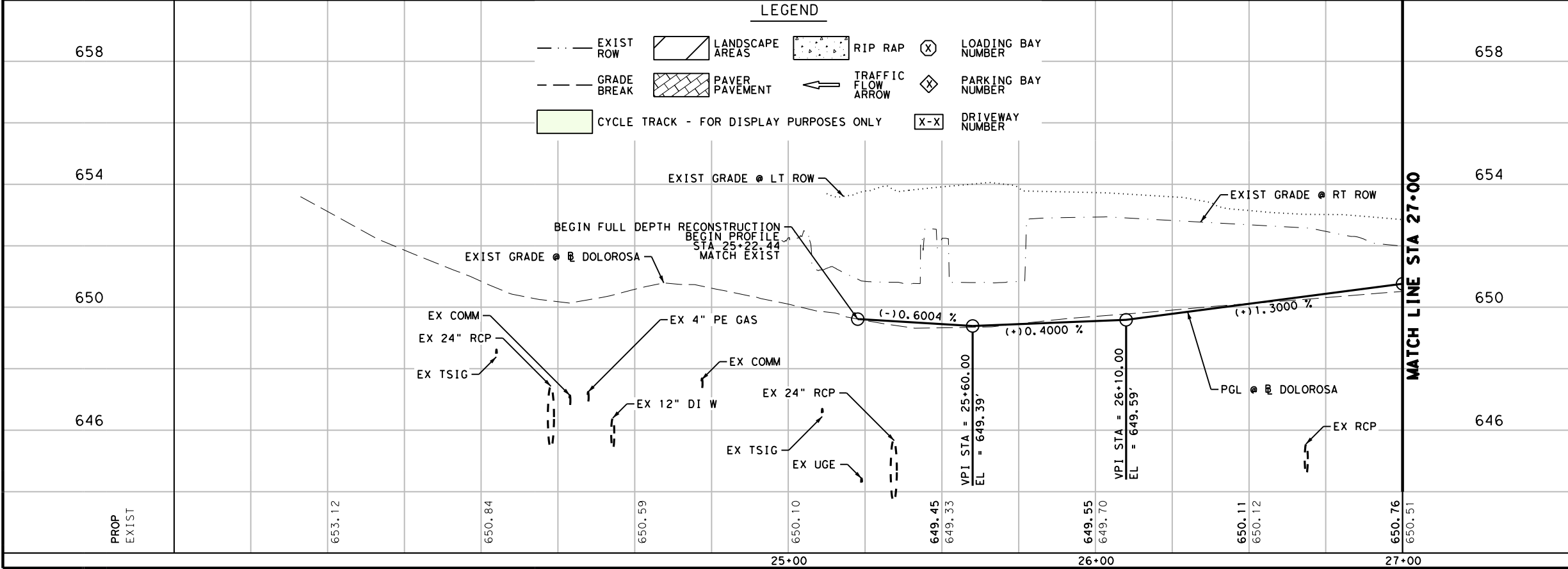
| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**Pape-Dawson Engineers**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**ROADWAY  
 PLAN & PROFILE**

BEGIN PROJECT TO STA 27+00  
 SHEET 1 OF 8

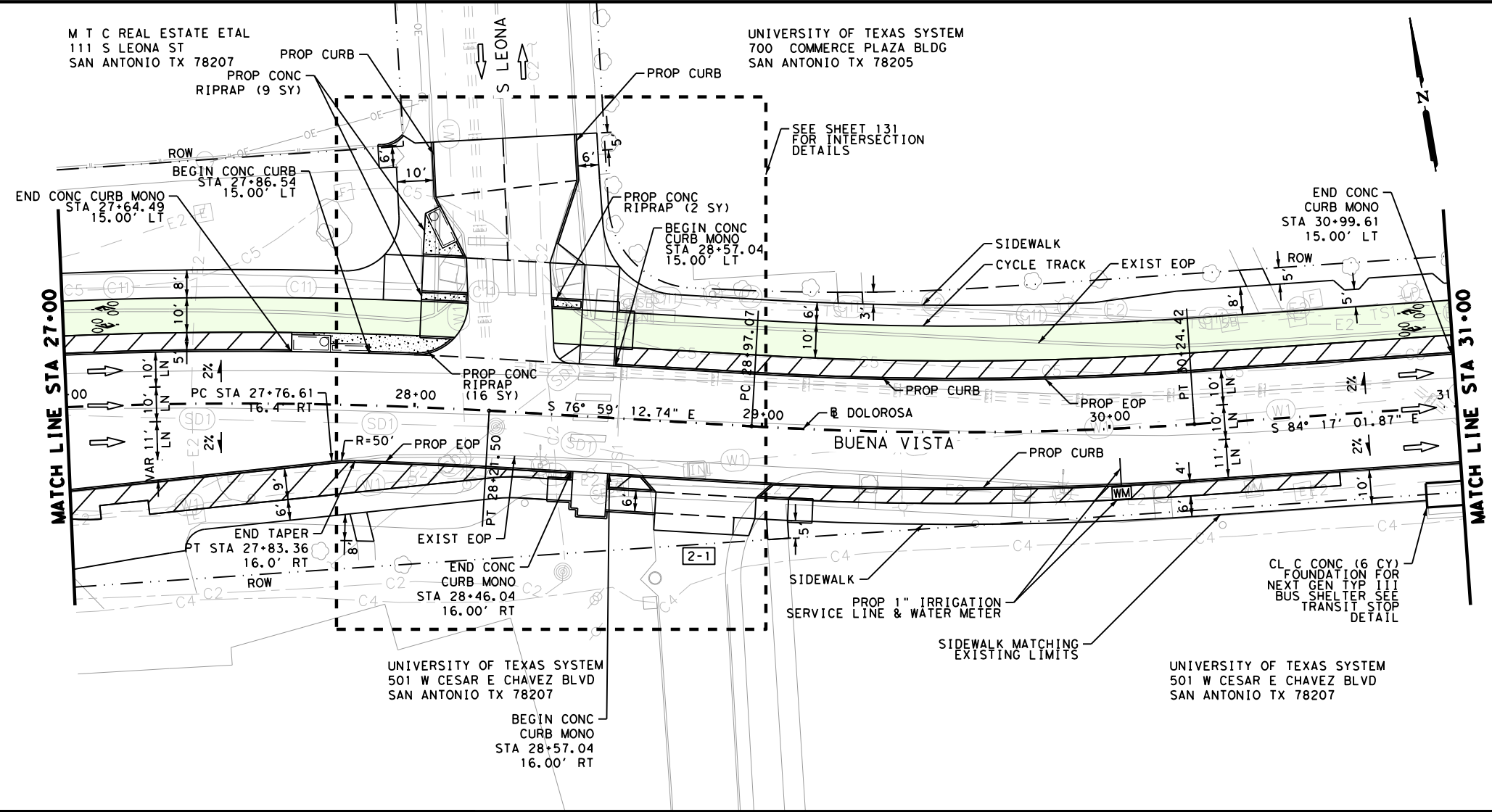


| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 114       |

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Plotted on: 1/25/2023

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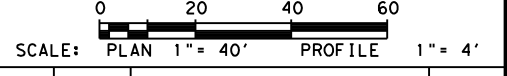


| ITEM      | DESCRIPTION                                  | UNIT | QTY    |
|-----------|----------------------------------------------|------|--------|
| 104.1     | STREET EXCAVATION                            | CY   | 1268.0 |
| 107.1     | EMBANKMENT (FINAL)                           | CY   | 36.0   |
| 107.4     | EMBANKMENT (FINAL) (TYPE A)                  | CY   | 315.0  |
| 205.2     | HMA PAVEMENT, TYPE B (4" COMP. DEPTH)        | SY   | 1887   |
| 209.1     | CONCRETE PAVEMENT (9.5" CRCP)                | SY   | 1689   |
| 500.1     | CONCRETE CURB                                | LF   | 121    |
| 500.2     | CONCRETE CURB (MONO)                         | LF   | 697    |
| 502.1     | CONC SIDEWALKS CONV FORMED                   | SY   | 1048   |
| 503.1     | PORTLAND CEMENT CONCRETE DRIVEWAY            | SY   | 50     |
| 505.1     | CONCRETE RIPRAP (4 INCHES THICK)             | SY   | 27     |
| 824       | 1" SMALL WATER SERVICE                       | EA   | 1      |
| 833       | 1" IRRIGATION METER AND METER BOX (COMPLETE) | EEA  | 1      |
| 0420-6074 | CL C CONC (MISC)                             | CY   | 6.0    |
| 0531-6018 | CURB RAMPS (TY 1)                            | SY   | 78     |
| 0531-6019 | CURB RAMPS (TY 2)                            | SY   | 20     |

- NOTES:
- SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  - SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  - SEE ROADWAY SUPPLEMENTAL DETAILS FOR ADDITIONAL GEOMETRIC CONTROLS.
  - EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED
  - PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  - SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

DESIGN  
**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/25/2023

APPROVAL  
**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/25/2023



| REV. NO. | DATE | DESCRIPTION | BY |
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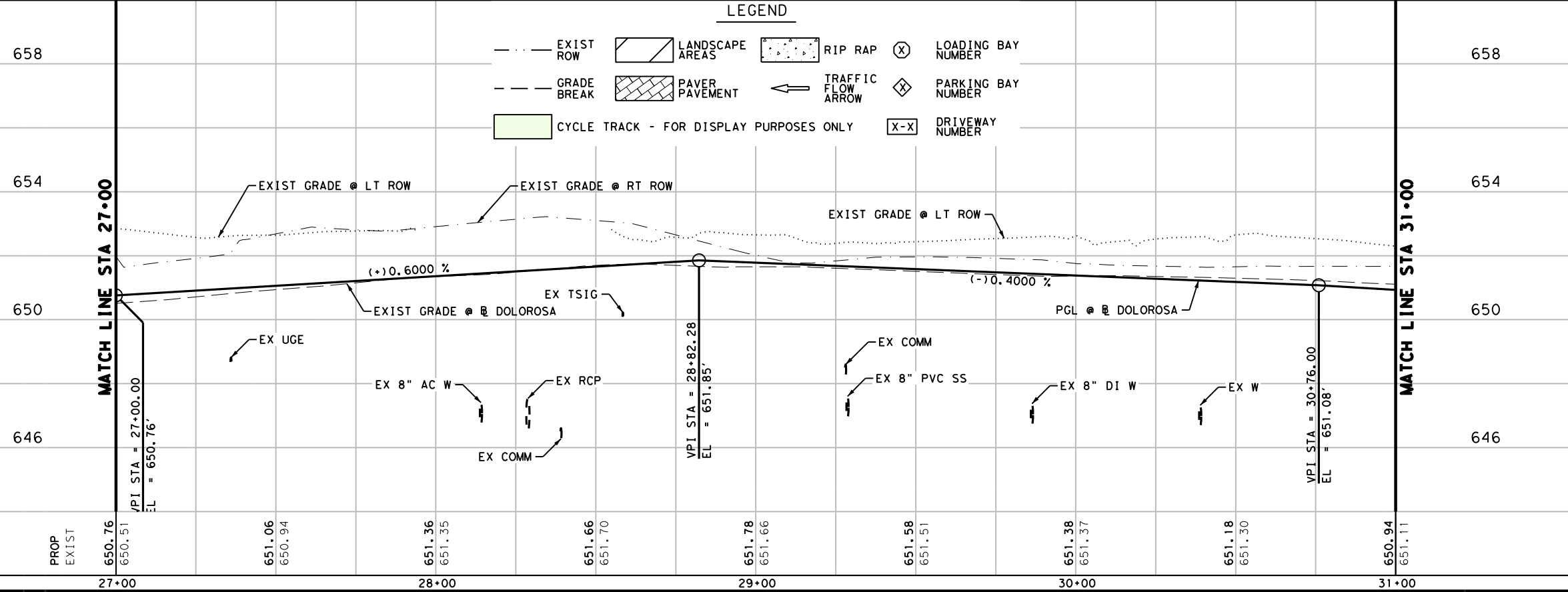
**Pape-Dawson Engineers**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

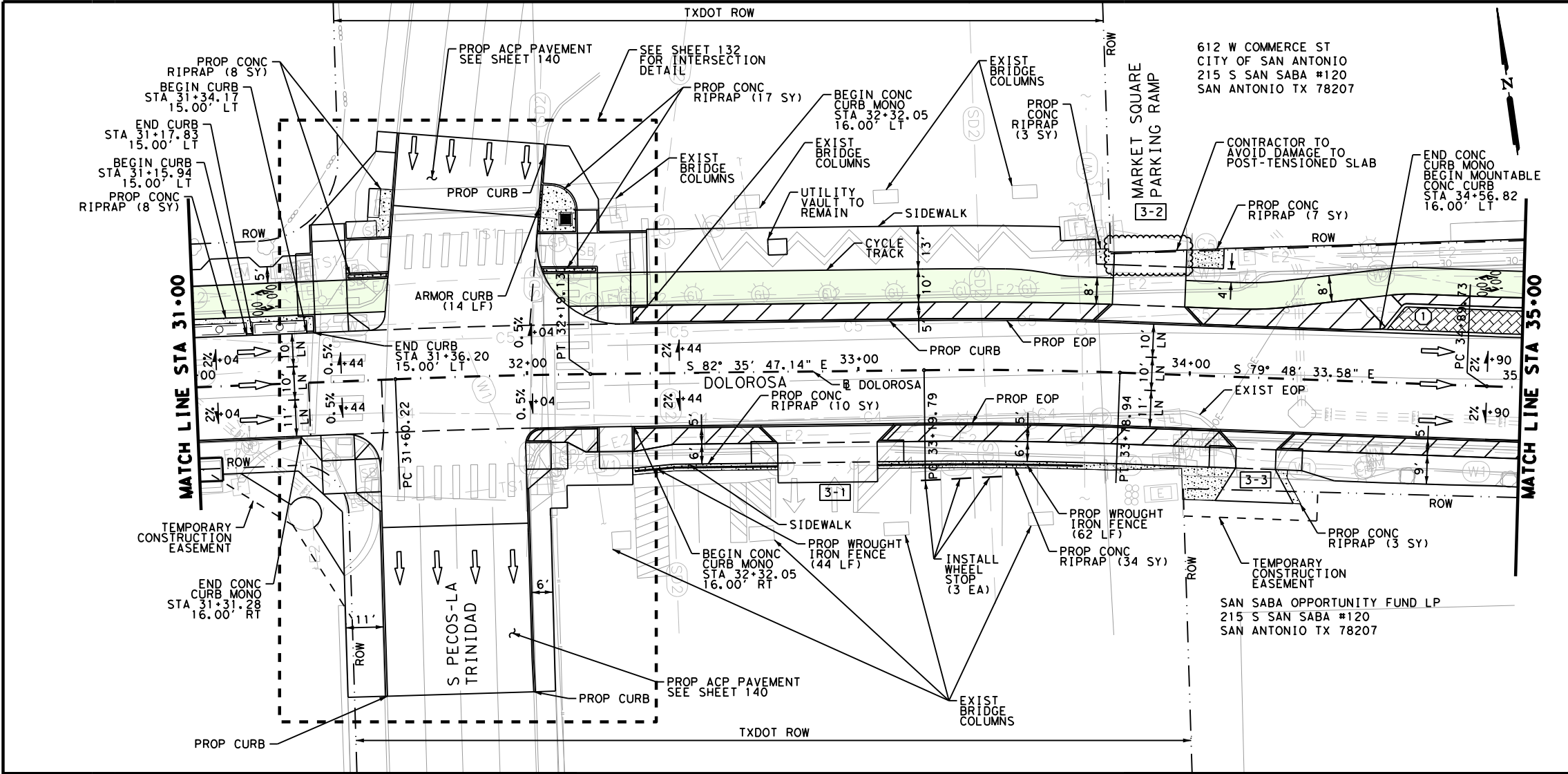
DOLOROSA  
**ROADWAY  
 PLAN & PROFILE**  
 STA 27+00 TO STA 31+00

SHEET 2 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 115       |

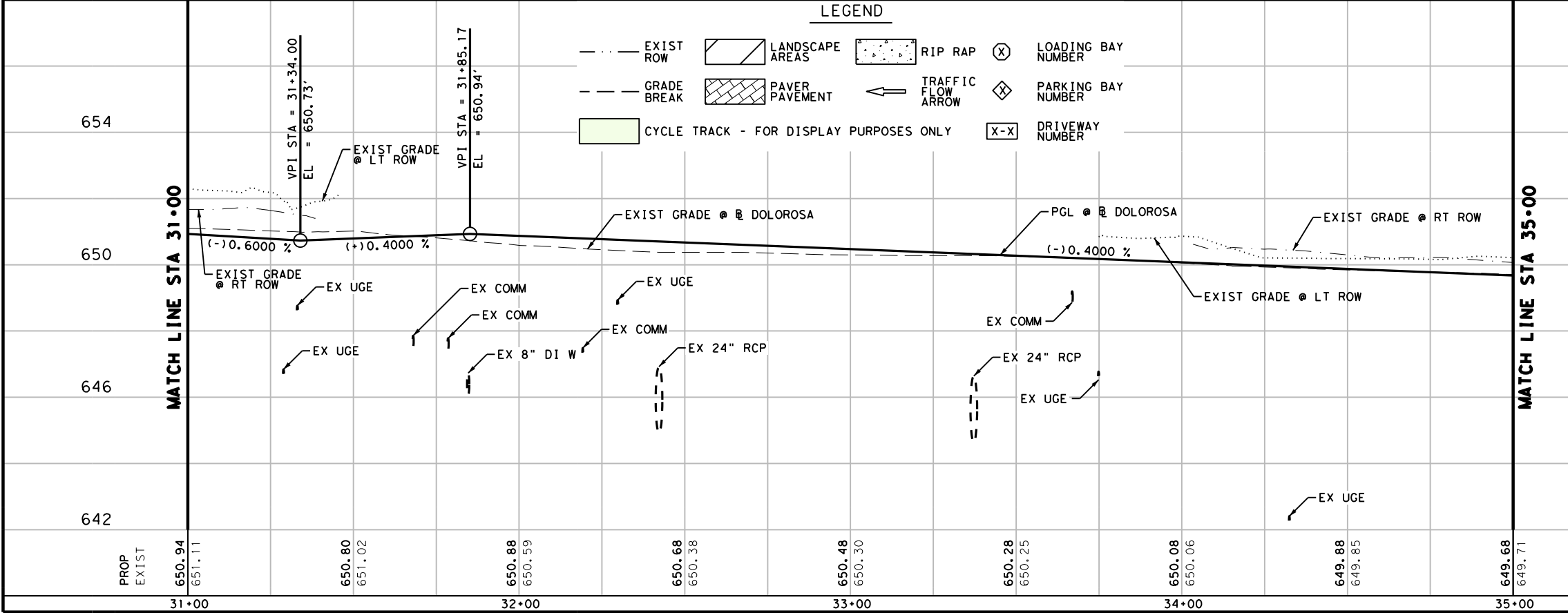


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 Plotted on: 1/25/2023  
 Design File name: P:\122\22\03\Design\Civil\Roadway\1222703\_Row\_03.dgn



| ITEM      | DESCRIPTION                               | UNIT | QTY    |
|-----------|-------------------------------------------|------|--------|
| 104.1     | STREET EXCAVATION                         | CY   | 1455.0 |
| 107.1     | EMBANKMENT (FINAL)                        | CY   | 64.0   |
| 107.4     | EMBANKMENT (FINAL) (TYPE A)               | CY   | 328.0  |
| 205.2     | HMA PAVEMENT, TYPE B (4" COMP. DEPTH)     | SY   | 1966   |
| 209.1     | CONCRETE PAVEMENT (9.5" CRCP)             | SY   | 1075   |
| 209.2     | CONCRETE PAVEMENT (9.5" HES)              | SY   | 686    |
| 500.1     | CONCRETE CURB                             | LF   | 228    |
| 500.2     | CONCRETE CURB (MONO)                      | LF   | 525    |
| 500.5     | CONCRETE CURB (MOUNTABLE)                 | LF   | 43     |
| 500.6     | RIBBON CURB                               | LF   | 47     |
| 502.1     | CONC SIDEWALKS CONV FORMED                | SY   | 1081   |
| 503.1     | PORTLAND CEMENT CONCRETE DRIVEWAY         | SY   | 184    |
| 503.2     | PCC DRIVEWAY COMMERCIAL                   | SY   | 30     |
| 505.1     | CONCRETE RIPRAP (4 INCHES THICK)          | SY   | 90     |
| 0247-6044 | FL BS (CMP IN PLC) (TY A GR 4) (FNAL POS) | CY   | 43.0   |
| 0454-6001 | SEALED EXPANSION JOINT (4 IN) (SEJ - A)   | LF   | 41     |
| 0529-6020 | CONC CURB & GUTTER (ARMOR CURB)           | LF   | 14     |
| 0531-6018 | CURB RAMPS (TY 1)                         | SY   | 187    |
| 3076-6031 | D-GR HMA TY-C PG76-22                     | TON  | 50.0   |
| 3076-6066 | TACK COAT                                 | GAL  | 114.00 |
| 5008-6001 | WHEEL STOPS                               | EA   | 3      |
| 5113-6001 | WROUGHT IRON FENCE                        | LF   | 106    |

- NOTES:
- SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  - SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  - SEE ROADWAY SUPPLEMENTAL DETAILS FOR ADDITIONAL GEOMETRIC CONTROLS.
  - EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED
  - PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  - SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.



**LEGEND**

|       |                                         |  |                 |                 |                    |  |                    |
|-------|-----------------------------------------|--|-----------------|-----------------|--------------------|--|--------------------|
| ---   | EXIST ROW                               |  | LANDSCAPE AREAS |                 | RIP RAP            |  | LOADING BAY NUMBER |
| - - - | GRADE BREAK                             |  | PAVER PAVEMENT  |                 | TRAFFIC FLOW ARROW |  | PARKING BAY NUMBER |
|       | CYCLE TRACK - FOR DISPLAY PURPOSES ONLY |  | X-X             | DRIVEWAY NUMBER |                    |  |                    |

**DESIGN**

INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.

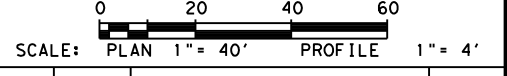
ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/25/2023

**APPROVAL**

INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.

ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/25/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**ROADWAY  
 PLAN & PROFILE**  
 STA 31+00 TO STA 35+00

SHEET 3 OF 8

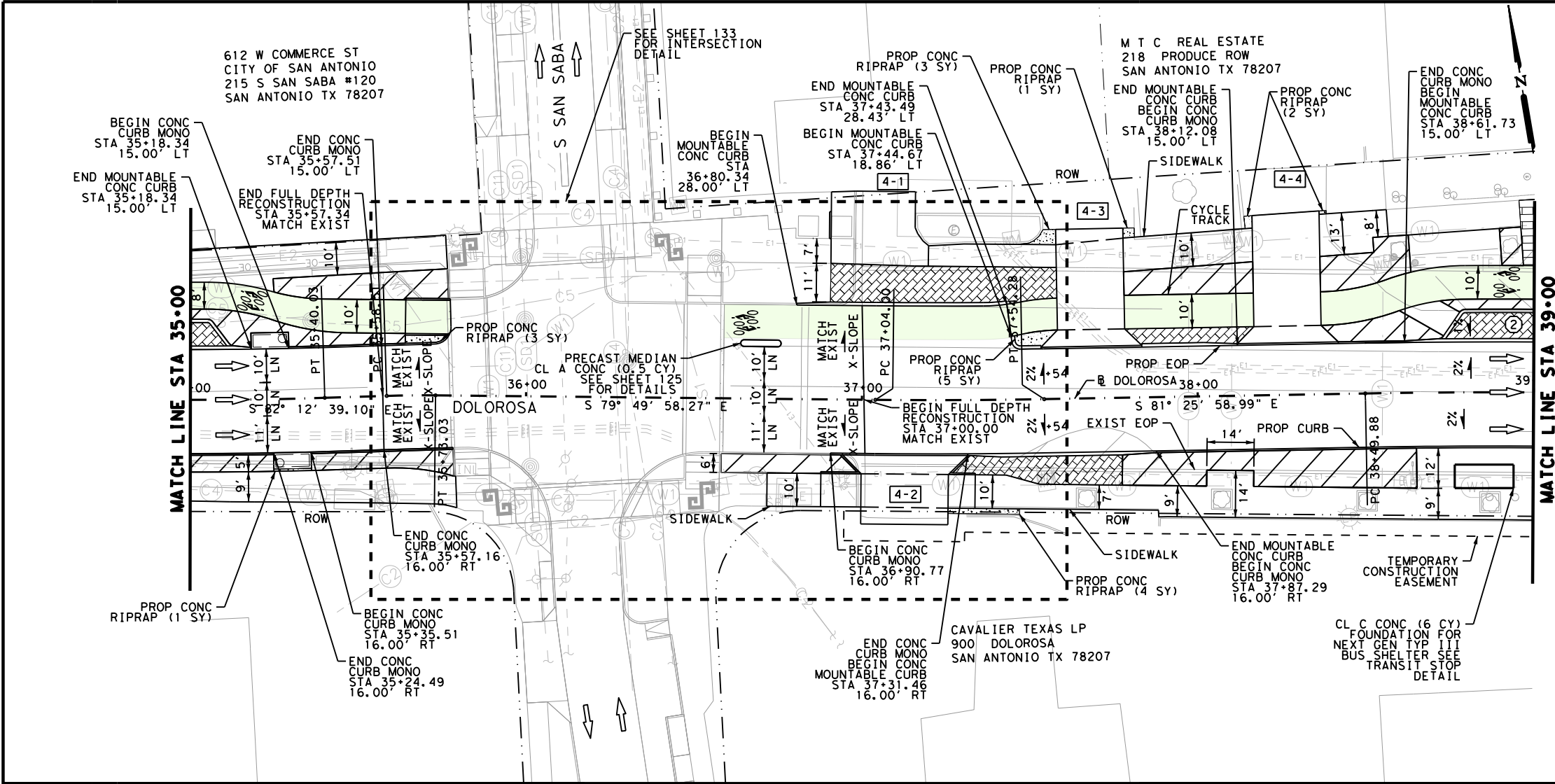
| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
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| ST     | JT      | JG    | 23-03763    | 70%       | 116       |



4:31:40 PM

Plotted on: 1/25/2023

Design File name: P:\122727\03\Civil\Roadway\1222703\_Row\_04.dgn



| ITEM      | DESCRIPTION                              | UNIT | QTY   |
|-----------|------------------------------------------|------|-------|
| 104.1     | STREET EXCAVATION                        | CY   | 802.0 |
| 107.1     | EMBANKMENT (FINAL)                       | CY   | 71.0  |
| 107.4     | EMBANKMENT (FINAL) (TYPE A)              | CY   | 189.0 |
| 205.2     | HMA PAVEMENT, TYPE B (4" COMP. DEPTH)    | SY   | 1130  |
| 209.1     | CONCRETE PAVEMENT (9.5" CRCP)            | SY   | 989   |
| 500.1     | CONCRETE CURB                            | LF   | 63    |
| 500.2     | CONCRETE CURB (MONO)                     | LF   | 275   |
| 500.5     | CONCRETE CURB (MOUNTABLE)                | LF   | 237   |
| 500.6     | RIBBON CURB                              | LF   | 49    |
| 502.1     | CONC SIDEWALKS CONV FORMED               | SY   | 773   |
| 503.1     | PORTLAND CEMENT CONCRETE DRIVEWAY        | SY   | 416   |
| 503.2     | PCC DRIVEWAY COMMERCIAL                  | SY   | 230   |
| 505.1     | CONCRETE RIPRAP (4 INCHES THICK)         | SY   | 19    |
| 506.1     | CONCRETE RETAINING WALLS COMBINATION TYP | CY   | 1.0   |
| 0420-6002 | CL A CONC (MISC)                         | CY   | 0.5   |
| 0420-6074 | CL C CONC (MISC)                         | CY   | 6.0   |
| 0454-6001 | SEALED EXPANSION JOINT (4 IN) (SEJ - A)  | LF   | 34    |
| 0528-6006 | REMOVE AND RELAY PAVERS                  | SY   | 9     |

- NOTES:
- SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  - SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  - SEE ROADWAY SUPPLEMENTAL DETAILS FOR ADDITIONAL GEOMETRIC CONTROLS.
  - EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED
  - PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  - SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

DESIGN

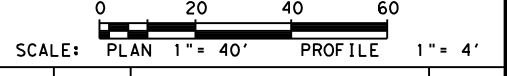
INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/25/2023

APPROVAL

INTERIM REVIEW

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/25/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

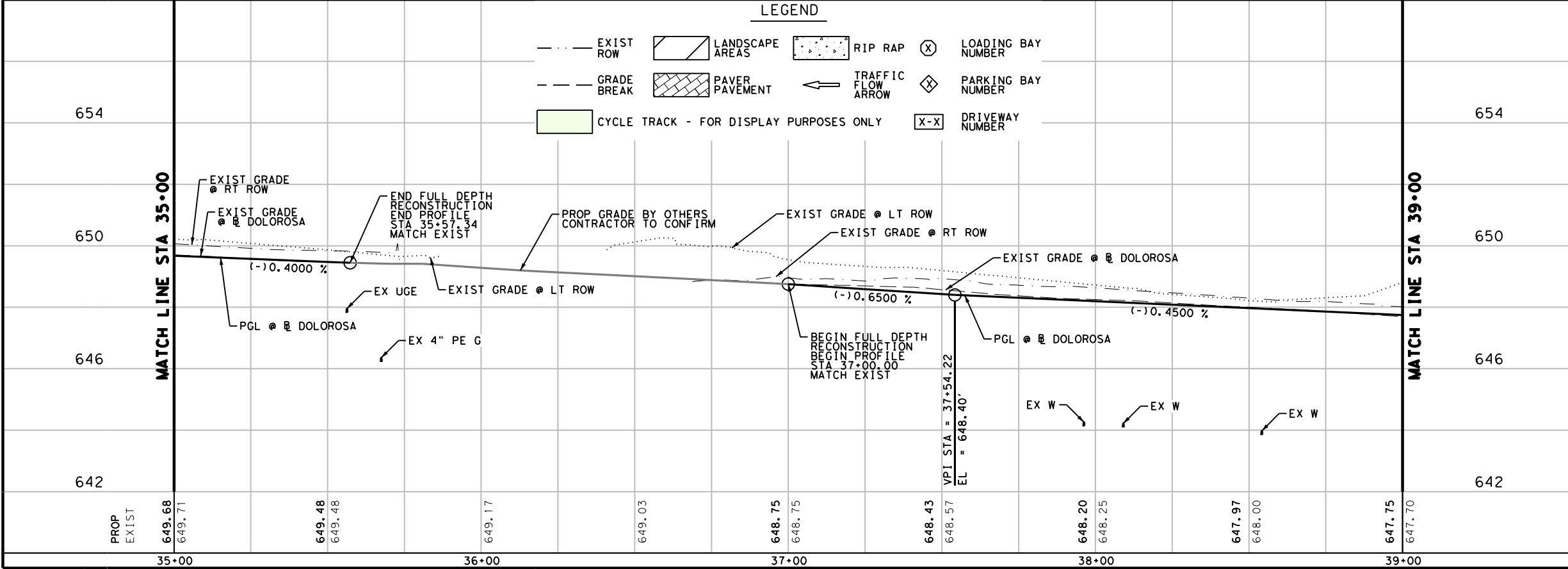
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
 ROADWAY  
 PLAN & PROFILE  
 STA 35+00 TO STA 39+00

SHEET 4 OF 8

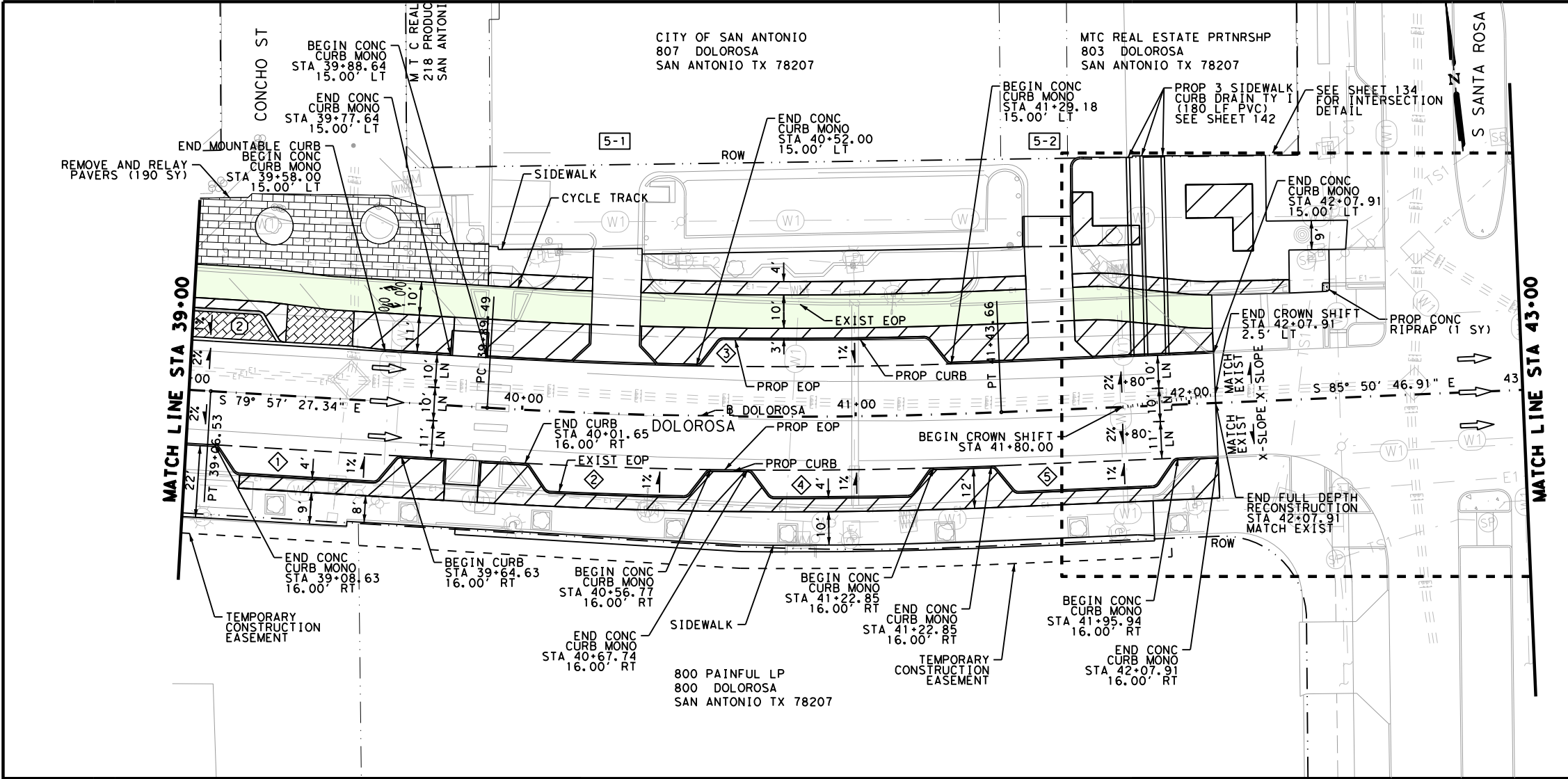
| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 117       |



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Plotted on: 1/25/2023

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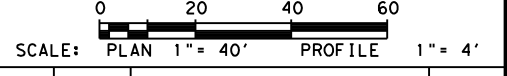


| ITEM      | DESCRIPTION                             | UNIT | QTY    |
|-----------|-----------------------------------------|------|--------|
| 104.1     | STREET EXCAVATION                       | CY   | 1186.0 |
| 107.1     | EMBANKMENT (FINAL)                      | CY   | 302.0  |
| 107.4     | EMBANKMENT (FINAL) (TYPE A)             | CY   | 252.0  |
| 205.2     | HMA PAVEMENT, TYPE B (4" COMP. DEPTH)   | SY   | 1507   |
| 209.1     | CONCRETE PAVEMENT (9.5" CRCP)           | SY   | 1343   |
| 500.1     | CONCRETE CURB                           | LF   | 340    |
| 500.2     | CONCRETE CURB (MONO)                    | LF   | 248    |
| 500.5     | CONCRETE CURB (MOUNTABLE)               | LF   | 58     |
| 500.6     | RIBBON CURB                             | LF   | 32     |
| 502.1     | CONC SIDEWALKS CONV FORMED              | SY   | 983    |
| 503.1     | PORTLAND CEMENT CONCRETE DRIVEWAY       | SY   | 172    |
| 503.2     | PCC DRIVEWAY COMMERCIAL                 | SY   | 44     |
| 505.1     | CONCRETE RIPRAP (4 INCHES THICK)        | SY   | 1      |
| 618.3     | CONDUIT (4 INCH/PVC SCH 40)             | LF   | 180    |
| 824       | 1" SMALL WATER SERVICE                  | EA   | 1      |
| 0454-6001 | SEALED EXPANSION JOINT (4 IN) (SEJ - A) | LF   | 46     |
| 0528-6006 | REMOVE AND RELAY PAVERS                 | SY   | 181    |
| 0531-6018 | CURB RAMPS (TY 1)                       | SY   | 44     |

- NOTES:
- SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  - SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  - SEE ROADWAY SUPPLEMENTAL DETAILS FOR ADDITIONAL GEOMETRIC CONTROLS.
  - EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED
  - PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  - SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

DESIGN  
**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/25/2023

APPROVAL  
**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/25/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

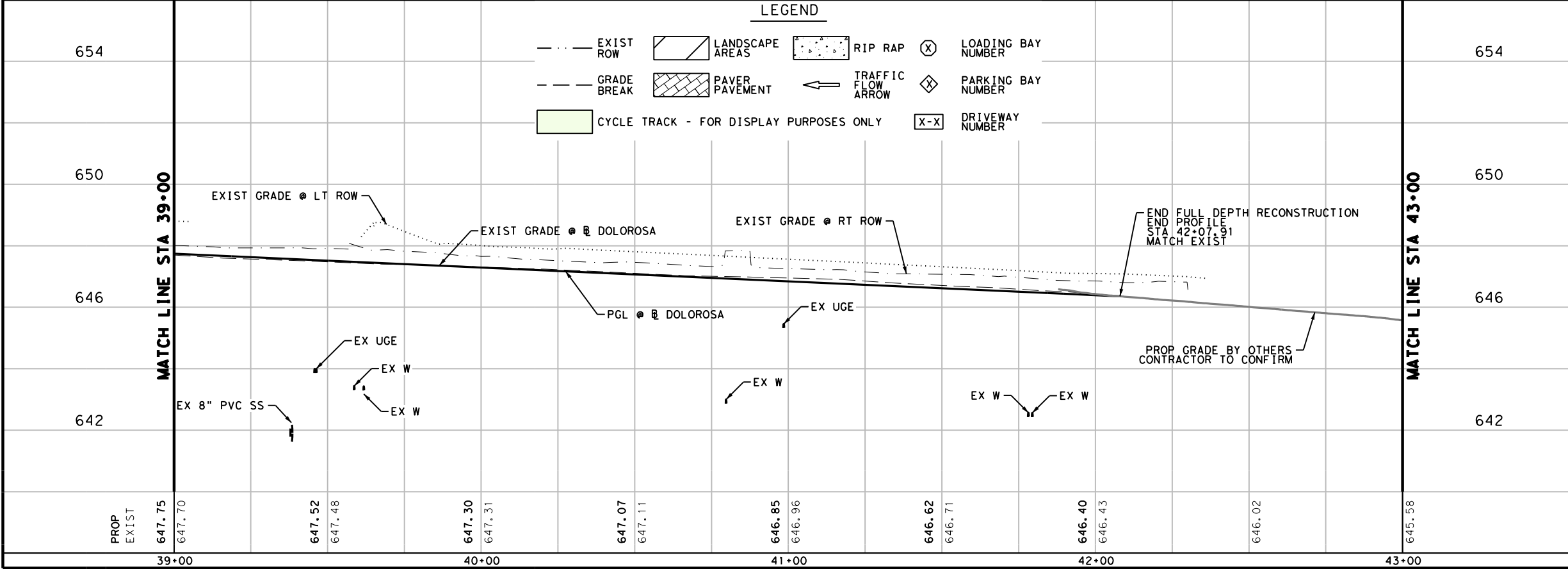
**PAPE-DAWSON ENGINEERS**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**ROADWAY PLAN & PROFILE**  
 STA 39+00 TO STA 43+00

SHEET 5 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 118       |



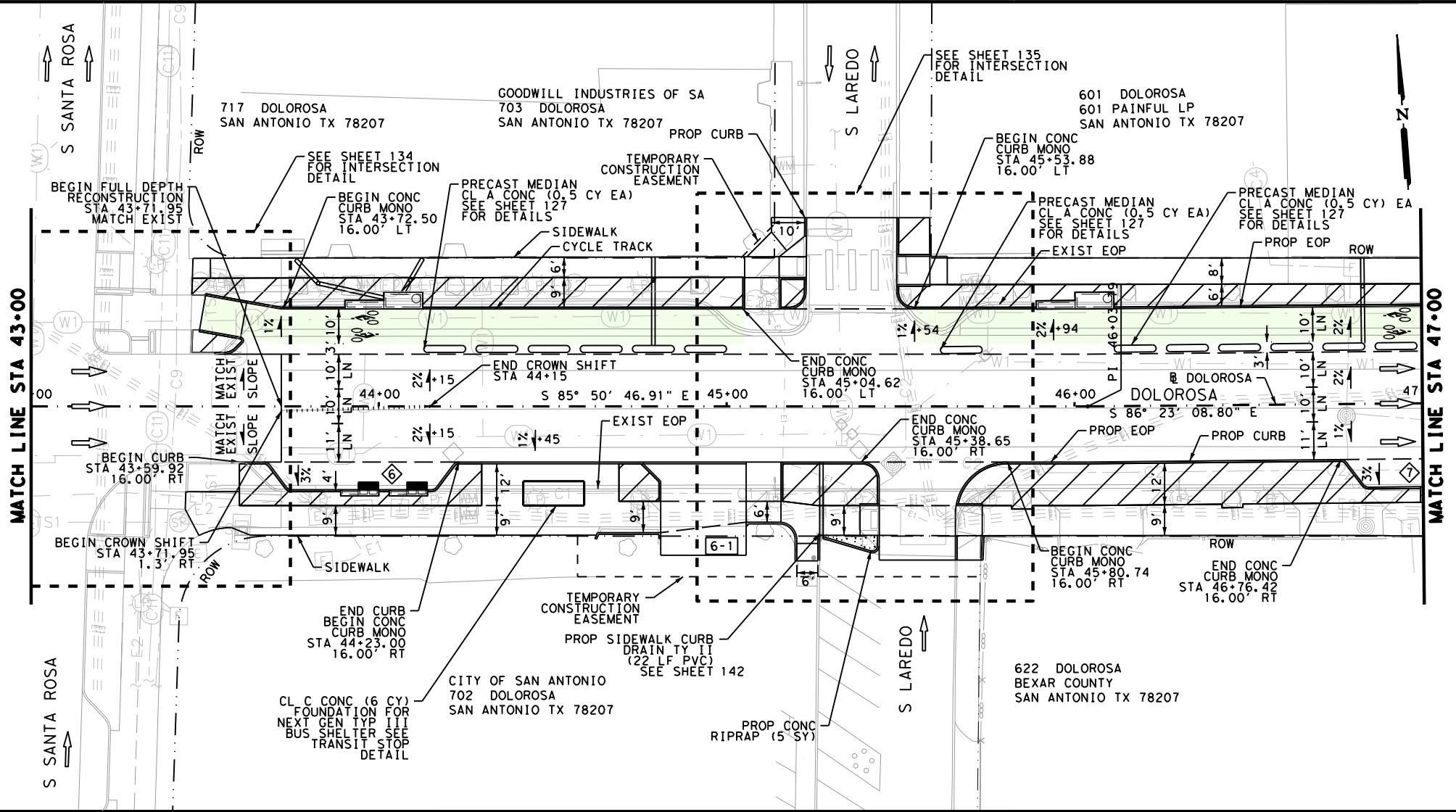


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Plotted on: 1/25/2023

Design File name: P:\122703\03\Design\Civil\Roadway\1222703\_Row\_06.dgn

| ITEM      | DESCRIPTION                              | UNIT | QTY    |
|-----------|------------------------------------------|------|--------|
| 104.1     | STREET EXCAVATION                        | CY   | 1325.0 |
| 107.1     | EMBANKMENT (FINAL)                       | CY   | 64.0   |
| 107.4     | EMBANKMENT (FINAL) (TYPE A)              | CY   | 340.0  |
| 205.2     | HMA PAVEMENT, TYPE B (4" COMP. DEPTH)    | SY   | 2038   |
| 209.1     | CONCRETE PAVEMENT (9.5" CRCP)            | SY   | 1877   |
| 500.1     | CONCRETE CURB                            | LF   | 242    |
| 500.2     | CONCRETE CURB (MONO)                     | LF   | 446    |
| 502.1     | CONC SIDEWALKS CONV FORMED               | SY   | 577    |
| 503.1     | PORTLAND CEMENT CONCRETE DRIVEWAY        | SY   | 74     |
| 505.1     | CONCRETE RIPRAP (4 INCHES THICK)         | SY   | 5      |
| 506.1     | CONCRETE RETAINING WALLS COMBINATION TYP | CY   | 69.0   |
| 618.3     | CONDUIT (4 INCH/PVC SCH 40)              | LF   | 22     |
| 0420-6002 | CL A CONC (MISC)                         | CY   | 6.5    |
| 0420-6074 | CL C CONC (MISC)                         | CY   | 6.0    |
| 0531-6018 | CURB RAMPS (TY 1)                        | SY   | 72     |



- NOTES:
1. SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  2. SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  3. SEE ROADWAY SUPPLEMENTAL DETAILS FOR ADDITIONAL GEOMETRIC CONTROLS.
  4. EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED
  5. PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  6. SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

DESIGN

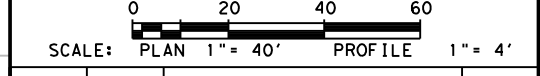
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/25/2023

APPROVAL

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/25/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

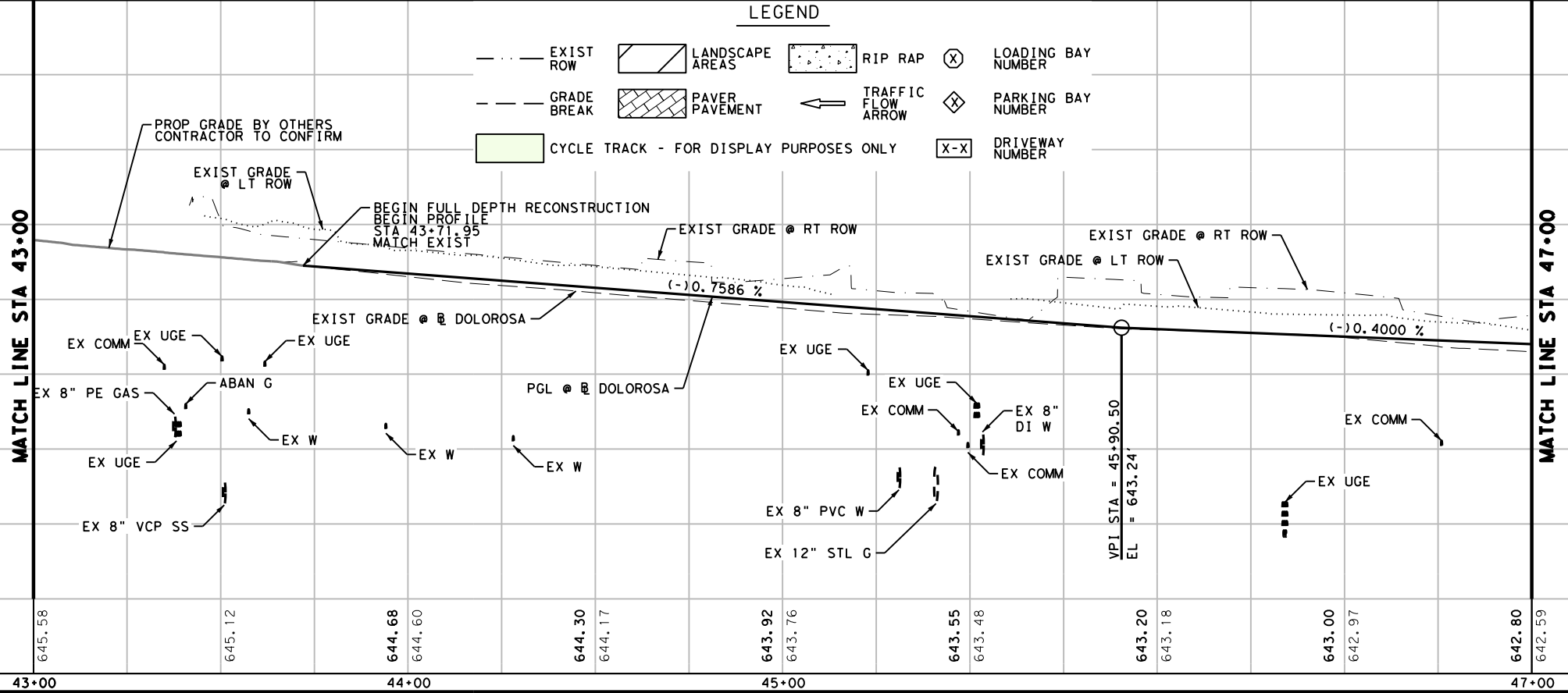
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**ROADWAY  
 PLAN & PROFILE**  
 STA 43+00 TO STA 47+00

SHEET 6 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 119       |



**LEGEND**

|                                           |                 |                      |                      |
|-------------------------------------------|-----------------|----------------------|----------------------|
| --- EXIST ROW                             | LANDSCAPE AREAS | ⊗ RIP RAP            | ⊗ LOADING BAY NUMBER |
| - - - GRADE BREAK                         | PAVER PAVEMENT  | ← TRAFFIC FLOW ARROW | ⊗ PARKING BAY NUMBER |
| █ CYCLE TRACK - FOR DISPLAY PURPOSES ONLY |                 | ⊗ DRIVEWAY NUMBER    |                      |

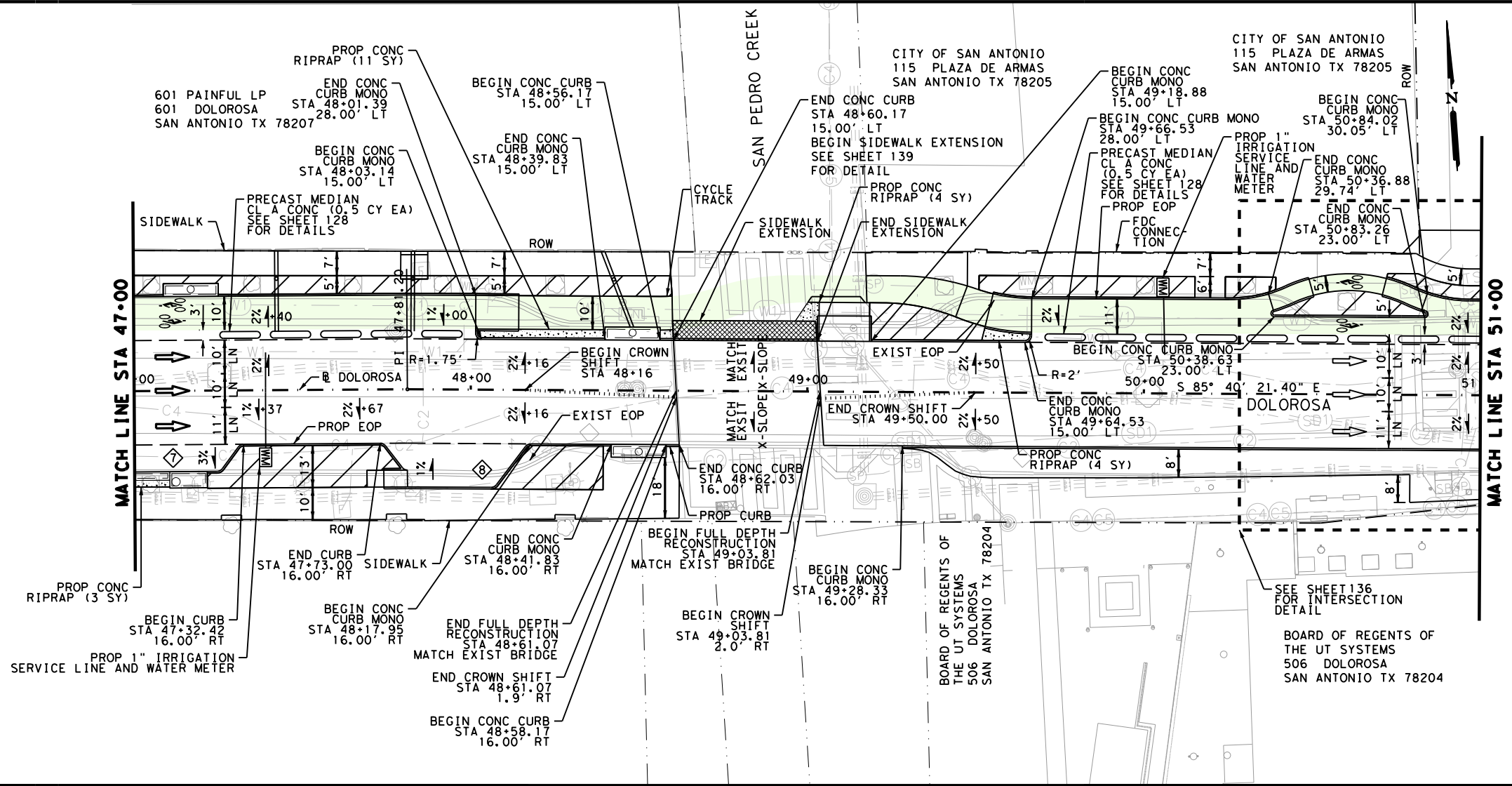


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Plotted on: 1/25/2023

Design File name: P:\122\22\03\Civil\Roadway\1222703\_Rdw\_07.dgn

| ITEM      | DESCRIPTION                                  | UNIT | QTY    |
|-----------|----------------------------------------------|------|--------|
| 104.1     | STREET EXCAVATION                            | CY   | 1169.0 |
| 107.1     | EMBANKMENT (FINAL)                           | CY   | 57.0   |
| 107.4     | EMBANKMENT (FINAL) (TYPE A)                  | CY   | 304.0  |
| 205.2     | HMA PAVEMENT, TYPE B (4" COMP. DEPTH)        | SY   | 1824   |
| 209.1     | CONCRETE PAVEMENT (9.5" CRCP)                | SY   | 1668   |
| 500.1     | CONCRETE CURB                                | LF   | 100    |
| 500.2     | CONCRETE CURB (MONO)                         | LF   | 541    |
| 502.1     | CONC SIDEWALKS CONV FORMED                   | SY   | 804    |
| 502.3     | CONC SIDEWALKS (EXTENSION)                   | SY   | 28     |
| 505.1     | CONCRETE RIPRAP (4 INCHES THICK)             | SY   | 22     |
| 824       | 1" SMALL WATER SERVICE                       | EA   | 2      |
| 833       | 1" IRRIGATION METER AND METER BOX (COMPLETE) | EA   | 2      |
| 0420-6002 | CL A CONC (MISC)                             | CY   | 7.0    |
| 0531-6018 | CURB RAMPS (TY 1)                            | SY   | 28     |



- NOTES:
1. SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
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  3. SEE ROADWAY SUPPLEMENTAL DETAILS FOR ADDITIONAL GEOMETRIC CONTROLS.
  4. EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED
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  6. SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

DESIGN

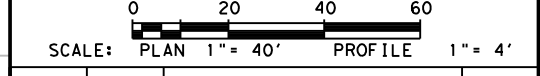
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/25/2023

APPROVAL

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/25/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

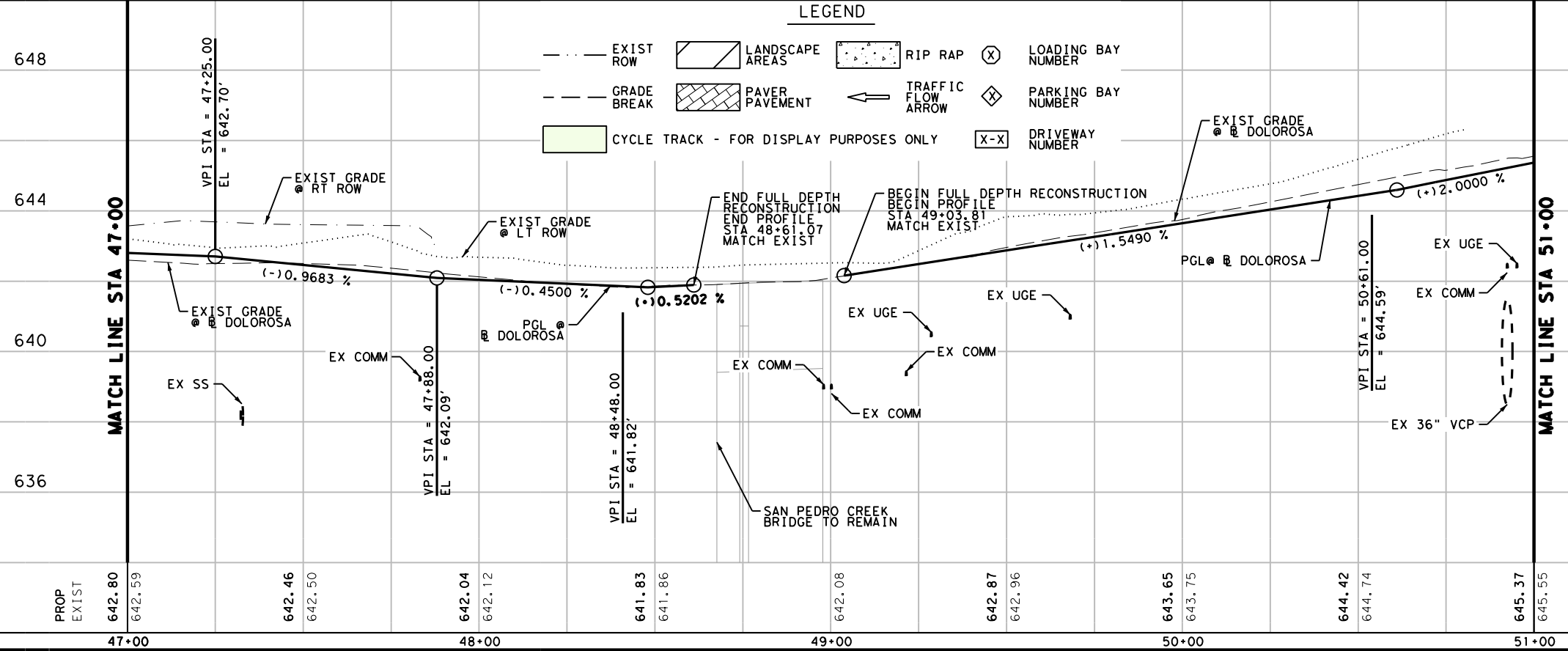
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**ROADWAY  
 PLAN & PROFILE**  
 STA 47+00 TO STA 51+00

SHEET 7 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 120       |



**LEGEND**

|                                           |                   |                      |                      |
|-------------------------------------------|-------------------|----------------------|----------------------|
| --- EXIST ROW                             | LANDSCAPE AREAS   | RIP RAP              | ⊗ LOADING BAY NUMBER |
| - - - GRADE BREAK                         | PAVER PAVEMENT    | ← TRAFFIC FLOW ARROW | ⊠ PARKING BAY NUMBER |
| █ CYCLE TRACK - FOR DISPLAY PURPOSES ONLY | ⊠ DRIVEWAY NUMBER |                      |                      |

4:32:03 PM

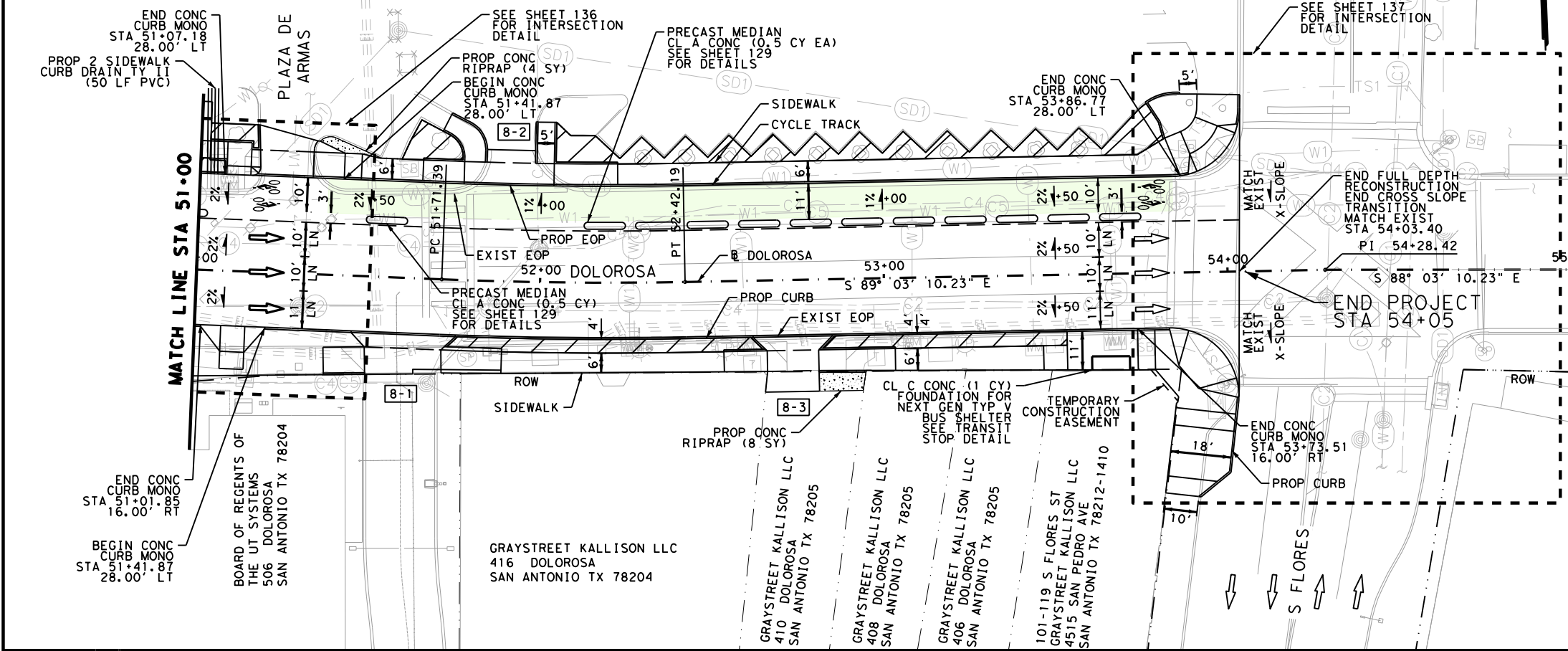
Plotted on: 1/25/2023

Design File name: P:\122\27\03\Civil\Roadway\1222703\_Rdw\_08.dgn

**LEGEND**

- EXIST ROW
- GRADE BREAK
- CYCLE TRACK - FOR DISPLAY PURPOSES ONLY
- LANDSCAPE AREAS
- PAVER PAVEMENT
- RIP RAP
- LOADING BAY NUMBER
- TRAFFIC FLOW ARROW
- DRIVEWAY NUMBER
- PARKING BAY NUMBER

CITY OF SAN ANTONIO  
100 MILITARY PLAZA  
SAN ANTONIO TX 78205



| ITEM      | DESCRIPTION                           | UNIT | QTY   |
|-----------|---------------------------------------|------|-------|
| 104.1     | STREET EXCAVATION                     | CY   | 961.0 |
| 107.1     | EMBANKMENT (FINAL)                    | CY   | 28.0  |
| 107.4     | EMBANKMENT (FINAL) (TYPE A)           | CY   | 280.0 |
| 205.2     | HMA PAVEMENT, TYPE B (4" COMP. DEPTH) | SY   | 1676  |
| 209.1     | CONCRETE PAVEMENT (9.5" CRCP)         | SY   | 1403  |
| 209.2     | CONCRETE PAVEMENT (9.5" HES)          | SY   | 134   |
| 500.1     | CONCRETE CURB                         | LF   | 24    |
| 500.2     | CONCRETE CURB (MONO)                  | LF   | 504   |
| 502.1     | CONC SIDEWALKS CONV FORMED            | SY   | 413   |
| 503.1     | PORTLAND CEMENT CONCRETE DRIVEWAY     | SY   | 104   |
| 505.1     | CONCRETE RIPRAP (4 INCHES THICK)      | SY   | 12    |
| 618.3     | CONDUIT (4 INCH/PVC SCH 40)           | LF   | 50    |
| 0420-6002 | CL A CONC (MISC)                      | CY   | 6.0   |
| 0420-6074 | CL C CONC (MISC)                      | CY   | 1.0   |
| 0531-6018 | CURB RAMPS (TY 1)                     | SY   | 17    |
| 0531-6022 | CURB RAMPS (TY 5)                     | SY   | 100   |
| 0531-6023 | CURB RAMPS (TY 6)                     | SY   | 12    |
| 0531-6027 | CURB RAMPS (TY 10)                    | SY   | 14    |

- NOTES:**
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**DESIGN**

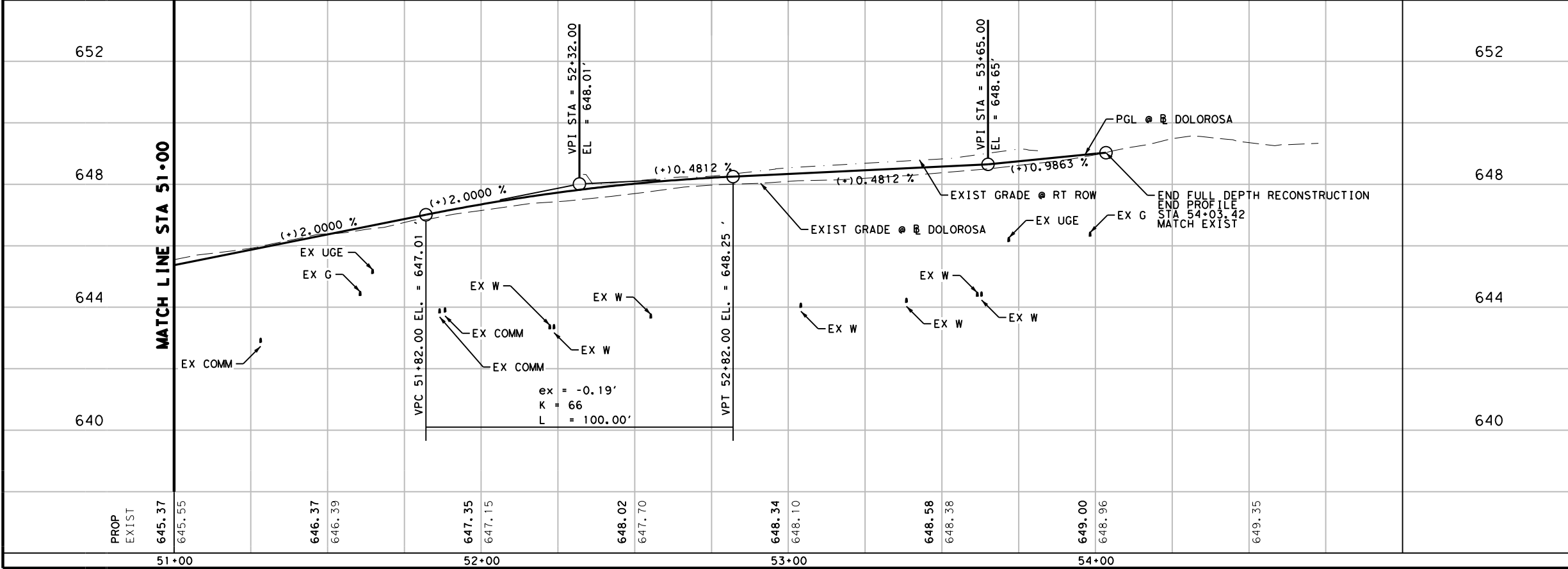
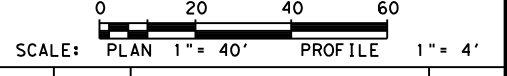
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: STEVEN J. TATE  
P.E. SERIAL NO: 131443  
DATE: 1/25/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: JOHN A. TYLER  
P.E. SERIAL NO: 105193  
DATE: 1/25/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

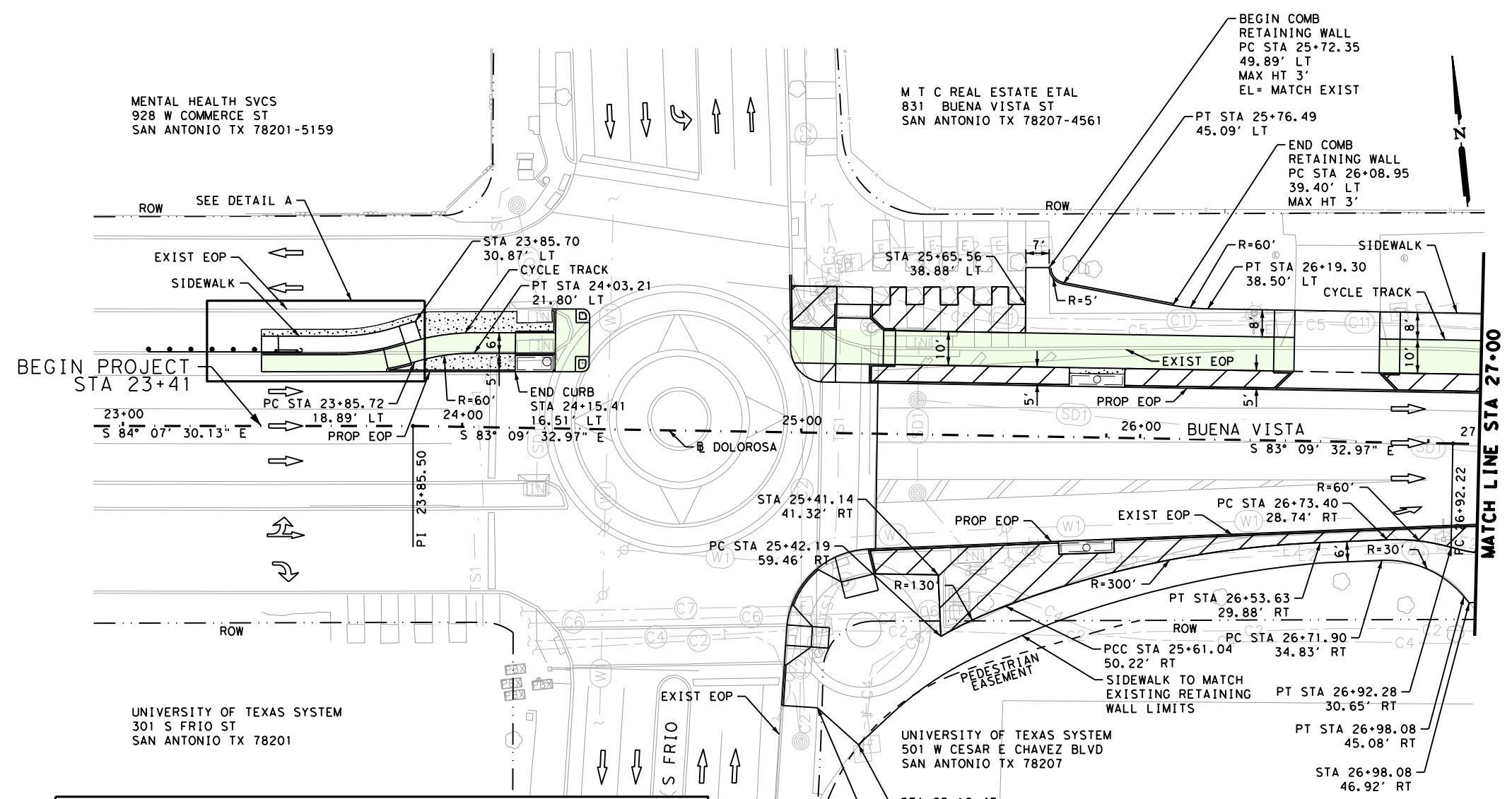
CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**ROADWAY  
PLAN & PROFILE**

STA 51+00 TO END PROJECT

SHEET 8 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 121       |



**LEGEND**

|             |                                         |                     |                    |
|-------------|-----------------------------------------|---------------------|--------------------|
| ---         | EXIST ROW                               | [Hatched Box]       | LANDSCAPE AREAS    |
| .....       | ROADWAY CROWN                           | [Cross-hatched Box] | PAVER PAVEMENT     |
| ---         | GRADE BREAK                             | [Dotted Box]        | RIP RAP            |
| →           | TRAFFIC FLOW                            | [Diamond]           | PARKING BAY NUMBER |
| X-X         | DRIVEWAY NUMBER                         | [Circle with X]     | LOADING BAY NUMBER |
| [Green Box] | CYCLE TRACK - FOR DISPLAY PURPOSES ONLY |                     |                    |

- NOTES:**
1. SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  2. SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  3. ALL PAYMENT FOR ROADWAY RELATED ITEMS MADE ON PLAN PROFILE SHEETS.
  4. EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED
  5. PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
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**DESIGN**

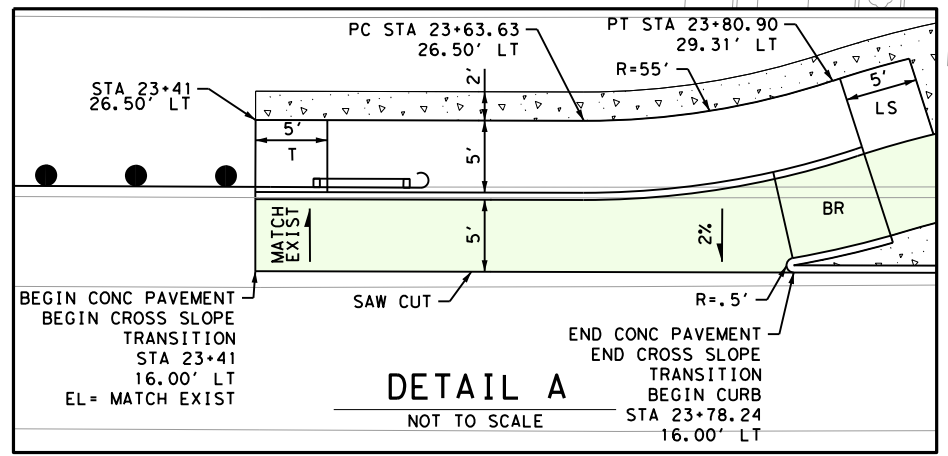
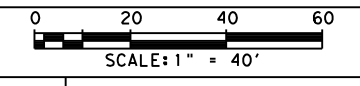
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

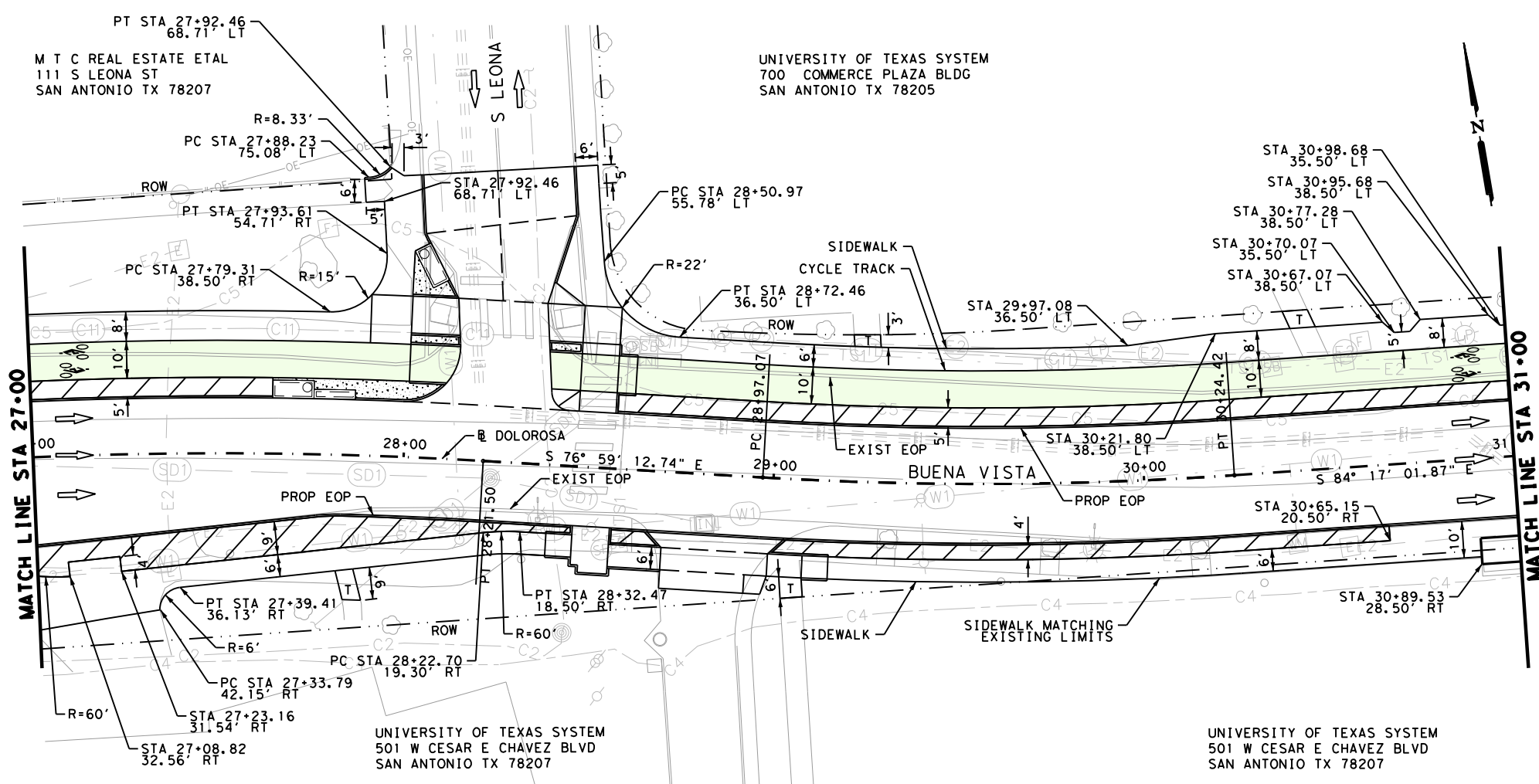
DOLOROSA  
**ROADWAY SUPPLEMENTAL DETAILS**

BEGIN PROJECT TO STA 27+00

SHEET 1 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 122       |





**LEGEND**

- EXIST ROW
- ..... ROADWAY CROWN
- - - GRADE BREAK
- TRAFFIC FLOW
- [X-X] DRIVEWAY NUMBER
- [◇] PARKING BAY NUMBER
- [◇] LOADING BAY NUMBER
- [ ] CYCLE TRACK - FOR DISPLAY PURPOSES ONLY
- [ ] LANDSCAPE AREAS
- [ ] PAVER PAVEMENT
- [ ] RIP RAP

- NOTES:**
- SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  - SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  - ALL PAYMENT FOR ROADWAY RELATED ITEMS MADE ON PLAN PROFILE SHEETS.
  - EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED.
  - PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  - SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

**DESIGN**

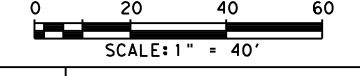
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

