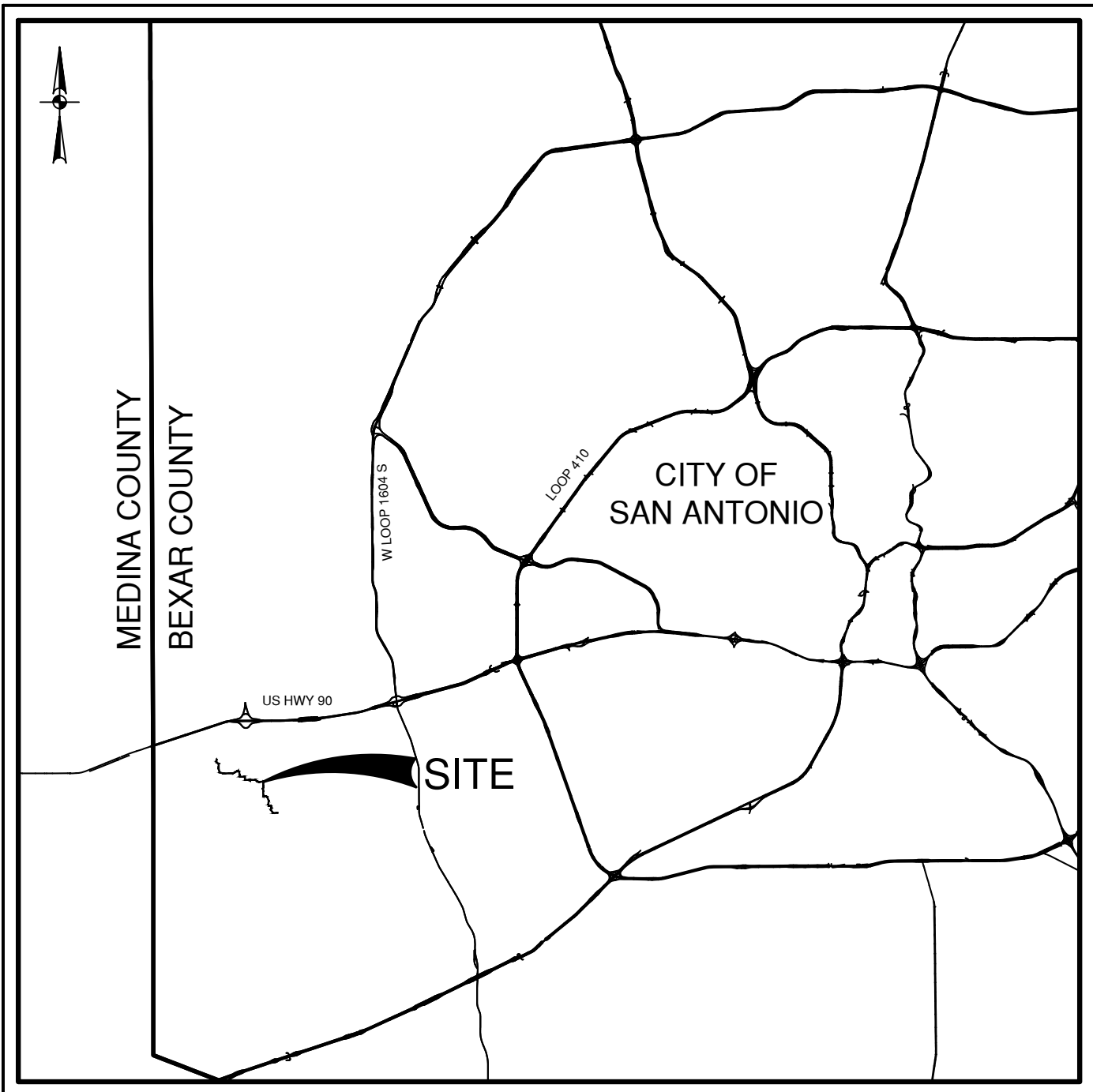


# ECHTLE OFFSITE SEWER EXTENSION

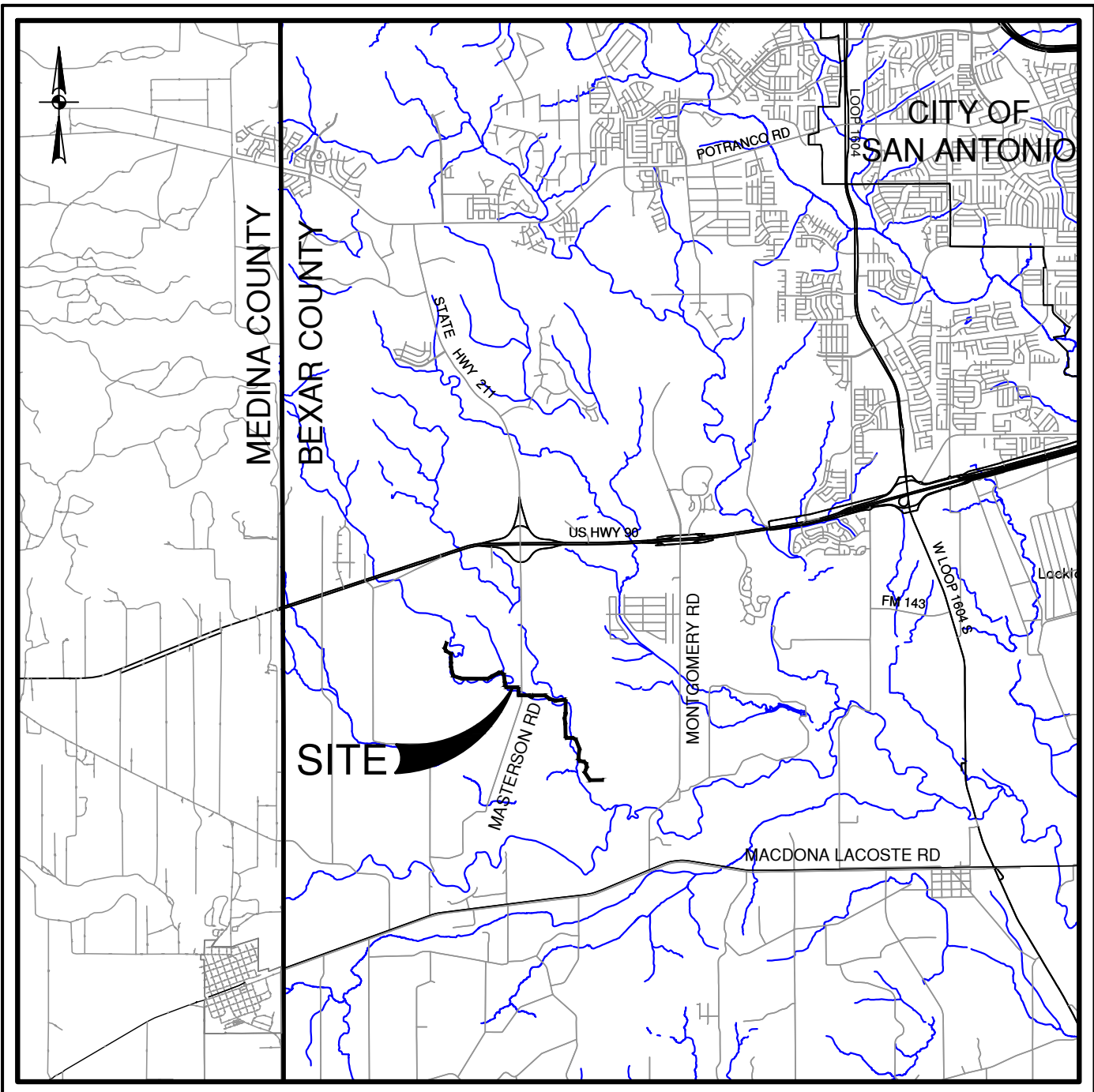
## BEXAR COUNTY, TEXAS

### SAWS JOB # 21-4405 CO-00568

OVERALL QUANTITY TABLE		
ITEM DESCRIPTION	UNIT	TOTAL QTY
8" SDR 26 PVC	LF	35
12" SDR 26 PVC	LF	5
30" FRP (ASTM D-3262) SN 72	LF	14,877
36" FIBERGLASS REINFORCED PIPE (SN72) (35'-40')	LF	50
30" FRP CARRIER PIPE (SN72) FOR PIPE JACKING	LF	613
5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	46
5' TEE-BASE FIBERGLASS MANHOLE	EA	1
5' TEE-BASE FIBERGLASS MANHOLE, DROP	EA	2



LOCATION MAP  
NOT-TO-SCALE



SITE MAP  
NOT-TO-SCALE

#### SHEET INDEX

SHEET TITLE	SHEET #
COVER SHEET	C0.00
GENERAL CONSTRUCTION NOTES SHEET	C0.01
OVERALL QUANTITY SHEET	C0.02
OVERALL LAYOUT PLAN SHEET 1	C1.01
OVERALL LAYOUT PLAN SHEET 2	C1.02
SANITARY SEWER LINE PLAN & PROFILE STA 1+00 - 12+00	C2.01
SANITARY SEWER LINE PLAN & PROFILE STA 12+00 - 23+00	C2.02
SANITARY SEWER LINE PLAN & PROFILE STA 23+00 - 34+00	C2.03
SANITARY SEWER LINE PLAN & PROFILE STA 34+00 - 45+00	C2.04
SANITARY SEWER LINE PLAN & PROFILE STA 45+00 - 56+00	C2.05
SANITARY SEWER LINE PLAN & PROFILE STA 56+00 - 67+00	C2.06
SANITARY SEWER LINE PLAN & PROFILE STA 67+00 - 78+00	C2.07
SANITARY SEWER LINE PLAN & PROFILE STA 78+00 - 89+00	C2.08
SANITARY SEWER LINE PLAN & PROFILE STA 89+00 - 100+00	C2.09
SANITARY SEWER LINE PLAN & PROFILE STA 100+00 - 111+00	C2.10
SANITARY SEWER LINE PLAN & PROFILE STA 111+00 - 122+50	C2.11
SANITARY SEWER LINE PLAN & PROFILE STA 122+50 - 134+00	C2.12
SANITARY SEWER LINE PLAN & PROFILE STA 134+00 - 145+50	C2.13
SANITARY SEWER LINE PLAN & PROFILE STA 145+50 - 157+00	C2.14
SANITARY SEWER DETAILS SHEET 1	C2.15

PREPARED FOR:

ENTRADA DEVELOPMENT GROUP  
1381 COUNTY ROAD 651  
DEVINE, TEXAS 78016

JUNE 2022

#### AS-BUILT/PLAN OF RECORD

SAWS JOB NO: 21-4405  
CONTRACTOR: D. GUERRA  
INSPECTOR:  
COMPLETE DATE: 12/14/2023

#### MATERIALS NOTE

FRP PIPE: HOBAS  
MANHOLES: HOBAS

THESE DOCUMENTS CONFORM TO CONSTRUCTION RECORD DOCUMENTS AND HAS BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUM, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFI'S PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
AUGUST 2024

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

PLAN OF RECORD  
I HEREBY CERTIFY THAT THESE DOCUMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WERE PREPARED UNDER MY SUPERVISION  
*Jason T. Diamond*  
NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

**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



#### SEWER

DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP	
ADDRESS: 1381 COUNTY ROAD 651	
CITY: DEVINE	STATE: TEXAS ZIP: 78016
PHONE: XX	FAX: XX
SAWS BLOCK MAP# XX	TOTAL EDU'S XX TOTAL ACREAGE XX
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX	
NUMBER OF LOTS XXX	SAWS JOB NO. 21-4405

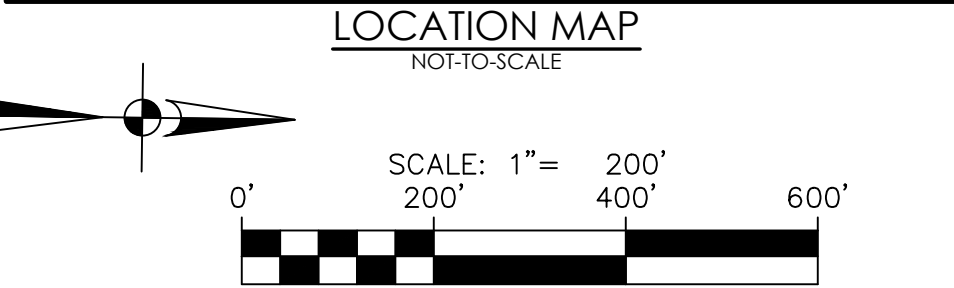
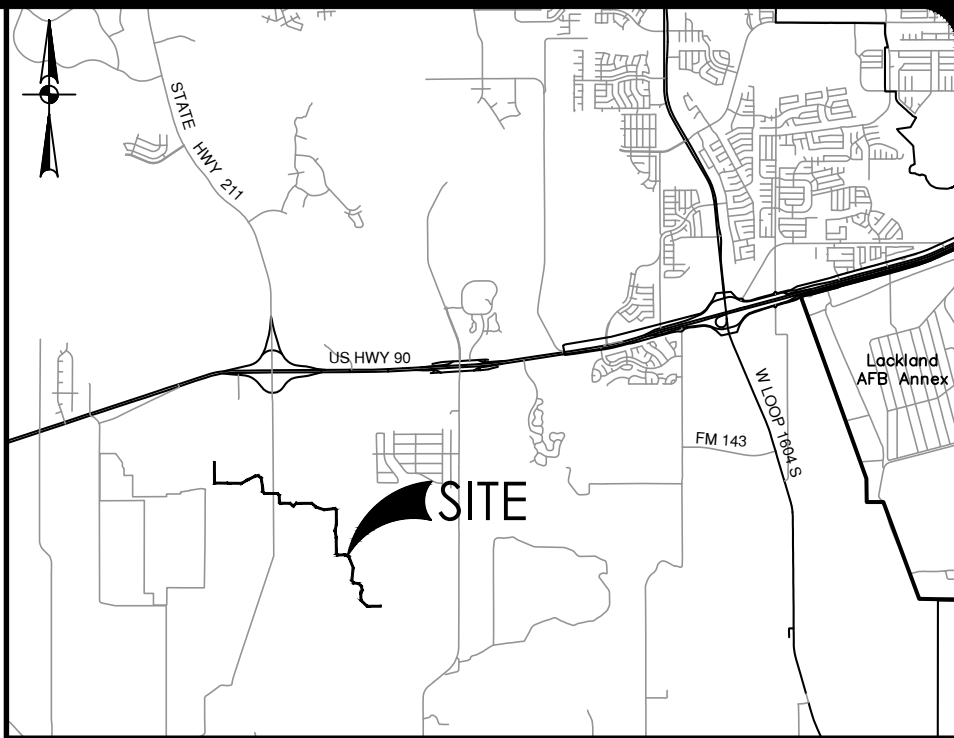
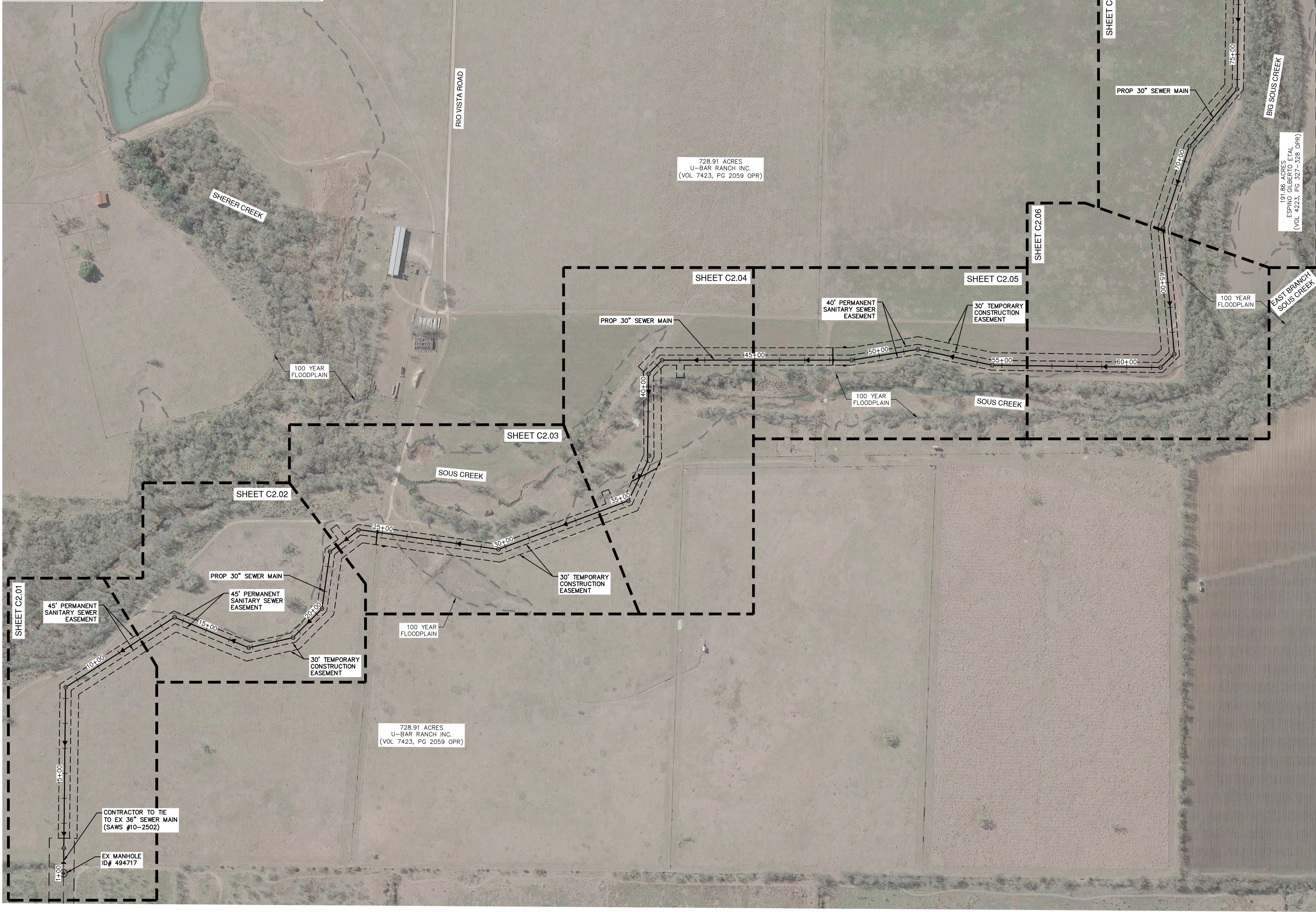
SHEET C0.00







HORIZONTAL AND VERTICAL CONTROL POINTS				
Point #	Northing	Easting	Elevation	Full Description
1	13,678,051.33	2,043,688.95	695.84	SET I.R. REDCAP (TRAV)
5	13,679,517.86	2,043,743.33	703.62	SET I.R. REDCAP (TRAV)
6	13,683,988.08	2,035,786.75	765.71	SET I.R. REDCAP (TRAV)
8	13,682,558.97	2,035,856.88	763.09	SET I.R. REDCAP (TRAV)
11	13,680,489.90	2,035,856.24	749.70	SET I.R. REDCAP (TRAV)



SEWER LEGEND	
PROPERTY LINE	---
100 YR FLOODPLAIN	---
5 YR FLOODPLAIN	---
PROPOSED EASEMENT	---
EXISTING WATER	---
EXISTING SEWER	---
PROPOSED SEWER	---
PROPOSED WATER	---

THESE DOCUMENTS CONFORM TO CONSTRUCTION RECORD DOCUMENTS AND HAVE BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUM, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

**CAUTION!!**

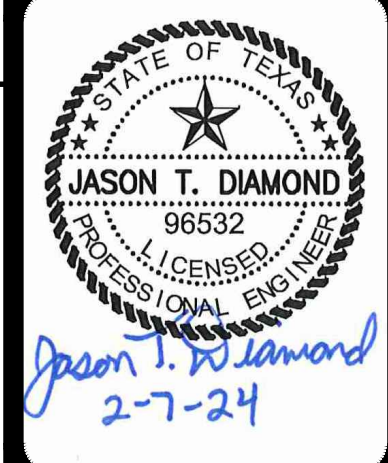
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

**ROW PERMIT NOTE:**

A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAR COUNTY RIGHTS-OF-WAY.