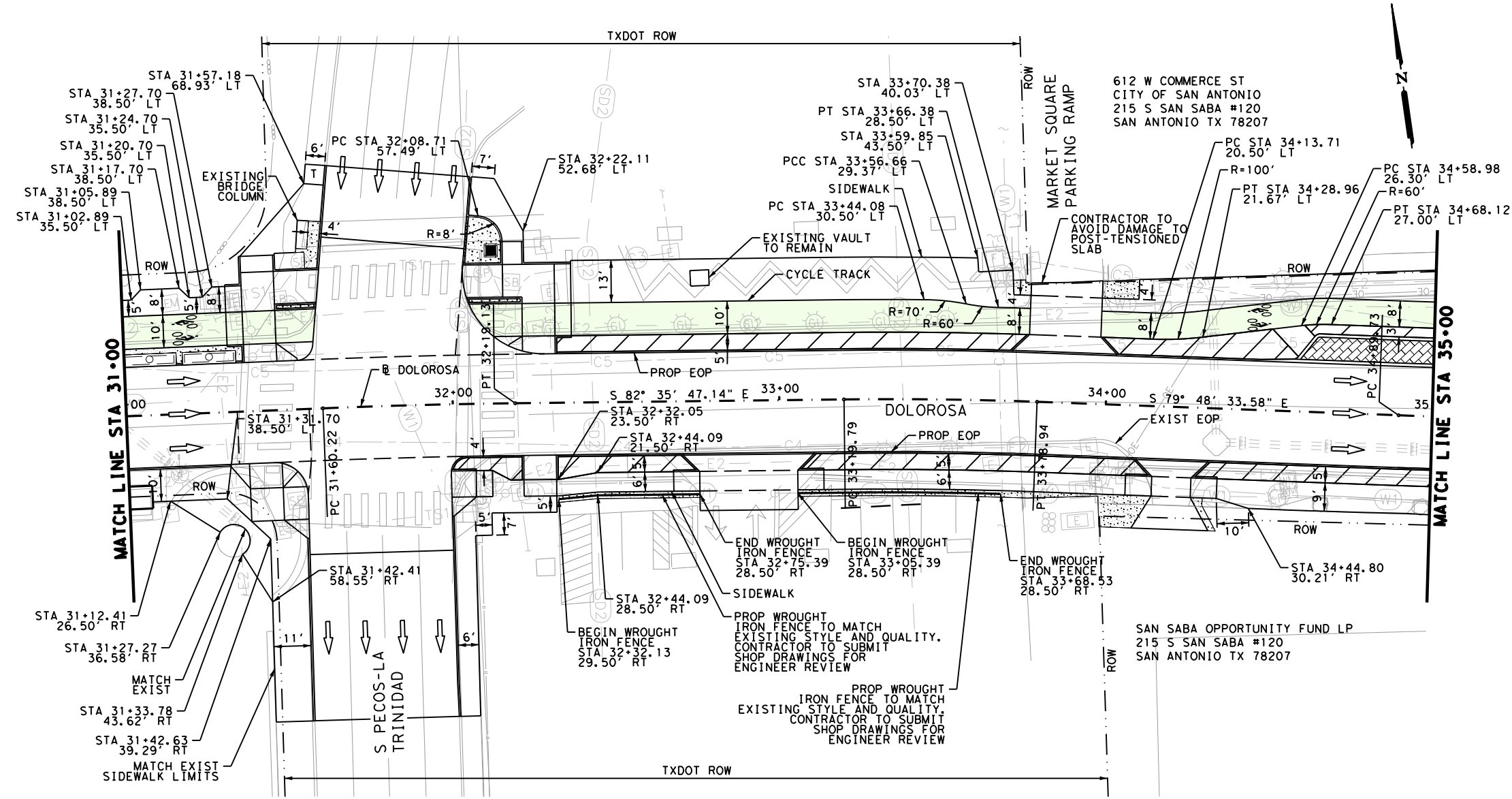
CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
 ROADWAY  
 SUPPLEMENTAL DETAILS

STA 27+00 TO STA 31+00

SHEET 2 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 123       |



**LEGEND**

|       |                    |                     |                                         |
|-------|--------------------|---------------------|-----------------------------------------|
| ---   | EXIST ROW          | [Hatched Box]       | LANDSCAPE AREAS                         |
| ..... | ROADWAY CROWN      | [Cross-hatched Box] | PAVER PAVEMENT                          |
| ---   | GRADE BREAK        | [Dotted Box]        | RIP RAP                                 |
| →     | TRAFFIC FLOW ARROW | [Diamond with X]    | PARKING BAY NUMBER                      |
| X-X   | DRIVEWAY NUMBER    | [Diamond with X]    | LOADING BAY NUMBER                      |
| ◇     | PARKING BAY NUMBER | [Green Box]         | CYCLE TRACK - FOR DISPLAY PURPOSES ONLY |

- NOTES:**
1. SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  2. SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  3. ALL PAYMENT FOR ROADWAY RELATED ITEMS MADE ON PLAN PROFILE SHEETS.
  4. EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED.
  5. PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  6. SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

**DESIGN**

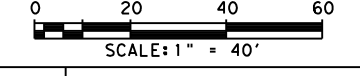
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

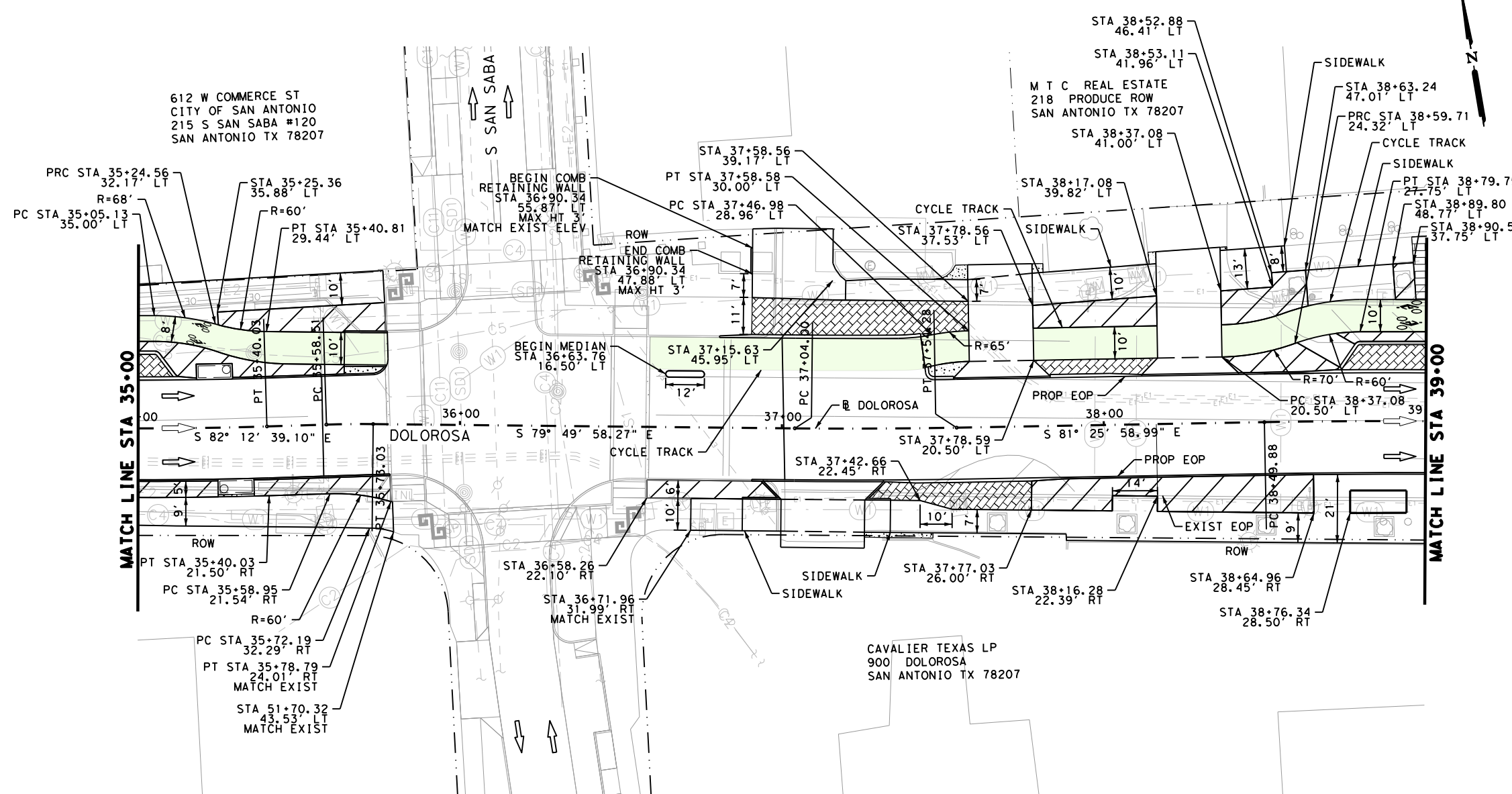
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
 ROADWAY  
 SUPPLEMENTAL DETAILS

STA 31+00 TO STA 35+00  
 SHEET 3 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 124       |



**LEGEND**

|             |                                         |                     |                    |
|-------------|-----------------------------------------|---------------------|--------------------|
| ---         | EXIST ROW                               | [Hatched Box]       | LANDSCAPE AREAS    |
| .....       | ROADWAY CROWN                           | [Cross-hatched Box] | PAVER PAVEMENT     |
| - - - -     | GRADE BREAK                             | [Dotted Box]        | RIP RAP            |
| →           | TRAFFIC FLOW                            | [Diamond]           | PARKING BAY NUMBER |
| ↔           | DRIVEWAY NUMBER                         | [Circle with X]     | LOADING BAY NUMBER |
| [Green Box] | CYCLE TRACK - FOR DISPLAY PURPOSES ONLY |                     |                    |

- NOTES:**
1. SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  2. SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  3. ALL PAYMENT FOR ROADWAY RELATED ITEMS MADE ON PLAN PROFILE SHEETS.
  4. EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED.
  5. PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  6. SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

**DESIGN**

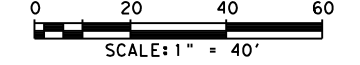
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

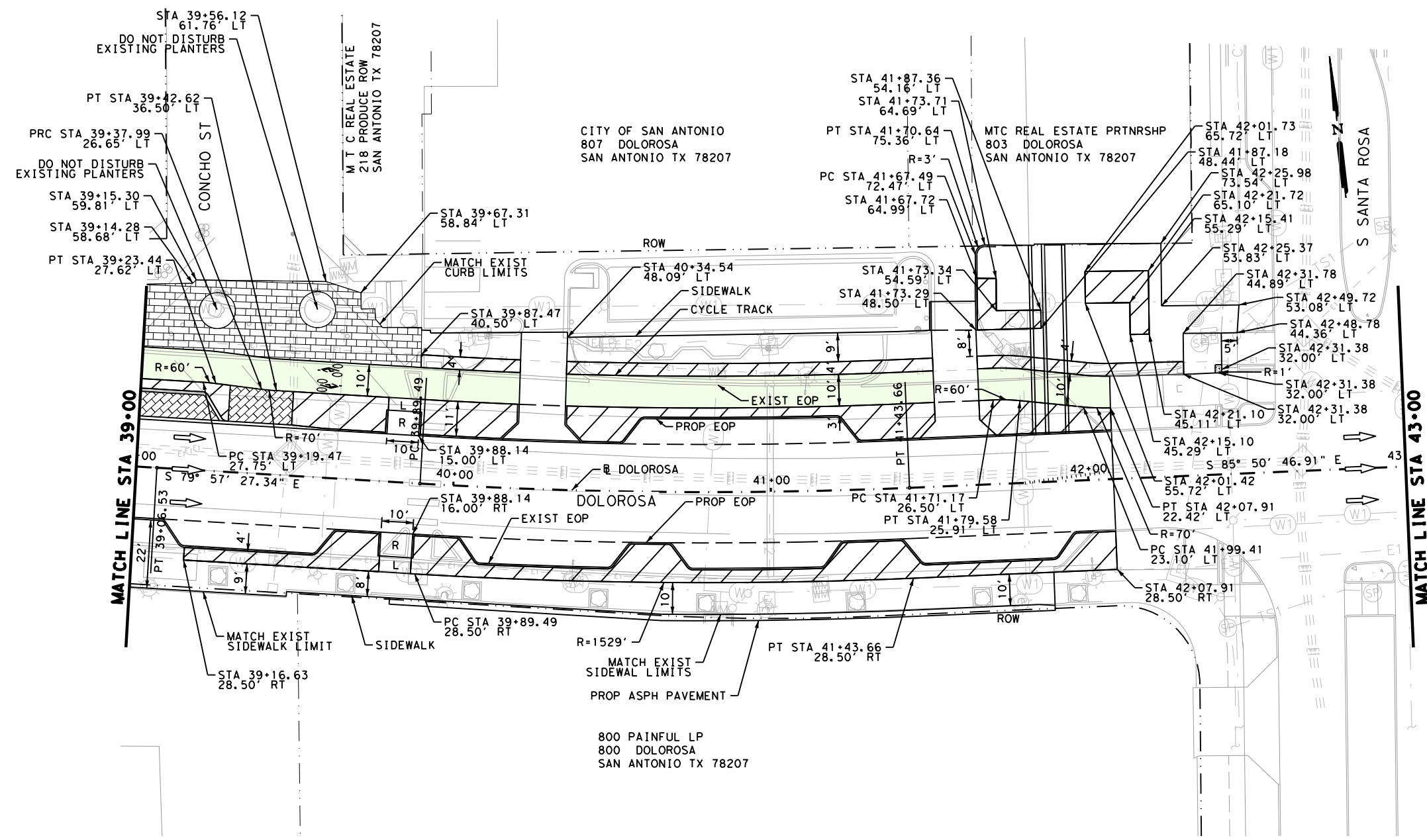
CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**ROADWAY SUPPLEMENTAL DETAILS**  
 STA 35+00 TO STA 39+00

SHEET 4 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 125       |





**LEGEND**

|  |                                         |  |                    |
|--|-----------------------------------------|--|--------------------|
|  | EXIST ROW                               |  | LANDSCAPE AREAS    |
|  | ROADWAY CROWN                           |  | PAVER PAVEMENT     |
|  | GRADE BREAK                             |  | RIP RAP            |
|  | TRAFFIC FLOW                            |  | LOADING BAY NUMBER |
|  | DRIVEWAY NUMBER                         |  | LOADING BAY NUMBER |
|  | PARKING BAY NUMBER                      |  | LOADING BAY NUMBER |
|  | CYCLE TRACK - FOR DISPLAY PURPOSES ONLY |  |                    |

- NOTES:**
1. SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  2. SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  3. ALL PAYMENT FOR ROADWAY RELATED ITEMS MADE ON PLAN PROFILE SHEETS.
  4. EXISTING FEATURES ARE SHOWN SCREENED BACK; i.e. FADED
  5. PROPOSED DRAINAGE STRUCTURES SHOWN FOR COMPLETENESS. DETAILS AND PAYMENT ON DRAINAGE SHEETS. PROPOSED DRAINAGE INLETS SHOWN FOR CLARITY.
  6. SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

**DESIGN**

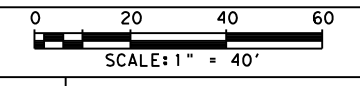
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023


**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023




| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |



**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



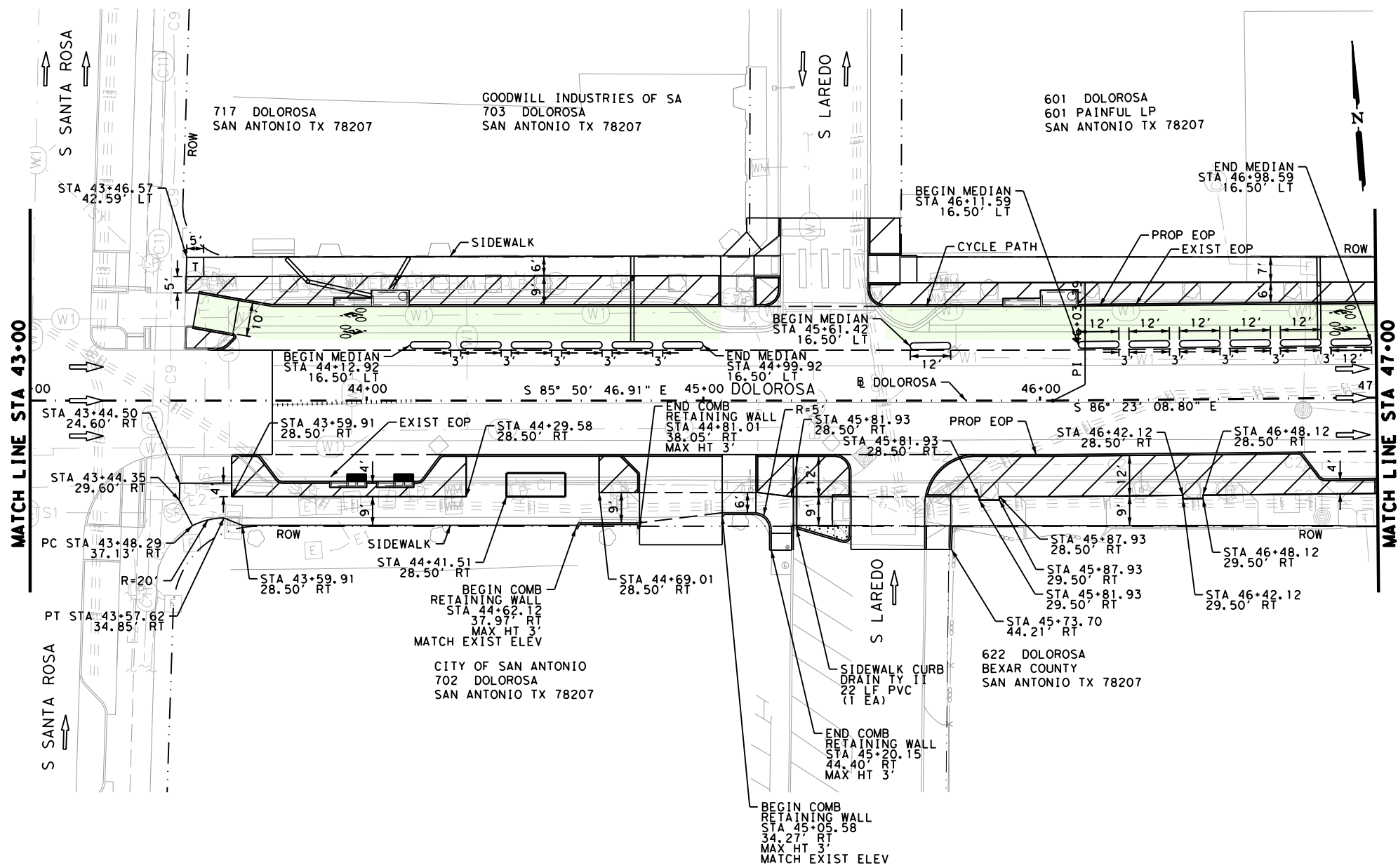
**CITY OF SAN ANTONIO  
 PUBLIC WORKS DEPARTMENT**

**DOLOROSA  
 ROADWAY  
 SUPPLEMENTAL DETAILS**

STA 39+00 TO STA 43+00

SHEET 5 OF 8

|        |         |       |             |           |           |
|--------|---------|-------|-------------|-----------|-----------|
| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
| ST     | JT      | JG    | 23-03763    | 70%       | 126       |



**LEGEND**

|           |                    |  |                                         |
|-----------|--------------------|--|-----------------------------------------|
| ---       | EXIST ROW          |  | LANDSCAPE AREAS                         |
| .....     | ROADWAY CROWN      |  | PAVER PAVEMENT                          |
| - - - - - | GRADE BREAK        |  | RIP RAP                                 |
| ←         | TRAFFIC FLOW       |  | LOADING BAY NUMBER                      |
| X-X       | DRIVEWAY NUMBER    |  | CYCLE TRACK - FOR DISPLAY PURPOSES ONLY |
| ◇         | PARKING BAY NUMBER |  |                                         |

- NOTES:**
1. SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  2. SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  3. ALL PAYMENT FOR ROADWAY RELATED ITEMS MADE ON PLAN PROFILE SHEETS.
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  6. SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

**DESIGN**

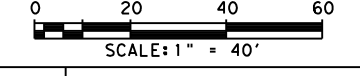
**INTERIM REVIEW**

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 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

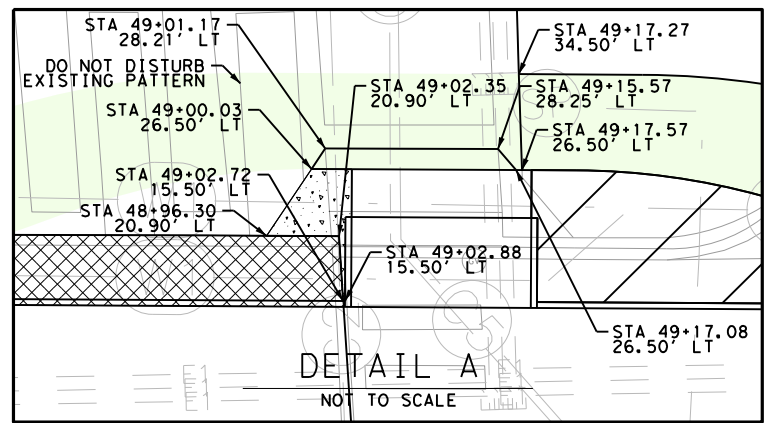
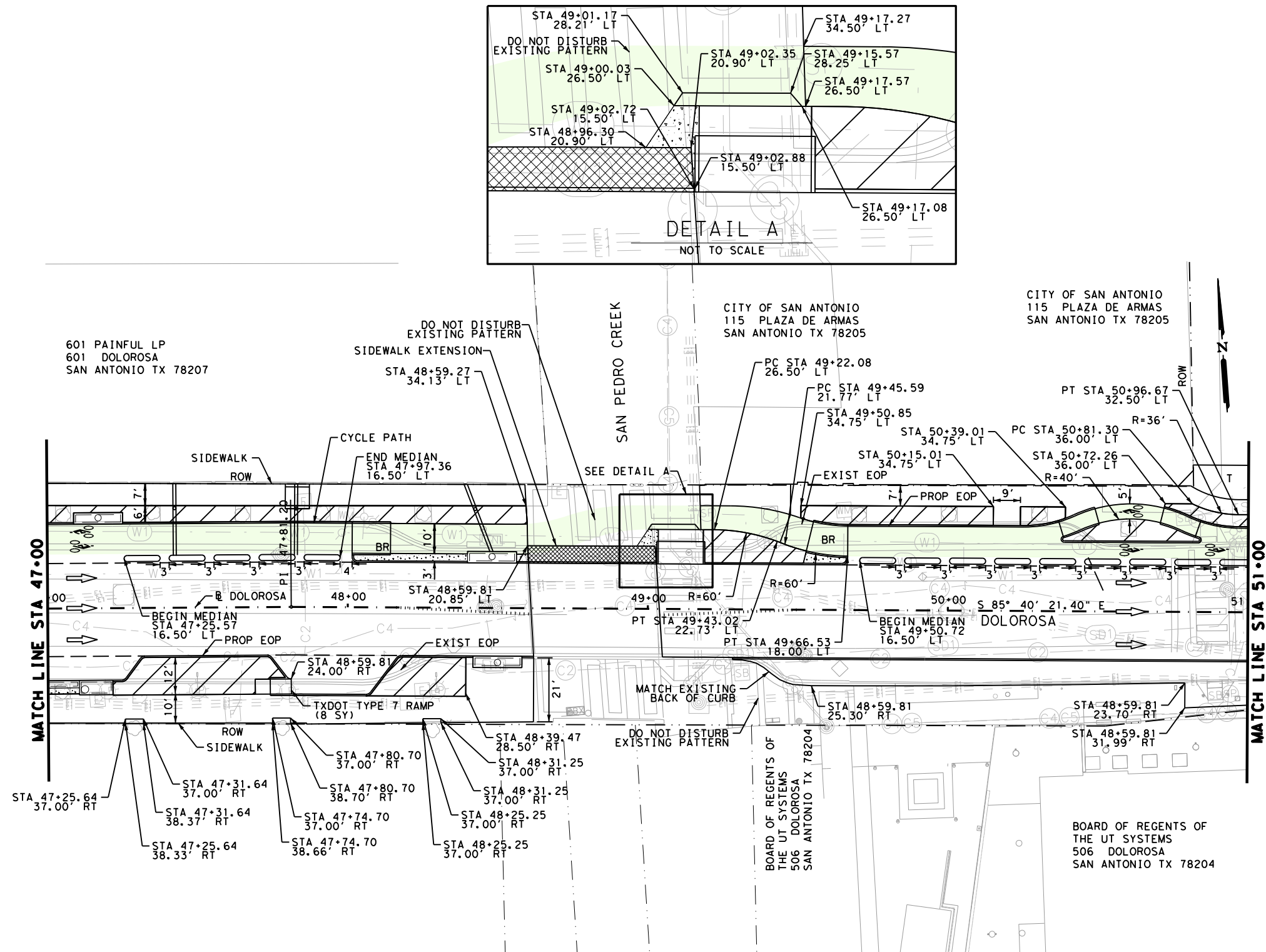
**CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT**

**DOLOROSA ROADWAY SUPPLEMENTAL DETAILS**

STA 43+00 TO STA 47+00

SHEET 6 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 127       |



**LEGEND**

- EXIST ROW
- ..... ROADWAY CROWN
- - - GRADE BREAK
- ← TRAFFIC FLOW
- [X-X] DRIVEWAY NUMBER
- ◇ PARKING BAY NUMBER
- CYCLE TRACK - FOR DISPLAY PURPOSES ONLY
- ▨ LANDSCAPE AREAS
- ▩ PAVEMENT PAVEMENT
- ▤ RIP RAP
- ⊗ LOADING BAY NUMBER

- NOTES:**
1. SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  2. SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
  3. ALL PAYMENT FOR ROADWAY RELATED ITEMS MADE ON PLAN PROFILE SHEETS.
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  6. SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

**DESIGN**

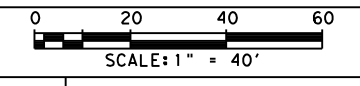
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

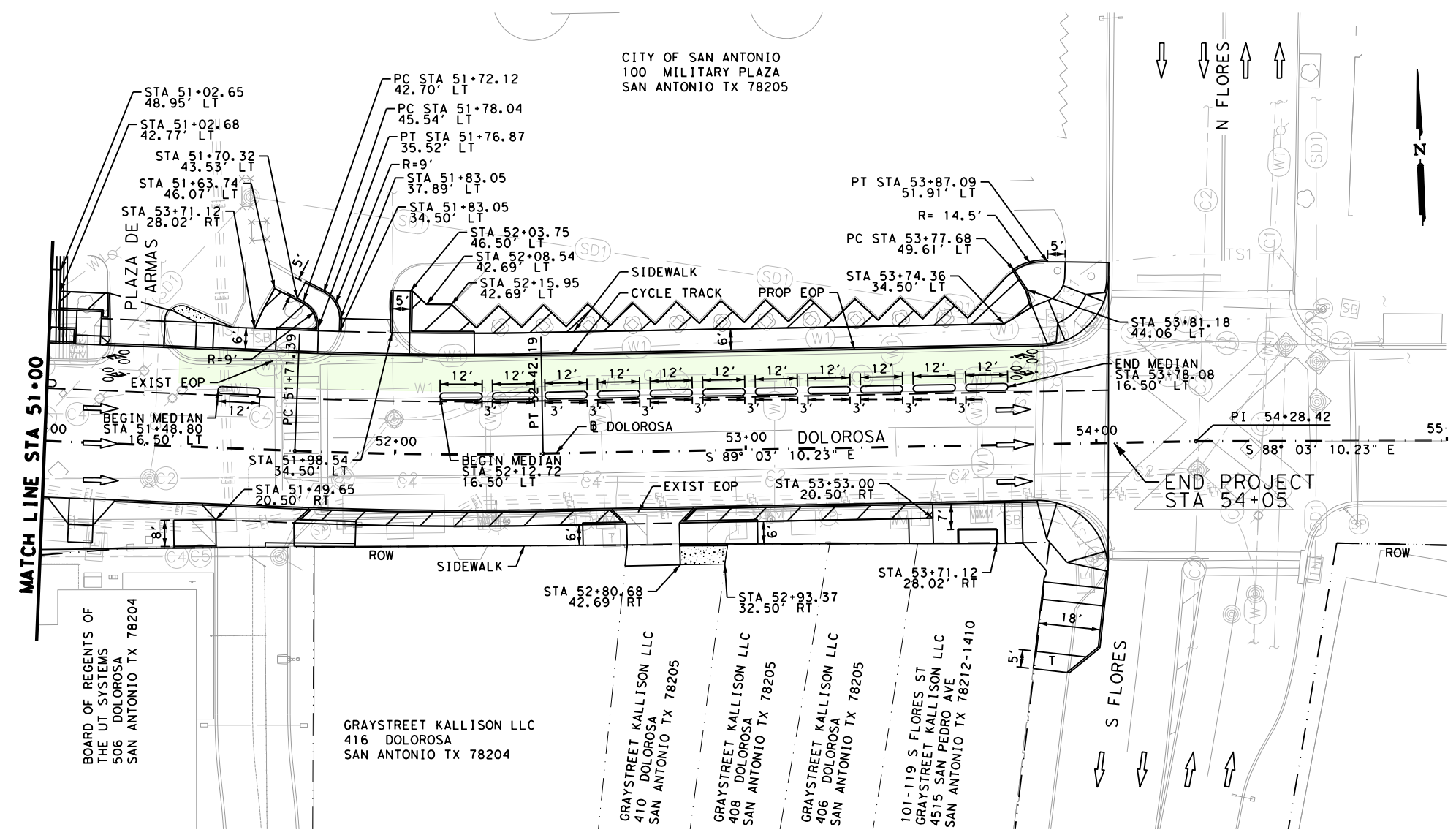
CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**ROADWAY SUPPLEMENTAL DETAILS**

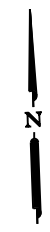
STA 47+00 TO STA 51+00  
 SHEET 7 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 128       |





CITY OF SAN ANTONIO  
100 MILITARY PLAZA  
SAN ANTONIO TX 78205



LEGEND

- EXIST ROW
- ..... ROADWAY CROWN
- - - GRADE BREAK
- ← TRAFFIC FLOW ARROW
- [X-X] DRIVEWAY NUMBER
- ◇ PARKING BAY NUMBER
- CYCLE TRACK - FOR DISPLAY PURPOSES ONLY
- [diagonal lines] LANDSCAPE AREAS
- [cross-hatch] PAVER PAVEMENT
- [dots] RIP RAP
- ⊗ LOADING BAY NUMBER

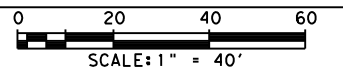
- NOTES:
- SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR HORIZONTAL ALIGNMENT DATA.
  - SEE INTERSECTION LAYOUT SHEETS FOR INTERSECTION AND CURB RAMP DETAILS.
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  - SEE LANDSCAPE PLANS FOR TREE REMOVAL, PRESERVATION AND RELOCATION.

DESIGN

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: STEVEN J. TATE  
P.E. SERIAL NO: 131443  
DATE: 1/24/2023

APPROVAL

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: JOHN A. TYLER  
P.E. SERIAL NO: 105193  
DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

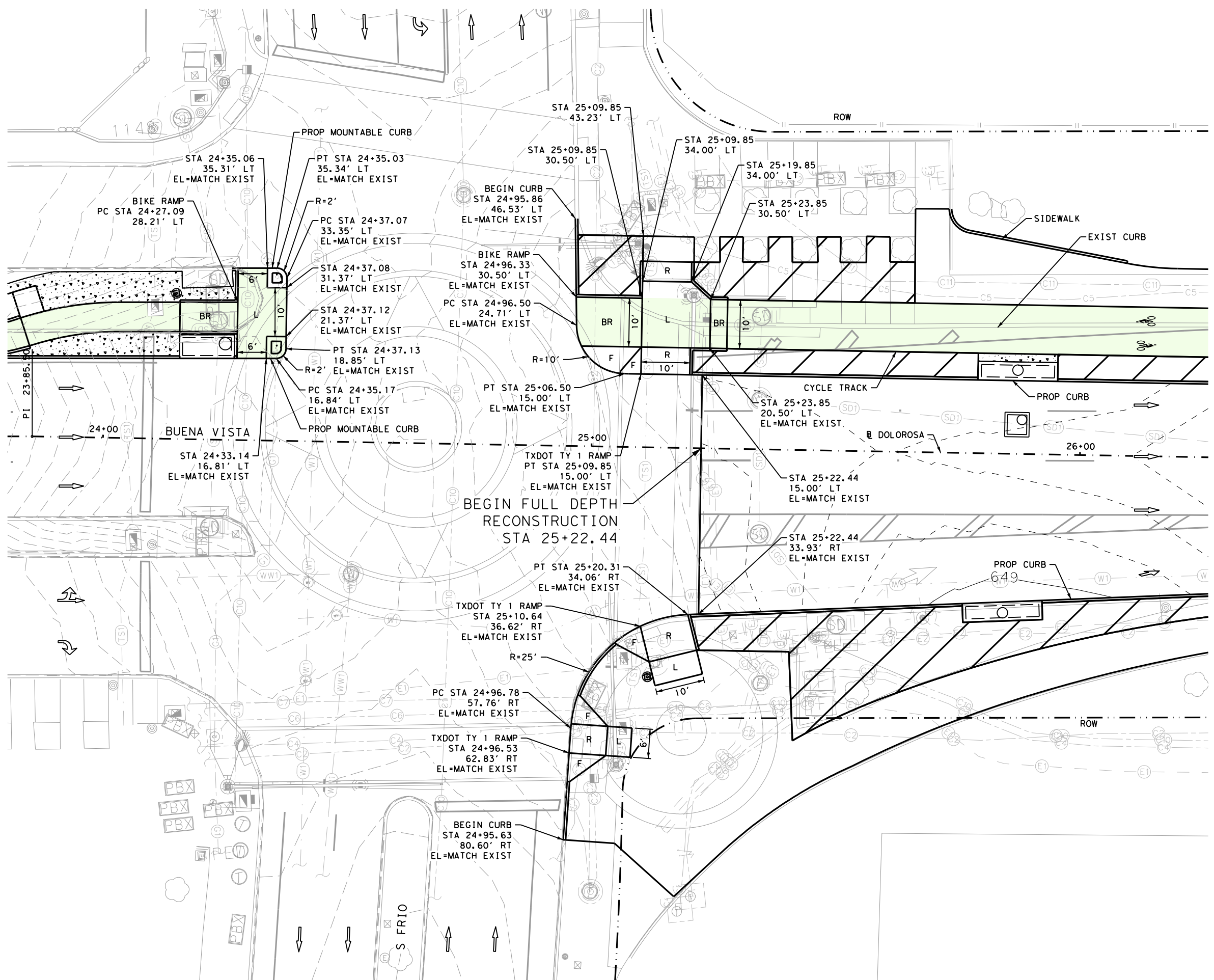
DOLOROSA  
**ROADWAY SUPPLEMENTAL DETAILS**

STA 51+00 TO END PROJECT

SHEET 8 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 129       |

Plotted on: 1/25/2023 1:32:01 PM  
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**LEGEND**

|  |                                       |  |              |
|--|---------------------------------------|--|--------------|
|  | PROPOSED MAJOR CONTOUR                |  | R RAMP       |
|  | PROPOSED MINOR CONTOUR                |  | L LANDING    |
|  | TRAFFIC FLOW ARROW                    |  | F FLARE      |
|  | LANDSCAPE AREAS                       |  | BR BIKE RAMP |
|  | CYCLE TRACK FOR DISPLAY PURPOSES ONLY |  | T TRANSITION |
|  | EXIST GRADE ARROW                     |  |              |

**DESIGN**

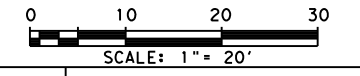
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/25/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/25/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

**CITY OF SAN ANTONIO  
 PUBLIC WORKS DEPARTMENT**

DOLOROSA

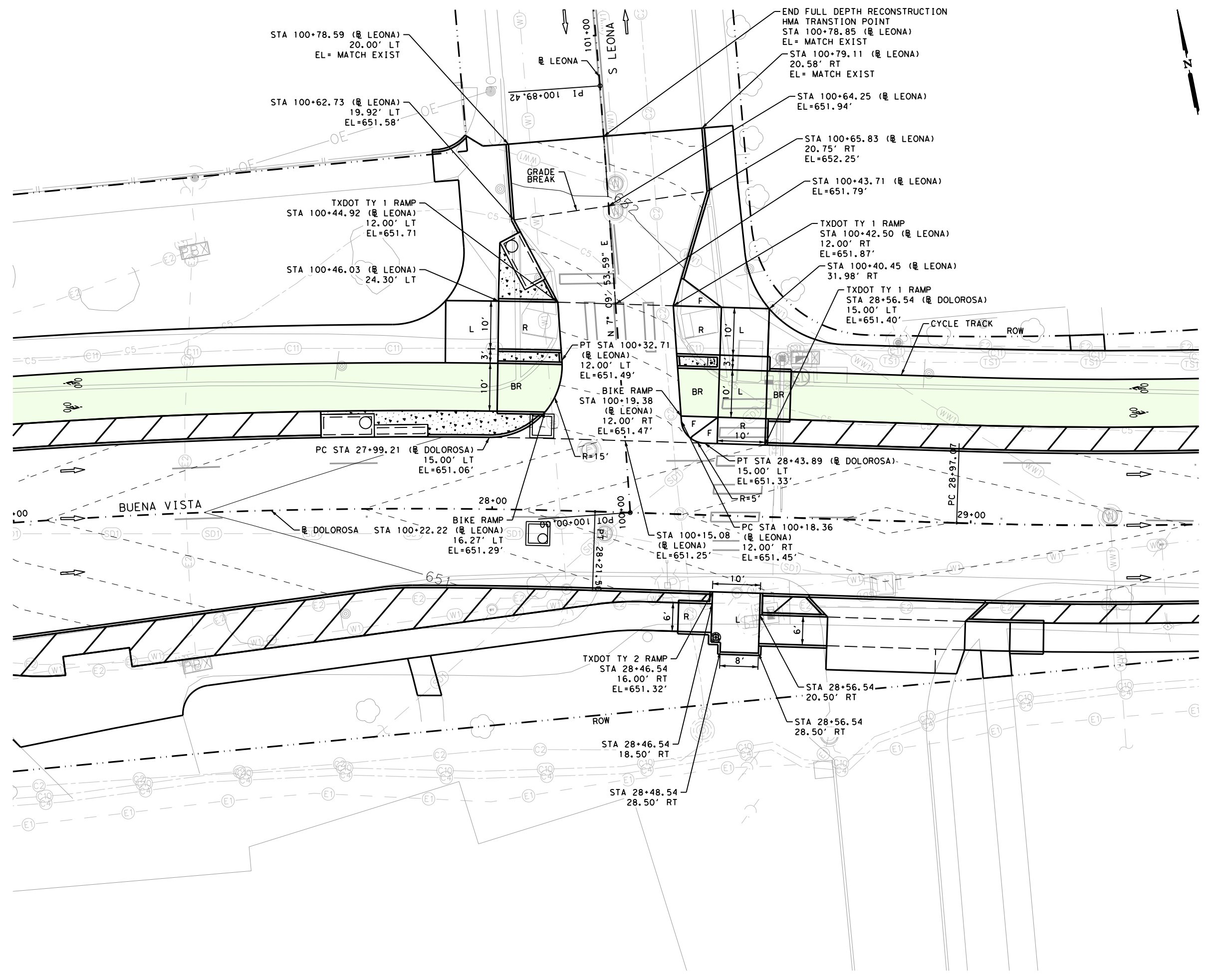
**INTERSECTION LAYOUT**

S FRIO

SHEET 1 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 130       |

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**LEGEND**

|  |                                       |  |              |
|--|---------------------------------------|--|--------------|
|  | PROPOSED MAJOR CONTOUR                |  | R RAMP       |
|  | PROPOSED MINOR CONTOUR                |  | L LANDING    |
|  | TRAFFIC FLOW ARROW                    |  | F FLARE      |
|  | LANDSCAPE AREAS                       |  | BR BIKE RAMP |
|  | CYCLE TRACK FOR DISPLAY PURPOSES ONLY |  | T TRANSITION |
|  | EXIST GRADE ARROW                     |  |              |

**DESIGN**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.

ENGINEER: STEVEN J. TATE

P.E. SERIAL NO: 131443

DATE: 1/24/2023

**APPROVAL**

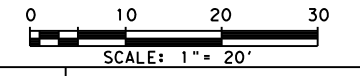
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.

ENGINEER: JOHN A. TYLER

P.E. SERIAL NO: 105193

DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

**CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT**

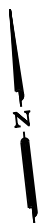
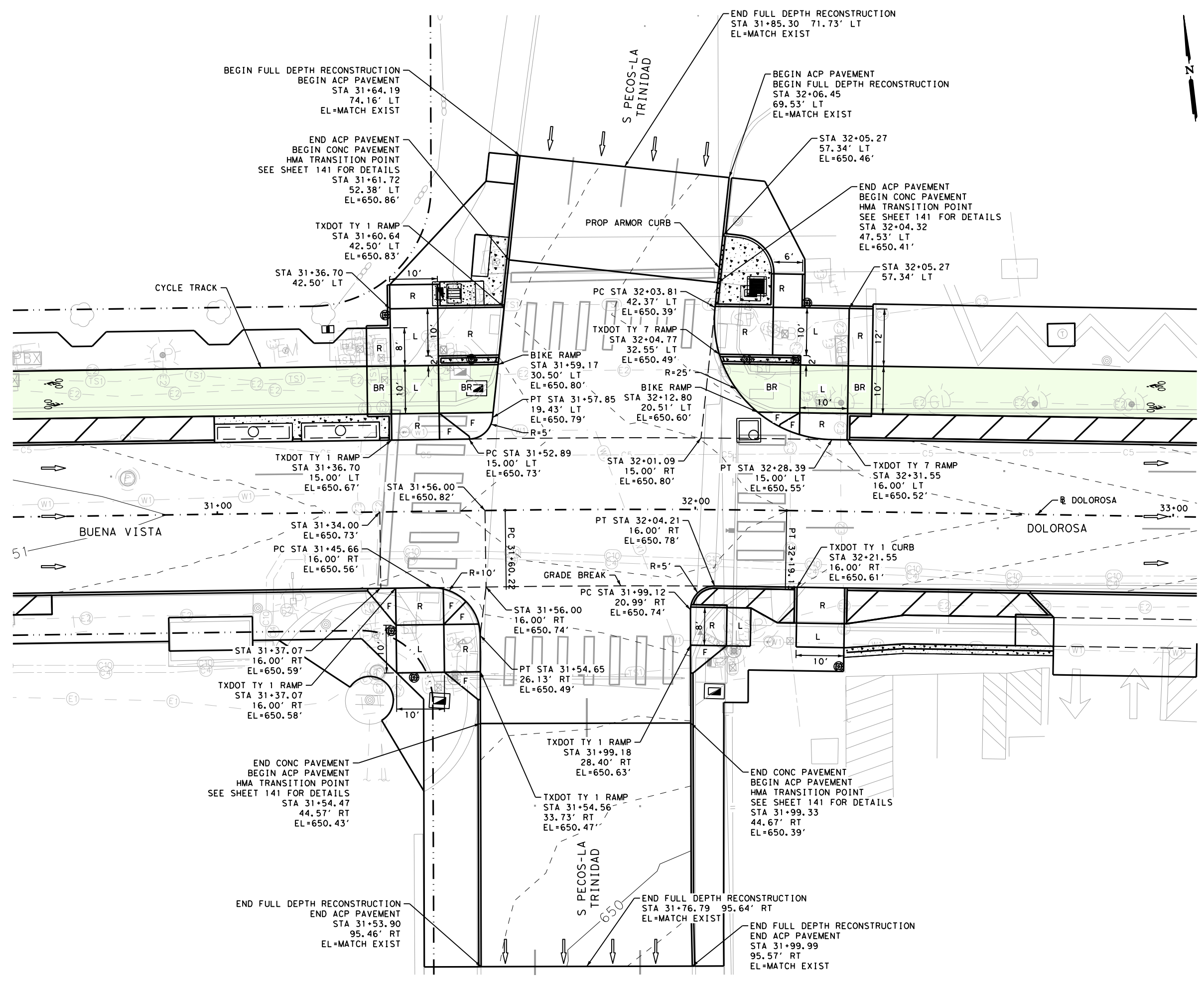
**DOLOROSA**

**INTERSECTION LAYOUT**

**S LEONA**

|        |         |       |             |           |           |
|--------|---------|-------|-------------|-----------|-----------|
| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
| ST     | JT      | JG    | 23-03763    | 70%       | 131       |





**LEGEND**

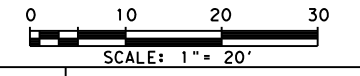
- 650— PROPOSED MAJOR CONTOUR
- - - PROPOSED MINOR CONTOUR
- ← TRAFFIC FLOW ARROW
- ▭ LANDSCAPE AREAS
- ▭ CYCLE TRACK FOR DISPLAY PURPOSES ONLY
- ↑ x.x% EXIST GRADE ARROW
- R RAMP
- L LANDING
- F FLARE
- BR BIKE RAMP
- T TRANSITION

**DESIGN**

**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |



**PAPE-DAWSON ENGINEERS**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

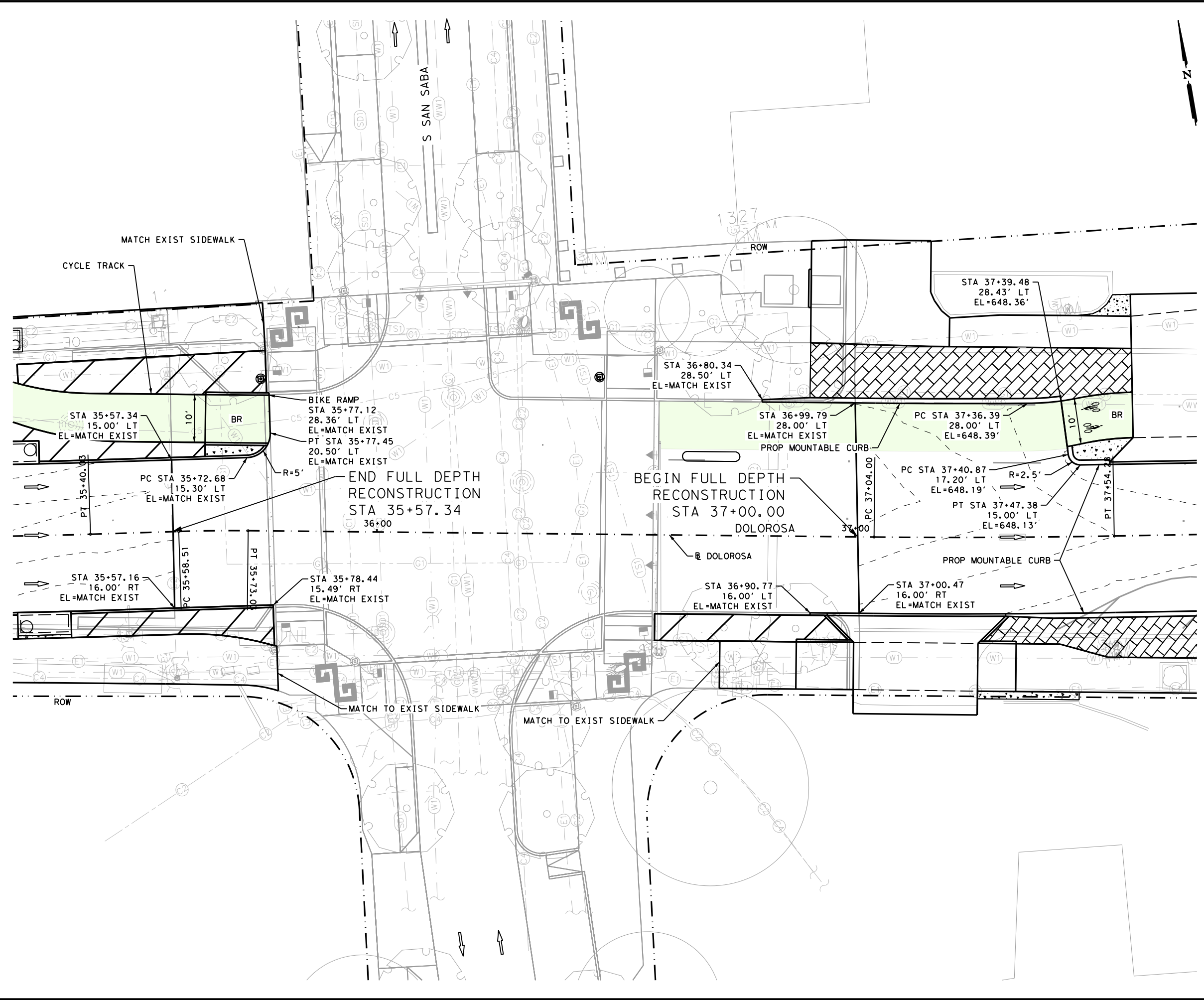
**CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT**

**DOLOROSA INTERSECTION LAYOUT**

S Pecos-La Trinidad

SHEET 3 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 132       |



**LEGEND**

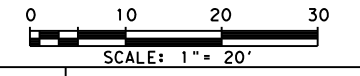
- 650 — PROPOSED MAJOR CONTOUR
- - - - - PROPOSED MINOR CONTOUR
- ← TRAFFIC FLOW ARROW
- [Hatched Box] LANDSCAPE AREAS
- [Green Box] CYCLE TRACK FOR DISPLAY PURPOSES ONLY
- ↑ x.x% EXIST GRADE ARROW
- R RAMP
- L LANDING
- F FLARE
- BR BIKE RAMP
- T TRANSITION

DESIGN

**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

APPROVAL

**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

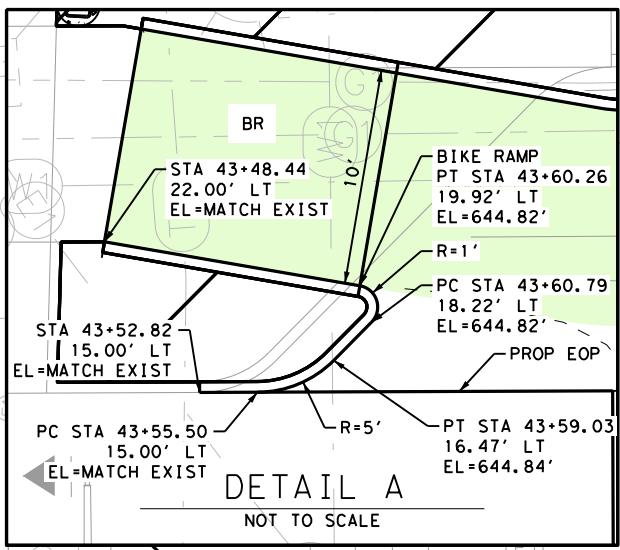
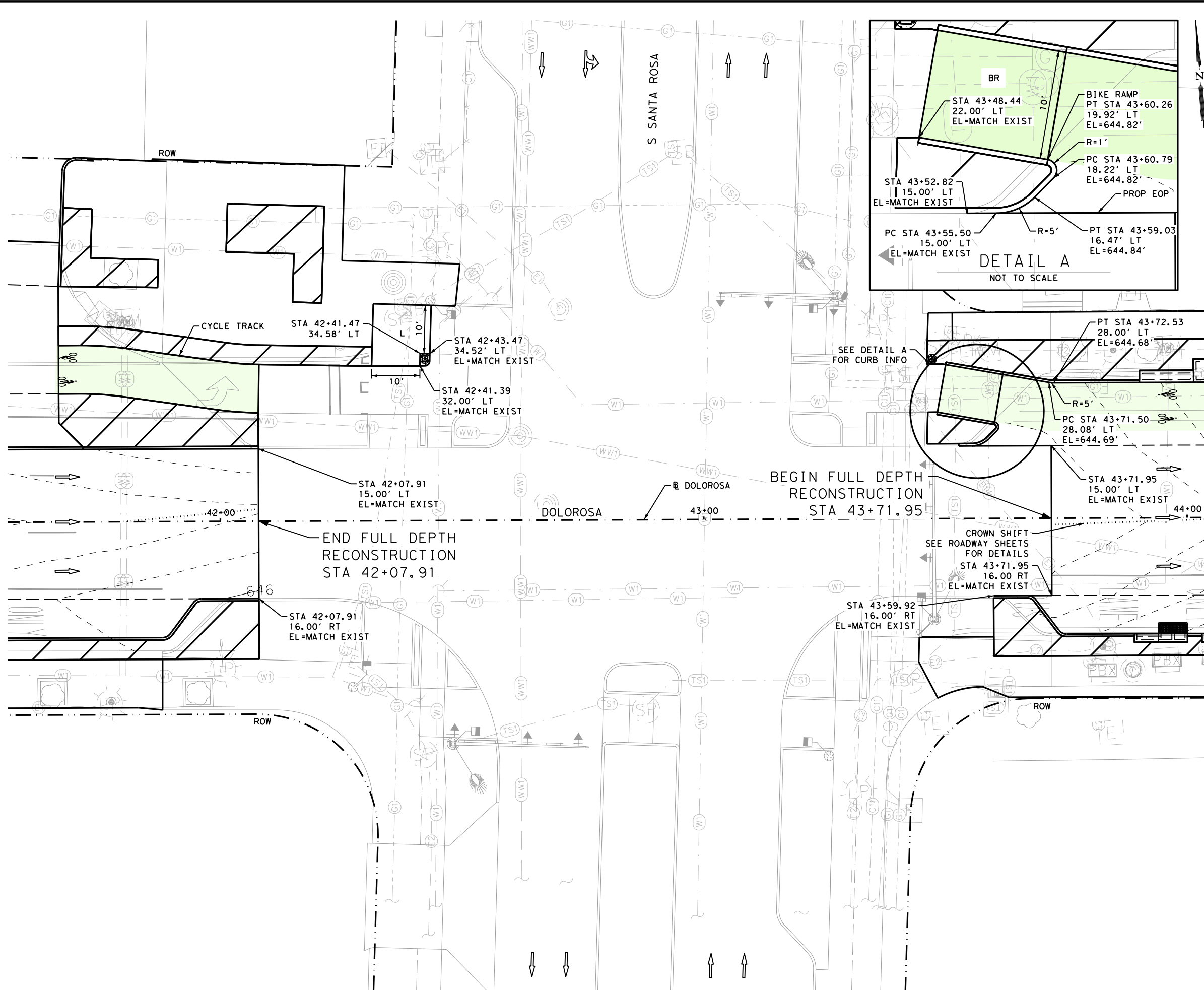
DOLOROSA  
**INTERSECTION LAYOUT**

S SAN SABA

SHEET 4 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 133       |

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**LEGEND**

|  |                                       |  |              |
|--|---------------------------------------|--|--------------|
|  | PROPOSED MAJOR CONTOUR                |  | R RAMP       |
|  | PROPOSED MINOR CONTOUR                |  | L LANDING    |
|  | TRAFFIC FLOW ARROW                    |  | F FLARE      |
|  | LANDSCAPE AREAS                       |  | BR BIKE RAMP |
|  | CYCLE TRACK FOR DISPLAY PURPOSES ONLY |  | T TRANSITION |
|  | EXIST GRADE ARROW                     |  |              |

**DESIGN**

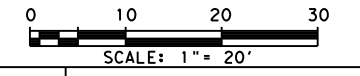
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

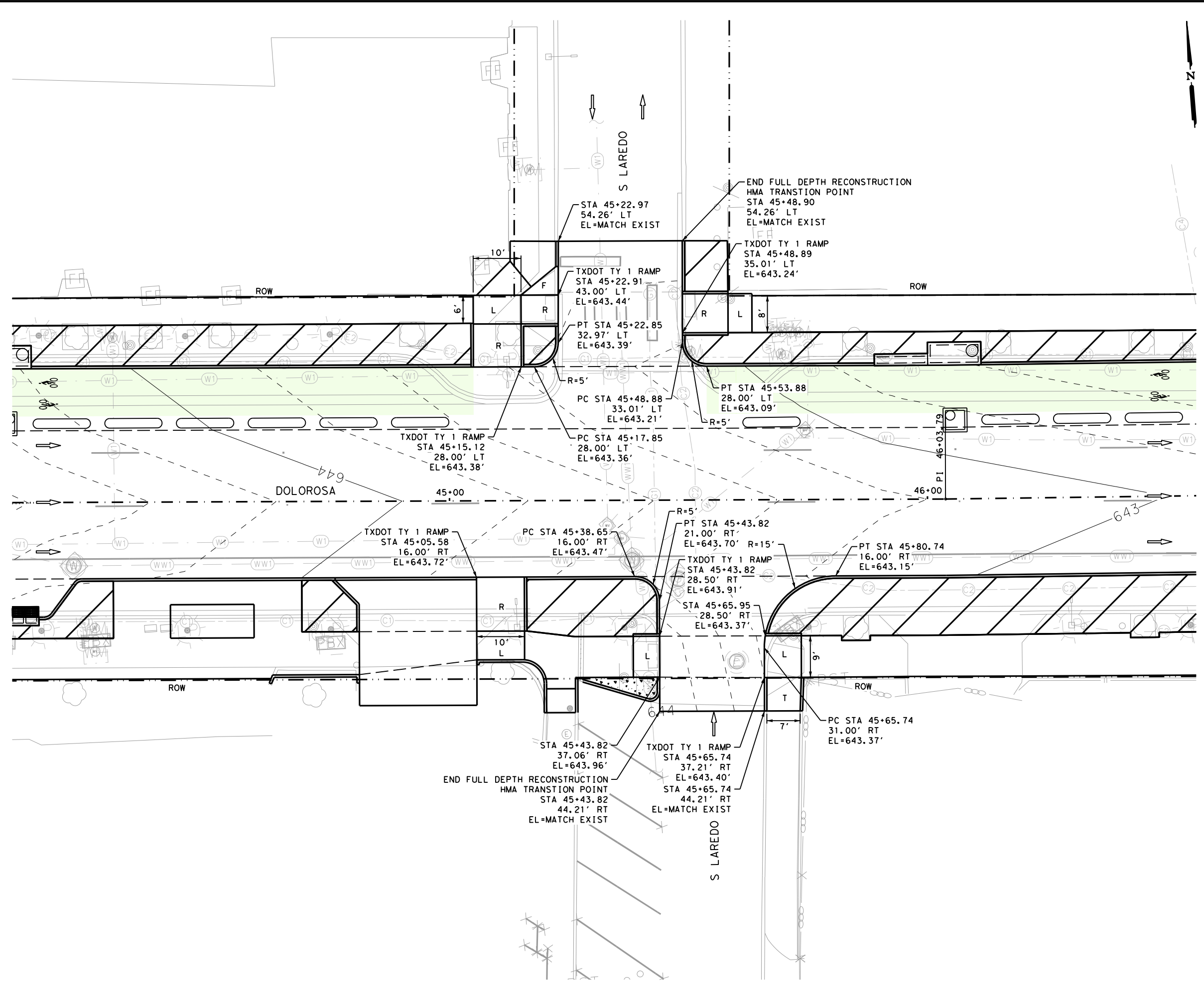
CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**  
 DOLOROSA  
**INTERSECTION LAYOUT**  
 S SANTA ROSA

SHEET 5 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 134       |



Design File name: P:\122\27\03\Design\Civil\Roadway\Intersect\1222703\_Int06\_Laredo.dgn  
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**LEGEND**

|  |                                       |  |              |
|--|---------------------------------------|--|--------------|
|  | PROPOSED MAJOR CONTOUR                |  | R RAMP       |
|  | PROPOSED MINOR CONTOUR                |  | L LANDING    |
|  | TRAFFIC FLOW ARROW                    |  | F FLARE      |
|  | LANDSCAPE AREAS                       |  | BR BIKE RAMP |
|  | CYCLE TRACK FOR DISPLAY PURPOSES ONLY |  | T TRANSITION |
|  | EXIST GRADE ARROW                     |  |              |

**DESIGN**

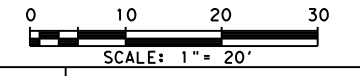
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023


**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023




| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |



**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



**CITY OF SAN ANTONIO  
 PUBLIC WORKS DEPARTMENT**

**DOLOROSA**

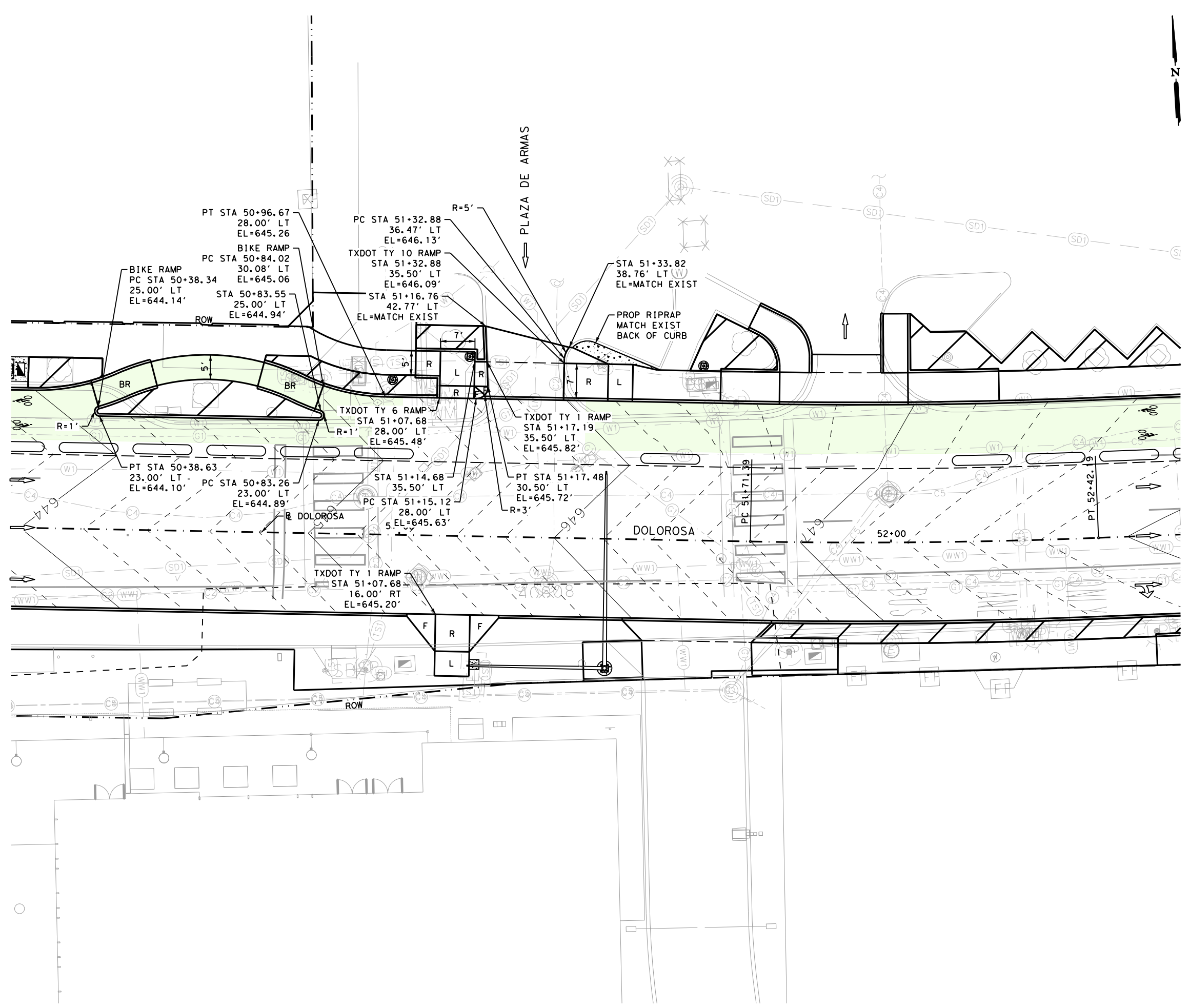
**INTERSECTION LAYOUT**

**S LAREDO**

SHEET 6 OF 8

|        |         |       |             |           |           |
|--------|---------|-------|-------------|-----------|-----------|
| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
| ST     | JT      | JG    | 23-03763    | 70%       | 135       |

Design File name: P:\122\27\03\Design\Civil\Roadway\Intersect\om\1222703\_Int07\_PlazaDeArmas.dgn  
 Plotted on: 1/24/2023 7:02:23 PM



**LEGEND**

- 650— PROPOSED MAJOR CONTOUR
- - - - - PROPOSED MINOR CONTOUR
- ← TRAFFIC FLOW ARROW
- ▭ LANDSCAPE AREAS
- ▭ CYCLE TRACK FOR DISPLAY PURPOSES ONLY
- ↑ x.x% EXIST GRADE ARROW
- R RAMP
- L LANDING
- F FLARE
- BR BIKE RAMP
- T TRANSITION

**DESIGN**

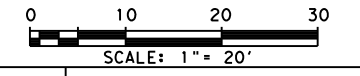
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

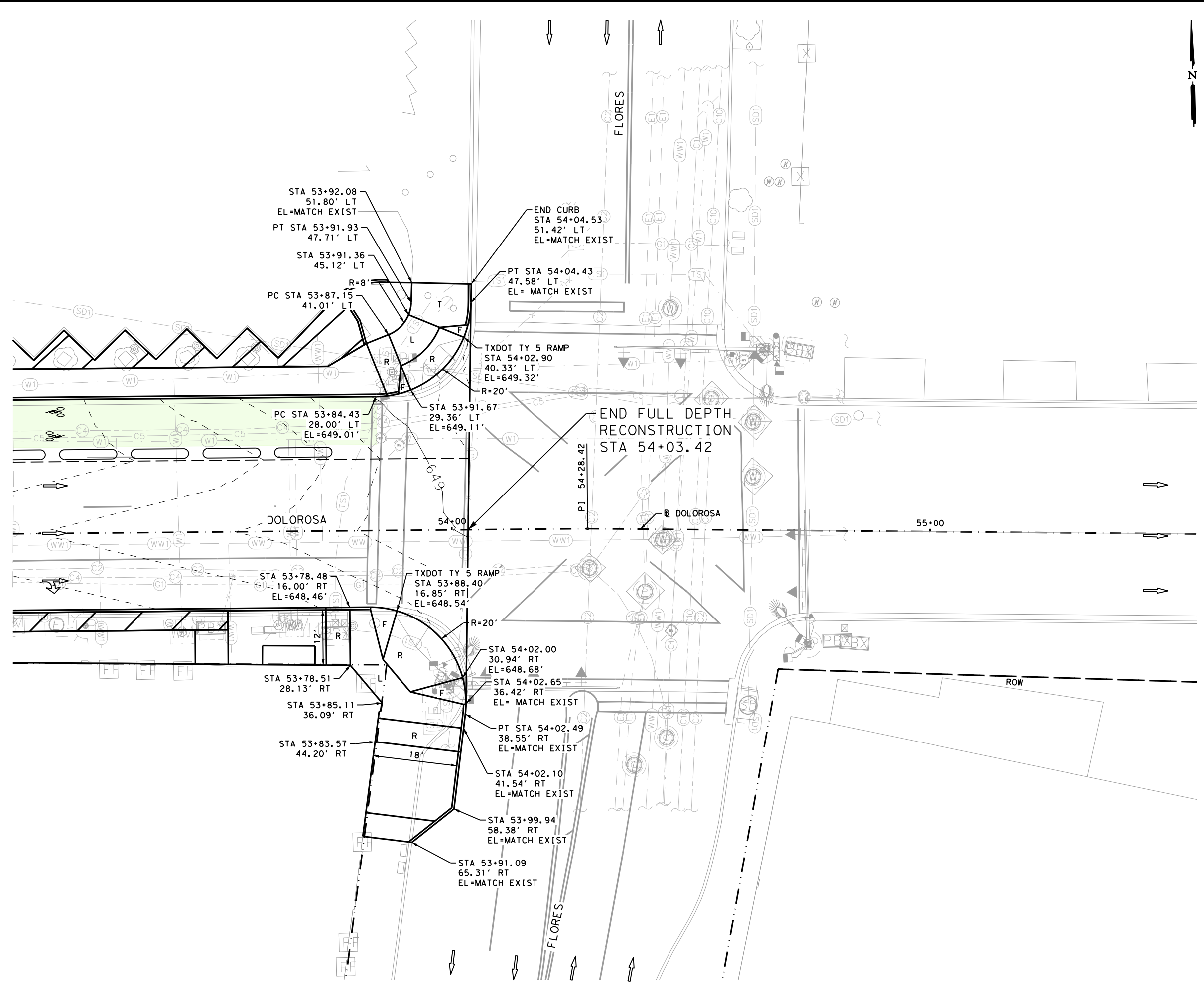
DOLOROSA  
**INTERSECTION LAYOUT**

PLAZA DE ARMAS

SHEET 7 OF 8

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 136       |

Design File name: P:\122\27\03\Design\Civil\Roadway\Intersect\1222703\_Int08\_Flores.dgn  
 Plotted on: 1/24/2023 7:02:26 PM



**LEGEND**

|  |                                       |              |
|--|---------------------------------------|--------------|
|  | PROPOSED MAJOR CONTOUR                | R RAMP       |
|  | PROPOSED MINOR CONTOUR                | L LANDING    |
|  | TRAFFIC FLOW ARROW                    | F FLARE      |
|  | LANDSCAPE AREAS                       | BR BIKE RAMP |
|  | CYCLE TRACK FOR DISPLAY PURPOSES ONLY | T TRANSITION |
|  | EXIST GRADE ARROW                     |              |

**DESIGN**

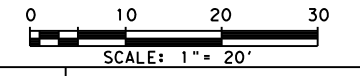
**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023


**APPROVAL**

**INTERIM REVIEW**

DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023




| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |



**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



**CITY OF SAN ANTONIO  
 PUBLIC WORKS DEPARTMENT**

**DOLOROSA**

**INTERSECTION LAYOUT**

**FLORES**

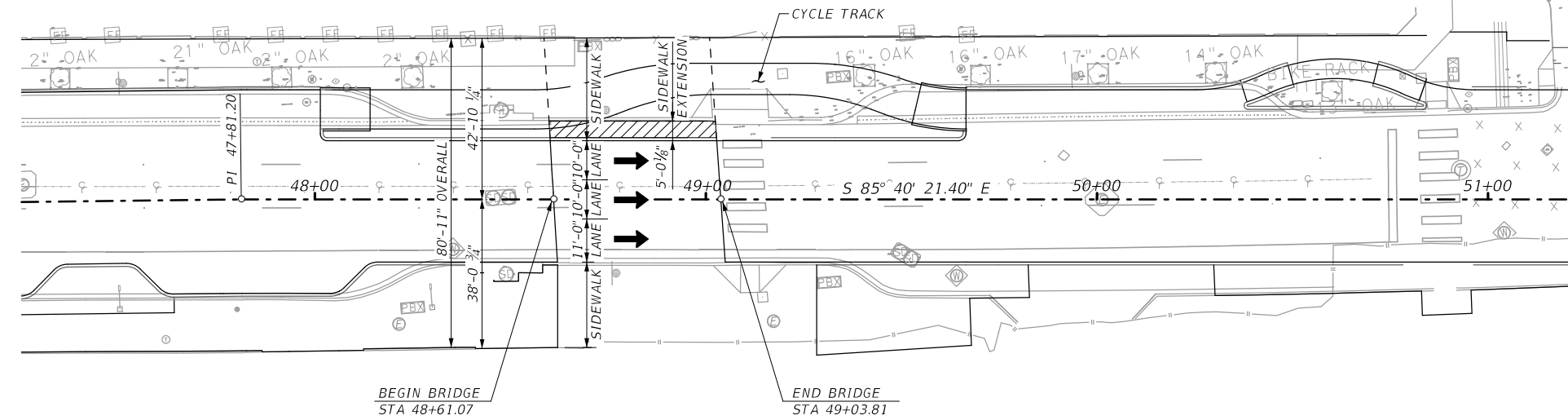
SHEET 8 OF 8

|        |         |       |             |           |           |
|--------|---------|-------|-------------|-----------|-----------|
| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
| ST     | JT      | JG    | 23-03763    | 70%       | 137       |



GENERAL NOTES:

1. DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.
2. REFER TO CIVIL PLANS FOR ROADWAY PLAN, PROFILE AND SIDEWALK INFORMATION.
3. REFER TO UTILITY PLANS FOR INFORMATION.
4. REFER TO ILLUMINATION PLANS FOR INFORMATION.



PLAN

LEGEND:

PROPOSED BRIDGE SIDEWALK EXTENSION

70% SUBMITTAL  
DOCUMENT INCOMPLETE. NOT INTENDED  
FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: G. J. SHIAU, P. E.  
P. E. SERIAL NO: 65890  
DATE: 1/20/2023

HL 93 LOADING

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



DOLOROSA

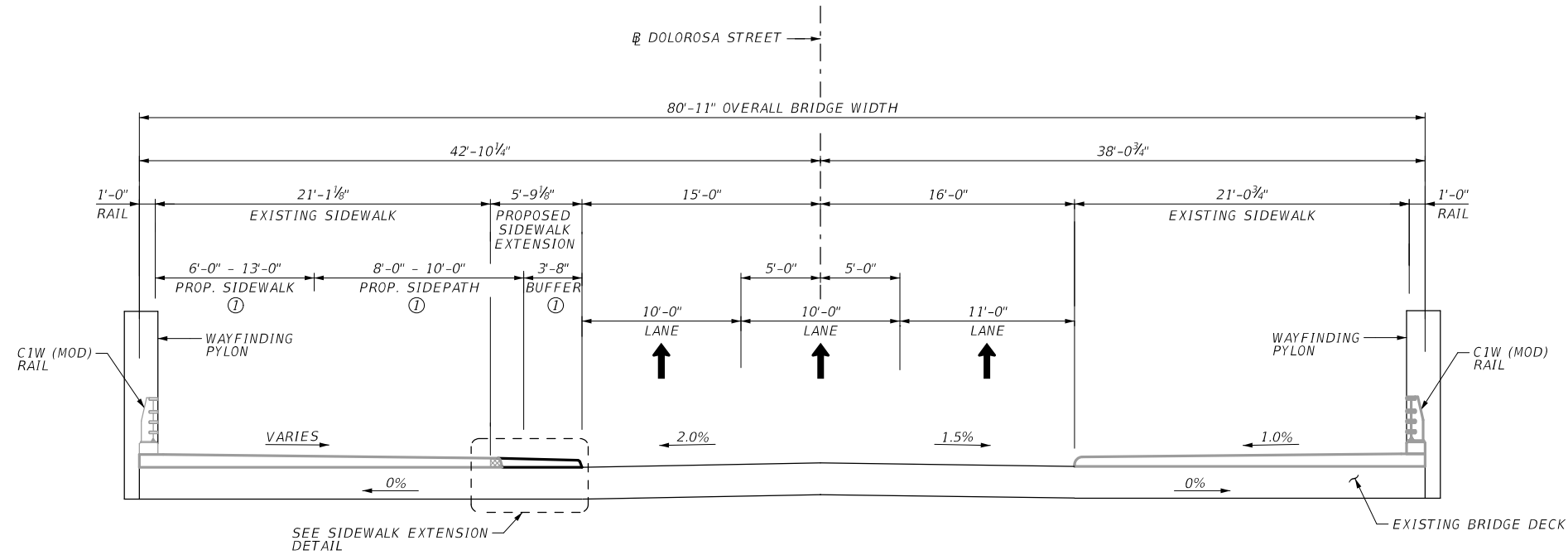
**BRIDGE SIDEWALK EXTENSION**

SHEET 1 OF 2

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| GJS    | EJM     | SZT   | 23-03763    | 70%       | 138       |

GENERAL NOTES :

1. DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.
2. ALL CONCRETE SHALL BE CLASS S CONCRETE ( $f'c = 3,600$  psi).
3. ALL REINFORCING SHALL BE GRADE 60.
4. BARS LAPS, WHERE REQUIRED SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE.  
~ #4 = 1'-7"
5. PROVIDE BROOM FINISH ON TOP OF SIDEWALK EXTENSION, UNLESS NOTED OTHERWISE.

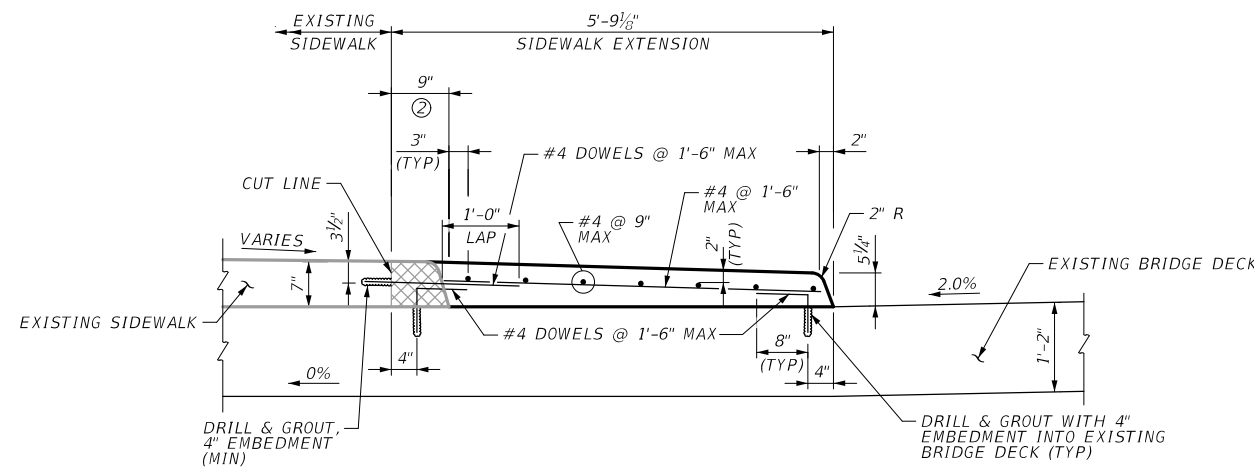


① REFER TO CIVIL PLANS FOR INFORMATION

**PROPOSED TYPICAL SECTION**

(LOOKING UPSTATION)

70% SUBMITTAL  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: G. J. SHIAU, P.E.  
P. E. SERIAL NO: 65890  
DATE: 1/20/2023



**SIDEWALK EXTENSION DETAIL**

(BRIDGE DECK REINFORCING NOT SHOWN FOR CLARITY)

② CONTRACTOR SHALL FIELD VERIFY CUT LINE DIMENSION TO ALIGN WITH EXISTING ARCHITECTURAL PATTERN LINES

REMOVE EXISTING SIDEWALK TO ALIGN WITH EXISTING ARCHITECTURAL PATTERN LINES

HL 93 LOADING

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**SEA** STRUCTURAL ENGINEERING ASSOCIATES  
TEXAS REGISTERED ENGINEERING FIRM F-199

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

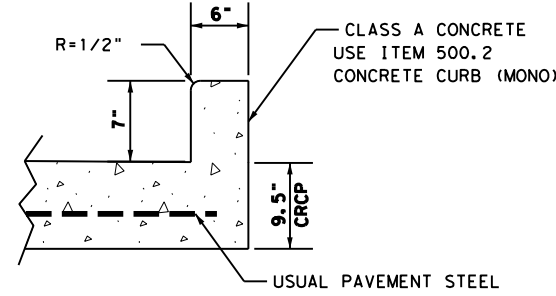
**CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT**

DOLOROSA

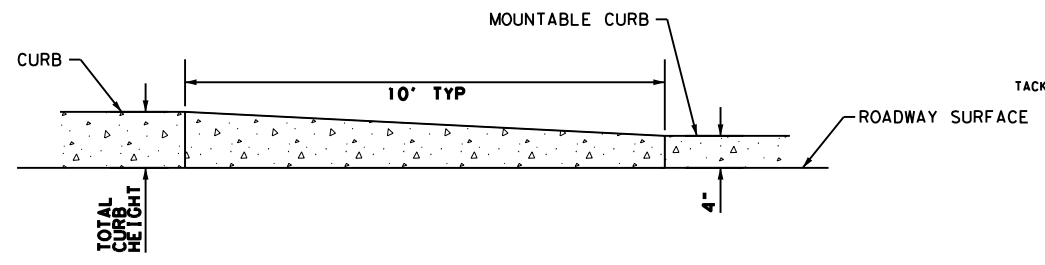
BRIDGE SIDEWALK EXTENSION

SHEET 2 OF 2

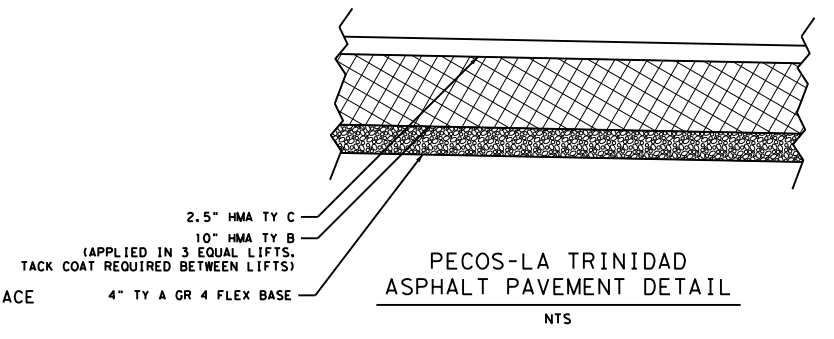
| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| GJS    | EJM     | SZT   | 23-03763    | 70%       | 139       |



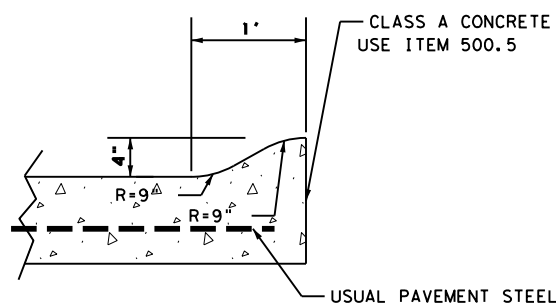
**MONOLITHIC CURB DETAIL FOR CONCRETE PAVEMENT**  
N. T. S.