SEWER	
DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP	
ADDRESS: 1381 COUNTY ROAD 651	
CITY: DEVINE	STATE: TEXAS ZIP: 78016
PHONE# XX	FAX# XX
SAWS BLOCK MAP# XX	TOTAL EDU'S XX TOTAL ACREAGE XX
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX	
NUMBER OF LOTS XXX	SAWS JOB NO. 21-4405

DATE	NO.	REVISION



**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #270 | TBPUS FIRM REGISTRATION #10088800

**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS

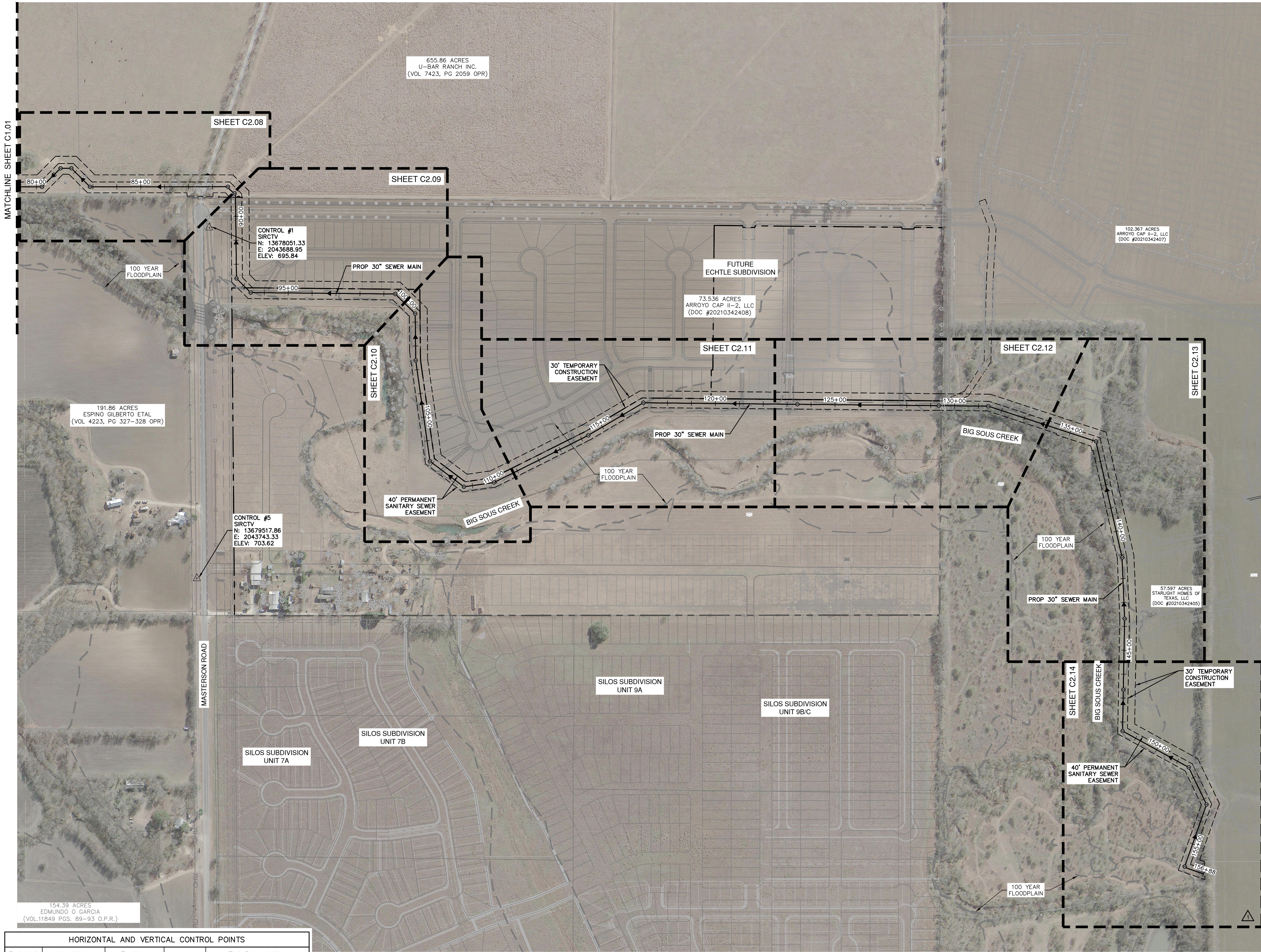
OVERALL LAYOUT PLAN SHEET 1

PLAT NO.	XXXXXX
JOB NO.	12294-01
DATE	MAY 2022
DESIGNER	RG
CHECKED	JD DRAWN AL
SHEET	C1.01

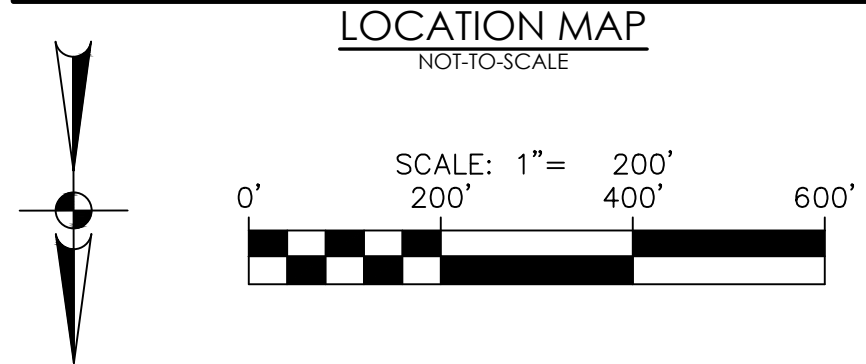
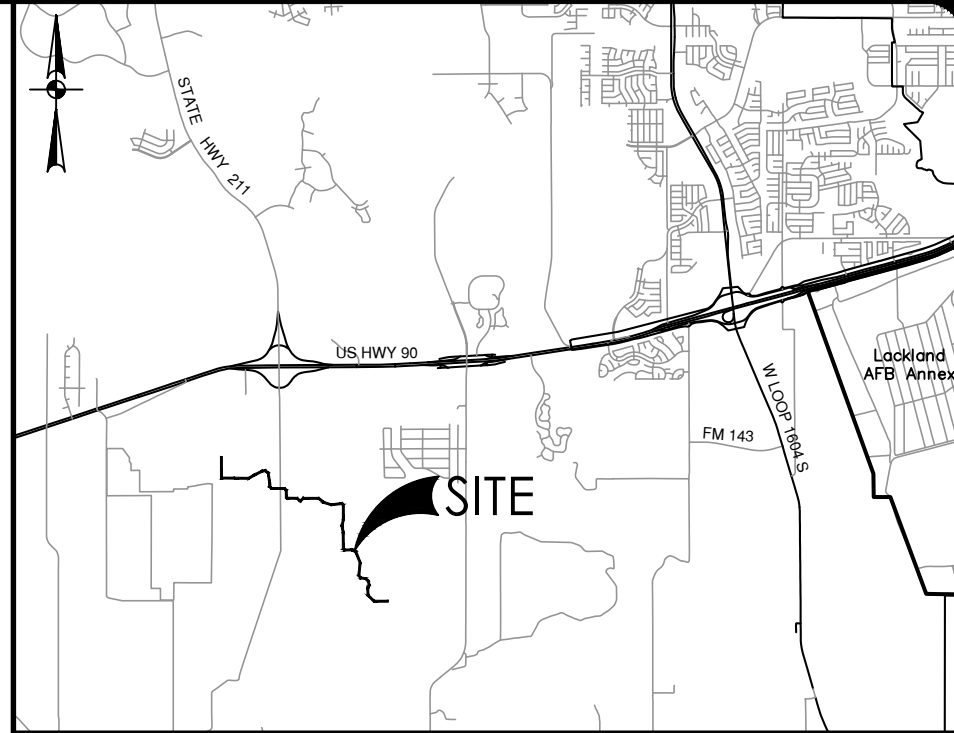
Date: Aug 26, 2024, 3:28pm User ID: Easheeda  
File: P:\12294\01 Design\Civil Sheets\1229401.dwg



Date: Aug 26, 2024, 3:29pm, User ID: Easdaada  
File: P:\1229401\Design\DWG\Sheet\1229401.dwg



HORIZONTAL AND VERTICAL CONTROL POINTS				
Point #	Northing	Easting	Elevation	Full Description
1	13,678,051.33	2,043,688.95	695.84	SET I.R. REDCAP (TRAV)
5	13,679,517.86	2,043,743.33	703.62	SET I.R. REDCAP (TRAV)
6	13,683,988.08	2,035,786.75	765.71	SET I.R. REDCAP (TRAV)
8	13,682,558.97	2,035,856.88	763.09	SET I.R. REDCAP (TRAV)
11	13,680,489.90	2,035,856.24	749.70	SET I.R. REDCAP (TRAV)



SEWER LEGEND	
PROPERTY LINE	---
100 YR FLOODPLAIN	---
5 YR FLOODPLAIN	---
PROPOSED EASMENT	---
EXISTING WATER	---
EXISTING SEWER	---
PROPOSED SEWER	---
PROPOSED WATER	---

THESE DOCUMENTS CONFORM TO CONSTRUCTION RECORD DOCUMENTS AND HAVE BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUM, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
I HEREBY CERTIFY THAT THESE DOCUMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WERE PREPARED UNDER MY SUPERVISION

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

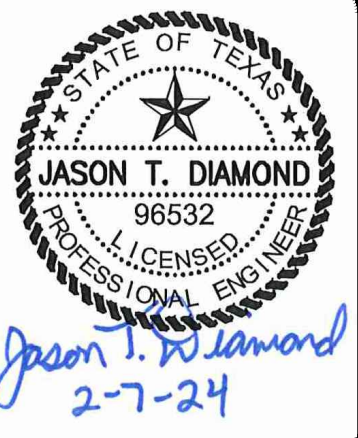
COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

**CAUTION!!**  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL, DUCTEANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

**ROW PERMIT NOTE:**  
A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAR COUNTY RIGHTS-OF-WAY.

SEWER	
DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP	
ADDRESS: 1381 COUNTY ROAD 651	
CITY: DEVINE	STATE: TEXAS ZIP: 78016
PHONE# XX	FAX# XX
SAWS BLOCK MAP# XX TOTAL EDU'S XX TOTAL ACREAGE XX	
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX	
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405	

NO.	REVISION	DATE
1	1	02/28/23

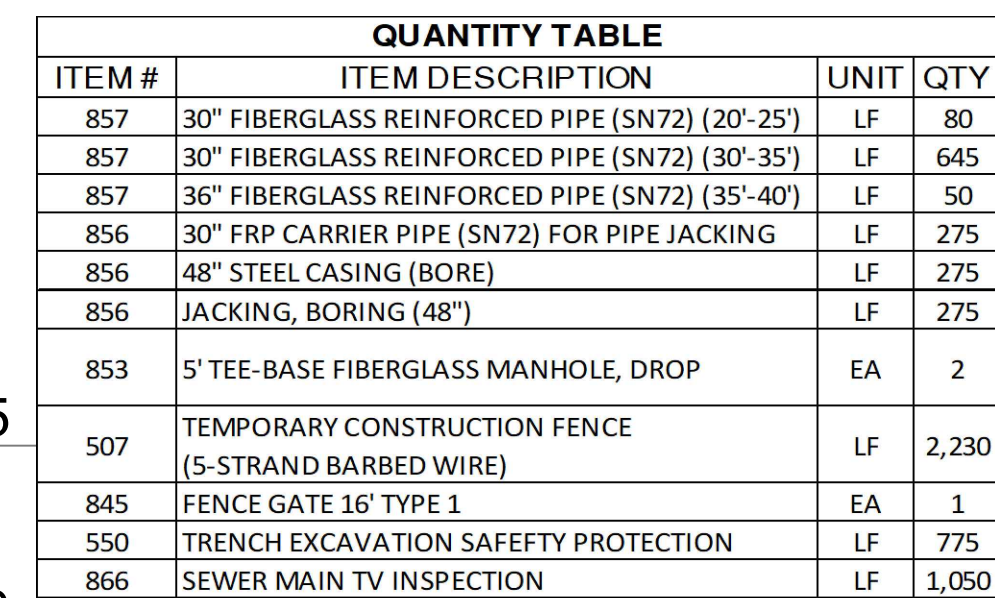
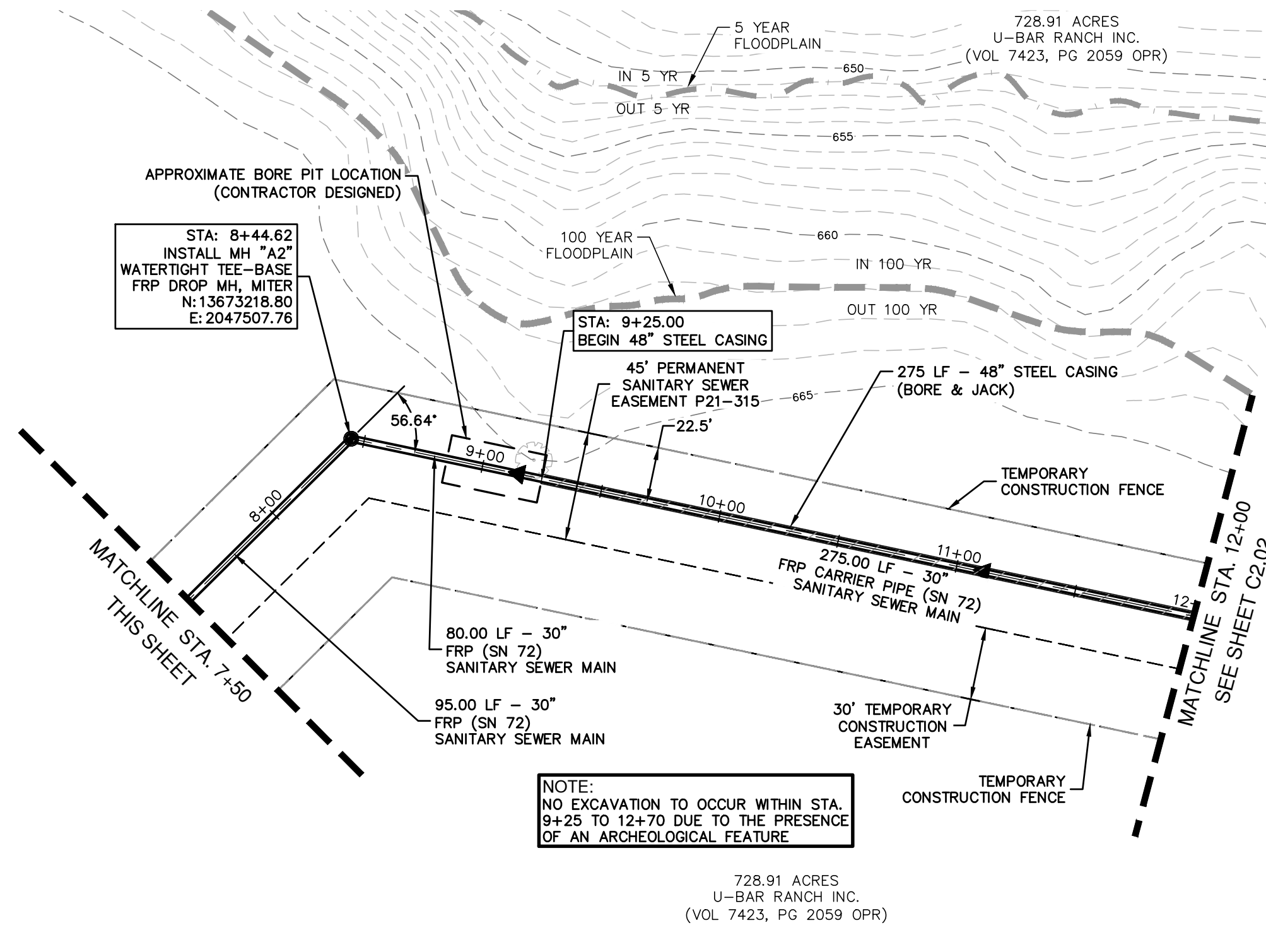


**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TXPE FIRM REGISTRATION #470 | TBPUS FIRM REGISTRATION #1008880

**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS

PLAT NO.	XXXXXX
JOB NO.	12294-01
DATE	MAY 2022
DESIGNER	RG
CHECKED	JD DRAWN AL
SHEET	C1.02



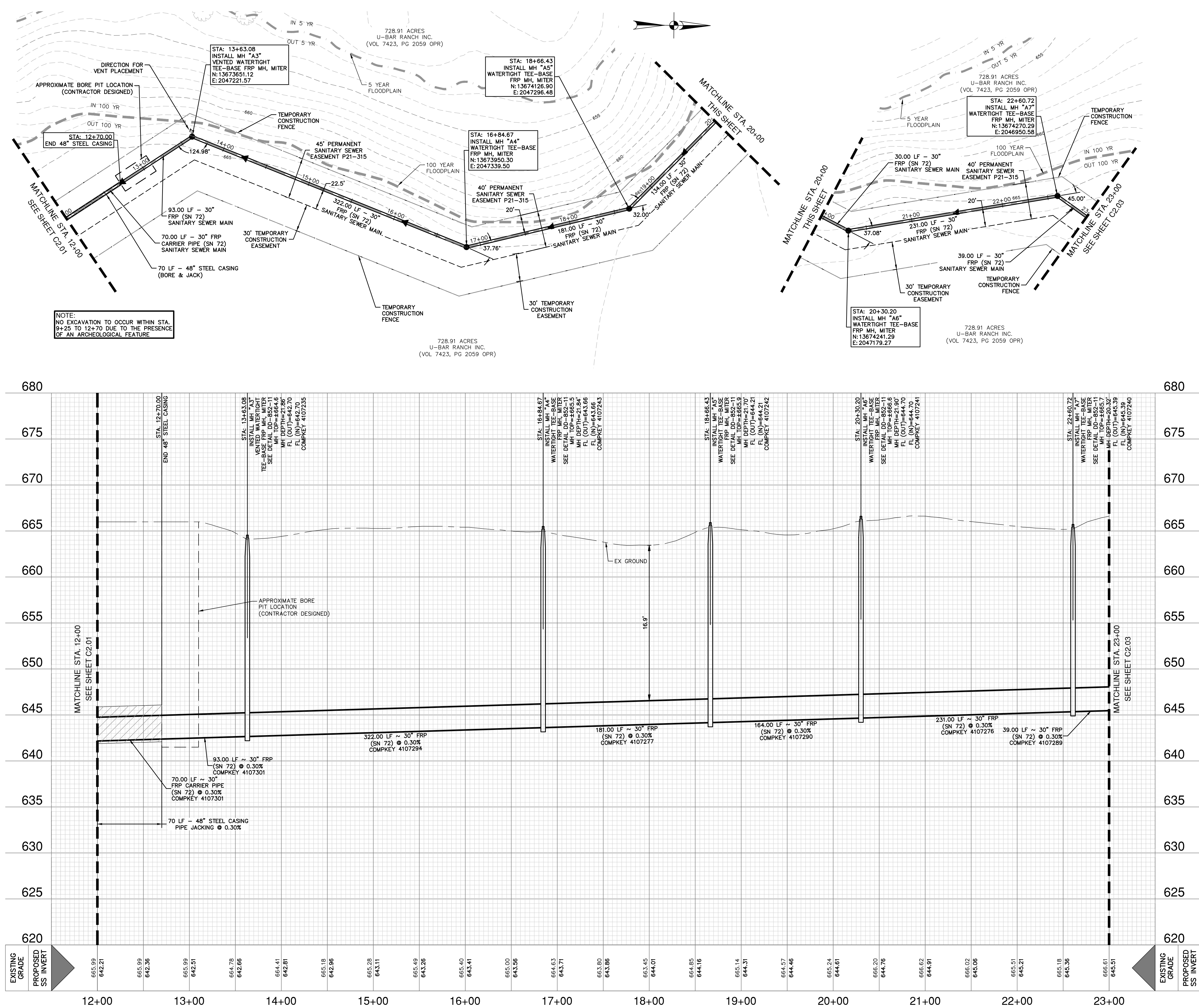


PLAT NO. XXXXXXX  
JOB NO. 12294-01  
DATE MAY 2022  
DESIGNER RG  
CHECKED JD DRAWN AL  
SHEET C2.01



Date: Aug 26, 2024, 3:22pm User ID: Easdeade  
File: P:\229401\Design\Civil\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARPOOL/2016, Texas Orthomography Program, USDA Farm Service Agency.



## SEWER LEGEND

BOUNDARY/PROPERTY LINE	---
5 YR FLOODPLAIN	---
100 YR FLOODPLAIN	---
FUTURE CONTOURS	---
EXISTING CONTOURS MAJOR	---
EXISTING CONTOURS MINOR	---
EXISTING FENCE	---
EXISTING BARBED WIRE FENCE	---
TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	---
EXISTING WATER	---
PROPOSED WATER	---
EXISTING SEWER	---
FUTURE SEWER	---
PROPOSED SEWER	---

QUANTITY TABLE			
ITEM #	ITEM DESCRIPTION	UNIT	QTY
857	30" FIBERGLASS REINFORCED PIPE (SN72)(15'-20')	LF	108
857	30" FIBERGLASS REINFORCED PIPE (SN72)(20'-25')	LF	922
856	30" FRP CARRIER PIPE (SN72) FOR PIPE JACKING	LF	70
856	48" STEEL CASING (BORE)	LF	70
856	JACKING, BORING (48")	LF	70
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	5
507	TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	LF	2,200
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,030
866	SEWER MAIN TV INSPECTION	LF	1,100

THESE DOCUMENTS CONFORM TO THE DESIGN OF THE PROJECT AND HAVE BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUMS, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
I HEREBY CERTIFY THAT THESE DOCUMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WERE PREPARED UNDER MY SUPERVISION

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

NOTES:  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER.

CONTRACTOR TO INSTALL EROSION CONTROL MATTING ON SLOPES STEEPER THAN 4:1

**CAUTION!!**  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING, SECONDARY ELECTRIC, PRIMARY ELECTRICAL, DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

SEWER	
DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP	
ADDRESS: 1381 COUNTY ROAD 651	
CITY: DEVINE	STATE: TEXAS ZIP: 78016
PHONE# XX	FAX# XX
SAWS BLOCK MAP# XX TOTAL EDU'S XX TOTAL ACREAGE XX	
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX	
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405	

**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TPE FIRM REGISTRATION #470 | TPE FIRM REGISTRATION #1008890

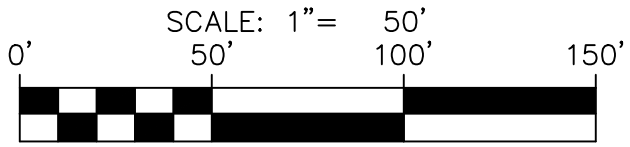
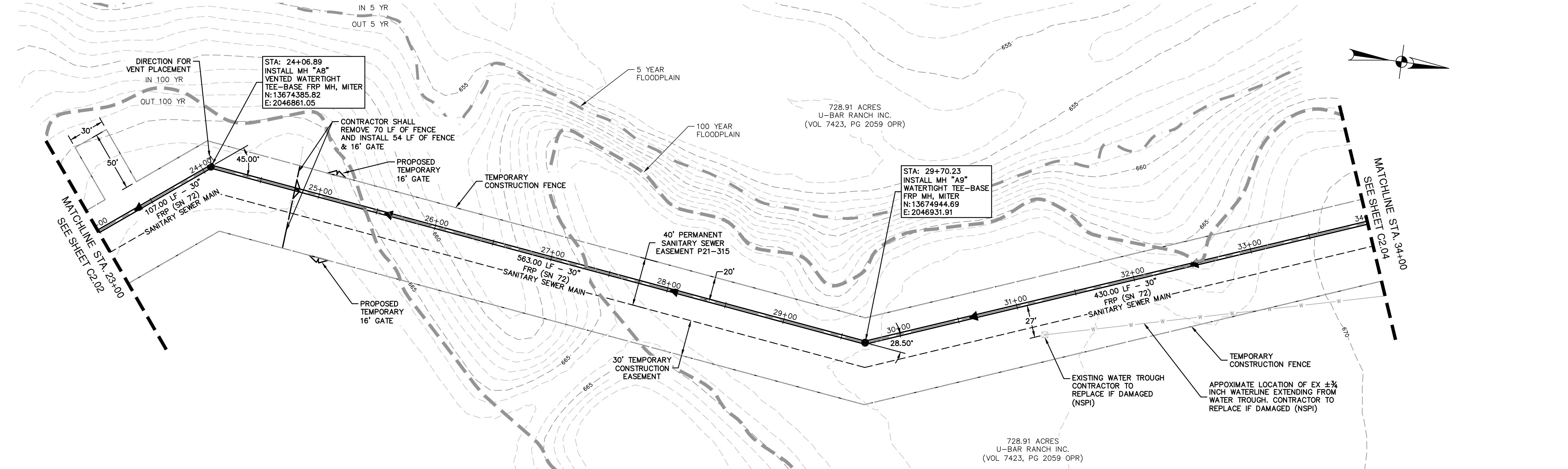
**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS  
SANITARY SEWER LINE PLAN & PROFILE  
STA 12+00 - 23+00

PLAT NO. XXXXXX  
JOB NO. 12294-01  
DATE MAY 2022  
DESIGNER RG  
CHECKED JD DRAWN AL  
SHEET C2.02



Date: Aug 26, 2024, 3:33pm, User ID: Easdeade  
File: P:\2294\2294\01 Design\Civil\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARPOOL/Digital Globe, Texas Orthomography Program, USDA Farm Service Agency.



### SEWER LEGEND

BOUNDARY/PROPERTY LINE	---
5 YR FLOODPLAIN	---
100 YR FLOODPLAIN	---
FUTURE CONTOURS	---
EXISTING CONTOURS MAJOR	---
EXISTING CONTOURS MINOR	---
EXISTING FENCE	---
EXISTING BARBED WIRE FENCE	X X X
TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	---
EXISTING WATER	W
PROPOSED WATER	W
EXISTING SEWER	SS
FUTURE SEWER	SS
PROPOSED SEWER	SS

QUANTITY TABLE			
ITEM #	ITEM DESCRIPTION	UNIT	QTY
857	30" FIBERGLASS REINFORCED PIPE (SN72)(10'-15')	LF	109
857	30" FIBERGLASS REINFORCED PIPE (SN72)(15'-20')	LF	223
857	30" FIBERGLASS REINFORCED PIPE (SN72) (20'-25')	LF	768
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	2
845	REMOVE EXISTING PROPERTY FENCING	LF	70
845	INSTALL PROPERTY FENCING	LF	54
845	FENCE GATE 16' TYPE 1	EA	3
507	TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	LF	2,256
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,100
866	SEWER MAIN TV INSPECTION	LF	1,100

THESE DOCUMENTS CONFORM TO CONSTRUCTION RECORD DOCUMENTS AND HAVE BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUM APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
AUGUST 2024

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

NOTES:  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER.

CONTRACTOR TO INSTALL EROSION CONTROL MATTING ON SLOPES STEEPER THAN 4:1

**CAUTION!!**  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

SEWER	
DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP	
ADDRESS: 1381 COUNTY ROAD 651	
CITY: DEVINE	STATE: TEXAS ZIP: 78016
PHONE# XX	FAX# XX
SAWS BLOCK MAP# XX TOTAL EDU'S XX TOTAL ACREAGE XX	
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX	
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405	

**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #270 | TBPUS FIRM REGISTRATION #1008890

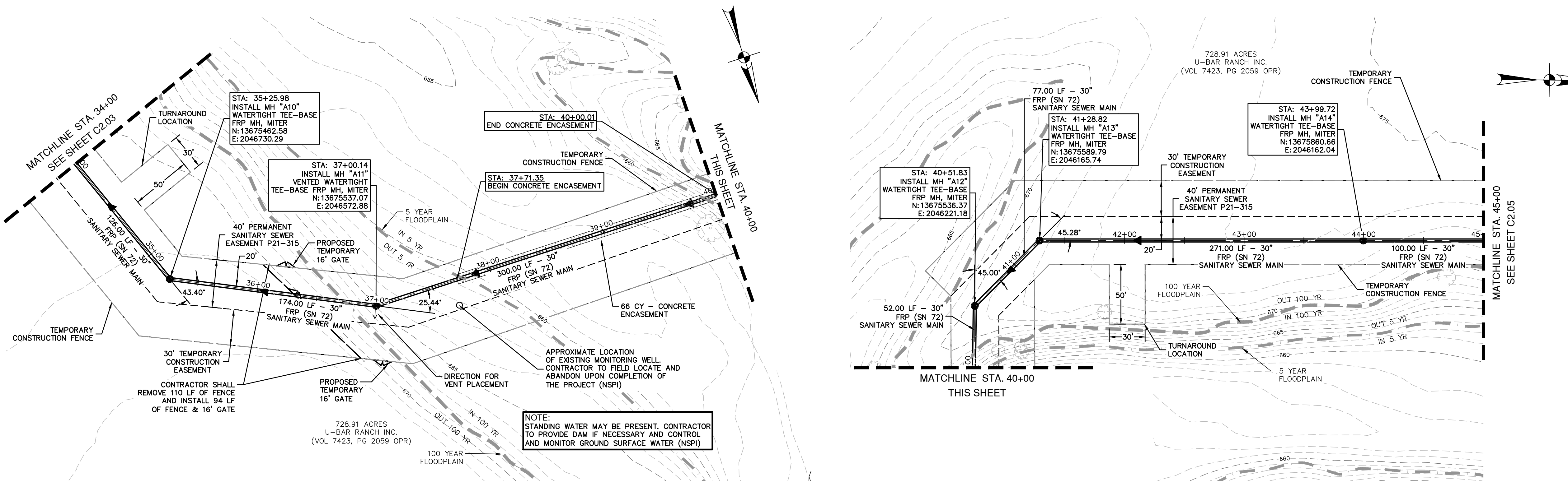
**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS  
SANITARY SEWER LINE PLAN & PROFILE  
STA 23+00 - 34+00

PLAT NO. XXXXXX  
JOB NO. 12294-01  
DATE MAY 2022  
DESIGNER RG  
CHECKED JD DRAWN AL  
SHEET C2.03



Date: Aug 26, 2024, 3:34pm, User ID: Easdaada  
File: P:\229401\Design\Civil\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARCO/Digital Globe, Texas Orthology Program, USDA Farm Service Agency.



## SEWER LEGEND

BOUNDARY/PROPERTY LINE	---
5 YR FLOODPLAIN	---
100 YR FLOODPLAIN	---
FUTURE CONTOURS	---
EXISTING CONTOURS MAJOR	---
EXISTING CONTOURS MINOR	---
EXISTING FENCE	---
EXISTING BARBED WIRE FENCE	---
TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	---
EXISTING WATER	---
PROPOSED WATER	---
EXISTING SEWER	---
FUTURE SEWER	---
PROPOSED SEWER	---

ITEM #	ITEM DESCRIPTION	UNIT	QTY
857	30" FIBERGLASS REINFORCED PIPE (SN72)(6'-10')	LF	194
857	30" FIBERGLASS REINFORCED PIPE (SN72)(10'-15')	LF	103
857	30" FIBERGLASS REINFORCED PIPE (SN72)(15'-20')	LF	397
857	30" FIBERGLASS REINFORCED PIPE (SN72)(20'-25')	LF	406
858	CONCRETE ENCASEMENT	CY	66
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	5
507	TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	LF	2,437
845	REMOVE EXISTING PROPERTY FENCING	LF	110
845	INSTALL PROPERTY FENCING	LF	94
845	FENCE GATE 16' TYPE 1	EA	3
554	EROSION CONTROL MATTING	SY	55
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,100
866	SEWER MAIN TV INSPECTION	LF	1,100

THESE DOCUMENTS CONFORM TO THE RECORD DOCUMENTS PREPARED BY THE CONTRACTOR, ISSUED ADDENDUM APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
AUGUST 2024

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

**NOTES:**  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER.

CONTRACTOR TO INSTALL EROSION CONTROL MATTING ON SLOPES STEEPER THAN 4:1

**CAUTION!!**  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

SEWER	
DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP	
ADDRESS: 1381 COUNTY ROAD 651	
CITY: DEVINE	STATE: TEXAS ZIP: 78016
PHONE# XX	FAX# XX
SAWS BLOCK MAP# XX TOTAL EDU'S XX TOTAL ACREAGE XX	
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX	
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405	

DATE	NO.	REVISION



**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #008880

**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS  
SANITARY SEWER LINE PLAN & PROFILE  
STA 34+00 - 45+00

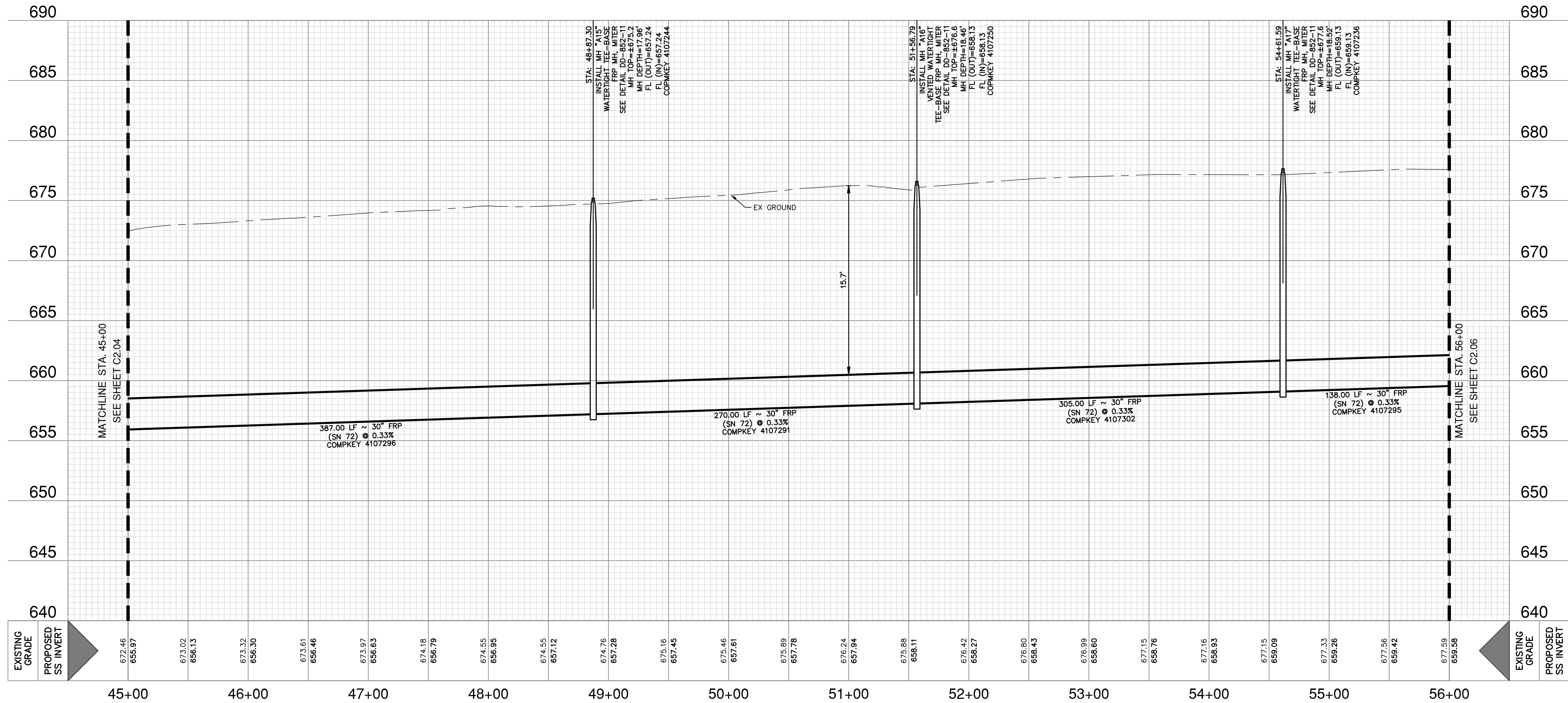
PLAT NO.	XXXXXX
JOB NO.	12294-01
DATE	MAY 2022
DESIGNER	RG
CHECKED	JD DRAWN AL
SHEET	C2.04

100% REVIEW SET



Date: Aug 26, 2024, 3:25pm, User ID: Easdesda  
File: P:\229401\Design\Civil\Sheet1\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARPOOL, Digital Globe, Texas Orthology Program, USDA Farm Service Agency.