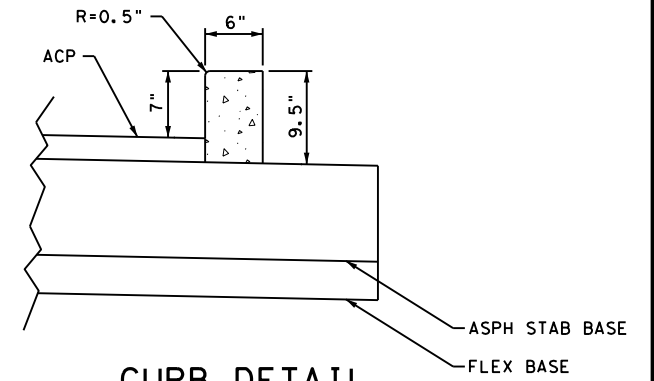
**CURB TO MOUNTABLE CURB TRANSITION DETAIL**  
N. T. S.



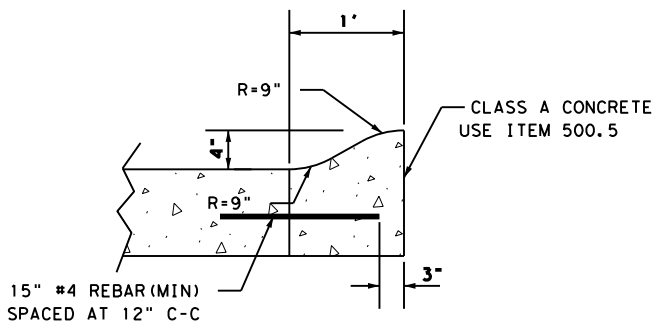
**PECOS-LA TRINIDAD ASPHALT PAVEMENT DETAIL**  
NTS



**MOUNTABLE CURB (MONO) DETAIL FOR CONCRETE PAVEMENT**  
N. T. S.

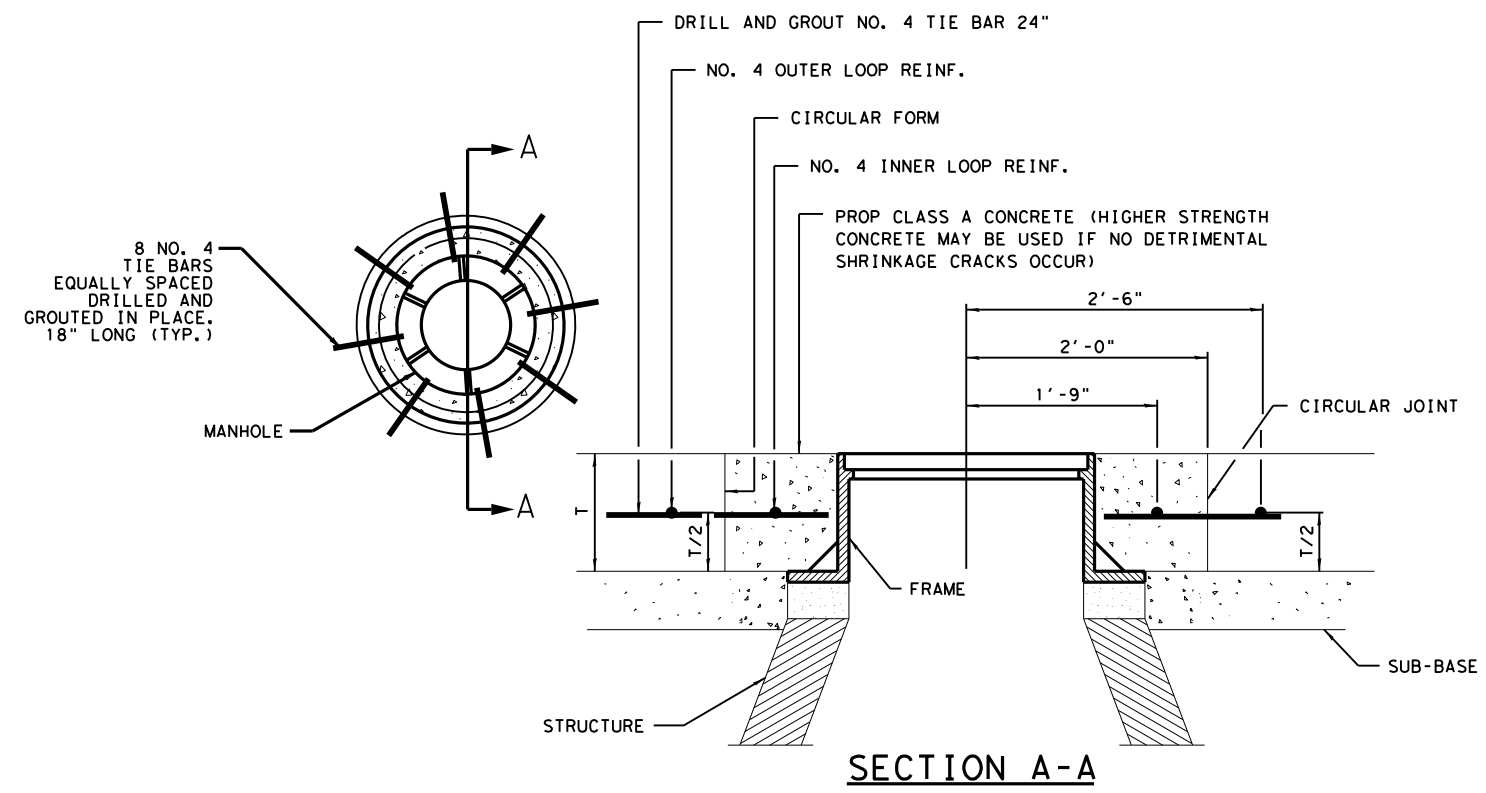


**CURB DETAIL FOR ASPHALT PAVEMENT**  
N. T. S.



**MOUNTABLE CURB DETAIL FOR CONCRETE PAVEMENT**  
N. T. S.

NOTE:  
WHERE CONCRETE CURB IS TO BE PLACED ON EXISTING CONCRETE PAVEMENT, REBAR MAY BE DRILLED AND GROUTED IN PLACE, OR MAY BE INSERTED INTO FRESH CONCRETE.



**MANHOLE BLOCKOUT DETAIL**  
N. T. S.

DESIGN  
**INTERIM REVIEW**  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: STEVEN J. TATE  
P. E. SERIAL NO: 131443  
DATE: 1/24/2023

APPROVAL  
**INTERIM REVIEW**  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: JOHN A. TYLER  
P. E. SERIAL NO: 105193  
DATE: 1/24/2023

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

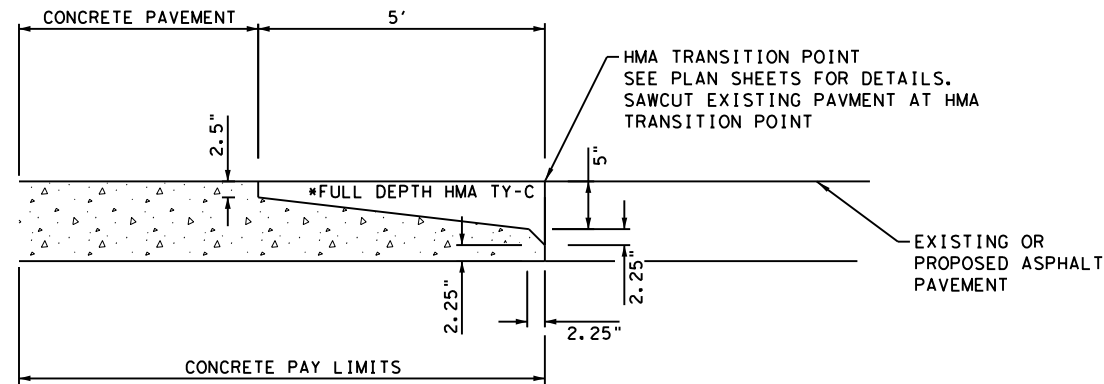
DOLOROSA  
**ROADWAY DETAILS**

SHEET 1 OF 4

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 140       |



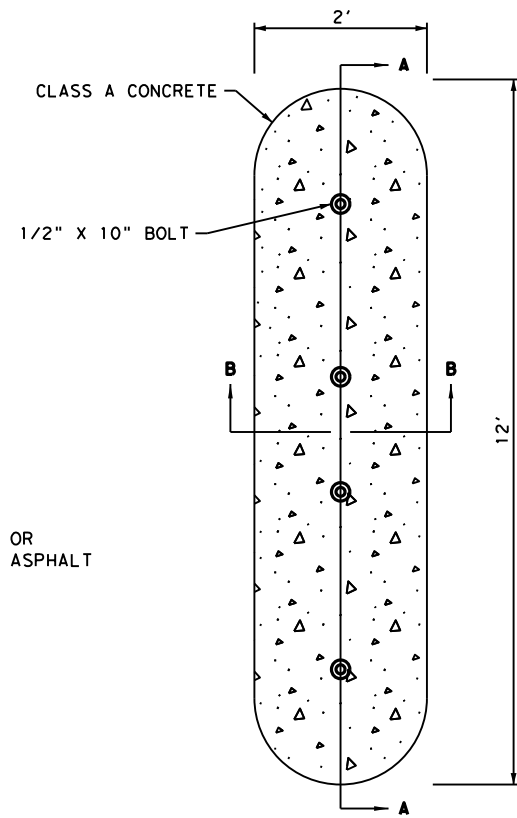
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**CRCP TO HMA TRANSITION**

N. T. S.

\*FULL DEPTH HMA TY-C IS SUBSIDIARY TO ITEM 209. NO SEPARATE PAY.

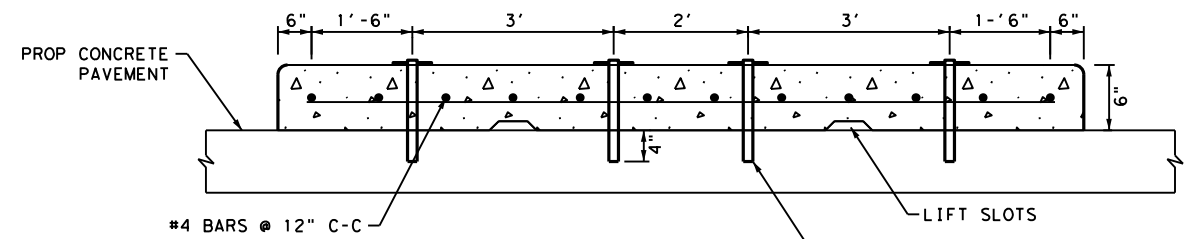


**PRECAST MEDIAN**

N. T. S.

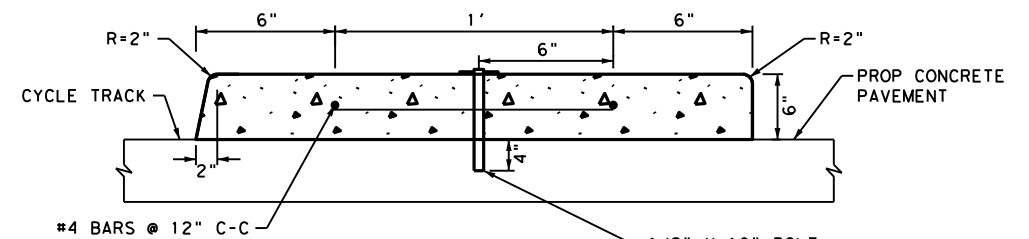
NOTE:

PRECAST MEDIAN, INCLUDING ALL STEEL AND LABOR, TO BE PAID FOR BY TXDOT ITEM 420 CL A CONC (MISC) BY THE CUBIC YARD



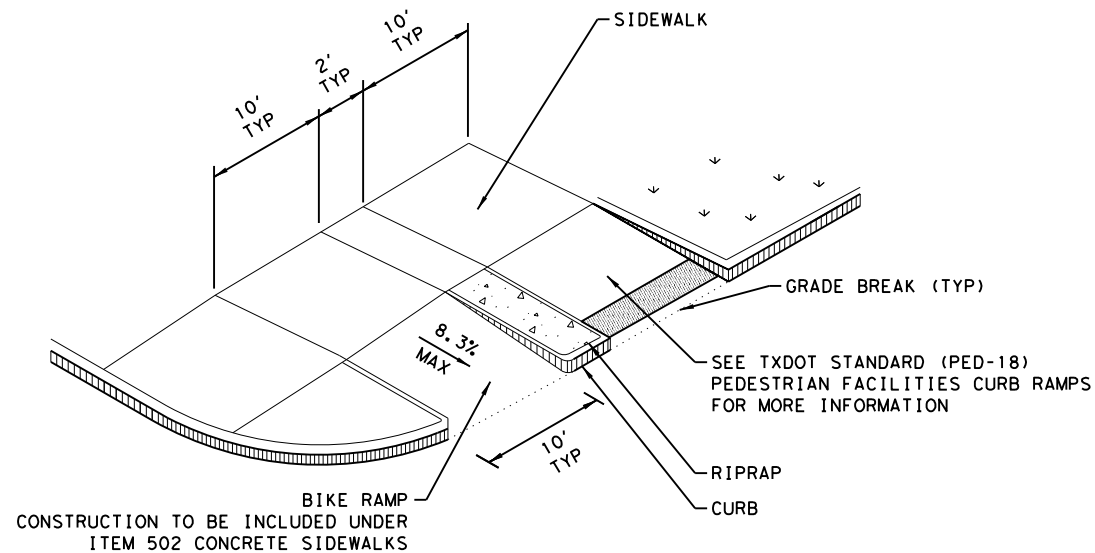
**SECTION A-A**

N. T. S.



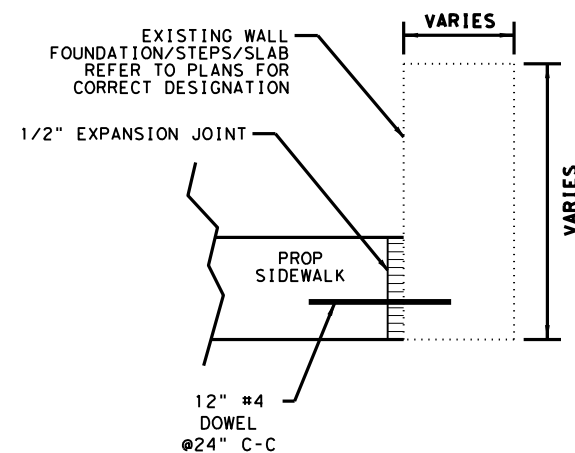
**SECTION B-B**

N. T. S.



**BIKE RAMP DETAIL**

N. T. S.



**SIDEWALK CONNECTION DETAIL**

N. T. S.

DESIGN

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: STEVEN J. TATE  
P. E. SERIAL NO: 131443  
DATE: 1/24/2023

APPROVAL

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: JOHN A. TYLER  
P. E. SERIAL NO: 105193  
DATE: 1/24/2023

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



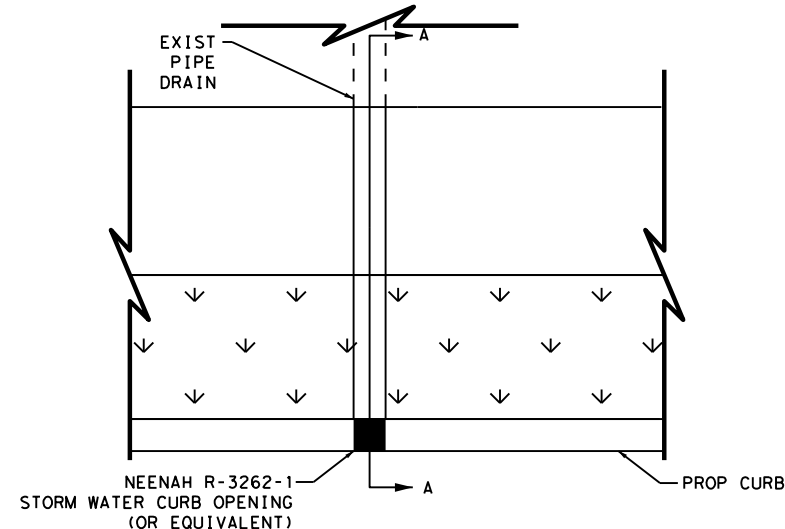
CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA

**ROADWAY DETAILS**

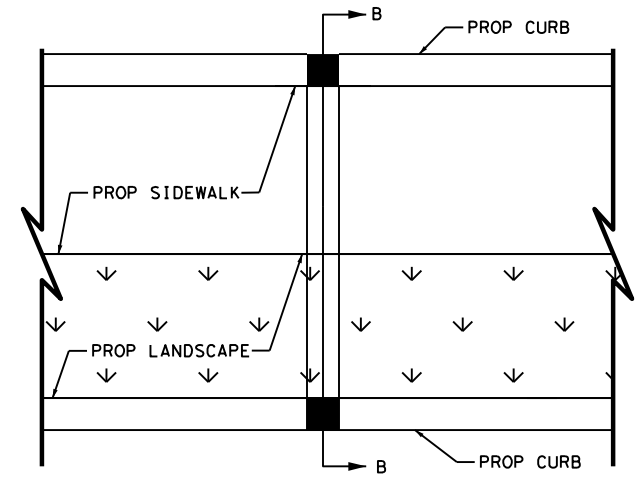
SHEET 2 OF 4

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 141       |



**SIDEWALK CURB DRAIN TY I**  
N.T.S

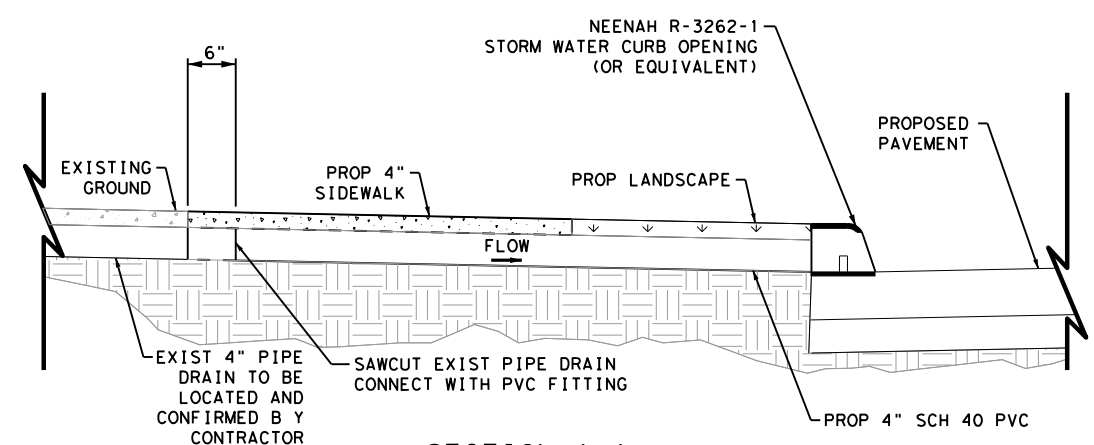
NOTE:  
PROVIDE 6" SPACING BETWEEN EACH SIDEWALK CURB DRAIN



**SIDEWALK CURB DRAIN TY II**  
N.T.S

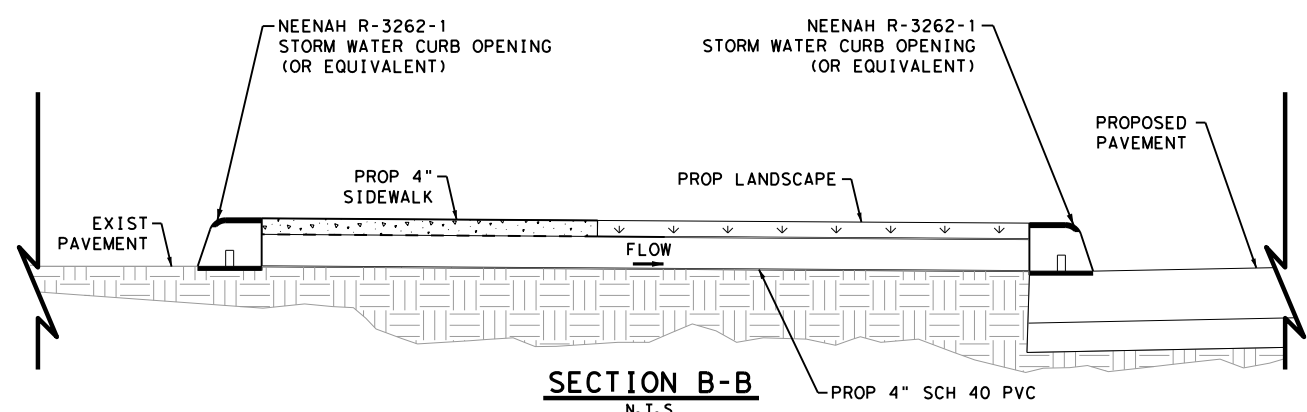
NOTE:  
PROVIDE 6" SPACING BETWEEN EACH SIDEWALK CURB DRAIN

- NOTES:
1. NEENAH R-3262-1 (OR EQUIVALENT) IS SUBSIDIARY TO ITEM 618. NO SEPARATE PAY
  2. PROVIDE SHOP DRAWINGS OF CURB OPENING EQUIVALENT TO NEENAH R-3262-1 FOR ENGINEER APPROVAL
  3. FOLLOW MANUFACTURER INSTRUCTIONS TO PVC, CURB, ETC.



**SECTION A-A**  
N.T.S

- NOTE:
1. SIDEWALK CURB DRAIN TY I INCLUDES 1 NEENAH CURB OPENING
  2. 4" PVC SCH 40 SHALL BE SUPPLIED TO CONNECT EXISTING PIPE DRAIN TO CURB OPENING



**SECTION B-B**  
N.T.S

- NOTE:
1. SIDEWALK CURB DRAIN TY II INCLUDES 2 NEENAH CURB OPENINGS
  2. 4" PVC SCH 40 SHALL BE SUPPLIED TO CONNECT BOTH CURB OPENINGS

DESIGN

|                                                                        |                |
|------------------------------------------------------------------------|----------------|
| INTERIM REVIEW                                                         |                |
| DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION. |                |
| ENGINEER:                                                              | STEVEN J. TATE |
| P.E. SERIAL NO:                                                        | 131443         |
| DATE:                                                                  | 1/24/2023      |

APPROVAL

|                                                                        |               |
|------------------------------------------------------------------------|---------------|
| INTERIM REVIEW                                                         |               |
| DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION. |               |
| ENGINEER:                                                              | JOHN A. TYLER |
| P.E. SERIAL NO:                                                        | 105193        |
| DATE:                                                                  | 1/24/2023     |

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

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2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

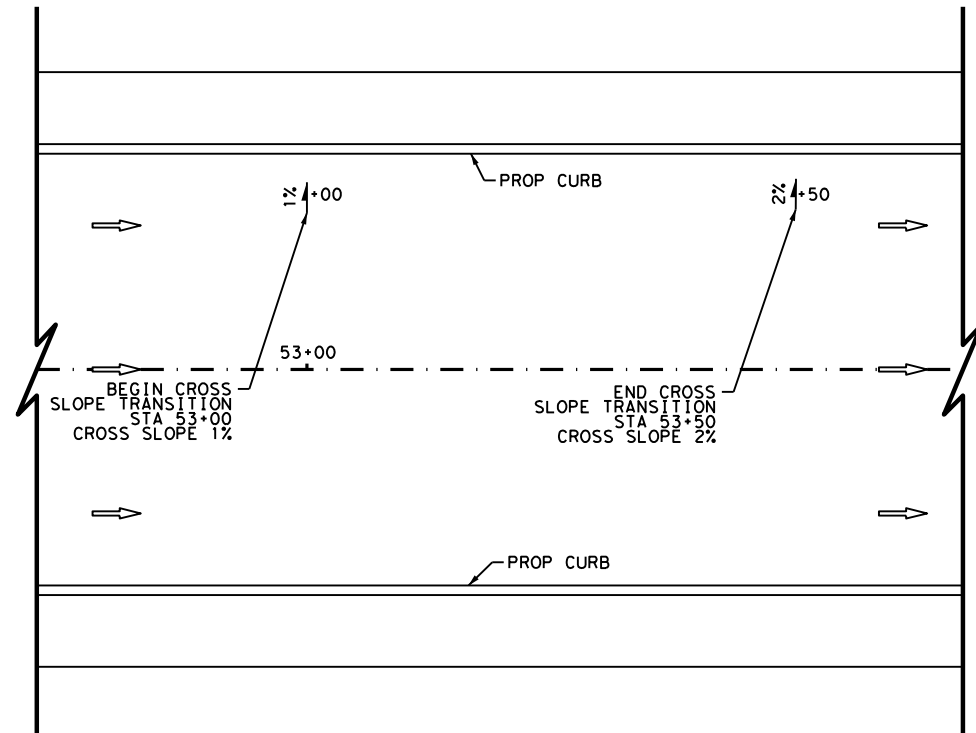
**CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT**

DOLOROSA

**ROADWAY DETAILS**

SHEET 3 OF 4

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 142       |



**CROSS SLOPE TRANSITION**  
N. T. S.

DESIGN

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: STEVEN J. TATE  
P. E. SERIAL NO: 131443  
DATE: 1/24/2023

APPROVAL

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: JOHN A. TYLER  
P. E. SERIAL NO: 105193  
DATE: 1/24/2023

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |



**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**ROADWAY DETAILS**

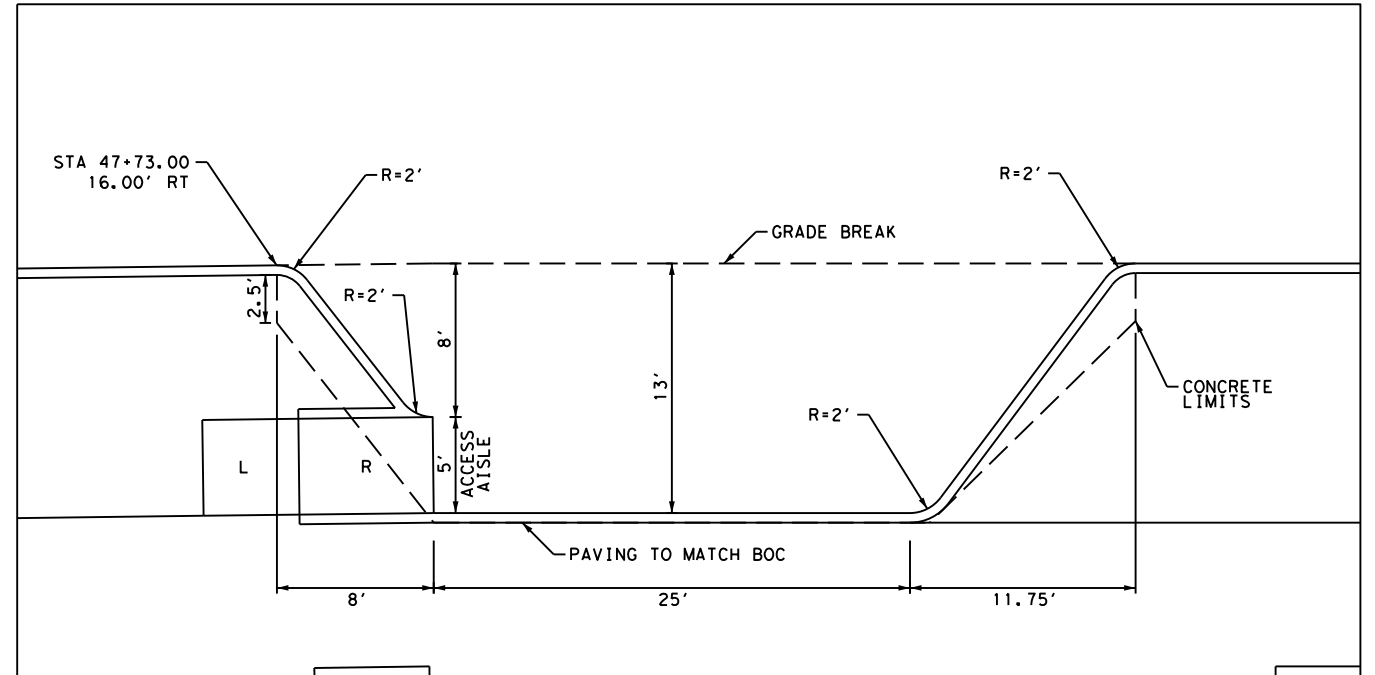
SHEET 4 OF 4

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 143       |



**PARKING BAY DESIGN TABLE**

| BAY NO. | STA        | OFFSET    | LENGTH OF BAY |
|---------|------------|-----------|---------------|
| 1       | 39+08.63   | 16.00' RT | 40'           |
| 2       | 40+01.65   | 16.00' RT | 40'           |
| 3       | 40+52.00   | 15.00' LT | 60'           |
| 4       | 40+67.74   | 16.00' RT | 40'           |
| 5       | 41+39.98   | 16.00' RT | 40'           |
| 6       | 43+67.00   | 16.00' RT | 40'           |
| 7       | 46+76.42   | 16.00' RT | 40'           |
| 8       | SEE DETAIL |           |               |



**PARKING BAY #8**

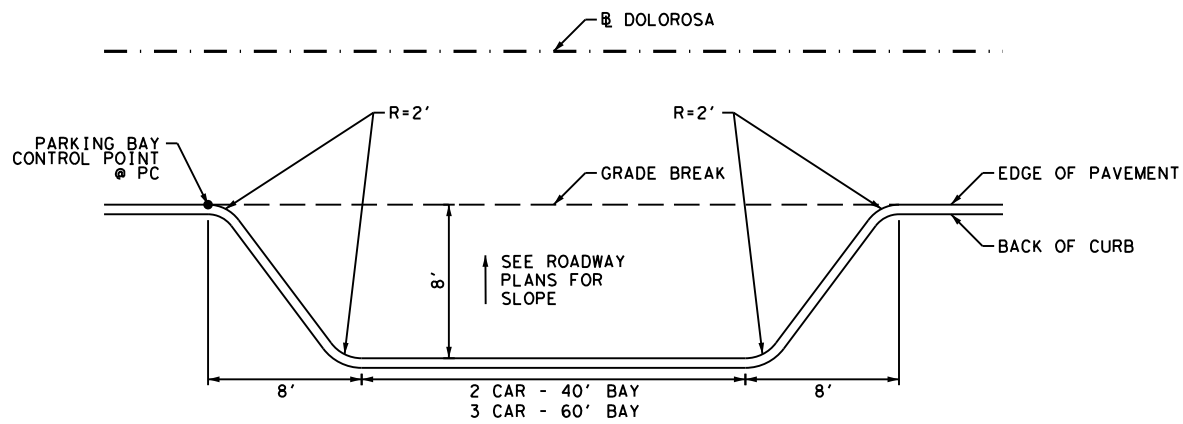
N. T. S.

DESIGN

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: STEVEN J. TATE  
P. E. SERIAL NO: 131443  
DATE: 1/24/2023

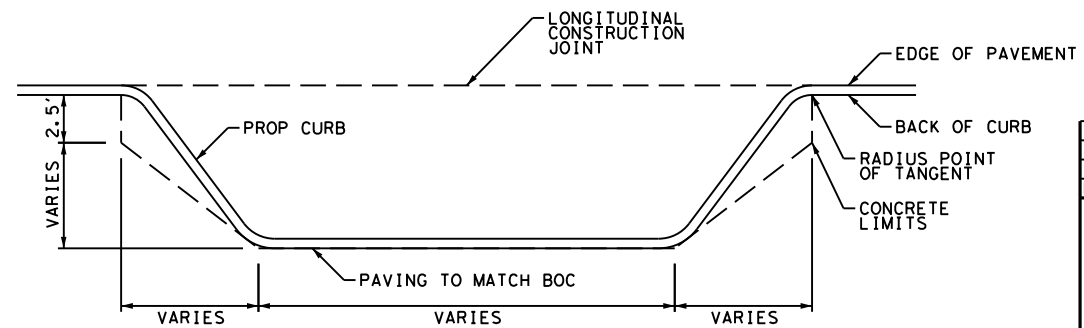
APPROVAL

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: JOHN A. TYLER  
P. E. SERIAL NO: 105193  
DATE: 1/24/2023



**PARKING BAY DETAIL**

N. T. S.



**PARKING BAY PAVING DETAIL**

N. T. S.

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

**CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT**

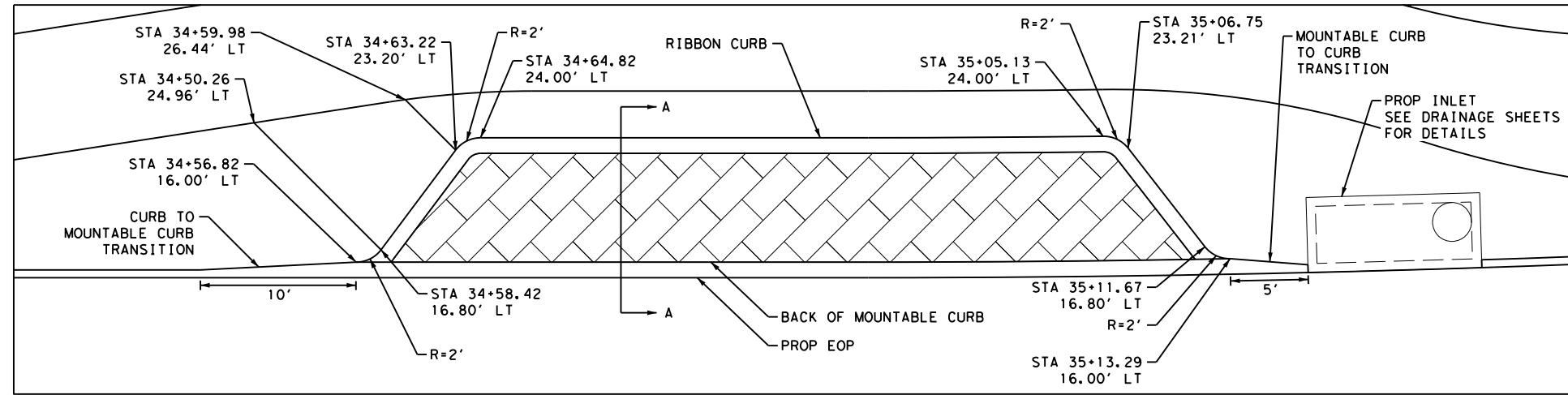
**DOLOROSA PARKING BAY DETAILS**

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 144       |

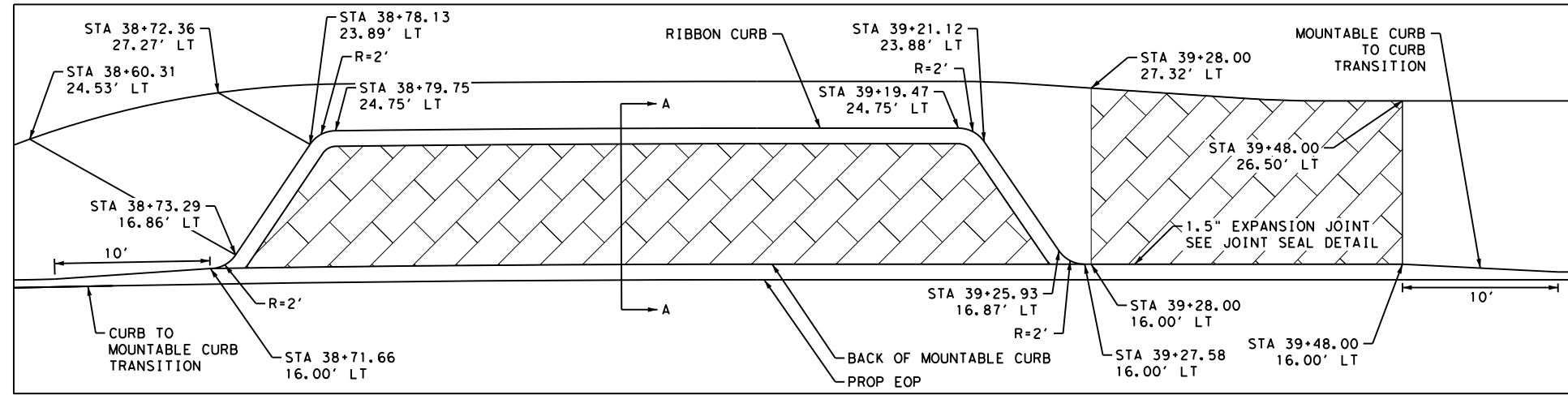
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Plotted on: 1/24/2023

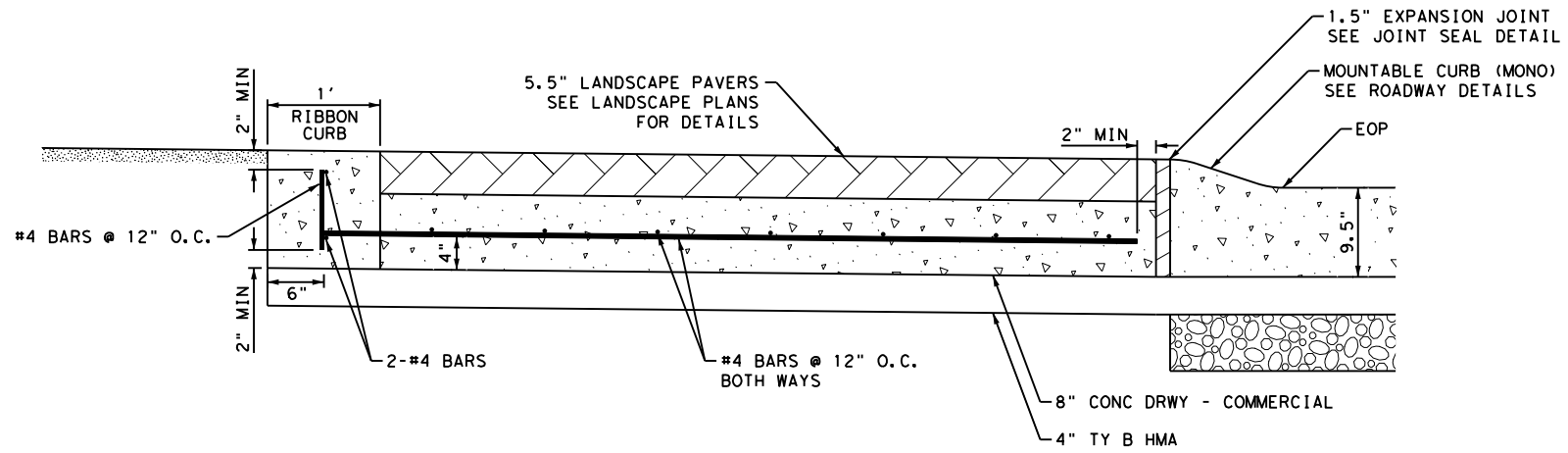
Design File name: P:\122\27\03\Design\Civil\Roadway\1222703\_RDWYDET04.dgn



**LOADING BAY #1**  
N. T. S.



**LOADING BAY #2**  
N. T. S.



**SECTION A-A, LOADING BAY PAVING DETAIL**  
N. T. S.

DESIGN  
**INTERIM REVIEW**  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: STEVEN J. TATE  
P. E. SERIAL NO: 131443  
DATE: 1/24/2023

APPROVAL  
**INTERIM REVIEW**  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: JOHN A. TYLER  
P. E. SERIAL NO: 105193  
DATE: 1/24/2023

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

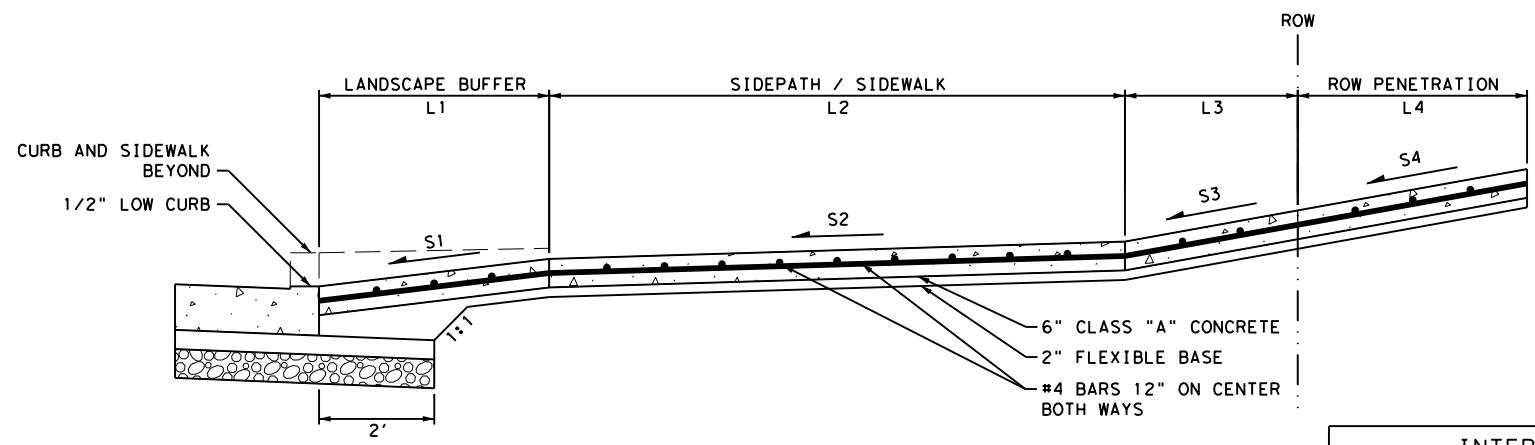
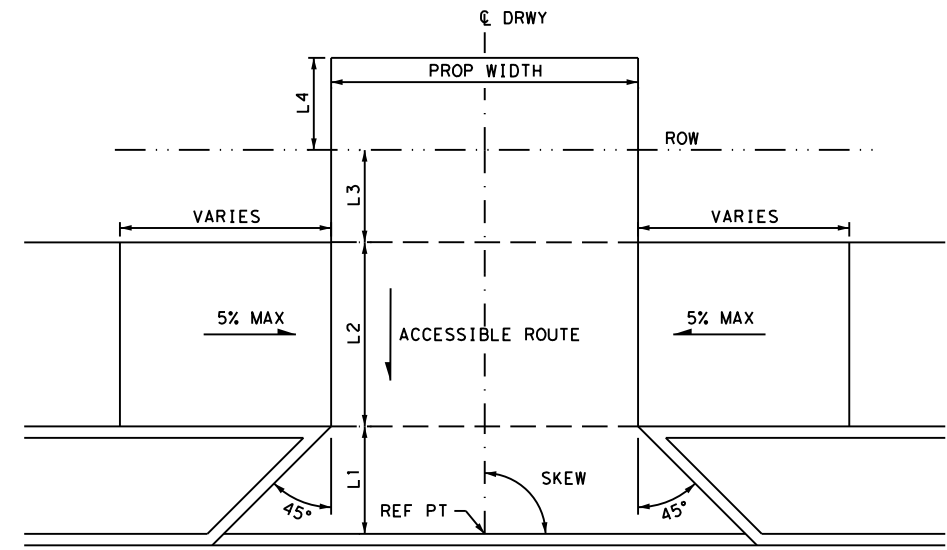
DOLOROSA  
**LOADING BAY DETAILS**

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 145       |

Plotted on: 1/24/2023 7:02:51 PM  
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### DRIVEWAY SUMMARY

| DRIVEWAY NO. | REFERENCE POINT            |             |      | ITEM 503.1                        | ITEM 503.2                                     | SKEW                       | PROP WIDTH | L1   | S1  | L2   | S2   | L3  | S3  | L4  | S4  |
|--------------|----------------------------|-------------|------|-----------------------------------|------------------------------------------------|----------------------------|------------|------|-----|------|------|-----|-----|-----|-----|
|              | STA                        | OFFSET (FT) | SIDE | PORTLAND CEMENT CONCRETE DRIVEWAY | PORTLAND CEMENT CONCRETE DRIVEWAY - COMMERCIAL |                            |            |      |     |      |      |     |     |     |     |
| 1-1          | 26+57.56                   | 15.5        | LT   | 67                                |                                                | 90                         | 25         | 5    | 4.7 | 18   | 1.5  |     |     |     |     |
| 2-1          | SEE NEXT SHEET FOR DETAILS |             |      | 50                                |                                                | SEE NEXT SHEET FOR DETAILS |            |      |     |      |      |     |     |     |     |
| 3-1          | 32+90.39                   | 16.5        | RT   | 60                                |                                                | 90                         | 30         | 5    | 6   | 6    | 1.5  | 6   | 4.3 |     |     |
| 3-2          | 33+86.81                   | 15.5        | LT   | 56                                |                                                | 90                         | 22         | 5    | 8.2 | 12   | 2    | 4.4 | 8   |     |     |
| 3-3          | SEE NEXT SHEET FOR DETAILS |             |      | 38                                |                                                | SEE NEXT SHEET FOR DETAILS |            |      |     |      |      |     |     |     |     |
| 4-1          | SEE NEXT SHEET FOR DETAILS |             |      |                                   | 144                                            | SEE NEXT SHEET FOR DETAILS |            |      |     |      |      |     |     |     |     |
| 4-2          | 37+12.79                   | 16.5        | RT   | 63                                |                                                | 90                         | 26         | 5.5  | 6   | 10   | 1.5  | 5   | 6.1 |     |     |
| 4-3          | 37+68.33                   | 15.5        | LT   | 81                                |                                                | 90                         | 20         | 5    | 1.8 | 26.4 | 1    | 3.6 | 1.1 |     |     |
| 4-4          | 38+26.75                   | 15.5        | LT   | 89                                |                                                | 90                         | 20         | 5    | 2.2 | 33.5 | 0.67 |     |     |     |     |
| 5-1          | 40+27.21                   | 15.5        | LT   | 58                                |                                                | 89.9                       | 14.5       | 11   | 1.5 | 23   | 0.67 |     |     |     |     |
| 5-2          | 41+59.63                   | 15.5        | LT   | 69                                |                                                | 90                         | 14         | 11   | 2   | 22.5 | 1    | 9.1 | 1.2 |     |     |
| 6-1          | 44+93.55                   | 16.5        | RT   | 77                                |                                                | 90                         | 25         | 10.8 | 5.6 | 7.5  | 1.5  | 2.5 | 1.5 | 5.5 | 1.5 |
| 8-1          | 51+60.43                   | 16.5        | RT   | 30                                |                                                | 90                         | 23         | 4.1  | 2.5 | 7.4  | 0.7  |     |     |     |     |
| 8-2          | SEE NEXT SHEET FOR DETAILS |             |      | 24                                |                                                | SEE NEXT SHEET FOR DETAILS |            |      |     |      |      |     |     |     |     |
| 8-3          | 52+73.18                   | 16.5        | RT   | 29                                |                                                | 90                         | 16         | 4    | 6   | 6.2  | 1.5  | 5.8 | 4.6 |     |     |



### CONCRETE DRIVEWAY NOTES

- ROW PENETRATION REFERS TO A PORTION OF THE DRIVEWAY THAT MAY BE NECESSARY TO RECONSTRUCT WITHIN PRIVATE PROPERTY TO COMPLY WITH A MAXIMUM DRIVEWAY SLOPE. THIS PORTION OF THE CONCRETE DRIVEWAY SHALL BE PAID FOR UNDER ITEM NO. 503.1 OR 503.2.
- 7" MINIMUM HEIGHT WILL NOT NECESSARILY OCCUR AT THE PROPERTY LINE. IT MAY OCCUR WITHIN THE RIGHT OF WAY OR WITHIN THE DRIVEWAY PENETRATION ON PRIVATE PROPERTY.
- THE PROPOSED DRIVEWAY SHOULD MATCH THE EXISTING WIDTH AT THE PROPERTY LINE UNLESS AUTHORIZED BY THE CITY TRAFFIC ENGINEER, THE WIDTH SHALL BE WITHIN THE FOLLOWING VALUES:

| TYPE                 | MINIMUM | MAXIMUM |
|----------------------|---------|---------|
| RESIDENTIAL          | 10'     | 20'     |
| COMMERCIAL - ONE WAY | 12'     | 20'     |
| COMMERCIAL - TWO WAY | 24'     | 30'     |

- FOR LOCAL TYPE "A" STREETS, SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 4' AND IF SEPARATED FROM THE CURB, THE SIDEWALK SHALL BE LOCATED A MINIMUM OF 2' FROM THE BACK OF CURB.
- FOR OTHER THAN LOCAL TYPE "A" STREETS, THE SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 4' AND SEPARATED A MINIMUM OF 2' FROM THE BACK OF CURB OR, AS AN OPTION, THE SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 6' WHEN LOCATED AT THE BACK OF CURB.
- DUMMY JOINTS PARALLEL TO THE CURB SHALL BE PLACED WHERE THE SIDEWALK MEETS THE DRIVEWAY. DUMMY JOINTS PERPENDICULAR TO THE CURB, AND WITHIN THE BOUNDARIES OF THE DUMMY JOINTS, SHALL BE PLACED AT INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK.
- A MINIMUM OF TWO ROUND AND SMOOTH DOWEL BARS 3/8" IN DIAMETER AND 18" IN LENGTH SHALL BE SPACED 18" APART AT EACH EXPANSION JOINT.
- SIDEWALK RAMP LENGTHS SHALL BE OF SUFFICIENT LENGTH TO MAINTAIN 5.0% (1:20) MAXIMUM SLOPE. WHERE SIDEWALKS CROSS DRIVEWAYS, SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
- SIDEWALK RAMP SURFACE SHALL BE BRUSH FINISHED.

**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: STEVEN J. TATE  
 P.E. SERIAL NO: 131443  
 DATE: 1/24/2023

**INTERIM REVIEW**  
 DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
 ENGINEER: JOHN A. TYLER  
 P.E. SERIAL NO: 105193  
 DATE: 1/24/2023

NOT TO SCALE

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

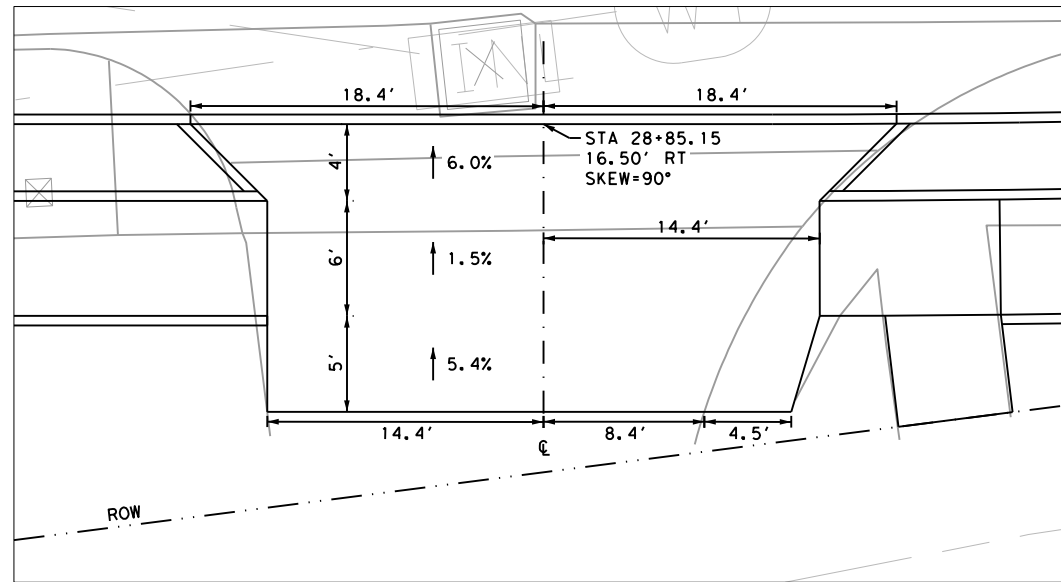
CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA  
**DRIVEWAY DETAILS**

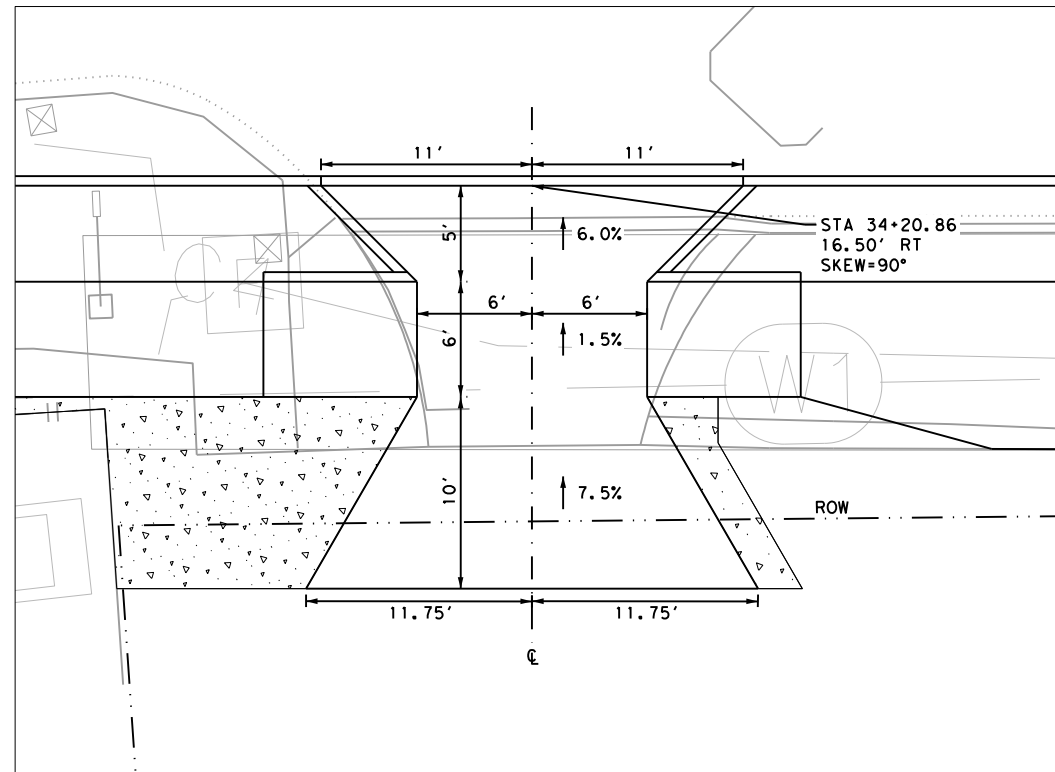
SHEET 1 OF 2

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
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| ST     | JT      | JG    | 23-03763    | 70%       | 146       |

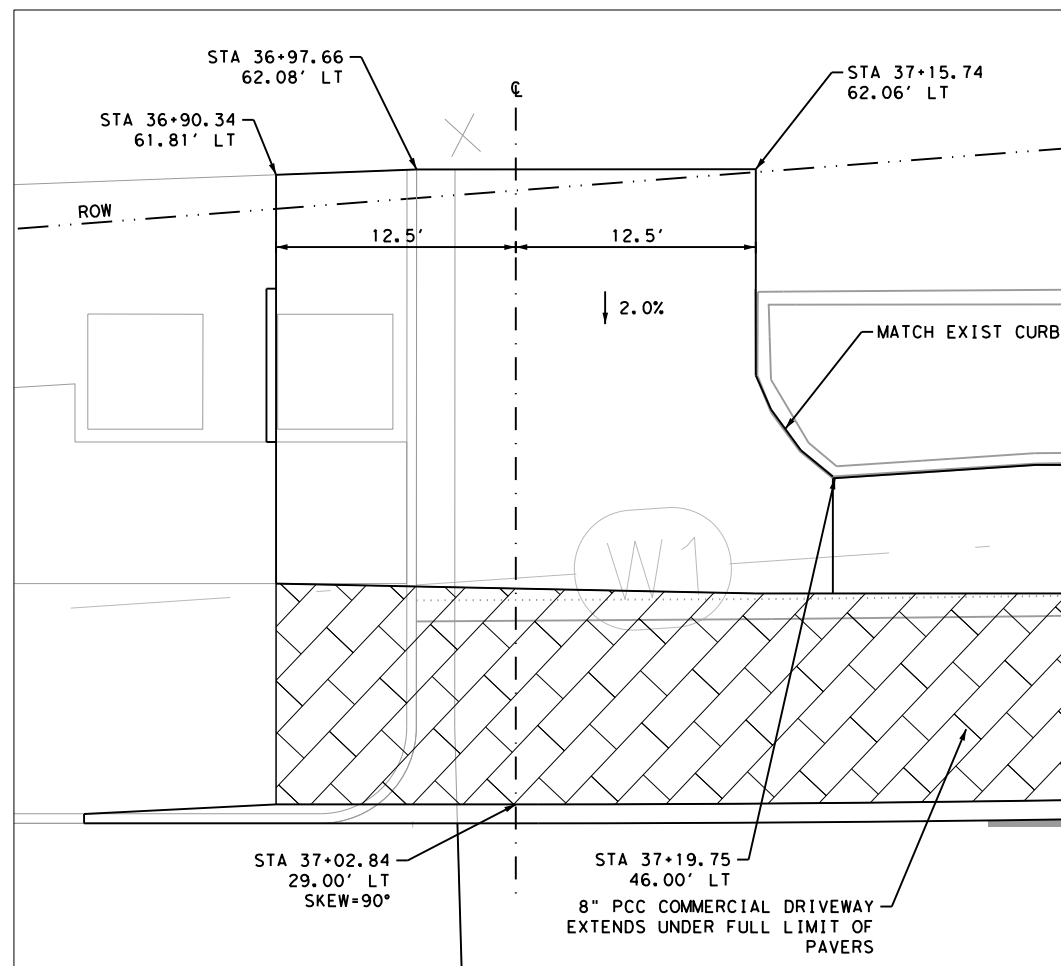




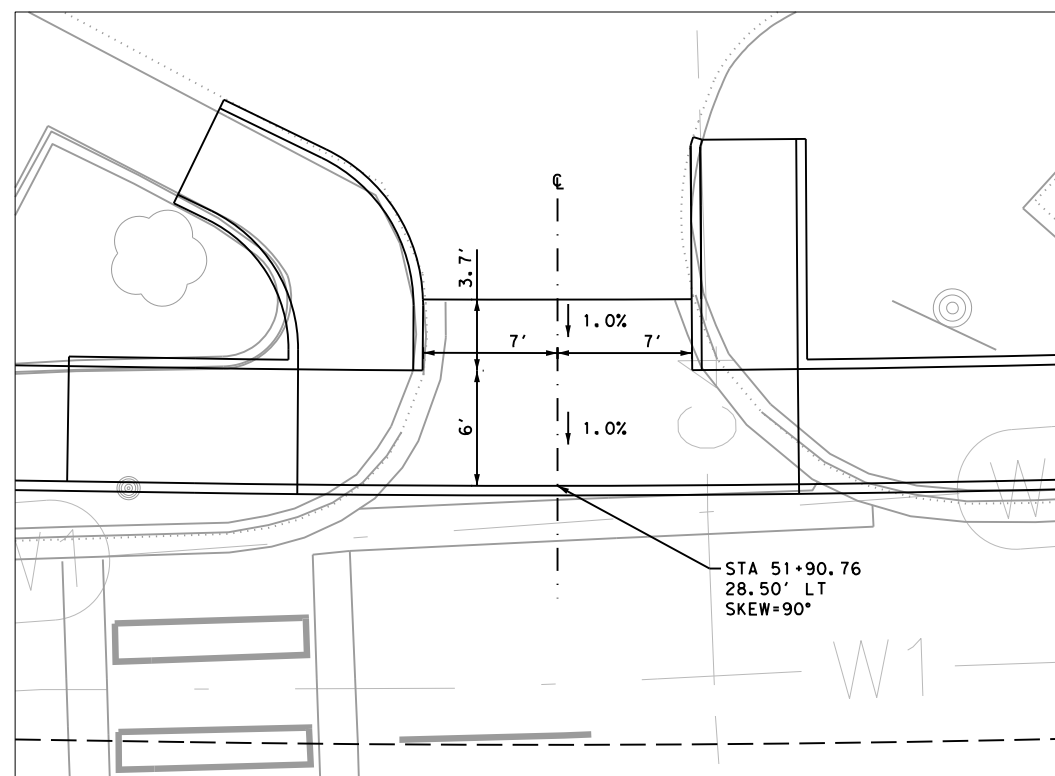
**DRIVEWAY 2-1**



**DRIVEWAY 3-3**



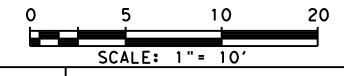
**DRIVEWAY 4-1**



**DRIVEWAY 8-2**

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: STEVEN J. TATE  
P.E. SERIAL NO: 131443  
DATE: 1/24/2023

INTERIM REVIEW  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: JOHN A. TYLER  
P.E. SERIAL NO: 105193  
DATE: 1/24/2023



| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**

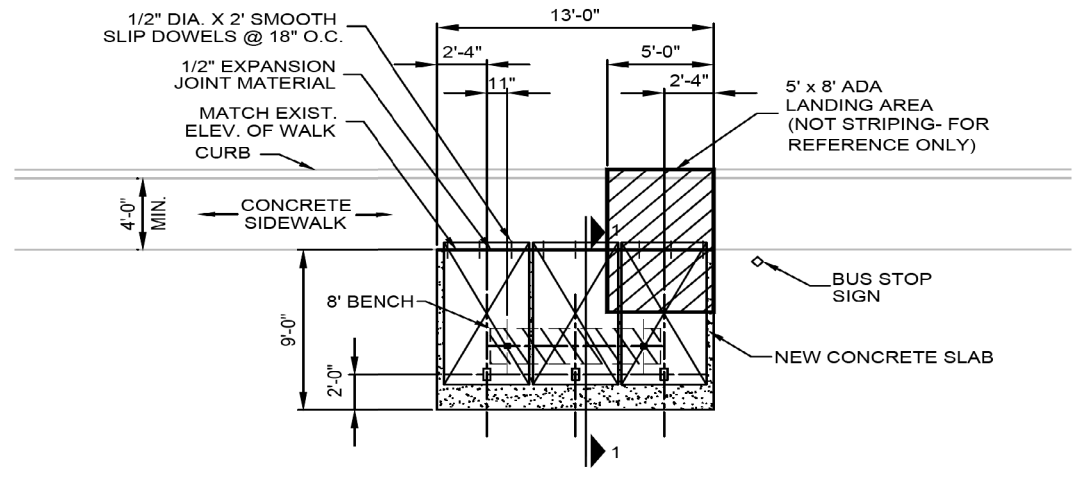
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

DOLOROSA

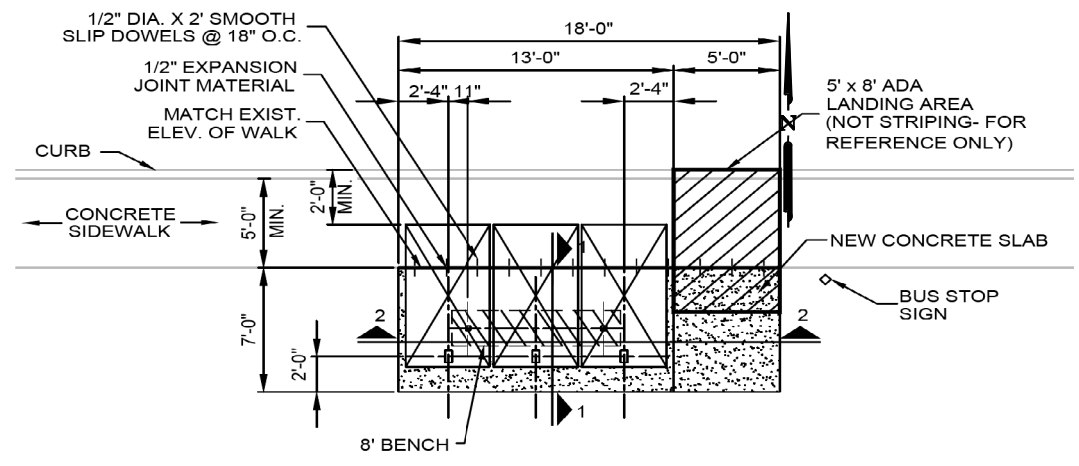
**DRIVEWAY DETAILS**

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 147       |



**NEXT GEN TY I - SUFFICIENT ROW DETAIL**

N. T. S.  
\*SEE SHEET 149 FOR SECTION 1-1\* (SEE NOTE 1)

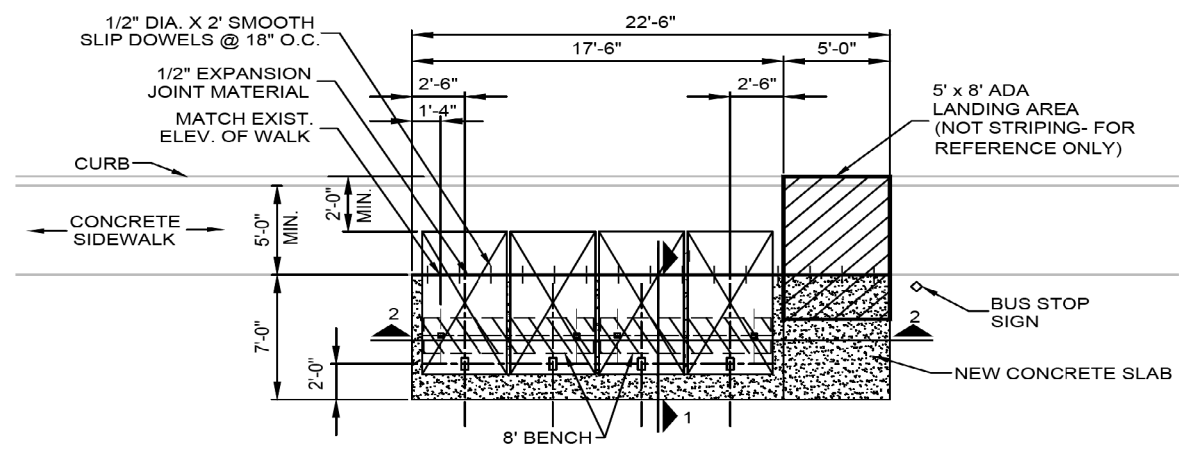


**NEXT GEN TY II - INSUFFICIENT ROW DETAIL**

N. T. S.  
\*SEE SHEET 149 FOR SECTION 1-1, 2-2\* (SEE NOTE 1)

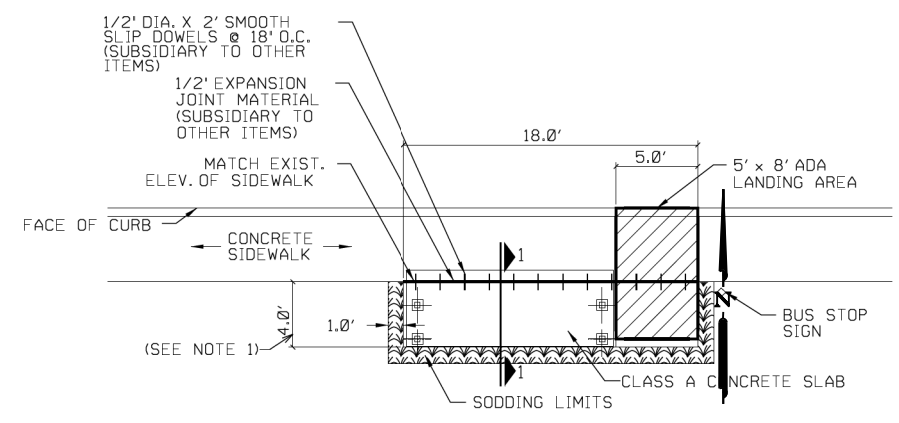
**NOTES:**

- \* NEW BASE IS SUBSIDIARY TO ITEM 420.
- 1. IF ADDITIONAL UNITS ARE SPECIFIED ON THE PLANS, ADD 4.5' TO THE SLAB WIDTH FOR EACH ADDITIONAL UNIT SPECIFIED.
- 2. EXISTING STRUCTURES (TRANSIT SHELTERS) THAT CONFLICT WITH PROPOSED STRUCTURES ARE TO BE REMOVED BY OTHERS PRIOR TO REMOVAL OF EXISTING CONCRETE.



**NEXT GEN TY III - INSUFFICIENT ROW DETAIL**

N. T. S.  
\*SEE SHEET 149 FOR SECTION 1-1, 2-2\* (SEE NOTE 1)



**TY IV - BARREL ROOF DETAIL**

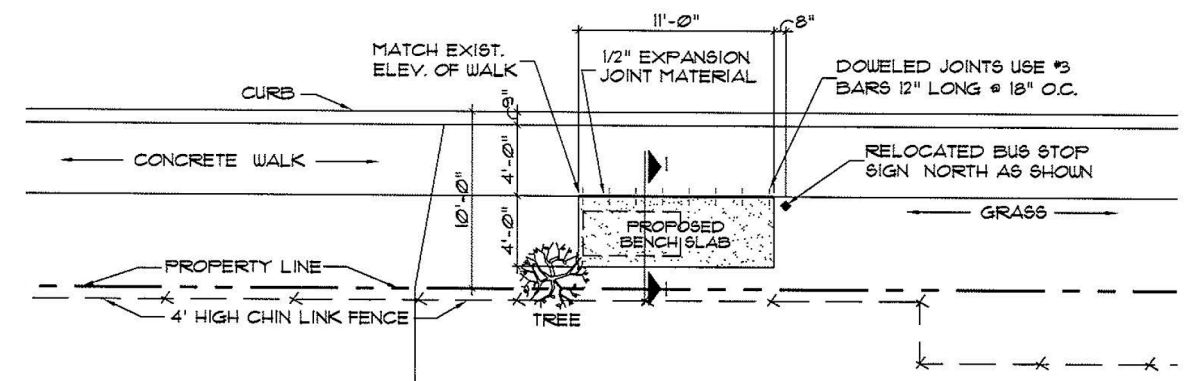
N. T. S.  
\*SEE SHEET 149 FOR SECTION 1-1\*

**DESIGN**

|                                                                        |                |
|------------------------------------------------------------------------|----------------|
| <b>INTERIM REVIEW</b>                                                  |                |
| DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION. |                |
| ENGINEER:                                                              | STEVEN J. TATE |
| P. E. SERIAL NO.:                                                      | 131443         |
| DATE:                                                                  | 1/24/2023      |

**APPROVAL**

|                                                                        |               |
|------------------------------------------------------------------------|---------------|
| <b>INTERIM REVIEW</b>                                                  |               |
| DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION. |               |
| ENGINEER:                                                              | JOHN A. TYLER |
| P. E. SERIAL NO.:                                                      | 105193        |
| DATE:                                                                  | 1/24/2023     |



**TY V - BENCH SLAB DETAIL**

N. T. S.  
\*SEE SHEET 149 FOR SECTION 1-1\*

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

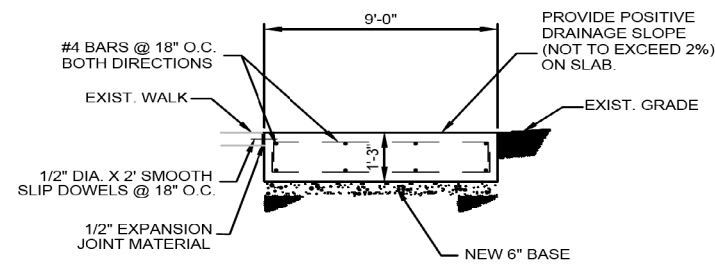
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

**CITY OF SAN ANTONIO**  
**PUBLIC WORKS DEPARTMENT**  
 DOLOROSA

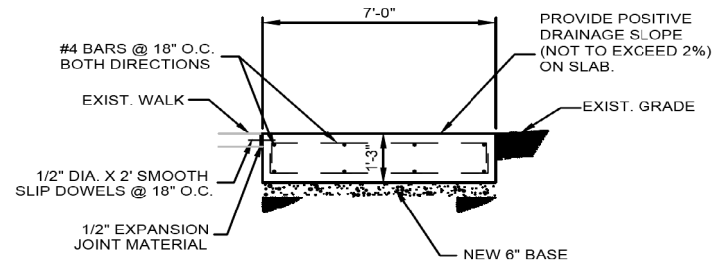
TRANSIT STOP DETAILS

|        |         |       |             |           |           |
|--------|---------|-------|-------------|-----------|-----------|
| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
| ST     | JT      | JG    | 23-03763    | 70%       | 148       |

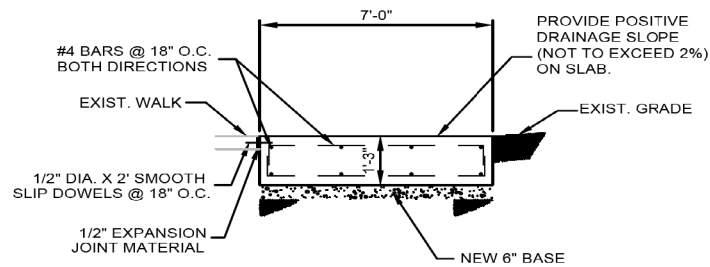
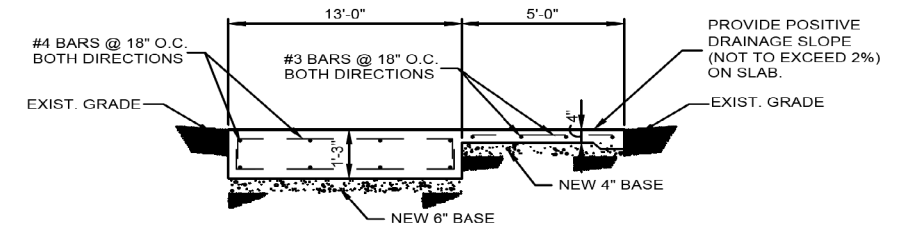
SHEET 1 OF 2



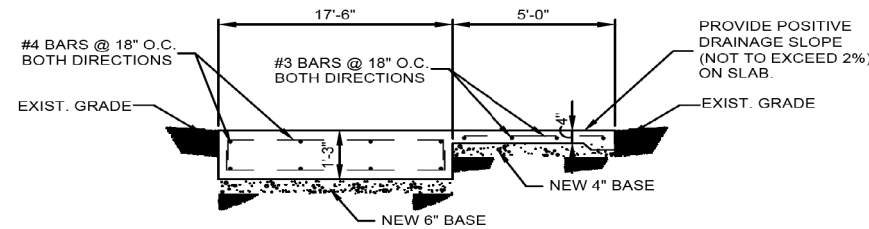
**NEXT GEN TY I - SUFFICIENT ROW SECTION 1-1**  
N. T. S.



**NEXT GEN TY II - INSUFFICIENT ROW SECTION 1-1, 2-2**  
N. T. S.



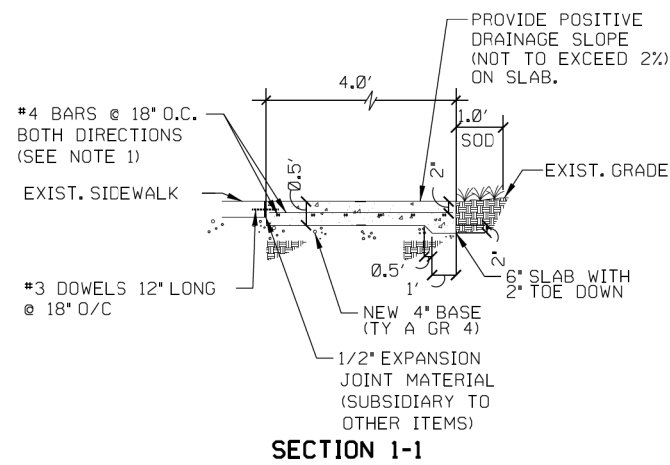
**NEXT GEN TY III - INSUFFICIENT ROW SECTION 1-1, 2-2**  
N. T. S.



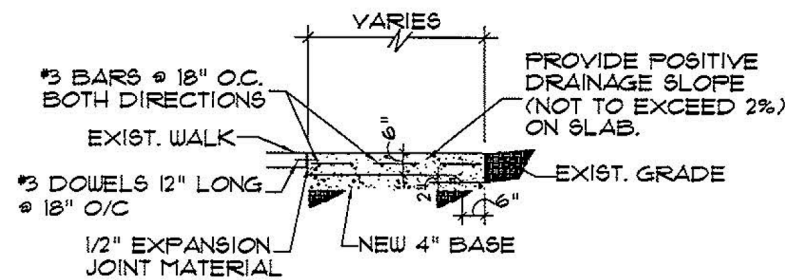
NOTES:  
\* NEW BASE IS SUBSIDIARY TO ITEM 420.