## SEWER LEGEND

BOUNDARY/PROPERTY LINE	---
5 YR FLOODPLAIN	---
100 YR FLOODPLAIN	---
FUTURE CONTOURS	---
EXISTING CONTOURS MAJOR	---
EXISTING CONTOURS MINOR	---
EXISTING FENCE	---
EXISTING BARBED WIRE FENCE	---
TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	---
EXISTING WATER	---
PROPOSED WATER	---
EXISTING SEWER	---
FUTURE SEWER	---
PROPOSED SEWER	---

QUANTITY TABLE			
ITEM #	ITEM DESCRIPTION	UNIT	QTY
857	30" FIBERGLASS REINFORCED PIPE (SN72)(15'-20')	LF	1,100
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	3
507	TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	LF	2,168
845	REMOVE EXISTING PROPERTY FENCING	LF	70
845	INSTALL PROPERTY FENCING	LF	54
845	FENCE GATE 16' TYPE 1	EA	3
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,100
866	SEWER MAIN TV INSPECTION	LF	1,100

THESE DOCUMENTS CONFORM TO THE RECORD DRAWING. I HEREBY CERTIFY THAT THESE DOCUMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WERE PREPARED UNDER MY SUPERVISION.

*Jason T. Diamond*

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

PLAN OF RECORD  
AUGUST 2024

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

**NOTES:**  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER.  
CONTRACTOR TO INSTALL EROSION CONTROL MATTING ON SLOPES STEEPER THAN 4:1.

**CAUTION!!**  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

SEWER	
DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP	
ADDRESS: 1381 COUNTY ROAD 651	
CITY: DEVINE	STATE: TEXAS ZIP: 78016
PHONE# XX	FAX# XX
SAWS BLOCK MAP# XX TOTAL EDU'S XX TOTAL ACREAGE XX	
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX	
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405	

DATE	
NO.	
REVISION	



**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #070 | TBPUS FIRM REGISTRATION #1008880

**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS  
SANITARY SEWER LINE PLAN & PROFILE  
STA 45+00 - 56+00

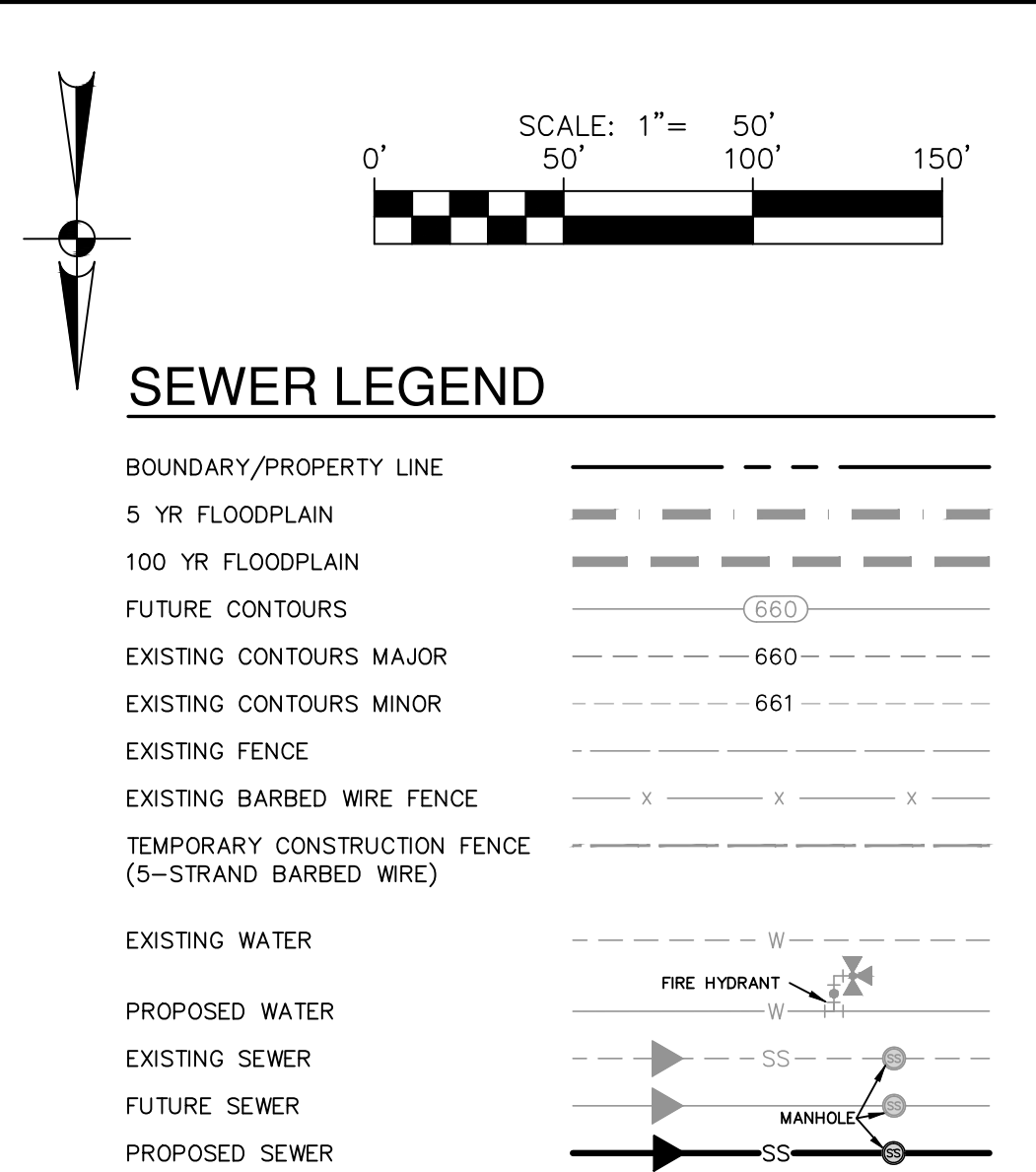
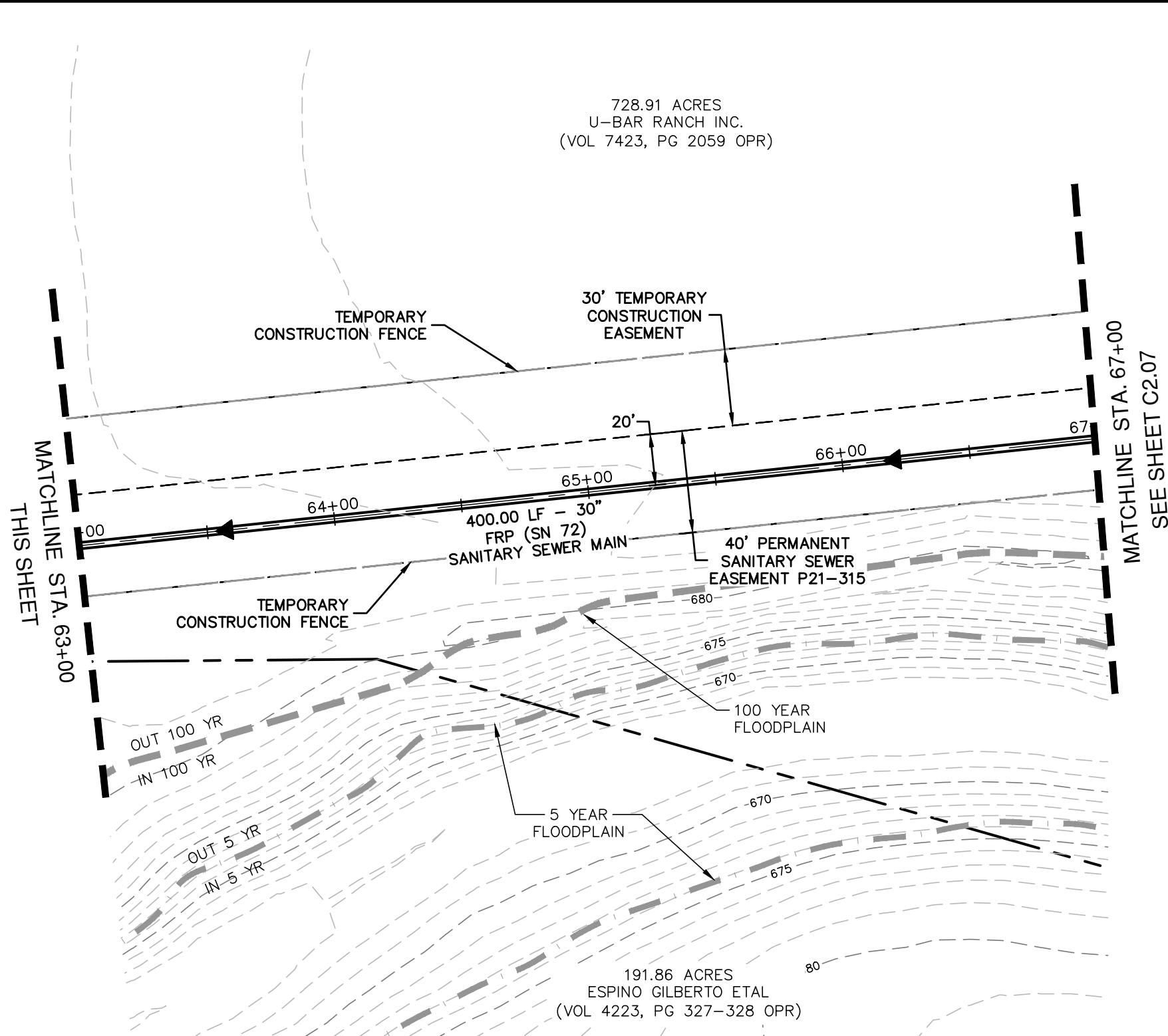
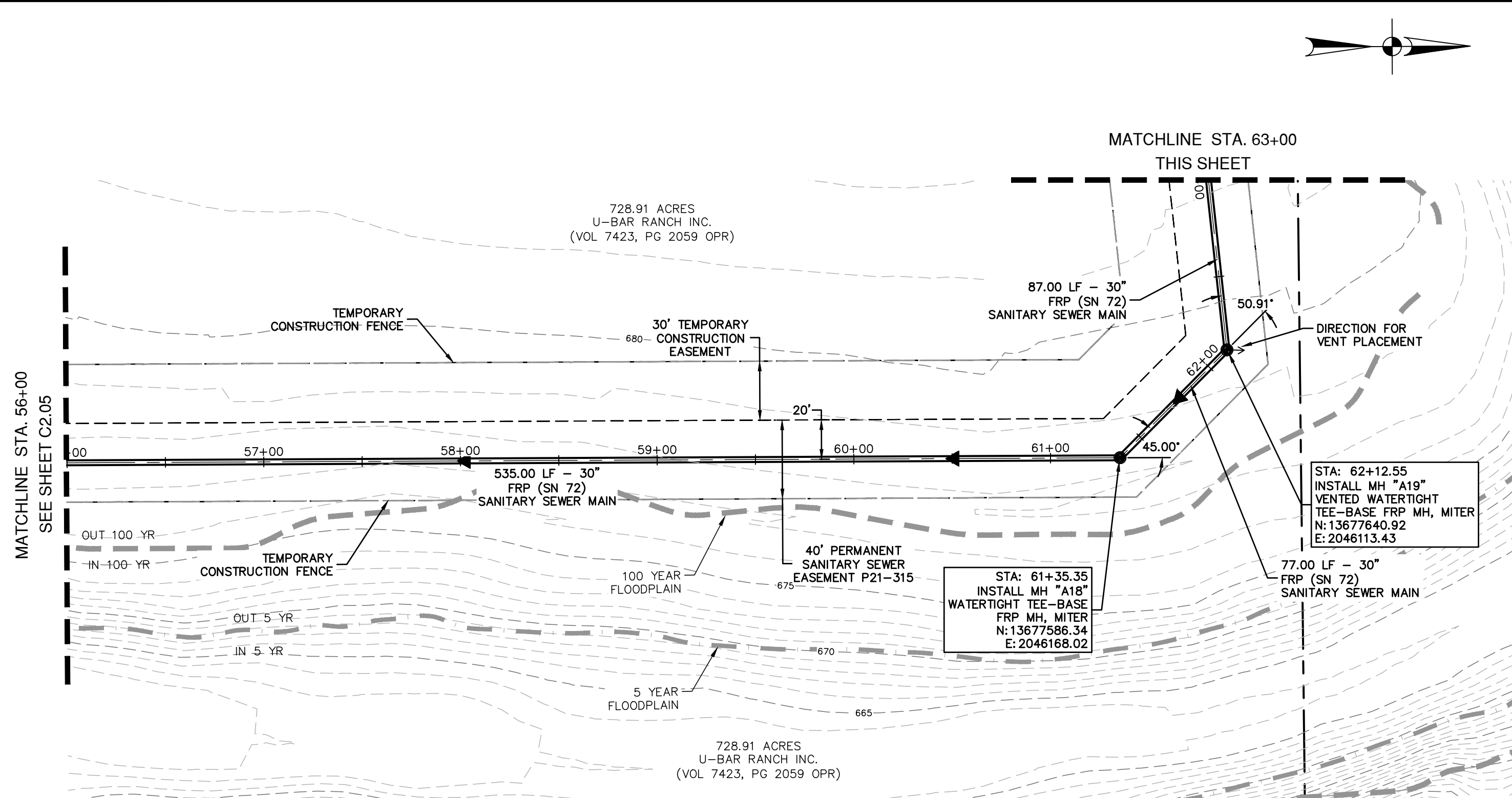
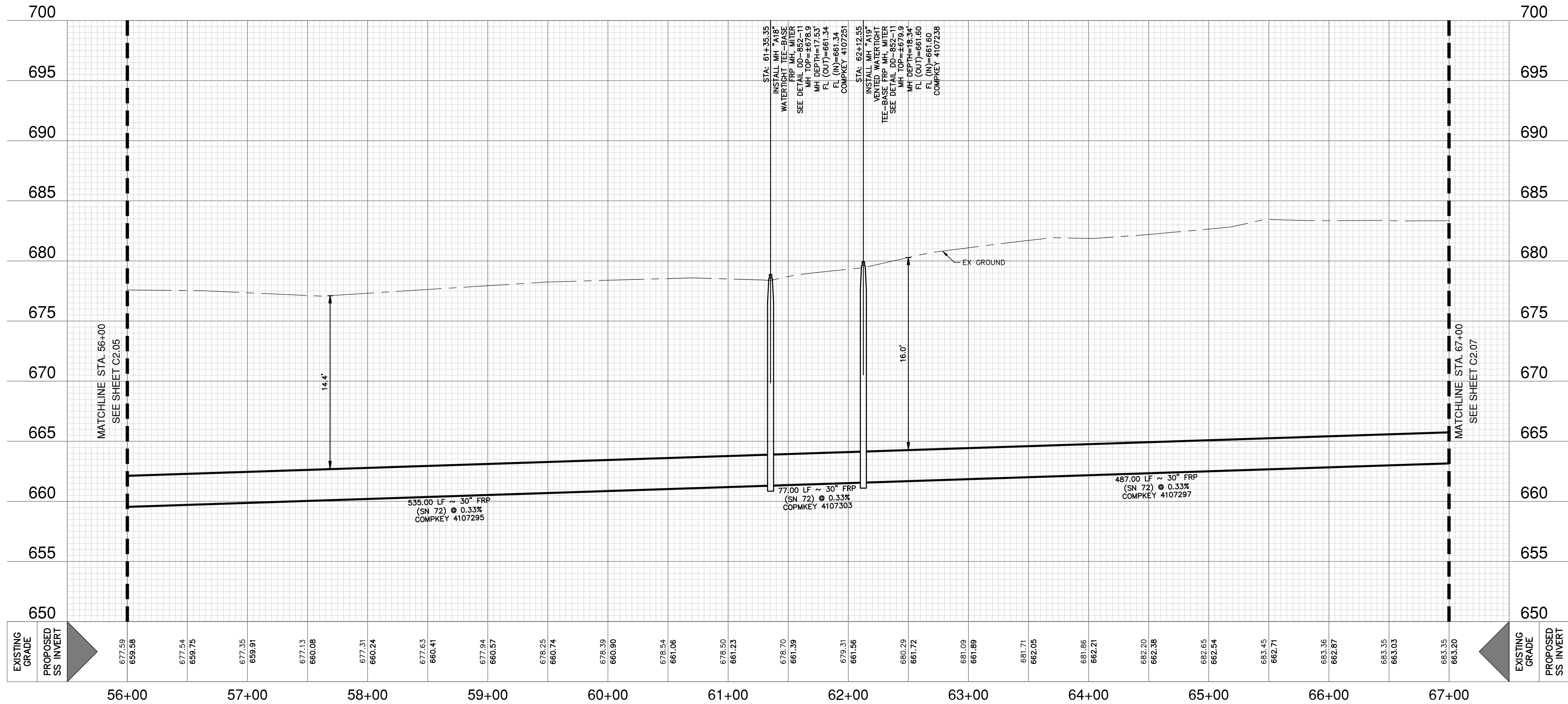
PLAT NO.	XXXXXX
JOB NO.	12294-01
DATE	MAY 2022
DESIGNER	RG
CHECKED	JD DRAWN AL
SHEET	C2.05

100% REVIEW SET



Date: Aug 26, 2024, 3:37pm, User ID: Easdeade  
File: P:\229401\Design\Civil\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARCO/Digital Globe, Texas Orthoregistry Program, USDA Farm Service Agency.