DESIGN  
**INTERIM REVIEW**  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: STEVEN J. TATE  
P. E. SERIAL NO: 131443  
DATE: 1/24/2023

APPROVAL  
**INTERIM REVIEW**  
DOCUMENT INCOMPLETE. NOT INTENDED FOR PERMIT, BIDDING OR CONSTRUCTION.  
ENGINEER: JOHN A. TYLER  
P. E. SERIAL NO: 105193  
DATE: 1/24/2023



**TY IV - BARREL ROOF SECTION 1-1**  
N. T. S.



**TY V - BENCH SLAB SECTION 1-1**  
N. T. S.

**1 DETAIL**  
SCALE: 3/8" = 1'-0"

| REV. NO. | DATE | DESCRIPTION | BY |
|----------|------|-------------|----|
|          |      |             |    |

**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
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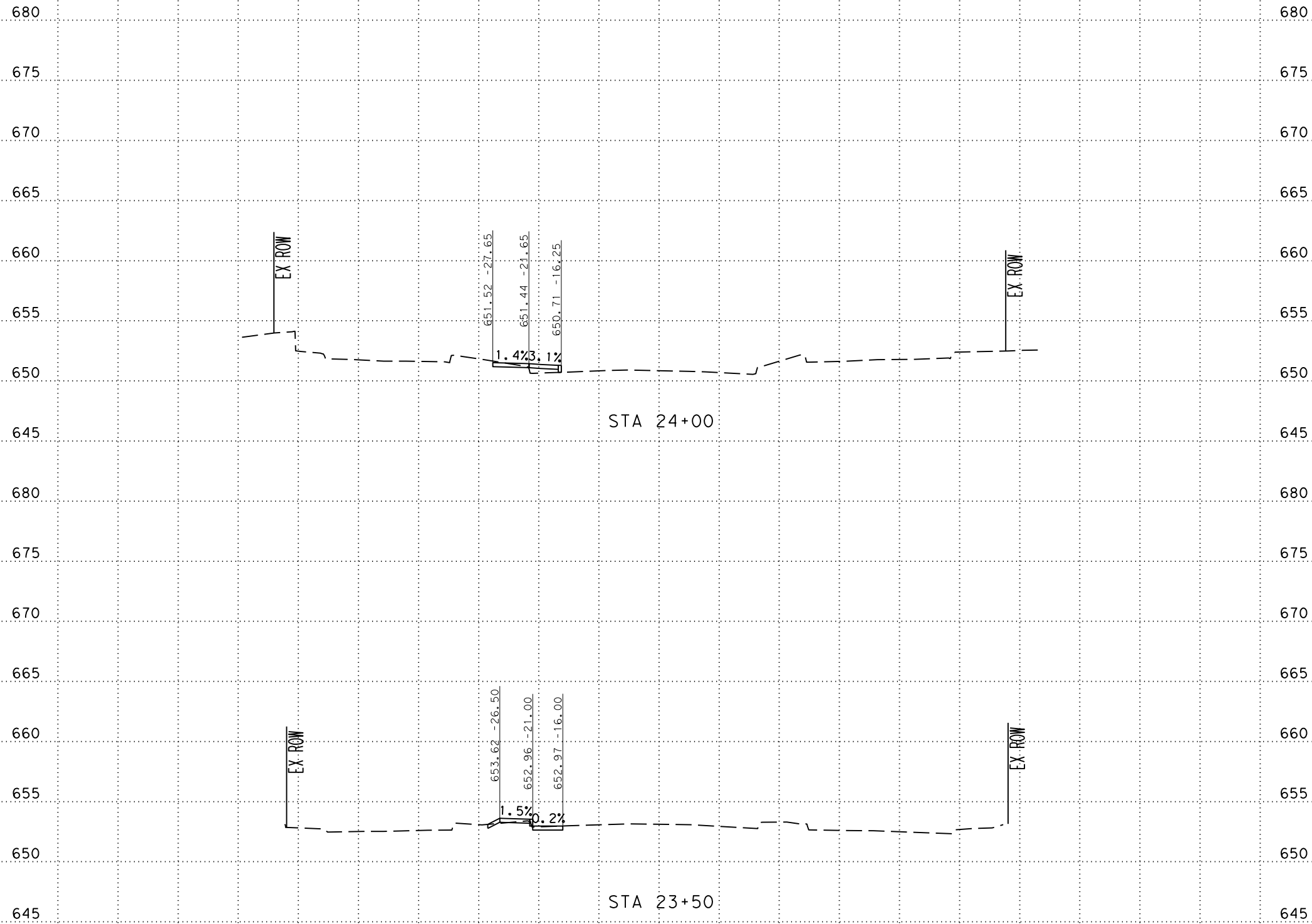
DOLOROSA  
**TRANSIT STOP DETAILS**

SHEET 2 OF 2

| DESIGN | CHECKED | DRAWN | PROJECT NO. | SUBMITTAL | SHEET NO. |
|--------|---------|-------|-------------|-----------|-----------|
| ST     | JT      | JG    | 23-03763    | 70%       | 149       |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
**STA 23+50 TO STA 24+00**  
**CROSS SECTIONS**

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 150  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

STA 24+50

EX 24" STRM

EX 8" SS

EX 8" W

EX 8" SS

EX COMM

EX UGE

EX COMM

EX COMM

EX COMM

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 24+50 TO STA 24+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 151 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 25+00

EX 24" STRM

EX 8" W

EX UGE

EX COMM

EX COMM

EX COMM

EX COMM

EX COMM

EX COMM

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 25+00 TO STA 25+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 152 |              |                 |

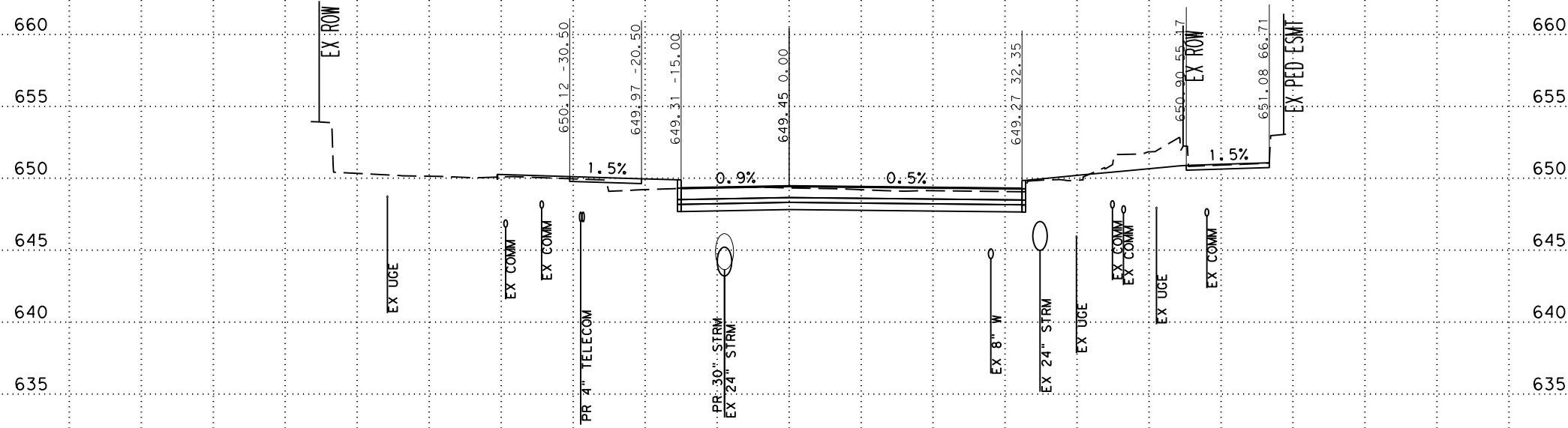


-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



STA 25+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

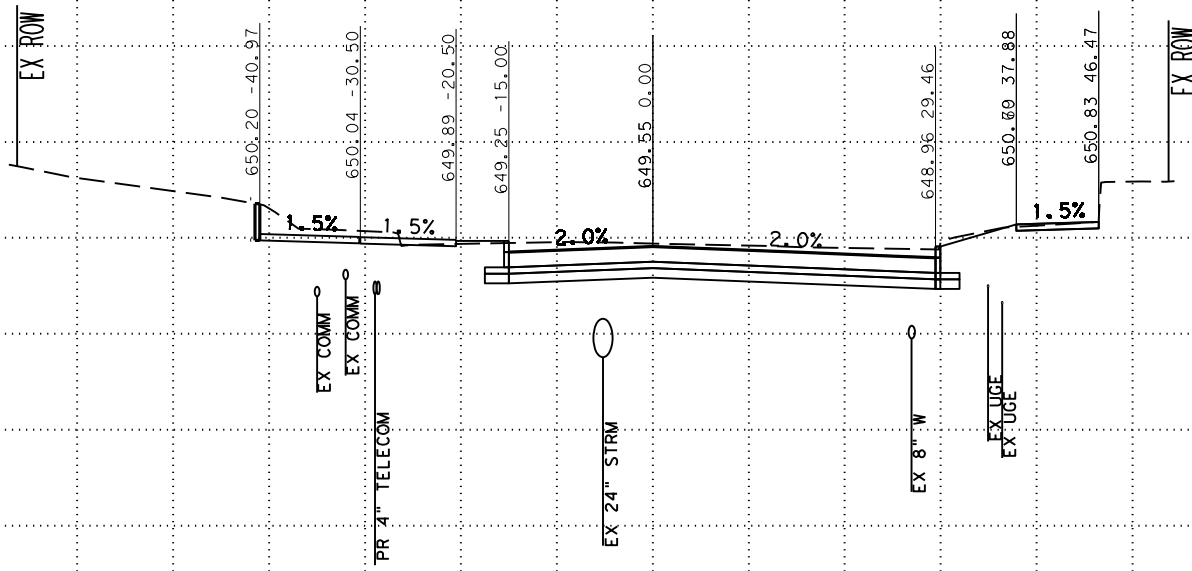
DOLOROSA  
STA 25+50 TO STA 25+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 153 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 26+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

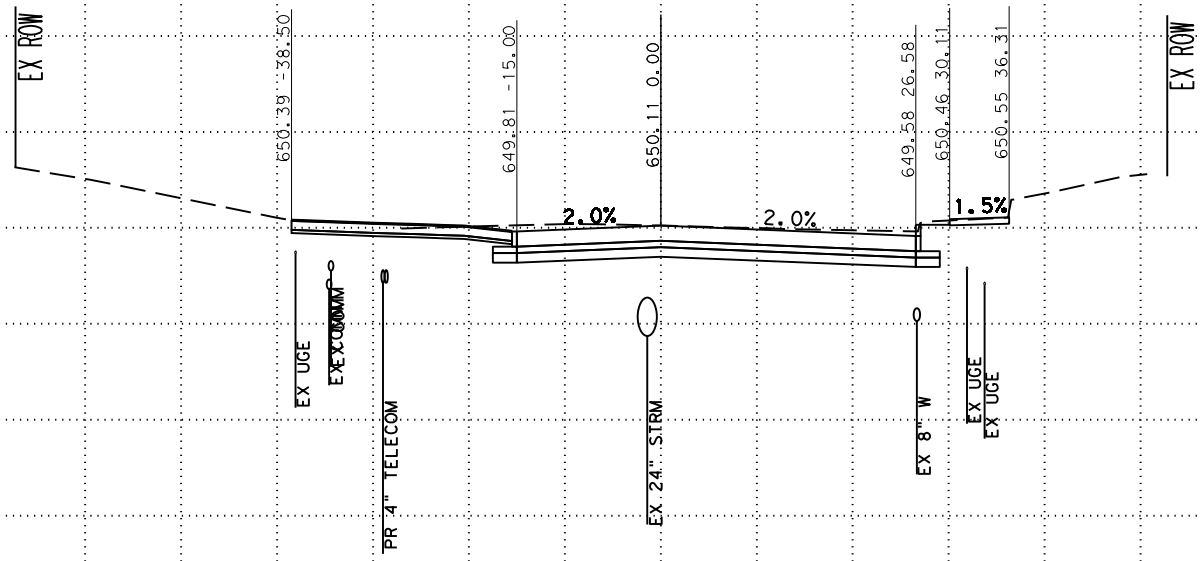
DOLOROSA  
STA 26+00 TO STA 26+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 154 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 26+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 26+50 TO STA 26+50  
CROSS SECTIONS

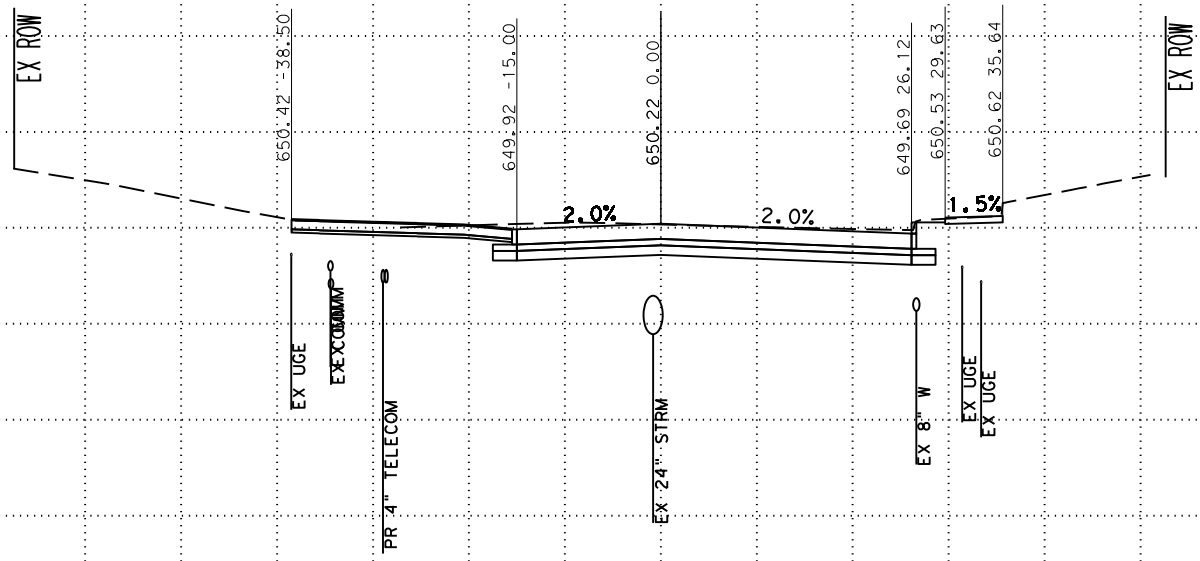
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 155 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 26+58

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

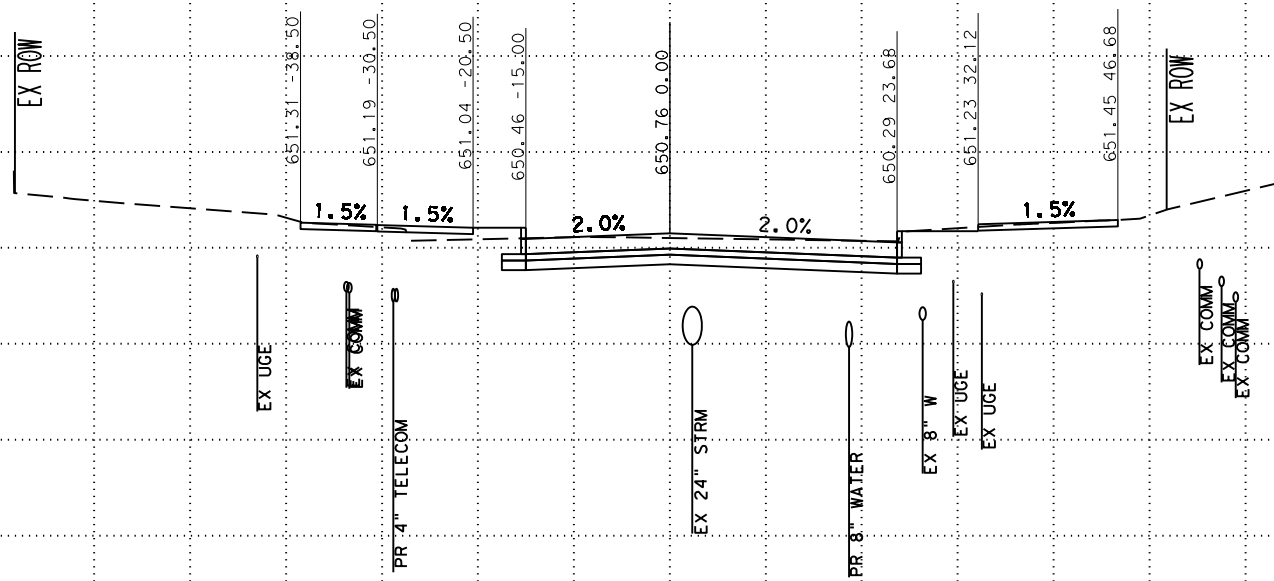
**DOLOROSA**  
STA 26+58 TO STA 26+58  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 156 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 27+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

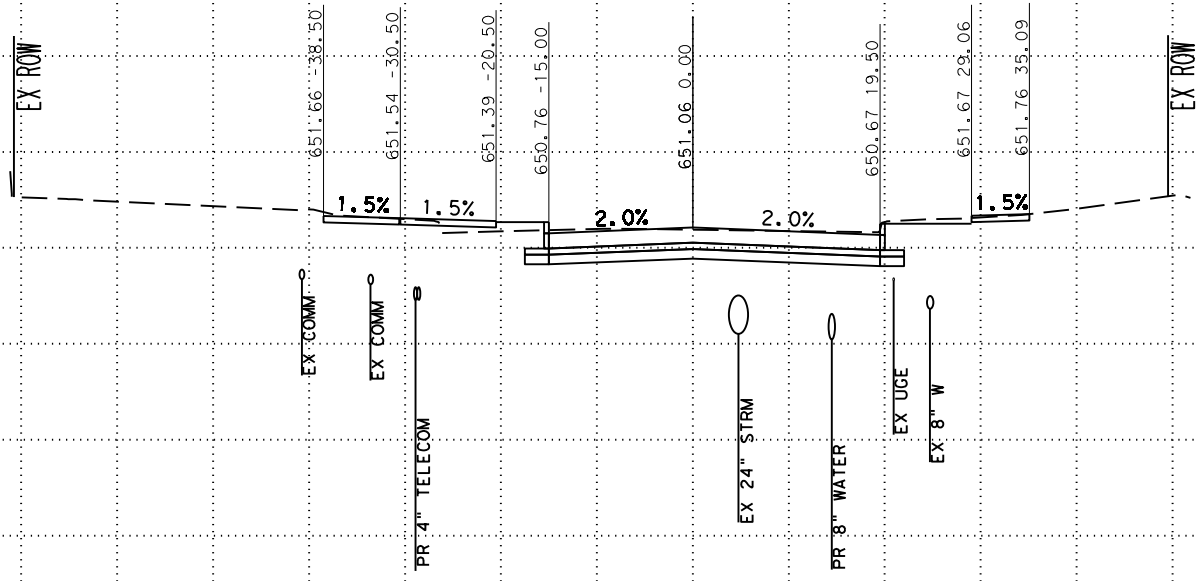
DOLOROSA  
STA 27+00 TO STA 27+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 157 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 27+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



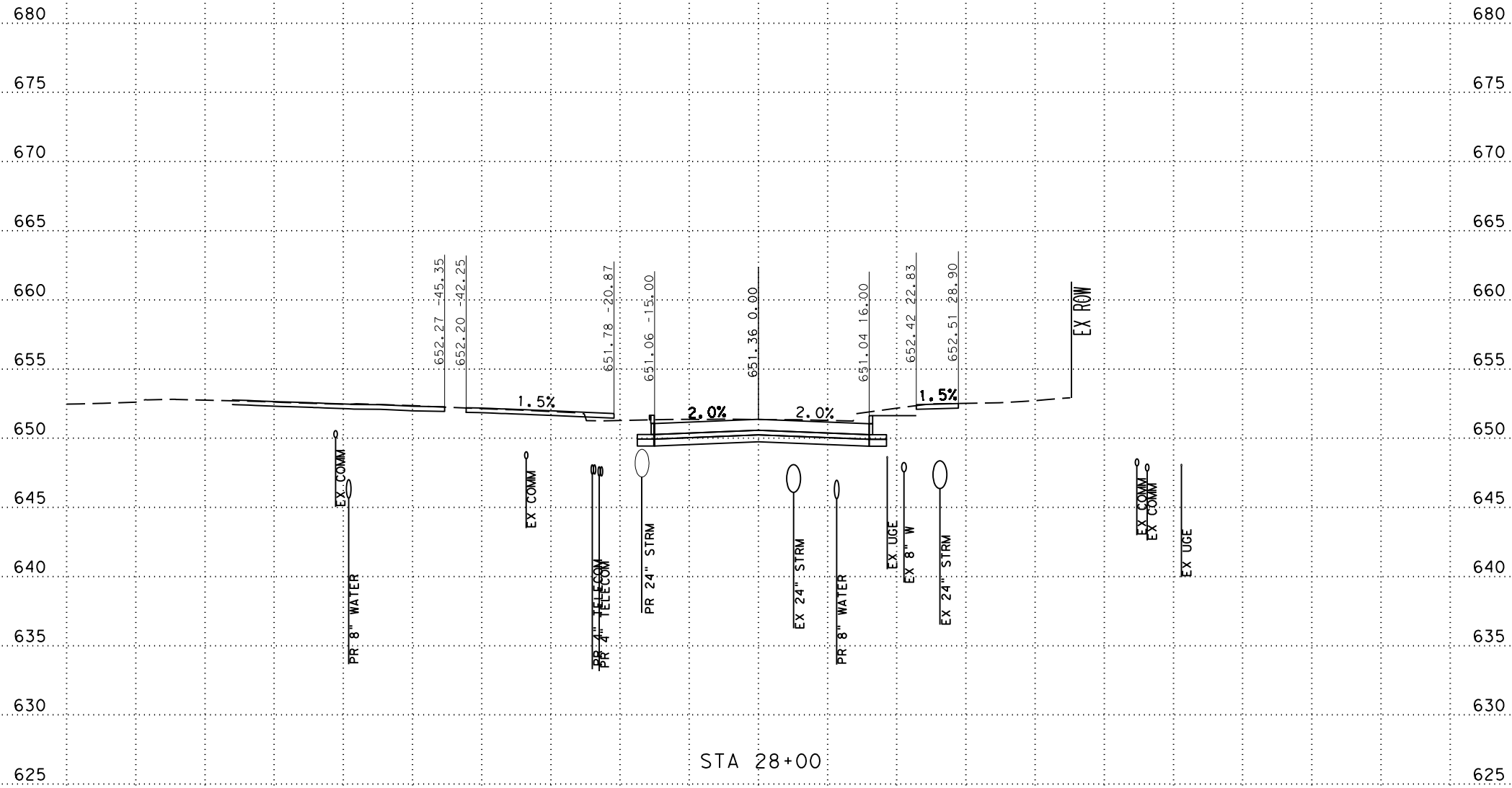
CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 27+50 TO STA 27+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 158 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900

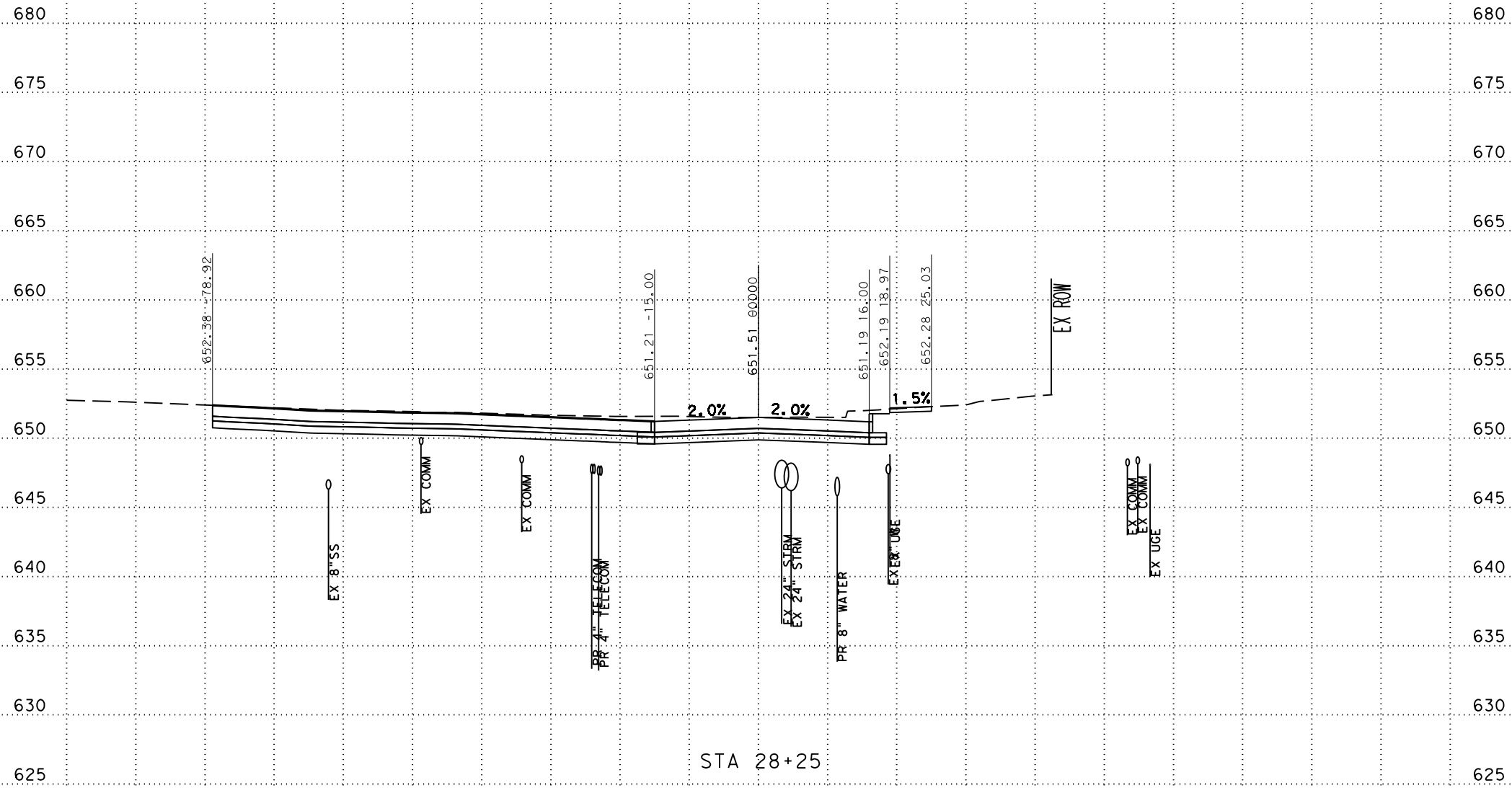


CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 28+00 TO STA 28+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 159 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

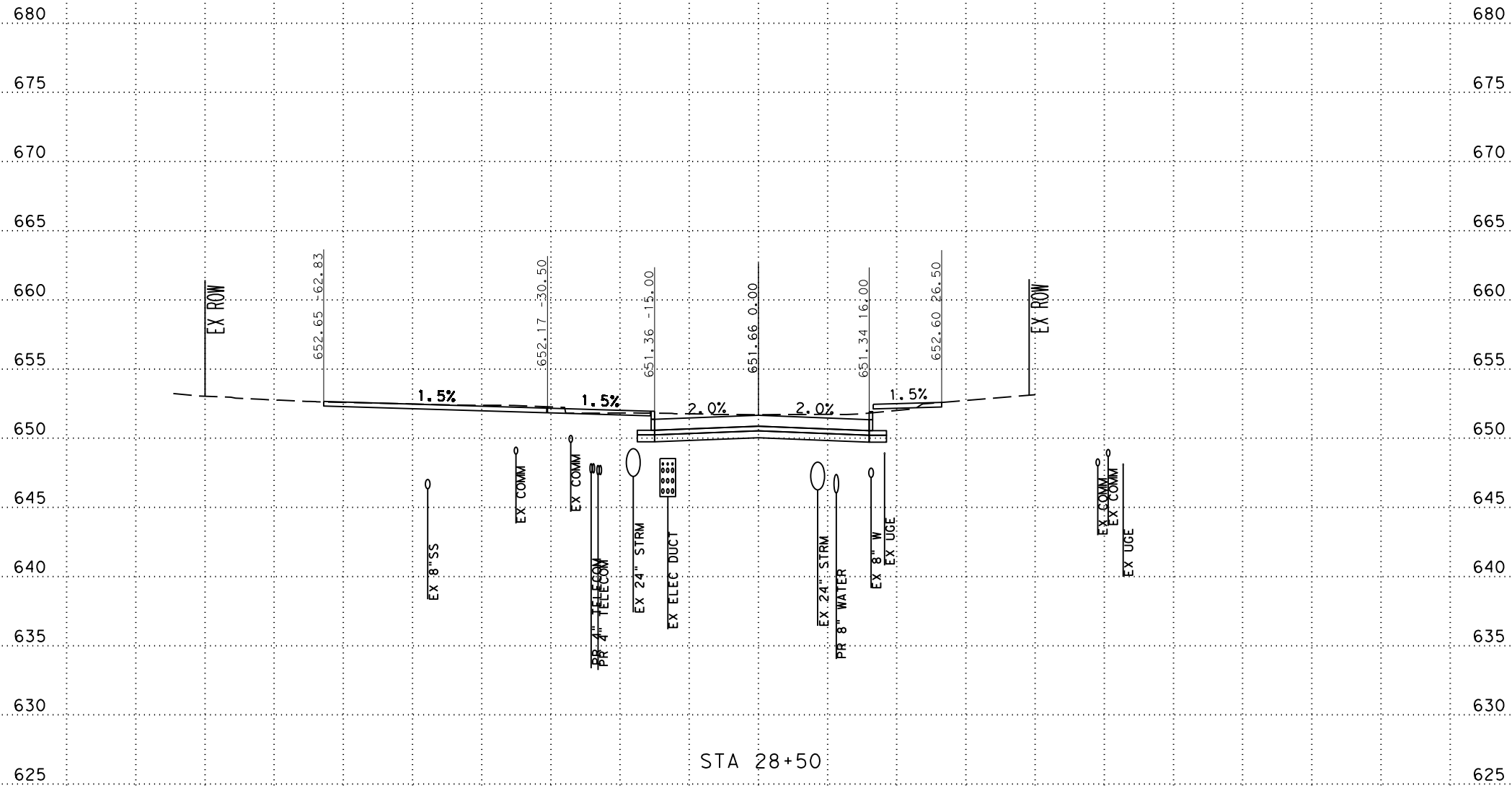


CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 28+25 TO STA 28+25  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 160 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



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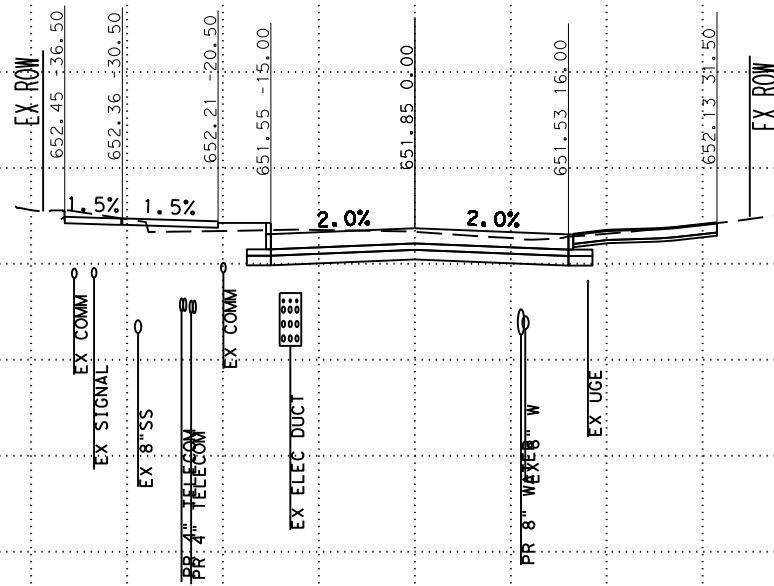
**DOLOROSA**  
STA 28+50 TO STA 28+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 161 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 28+83

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 28+83 TO STA 28+83  
CROSS SECTIONS

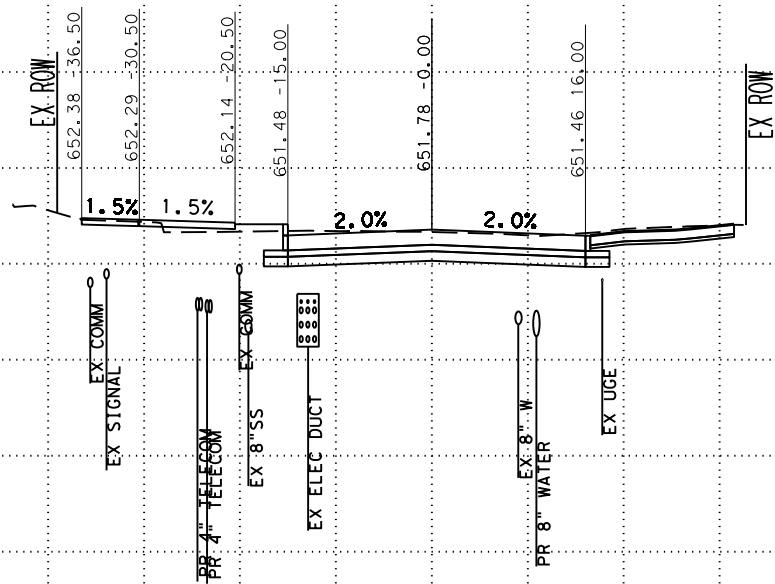
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 162 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 29+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

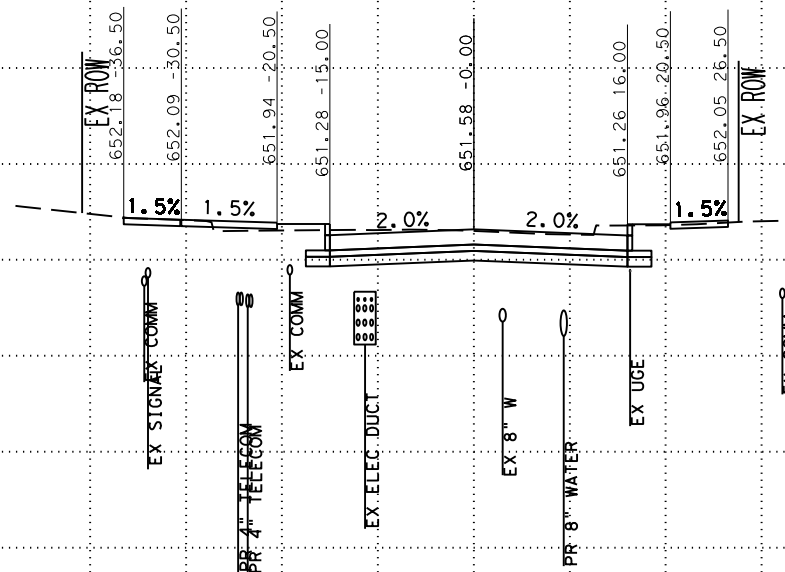
**DOLOROSA**  
STA 29+00 TO STA 29+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 163 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 29+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

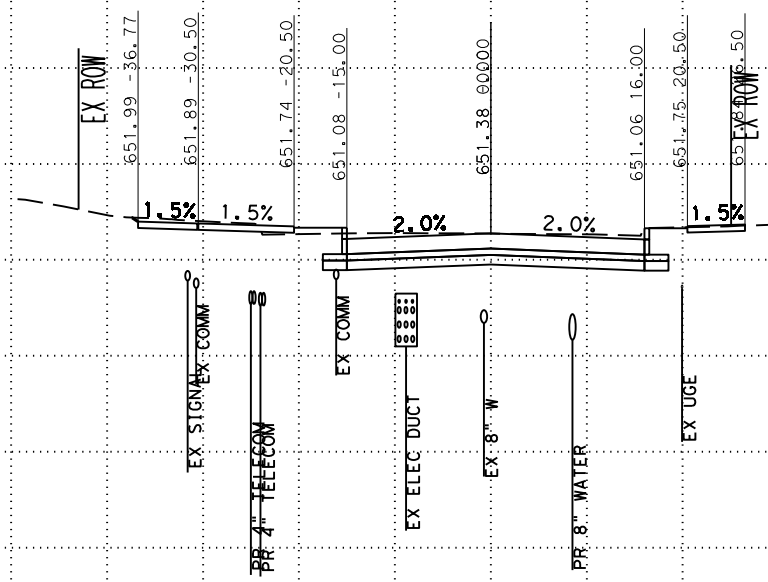
**DOLOROSA**  
STA 29+50 TO STA 29+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 164 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

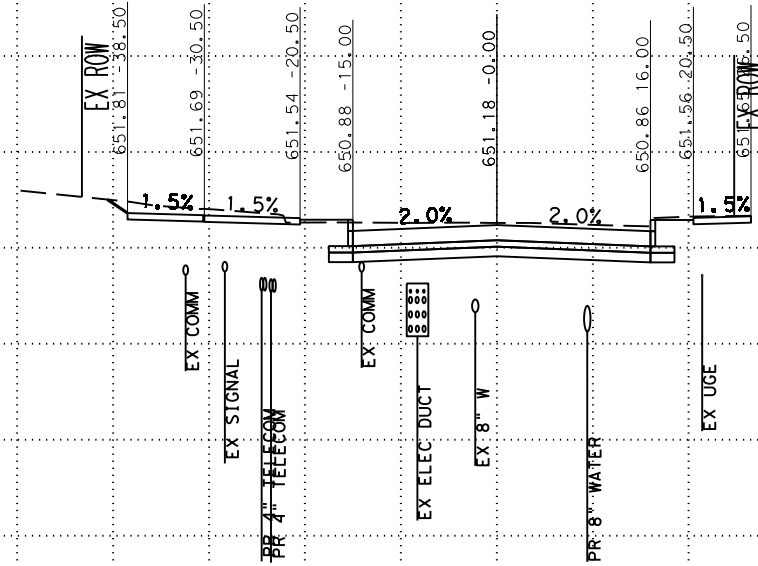
DOLOROSA  
STA 30+00 TO STA 30+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 165 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 30+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 30+50 TO STA 30+50  
CROSS SECTIONS

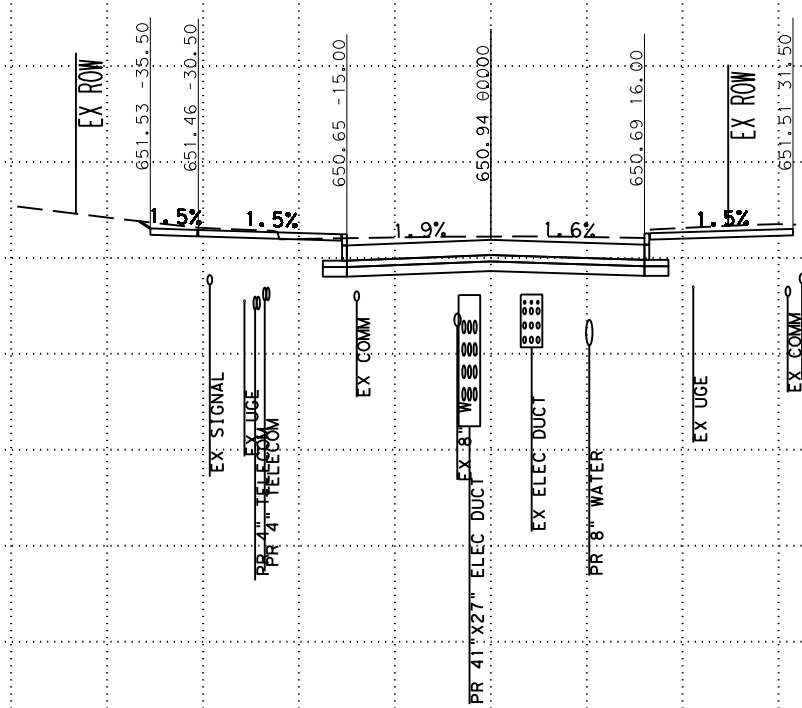
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 166 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 31+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

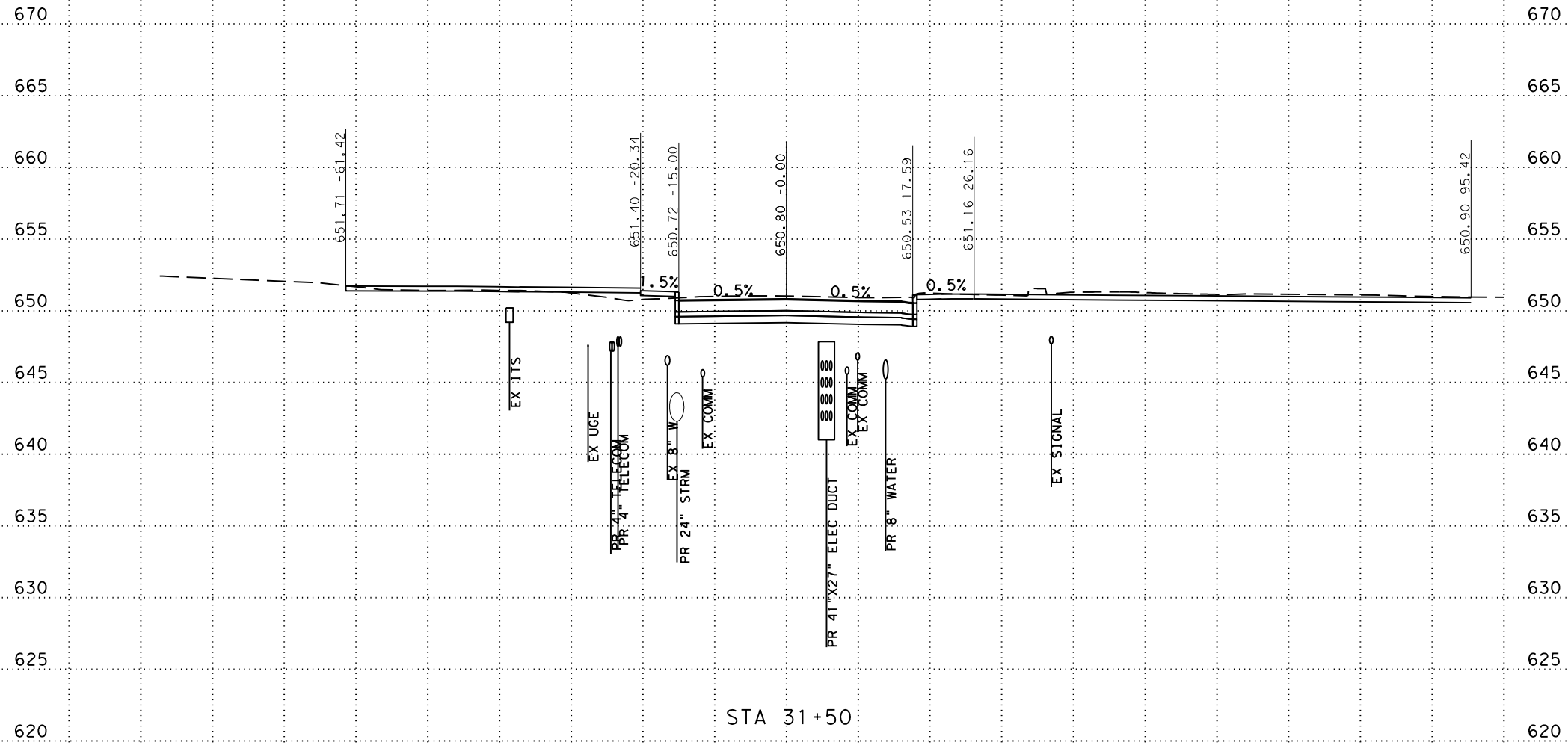


CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 31+00 TO STA 31+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 167 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

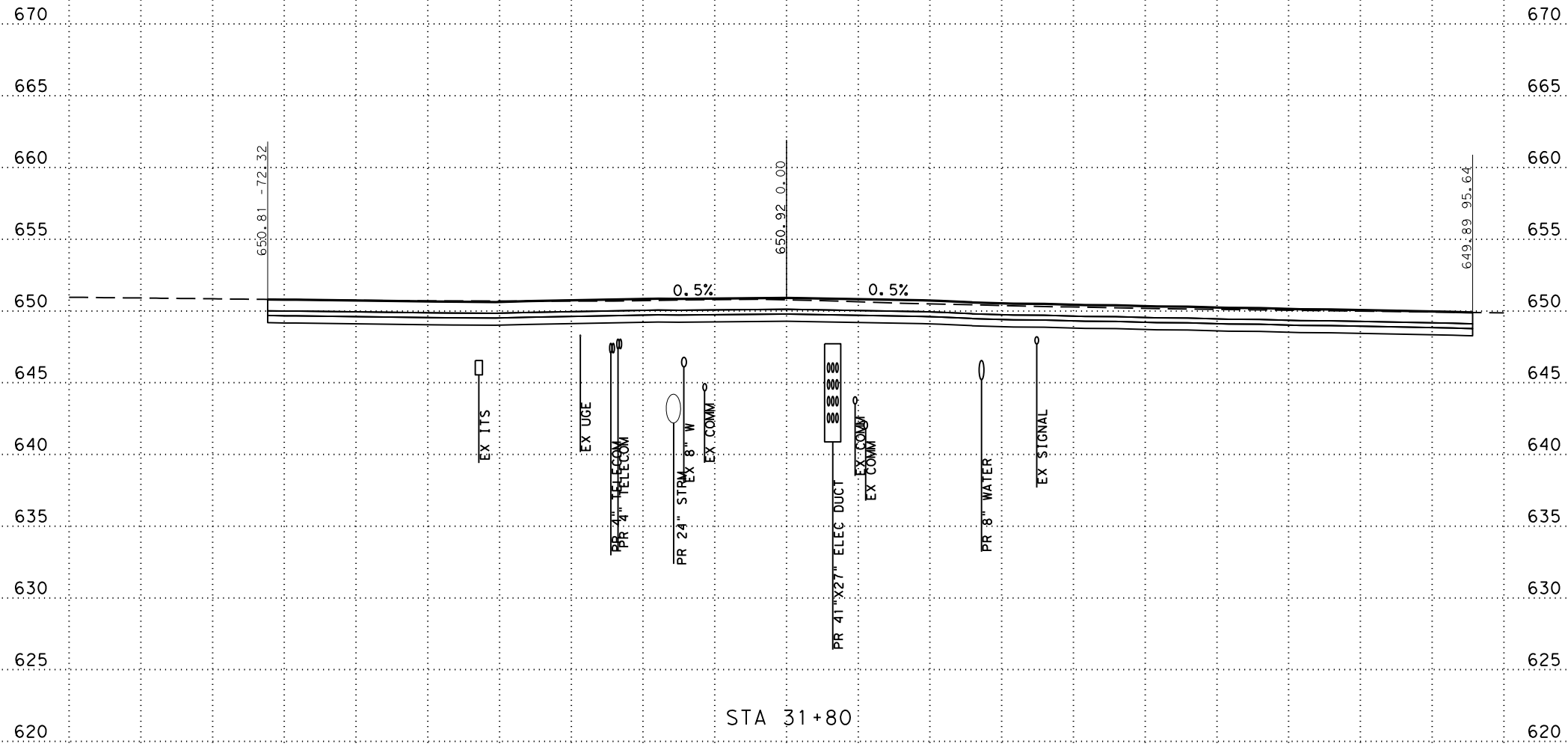


CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
**STA 31+50 TO STA 31+50**  
**CROSS SECTIONS**

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 168  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

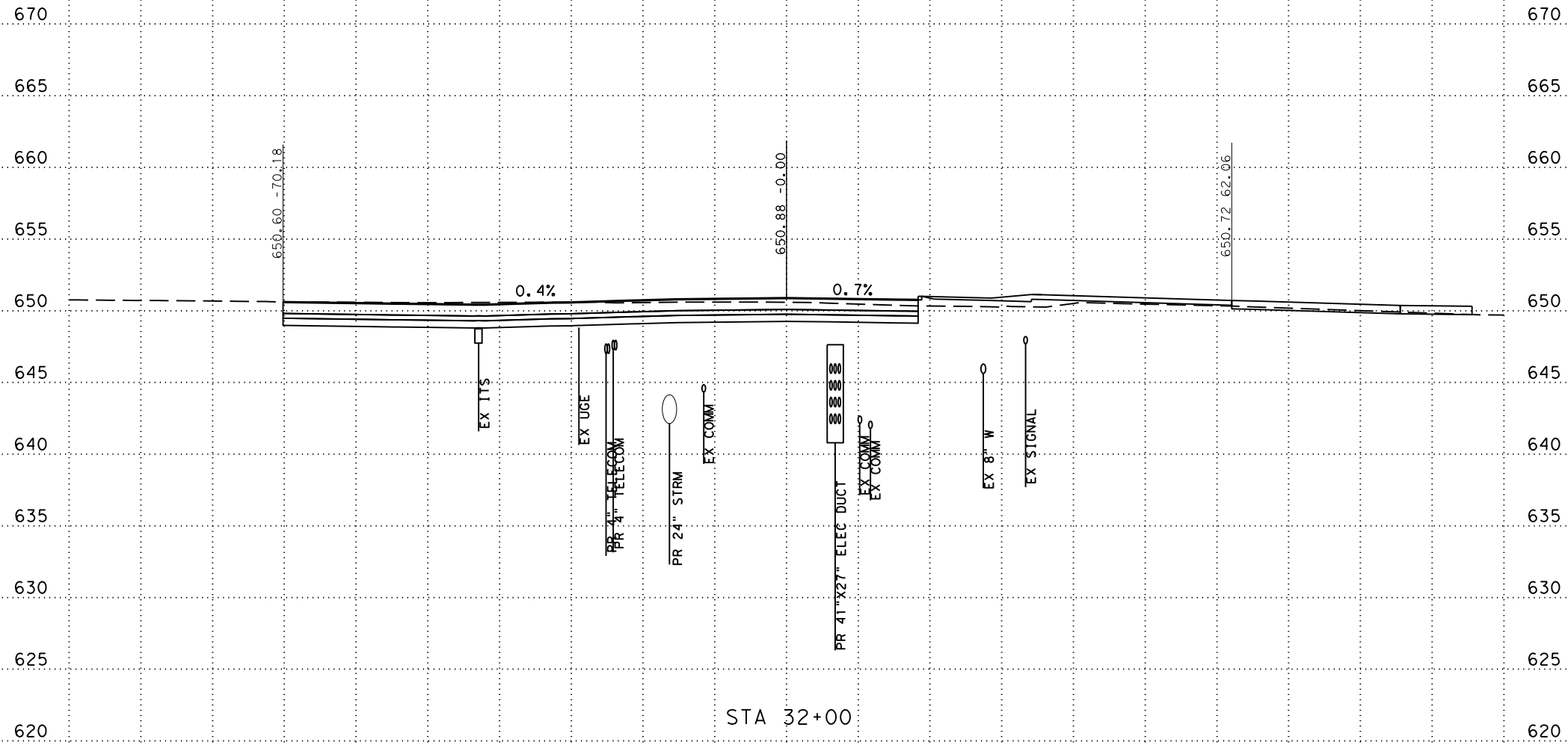


CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 31+80 TO STA 31+80  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 169 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 32+00 TO STA 32+00  
CROSS SECTIONS

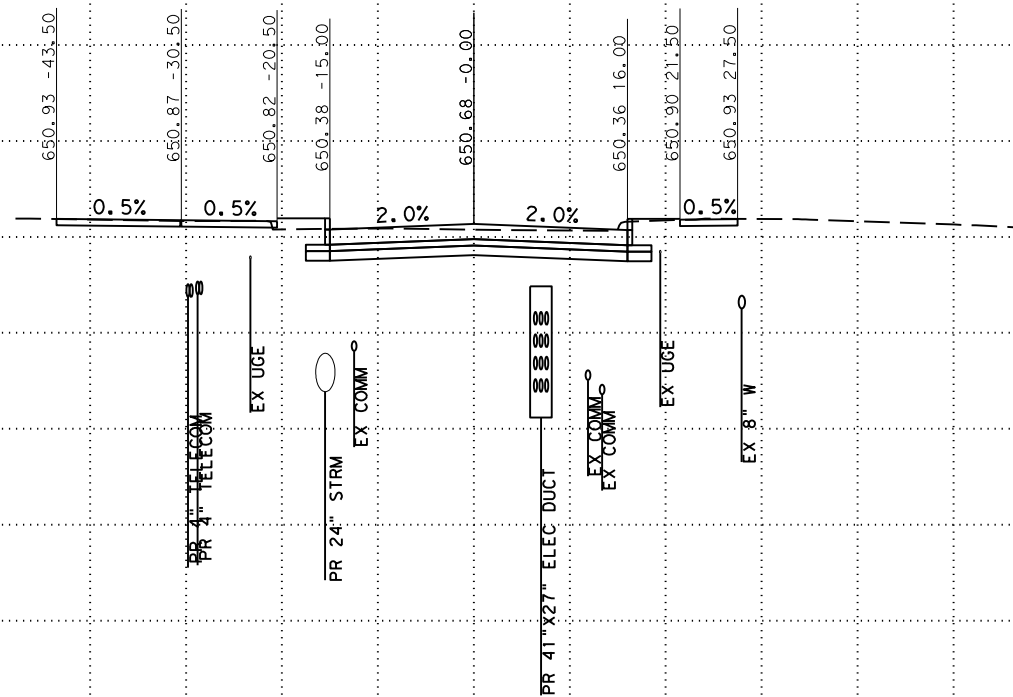
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 170 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

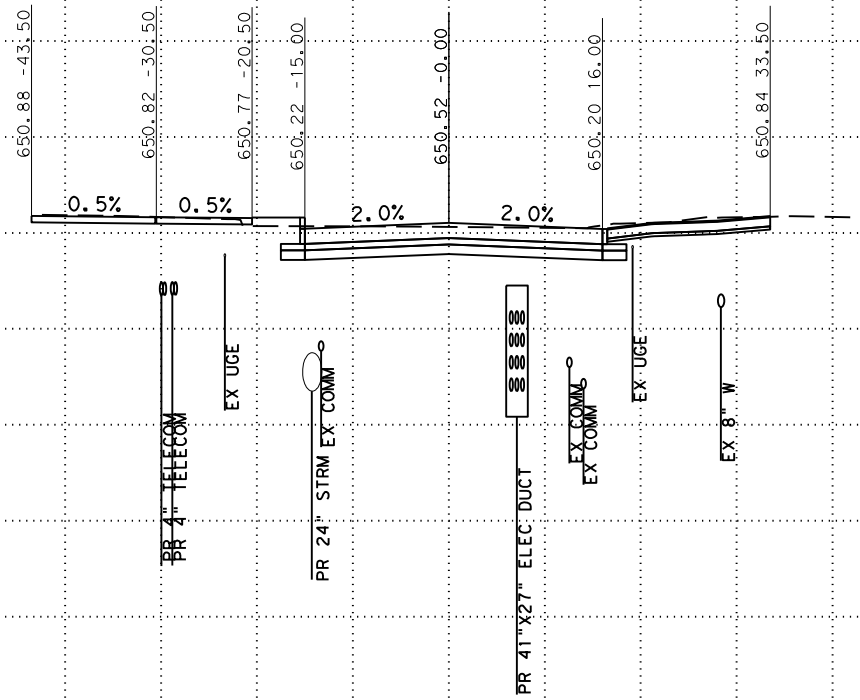
DOLOROSA  
STA 32+50 TO STA 32+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 171  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 32+90

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

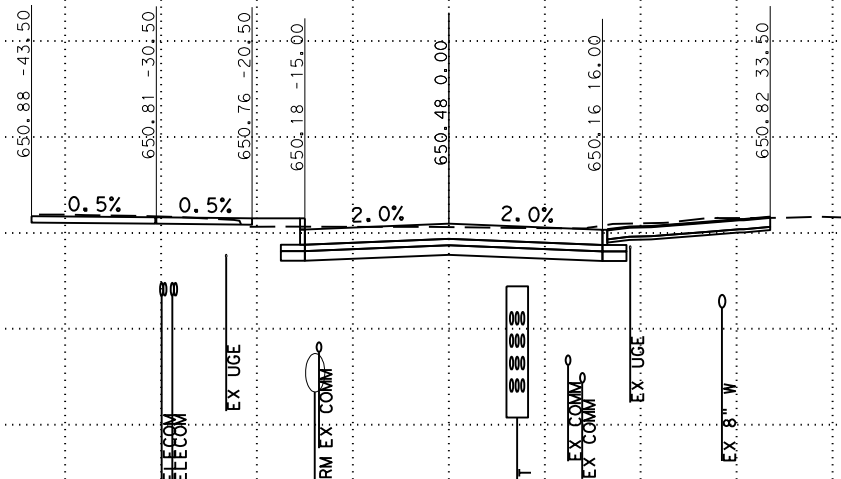
**DOLOROSA**  
STA 32+90 TO STA 32+90  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 172 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 33+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

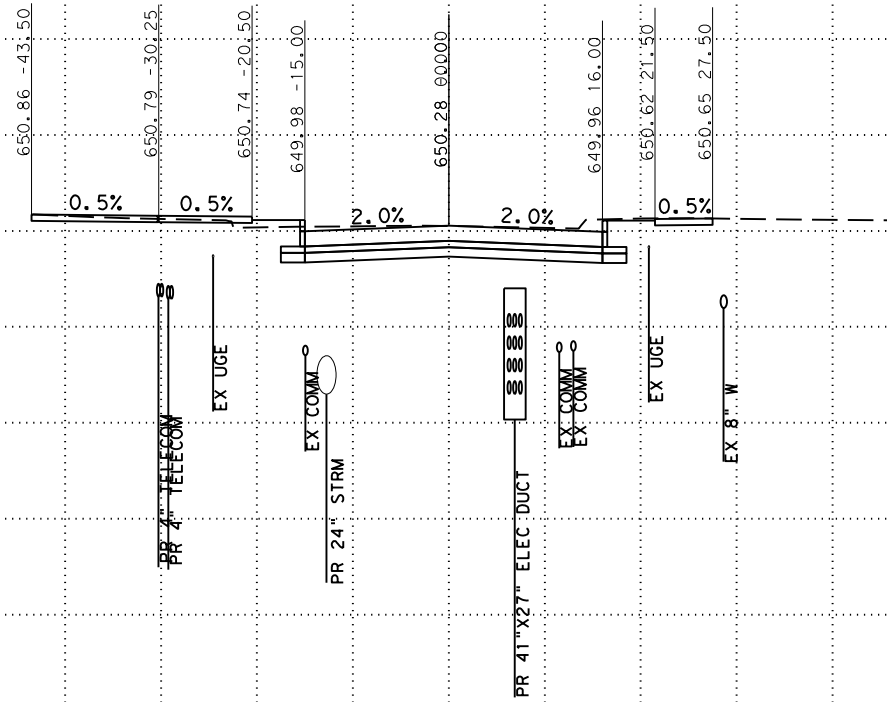
DOLOROSA  
STA 33+00 TO STA 33+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 173  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 33+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson Engineers**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 33+50 TO STA 33+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 174  |

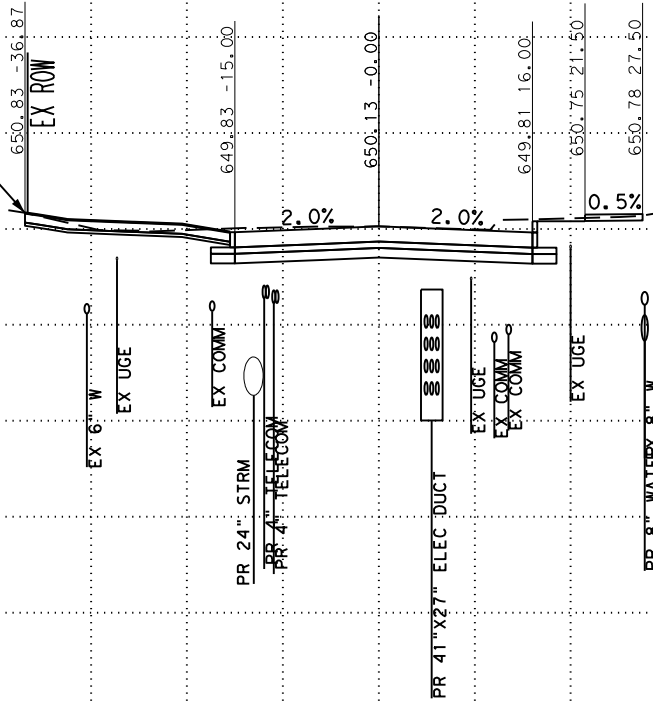


-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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POST-TENSIONED  
SLAB, CONTRACTOR  
TO AVOID DAMAGE



STA 33+87

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

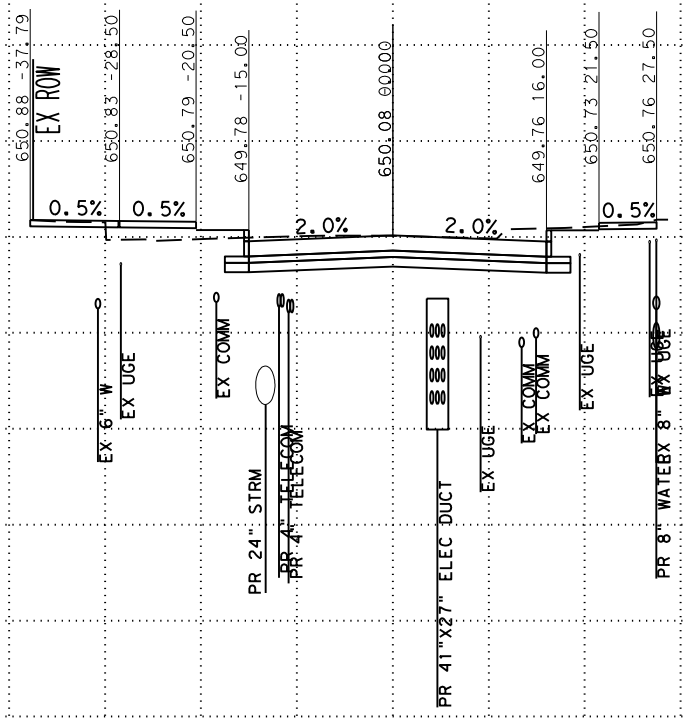
DOLOROSA  
STA 33+87 TO STA 33+87  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 175 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 34+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

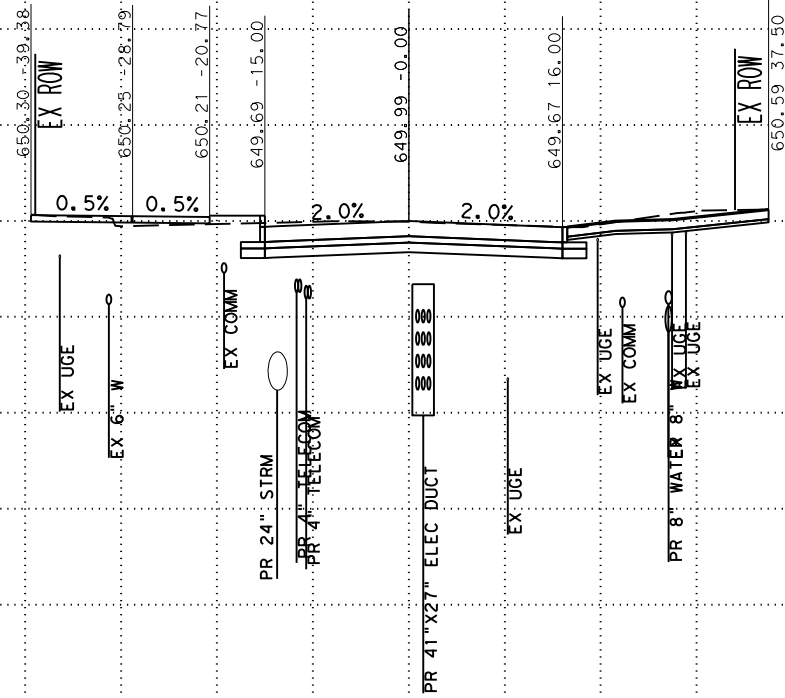
**DOLOROSA**  
STA 34+00 TO STA 34+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 176 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 34+21

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

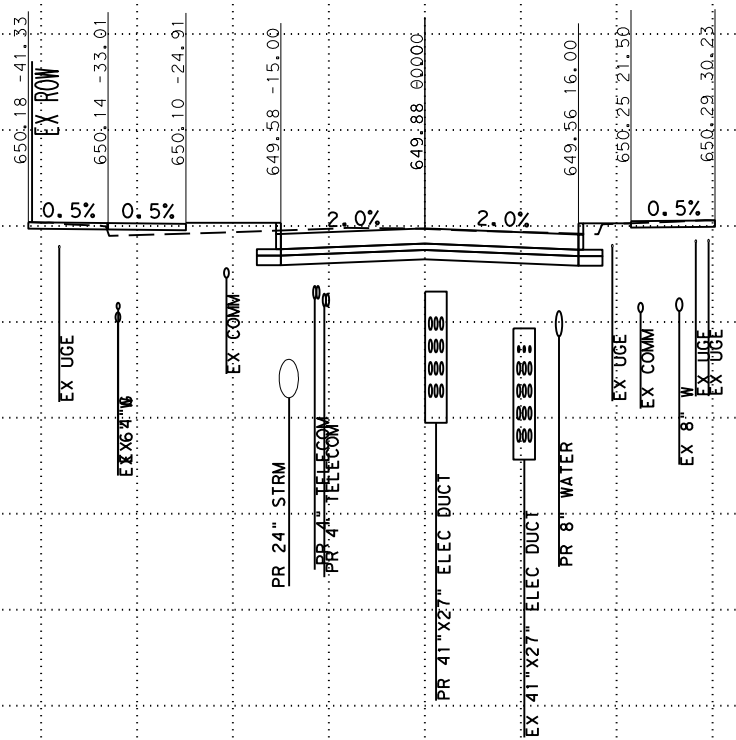
**DOLOROSA**  
STA 34+21 TO STA 34+21  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 177 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 34+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 34+50 TO STA 34+50  
CROSS SECTIONS

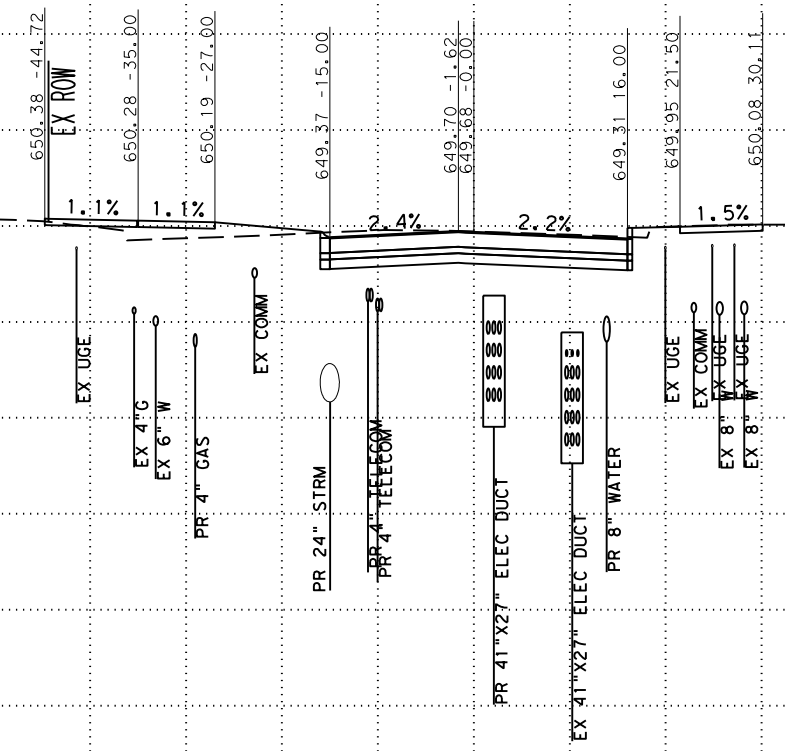
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 178 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 35+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

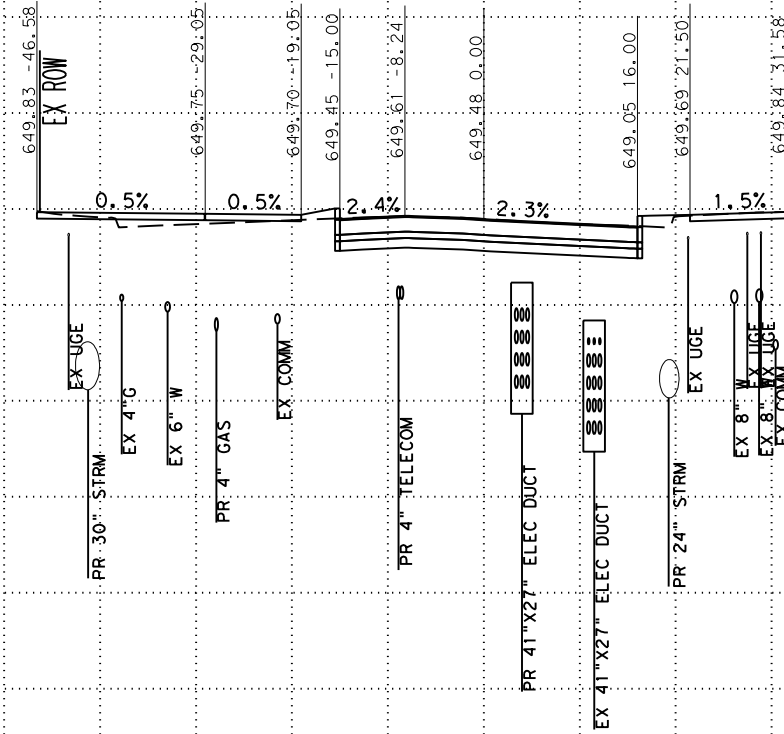
DOLOROSA  
STA 35+00 TO STA 35+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 179 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 35+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 35+50 TO STA 35+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 180 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 36+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 36+00 TO STA 36+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 181 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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EX ROW

EX UGE

EX 24" W

EX 4" C  
PR 4" TELECOM  
EX SIGNAL

PR 41"x27" ELEC DUCT

EX 8" W  
EX 8" W

EX UGE

EX COMM

STA 36+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 36+50 TO STA 36+50  
CROSS SECTIONS

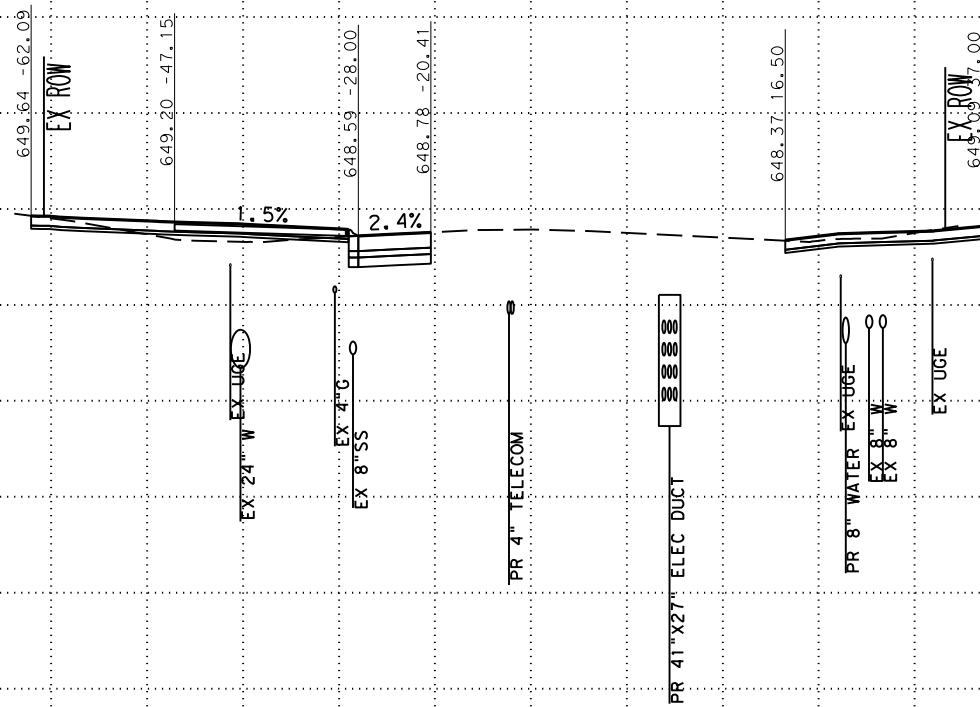
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 182 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 37+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

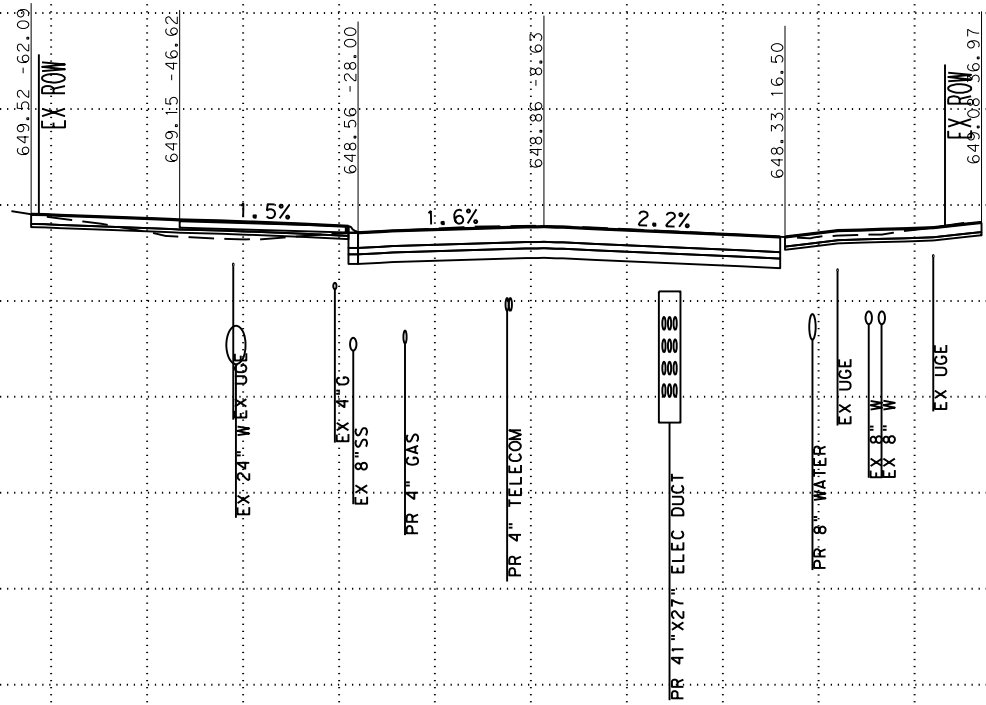
**DOLOROSA**  
**STA 37+00 TO STA 37+00**  
**CROSS SECTIONS**

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 183 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 37+07

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

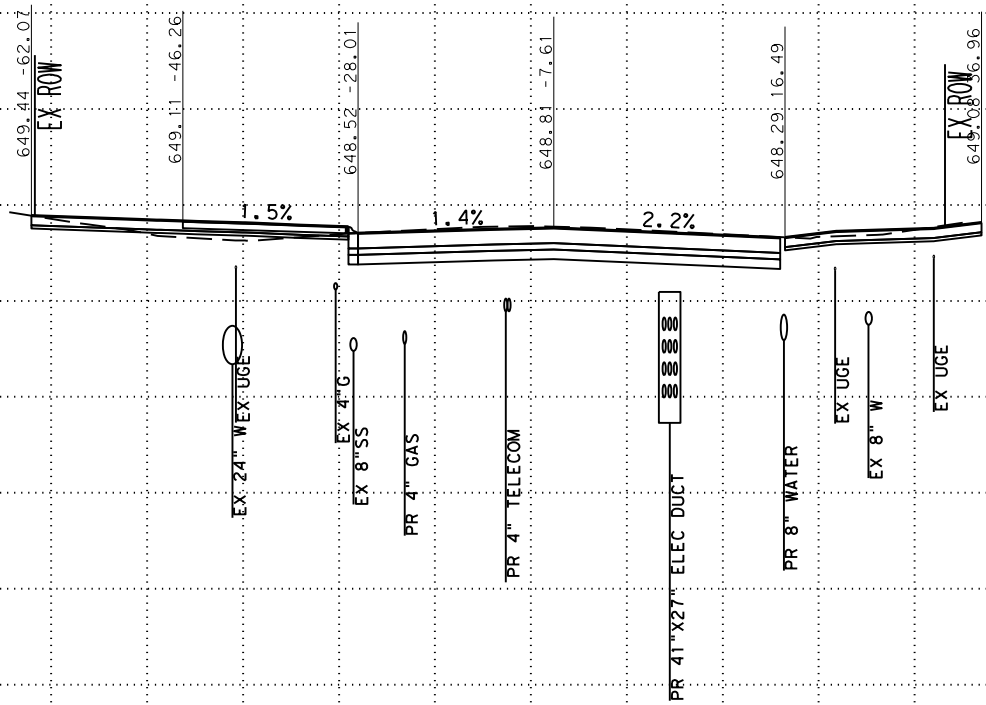
**DOLOROSA**  
STA 37+07 TO STA 37+07  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 184 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 37+13

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

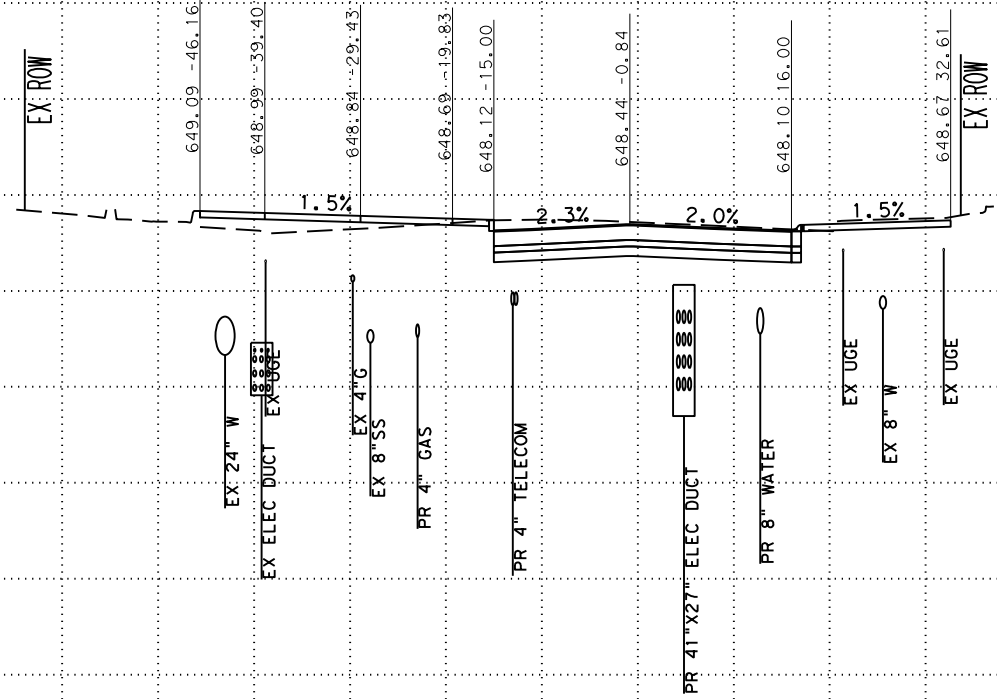
DOLOROSA  
STA 37+13 TO STA 37+13  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 185 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 37+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

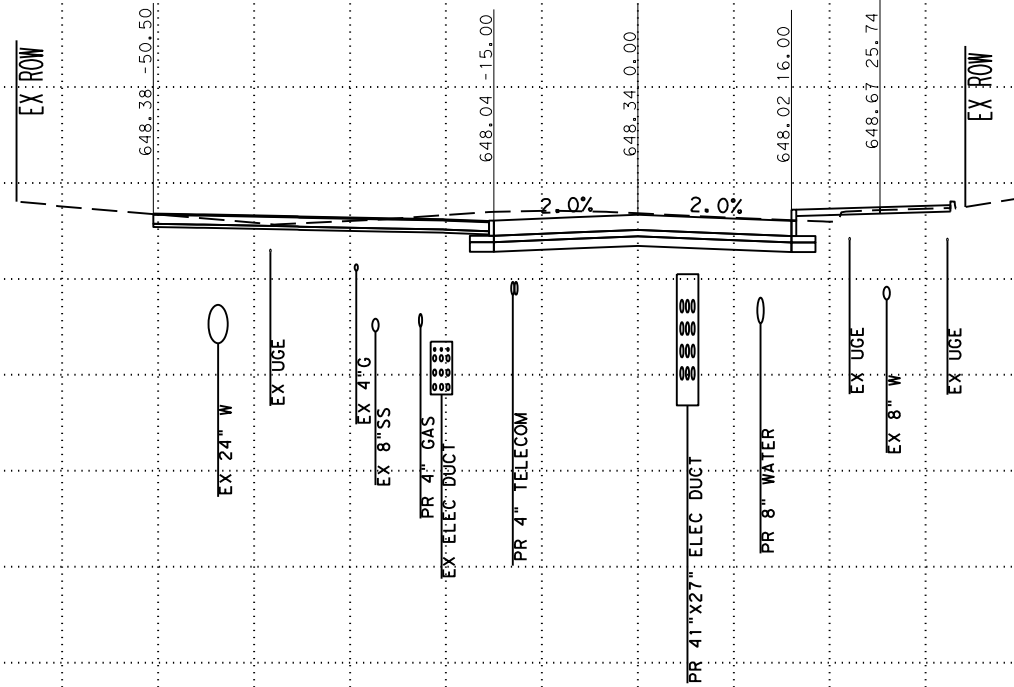
DOLOROSA  
STA 37+50 TO STA 37+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 186 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 37+68

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 37+68 TO STA 37+68  
CROSS SECTIONS

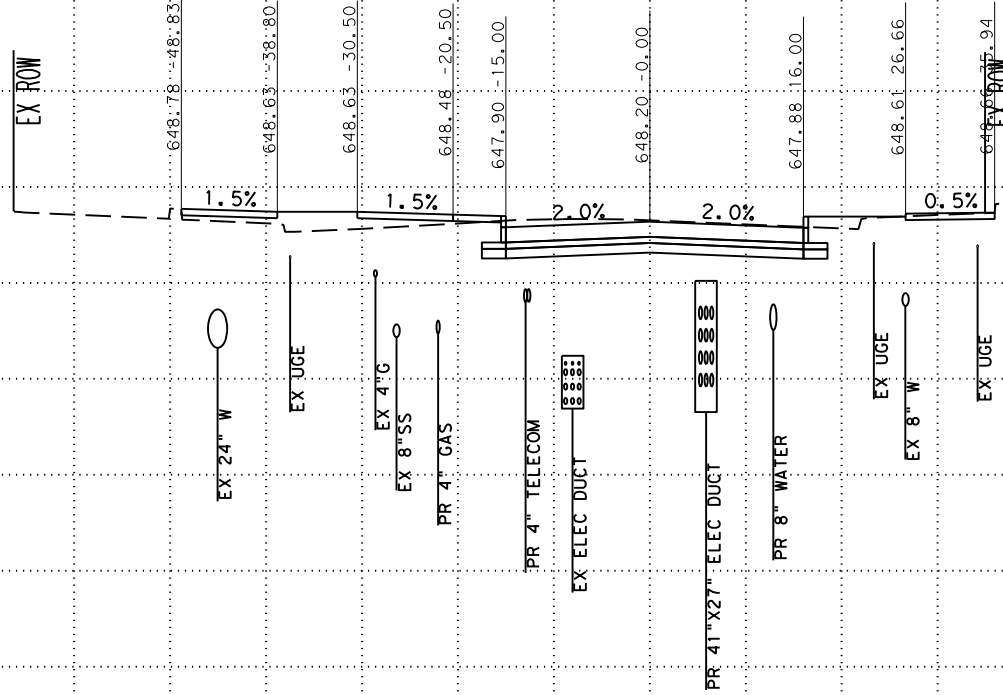
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 187 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 38+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