QUANTITY TABLE			
ITEM #	ITEM DESCRIPTION	UNIT	QTY
857	30" FIBERGLASS REINFORCED PIPE (SN72)(15'-20')	LF	867
857	30" FIBERGLASS REINFORCED PIPE (SN72) (20'-25')	LF	233
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	2
507	TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	LF	2,282
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,100
866	SEWER MAIN TV INSPECTION	LF	1,100

THESE DOCUMENTS CONFORM TO THE RECORD DOCUMENTS AND HAVE BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUM, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFI'S PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
AUGUST 2024

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

NOTES:  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER  
CONTRACTOR TO INSTALL EROSION CONTROL MATTING ON SLOPES STEEPER THAN 4:1

CAUTION!!  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

SEWER  
DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP  
ADDRESS: 1381 COUNTY ROAD 651  
CITY: DEVINE STATE: TEXAS ZIP: 78016  
PHONE# XX FAX# XX  
SAWS BLOCK MAP# XX TOTAL EDU'S XX TOTAL ACREAGE XX  
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP. FLAT NO. XXXXX  
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405

DATE

NO. REVISION

JASON T. DIAMOND  
2-7-24

PEAPE-DAWSON  
ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #070 | TPEL FIRM REGISTRATION #1008880

ECHTLE OFFSITE SEWER EXTENSION  
SAN ANTONIO, TEXAS

SANITARY SEWER LINE PLAN & PROFILE  
STA 56+00 - 67+00

PLAT NO. XXXXXX

JOB NO. 12294-01

DATE MAY 2022

DESIGNER RG

CHECKED JD DRAWN AL

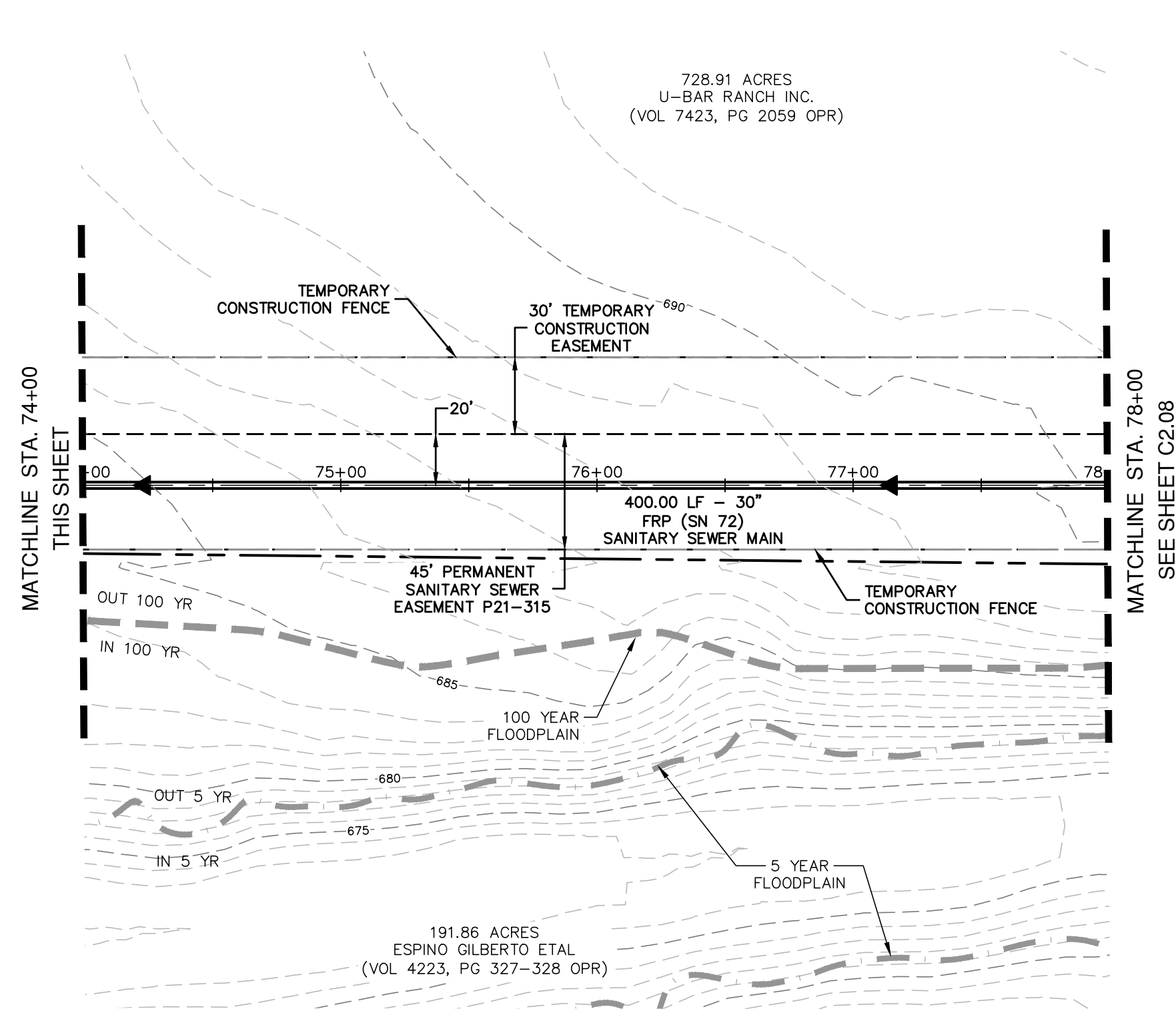
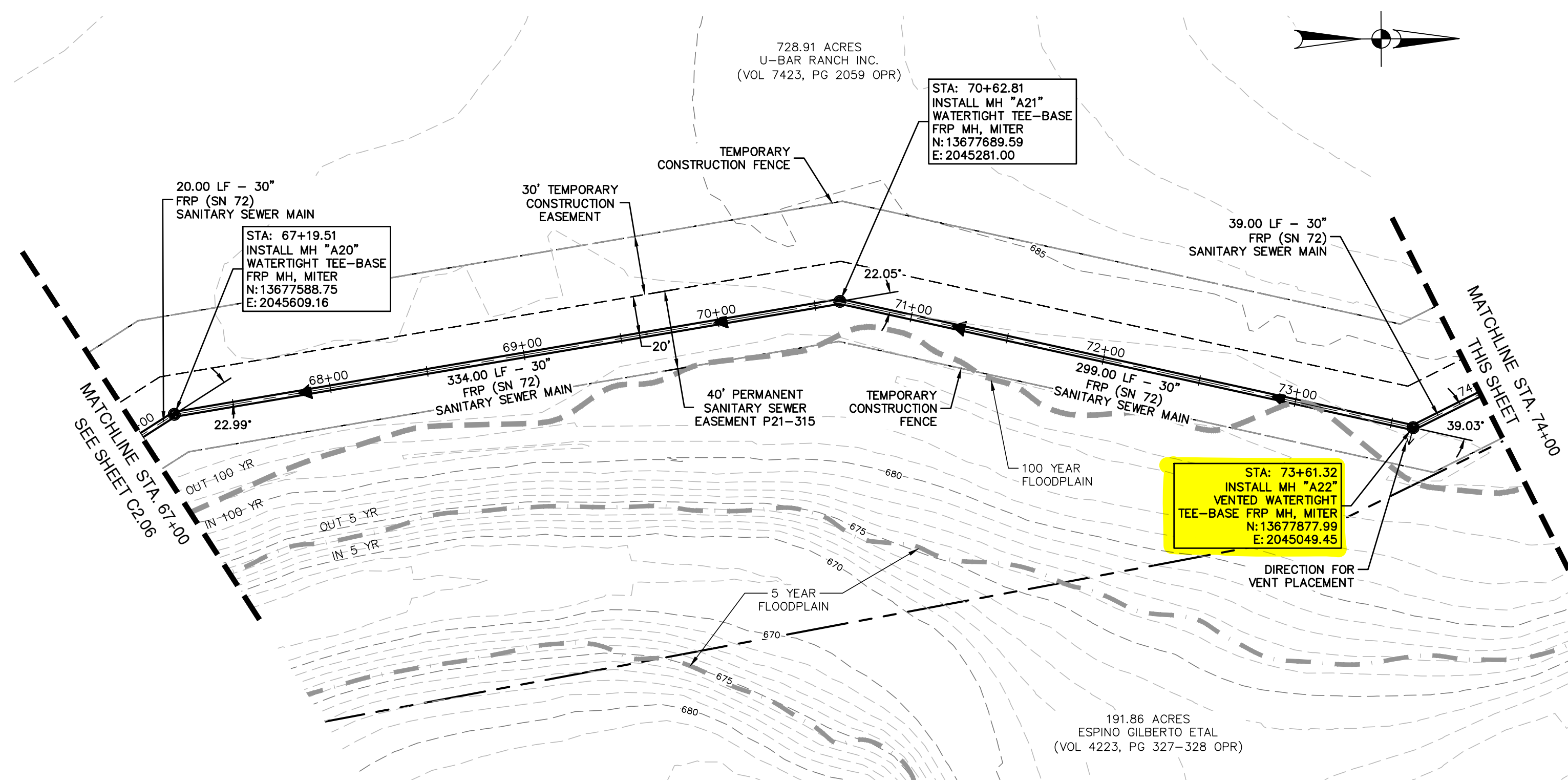
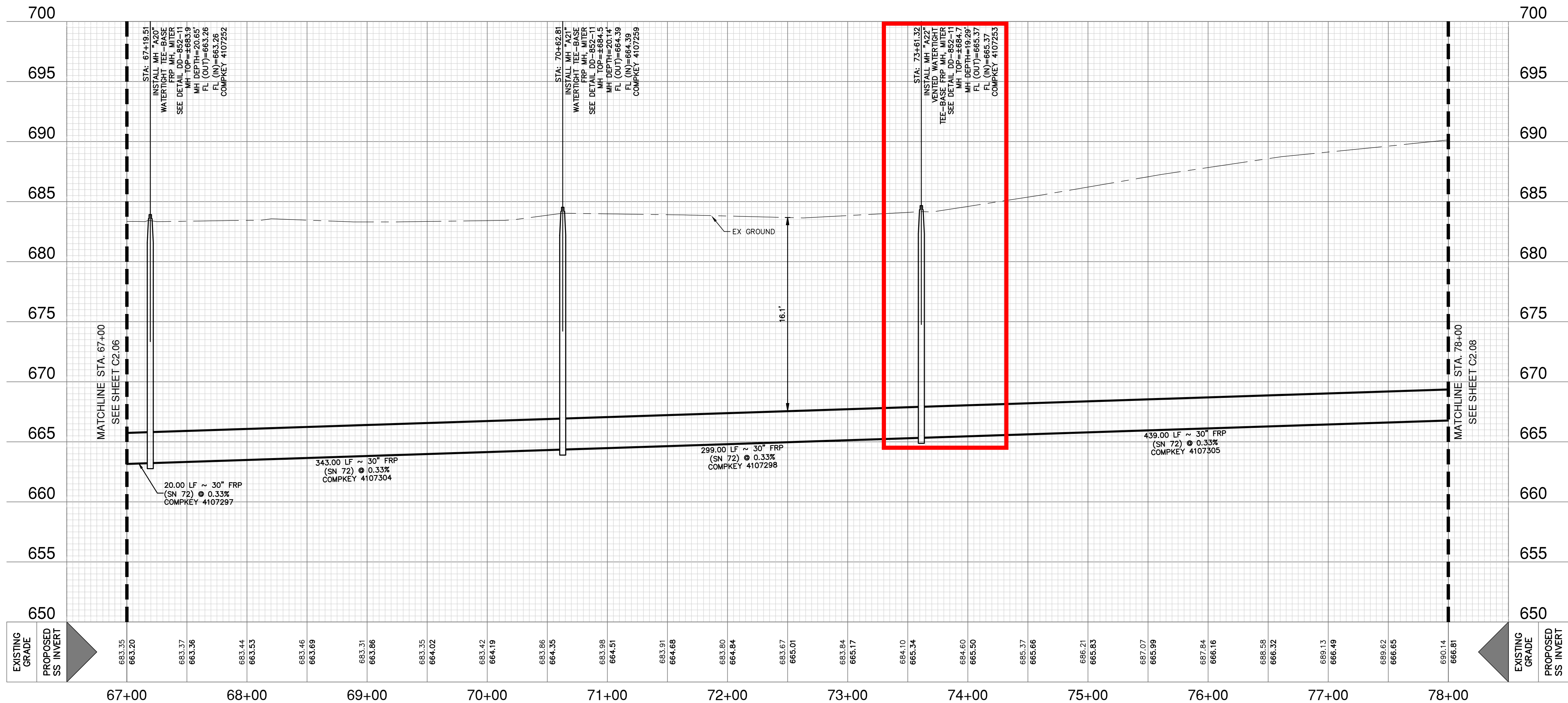
SHEET C2.06

100% REVIEW SET



Date: Aug 26, 2024, 3:39pm User ID: Easdaada  
File: P:\229401\Design\Civil\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/© UNLESS OTHERWISE NOTED. Imagery © 2016, CARPOOL/Digital Globe, Texas Orthoregistry Program, USDA Farm Service Agency.



## SEWER LEGEND

BOUNDARY/PROPERTY LINE	---
5 YR FLOODPLAIN	---
100 YR FLOODPLAIN	---
FUTURE CONTOURS	---
EXISTING CONTOURS MAJOR	---
EXISTING CONTOURS MINOR	---
EXISTING FENCE	---
EXISTING BARBED WIRE FENCE	---
TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	---
EXISTING WATER	---
PROPOSED WATER	---
EXISTING SEWER	---
FUTURE SEWER	---
PROPOSED SEWER	---

QUANTITY TABLE				
ITEM #	ITEM DESCRIPTION	UNIT	QTY	
857	30" FIBERGLASS REINFORCED PIPE (SN72)(15'-20')	LF	668	
857	30" FIBERGLASS REINFORCED PIPE (SN72) (20'-25')	LF	432	
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	3	
507	TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	LF	2,200	
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,100	
866	SEWER MAIN TV INSPECTION	LF	1,100	

THESE DOCUMENTS CONFORM TO THE RECORD DOCUMENTS AND HAVE BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUMS, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
I HEREBY CERTIFY THAT THESE DOCUMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WERE PREPARED UNDER MY SUPERVISION

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

NOTES:  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER

CAUTION!!  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

SEWER

DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP  
ADDRESS: 1381 COUNTY ROAD 651  
CITY: DEVINE STATE: TEXAS ZIP: 78016  
PHONE# XX FAX# XX  
SAWS BLOCK MAP# XX TOTAL EDU'S XX TOTAL ACREAGE XX  
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAN NO. XXXXX  
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405

**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #070 | TBPUS FIRM REGISTRATION #1008880

**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS  
SANITARY SEWER LINE PLAN & PROFILE  
STA 67+00 - 78+00

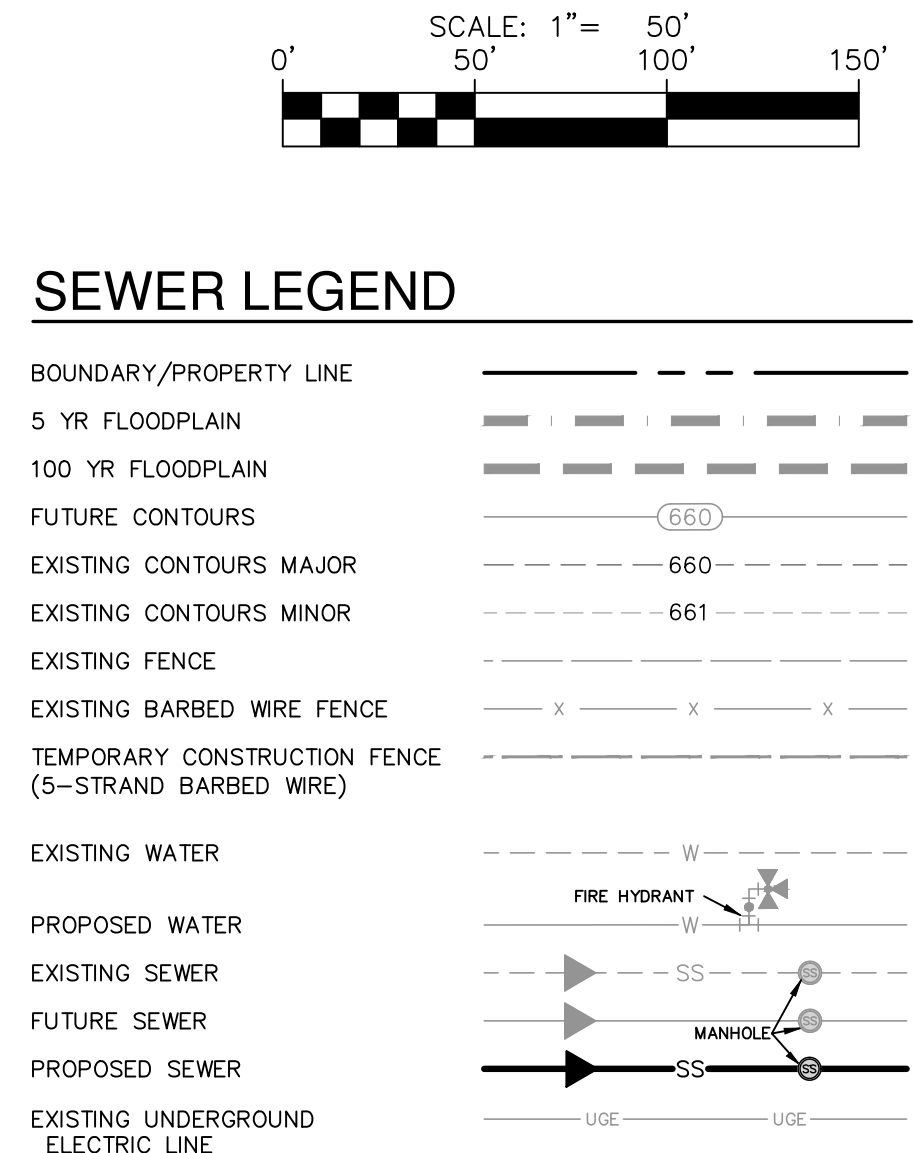
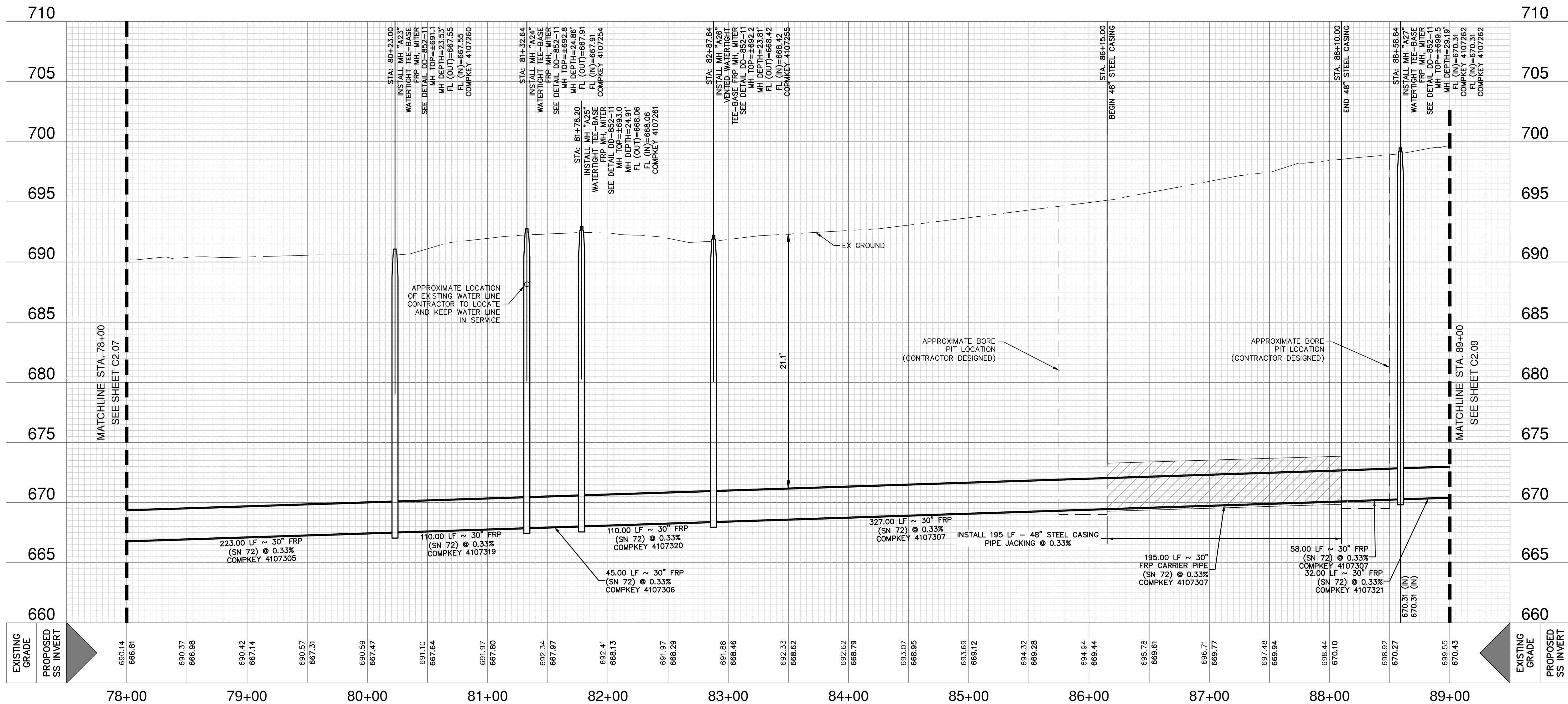
PLAT NO. XXXXXX  
JOB NO. 12294-01  
DATE MAY 2022  
DESIGNER RG  
CHECKED JD DRAWN AL  
SHEET C2.07

100% REVIEW SET



Date: Aug 26, 2024, 3:40pm, User ID: E:\projects\1229401\Design\DWG\Sheet\SS-1229401-PP.dwg  
File: P:\1229401\Design\DWG\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, COPCO/Digital Globe, Texas Orthoregistry Program, USDA Farm Service Agency.