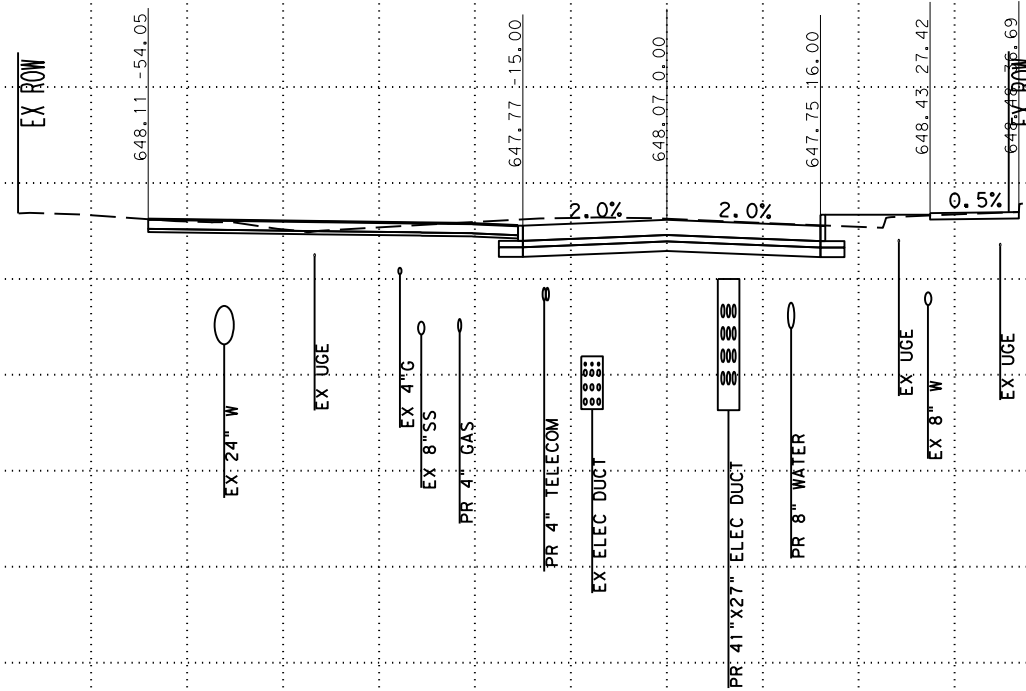
**DOLOROSA**  
STA 38+00 TO STA 38+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 188 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 38+27

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

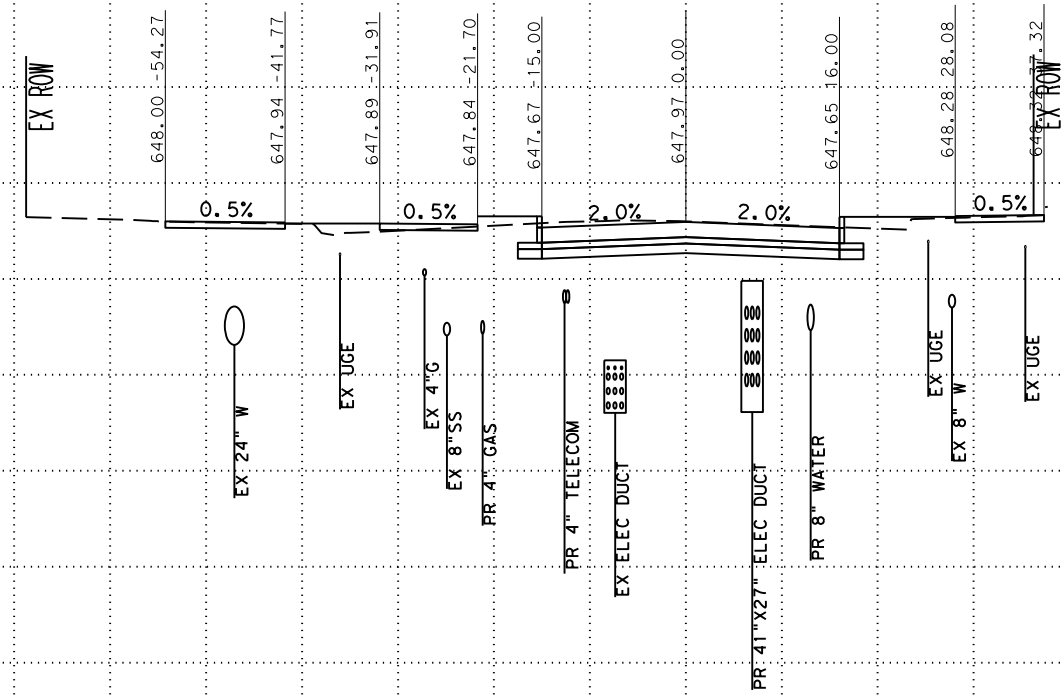
**DOLOROSA**  
STA 38+27 TO STA 38+27  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 189  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

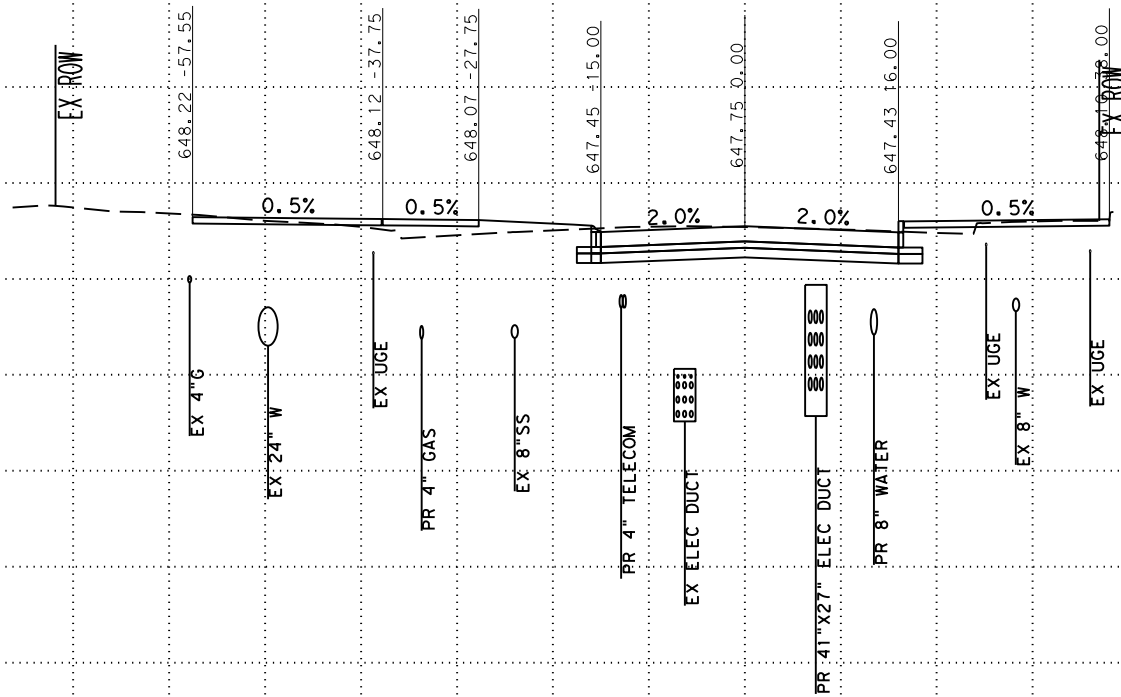
DOLOROSA  
STA 38+50 TO STA 38+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 190 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 39+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson Engineers**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

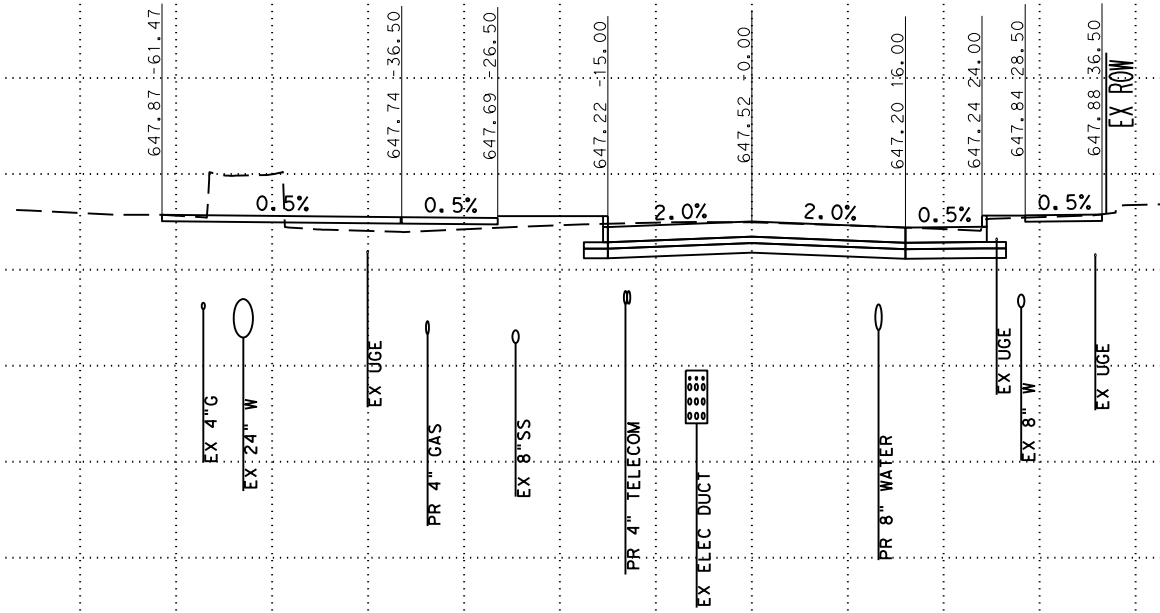
**DOLOROSA**  
STA 39+00 TO STA 39+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 191  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 39+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 39+50 TO STA 39+50  
CROSS SECTIONS

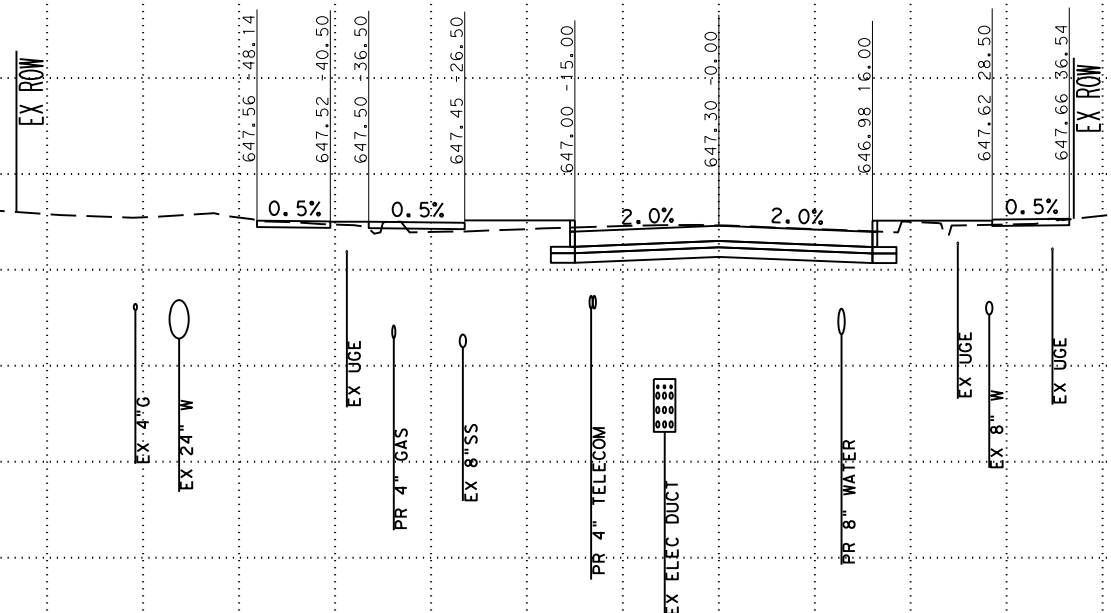
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 192 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

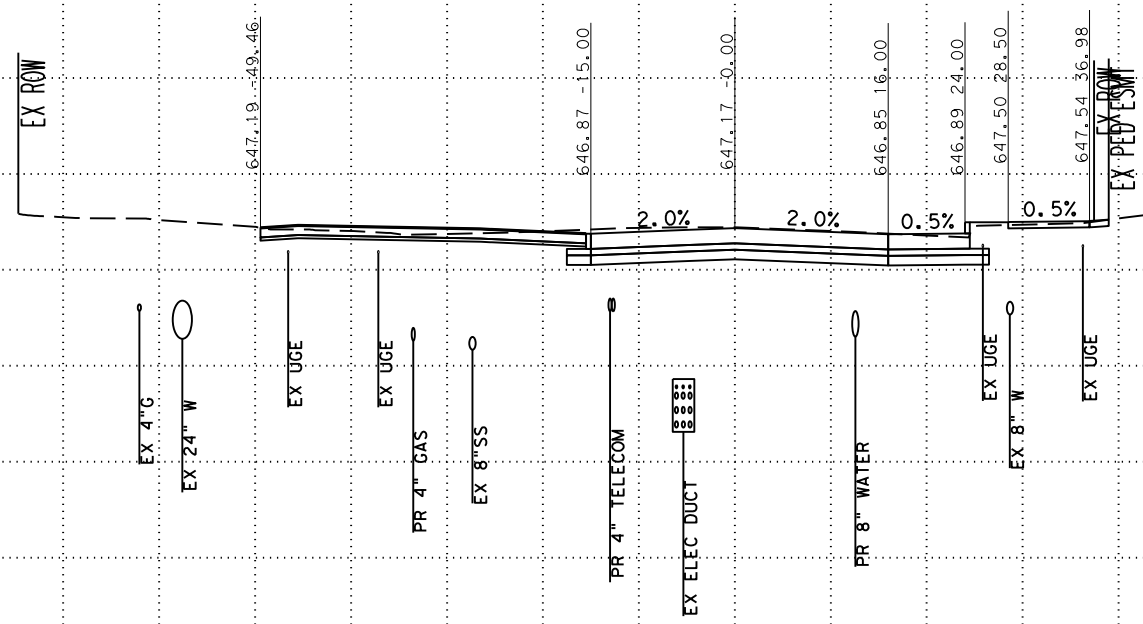
**DOLOROSA**  
STA 40+00 TO STA 40+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 193 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 40+27

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

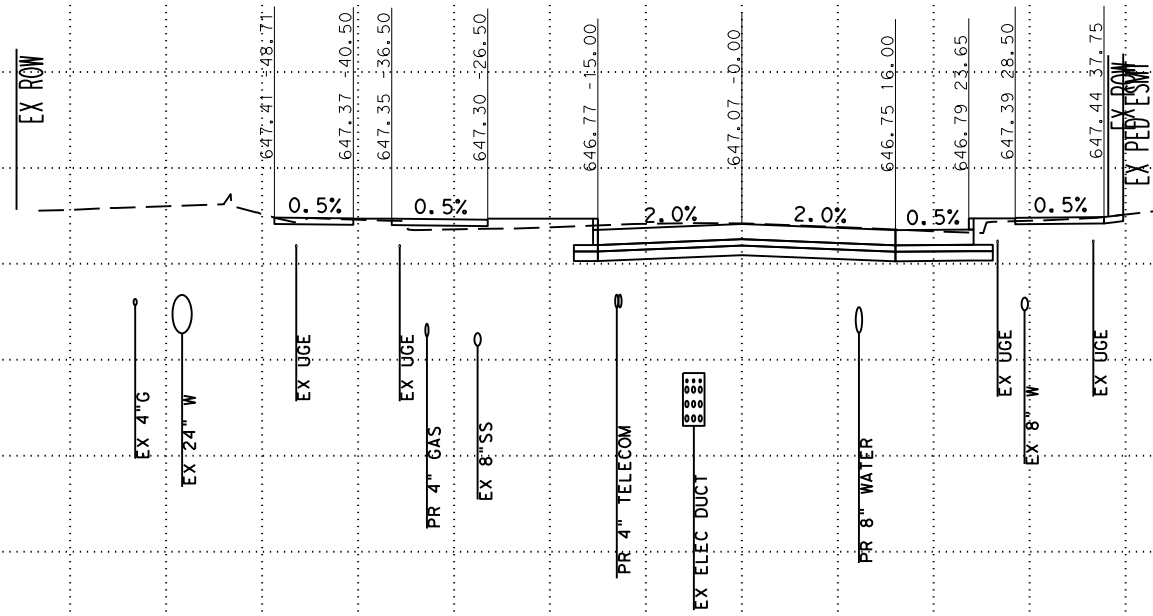
DOLOROSA  
STA 40+27 TO STA 40+27  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 194 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 40+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

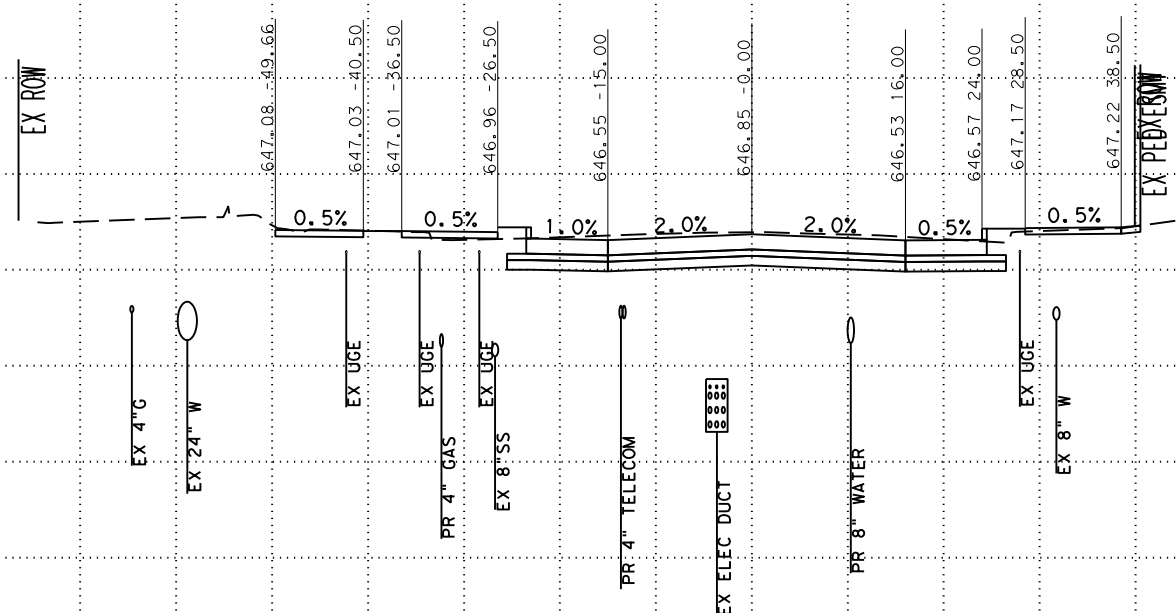
**DOLOROSA**  
STA 40+50 TO STA 40+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 195 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

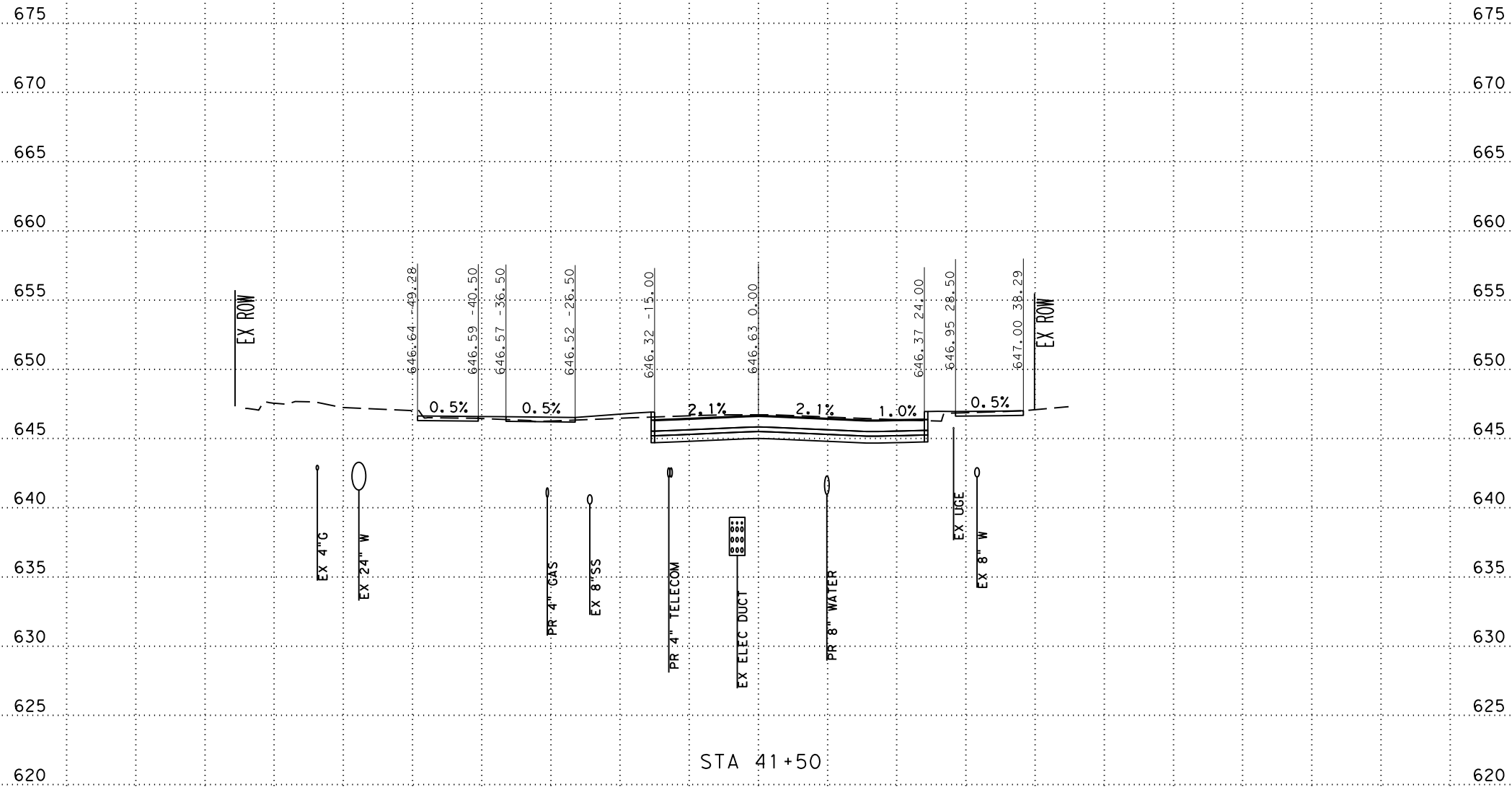


CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 41+00 TO STA 41+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 196 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 41+50 TO STA 41+50  
CROSS SECTIONS

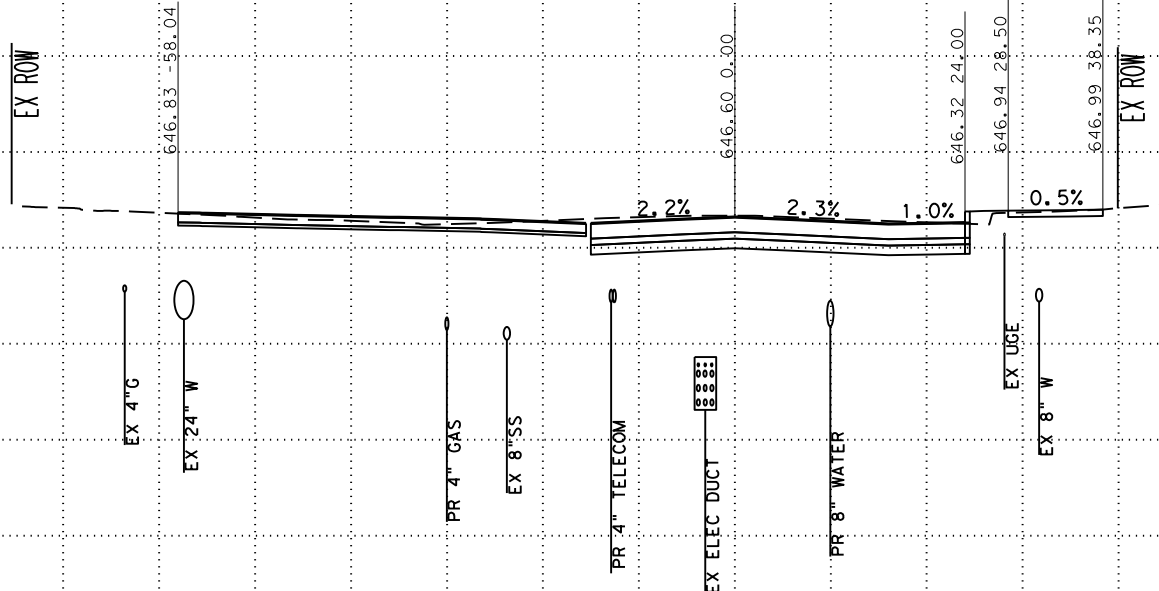
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 197 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 41+60

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

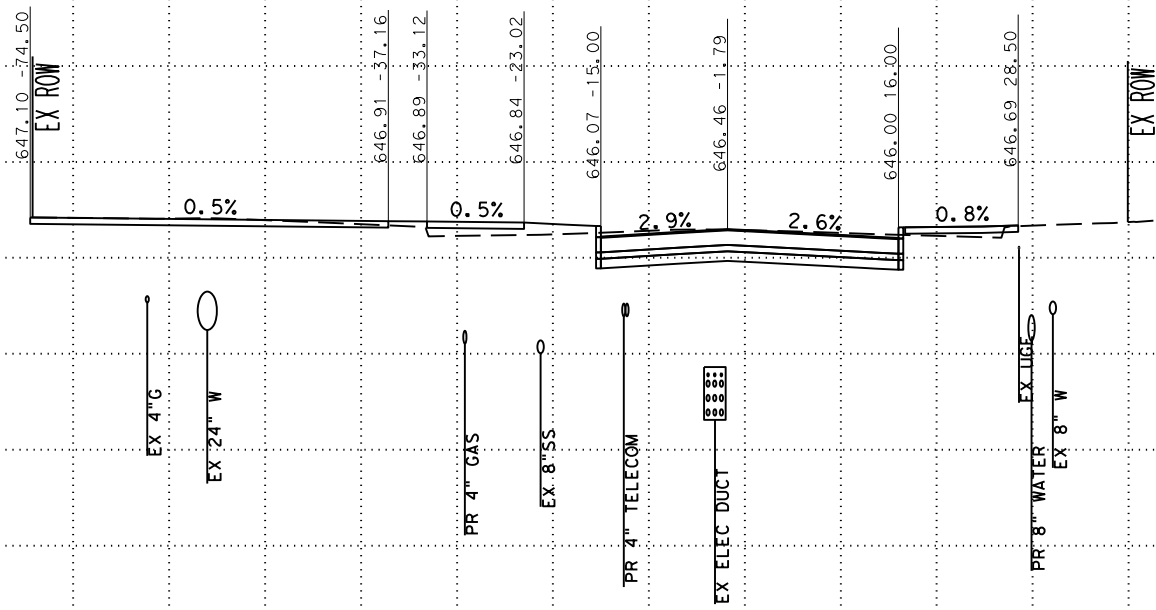
DOLOROSA  
STA 41+60 TO STA 41+60  
CROSS SECTIONS

|                |              |                 |
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| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 198 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 42+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 42+00 TO STA 42+00  
CROSS SECTIONS

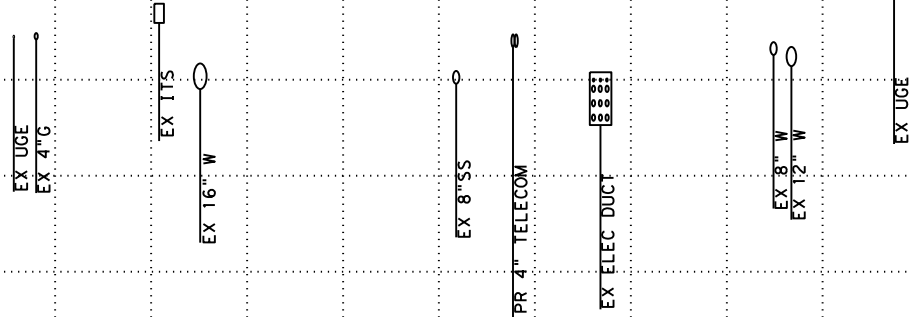
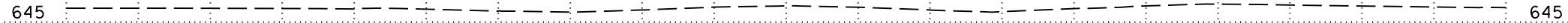
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 199 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



STA 42+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 42+50 TO STA 42+50  
CROSS SECTIONS

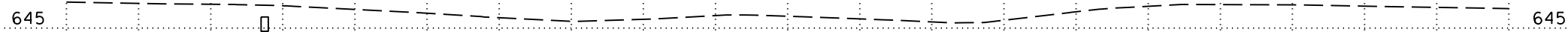
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 200 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



EX TTS

EX 4" C

EX 24" UOE

PR 4" TELECOM  
EX 8" SS

EX 12" W

EX 8" W  
EX 12" W

EX UOE

STA 43+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 43+00 TO STA 43+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 201 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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EX ROW

EX ROW

EX 4" G

EX 24" W

EX UGE

PR 4" TELECOM

EX 8" SS

EX UGE

EX 8" W

EX UGE

EX UGE

PR 4" TELECOM

STA 43+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 43+50 TO STA 43+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 202  |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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EX ROW

EX ROW

EX 4" G

EX 24" W

EX UGE

PR 4" TELECOM

EX 8" SS

EX UGE

EX 8" W

EX UGE

EX UGE

PR 4" TELECOM

STA 43+52

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

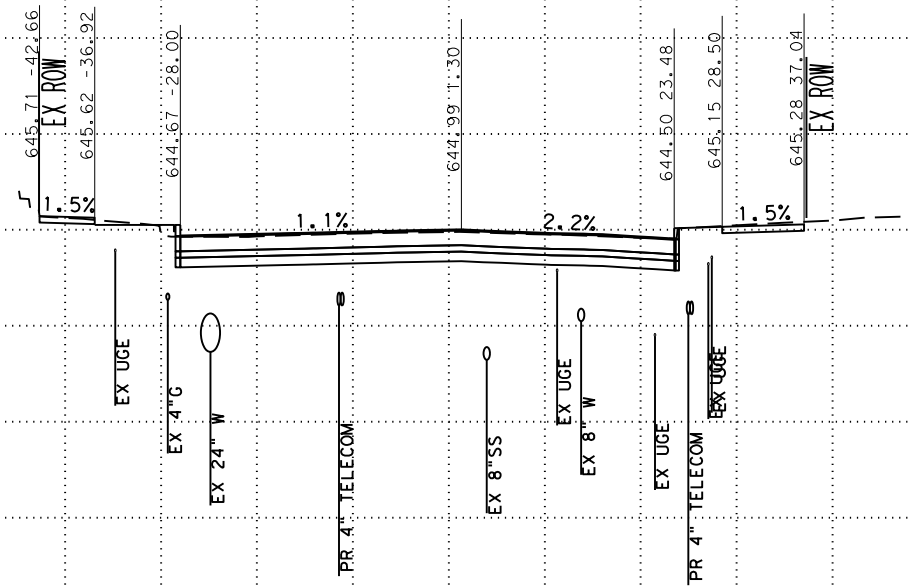
**DOLOROSA**  
STA 43+52 TO STA 43+52  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 203 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 43+73

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

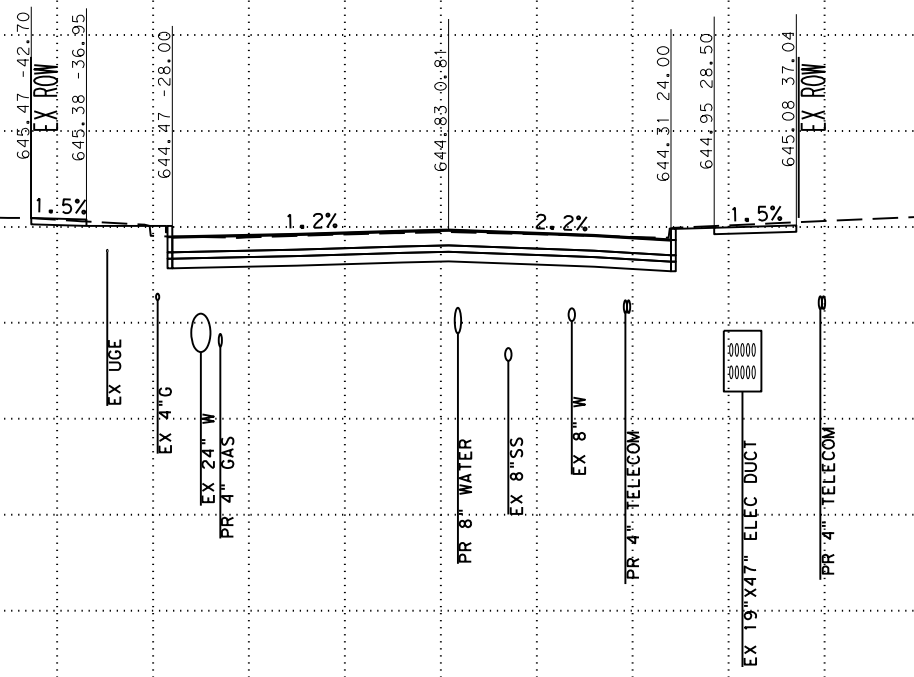
**DOLOROSA**  
**STA 43+73 TO STA 43+73**  
**CROSS SECTIONS**

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 204 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 43+89

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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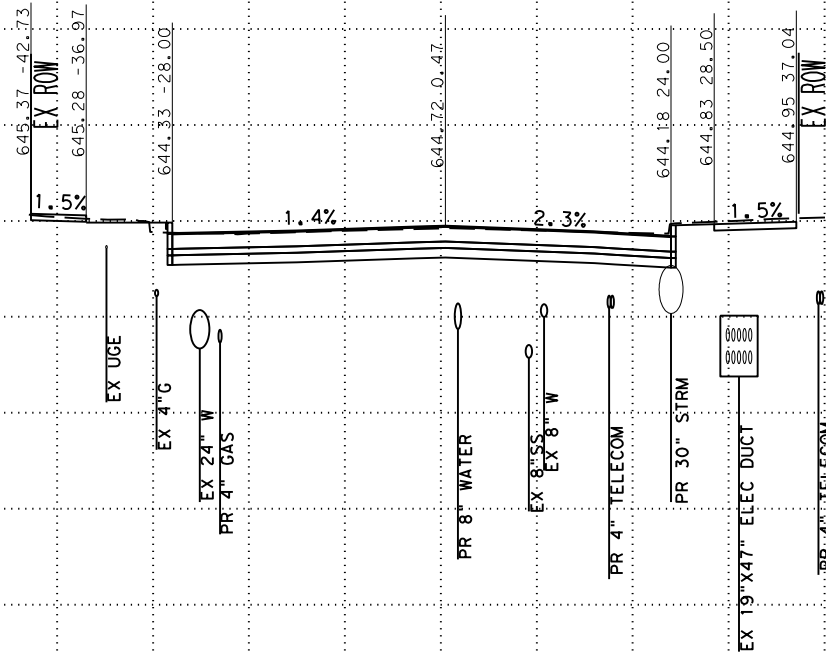
DOLOROSA  
STA 43+89 TO STA 43+89  
CROSS SECTIONS

|                |              |                 |
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| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 205 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 44+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

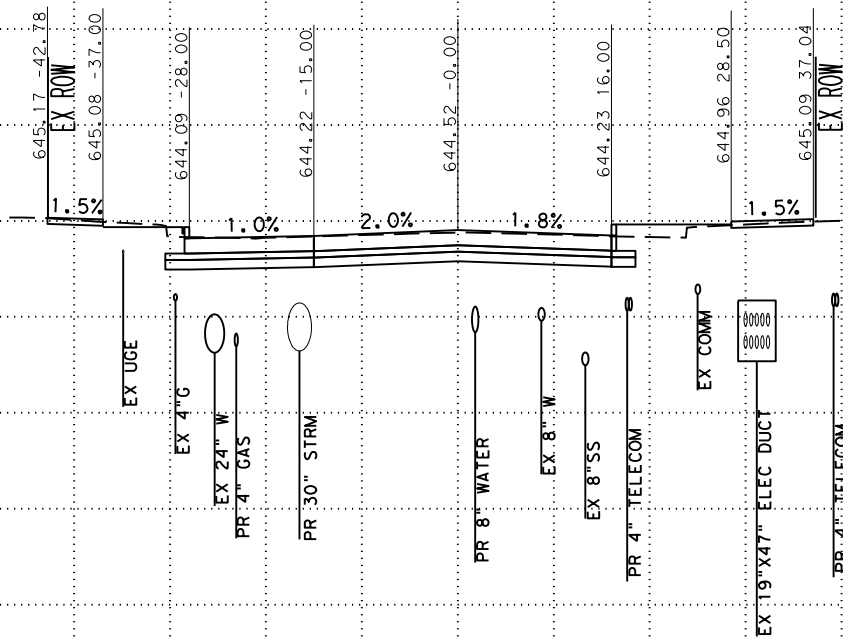
**DOLOROSA**  
STA 44+00 TO STA 44+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 206 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 44+22

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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DOLOROSA  
STA 44+22 TO STA 44+22  
CROSS SECTIONS

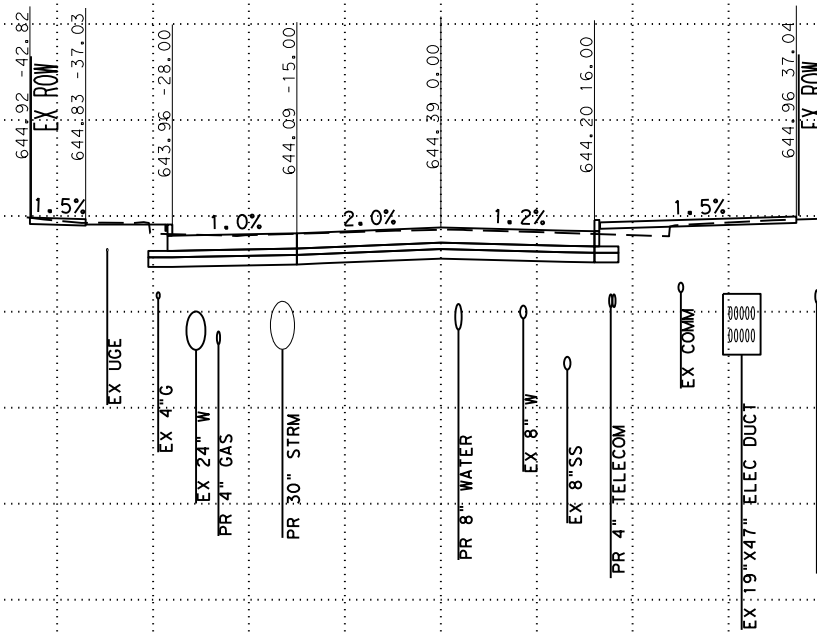
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 207  |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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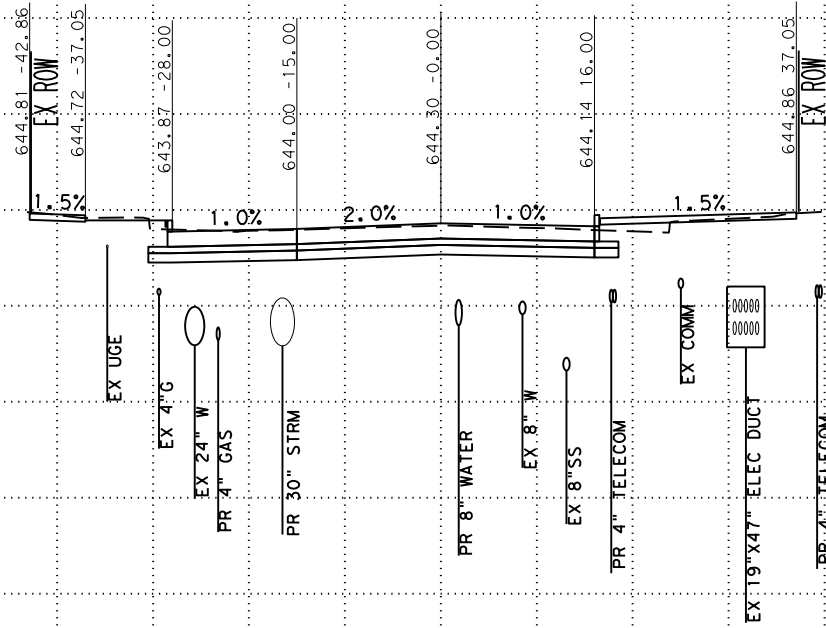
DOLOROSA  
STA 44+38 TO STA 44+38  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 208 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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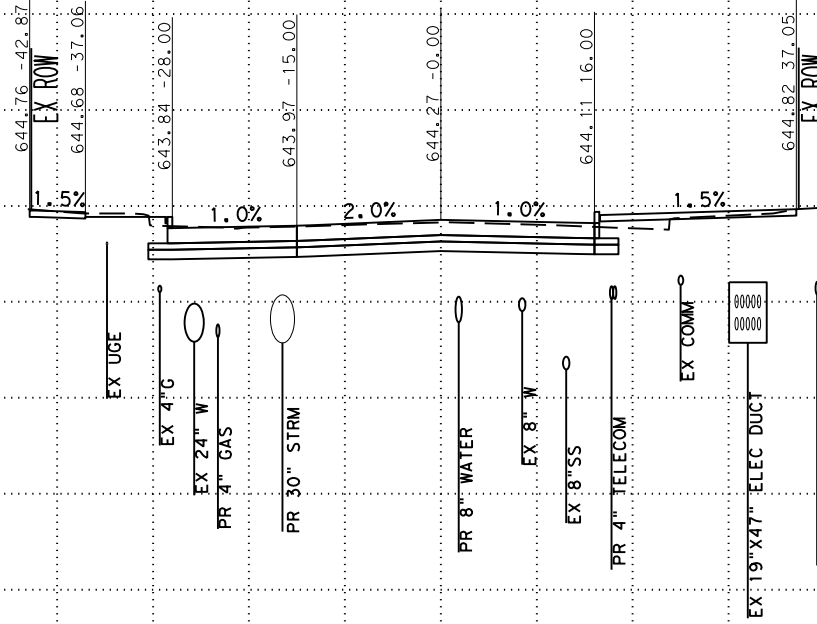
DOLOROSA  
STA 44+50 TO STA 44+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 209 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 44+55

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

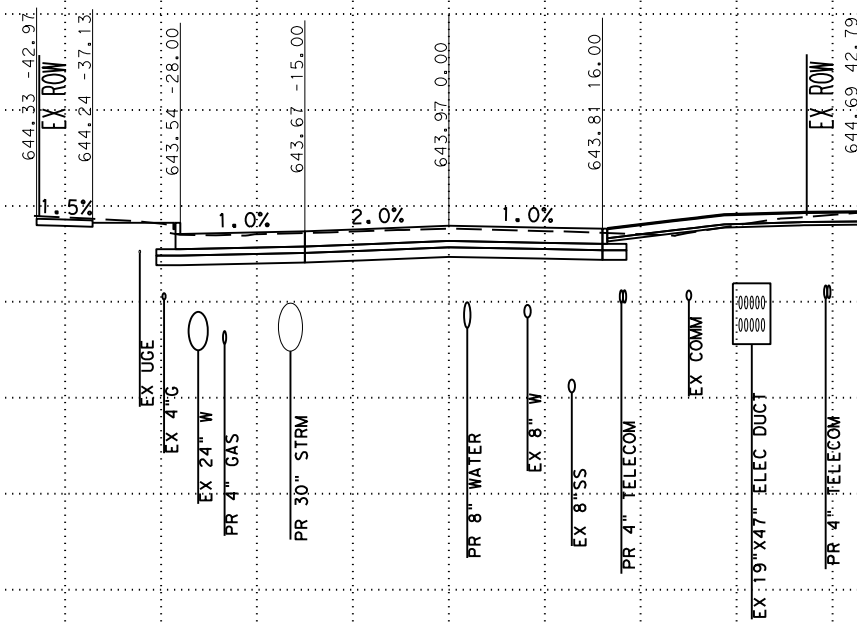
DOLOROSA  
STA 44+55 TO STA 44+55  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 210 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 44+94

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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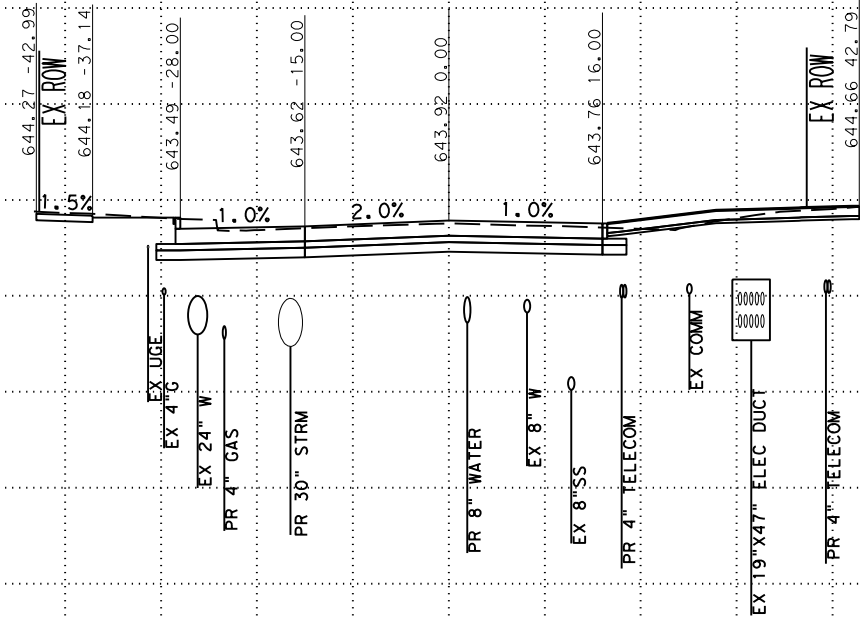
DOLOROSA  
STA 44+94 TO STA 44+94  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 211 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 45+00 TO STA 45+00  
CROSS SECTIONS

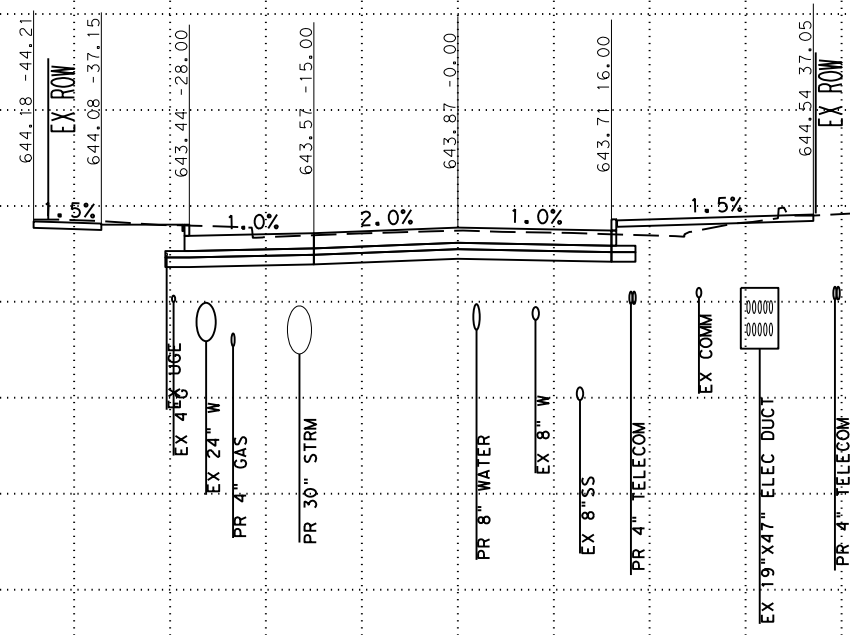
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 212 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 45+07

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

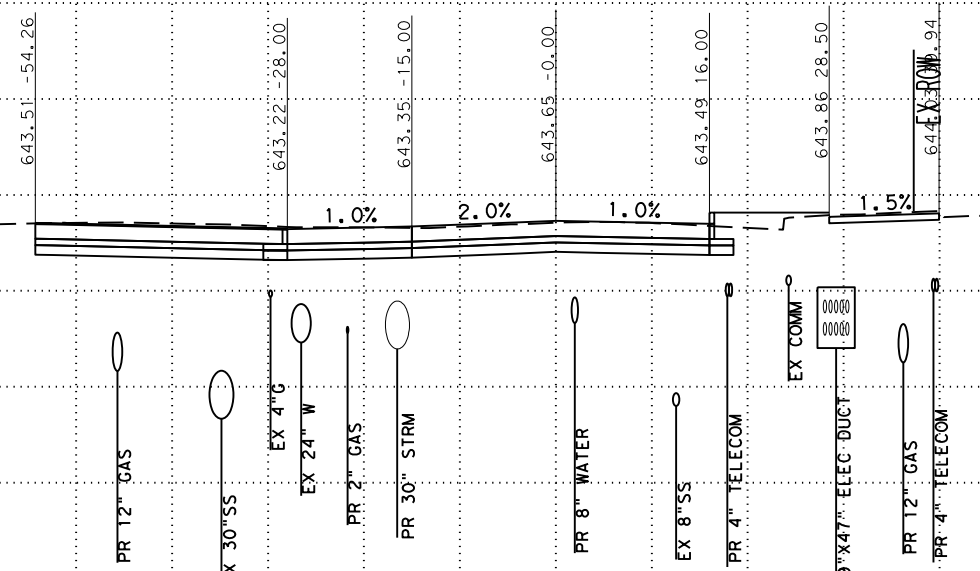
DOLOROSA  
STA 45+07 TO STA 45+07  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 213 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 45+36

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
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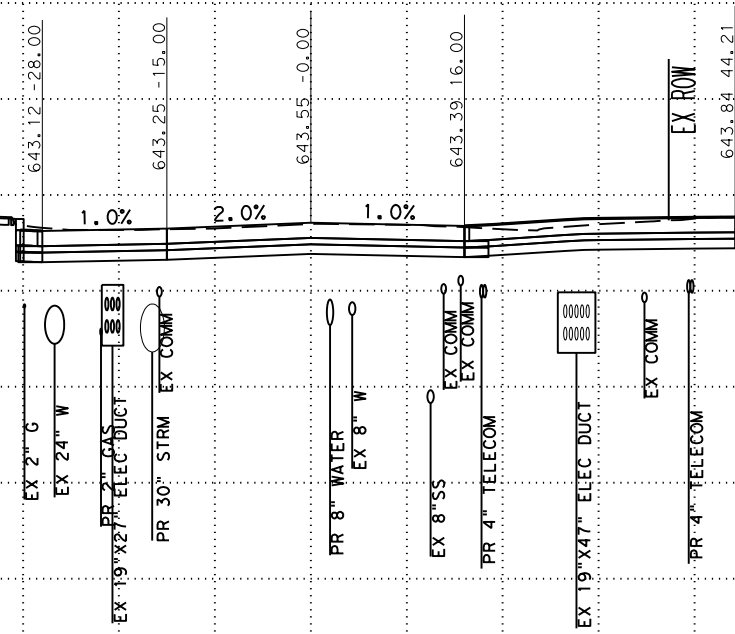
**DOLOROSA**  
STA 45+36 TO STA 45+36  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 214 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 45+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

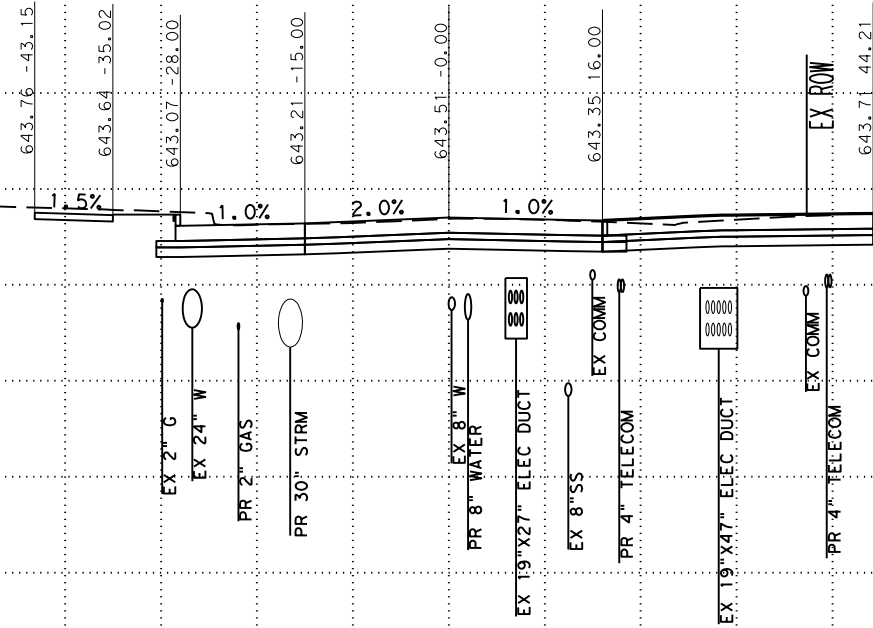
**DOLOROSA**  
STA 45+50 TO STA 45+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 215 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 45+55

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

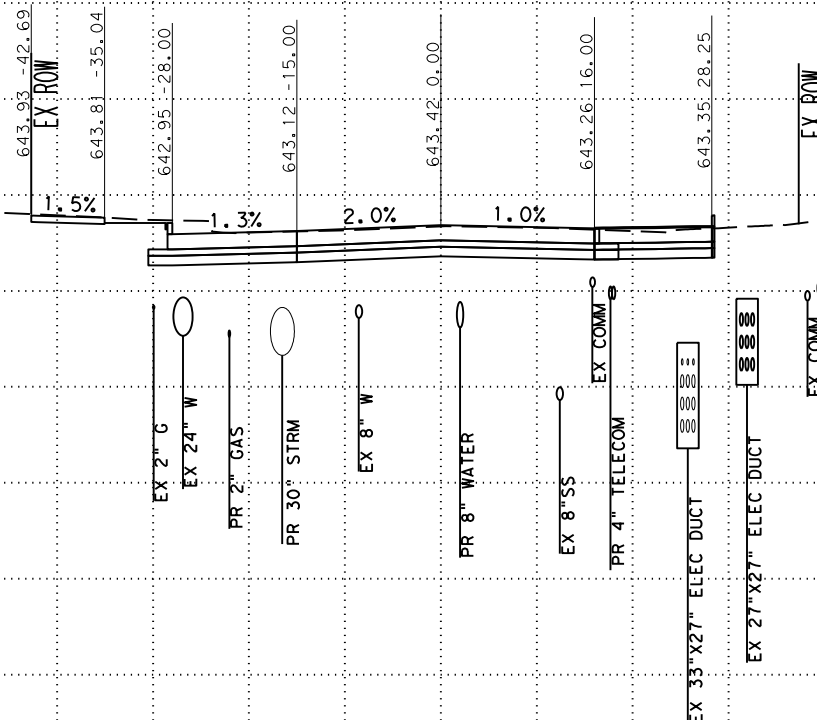
**DOLOROSA**  
STA 45+55 TO STA 45+55  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 216 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 45+66

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 45+66 TO STA 45+66  
CROSS SECTIONS

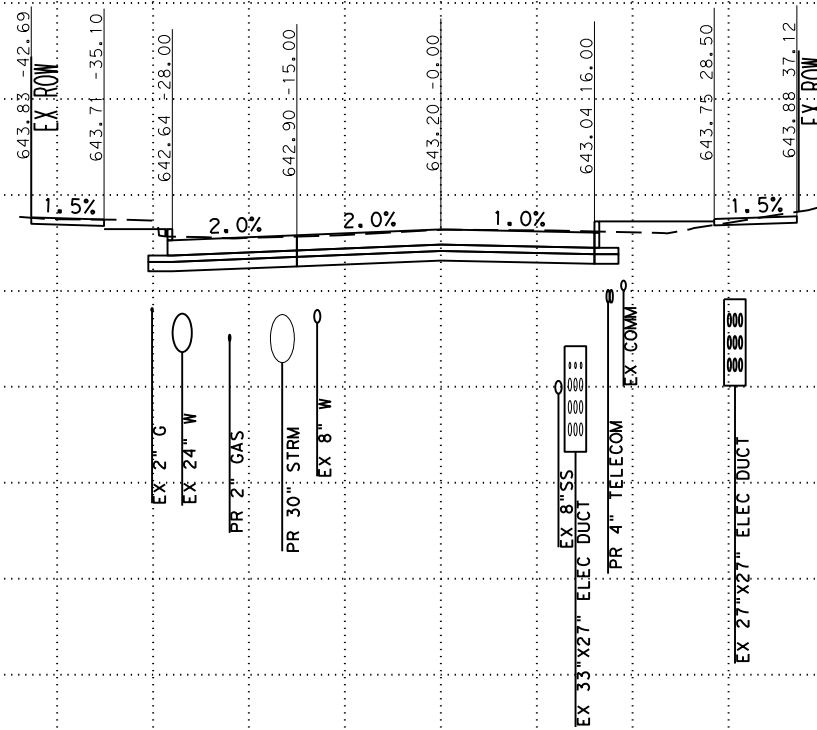
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 217 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

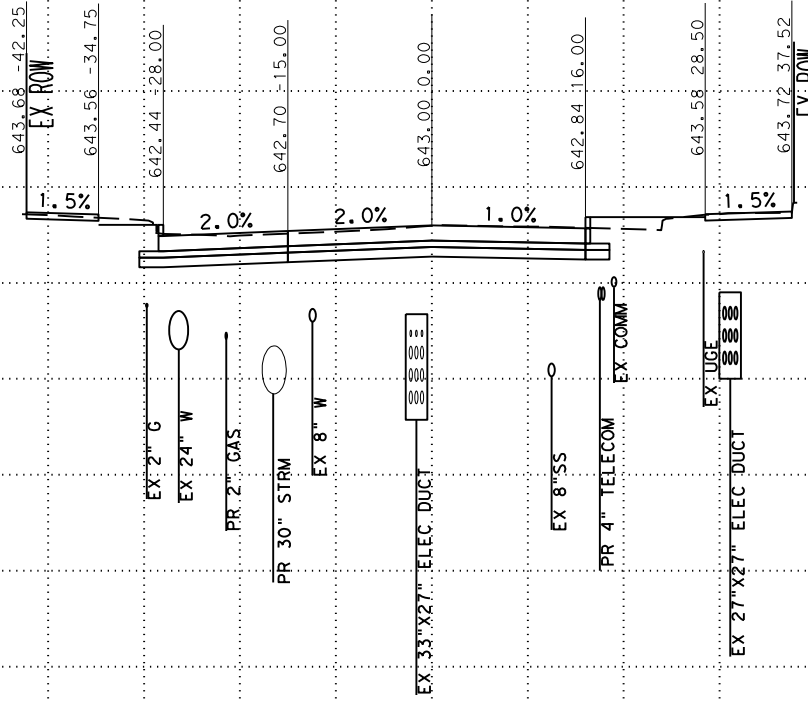
DOLOROSA  
STA 46+00 TO STA 46+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 218 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 46+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

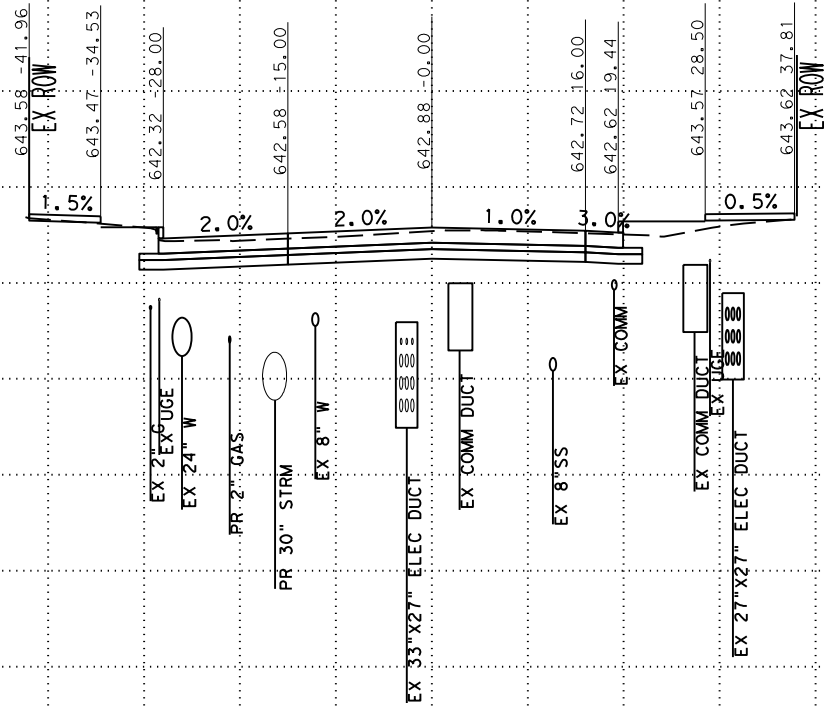
**DOLOROSA**  
STA 46+50 TO STA 46+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 219 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 46+80

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

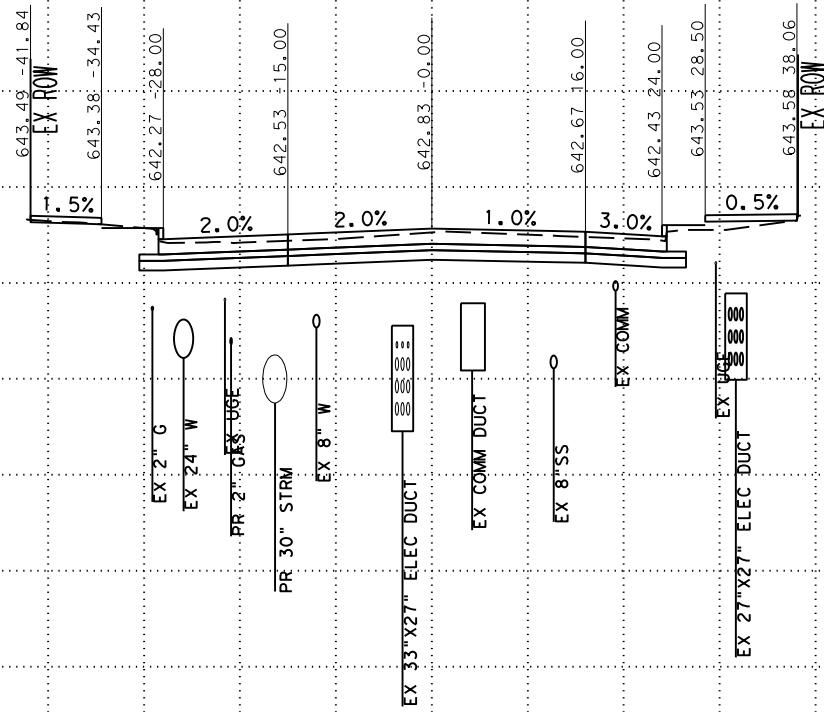
DOLOROSA  
STA 46+80 TO STA 46+80  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 220 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 46+93

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

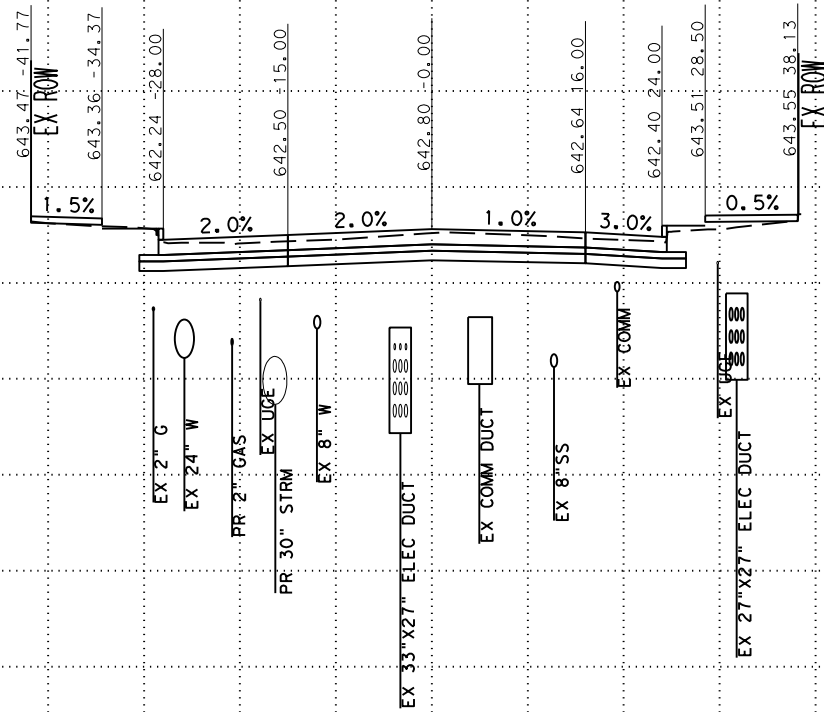
DOLOROSA  
STA 46+93 TO STA 46+93  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 221 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 47+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 47+00 TO STA 47+00  
CROSS SECTIONS

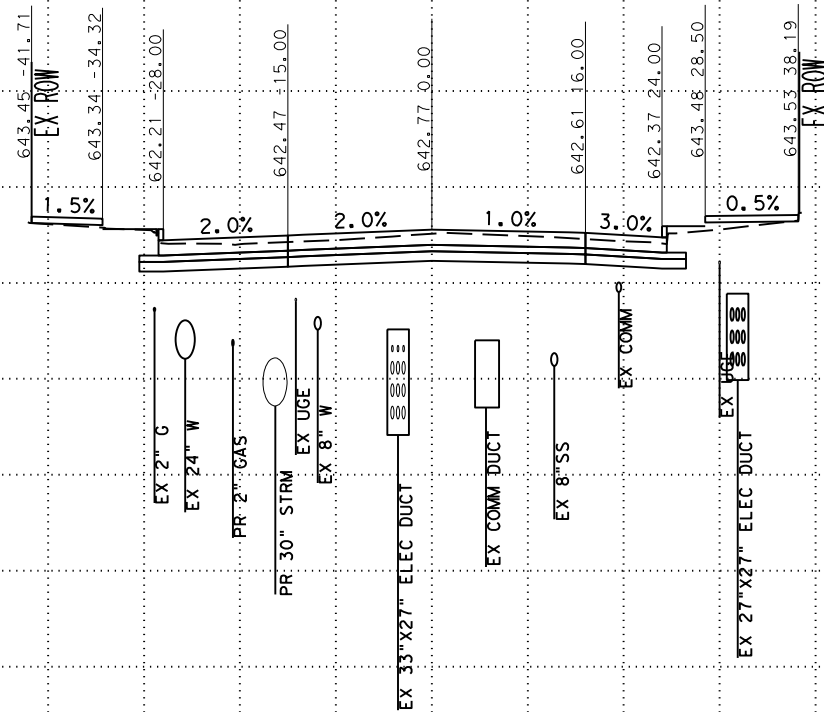
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 222 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 47+07

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

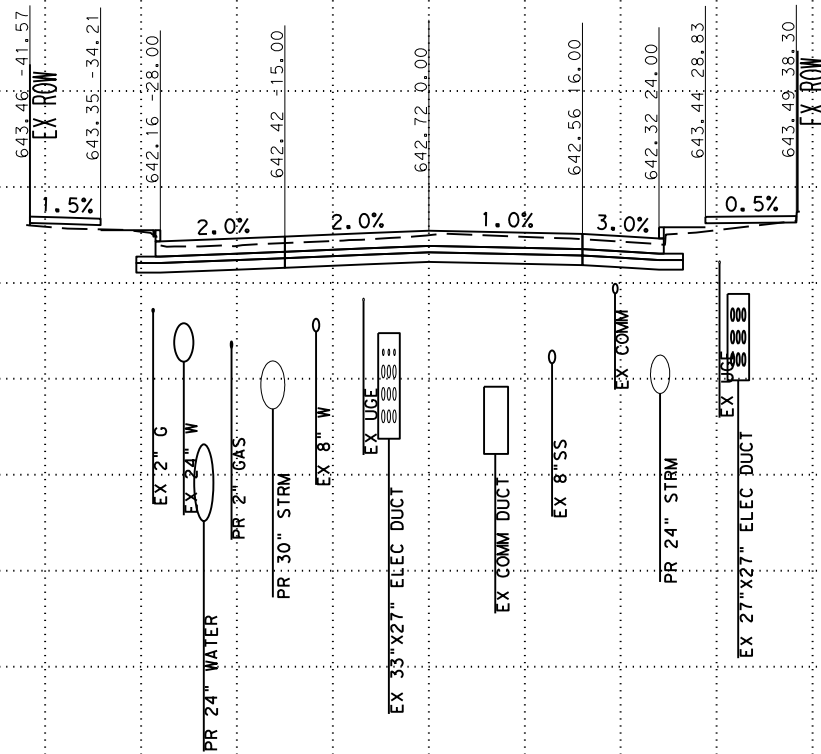
DOLOROSA  
STA 47+07 TO STA 47+07  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 223 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

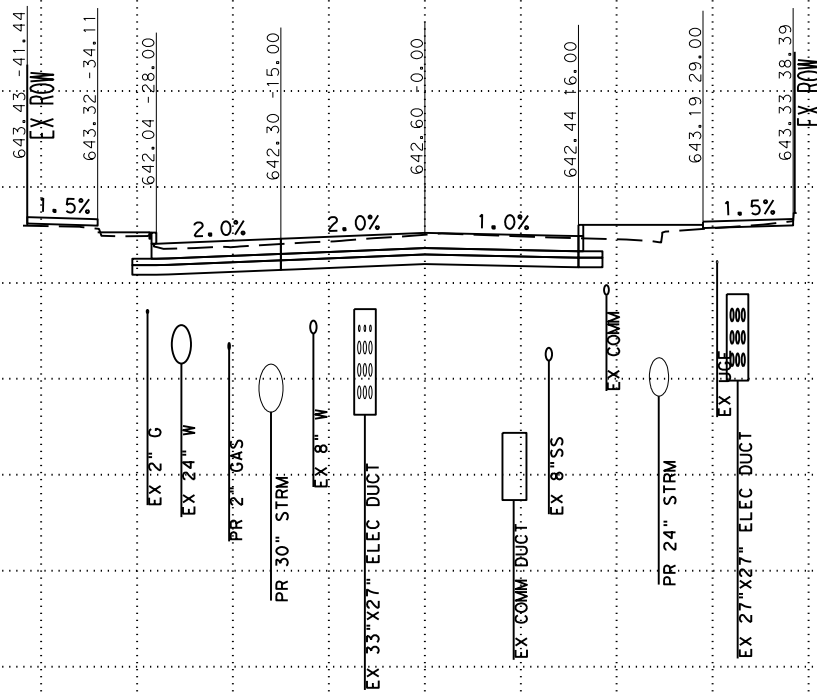
DOLOROSA  
STA 47+21 TO STA 47+21  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 224 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 47+35

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

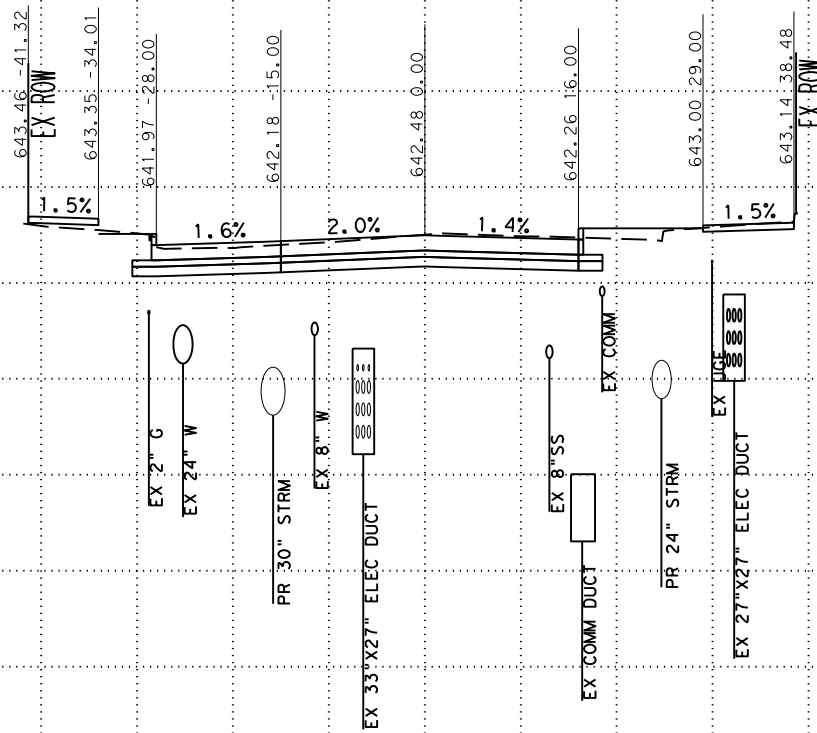
DOLOROSA  
STA 47+35 TO STA 47+35  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 225  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 47+48

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

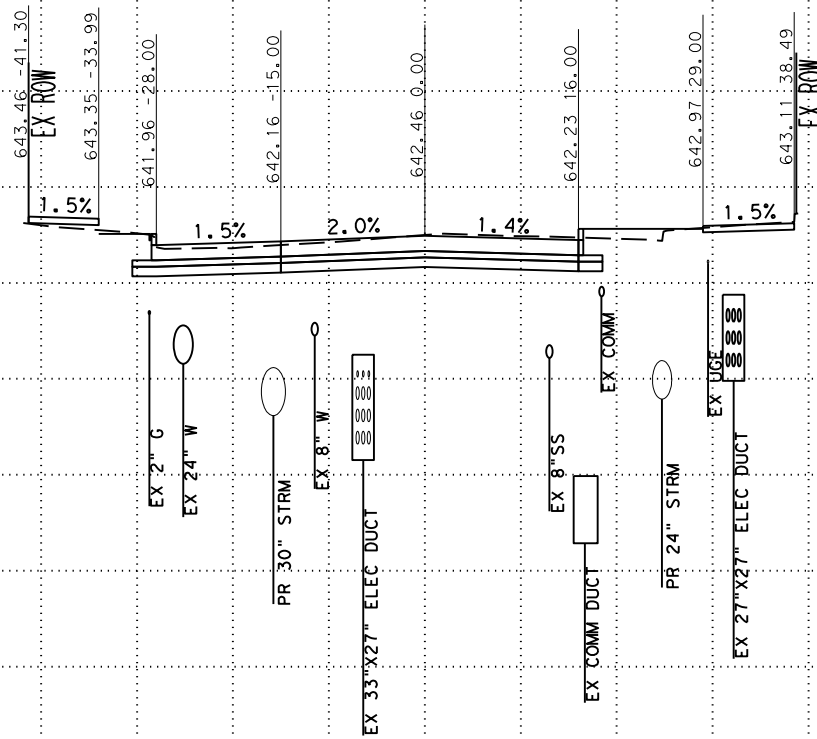
DOLOROSA  
STA 47+48 TO STA 47+48  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 226 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 47+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

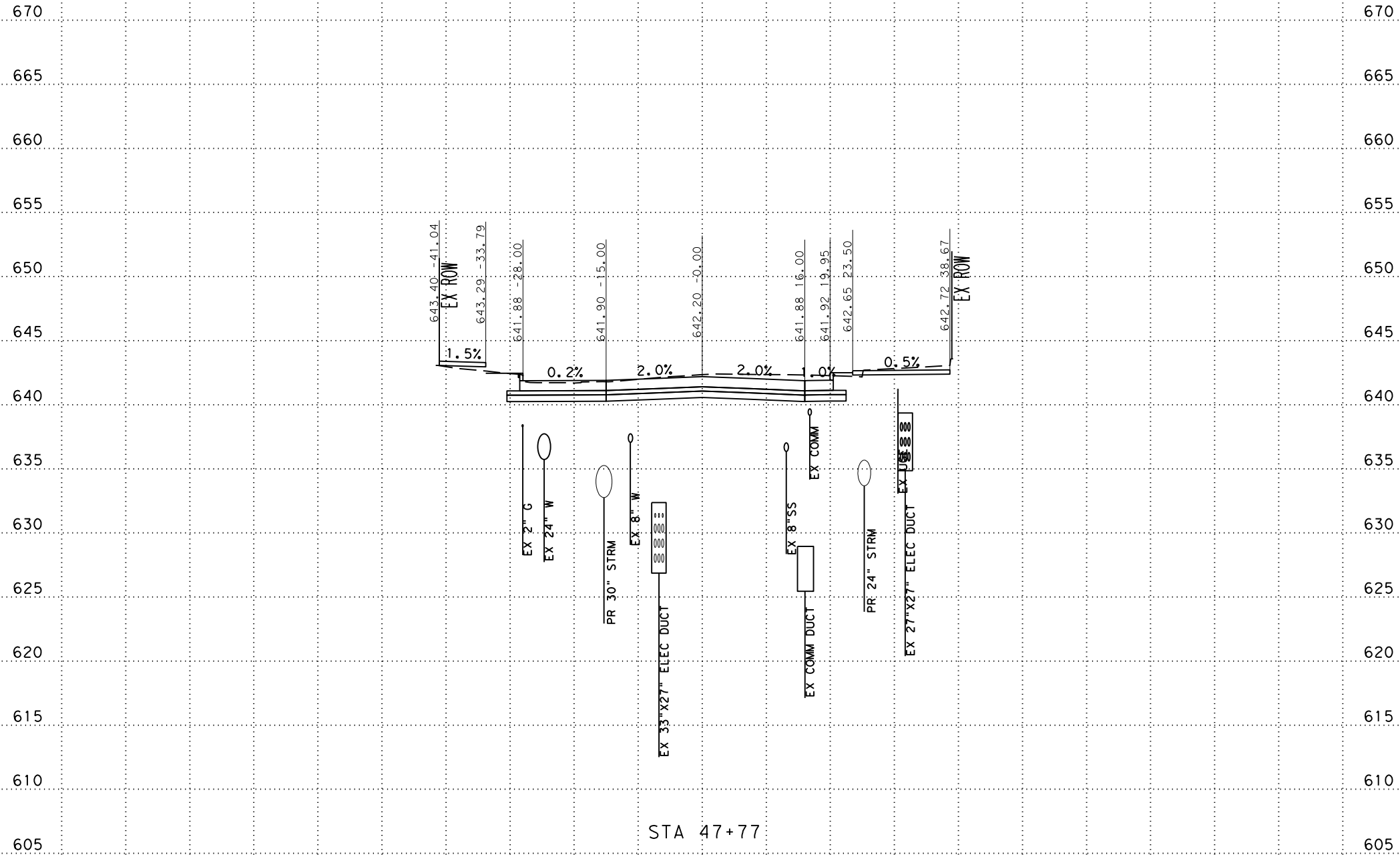


CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 47+50 TO STA 47+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 227 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



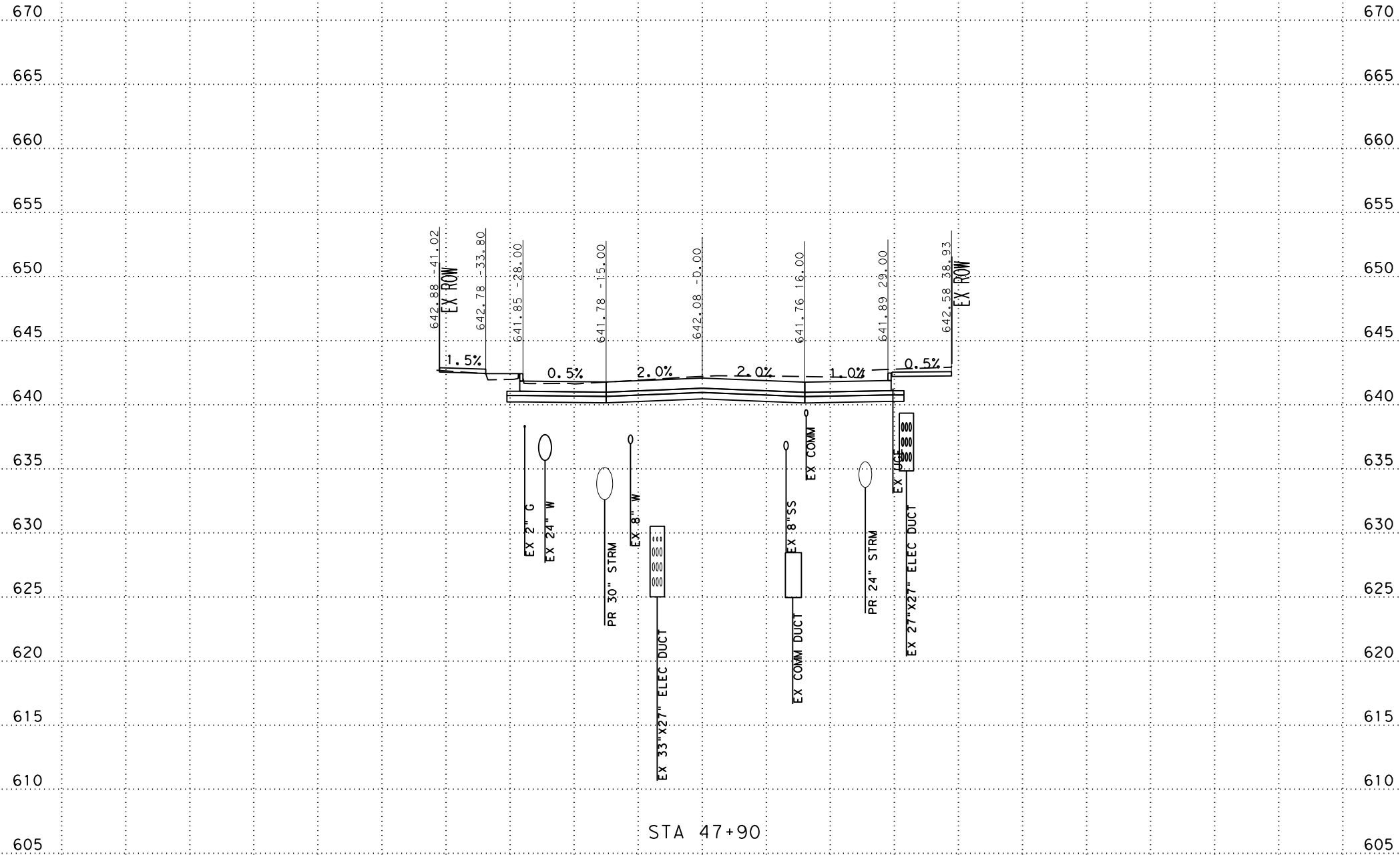
CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 47+77 TO STA 47+77  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 228 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

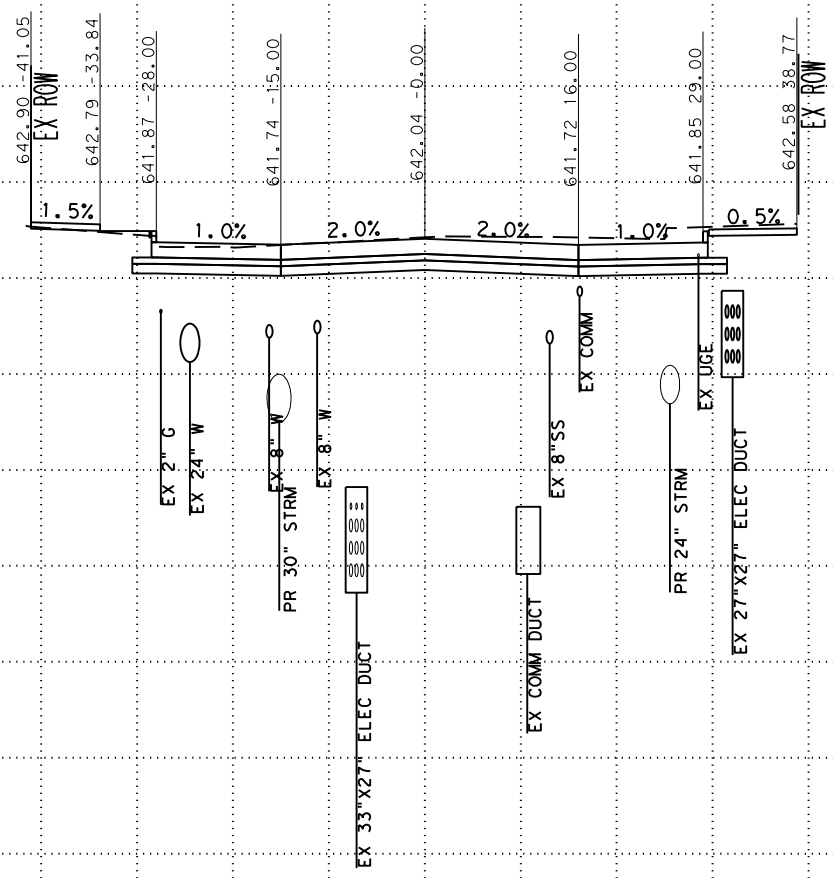
**DOLOROSA**  
STA 47+90 TO STA 47+90  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 229 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 48+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

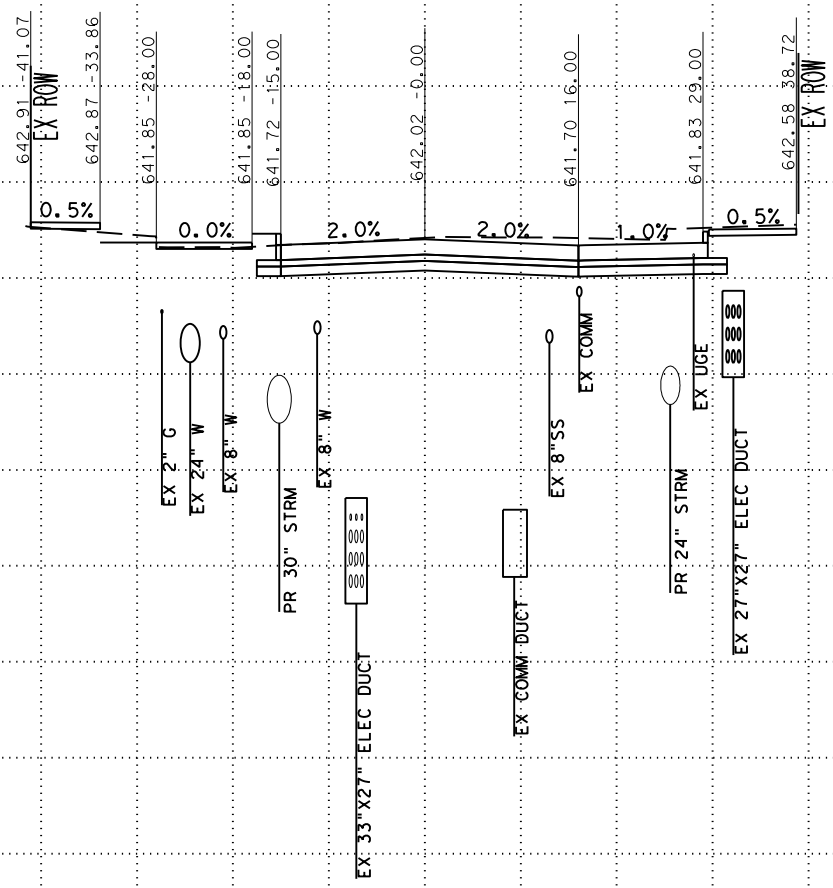
DOLOROSA  
STA 48+00 TO STA 48+00  
CROSS SECTIONS

|                |              |                 |
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| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 230 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

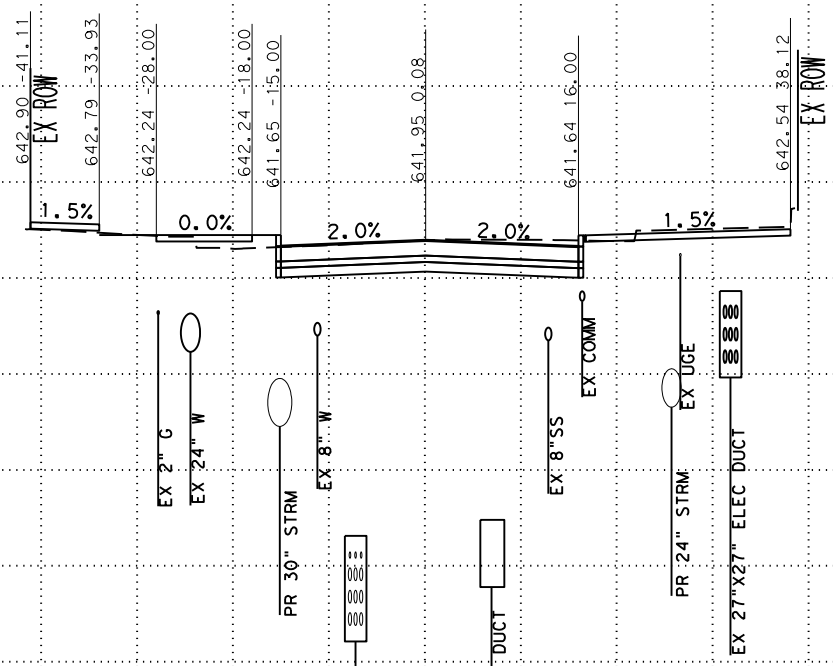
DOLOROSA  
STA 48+04 TO STA 48+04  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 231 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 48+18

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

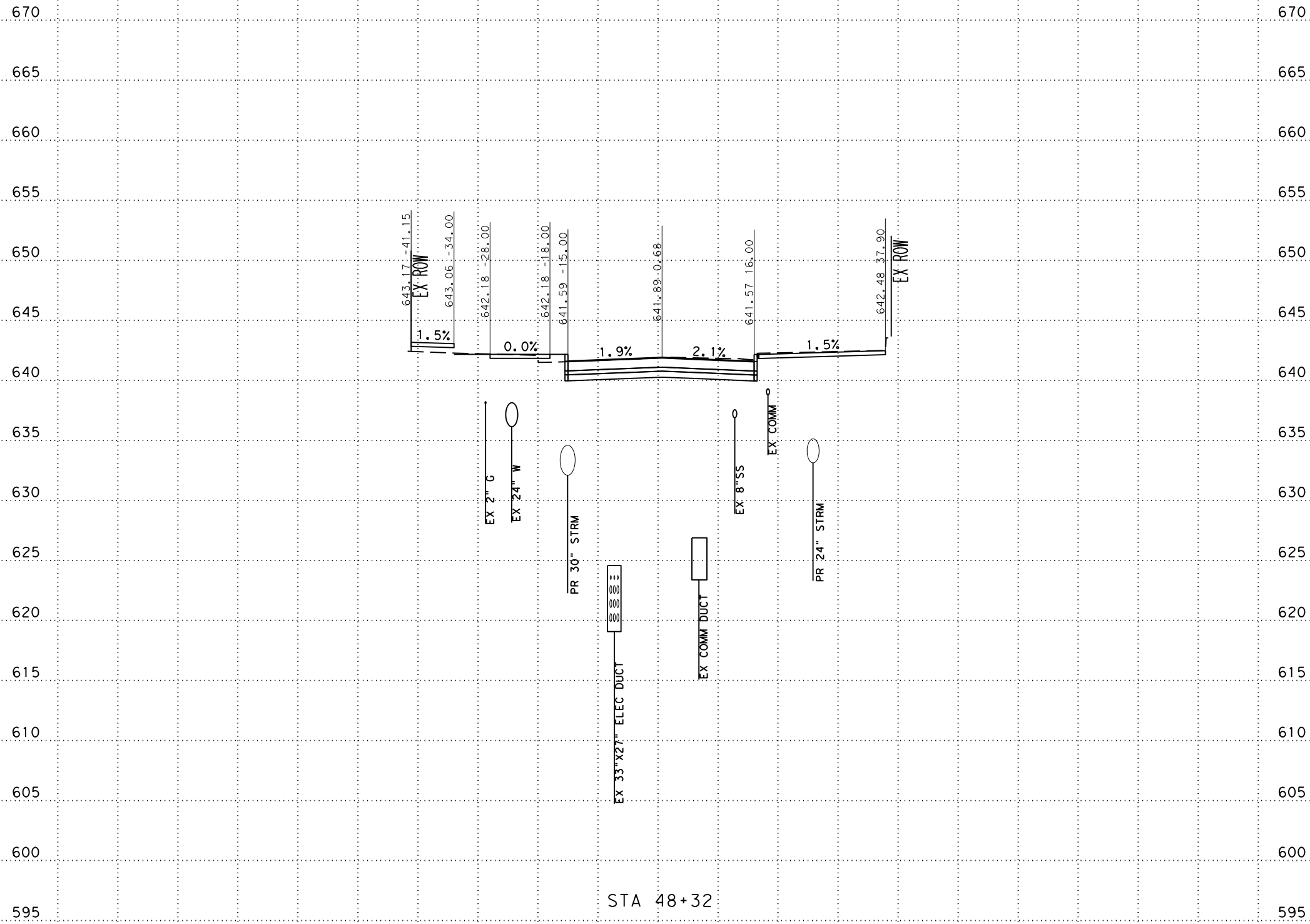


CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 48+18 TO STA 48+18  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 232 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

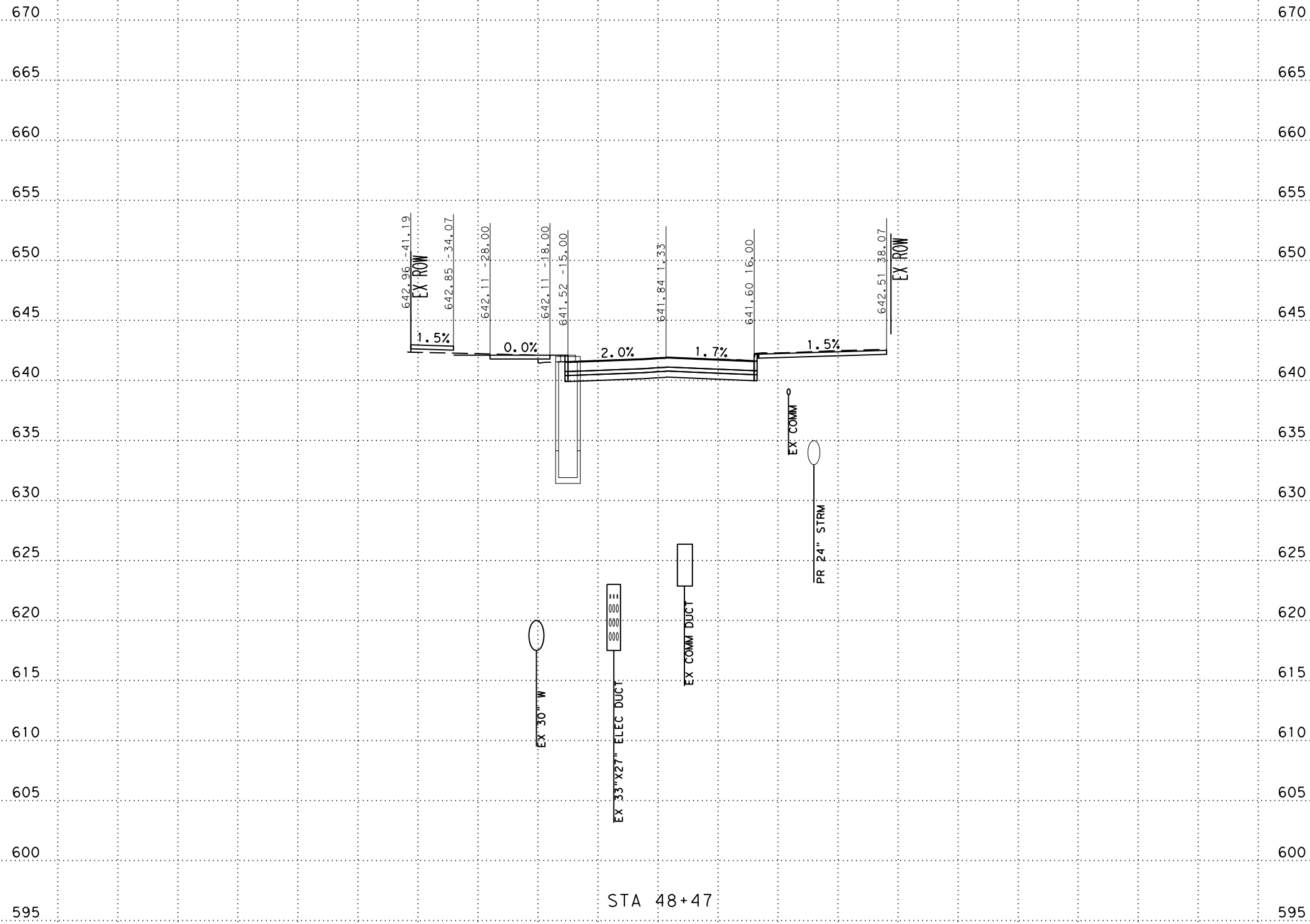


CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 48+32 TO STA 48+32  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 233 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

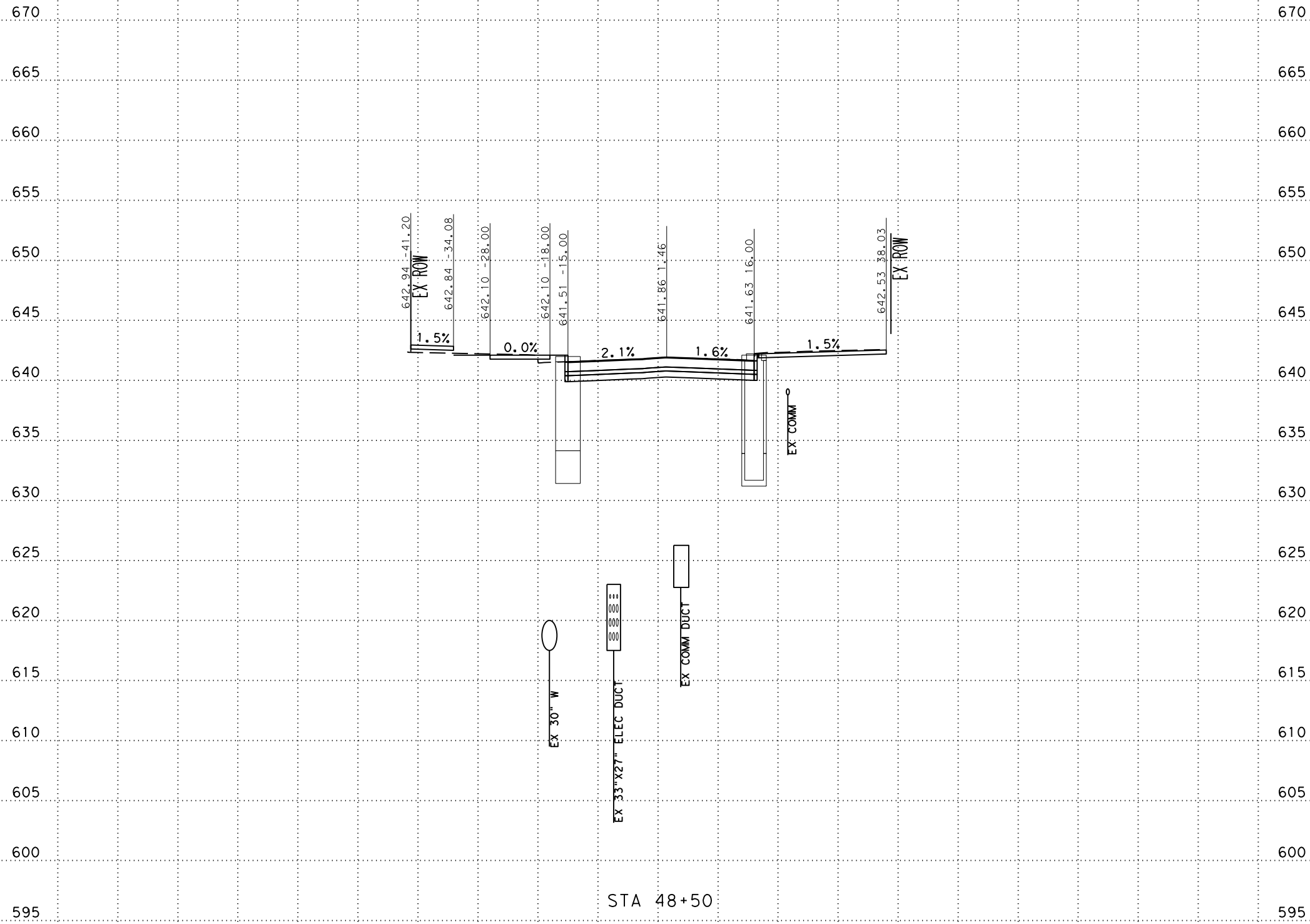
CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 48+47 TO STA 48+47  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 234 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

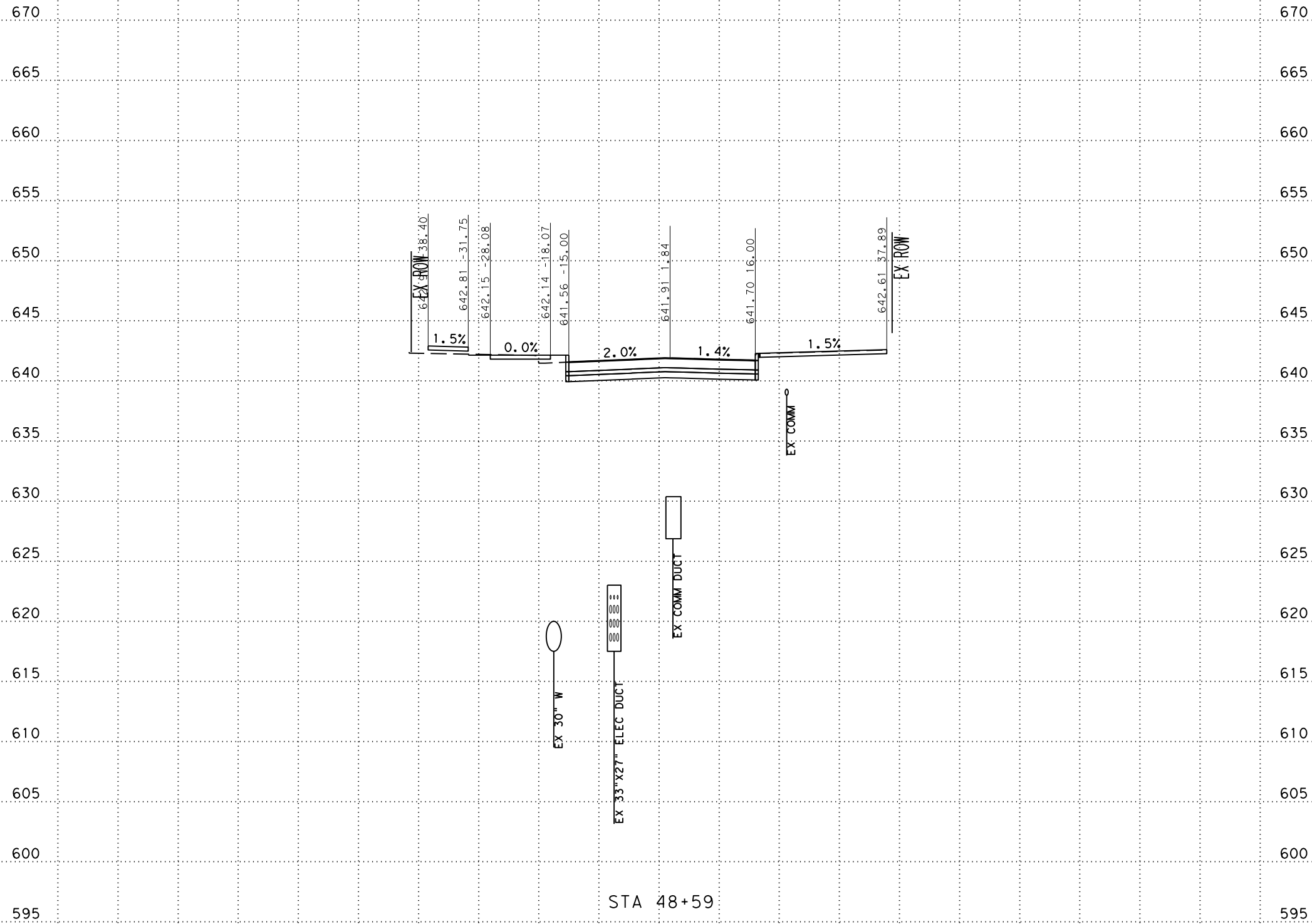


CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 48+50 TO STA 48+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 235  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

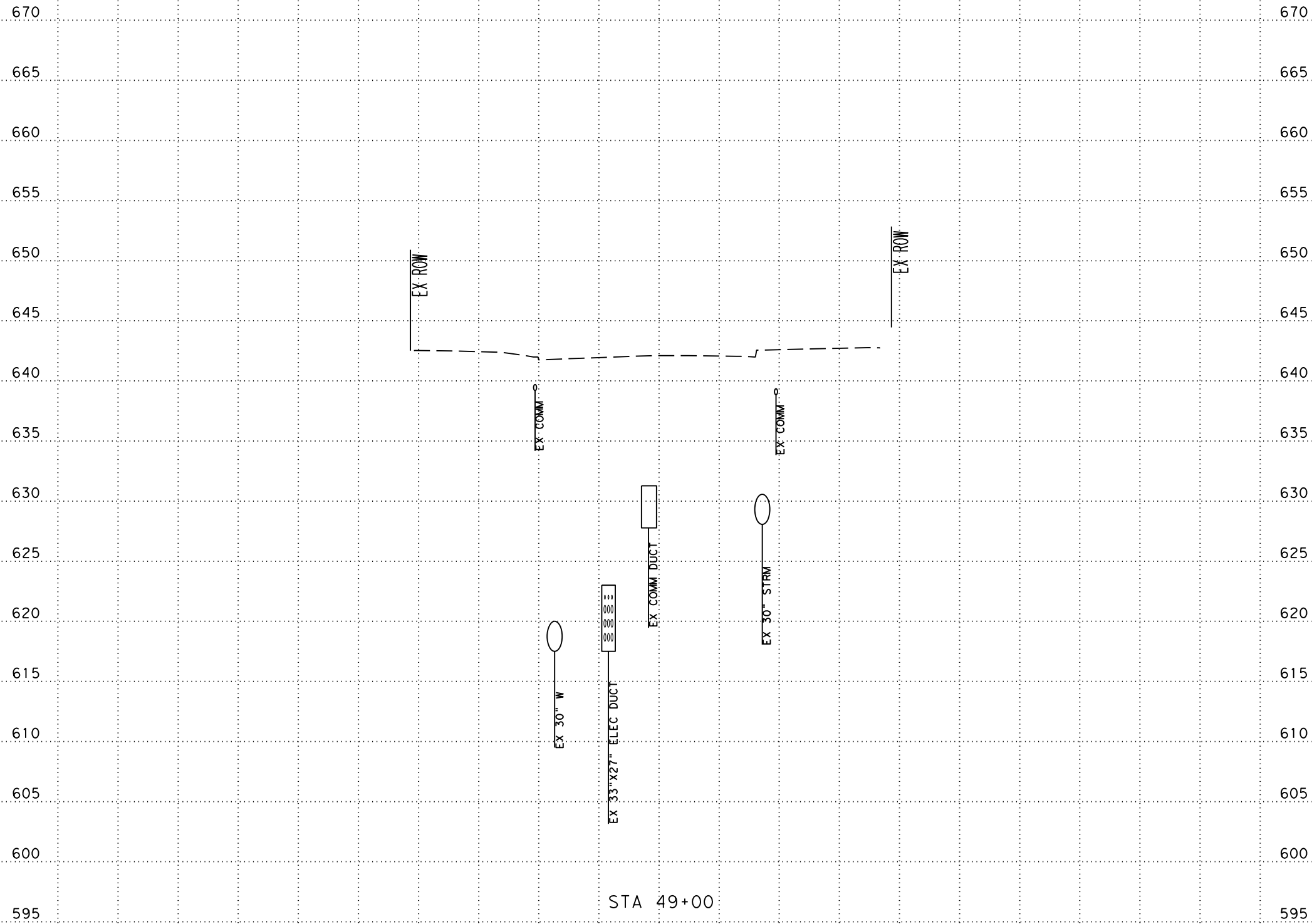


CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 48+59 TO STA 48+59  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 236  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

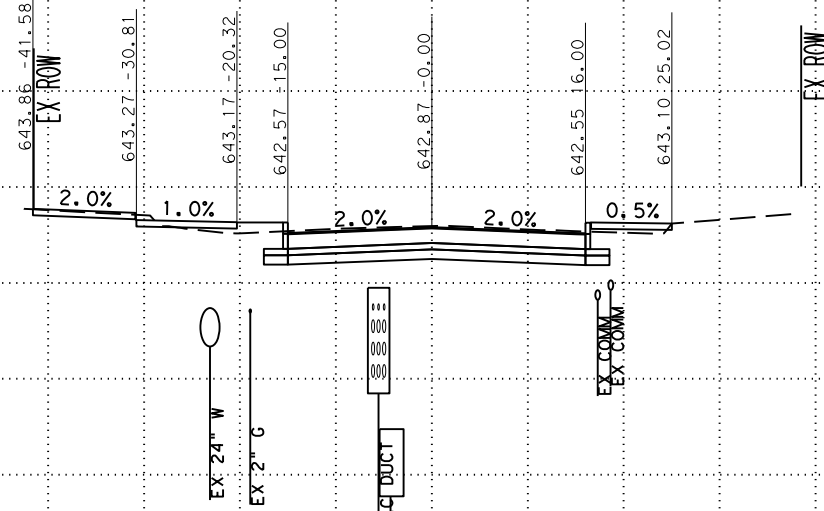
DOLOROSA  
STA 49+00 TO STA 49+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 237 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 49+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

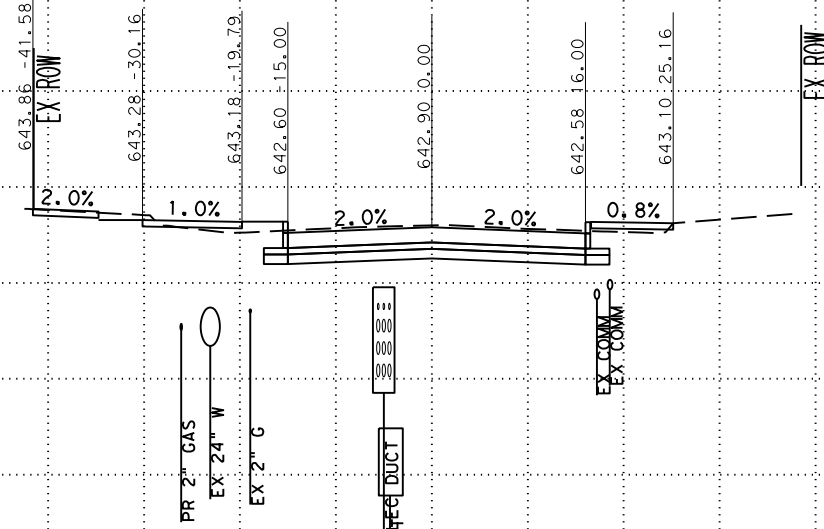
DOLOROSA  
STA 49+50 TO STA 49+50  
CROSS SECTIONS

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| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 238 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 49+52

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

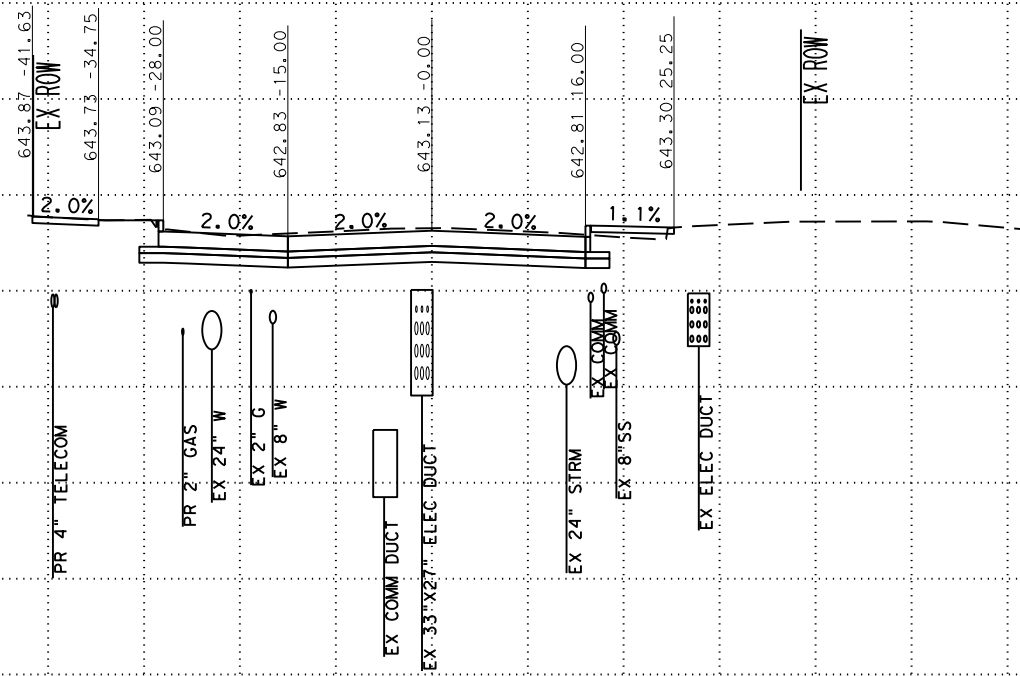
DOLOROSA  
STA 49+52 TO STA 49+52  
CROSS SECTIONS

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|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 239 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 49+67

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 49+67 TO STA 49+67  
CROSS SECTIONS

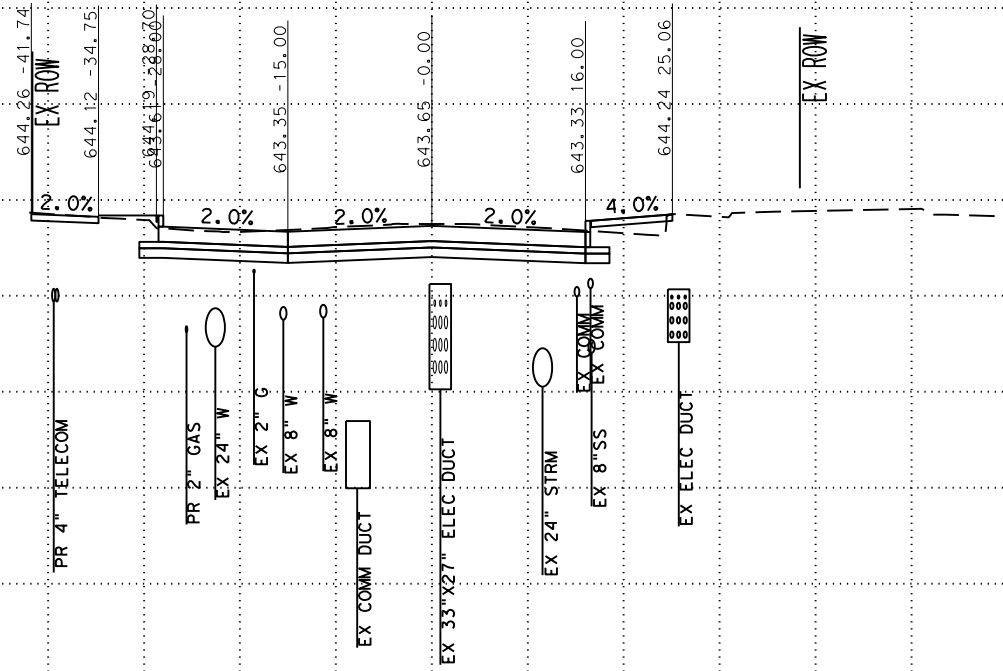
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 240 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 50+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

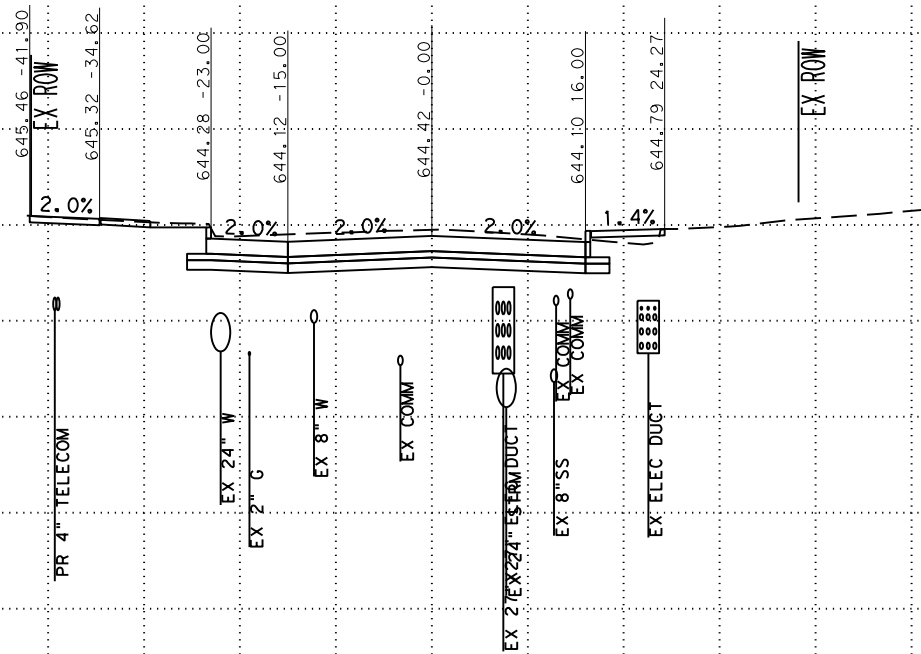
**DOLOROSA**  
STA 50+00 TO STA 50+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 241 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 50+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

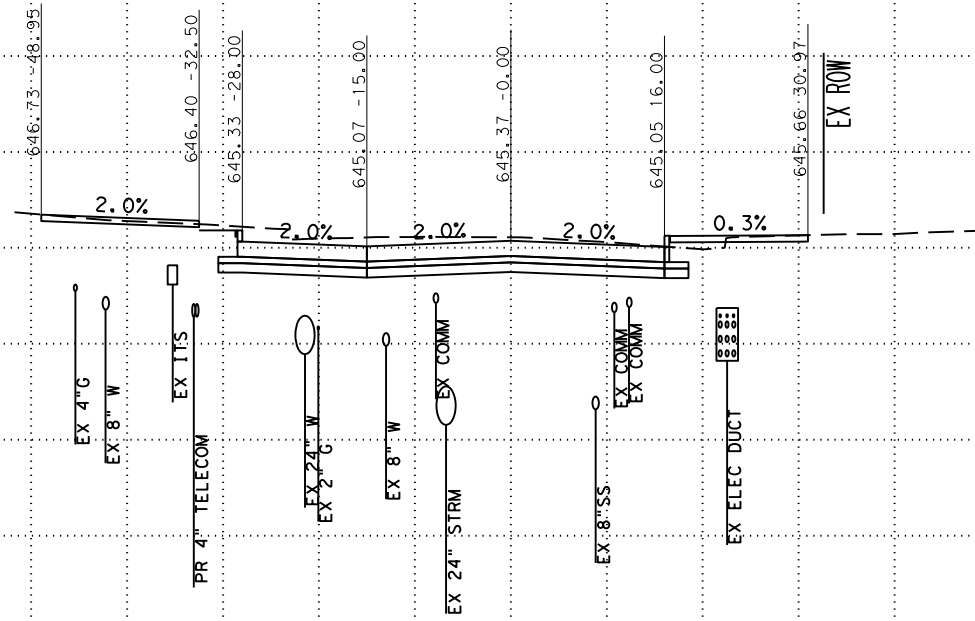
DOLOROSA  
STA 50+50 TO STA 50+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 242 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 51+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

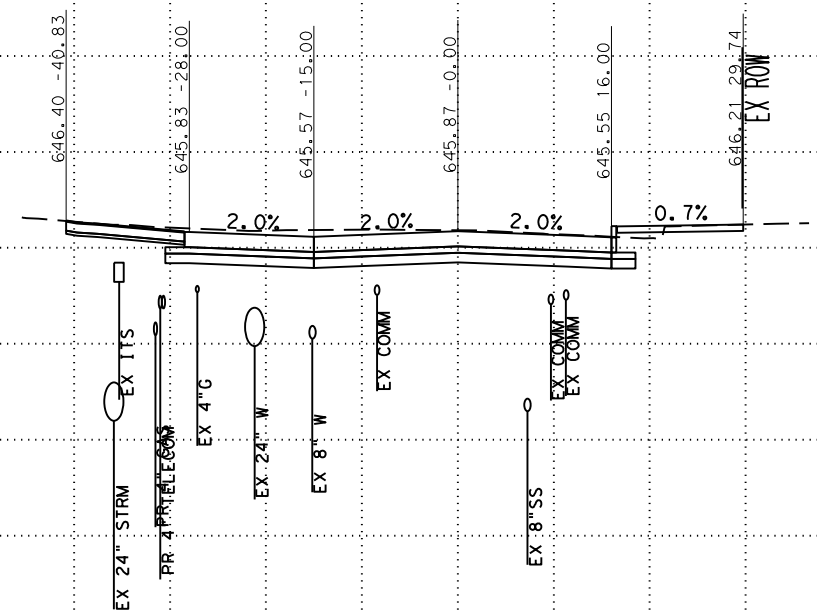
DOLOROSA  
STA 51+00 TO STA 51+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 243  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 51+25

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 51+25 TO STA 51+25  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 244  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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EX 24" STRM

EX TTS

PR 4" TELECOM

EX 24" W

PR 4" GAS

EX 8" W

EX 4" EX COMM

EX 8" SS

EX COMM

EX COMM

EX ROW

646.99 -34.87

646.33 -28.00

646.07 -15.00

646.37 -0.00

646.05 16.00

2.0%

2.0%

2.0%

2.0%

STA 51+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson  
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

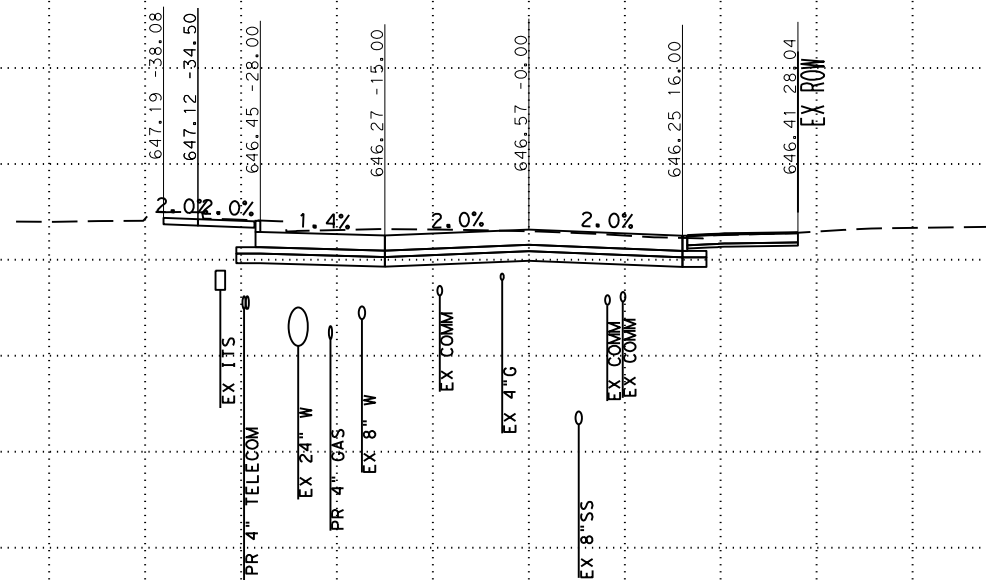
**DOLOROSA**  
STA 51+50 TO STA 51+50  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 245  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 51+60

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

**DOLOROSA**  
STA 51+60 TO STA 51+60  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 246  |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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EX 36" STRM

EX COMM

PR 4" TELECOM

EX 24" W

PR 4" GAS

EX 8" W

EX COMM

EX COMM

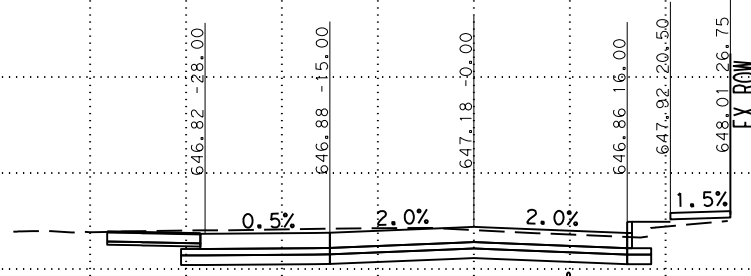
EX 8" SS

EX COMM

EX COMM

EX 4" G

EX 27"X27" ELEC DUCT



STA 51+91

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

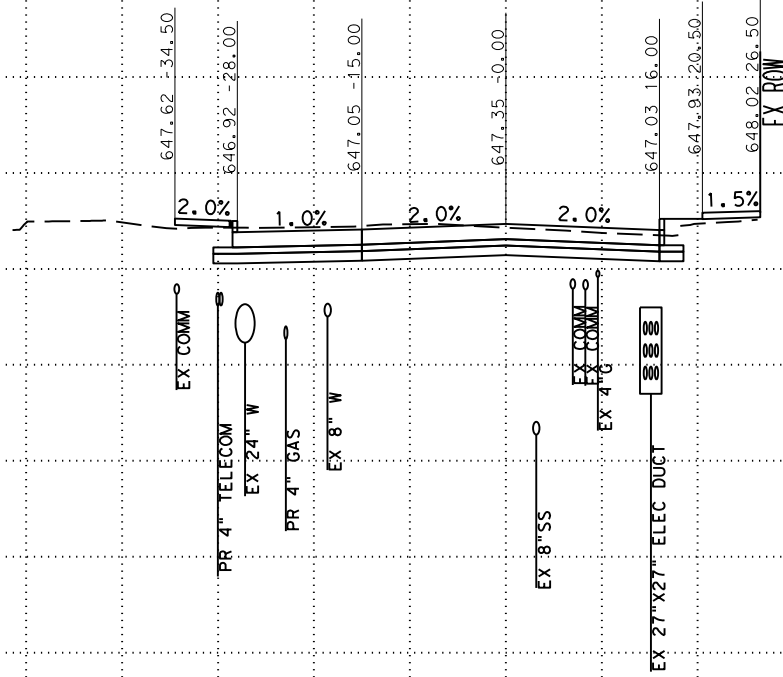
DOLOROSA  
STA 51+91 TO STA 51+91  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 247 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 52+00

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

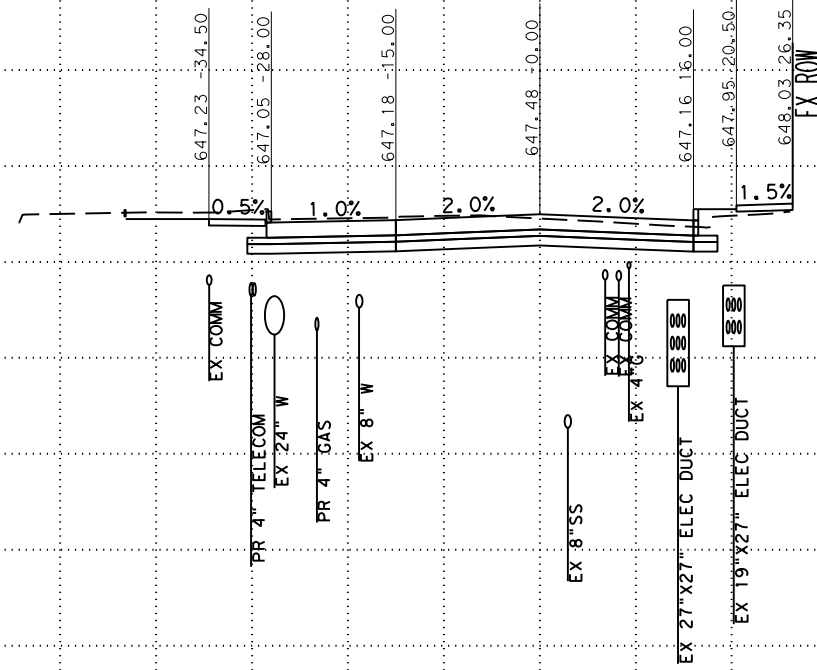
DOLOROSA  
STA 52+00 TO STA 52+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 248  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 52+08

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

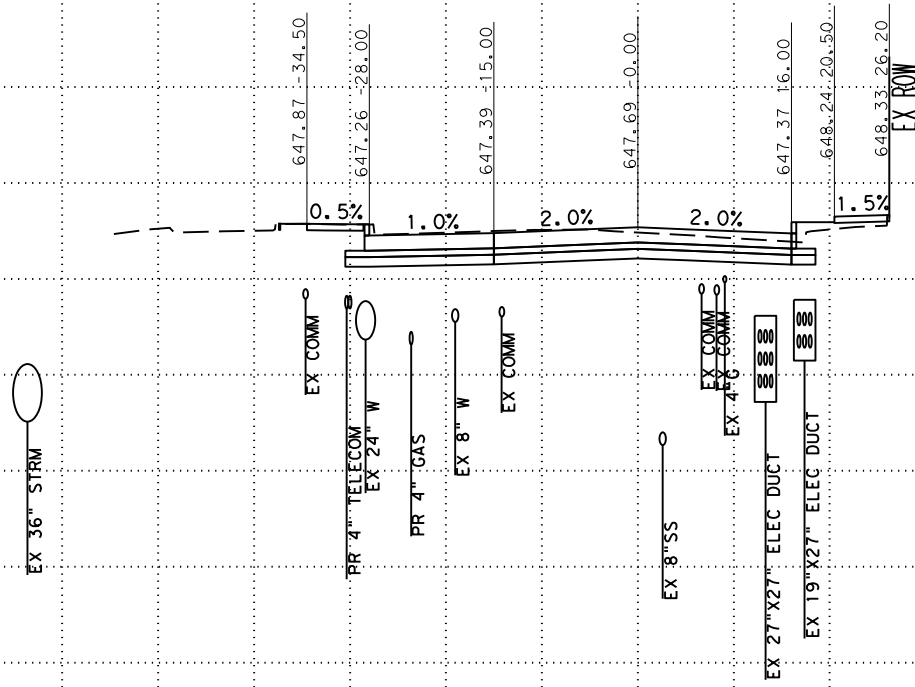
DOLOROSA  
STA 52+08 TO STA 52+08  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
|                |              | SHEET NO.: 249  |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

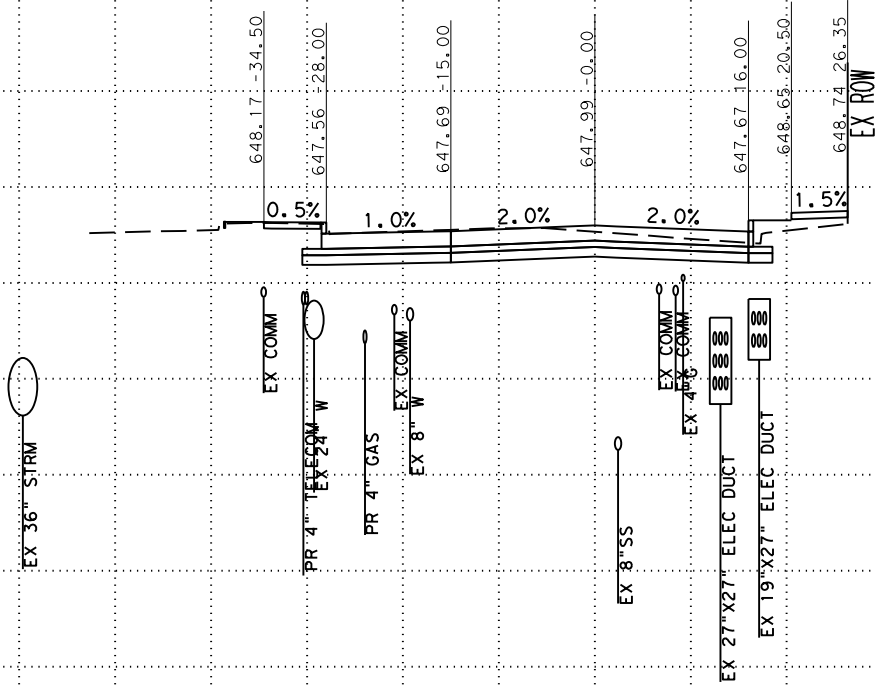
DOLOROSA  
STA 52+22 TO STA 52+22  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 250 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 52+47

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson**  
**ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

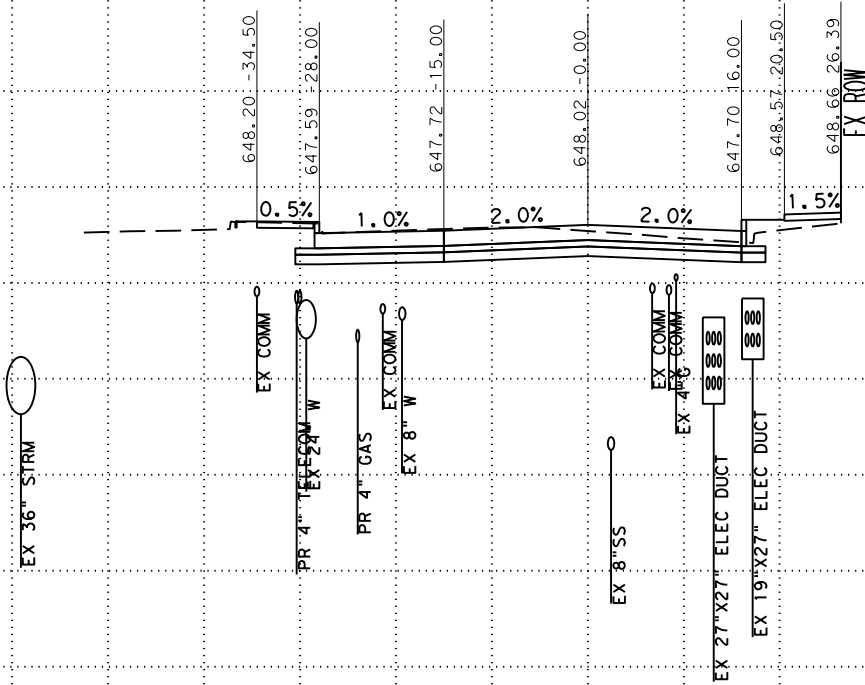
**DOLOROSA**  
STA 52+47 TO STA 52+47  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 251 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 52+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 52+50 TO STA 52+50  
CROSS SECTIONS

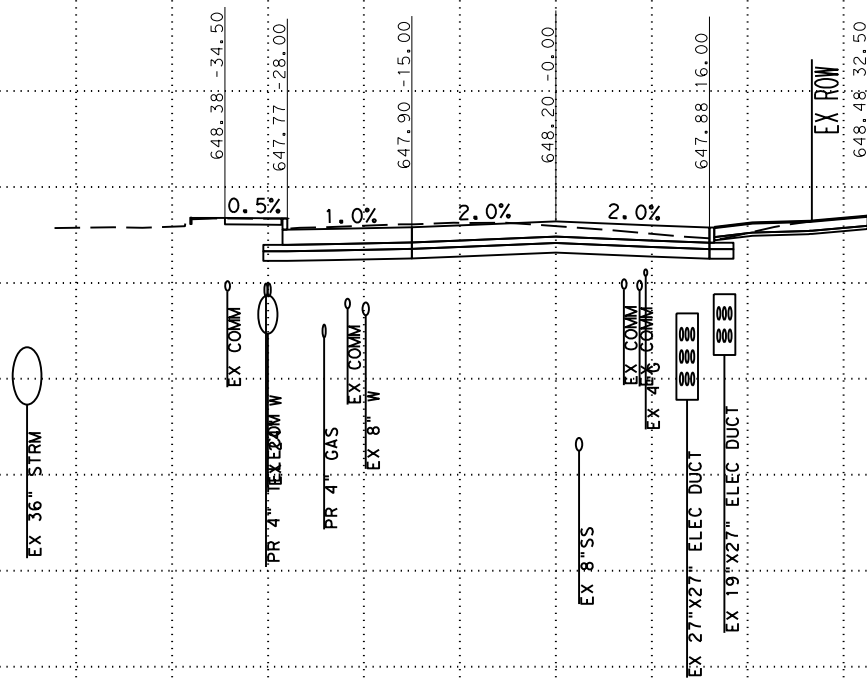
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 252 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 52+73

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'

**Pape-Dawson Engineers**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
**PUBLIC WORKS DEPARTMENT**

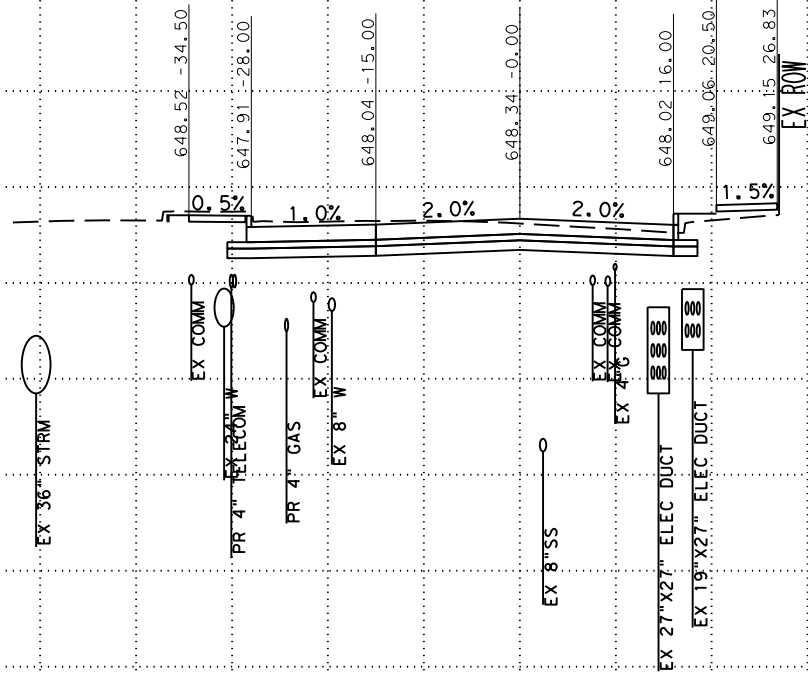
**DOLOROSA**  
STA 52+73 TO STA 52+73  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 253 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

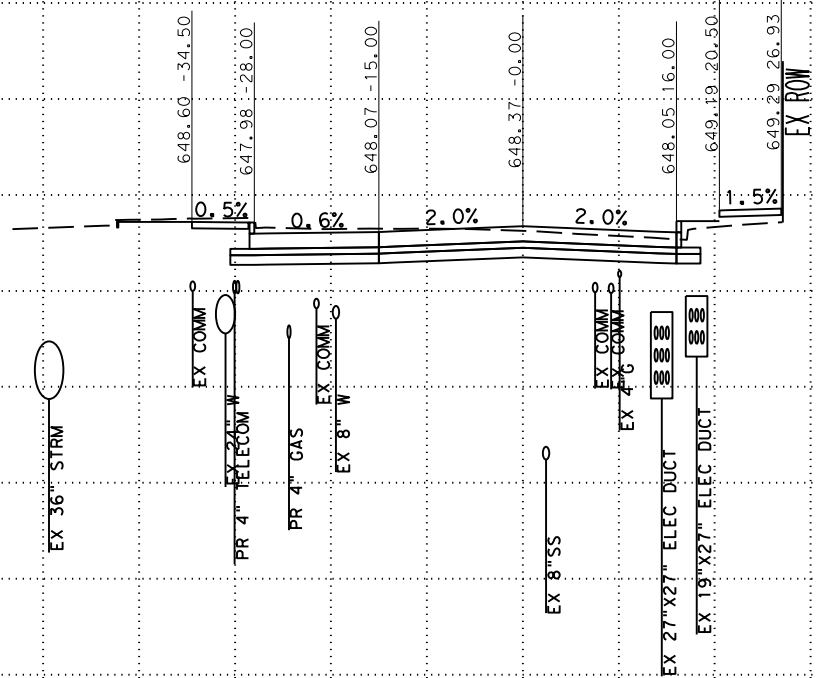
DOLOROSA  
STA 53+00 TO STA 53+00  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 254 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 53+06

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

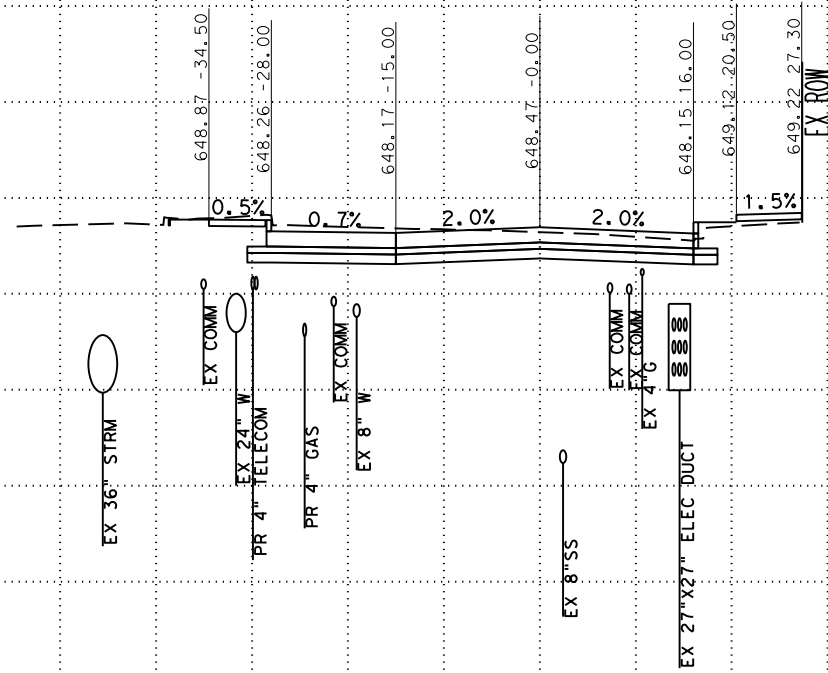
DOLOROSA  
STA 53+06 TO STA 53+06  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 255 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 53+28

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

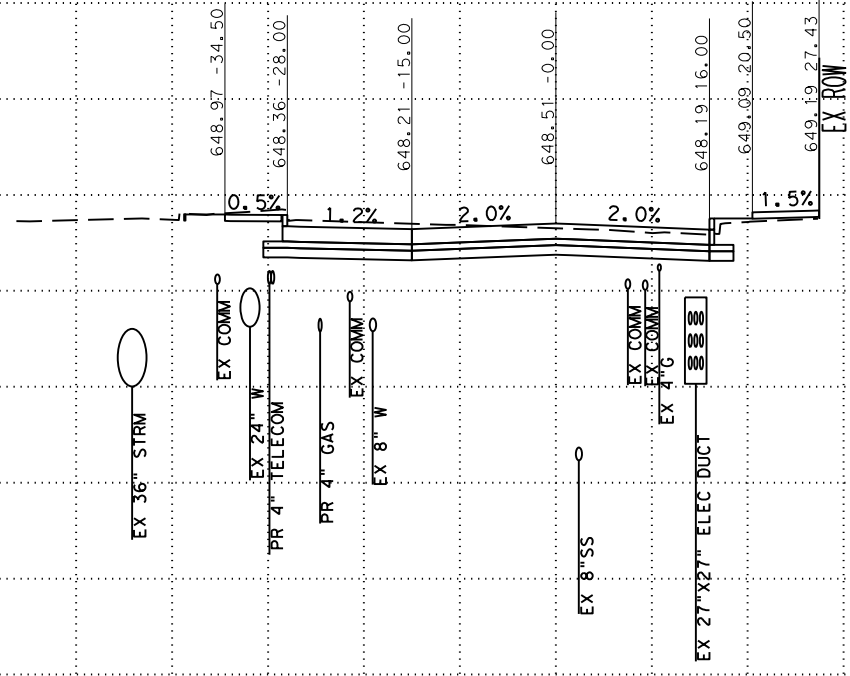
DOLOROSA  
STA 53+28 TO STA 53+28  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 256 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 53+36

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 53+36 TO STA 53+36  
CROSS SECTIONS

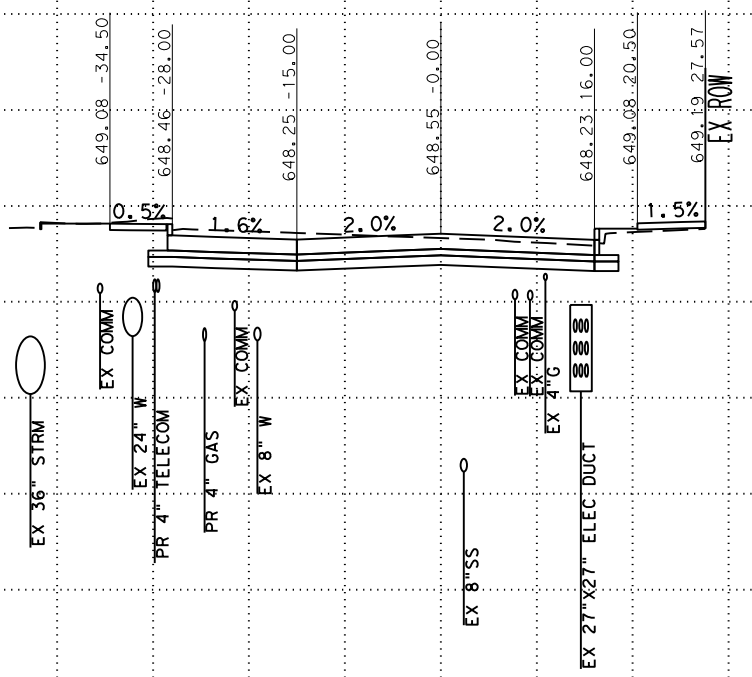
|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 257 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100



STA 53+44

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028900



CITY OF SAN ANTONIO  
PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 53+44 TO STA 53+44  
CROSS SECTIONS

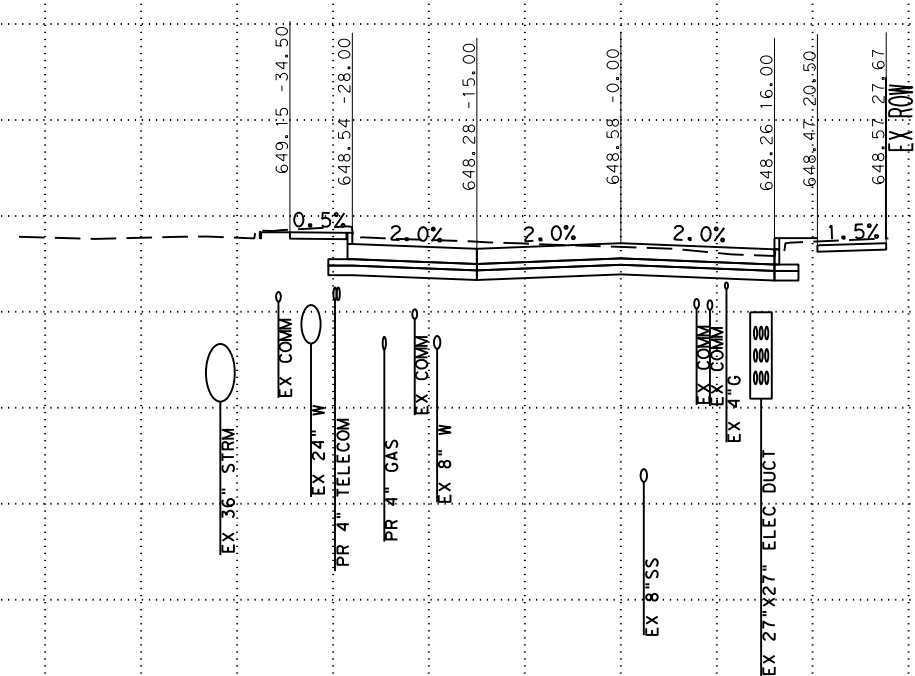
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| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 258 |              |                 |



-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 53+50

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



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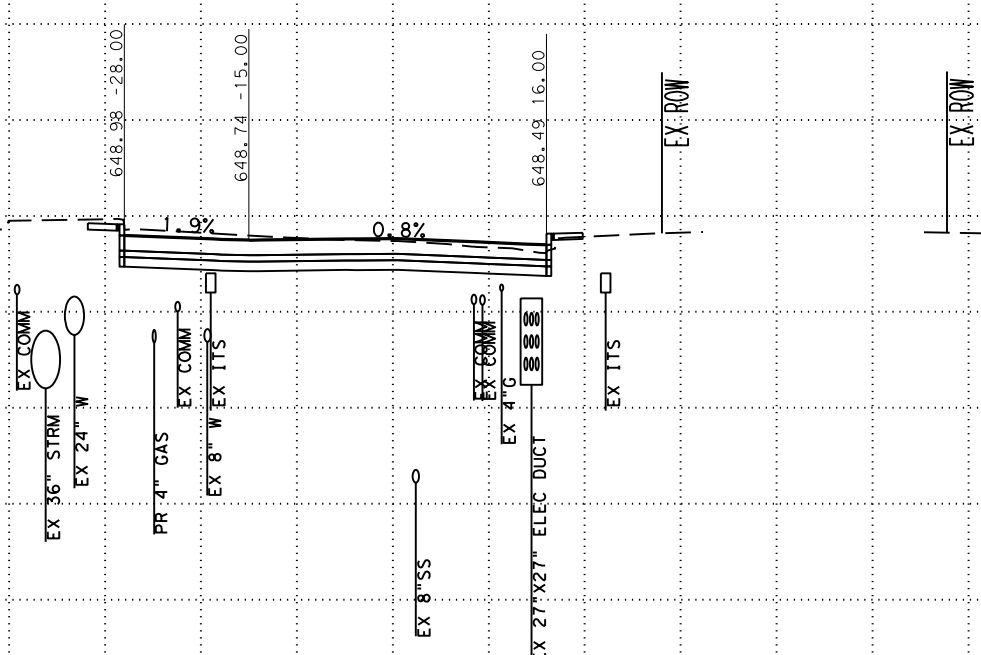
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| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
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| SHEET NO.: 259 |              |                 |

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100

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STA 53+82

SCALE: PLAN 1" = 20'  
PROFILE 1" = 10'



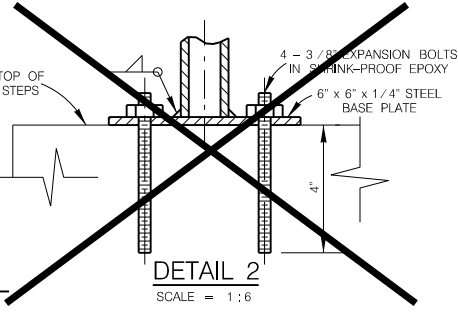
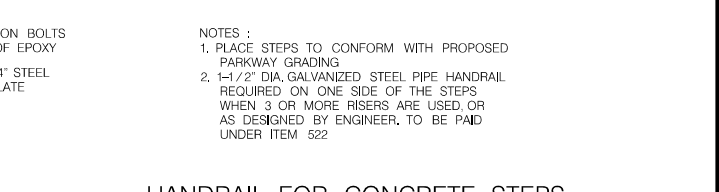
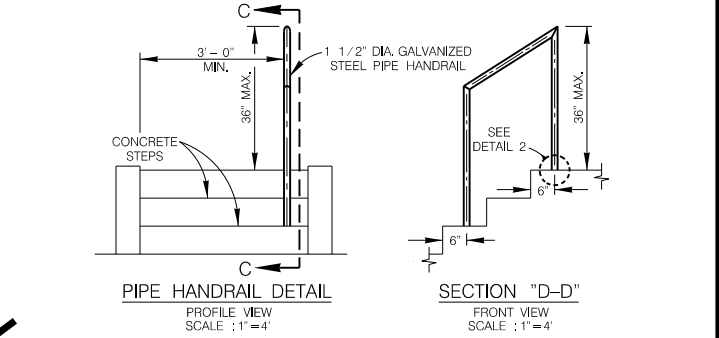
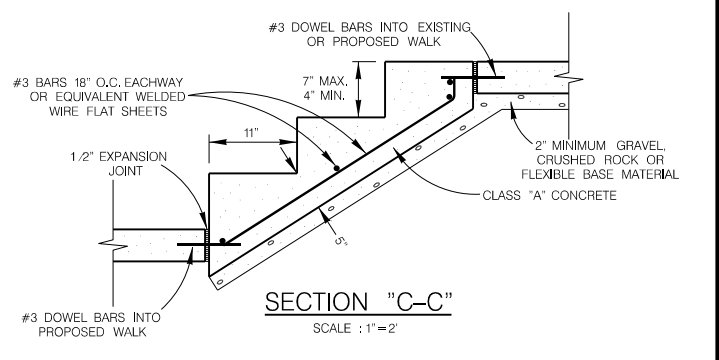
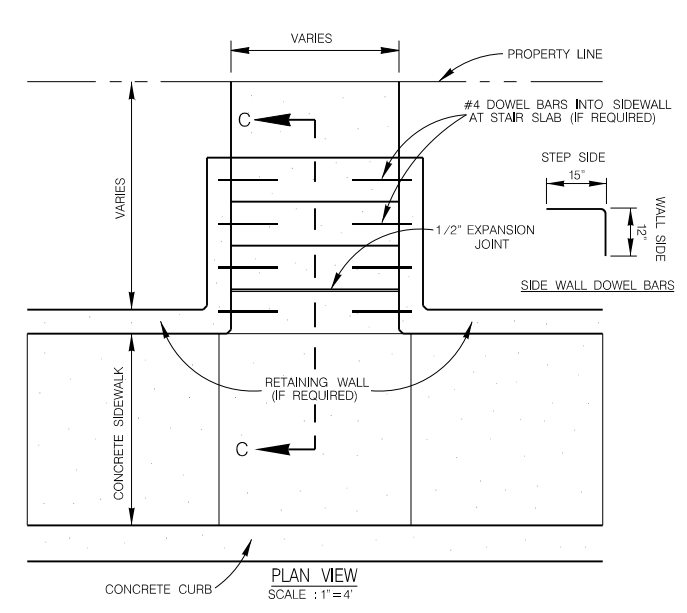
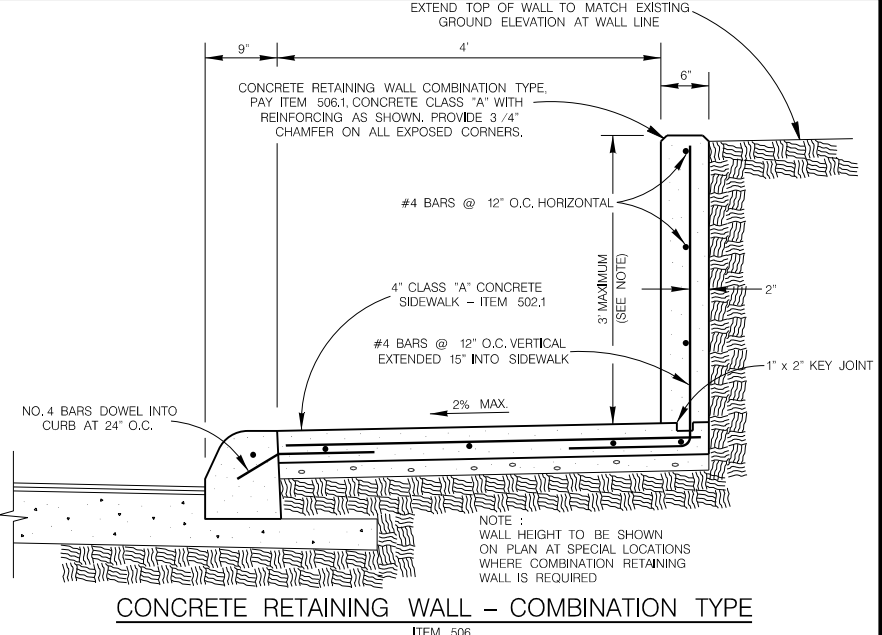
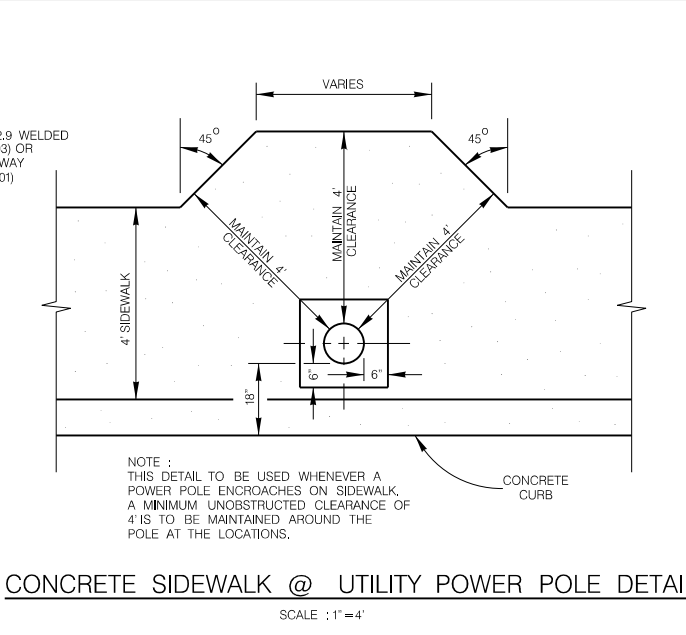
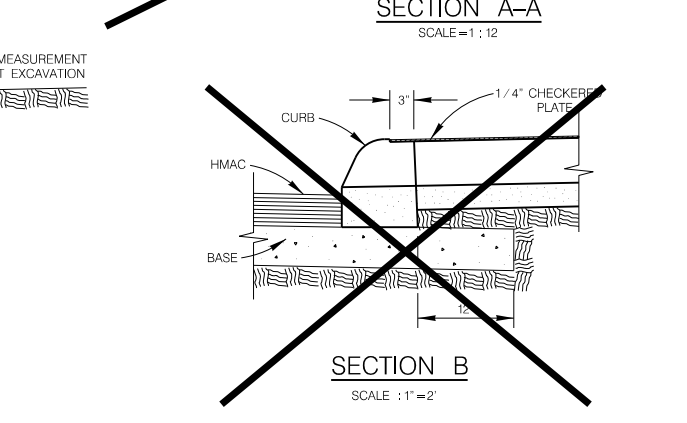
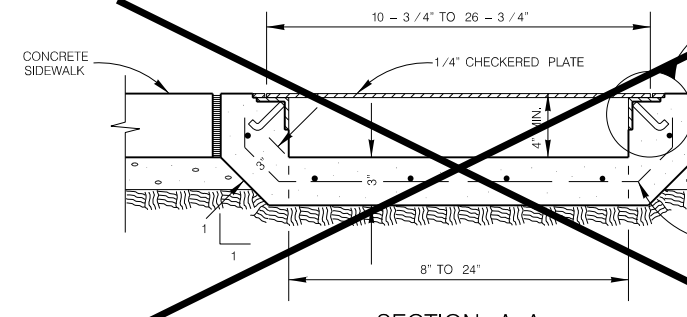
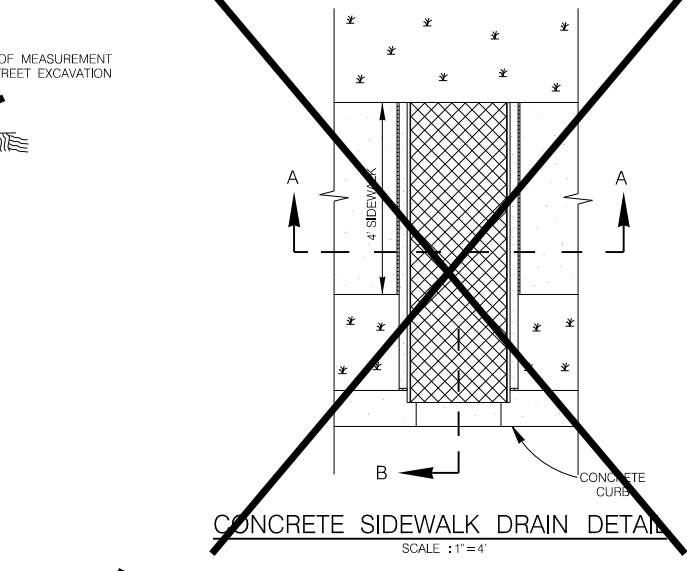
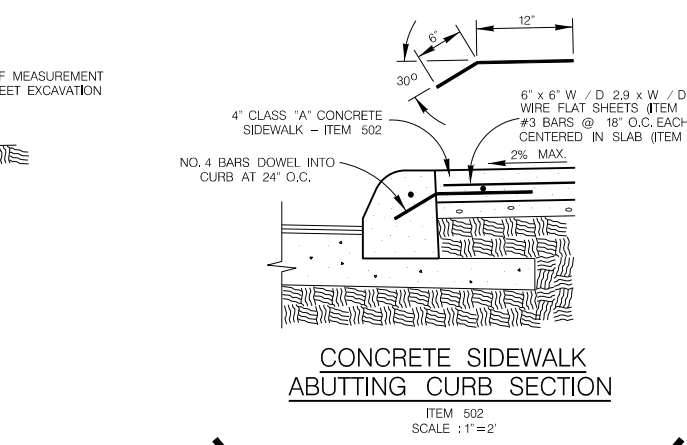
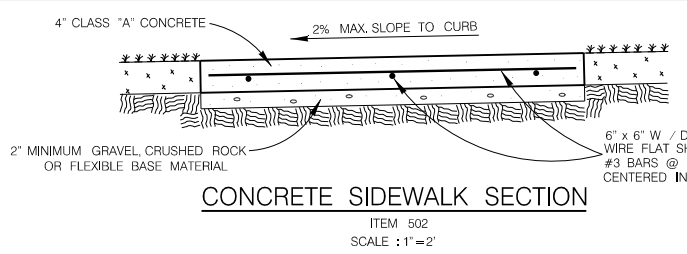
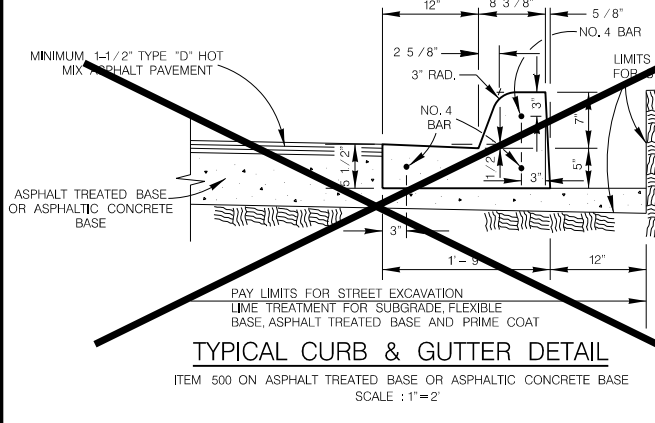
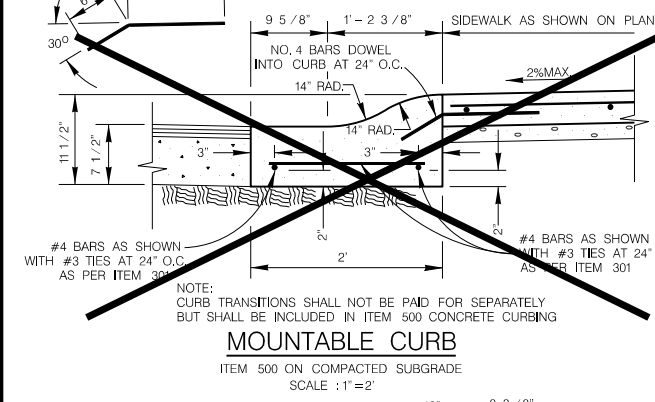
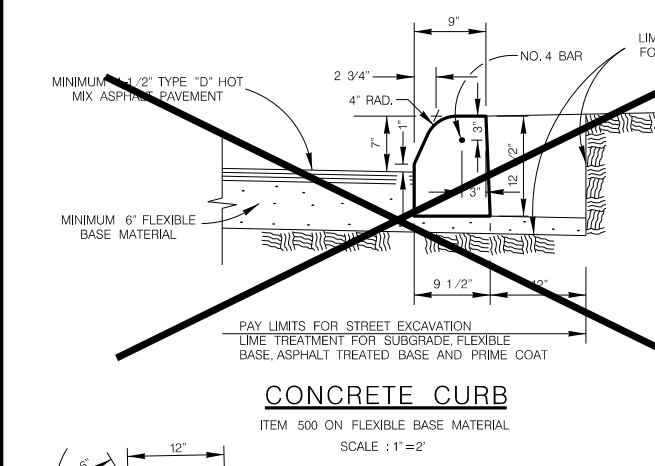
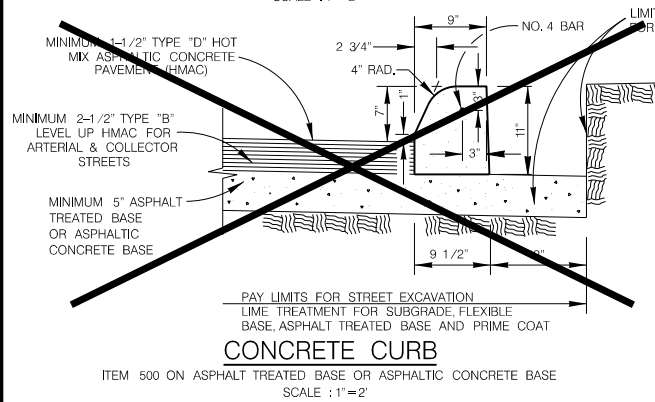
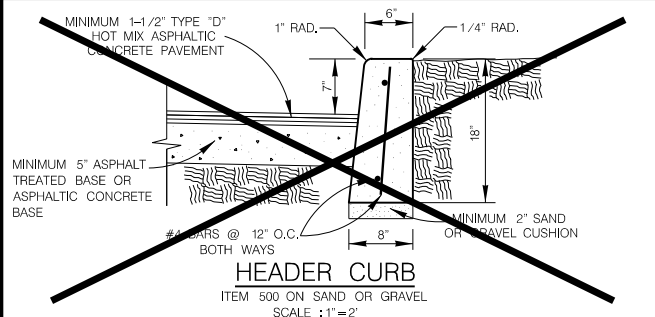
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
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PUBLIC WORKS DEPARTMENT