QUANTITY TABLE			
ITEM #	ITEM DESCRIPTION	UNIT	QTY
857	30" FIBERGLASS REINFORCED PIPE (SN72) (20'-25')	LF	737
857	30" FIBERGLASS REINFORCED PIPE (SN72) (25'-30')	LF	168
856	30" FRP CARRIER PIPE (SN72) FOR PIPE JACKING	LF	195
856	48" STEEL CASING (BORE)	LF	195
856	JACKING, BORING (48")	LF	195
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	5
507	TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	LF	2,100
845	REMOVE EXISTING PROPERTY FENCING	LF	75
845	INSTALL PROPERTY FENCING	LF	59
845	FENCE GATE 16' TYPE 1	EA	2
503	REPLACE DRIVEWAY WITH FLEX BASE AND 1-1/2" TYPE D HMAC (6' COMP)	SY	388
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	905
866	SEWER MAIN TV INSPECTION	LF	1,100

THESE DOCUMENTS CONFORM TO THE RECORD DRAWING. I HEREBY CERTIFY THAT THESE DOCUMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WERE PREPARED UNDER MY SUPERVISION.

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

PLAN OF RECORD  
AUGUST 2024

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

**NOTES:**  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER.  
CONTRACTOR TO INSTALL EROSION CONTROL MATTING ON SLOPES STEEPER THAN 4:1.

**CAUTION!!**  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

**SEWER**

DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP  
ADDRESS: 1381 COUNTY ROAD 651  
CITY: DEVINE STATE: TEXAS ZIP: 78016  
PHONE# XX FAX# XX  
SAWS BLOCK MAP# XX TOTAL EDP'S XX TOTAL ACREAGE XX  
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX  
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405

DATE  
NO. REVISION

STATE OF TEXAS  
JASON T. DIAMOND  
96532  
PROFESSIONAL ENGINEER  
2-7-24

**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #070 | TBPUS FIRM REGISTRATION #1008880

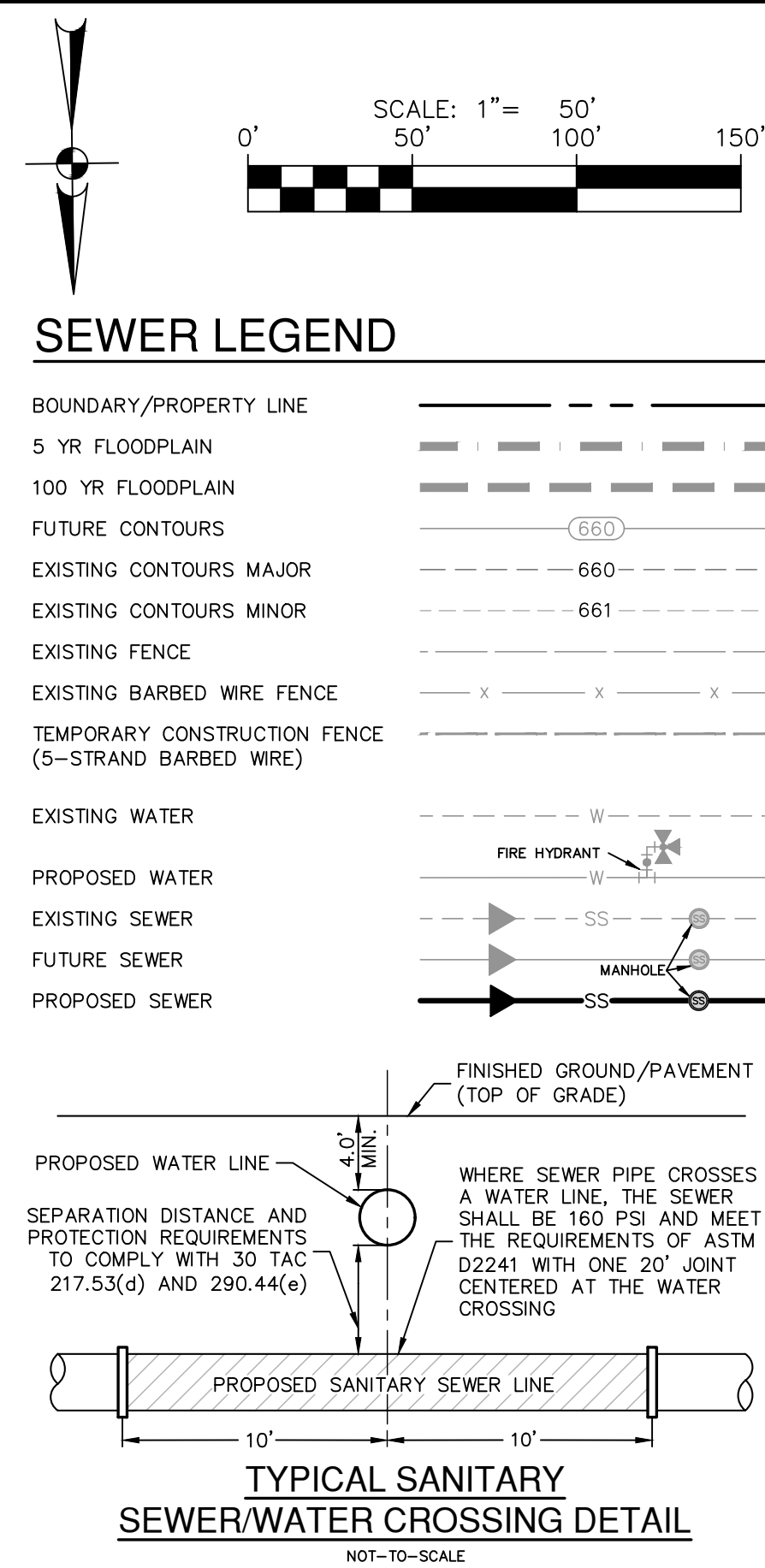
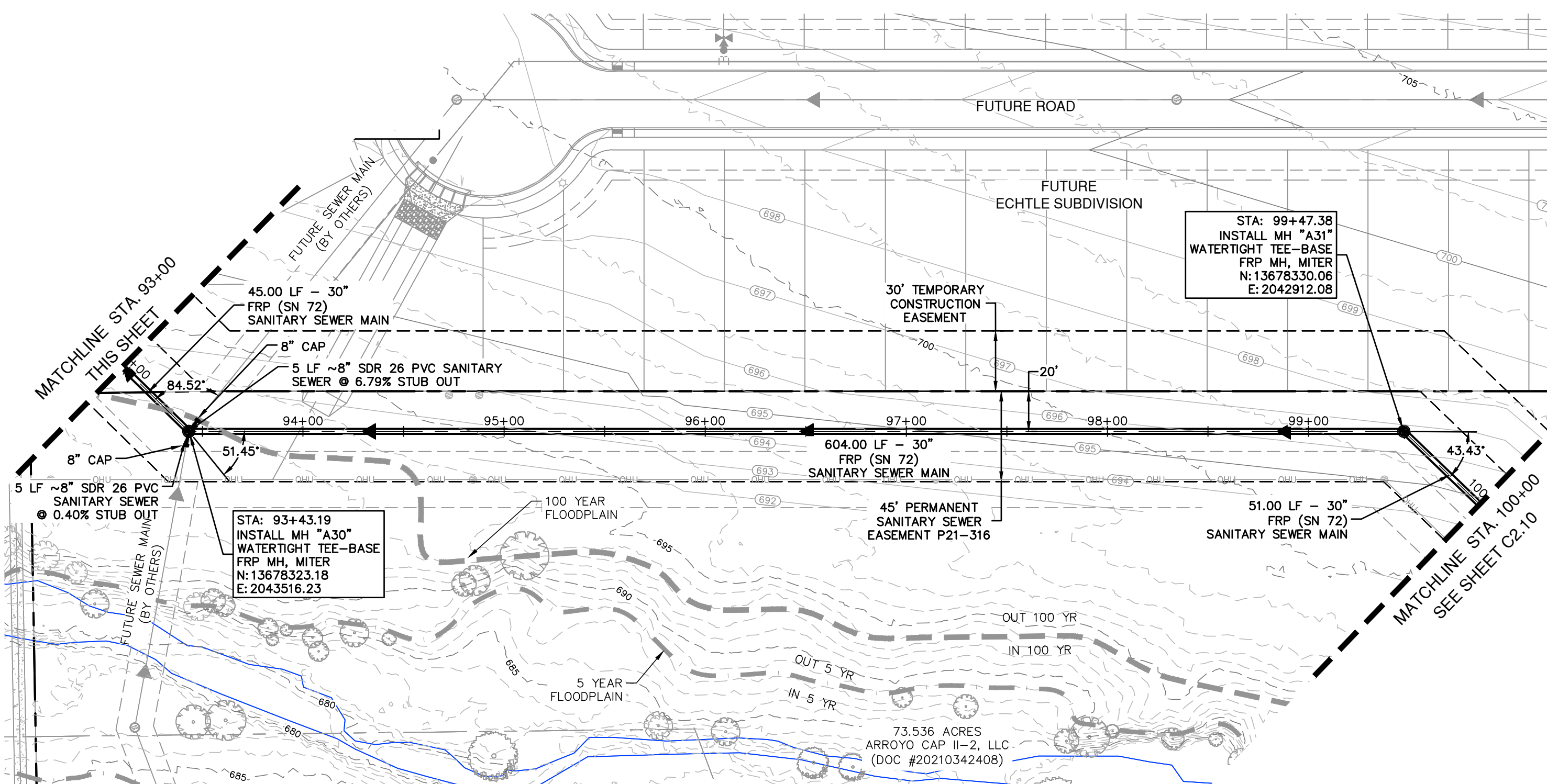
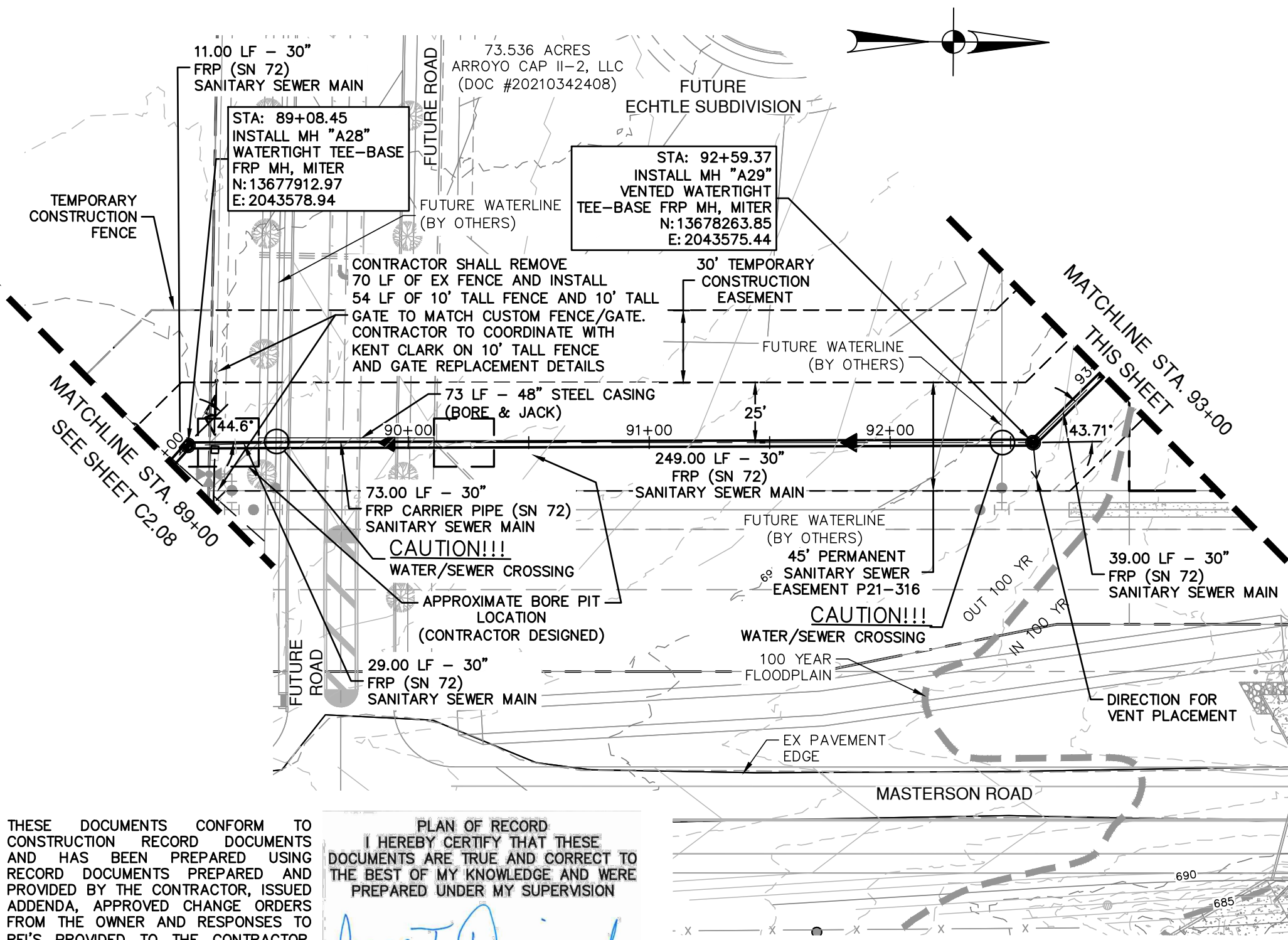
**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS  
SANITARY SEWER LINE PLAN & PROFILE  
STA 78+00 - 89+00

PLAT NO. XXXXXX  
JOB NO. 12294-01  
DATE MAY 2022  
DESIGNER RG  
CHECKED JD DRAWN AL  
SHEET C2.08



Date: Aug 26, 2024, 3:42pm User ID: Easchtle  
File: P:\22\94\01\Design\Civil\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARPOOL/Digital Globe, Texas Orthographic Program, USDA Farm Service Agency.



THESE DOCUMENTS CONFORM TO CONSTRUCTION RECORD DOCUMENTS AND HAS BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUM, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
AUGUST 2024

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

QUANTITY TABLE			
ITEM #	ITEM DESCRIPTION	UNIT	QTY
848	8" SDR 26 PVC	LF	10
857	30" FIBERGLASS REINFORCED PIPE (SN72) (20'-25')	LF	566
857	30" FIBERGLASS REINFORCED PIPE (SN72) (25'-30')	LF	451
856	30" FRP CARRIER PIPE (SN72) FOR PIPE JACKING	LF	73
856	48" STEEL CASING (BORE)	LF	73
856	JACKING, BORING (48")	LF	73
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	4
507	TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	LF	62
845	REMOVE EXISTING PROPERTY FENCING	LF	70
845	INSTALL PROPERTY FENCING	LF	54
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,027
866	SEWER MAIN TV INSPECTION	LF	1,100
SC5	FENCE GATE (10' TALL) ALLOWANCE	EA	1

NOTES:  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER.

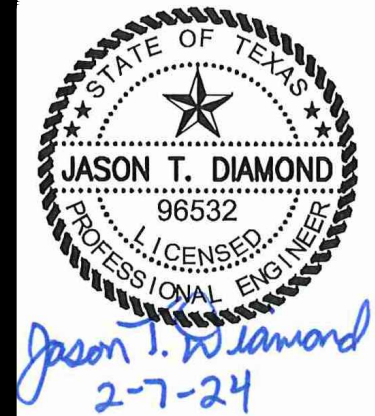
CONTRACTOR TO INSTALL EROSION CONTROL MATTING ON SLOPES STEEPER THAN 4:1

CAUTION!!  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

SEWER			
DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP			
ADDRESS: 1381 COUNTY ROAD 651			
CITY: DEVINE	STATE: TEXAS	ZIP: 78016	
PHONE# XX	FAX# XX		
SAWS BLOCK MAP# XX TOTAL DED'S XX TOTAL ACREAGE XX			
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP. PLAT NO. XXXXX			
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405			

DATE	NO.	REVISION



**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #070 | TYPE FIRM REGISTRATION #1008880

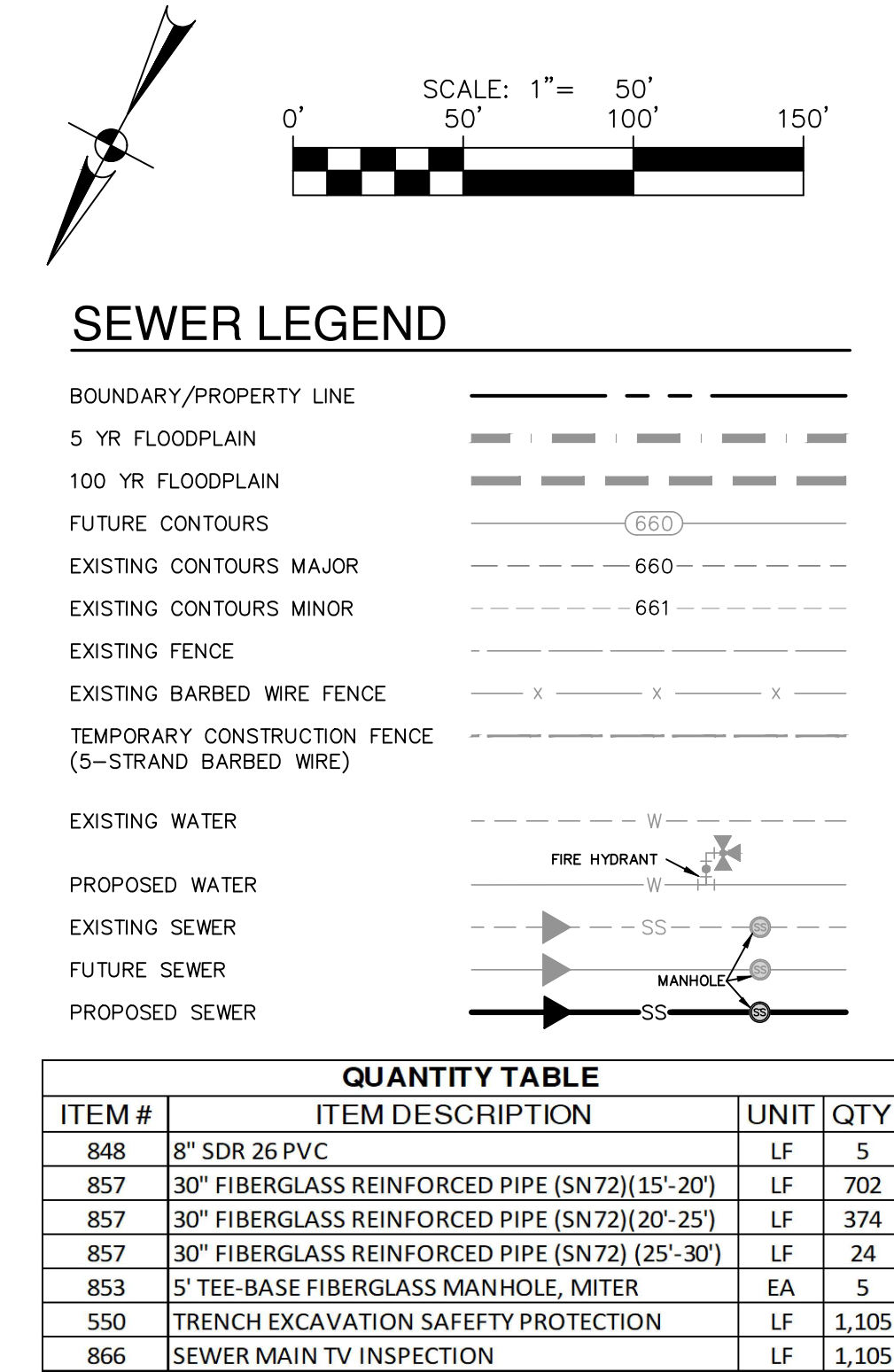
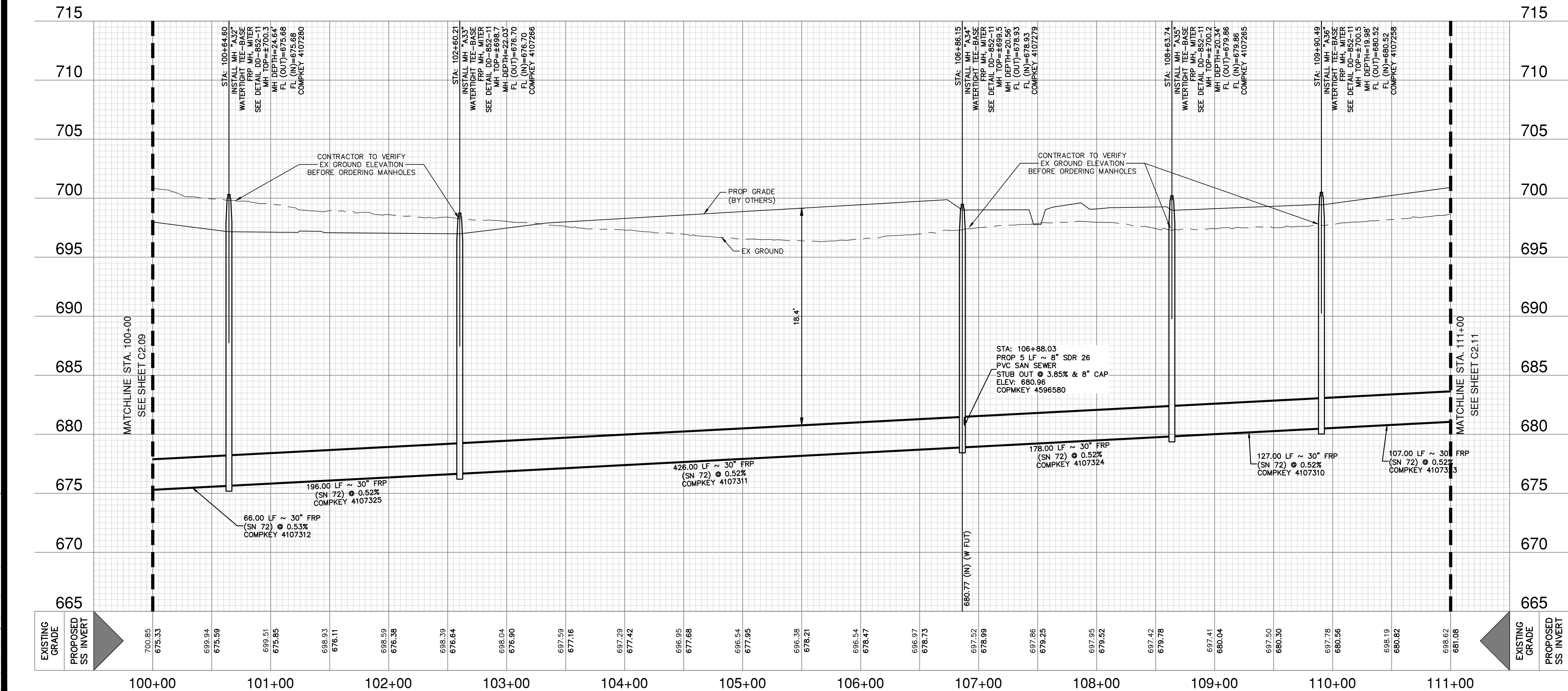
**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS  
SANITARY SEWER LINE PLAN & PROFILE  
STA 89+00 - 100+00

PLAT NO.	XXXXXX
JOB NO.	12294-01
DATE	MAY 2022
DESIGNER	RG
CHECKED	JD
DRAWN	AL
SHEET	C2.09



Date: Aug 26, 2024, 3:44pm User ID: Easchda  
File: P:\22\94\01\Design\Civil\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARCO/Digital Globe, Texas Orthomography Program, USDA Farm Service Agency.



THESE DOCUMENTS CONFORM TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION RECORD DOCUMENTS AND HAVE BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUMS, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
I HEREBY CERTIFY THAT THESE DOCUMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WERE PREPARED UNDER MY SUPERVISION.

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

NOTES:  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER.

CAUTION!!  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

SEWER

DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP  
ADDRESS: 1381 COUNTY ROAD 651  
CITY: DEVINE STATE: TEXAS ZIP: 78016  
PHONE# XX FAX# XX  
SAWS BLOCK MAP# XX TOTAL EUD'S XX TOTAL ACREAGE XX  
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX  
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405

DATE

NO. REVISION

JASON T. DIAMOND  
2-7-24

PLAT NO. XXXXXX

JOB NO. 12294-01

DATE MAY 2022

DESIGNER RG

CHECKED JD DRAWN AL

SHEET C2.10

PAPE-DAWSON ENGINEERS

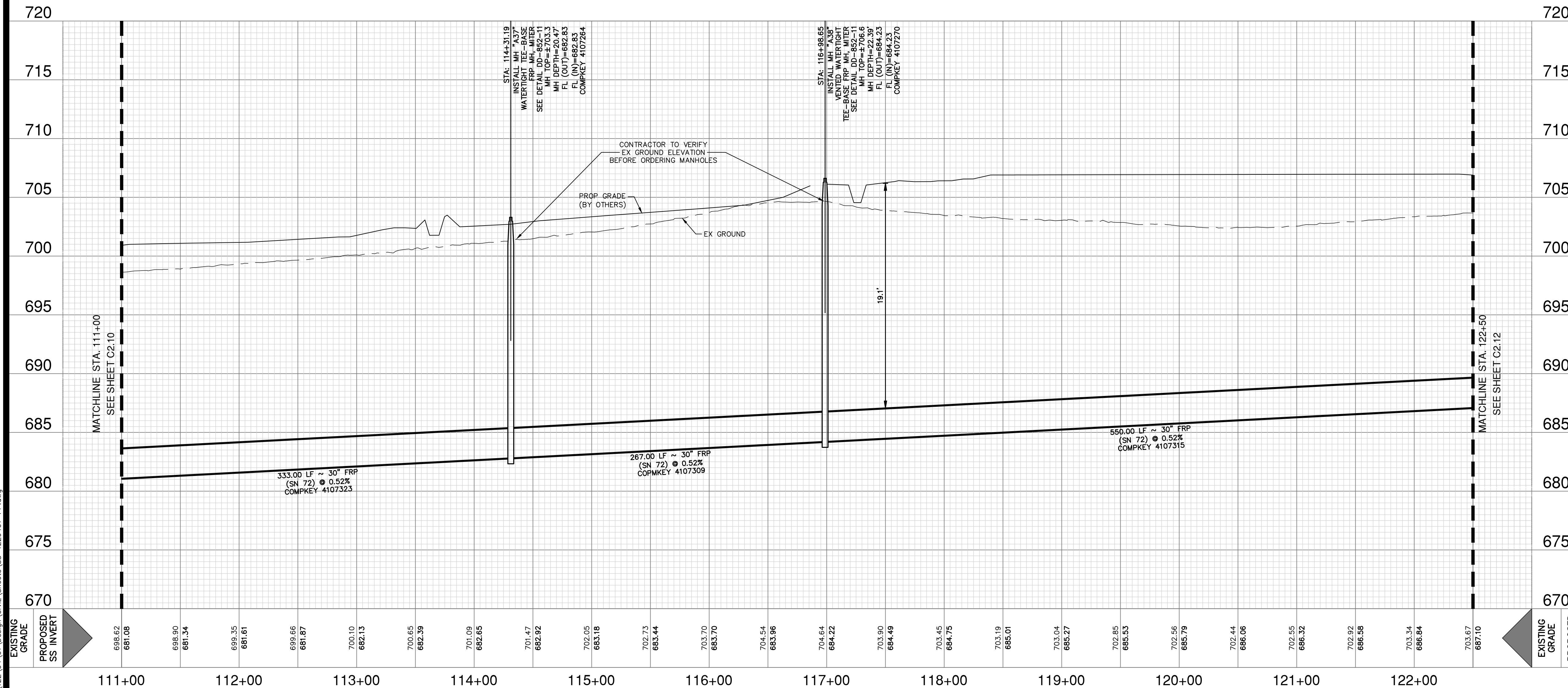
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TPEF FIRM REGISTRATION #470 | TPELS FIRM REGISTRATION #1008860

ECHTLE OFFSITE SEWER EXTENSION  
SAN ANTONIO, TEXAS  
SANITARY SEWER LINE PLAN & PROFILE  
STA 100+00 - 111+00



Date: Aug 26, 2024, 3:45pm, User ID: Easdestda  
File: P:\229401\Design\DWG\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016,CARPOODigital Globe, Texas Orthoregistry Program, USDA Farm Service Agency.



SCALE: 1"= 50'  
0' 50' 100' 150'

### SEWER LEGEND

BOUNDARY/PROPERTY LINE	---
5 YR FLOODPLAIN	---
100 YR FLOODPLAIN	---
FUTURE CONTOURS	---
EXISTING CONTOURS MAJOR	---
EXISTING CONTOURS MINOR	---
EXISTING FENCE	---
EXISTING BARBED WIRE FENCE	---
TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	---
EXISTING WATER	---
PROPOSED WATER	---
EXISTING SEWER	---
FUTURE SEWER	---
PROPOSED SEWER	---

ITEM #	ITEM DESCRIPTION	UNIT	QTY
857	30" FIBERGLASS REINFORCED PIPE (SN72) (15'-20')	LF	1,025
857	30" FIBERGLASS REINFORCED PIPE (SN72) (20'-25')	LF	125
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	2
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,150
866	SEWER MAIN TV INSPECTION	LF	1,150

73.536 ACRES  
ARROYO CAP II-2, LLC  
(DOC #20210342408)

73.536 ACRES  
ARROYO CAP II-2, LLC  
(DOC #20210342408)

715 THESE DOCUMENTS CONFORM TO THE RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUM APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

710 I HEREBY CERTIFY THAT THESE DOCUMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WERE PREPARED UNDER MY SUPERVISION

705 **PLAN OF RECORD**  
AUGUST 2024

700 **NOTES:**  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER

695 CONTRACTOR TO INSTALL EROSION CONTROL MATTING ON SLOPES STEEPER THAN 4:1

690 **CAUTION!!**  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

680 **SEWER**

675 DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP  
ADDRESS: 1381 COUNTY ROAD 651  
CITY: DEVINE STATE: TEXAS ZIP: 78016  
PHONE# XX FAX# XX  
SAWS BLOCK MAP# XX TOTAL EDITIONS XX TOTAL ACREAGE XX  
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX  
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405

720

715

710

705

700

695

690

685

680

675

670

DATE

NO. REVISION

Jason T. Diamond  
2-7-24

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #070 | TBPUS FIRM REGISTRATION #1008880

**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS

**SANITARY SEWER LINE PLAN & PROFILE**  
STA 111+00 - 122+50

PLAT NO. XXXXXX

JOB NO. 12294-01

DATE MAY 2022

DESIGNER RG

CHECKED JD DRAWN AL

SHEET C2.11

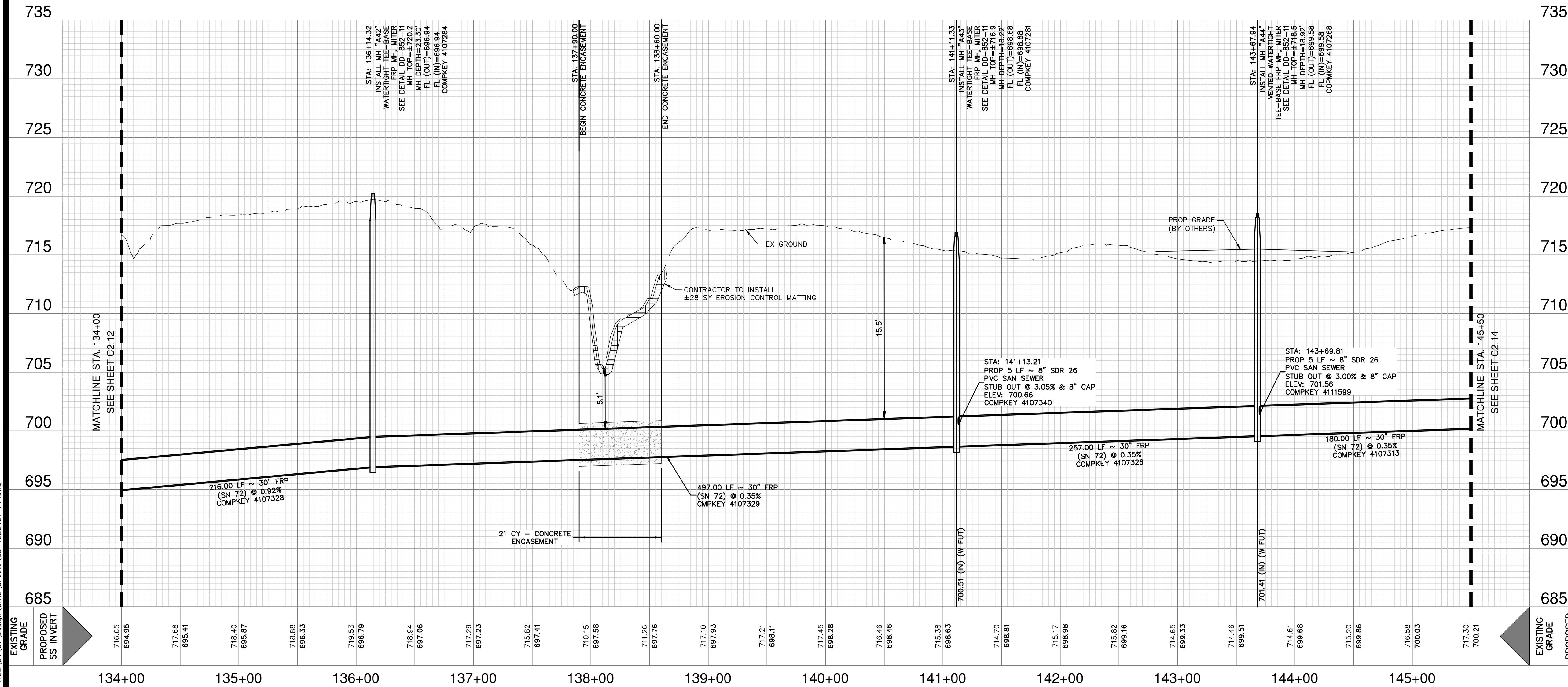






Date: Aug 26, 2024, 3:48pm, User ID: Easdeada  
File: P:\22\9401\Design\Civil\Sheet\SS-1229401-PP.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARPOOL/Digital Globe, Texas Orthomography Program, USDA Farm Service Agency.