DOLOROSA  
STA 53+82 TO STA 53+82  
CROSS SECTIONS

|                |              |                 |
|----------------|--------------|-----------------|
| 70 % SUBMITTAL |              | DATE: 1/24/2023 |
| DRWN. BY: JG   | DSGN. BY: JG | CHKD. BY: ST    |
| SHEET NO.: 260 |              |                 |

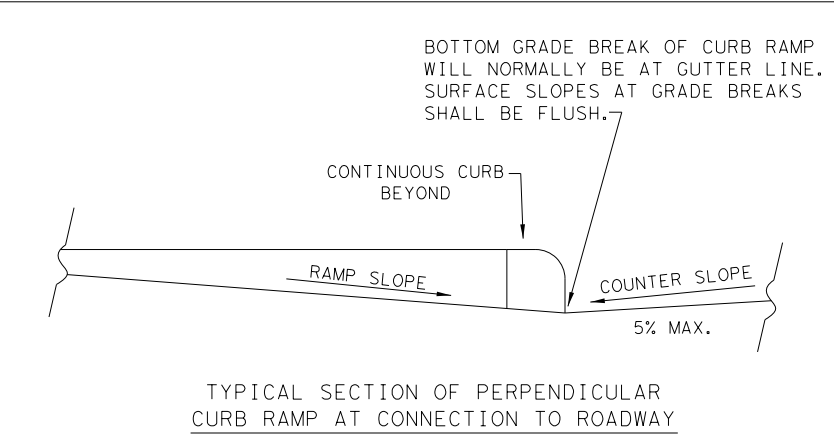
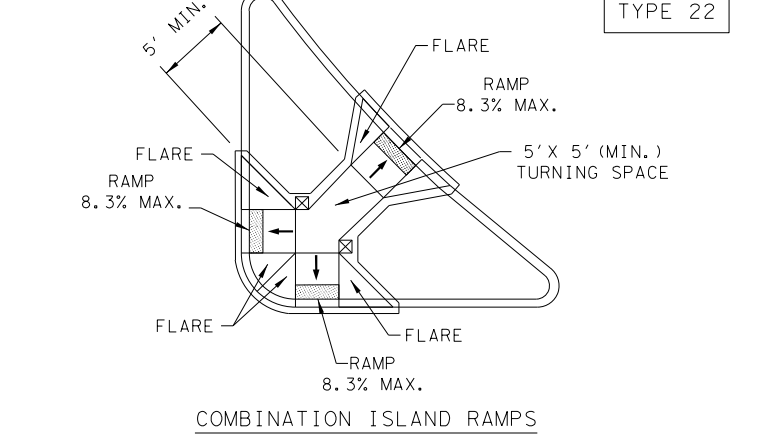
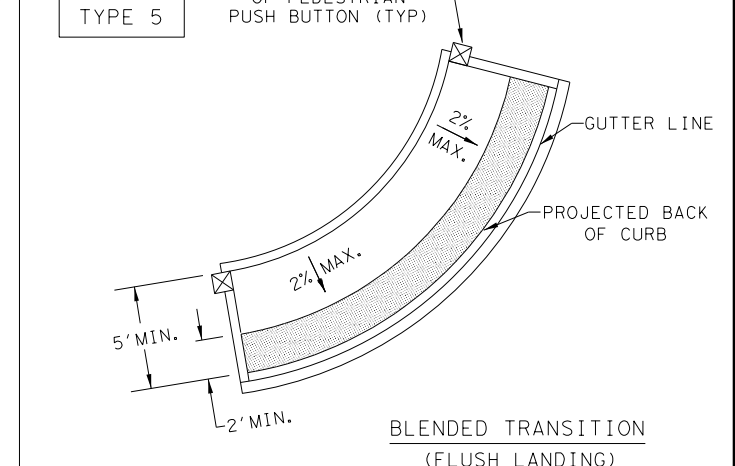
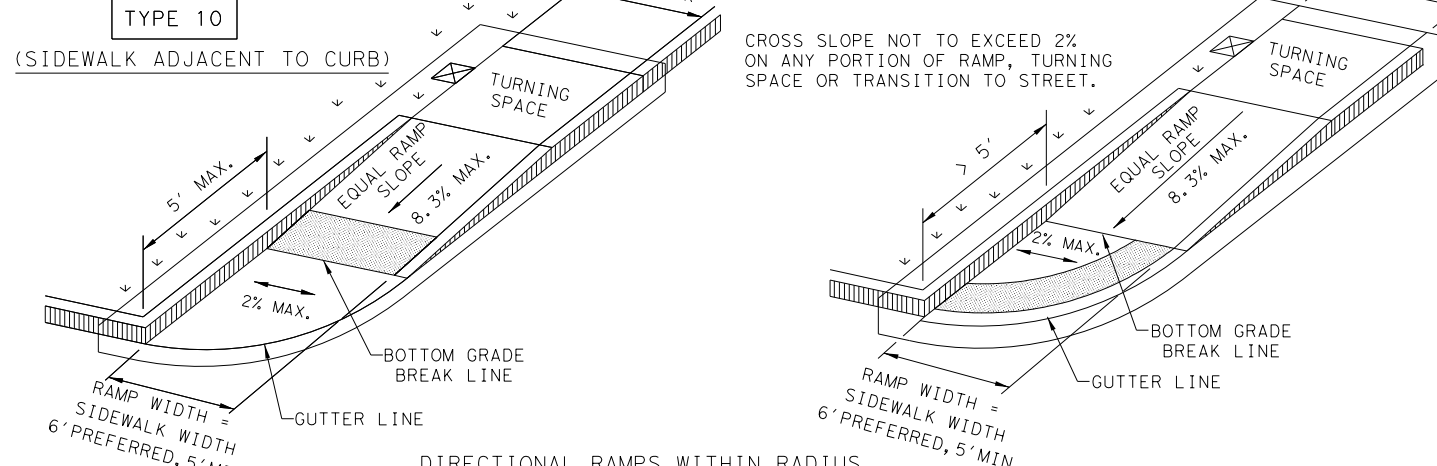
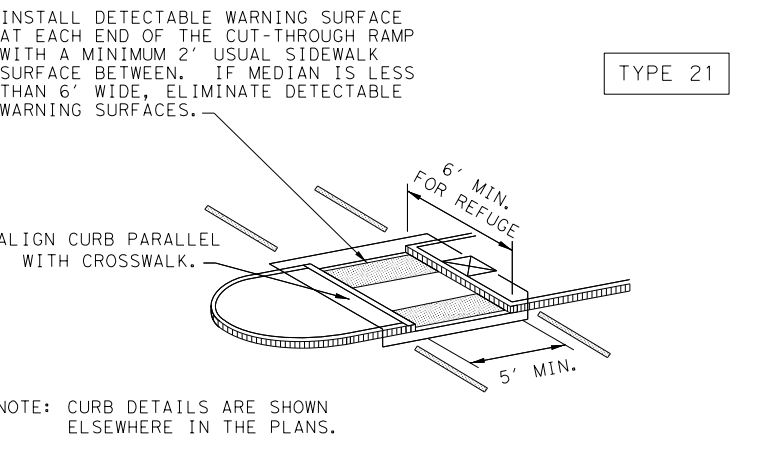
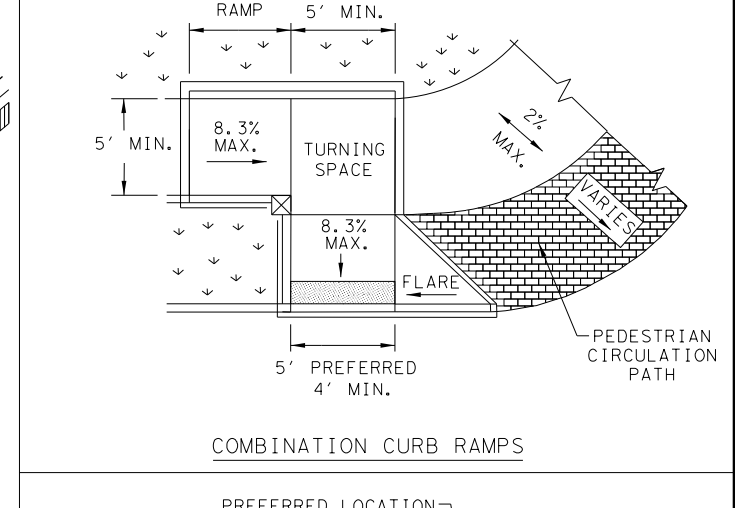
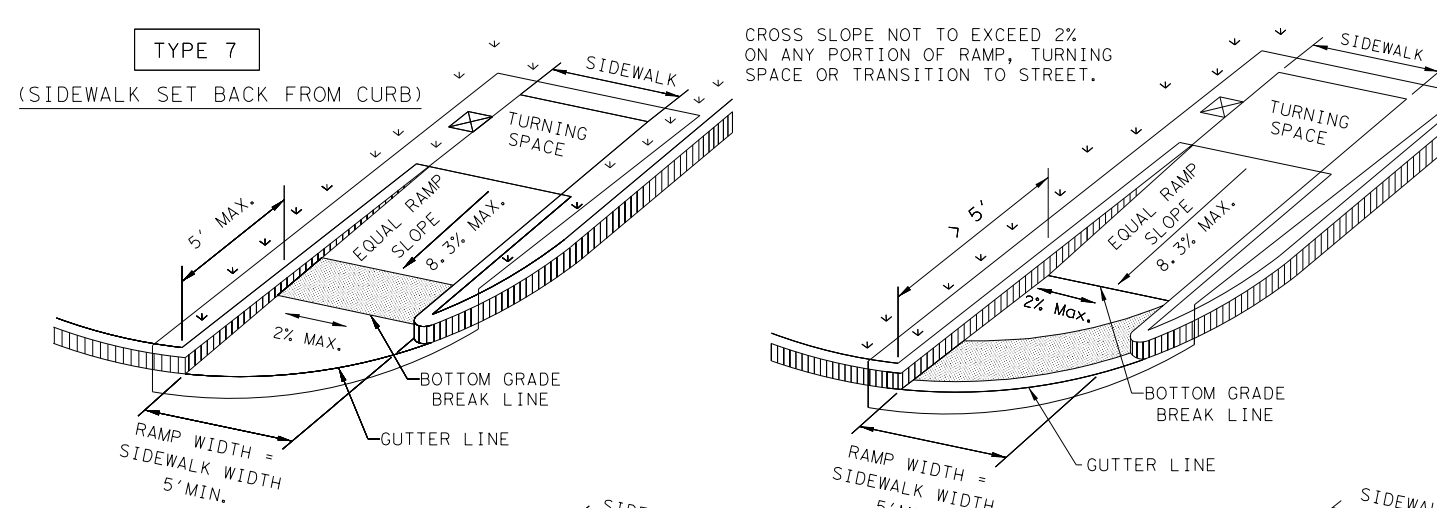
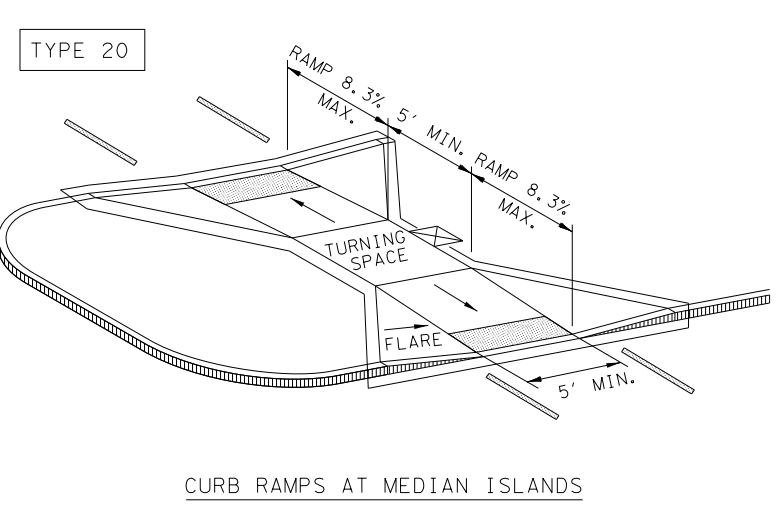
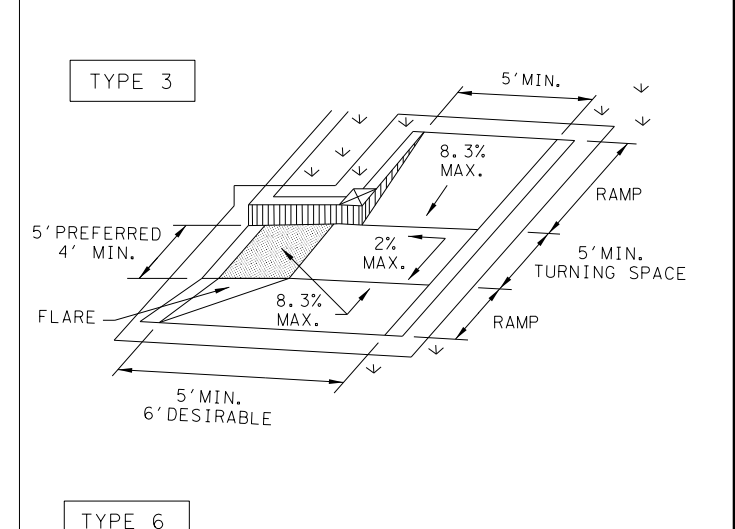
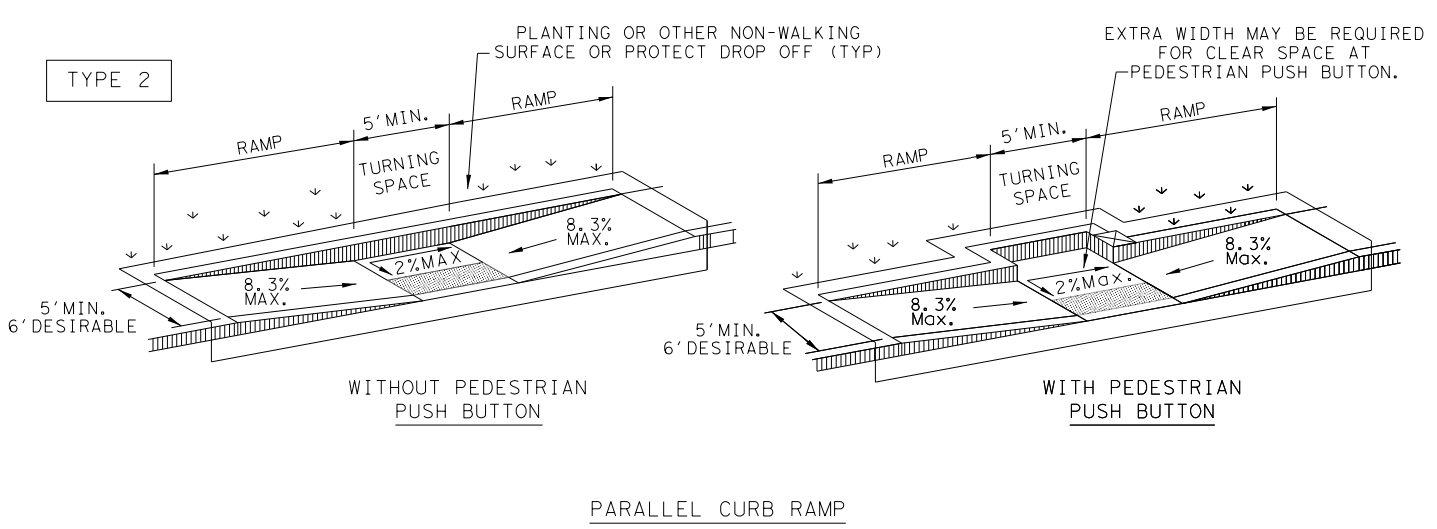
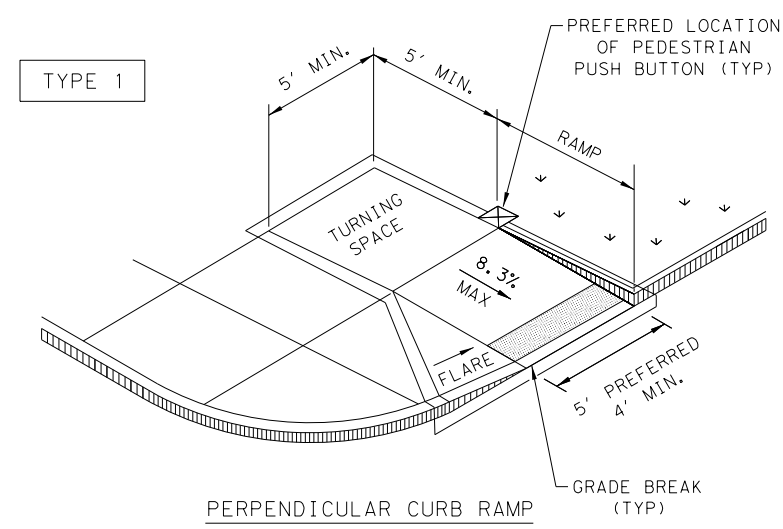


- NOTES :**
1. PLACE STEPS TO CONFORM WITH PROPOSED PARKWAY GRADINGS
  2. 1-1/2" DIA. GALVANIZED STEEL PIPE HANDRAIL REQUIRED ON ONE SIDE OF THE STEPS WHEN 3 OR MORE RISERS ARE USED OR AS DESIGNED BY ENGINEER, TO BE PAID UNDER ITEM 522

**HANDRAIL FOR CONCRETE STEPS**  
ITEM 522

DATE: 1/24/2023  
 FILE: P:\122\27\03\Design\Civil\Standards\Roadway\ped18.dgn

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NOTES / LEGEND:  
 SEE GENERAL NOTES ON SHEET 2 OF 4 FOR MORE INFORMATION.

DENOTES PLANTING OR NON-WALKING SURFACE NOT PART OF PEDESTRIAN CIRCULATION PATH.

DENOTES PREFERRED LOCATION OF PEDESTRIAN PUSH BUTTON IF APPLICABLE.

Detectable Warning Surface

Gutter Line

Grade Break

Ramp Limits of Payment

SHEET 1 OF 4

Design Division Standard

## PEDESTRIAN FACILITIES CURB RAMPS

### PED-18

|                      |           |        |        |             |
|----------------------|-----------|--------|--------|-------------|
| FILE: ped18          | DN: TxDOT | DW: VP | CK: KM | CK: PK & JG |
| © TxDOT: MARCH, 2002 | CONT      | SECT   | JOB    | HIGHWAY     |
| REVISIONS            |           |        |        |             |
| REVISED 08, 2005     |           |        |        |             |
| REVISED 06, 2012     |           |        |        |             |
| REVISED 01, 2018     |           |        |        |             |
| DIST                 | COUNTY    |        |        | SHEET NO.   |
| SAT                  | BEXAR     |        |        | 262         |

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DATE: 1/24/2023  
 FILE: P:\122\27\03\Design\Civil\Standards\Roadway\ped18.dgn

## GENERAL NOTES

### CURB RAMPS

1. Install a curb ramp or blended transition at each pedestrian street crossing.
2. All slopes shown are maximum allowable. Cross slopes of 1.5% and lesser running should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
3. Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
4. The minimum sidewalk width is 5'. Where the sidewalk is adjacent to the back of curb, a 6' sidewalk width is desirable. Where a 5' sidewalk cannot be provided due to site constraints, sidewalk width may be reduced to 4' for short distances. 5' x 5' passing areas at intervals not to exceed 200' are required.
5. Turning Spaces shall be 5' x 5' minimum. Cross slope shall be maximum 2%.
6. Clear space at the bottom of curb ramps shall be a minimum of 4' x 4' wholly contained within the crosswalk and wholly outside the parallel vehicular travel path.
7. Provide flared sides where the pedestrian circulation path crosses the curb ramp. Flared sides shall be sloped at 10% maximum, measured parallel to the curb. Returned curbs may be used only where pedestrians would not normally walk across the ramp, either because the adjacent surface is planted, substantially obstructed, or otherwise protected.
8. Additional information on curb ramp location, design, light reflective value and texture may be found in the latest draft of the Proposed Guidelines for Pedestrian Facilities in the Public Right of Way (PROWAG) as published by the U.S. Architectural and Transportation Barriers Compliance Board (Access Board).
9. To serve as a pedestrian refuge area, the median should be a minimum of 6' wide, measured from back of curbs. Medians should be designed to provide accessible passage over or through them.
10. Small channelization islands, which do not provide a minimum 5' x 5' landing at the top of curb ramps, shall be cut through level with the surface of the street.
11. Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required, curb ramps shall align with theoretical crosswalks unless otherwise directed.
12. Provide curb ramps to connect the pedestrian access route at each pedestrian street crossing. Handrails are not required on curb ramps.
13. Curb ramps and landings shall be constructed and paid for in accordance with Item 531 "Sidewalks".
14. Place concrete at a minimum depth of 5" for ramps, flares and landings, unless otherwise directed.
15. Furnish and install No. 3 reinforcing steel bars at 18" o.c. both ways, unless otherwise directed.
16. Provide a smooth transition where the curb ramps connect to the street.
17. Curbs shown on sheet 1 within the limits of payment are considered part of the curb ramp for payment, whether it is concrete curb, gutter, or combined curb and gutter.
18. Existing features that comply with applicable standards may remain in place unless otherwise shown on the plans.

### DETECTABLE WARNING MATERIAL

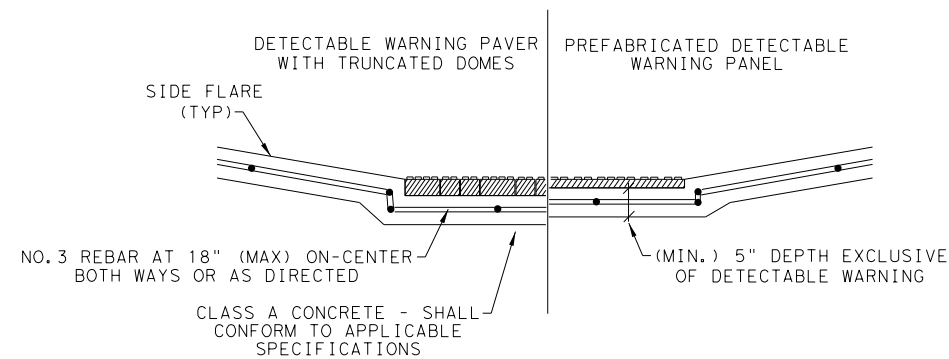
19. Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with PROWAG. The surface must contrast visually with adjoining surfaces, including side flares. Furnish and install an approved cast-in-place dark brown or dark red detectable warning surface material adjacent to uncolored concrete, unless specified elsewhere in the plans.
20. Detectable Warning Materials must meet TxDOT Departmental Materials Specification DMS 4350 and be listed on the Material Producer List. Install products in accordance with manufacturer's specifications.
21. Detectable warning surfaces must be firm, stable and slip resistant.
22. Detectable warning surfaces shall be a minimum of 24 inches in depth in the direction of pedestrian travel, and extend the full width of the curb ramp or landing where the pedestrian access route enters the street.
23. Detectable warning surfaces shall be located so that the edge nearest the curb line is at the back of curb and neither end of that edge is greater than 5 feet from the back of curb. Detectable warning surfaces may be curved along the corner radius.
24. Shaded areas on Sheet 1 of 4 indicate the approximate location for the detectable warning surface for each curb ramp type.

### DETECTABLE WARNING PAVERS (IF USED)

25. Furnish detectable warning paver units meeting all requirements of ASTM C-936, C-33. Lay in a two by two unit basket weave pattern or as directed.
26. Lay full-size units first followed by closure units consisting of at least 25 percent (25%) of a full unit. Cut detectable warning paver units using a power saw.

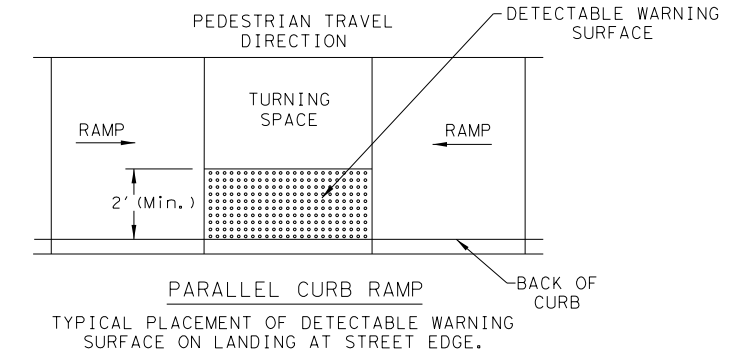
### SIDEWALKS

27. Provide clear ground space at operable parts, including pedestrian push buttons. Operable parts shall be placed within unobstructed reach range specified in PROWAG section R406.
28. Place traffic signal or illumination poles, ground boxes, controller boxes, signs, drainage facilities and other items so as not to obstruct the pedestrian access route or clear ground space.
29. Street grades and cross slopes shall be as shown elsewhere in the plans.
30. Changes in level greater than 1/4 inch are not permitted.
31. The least possible grade should be used to maximize accessibility. The running slope of sidewalks and crosswalks within the public right of way may follow the grade of the parallel roadway. Where a continuous grade greater than five percent (5%) must be provided, handrails may be desirable to improve accessibility. Handrails may also be needed to protect pedestrians from potentially hazardous conditions. If provided, handrails shall comply with PROWAG R409.
32. Handrail extensions shall not protrude into the usable landing area or into intersecting pedestrian routes.
33. Driveways and turnouts shall be constructed and paid for in accordance with Item "Intersections, Driveways and Turnouts". Sidewalks shall be constructed and paid for in accordance with Item, "Sidewalks".
34. Sidewalk details are shown elsewhere in the plans.

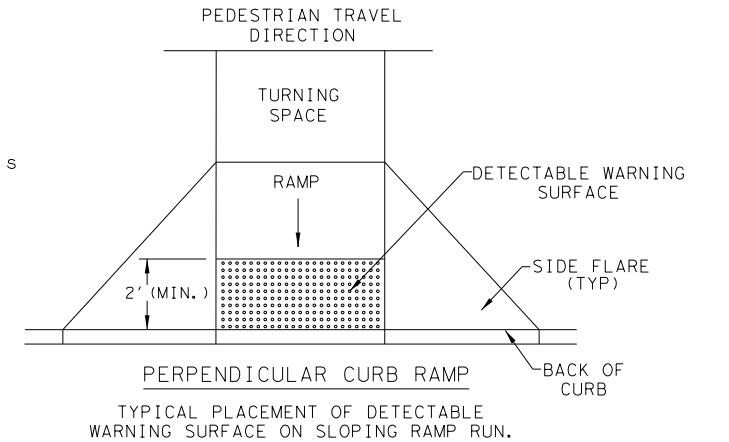


SECTION VIEW DETAIL  
CURB RAMP AT DETECTIBLE WARNINGS

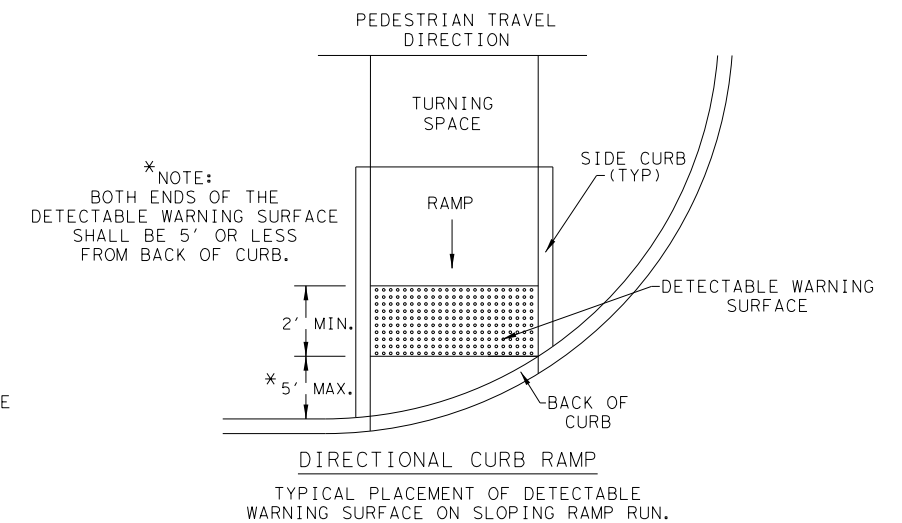
### DETECTABLE WARNING SURFACE DETAILS



PARALLEL CURB RAMP  
TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON LANDING AT STREET EDGE.



PERPENDICULAR CURB RAMP  
TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN.



DIRECTIONAL CURB RAMP  
TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN.

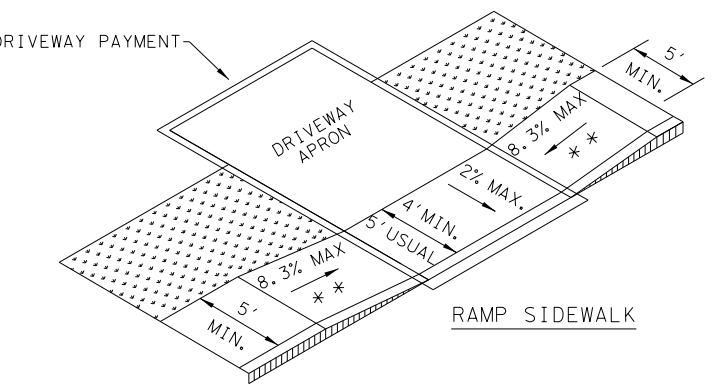
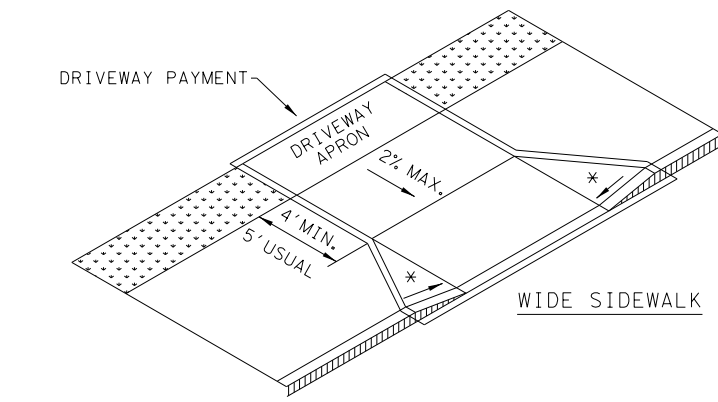
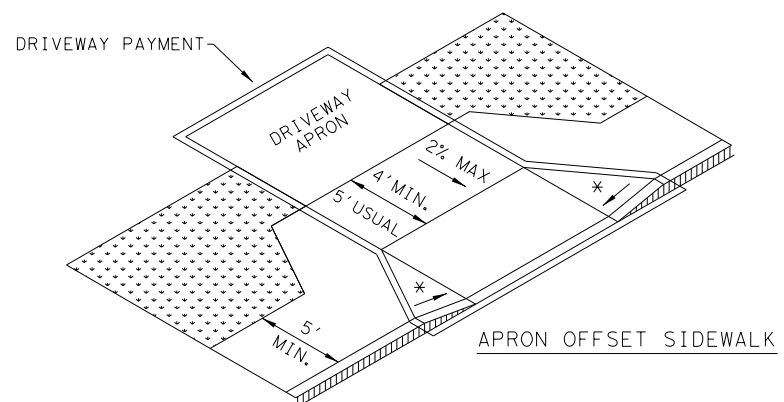
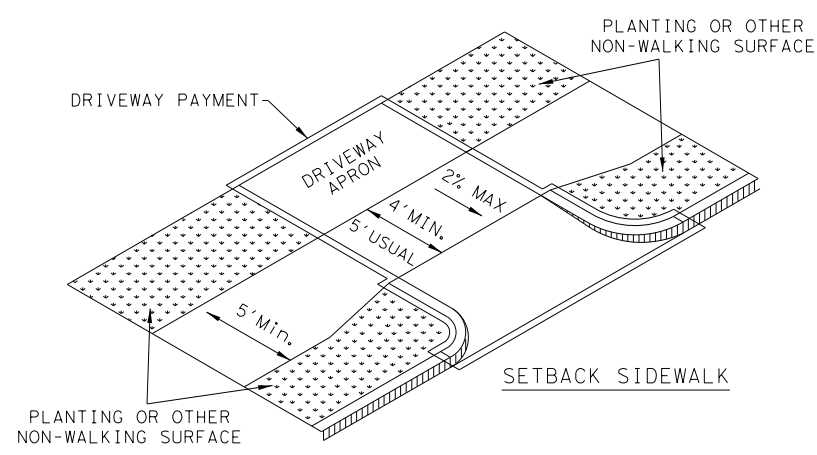
SHEET 2 OF 4

|                                     |           |                                |           |
|-------------------------------------|-----------|--------------------------------|-----------|
| Texas Department of Transportation  |           | Design<br>Division<br>Standard |           |
| PEDESTRIAN FACILITIES<br>CURB RAMPS |           |                                |           |
| PED-18                              |           |                                |           |
| FILE: ped18                         | DN: TxDOT | DW: VP                         | CK: KM    |
| © TxDOT: MARCH, 2002                | CONT      | SECT                           | JOB       |
| REVISIONS                           |           | HIGHWAY                        |           |
| REVISED 08, 2005                    |           |                                | DOLOROSA  |
| REVISED 06, 2012                    | DIST      | COUNTY                         | SHEET NO. |
| REVISED 01, 2018                    | SAT       | BEXAR                          | 263       |

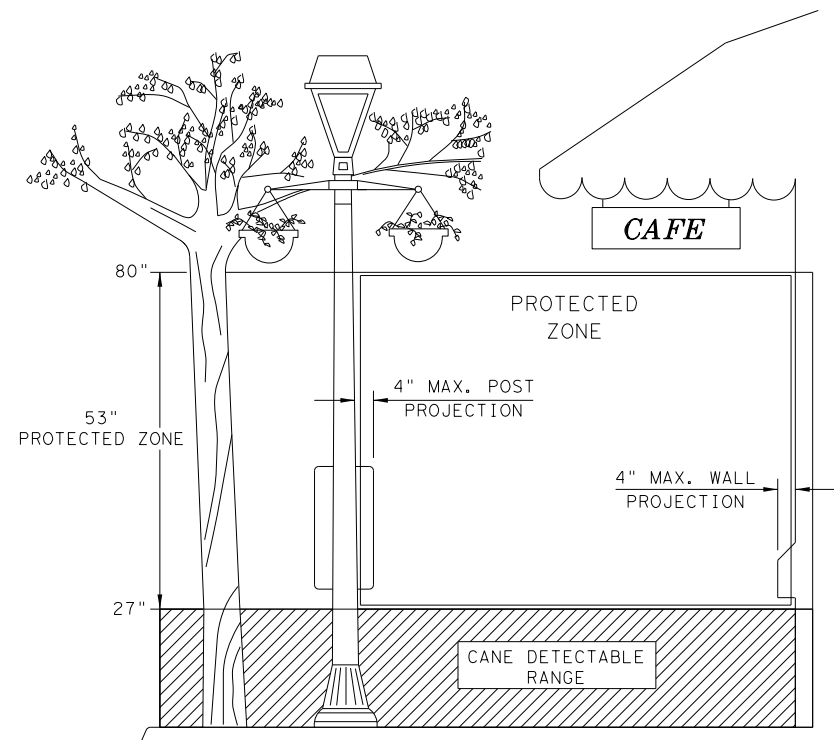
DATE: 1/24/2023  
 FILE: P:\122\27\03\Design\Civil\Standards\Roadway\ped18.dgn

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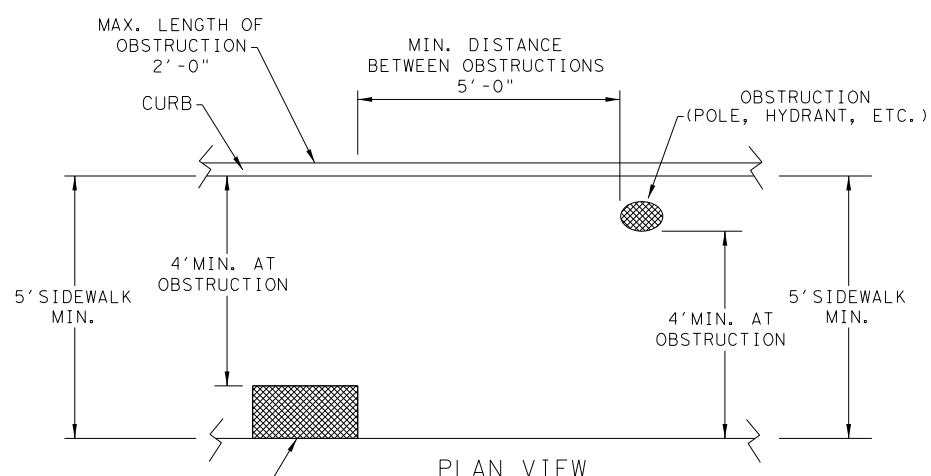
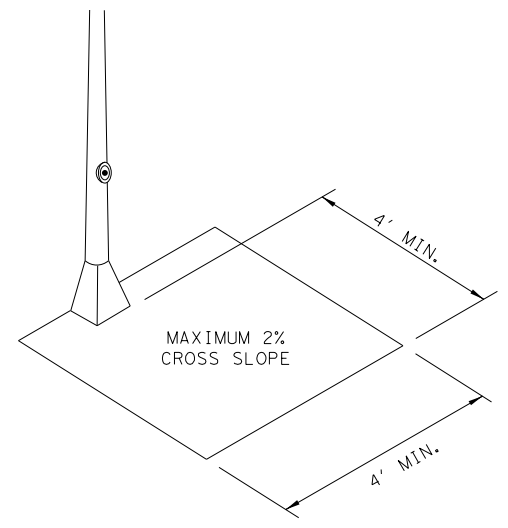
SIDEWALK TREATMENT AT DRIVEWAYS



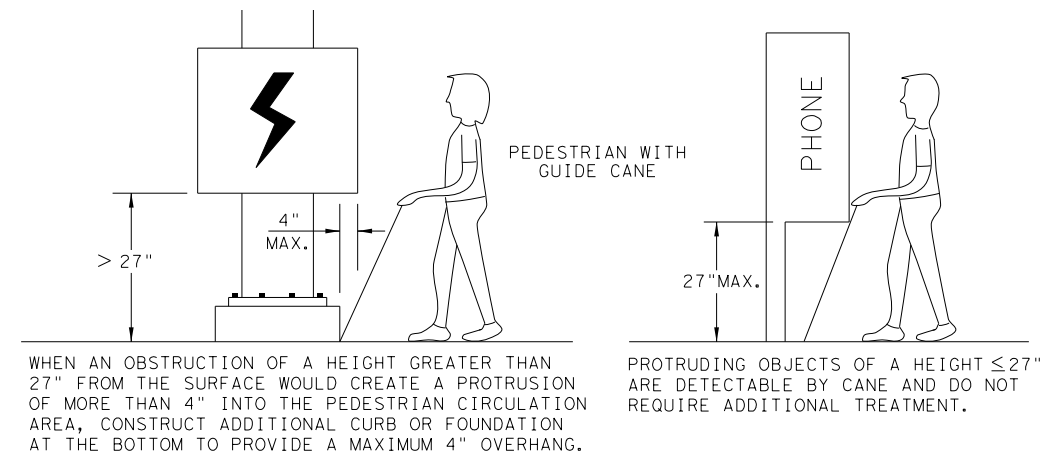
NOTES:  
 \* WHERE DRIVEWAYS CROSS THE PEDESTRIAN ROUTE, SIDES SHALL BE FLARED AT 10% MAX SLOPE.  
 \* \* IF CURB HEIGHT IS GREATER THAN 6 INCHES, USE GRADE LESS THAN OR EQUAL TO 5%. HANDRAIL AND DETECTABLE WARNING ARE NOT REQUIRED.



NOTE: IN PEDESTRIAN CIRCULATION AREA, MAXIMUM 4" PROJECTION FOR POST OR WALL MOUNTED OBJECTS BETWEEN 27" AND 80" ABOVE THE SURFACE.



NOTE: ITEMS NOT INTENDED FOR PUBLIC USE. MINIMUM 4' X 4' CLEAR GROUND SPACE REQUIRED AT PUBLIC USE FIXTURES.



DETECTION BARRIER FOR VERTICAL CLEARANCE < 80"

SHEET 3 OF 4

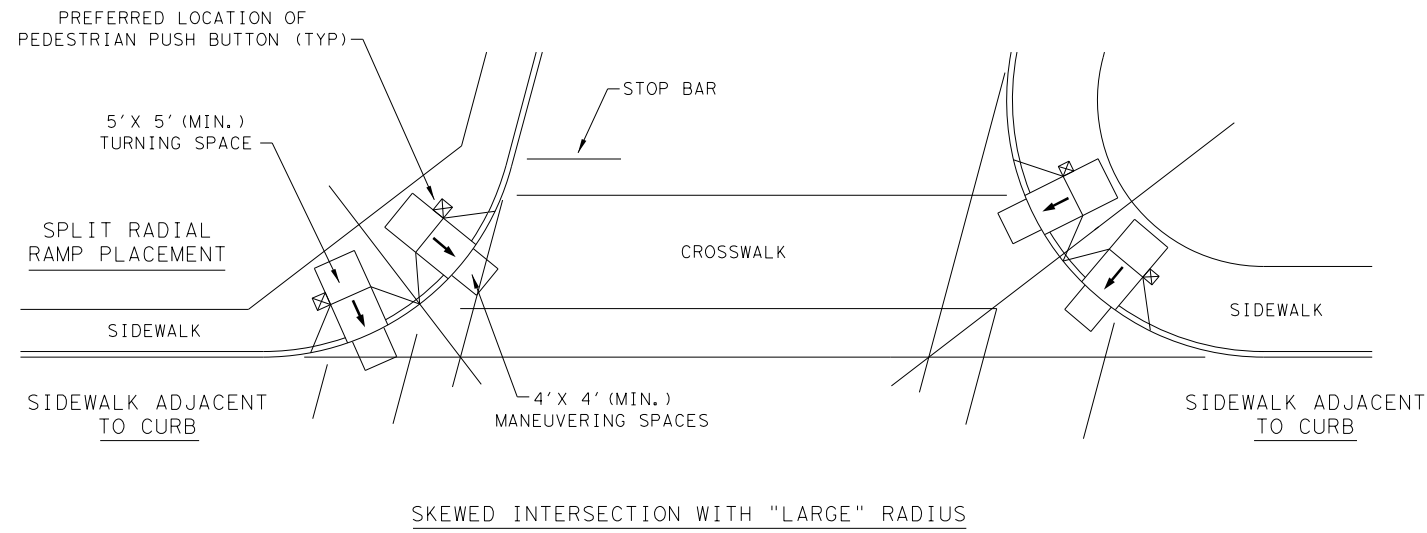
|                                                                       |           |                                 |        |
|-----------------------------------------------------------------------|-----------|---------------------------------|--------|
|                                                                       |           | <b>Design Division Standard</b> |        |
| <h1>PEDESTRIAN FACILITIES</h1> <h2>CURB RAMPS</h2> <h3>PED-18</h3>    |           |                                 |        |
| FILE: ped18                                                           | DN: TxDOT | DW: VP                          | CK: KM |
| © TxDOT: MARCH, 2002                                                  | CONT      | SECT                            | JOB    |
| REVISIONS<br>REVISED 08, 2005<br>REVISED 06, 2012<br>REVISED 01, 2018 |           | HIGHWAY<br><b>DOLOROSA</b>      |        |
| DIST                                                                  | COUNTY    | SHEET NO.                       |        |
| SAT                                                                   | BEXAR     | <b>264</b>                      |        |



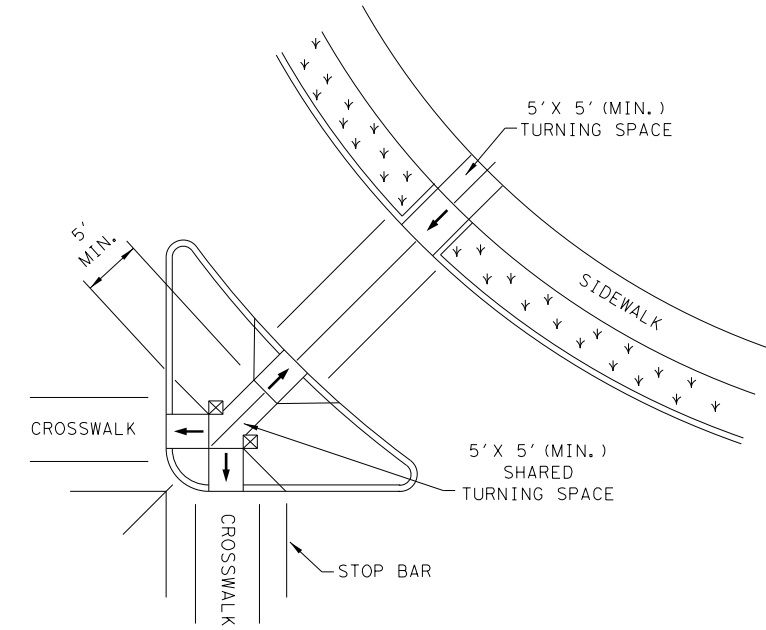
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DATE: 1/24/2023  
 FILE: P:\122\27\03\Design\Civil\Standards\Roadway\ped18.dgn

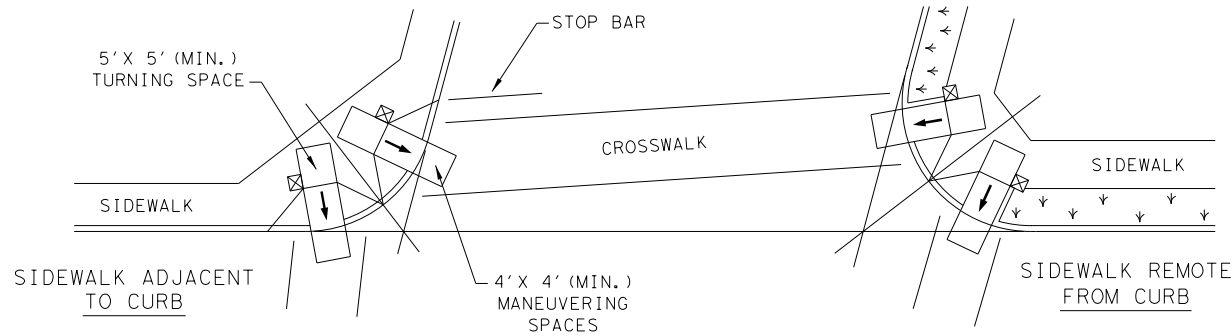
TYPICAL CROSSING LAYOUTS  
 SEE SHEET 1 OF 4 FOR DETAILS AND DIMENSIONS



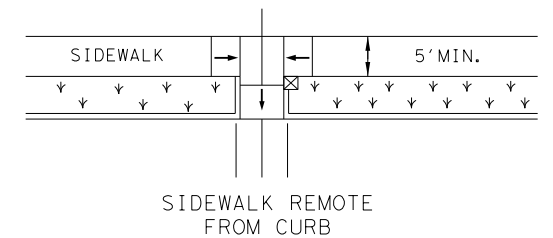
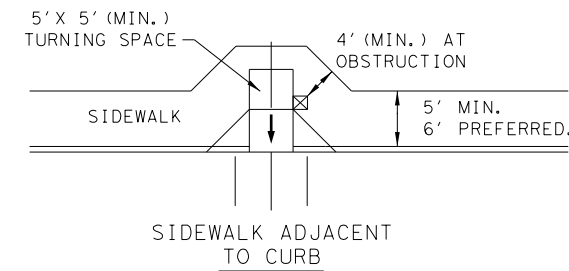
SKewed INTERSECTION WITH "LARGE" RADIUS



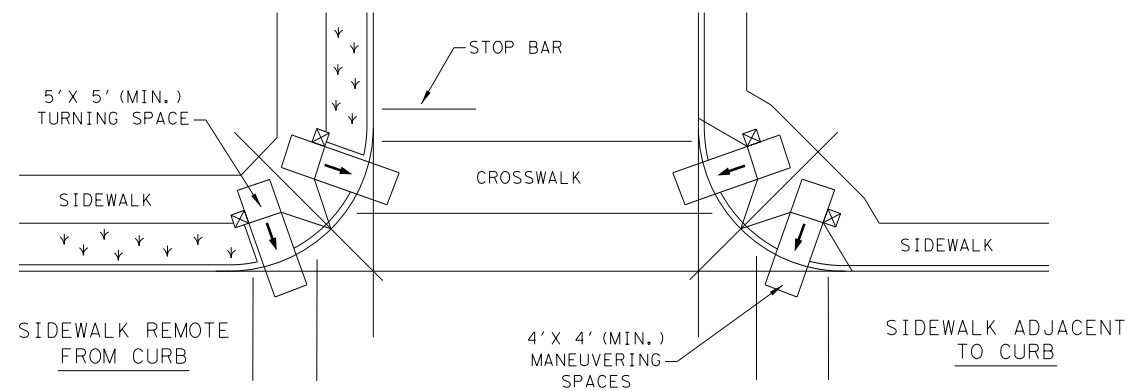
AT INTERSECTION  
 W/FREE RIGHT TURN & ISLAND



SKewed INTERSECTION WITH "SMALL" RADIUS



MID-BLOCK PLACEMENT  
 PERPENDICULAR RAMPS



NORMAL INTERSECTION WITH "SMALL" RADIUS

LEGEND:

SHOWS DOWNWARD SLOPE. →

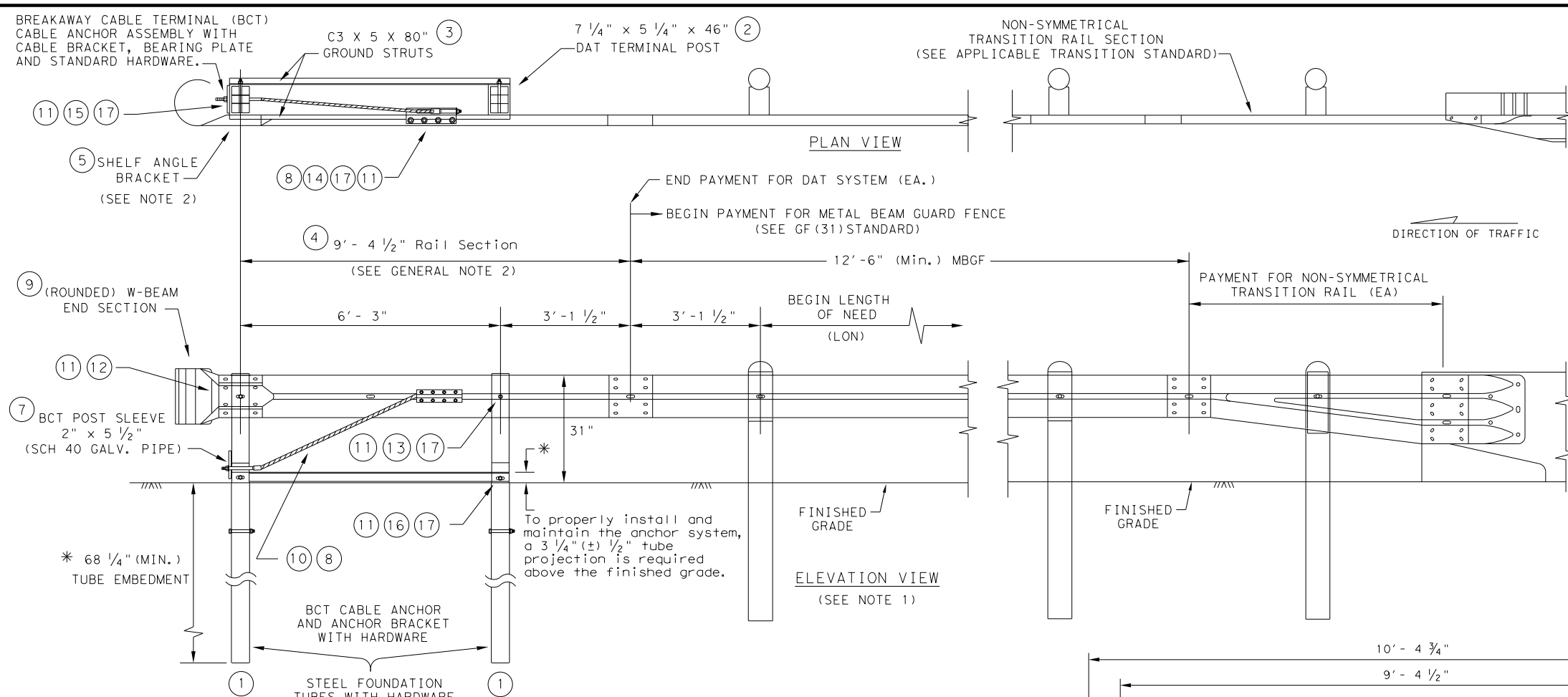
DENOTES PREFERRED LOCATION OF PEDESTRIAN PUSH BUTTON (IF APPLICABLE). ☒

DENOTES PLANTING OR NON-WALKING SURFACE NOT PART OF PEDESTRIAN CIRCULATION PATH. ↙ ↘ ↙ ↘ ↙ ↘

SHEET 4 OF 4

|                                                                    |           |                          |        |
|--------------------------------------------------------------------|-----------|--------------------------|--------|
|                                                                    |           | Design Division Standard |        |
| <h2>PEDESTRIAN FACILITIES</h2> <h3>CURB RAMPS</h3> <h1>PED-18</h1> |           |                          |        |
| FILE: ped18                                                        | DN: TxDOT | DW: VP                   | CK: KM |
| © TxDOT: MARCH, 2002                                               | CONT      | SECT                     | JOB    |
| REVISIONS                                                          |           | DIST COUNTY SHEET NO.    |        |
| REVISED 08, 2005                                                   |           | SAT                      | BEXAR  |
| REVISED 06, 2012                                                   |           |                          | 265    |
| REVISED 01, 2018                                                   |           |                          |        |

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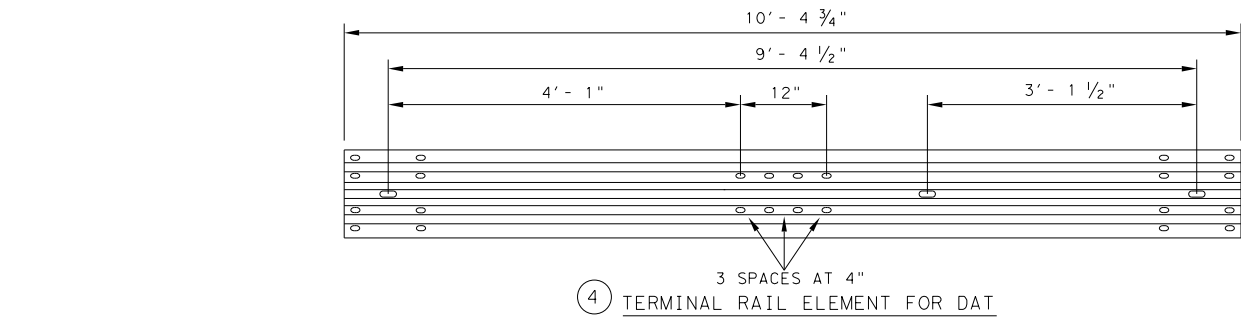
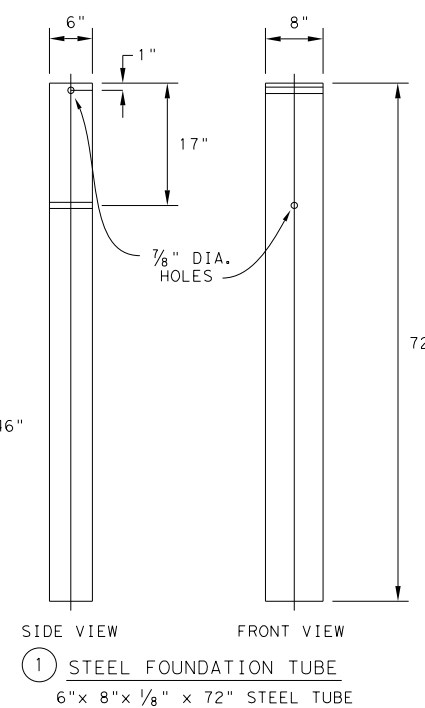
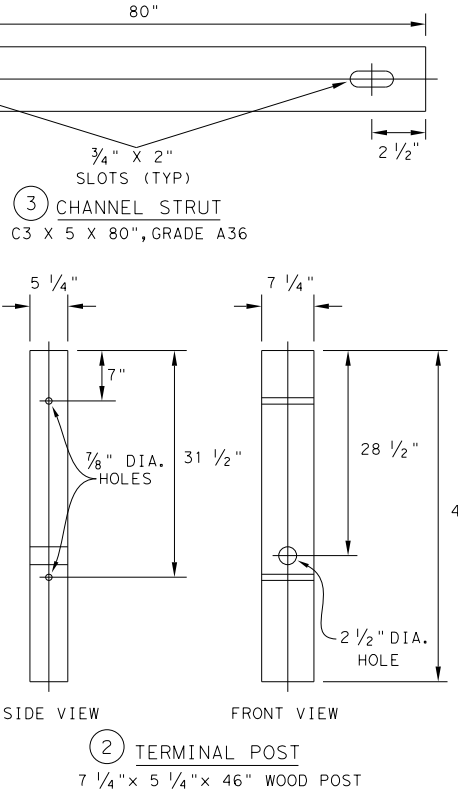
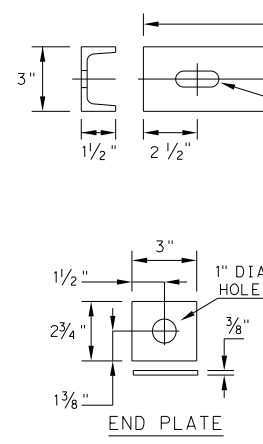
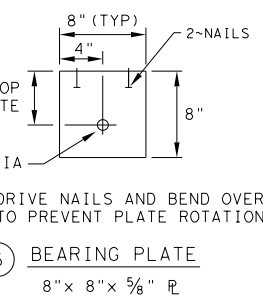
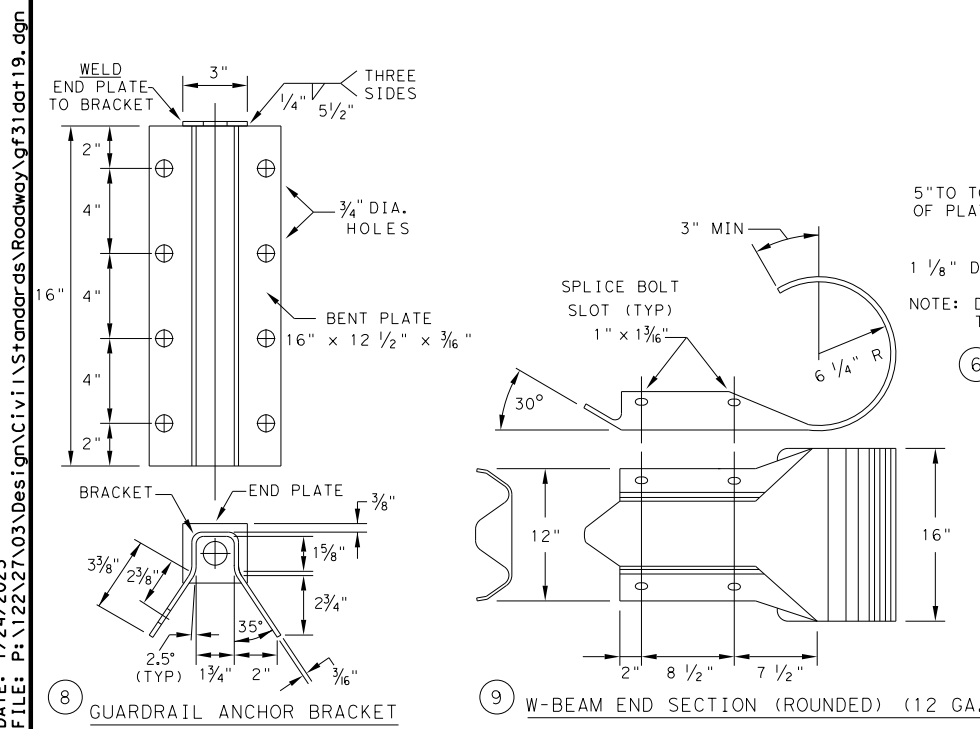
- GENERAL NOTES**
1. THE DETAIL SHOWN IS THE MINIMUM LENGTH OF NEED (LON) FOR A DOWNSTREAM ANCHOR TERMINAL (DAT) CONNECTED TO A CONCRETE RAIL.
  2. THE RAIL SECTION AT THE END POST IS SUPPORTED BY THE SHELF ANGLE BRACKET. THE RAIL ELEMENT IS NOT ATTACHED TO THE END POST.
  3. THE FOUNDATION TUBES SHALL NOT PROJECT MORE THAN 3 3/4" ABOVE THE FINISHED GRADE.
  4. ALL HARDWARE FOR DAT SHALL BE ASTM A307 UNLESS OTHERWISE SHOWN.
  5. REFER TO GF(31) SHEET FOR TERMINAL CONNECTION DETAILS.

**MOW STRIP INSTALLATION**

IF A MOW STRIP IS REQUIRED WITH THE DAT INSTALLATION THE LEAVE-OUT AREA AROUND THE STEEL FOUNDATION TUBES AND THE TWO CHANNEL STRUTS MAY BE OMITTED. THIS WILL REQUIRE A FULL POUR AT THE FOUNDATION TUBES.

**DOWNSTREAM ANCHOR TERMINAL (DAT)**  
 NOTE: ONLY FOR DOWNSTREAM USE, WHEN LOCATED OUTSIDE THE HORIZONTAL CLEARANCE AREA OF OPPOSING TRAFFIC.

| #  | (DAT) PARTS LIST             | QTY |
|----|------------------------------|-----|
| 1  | STEEL FOUNDATION TUBE        | 2   |
| 2  | DAT TERMINAL POST            | 2   |
| 3  | CHANNEL STRUT                | 2   |
| 4  | TERMINAL RAIL ELEMENT        | 1   |
| 5  | SHELF ANGLE BRACKET          | 1   |
| 6  | BCT BEARING PLATE            | 1   |
| 7  | BCT POST SLEEVE              | 1   |
| 8  | GUARDRAIL ANCHOR BRACKET     | 1   |
| 9  | (ROUNDED) W-BEAM END SECTION | 1   |
| 10 | BCT CABLE ANCHOR             | 1   |
| 11 | RECESSED NUT, GUARDRAIL      | 20  |
| 12 | 1 1/4" BUTTON HEAD BOLT      | 4   |
| 13 | 10" BUTTON HEAD BOLT         | 2   |
| 14 | 5/8" X 2" HEX HEAD BOLT      | 8   |
| 15 | 5/8" X 8" HEX HEAD BOLT      | 4   |
| 16 | 5/8" X 10" HEX HEAD BOLT     | 2   |
| 17 | 5/8" FLAT WASHER             | 18  |



**Design Division Standard**

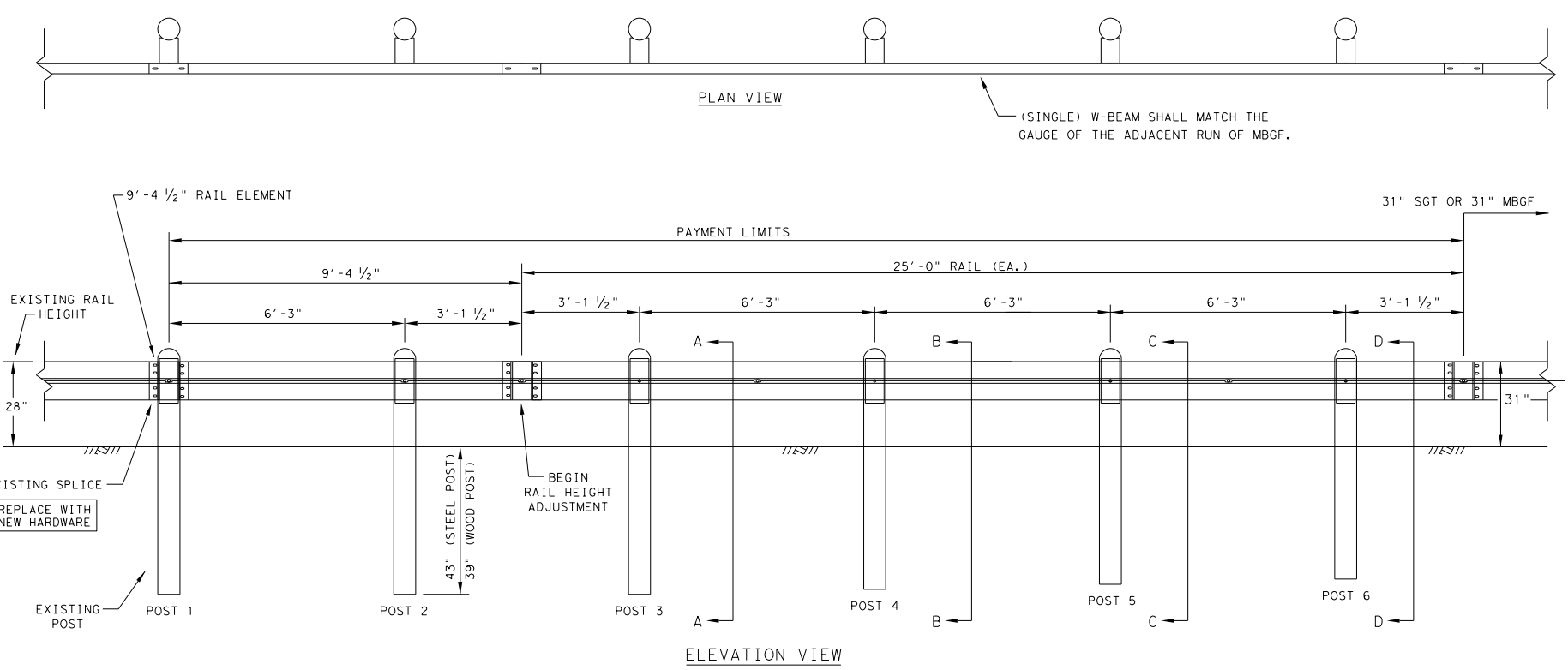
**METAL BEAM GUARD FENCE**  
**(DOWNSTREAM ANCHOR TERMINAL)**  
**TL-3 MASH COMPLIANT**  
**GF(31)DAT-19**

|                       |           |        |           |            |
|-----------------------|-----------|--------|-----------|------------|
| FILE: gf31dot19.dgn   | DN: TXDOT | CK: KM | DW: VP    | CK: CGL/AG |
| ©TXDOT: NOVEMBER 2019 | CONT      | SECT   | JOB       | HIGHWAY    |
| REVISIONS             |           |        |           |            |
|                       | DIST      | COUNTY | SHEET NO. |            |
|                       | SAT       | BEXAR  | 266       |            |

DATE: 1/24/2023  
 FILE: P:\122\2103\Design\Civil\Standards\Roadway\gf31dot19.dgn

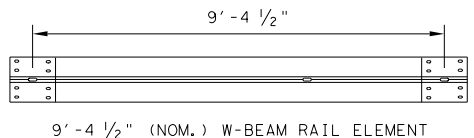
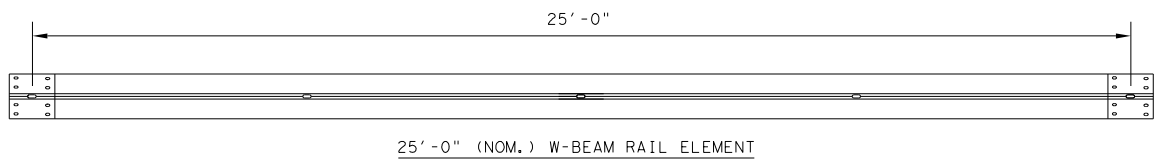
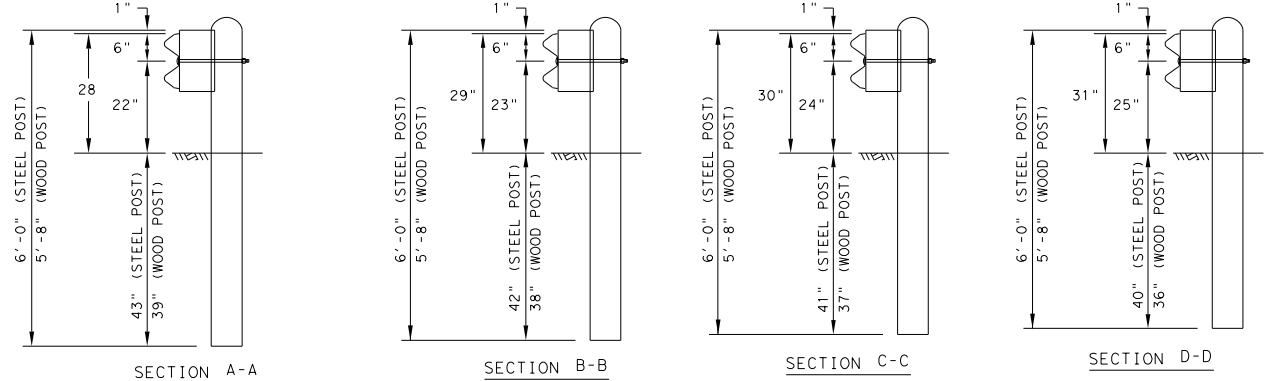
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DATE: 1/24/2023  
 FILE: P:\1122\27\03\Design\Civil\Standards\Roadway\ra11ad\j019.dgn



- GENERAL NOTES**
1. THE TYPE OF POST (ROUND WOOD POST, RECTANGULAR WOOD POST, OR STEEL POST) WILL BE AS SHOWN IN THE PLANS. THE EXACT POSITION OF MBGF SHALL BE AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. STEEL POSTS TO BE GALVANIZED IN ACCORDANCE WITH ITEM 445, "GALVANIZING."
  2. RAIL ELEMENT SHALL MEET THE REQUIREMENTS OF ITEM 540, "METAL BEAM GUARD FENCE" EXCEPT AS MODIFIED IN THE PLANS. THE CONTRACTOR MAY FURNISH RAIL ELEMENTS OF 25'-0", OR 12'-6" (NOM.) LENGTHS. RAIL ELEMENTS MAY HAVE SLOTTED HOLES AT 3'-1 1/2" C-C OR 6'-3" C-C. A SPECIAL LENGTH OF RAIL MAY BE MANUFACTURED TO ACCOMMODATE THE TRANSITION SECTIONS OF GUARDRAIL.
  3. BUTTON HEAD "POST" BOLTS (ASTM A307) SHALL BE OF SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT (ASTM A563) AND 5/8" ROUND WASHER (ASTM F436) AND NOT MORE THAN 1" BEYOND IT. BUTTON HEAD "SPlice" BOLTS (ASTM A307) ARE 5/8" X 1-1/4" WITH 5/8" NUTS (ASTM A563).
  4. FITTINGS (BOLTS, NUTS, AND WASHERS) SHALL BE GALVANIZED IN ACCORDANCE WITH ITEM 445, "GALVANIZING." FITTINGS SHALL BE SUBSIDIARY TO THE BID ITEM REQUIRING CONSTRUCTION OF THE TRANSITION.
  5. CROWN SHALL BE WIDENED TO ACCOMMODATE THE METAL BEAM GUARD FENCE.
  6. THE LATERAL APPROACH TO THE GUARD FENCE, SHALL HAVE A MAXIMUM SLOPE OF 1V:10H.
  7. IF SHOWN ELSEWHERE IN THE PLANS OR AS DIRECTED BY THE ENGINEER, THE GUARD FENCE MAY BE FLARED AT A RATE OF 25:1 OR FLATTER.
  8. APPLICATIONS IN SOLID ROCK ARE ONLY ALLOWED WITH STEEL POSTS. SEE GF(31) STANDARD FOR INSTALLATION GUIDANCE.
  9. POSTS SHALL NOT BE SET IN CONCRETE.
  10. UNLESS OTHERWISE SHOWN IN THE PLANS, A COMPOSITE MATERIAL BLOCK THAT MEETS THE REQUIREMENTS OF DMS-7210, "COMPOSITE MATERIAL POSTS AND BLOCKS FOR METAL BEAM GUARD FENCE" MAY BE SUBSTITUTED FOR BLOCKS OF SIMILAR DIMENSIONS. THE CONSTRUCTION DIVISION, TxDOT MAINTAINS A MATERIAL PRODUCER LIST (MPL) FOR PRODUCERS OF MATERIALS CONFORMING TO DMS-7210. ONLY PRODUCERS ON THE MPL MAY FURNISH COMPOSITE MATERIAL BLOCKS.
  11. REFER TO STANDARD GF(31) FOR ADDITIONAL DETAILS.
  12. RAIL HEIGHT ADJUSTMENT IS ASSESSED AT TL-3 MASH COMPLIANT FOR STEEL POST HEIGHT TRANSITION TO 28" STEEL POST GUARDRAIL.

\* "WOOD" INDICATES DIMENSIONS FOR BOTH ROUND AND RECTANGULAR WOOD POST SYSTEMS.

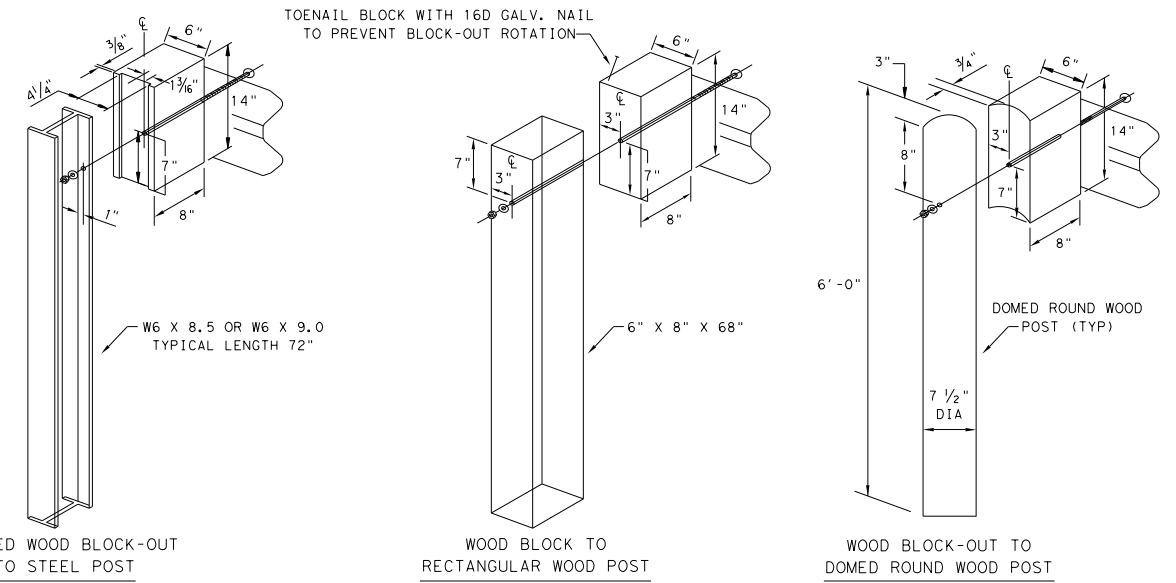


| HARDWARE LIST |                                                                                    |
|---------------|------------------------------------------------------------------------------------|
| QTY           | DESCRIPTION                                                                        |
| 1             | 9'-4 1/2" W-BEAM RAIL ELEMENT 12GA.                                                |
| 1             | 25'-0" W-BEAM RAIL ELEMENT 12GA. (TYP)                                             |
| 6             | 7 1/2" DIA X 6'-0" DOMED ROUND WOOD POSTS (TYP)                                    |
| 6             | 6" X 8" X 68" RECTANGULAR WOOD POSTS (TYP)                                         |
| 6             | W6 X 8.5 OR W6 X 9 X 72" STEEL POSTS (TYP)                                         |
| 6             | 6" X 8" X 14" WOOD BLOCKS OR COMPOSITE (TYP)                                       |
| 6             | 5/8" X 18" GUARDRAIL BOLTS WITH NUTS (FBB04)                                       |
| 6             | 5/8" ROUND WASHERS (ASTM F436) (FWC16a)                                            |
| 6             | 5/8" X 10" GUARDRAIL BOLTS WITH NUTS (FBB03)                                       |
| 24            | 5/8" X 1-1/4" GUARDRAIL SPLICE BOLTS WITH DOUBLE RECESSED NUTS (ASTM A563) (FBB01) |

POST AND BLOCK-OUT TYPES AVAILABLE

FOR WOOD POST

FOR STEEL POST



NOTE: HARDWARE SHALL MEET THE FOLLOWING REQUIREMENTS.