## SEWER LEGEND

BOUNDARY/PROPERTY LINE	---
5 YR FLOODPLAIN	---
100 YR FLOODPLAIN	---
FUTURE CONTOURS	---
EXISTING CONTOURS MAJOR	---
EXISTING CONTOURS MINOR	---
EXISTING FENCE	---
EXISTING BARBED WIRE FENCE	---
TEMPORARY CONSTRUCTION FENCE (5-STRAND BARBED WIRE)	---
EXISTING WATER	---
PROPOSED WATER	---
EXISTING SEWER	---
FUTURE SEWER	---
PROPOSED SEWER	---

ITEM #	ITEM DESCRIPTION	UNIT	QTY
848	8" SDR 26 PVC	LF	10
857	30" FIBERGLASS REINFORCED PIPE (SN72)(6'-10')	LF	12
857	30" FIBERGLASS REINFORCED PIPE (SN72)(10'-15')	LF	63
857	30" FIBERGLASS REINFORCED PIPE (SN72)(15'-20')	LF	739
857	30" FIBERGLASS REINFORCED PIPE (SN72)(20'-25')	LF	336
858	CONCRETE ENCASEMENT	CY	21
853	5' TEE-BASE FIBERGLASS MANHOLE, MITER	EA	3
554	EROSION CONTROL MATTING	SY	28
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,160
866	SEWER MAIN TV INSPECTION	LF	1,160

THESE DOCUMENTS CONFORM TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DOCUMENTS AND HAVE BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUMS, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFIs PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

**PLAN OF RECORD**  
AUGUST 2024

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

**NOTES:**  
CONTRACTOR MAY ENCOUNTER THE PRESENCE OF GROUNDWATER DURING CONSTRUCTION. CONTRACTOR SHALL REFER TO THE SUPPLEMENTARY SPECIFICATIONS FOR THE CONTROL AND MONITORING OF GROUNDWATER

**CAUTION!!**  
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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

<b>SEWER</b>			
DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP			
ADDRESS: 1381 COUNTY ROAD 651			
CITY: DEVINE		STATE: TEXAS	ZIP: 78016
PHONE# XX		FAX# XX	
SAWS BLOCK MAP# XX		TOTAL EDA'S XX TOTAL ACREAGE XX	
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX			
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405			

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TYPE FIRM REGISTRATION #008880

**ECHTLE OFFSITE SEWER EXTENSION**  
SAN ANTONIO, TEXAS

**SANITARY SEWER LINE PLAN & PROFILE**  
STA 134+00 - 145+50

PLAT NO. XXXXXX  
JOB NO. 12294-01  
DATE MAY 2022  
DESIGNER RG  
CHECKED JD DRAWN AL  
SHEET C2.13

100% REVIEW SET







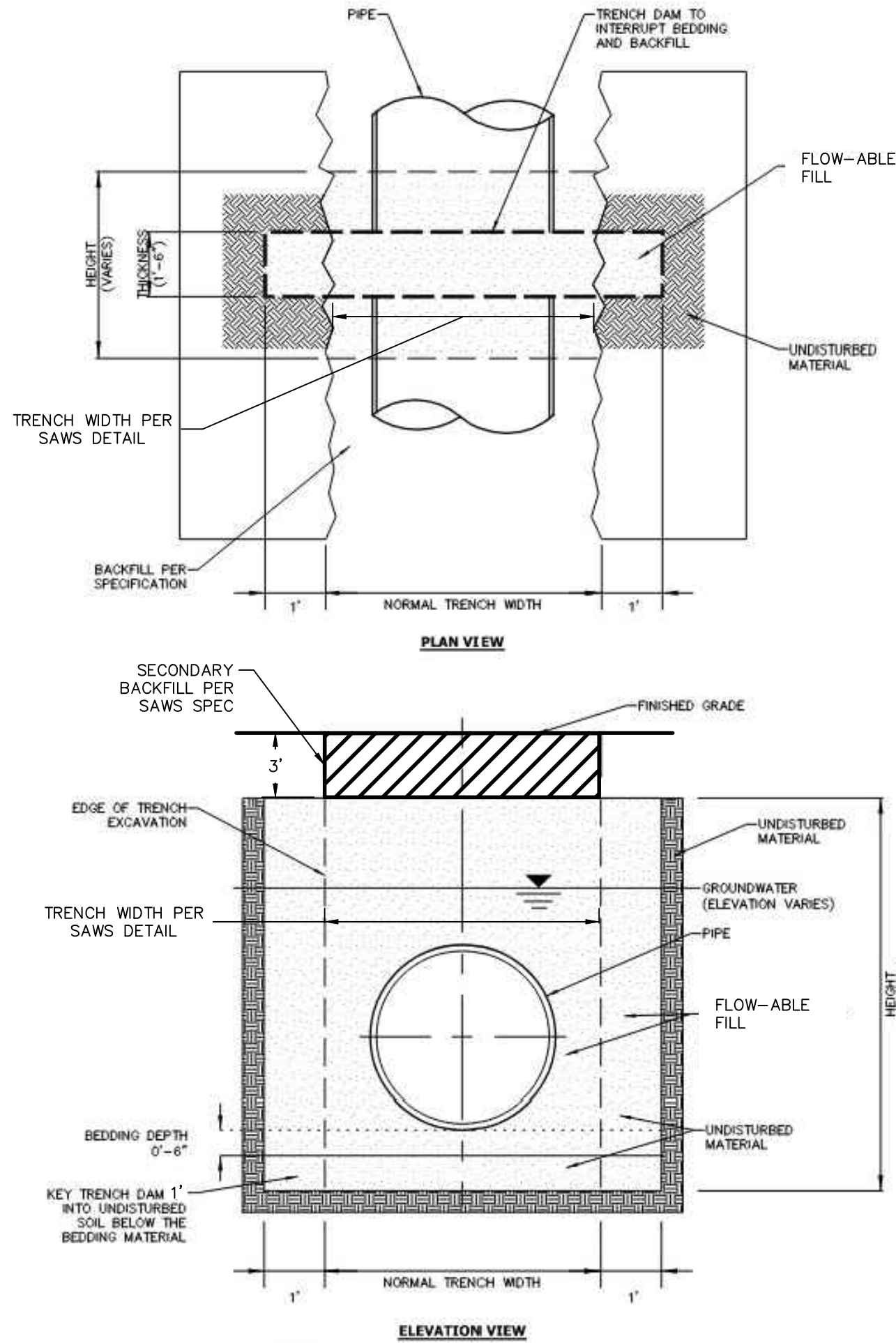
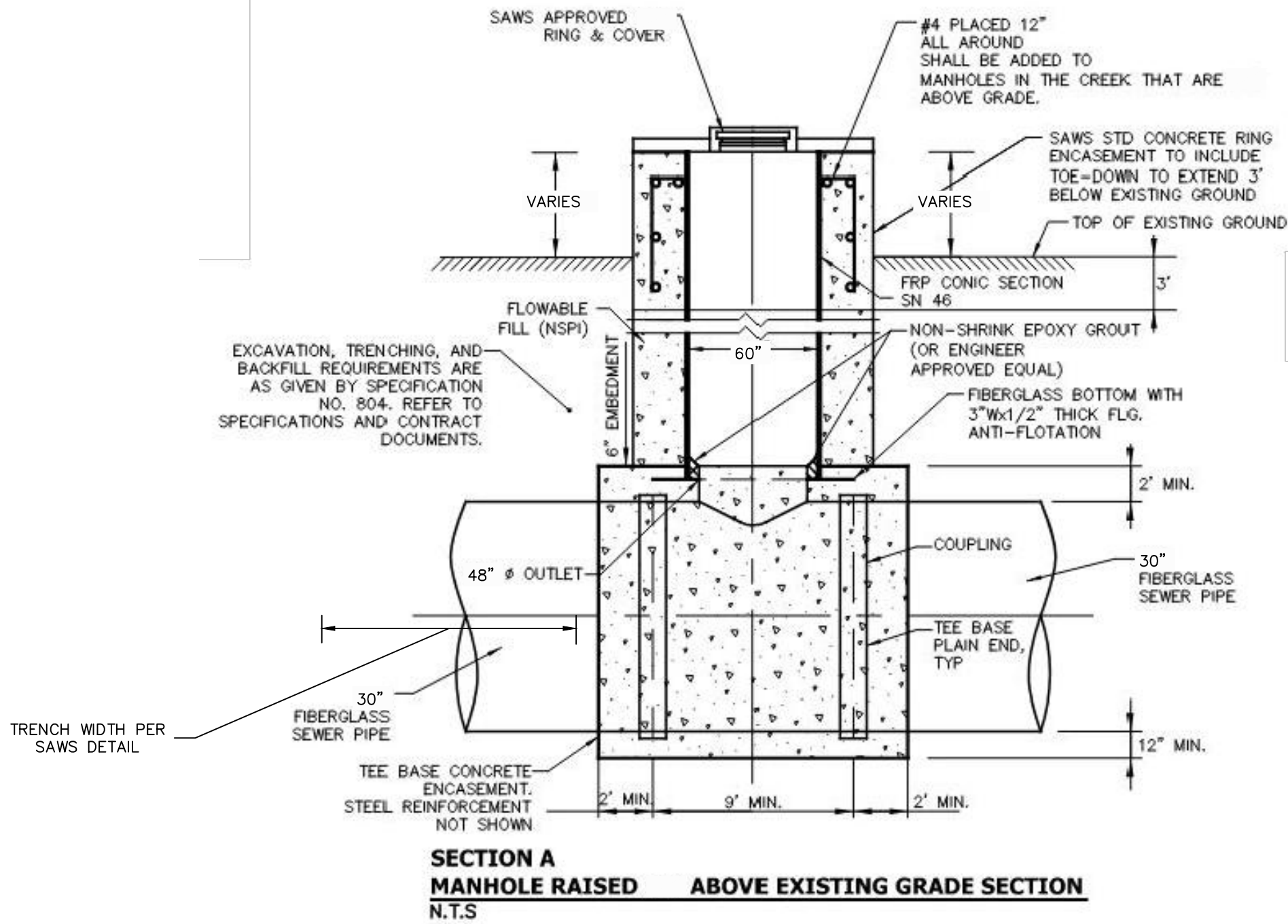
Date: Aug 26, 2024, 3:49pm, User ID: Easchda  
File: P:\2229401\Design\Civil\Sheet\SS-1229401-01.dwg

THESE DOCUMENTS CONFORM TO CONSTRUCTION RECORD DOCUMENTS AND HAS BEEN PREPARED USING RECORD DOCUMENTS PREPARED AND PROVIDED BY THE CONTRACTOR, ISSUED ADDENDUM, APPROVED CHANGE ORDERS FROM THE OWNER AND RESPONSES TO RFI'S PROVIDED TO THE CONTRACTOR. THE COMPLETENESS AND ACCURACY OF THE RECORD DOCUMENTS PROVIDED BY THE CONTRACTOR HAS NOT BEEN VALIDATED OR CONFIRMED.

PLAN OF RECORD  
AUGUST 2024

COMPLETION DATE: 12/14/2023  
SAWS JOB NO.: 21-4405

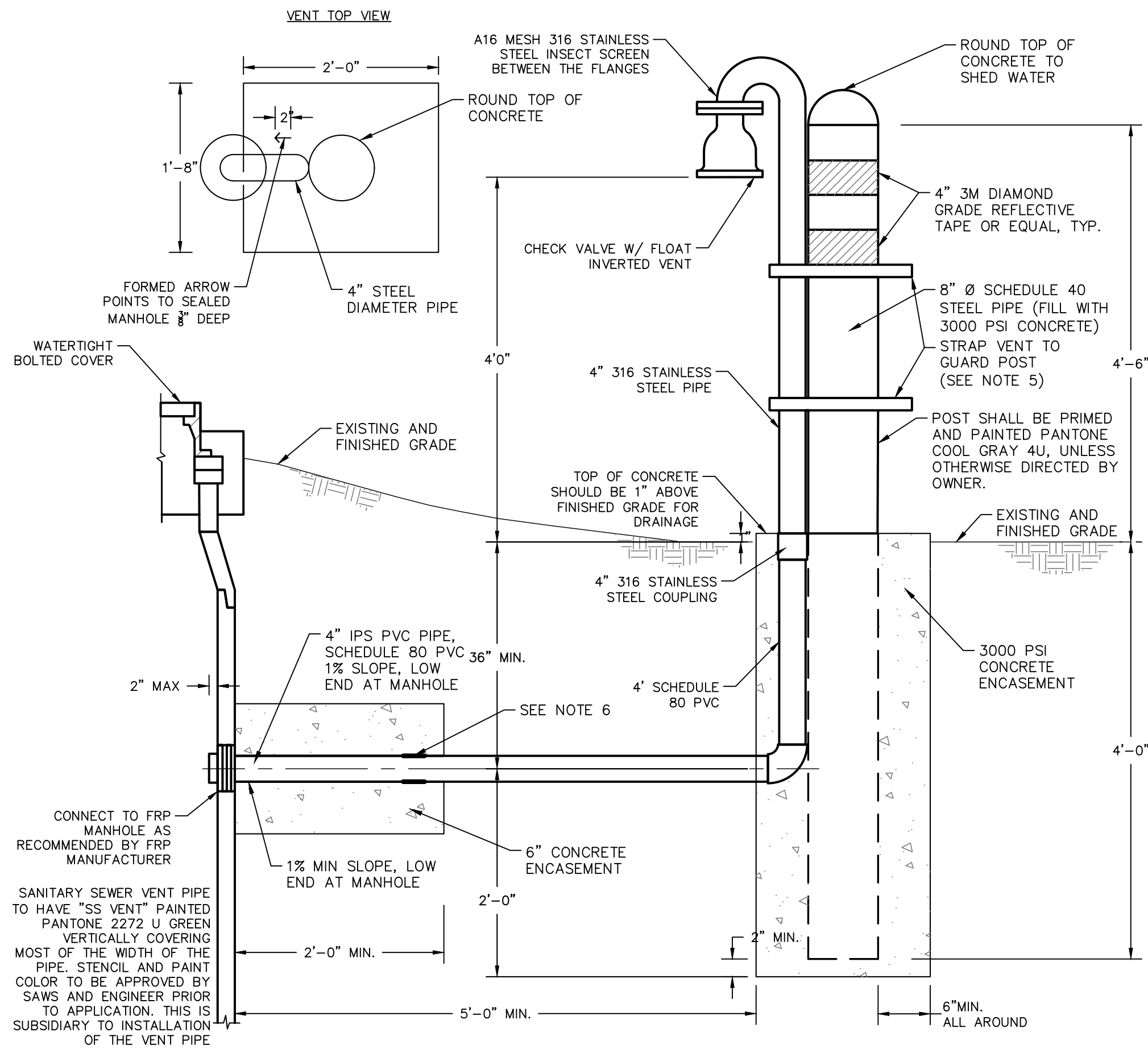
PLAN OF RECORD  
I HEREBY CERTIFY THAT THESE DOCUMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND WERE PREPARED UNDER MY SUPERVISION  
*Jason T. Diamond*  
NOTE: INFORMATION FOR PLAN OF RECORD DRAWING WAS PROVIDED TO PAPE-DAWSON ENGINEERS BY THE CONTRACTOR. PAPE-DAWSON ENGINEERS HAS NOT VERIFIED THE ACCURACY OR/COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.



NOTES:  
1. TRENCH DAMS SHALL BE INSTALLED AS INDICATED ON THE CONTRACT DRAWINGS OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL OBTAIN SAWS STANDARD DETAILS FROM SAWS WEBSITE.  
[HTTPS://APPS.SAWS.ORG/BUSINESS\\_CENTER/SPECS/CONSTSPECS/](https://apps.saws.org/business_center/specs/constspecs/)  
UNLESS OTHERWISE NOTED WITHIN DESIGN PLANS

MANHOLE VENT TABLE											
STA	MANHOLE	VENT	EXISTING GROUND ELEVATION	EXISTING FLOODPLAIN ELEV. AT VENT	FUTURE GROUND ELEVATION	FUTURE FLOODPLAIN ELEV. AT VENT	MANHOLE TOP ELEVATION	VENT ELEVATION	INCLUDES VENT CHECK VALVE	LENGTH OF PIPE FROM MANHOLE TO VENT (FT)	VENT LOCATION (LT/RT OF MH)
13+63.08	MH A3	Y	664.1	-	-	-	664.6	668.1	N	5	LT
24+06.89	MH A8	Y	666.3	-	-	-	666.8	670.3	N	5	LT
37+00.12	MH A11	Y	664.9	666.56	-	667.34	667.5	668.9	N	10	RT
51+56.78	MH A16	Y	676.1	-	-	-	676.6	680.1	N	5	RT
62+12.53	MH A19	Y	679.4	-	-	-	679.9	683.4	N	5	RT
73+61.31	MH A22	Y	684.2	-	-	-	684.7	688.2	N	5	RT
82+87.83	MH A26	Y	691.7	-	-	-	692.2	695.7	N	5	RT
92+61.25	MH A29	Y	694.4	-	-	-	694.9	698.4	N	15	RT
106+88.03	MH A34	Y	697.3	698.52	699.0	-	699.5	703.0	N	15	RT
117+00.53	MH A38	Y	704.7	704.63	706.1	-	706.6	710.1	N	15	RT
131+42.22	MH A41	Y	715.2	-	-	-	715.6	719.2	N	15	RT
143+69.81	MH A44	Y	714.5	717.96	716.8	717.69	718.46	720.8	N	5	RT
156+79.37	MH A49	Y	724.7	726.05	-	726.37	726.87	728.7	N	5	RT



48" VENTED TEE BASE MANHOLE DETAIL  
N.T.S.

NOTES:

- REFER TO TABLE FOR MINIMUM ELEVATIONS OF VENT OPENING
- ALL PIPING BETWEEN MANHOLE AND GUARD POST MUST BE UNDERGROUND
- BACKFILL AROUND 4" IPS PVC PIPE, SCH80, SHALL BE FLOWABLE FILL WITH A MINIMUM THICKNESS OF 12 INCHES AT NO SEPARATE PAY ITEM
- MANHOLE VENTS SHALL BE SUBSIDIARY TO THE COST OF THE MANHOLE (NSPI)
- MINIMUM OF 2 VENT STRAPS, VENT STRAPS TO BE 316 STAINLESS STEEL
- WRAP PVC PIPE W/ 1" THICK CLOSED CELL FOAM AND TAPE IN PLACE PRIOR TO PLACING CONCRETE.

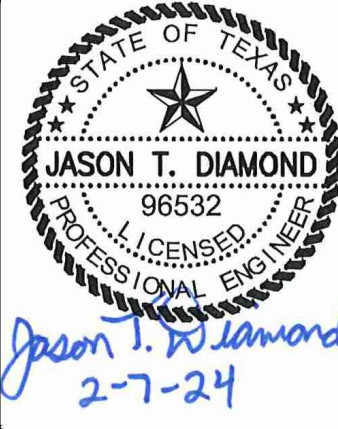
SEWER

DEVELOPER'S NAME: ENTRADA DEVELOPMENT GROUP	
ADDRESS: 1381 COUNTY ROAD 651	
CITY: DEVINE	STATE: TEXAS ZIP: 78016
PHONE# XX	FAX# XX
SAWS BLOCK MAP# XX TOTAL EDU'S XX TOTAL ACREAGE XX	
TOTAL LINEAR FOOTAGE OF PIPE: 15,480 LF ~ 30" FRP PLAT NO. XXXXX	
NUMBER OF LOTS XXX SAWS JOB NO. 21-4405	

ECHTLE OFFSITE SEWER EXTENSION  
SAN ANTONIO, TEXAS

SANITARY SEWER DETAILS SHEET 1

PLAT NO. XXXXXX  
JOB NO. 12294-01  
DATE MAY 2022  
DESIGNER RG  
CHECKED JD DRAWN AL  
SHEET C2.15



PAPE-DAWSON  
ENGINEERS  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TPE FIRM REGISTRATION #028890