GUARDRAIL POST BOLTS (ASTM A307 GR.A)  
 GUARDRAIL ROUND WASHERS (ASTM F436)  
 GUARDRAIL DOUBLE RECESSED NUTS (ASTM A563)  
 GUARDRAIL SPLICE BOLTS (ASTM A307 GR.A)  
 GUARDRAIL SPLICE NUTS (ASTM A563)

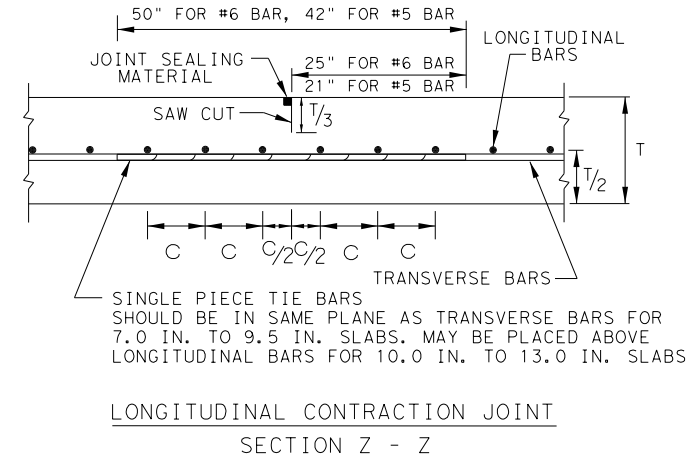
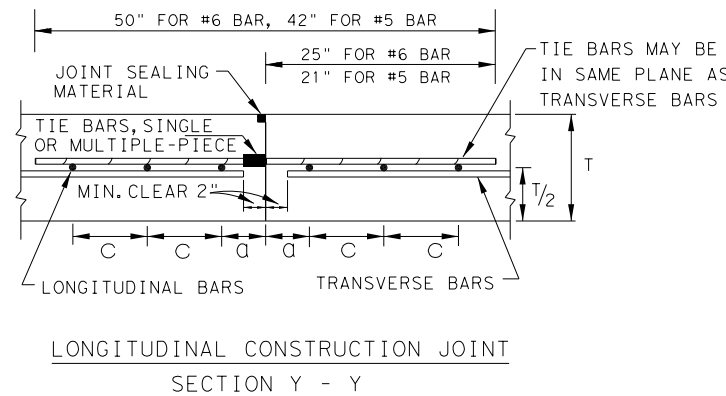
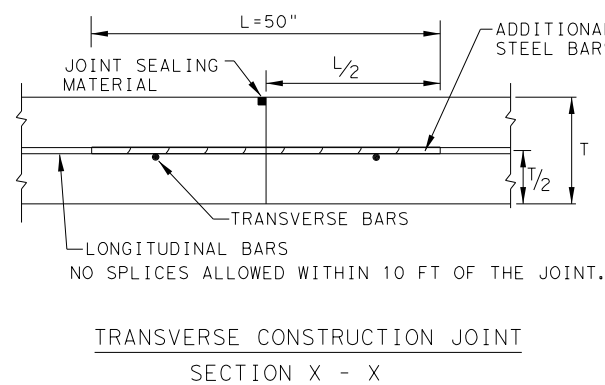
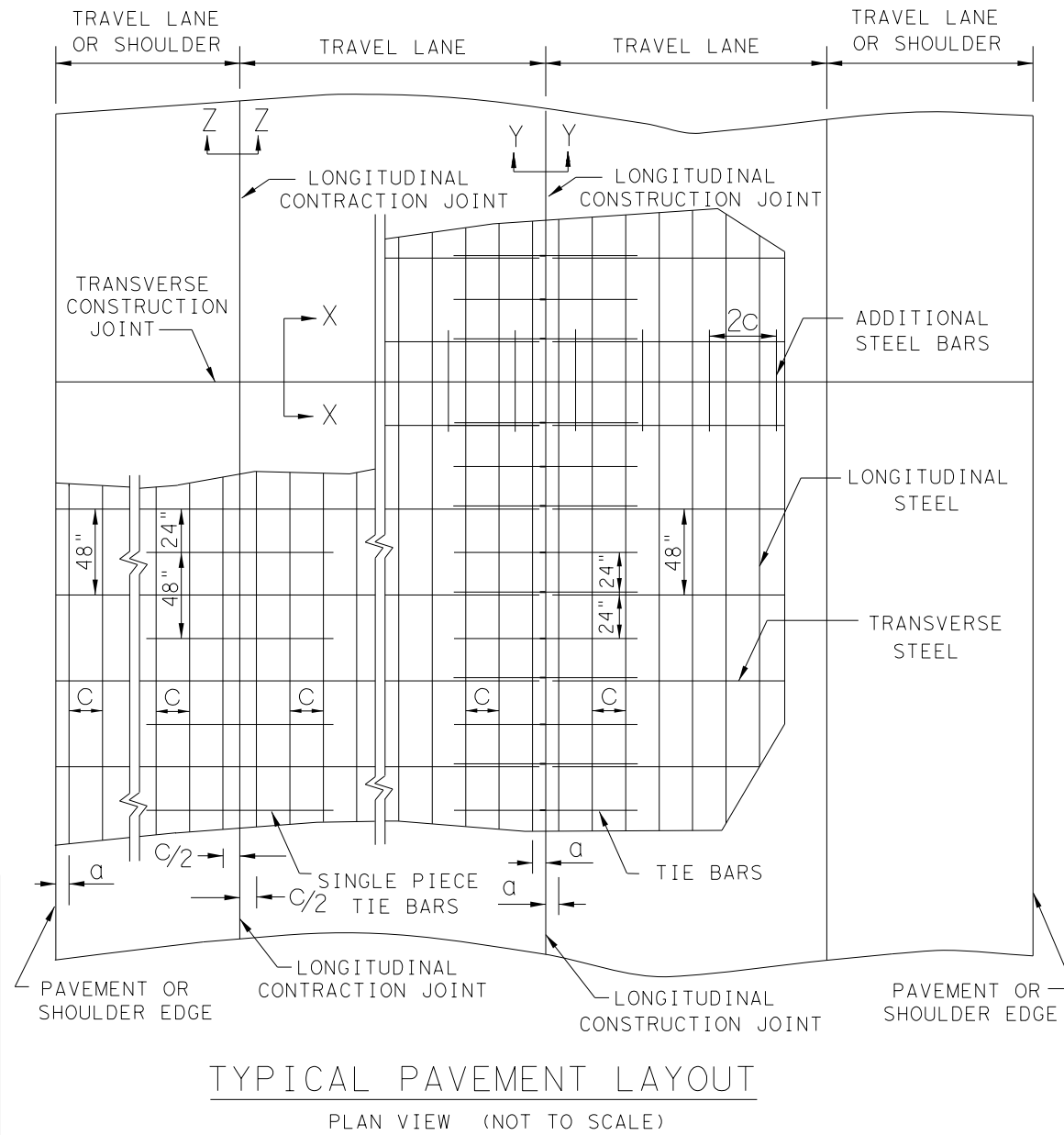
|                                                                                                                                                          |           |                                 |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------|--------|
|                                                                                                                                                          |           | <b>Design Division Standard</b> |        |
| <b>METAL BEAM GUARD FENCE<br/>         RAIL HEIGHT ADJUSTMENT<br/>         (28" TO 31")<br/>         TL-3 MASH COMPLIANT<br/>         RAIL-ADJ(A)-19</b> |           |                                 |        |
| FILE: ra11ad\j019                                                                                                                                        | DN: TxDOT | CK: KM                          | DW: VP |
| ©TxDOT: NOVEMBER 2019                                                                                                                                    | CONT      | SECT                            | JOB    |
| REVISIONS                                                                                                                                                |           | DOLOROSA                        |        |
| DIST                                                                                                                                                     | COUNTY    | SHEET NO.                       |        |
| SAT                                                                                                                                                      | BEXAR     | <b>267</b>                      |        |

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 FILE: P:\122\27\03\Design\Civil\Standards\Roadway\rcrp120.dgn

| TABLE NO.1 LONGITUDINAL STEEL |          |                    |                                |                                                                      |                |
|-------------------------------|----------|--------------------|--------------------------------|----------------------------------------------------------------------|----------------|
| SLAB THICKNESS AND BAR SIZE   |          | REGULAR STEEL BARS | FIRST SPACING AT EDGE OR JOINT | ADDITIONAL STEEL BARS AT TRANSVERSE CONSTRUCTION JOINT (SECTION X-X) |                |
| T (IN.)                       | BAR SIZE | SPACING C (IN.)    | SPACING a (IN.)                | SPACING 2 X C (IN.)                                                  | LENGTH L (IN.) |
| 7.0                           | #5       | 6.5                | 3 TO 4                         | 13                                                                   | 50             |
| 7.5                           | #5       | 6.0                | 3 TO 4                         | 12                                                                   | 50             |
| 8.0                           | #6       | 9.0                | 3 TO 4                         | 18                                                                   | 50             |
| 8.5                           | #6       | 8.5                | 3 TO 4                         | 17                                                                   | 50             |
| 9.0                           | #6       | 8.0                | 3 TO 4                         | 16                                                                   | 50             |
| 9.5                           | #6       | 7.5                | 3 TO 4                         | 15                                                                   | 50             |
| 10.0                          | #6       | 7.0                | 3 TO 4                         | 14                                                                   | 50             |
| 10.5                          | #6       | 6.75               | 3 TO 4                         | 13.5                                                                 | 50             |
| 11.0                          | #6       | 6.5                | 3 TO 4                         | 13                                                                   | 50             |
| 11.5                          | #6       | 6.25               | 3 TO 4                         | 12.5                                                                 | 50             |
| 12.0                          | #6       | 6.0                | 3 TO 4                         | 12                                                                   | 50             |
| 12.5                          | #6       | 5.75               | 3 TO 4                         | 11.5                                                                 | 50             |
| 13.0                          | #6       | 5.5                | 3 TO 4                         | 11                                                                   | 50             |

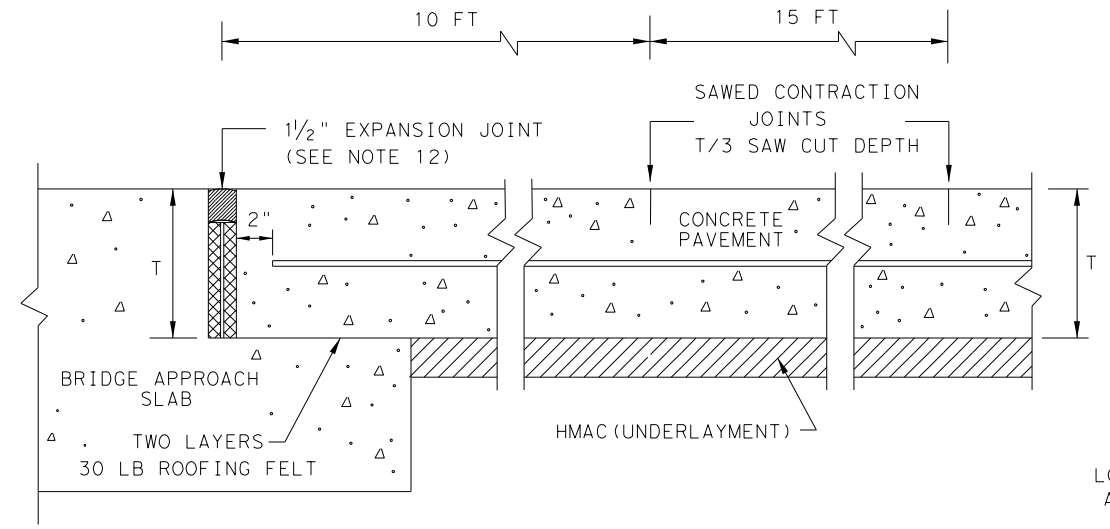
| TABLE NO.2 TRANSVERSE STEEL AND TIE BARS |                  |               |                                                          |               |                                                          |               |
|------------------------------------------|------------------|---------------|----------------------------------------------------------|---------------|----------------------------------------------------------|---------------|
| SLAB THICKNESS (IN.)                     | TRANSVERSE STEEL |               | TIE BARS AT LONGITUDINAL CONTRACTION JOINT (SECTION Z-Z) |               | TIE BARS AT LONGITUDINAL CONTRACTION JOINT (SECTION Y-Y) |               |
|                                          | BAR SIZE         | SPACING (IN.) | BAR SIZE                                                 | SPACING (IN.) | BAR SIZE                                                 | SPACING (IN.) |
| 7.0 - 7.5                                | #5               | 48            | #5                                                       | 48            | #5                                                       | 24            |
| 8.0 - 13.0                               | #5               | 48            | #6                                                       | 48            | #6                                                       | 24            |



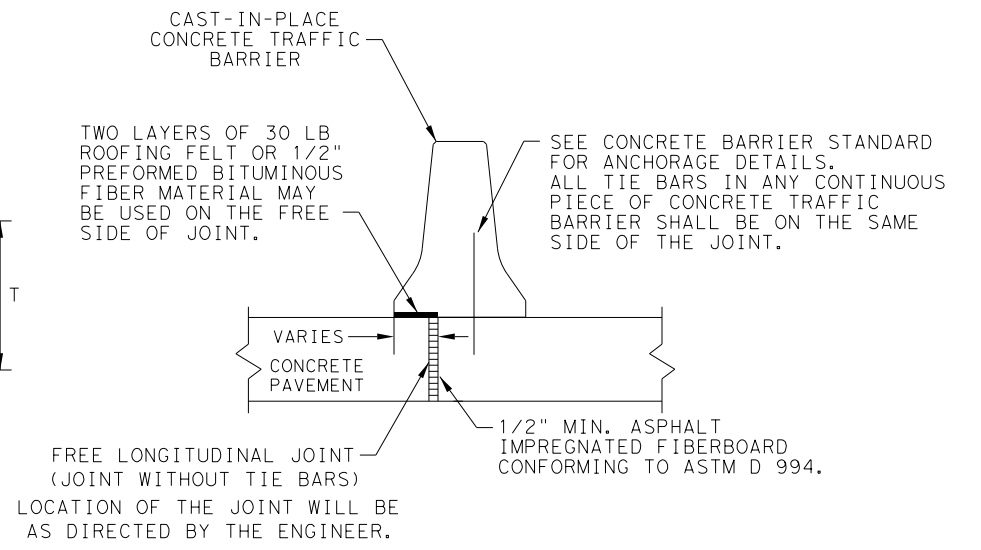
|                                                                                                                                               |           |                          |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------|-----------|
|                                                                                                                                               |           | Design Division Standard |           |
| <b>CONTINUOUSLY REINFORCED CONCRETE PAVEMENT</b><br><b>ONE LAYER STEEL BAR PLACEMENT</b><br><b>T - 7 to 13 INCHES</b><br><b>CRCP (1) - 20</b> |           |                          |           |
| FILE: crcp120.dgn                                                                                                                             | DN: TxDOT | CK: KM                   | DW: AN    |
| © TxDOT: APRIL 2020                                                                                                                           | CONT      | SECT                     | JOB       |
| 10/10/2011 ADD GN #12                                                                                                                         |           |                          | DOLOROSA  |
| 04/09/2013 REMOVE 6" AND 6.5" ADD CTE REQUIREMENTS                                                                                            | DIST      | COUNTY                   | SHEET NO. |
| 05/05/2017 COTE AS RATED 4.3                                                                                                                  | SAT       | BEXAR                    | 268       |

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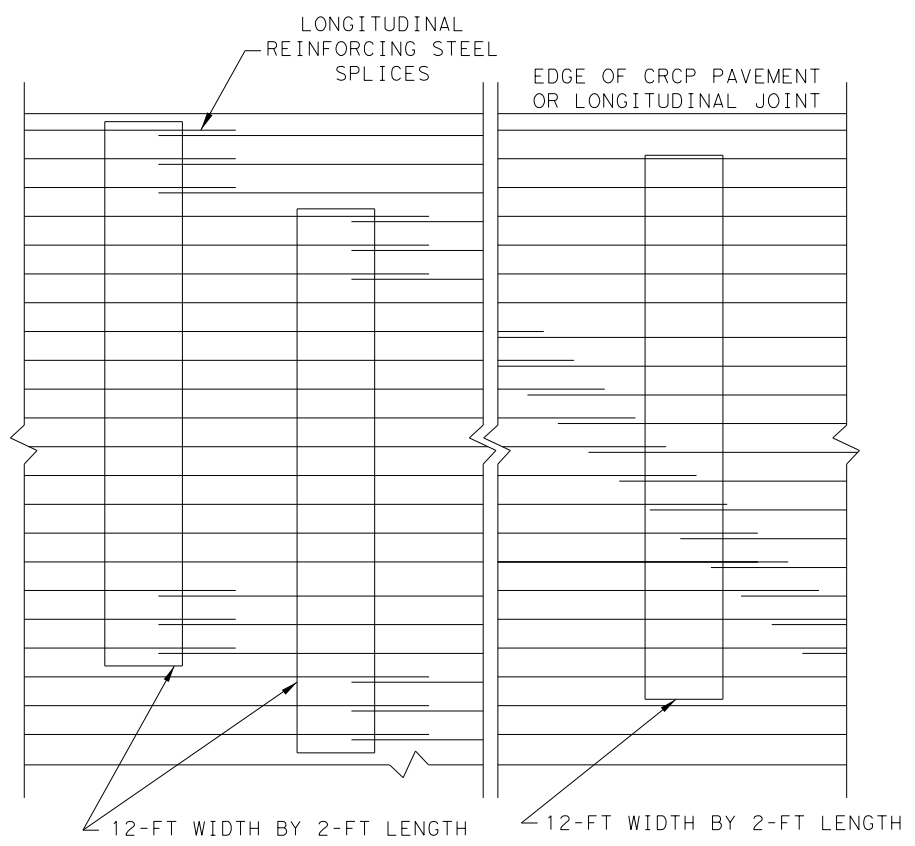
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TRANSVERSE EXPANSION JOINT DETAIL  
AT BRIDGE APPROACH

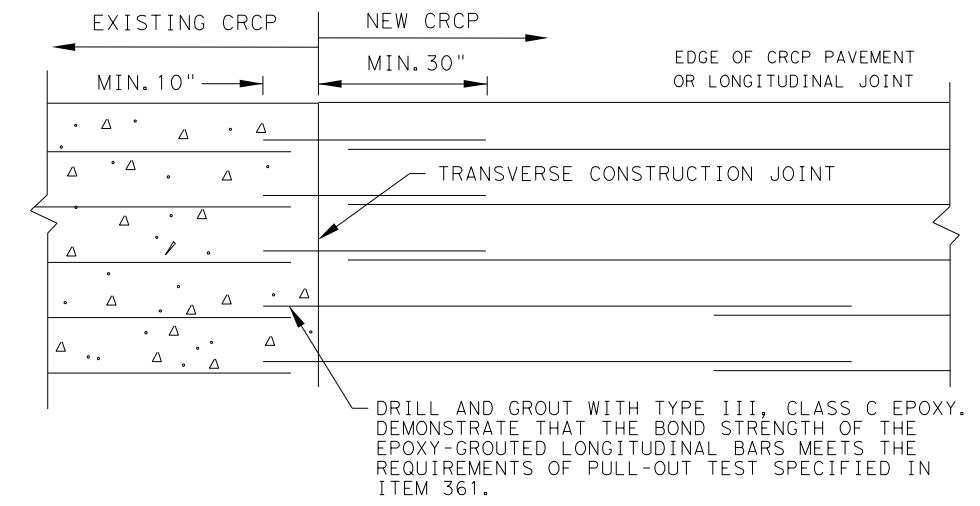


FREE LONGITUDINAL JOINT DETAIL

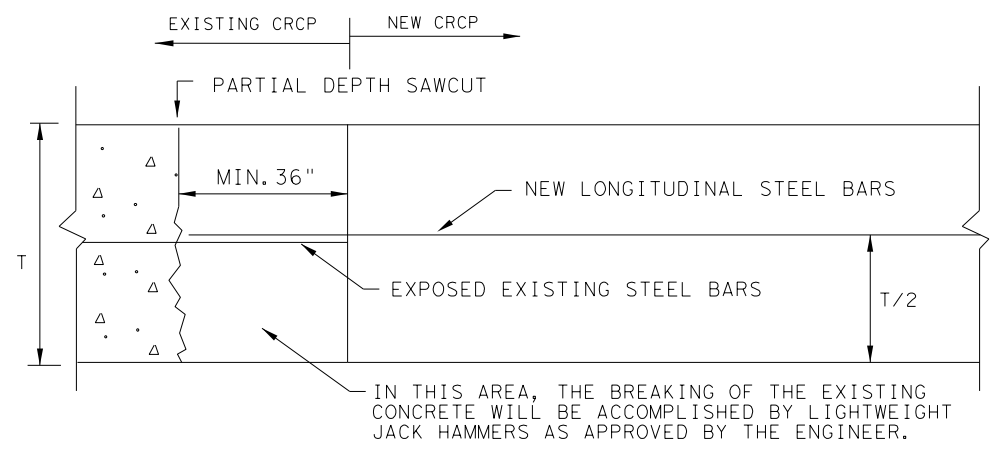


STAGGER THE LAP LOCATIONS SO THAT NO MORE THAN 1/3 OF THE LONGITUDINAL STEEL IS SPLICED IN ANY GIVEN 12-FT. WIDTH AND 2-FT. LENGTH OF THE PAVEMENT. ANY OTHER LAP CONFIGURATION MEETING THIS REQUIREMENT WILL BE ALLOWED.

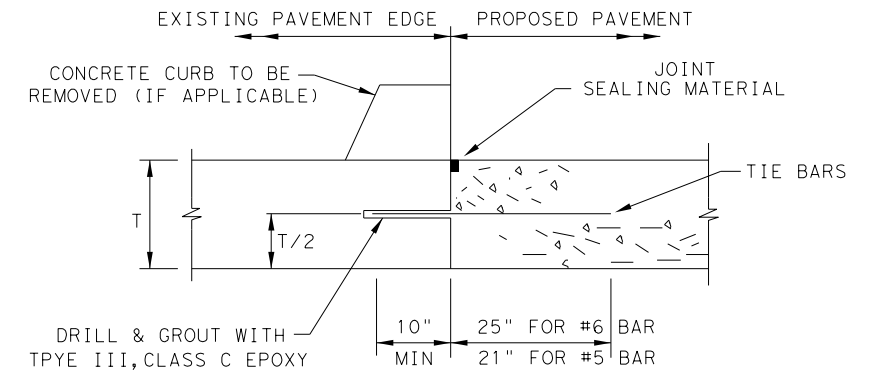
EXAMPLES OF LAP CONFIGURATION  
PLAN VIEW ( NOT TO SCALE)



OPTION A: DRILL AND EPOXY  
PLAN VIEW ( NOT TO SCALE)



OPTION B: BREAKBACK AND LAP  
TRANSVERSE TIE JOINT DETAIL  
EXISTING CRCP TO NEW CRCP



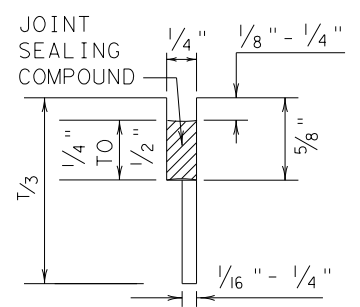
1. BEFORE WIDENING WORK, DEMONSTRATE THAT THE BOND STRENGTH OF THE EPOXY-GROUTED TIE BARS MEETS THE REQUIREMENTS OF PULL-OUT TEST SPECIFIED IN ITEM 361.
2. SPACE TIE BARS AT 24" SPACING. USE #6 TIE BARS FOR 8" AND THICKER SLABS, USE #5 TIE BARS FOR LESS THAN 8" THICK SLABS.

LONGITUDINAL WIDENING JOINT DETAIL

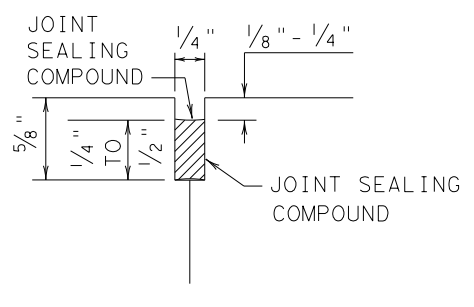
|                                                                                                                                               |           |                                 |           |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------|-----------|----------|
|                                                                                                                                               |           | <b>Design Division Standard</b> |           |          |
| <b>CONTINUOUSLY REINFORCED CONCRETE PAVEMENT</b><br><b>ONE LAYER STEEL BAR PLACEMENT</b><br><b>T - 7 to 13 INCHES</b><br><b>CRCP (1) - 20</b> |           |                                 |           |          |
| FILE: crcp120.dgn                                                                                                                             | DN: TxDOT | CK: KM                          | DW: AN    | CK: VP   |
| © TxDOT: APRIL 2020                                                                                                                           | CONT      | SECT                            | JOB       | HIGHWAY  |
| REVISIONS                                                                                                                                     |           |                                 |           | DOLOROSA |
| 03/16/2020 REMOVED TABLE 1A                                                                                                                   | DIST      | COUNTY                          | SHEET NO. |          |
|                                                                                                                                               | SAT       | BEXAR                           | 269       |          |

DATE: 1/24/2023  
 FILE: P:\122\27\03\Design\Civil\Standards\Roadway\js14.dgn  
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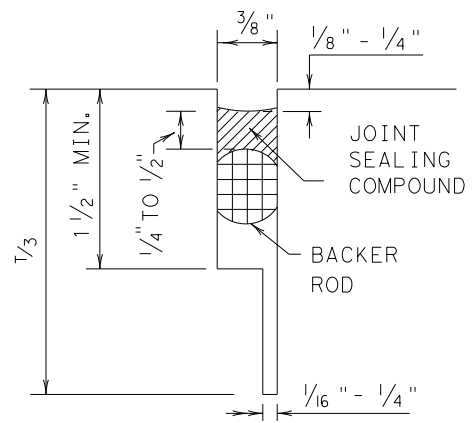
METHOD B: JOINT SEALING COMPOUND



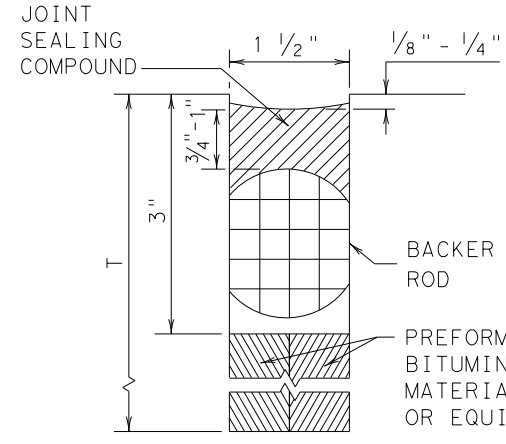
LONGITUDINAL SAWED CONTRACTION JOINT



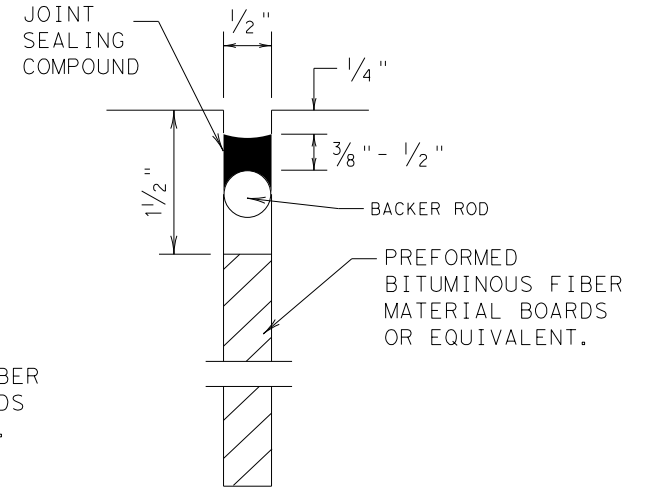
LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT



TRANSVERSE SAWED CONTRACTION JOINT

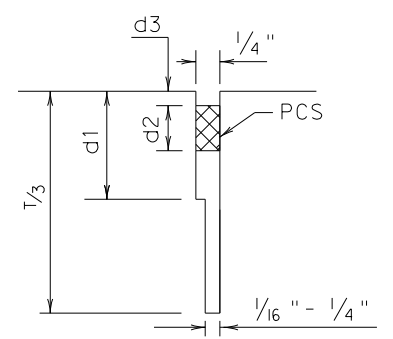


TRANSVERSE FORMED EXPANSION JOINT

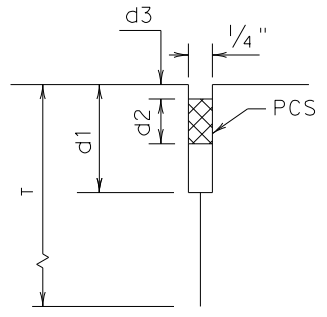


FORMED ISOLATION JOINT

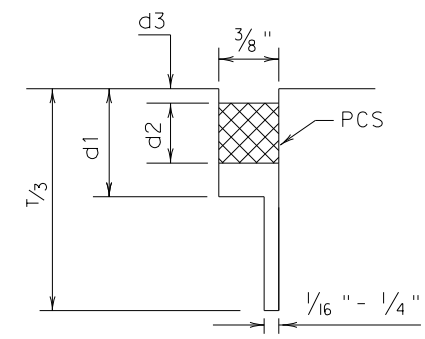
METHOD A: PREFORMED COMPRESSION SEALS (PCS) (DMS-6310 CLASS 6)



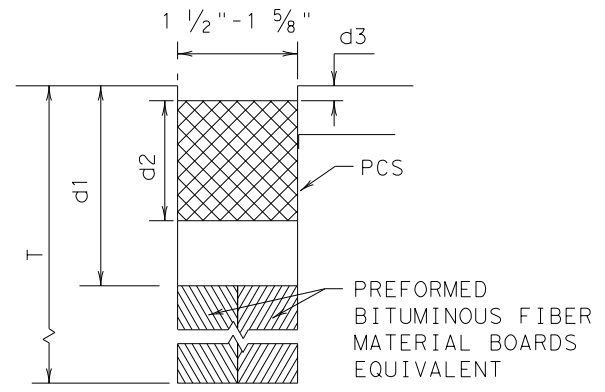
LONGITUDINAL SAWED CONTRACTION JOINT



LONGITUDINAL CONSTRUCTION JOINT



TRANSVERSE SAWED CONTRACTION JOINT



TRANSVERSE FORMED EXPANSION JOINT

GENERAL NOTES

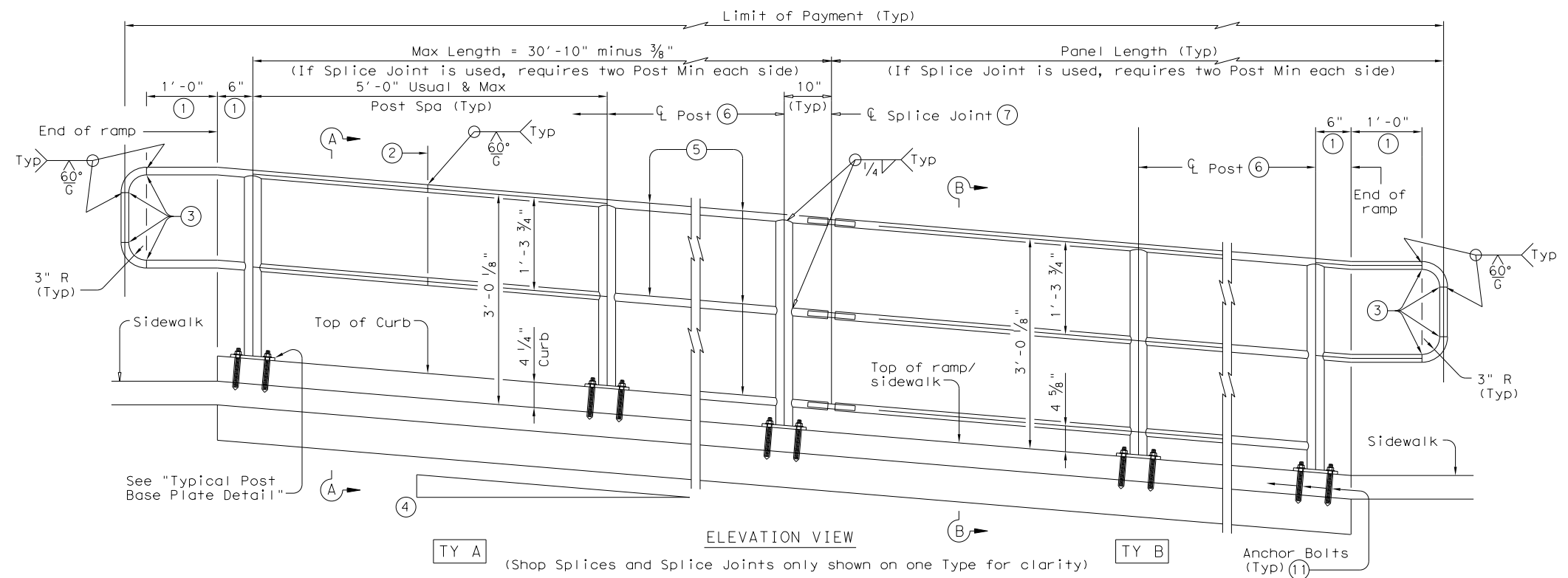
- UNLESS OTHERWISE SHOWN IN THE PLANS, EITHER METHOD "A" OR METHOD "B" MAY BE USED.
- THE LOCATION OF JOINTS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.
- THE JOINT RESERVOIR FOR SEALANT OR PCS SHALL BE SAWED UNLESS OTHERWISE SHOWN ON THE PLANS FOR THE LONGITUDINAL AND TRANSVERSE CONSTRUCTION JOINTS AND THE SAWED JOINTS.
- DIMENSIONS d1, d2, AND d3 SHOWN IN METHOD A SHALL BE IN ACCORDANCE WITH THE PREFORMED COMPRESSION SEAL MANUFACTURER'S RECOMMENDATION.
- REFER TO DMS-6310 "JOINT SEALANTS AND FILLERS" FOR THE CLASSIFICATIONS.
- FOR SAWED LONGITUDINAL JOINT, LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT, USE JOINT SEALANT CLASS 5 OR 8 UNLESS OTHERWISE SHOWN ON THE PLAN OR APPROVED.
- FOR TRANSVERSE SAWED CONTRACTION, TRANSVERSE FORMED EXPANSION JOINT, AND ISOLATION JOINT USE JOINT SEALANT CLASS 5 OR 8 AT NEW JOINTS. USE JOINT SEALANT CLASS 4,5,7,OR 8 FOR MAINTAINING EXISTING JOINTS.
- THE JOINTS SHALL BE CLEANED IN ACCORDANCE WITH THE ITEM 438 "CLEANING AND SEALING JOINTS" OR ITEM 713 "CLEANING AND SEALING JOINTS AND CRACKS (CONCRETE PAVEMENT)".
- ISOLATION JOINTS ACCOMMODATE HORIZONTAL AND VERTICAL MOVEMENTS THAT OCCUR BETWEEN A PAVEMENT AND A STRUCTURE. ISOLATION JOINTS MAY BE USED FOR BRIDGE ABUTMENTS, INTERSECTIONS, CURB AND GUTTER, OLD AND NEW PAVEMENTS, OR AROUND DRAINAGE INLETS, MANHOLES, FOOTINGS AND LIGHTING STRUCTURES.

|                                                                      |           |                                 |         |
|----------------------------------------------------------------------|-----------|---------------------------------|---------|
|                                                                      |           | <b>Design Division Standard</b> |         |
| <b>CONCRETE PAVING DETAILS</b><br><b>JOINT SEALS</b><br><b>JS-14</b> |           |                                 |         |
| FILE: js14.dgn                                                       | DN: TxDOT | DN: HC                          | CK: AN  |
| © TxDOT: DECEMBER 2014                                               | CONT      | SECT                            | HIGHWAY |
| REVISIONS                                                            |           | DOLOROSA                        |         |
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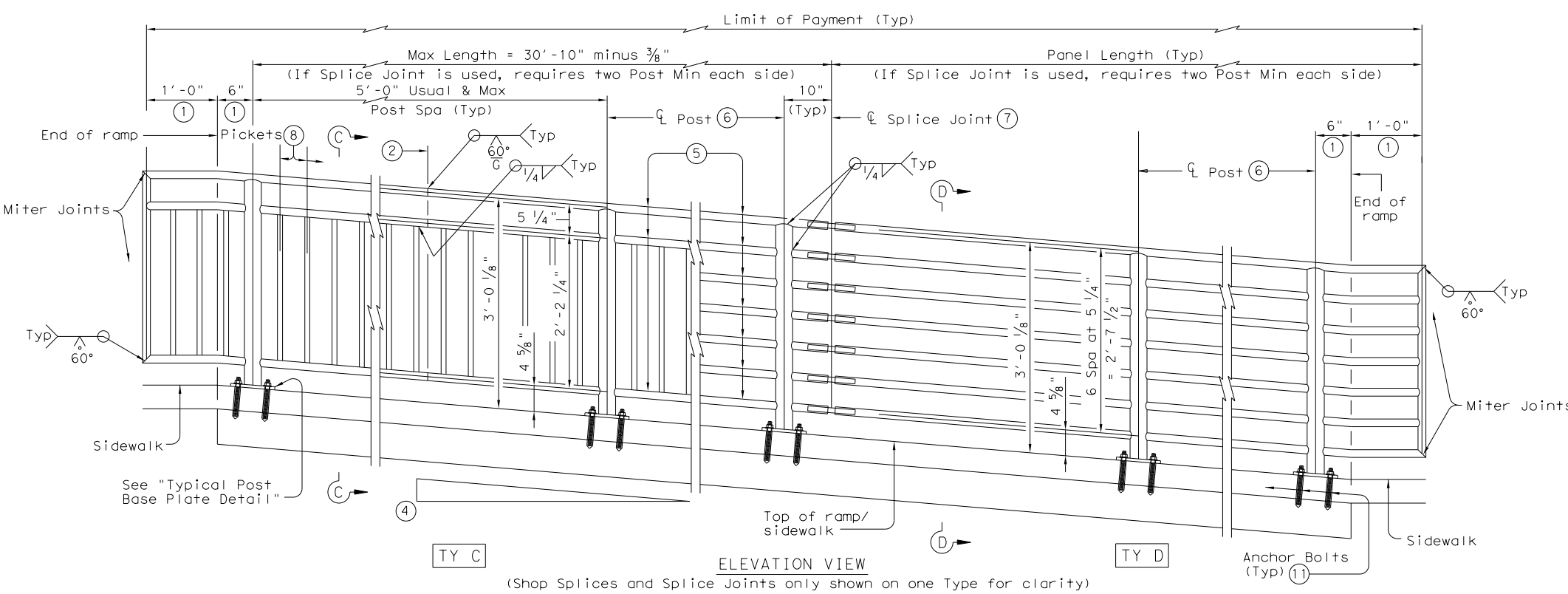


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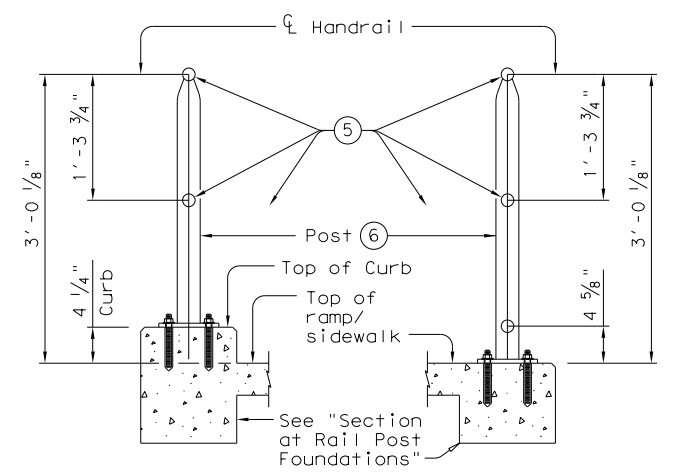


TY A (Shop Splices and Splice Joints only shown on one Type for clarity) TY B

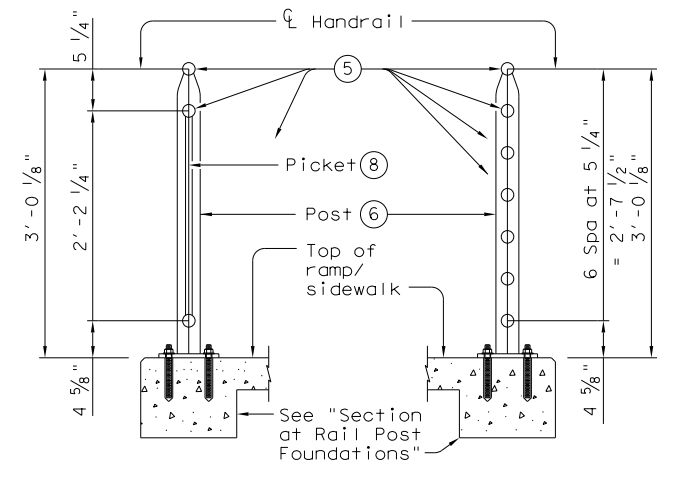


TY C (Shop Splices and Splice Joints only shown on one Type for clarity) TY D

| RECOMMENDED USAGE (9) (10)        |                           |
|-----------------------------------|---------------------------|
| Dropoff Height/Condition          | Recommended Rail Options  |
| < 30" dropoff                     | TY A, TY B, TY C, or TY D |
| ≥ 30" dropoff, or along Bike Path | TY E or TY F              |



SECTION A-A (Showing Handrail TY A) SECTION B-B (Showing Handrail TY B)



SECTION C-C (Showing Handrail TY C) SECTION D-D (Showing Handrail TY D)

SHEET 1 OF 3



# PEDESTRIAN HANDRAIL DETAILS

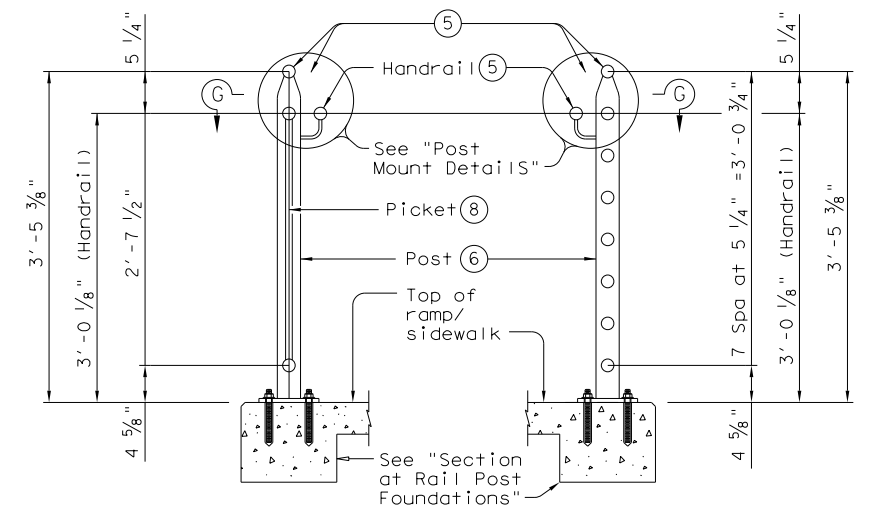
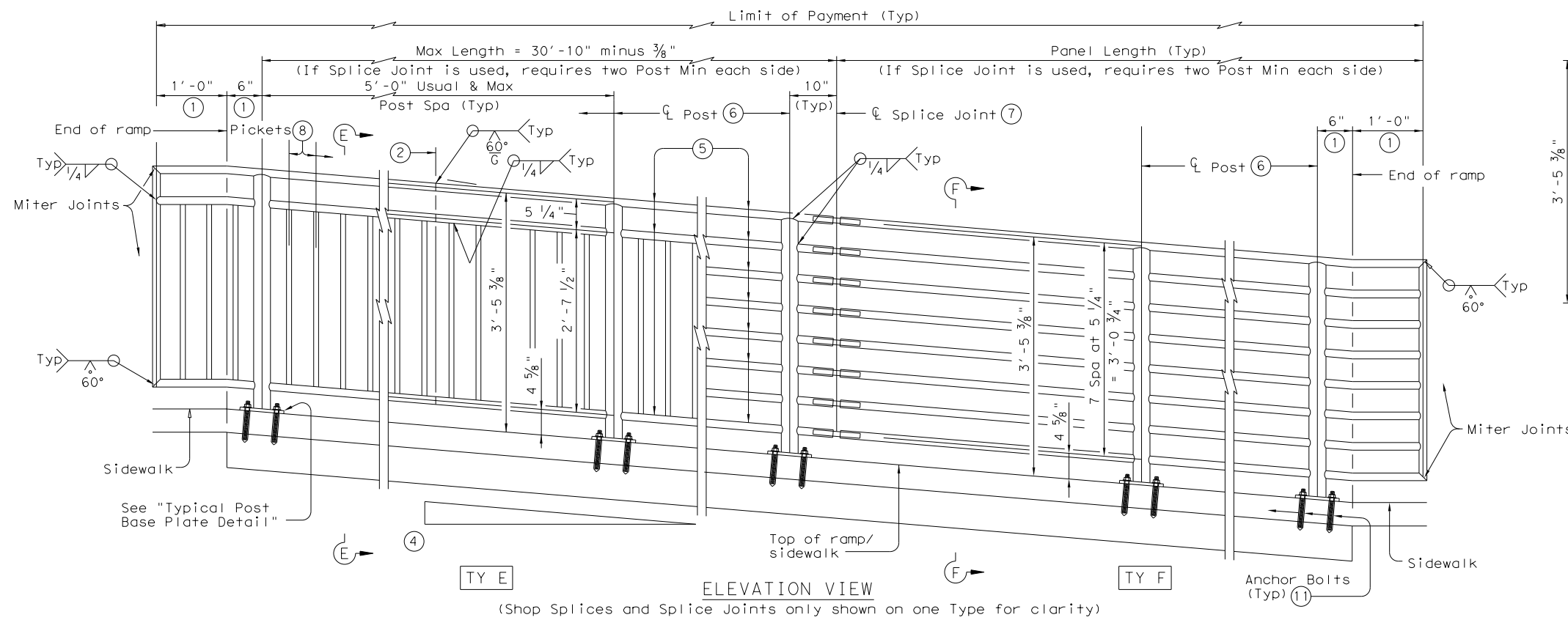
## PRD-13

- ① Parallel to ground.
- ② One shop splice per panel is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ③ Shop splice is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ④ See Ramp Details located elsewhere in plans for ramp slope and dimensions. Maximum ramp slope will not exceed 8.3 percent. Level landing required for each 30" rise if grade exceeds 5 percent.
- ⑤ 1 1/2" Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp / sidewalk. Provide holes as needed in 1 1/2" Dia. pipe for galvanizing drainage and venting.
- ⑥ 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). See "Post Mount Detail" for crimping and trimming post to fit Dia. of top rail. Provide holes as needed in post for galvanizing drainage and venting. Plumb all posts.
- ⑦ See "Handrail Fabrication Details" for Splice Joints.
- ⑧ 5/8" Dia. Round Bar equal spacing at 4 1/2" Max. Plumb all pickets.
- ⑨ When needed for accessibility (grade > 5 percent) or as needed for pedestrian safety.
- ⑩ Not to be used on bridges.
- ⑪ See "General Notes" for anchor bolt information.

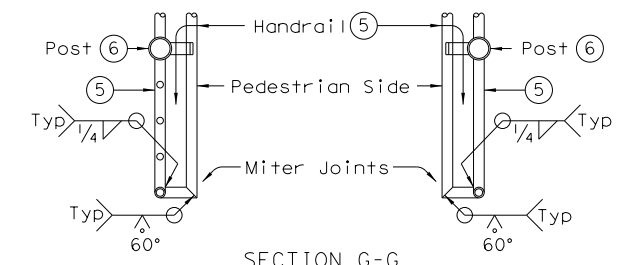
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| © TxDOT December 2006  | CONT      | SECT   | JOB       | HIGHWAY |
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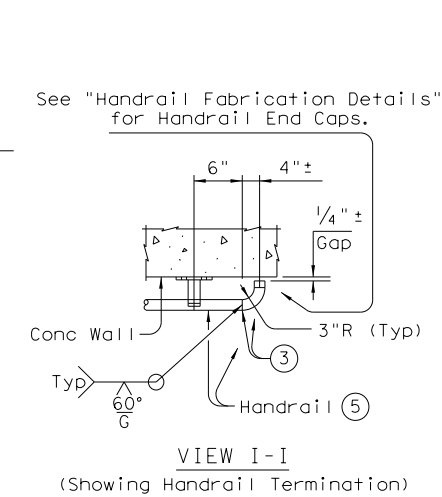
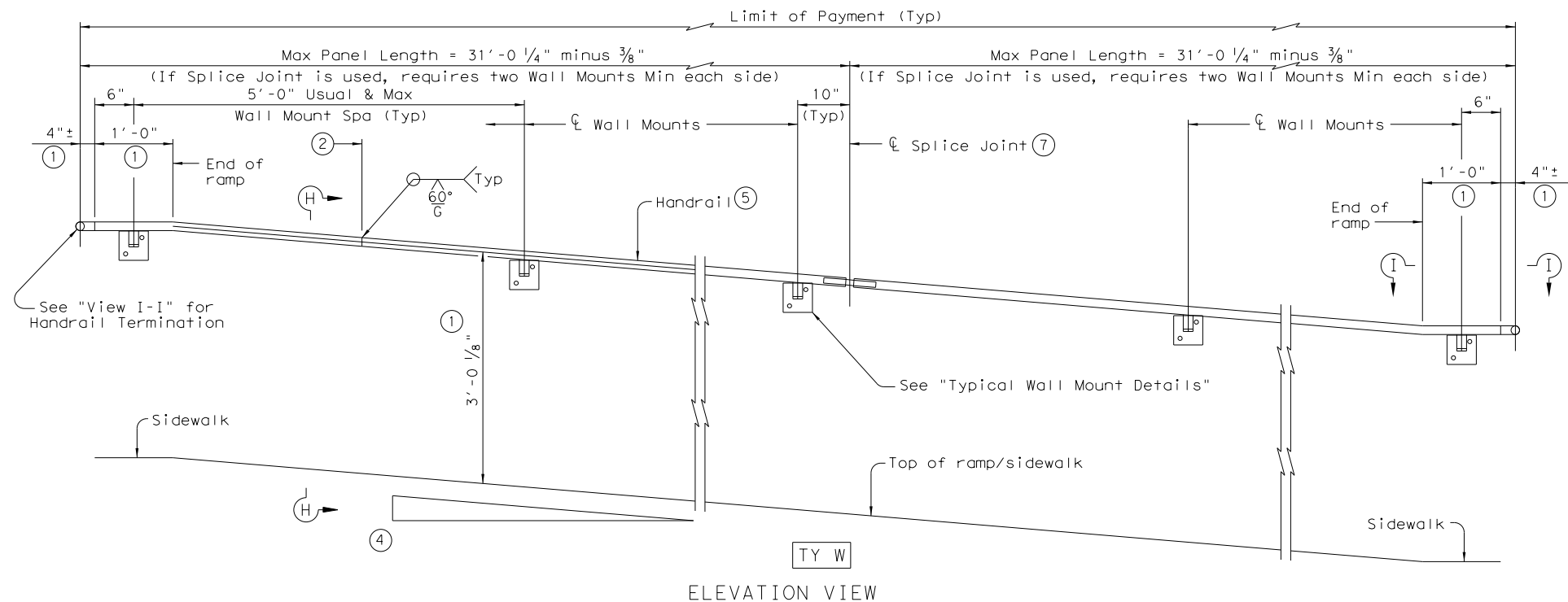
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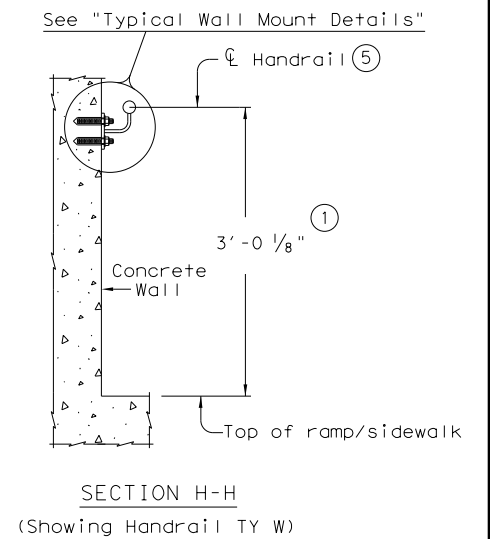
SECTION E-E (Showing Handrail TY E)  
 SECTION F-F (Showing Handrail TY F)



SECTION G-G (Showing Handrail Termination)



VIEW I-I (Showing Handrail Termination)



SECTION H-H (Showing Handrail TY W)

- ① Parallel to ground.
- ② One shop splice per panel is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ③ Shop splice is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ④ See Ramp Details located elsewhere in plans for ramp slope and dimensions. Maximum ramp slope will not exceed 8.3 percent. Level landing required for each 30" rise if grade exceeds 5 percent.
- ⑤ 1 1/2" Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp / sidewalk. Provide holes as needed in 1 1/2" Dia. pipe for galvanizing drainage and venting.

- ⑥ 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). See "Post Mount Detail" for crimping and trimming post to fit Dia. of top rail. Provide holes as needed in post for galvanizing drainage and venting. Plumb all posts.
- ⑦ See "Handrail Fabrication Details" for Splice Joints.
- ⑧ 1/2" Dia. Round Bar equal spacing at 4 1/2" Max. Plumb all pickets.
- ⑪ See "General Notes" for anchor bolt information.

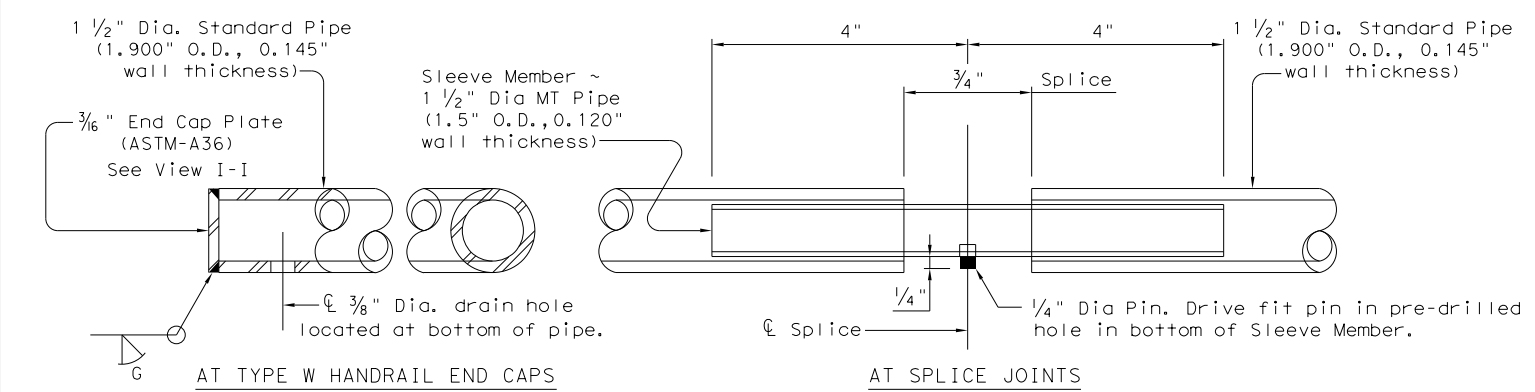
SHEET 2 OF 3



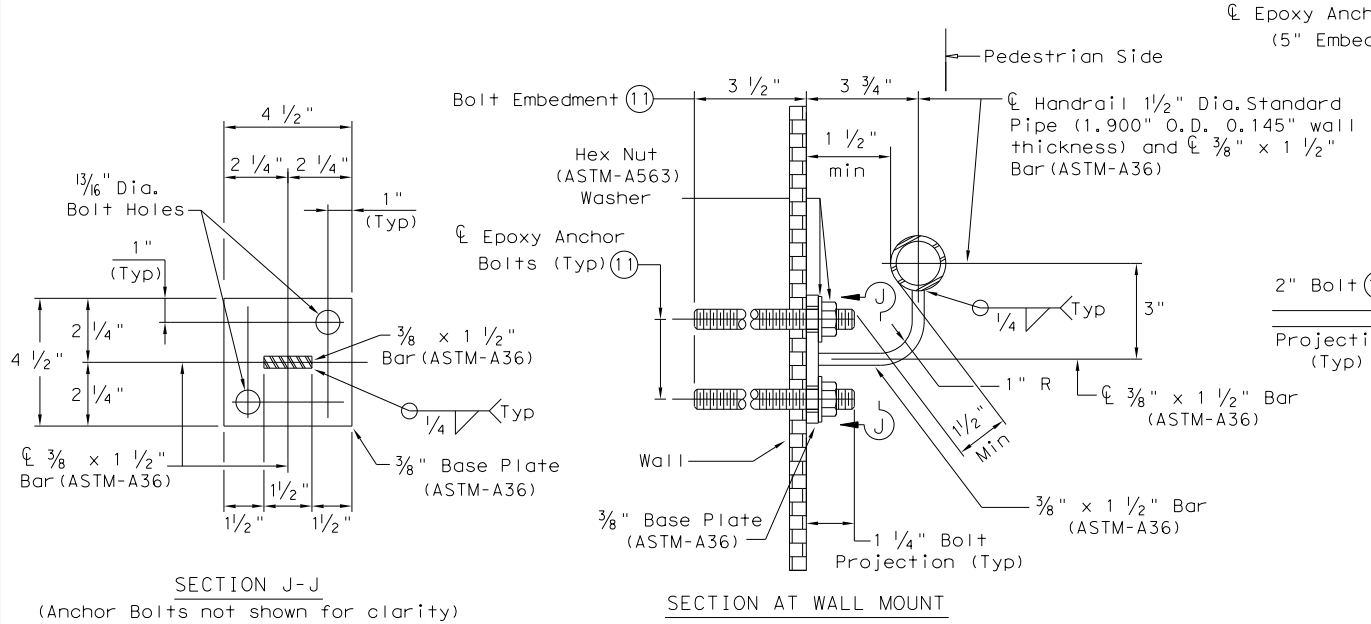
PEDESTRIAN HANDRAIL  
 DETAILS  
 PRD-13

|                        |           |        |         |           |
|------------------------|-----------|--------|---------|-----------|
| FILE: prdl3.dgn        | DN: TxDOT | CK: AM | DW: JTR | CK: CGL   |
| ©TxDOT December 2006   | CONT      | SECT   | JOB     | HIGHWAY   |
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|                        | SAT       | BEXAR  |         | 272       |

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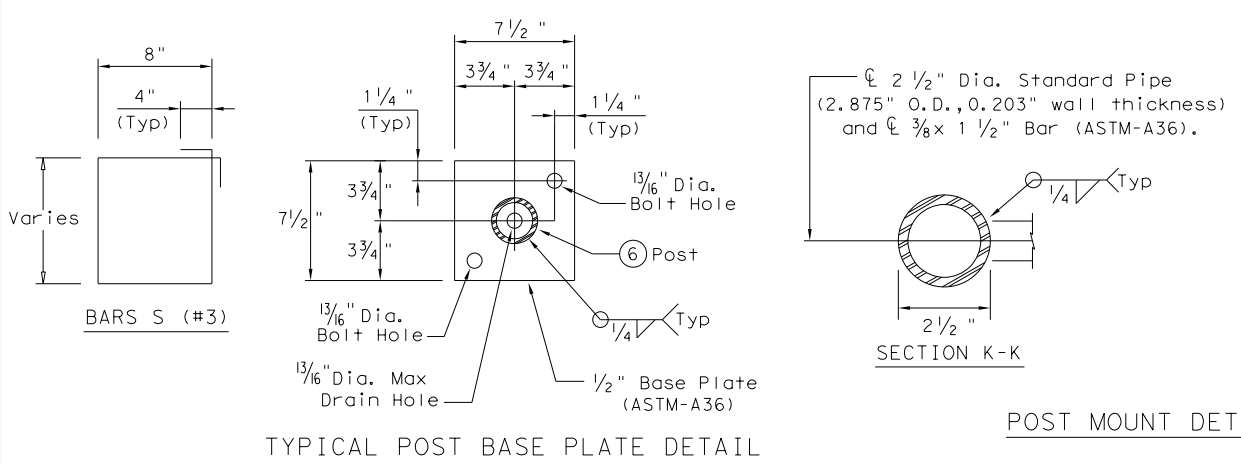


HANDRAIL FABRICATION DETAILS

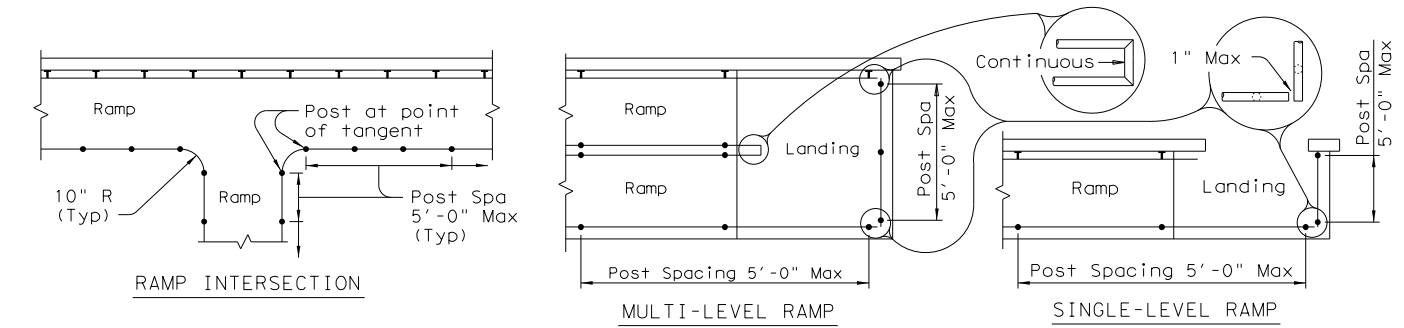


TYPICAL WALL MOUNT DETAILS

- (5) 1 1/2" Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp/sidewalk. Provide holes as needed in 1 1/2" Dia. pipe for galvanizing drainage and venting.
- (6) 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). Plumb all posts. See "Post Mount Detail" for crimping and trimming post to fit the diameter of top rail. Provide holes as needed in post for galvanizing drainage and venting.
- (11) See "General Notes" for anchor bolt information.
- (12) Bars S(#3) spaced at 12" Max (Spaced 3" from outside edge of overall length of Ramp/Sidewalk).
- (13) Provide 1 1/2" end cover to Bars D(#4) from outside edge of overall length of Ramp/Sidewalk.



POST MOUNT DETAILS



PLAN SHOWING RAIL AT RAMP CONDITIONS

GENERAL NOTES

Designed according to ADAAG, Texas Accessibility Standards, Uniform Building Code, and AASHTO LRFD Specifications.

Handrail anchorage details shown on this standard may require modification for select structure types. See appropriate details elsewhere in plans for these modifications.

Pipe will conform to ASTM-A53 Grade B or A500 Grade B. Steel plates and steel bars will conform to ASTM-A36. Mechanical tubing (MT) will conform to ASTM A513 Grade 1015 or higher. Galvanize all steel components except reinforcing steel unless noted otherwise.

Concrete for foundations will be in accordance with Item 531 "Sidewalks". All reinforcing steel must be Grade 60. Bar laps, where required, will be as follows: Uncoated ~ #4 = 1'-5" Epoxy coated ~ #4 = 2'-1"

When the plans require painted steel, follow the requirements for painting galvanized steel in Item 446, "Cleaning and Painting Steel". Sleeve Members will receive galvanization and only get field painted after installation unless directed otherwise by Engineer.

Epoxy Anchor bolts for wall mount and post base plate will be 5/8" Dia. ASTM A36 threaded rods with one hex nut and one hardened steel washer at each bolt. 3/8" Dia. threaded rod embedment depth for wall mounts is 3 1/2" and embedment depth for post base plate is 5".

Embed threaded rods into concrete with a Type III (Class C) epoxy meeting the requirements of DMS-6100, "Epoxyes and Adhesives". Mix and dispense adhesive with the manufacturer's static mixing nozzle/dual cartridge system. Core drill holes (percussion drilling not permitted).

At the contractor's option the post base plate anchor bolts may be cast with the Ramp/Sidewalk (See Cast-in-Place Anchor Bolt Options).

Optional cast-in-place anchor bolts will be 5/8" Dia ASTM A307 Grade A bolts (or A36 threaded rods with one tack welded hex nut each) with one hex nut and one hardened steel washer at each bolt. Embedment depth of cast-in-place bolt will be 8" for post base plate.

Handrails and any wall or other surface adjacent to them will be free of any sharp or abrasive elements.

Submit shop drawings to the Engineer unless otherwise noted. For curved handrail applications, fabricate the handrail to the curve if radius is less than 600 ft. Shop drawings are required when rail is fabricated to the curve.

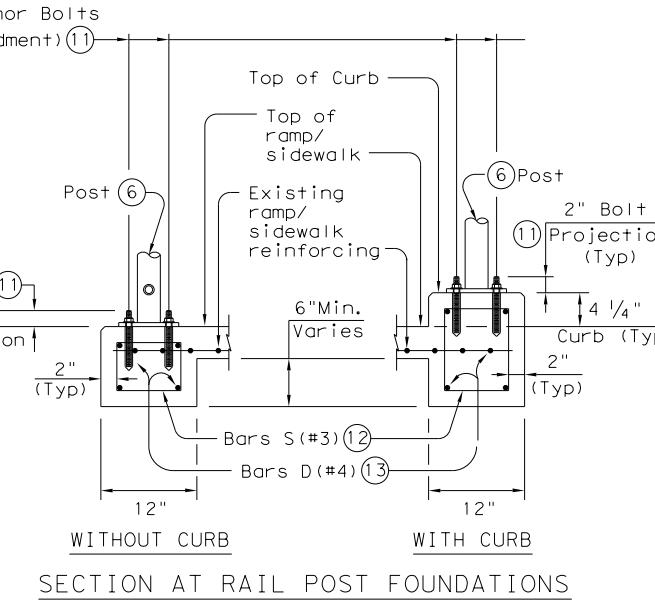
For all handrails, erection drawings will be submitted to the Engineer for approval to ensure proper installation.

Drawings will show handrail mount locations with bolts setting, spacing, ramp slope, and/or splice joint locations, and handrail lengths with identification showing where each handrail goes on the layout.

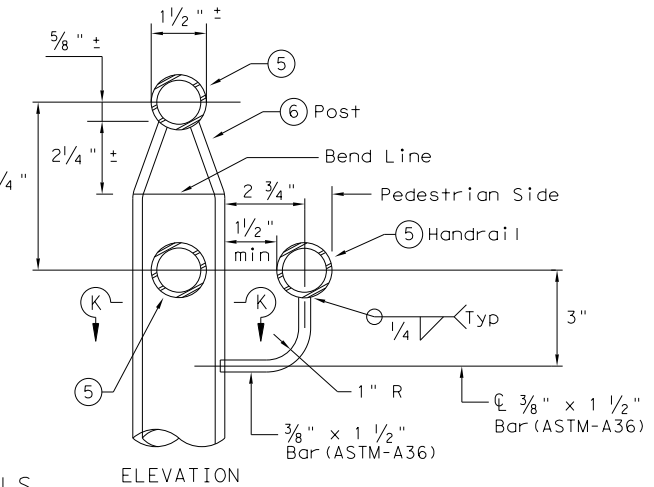
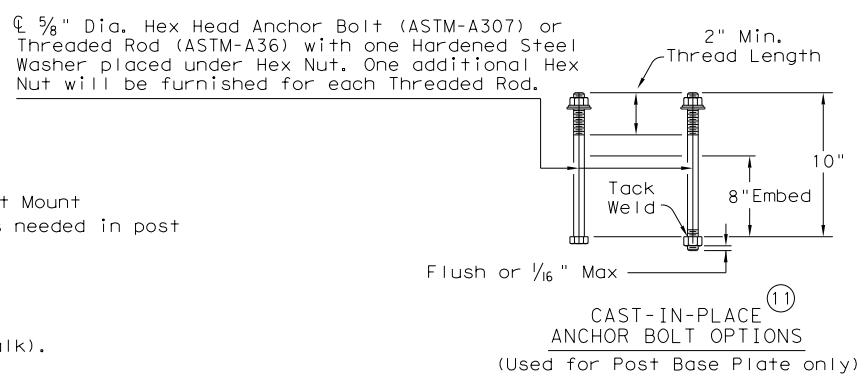
Payment for concrete sidewalks or curb ramps will be paid for in accordance with Item 531 "Sidewalks".

Payment for all items shown is to be included in unit price bid in accordance with Item 450 "Railing" of the type specified.

All exposed edges will be rounded or chamfered to approximately 1/8" by grinding.

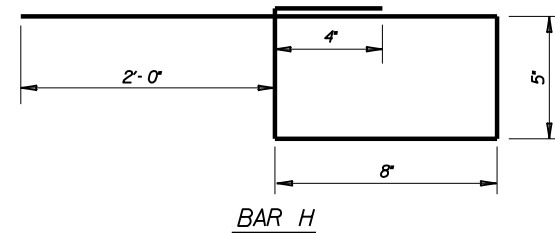
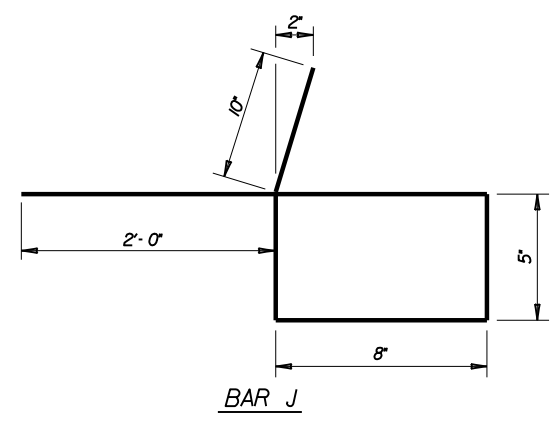
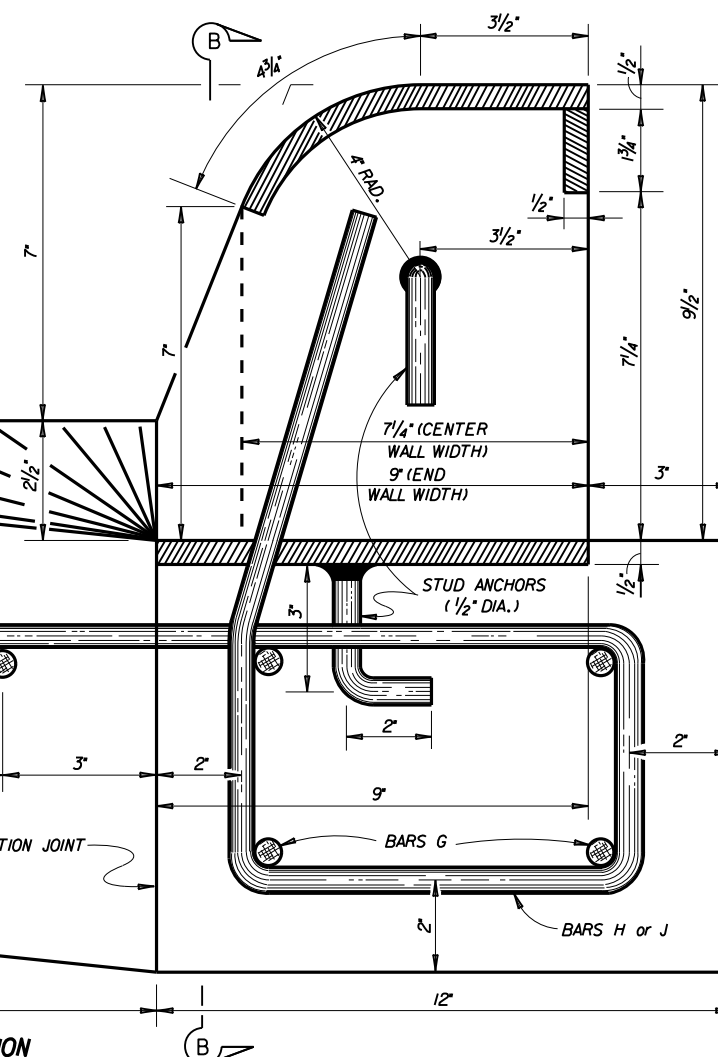
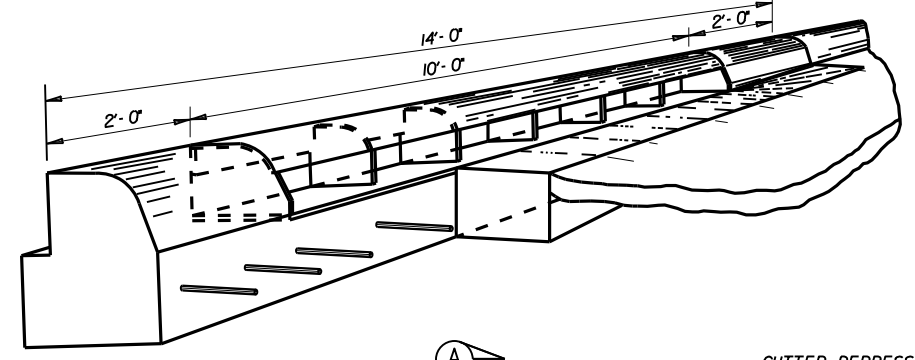
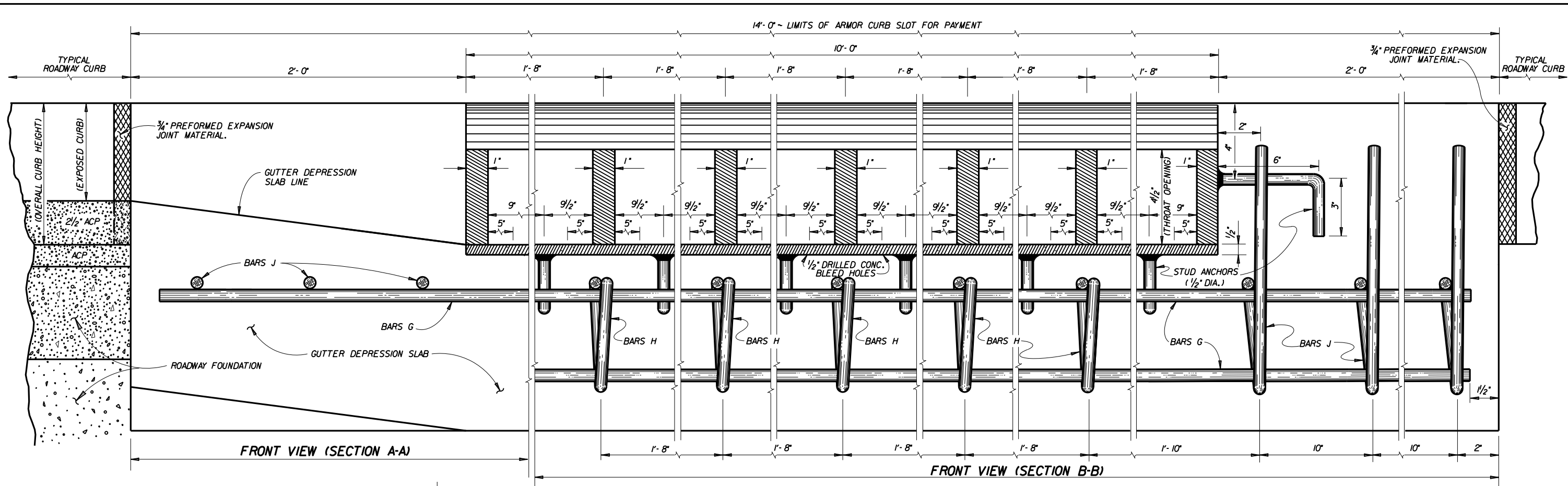


SECTION AT RAIL POST FOUNDATIONS



ELEVATION

|                                                      |           |                                 |           |
|------------------------------------------------------|-----------|---------------------------------|-----------|
|                                                      |           | <b>Design Division Standard</b> |           |
| <h2>PEDESTRIAN HANDRAIL DETAILS</h2> <h3>PRD-13</h3> |           |                                 |           |
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|                                                      | SAT       | BEXAR                           | 273       |



**ESTIMATED QUANTITIES FOR REINFORCING STEEL & CONCRETE**

| BAR NO.                          | SIZE | SPAC. | LENGTH | WEIGHT |    |
|----------------------------------|------|-------|--------|--------|----|
| G                                | 7    | #4    | SHOWN  | 13'-9" | 64 |
| H                                | 5    | #4    | 1'-8"  | 4'-6"  | 15 |
| J                                | 6    | #4    | 8"     | 5'-0"  | 20 |
| TOTAL WEIGHT *                   |      |       |        | LBS.   | 99 |
| CONCRETE FOR FOUNDATION *        |      |       | C.Y.   | 0.47   |    |
| CONCRETE FOR GUTTER DEPRESSION * |      |       | C.Y.   | 0.78   |    |

**STRUCTURAL STEEL FOR ARMOR CURB SLOT**

|                          |      |       |
|--------------------------|------|-------|
| STUD ANCHORS (1/2" DIA.) | LBS. | 3.5   |
| STEEL PLATE              | LBS. | 451   |
| TOTAL WEIGHT *           | LBS. | 454.5 |

\* FOR CONTRACTORS INFO ONLY.

- GENERAL NOTES:**
- ALL CONCRETE SHALL BE CL. 'A'.
  - ALL STEEL SHALL BE ASTM A36.
  - ALL DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTER OF BARS.
  - ALL SIDES OF ARMOR CURB SLOT AND STUD ANCHORS SHALL BE 1/4" FILLET WELDS.
  - ALL EXPOSED STRUCTURAL STEEL (ARMOR) SHALL BE GALVANIZED UNDER ITEM 445.
  - ALL EXPOSED EDGES ON ARMOR CURB SHALL RECEIVE A 1/8" BEVEL.
  - THE SHAPE OF THE TYPICAL ROADWAY CURB SHALL TRANSITION TO THE ARMOR CURB AS APPROVED BY THE ENGINEER.

**ARMOR CURB SLOT WITH CONCRETE FOUNDATION**  
**SAN ANTONIO DISTRICT STANDARDS**

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| FED. RD. DIV. NO. | PROJECT NO. | SHEET NO. |             |
|-------------------|-------------|-----------|-------------|
| 6                 |             | 274       |             |
| STATE             | DISTRICT    | COUNTY    |             |
| TEXAS             | SAT         |           |             |
| DESIGN            | CHECKED     | DRAWN     | PROJECT NO. |
| ST                | JT          | JG        | 23-03763    |

10/95  
REV. 07/01  
REV. 12/04

STRUCTURE DESIGN / BRIDGE / STD / ARMORCURB.DGN