

SPEED LIMIT SIGN
 SANITARY SEWER MANHOLE
 SANITARY SEWER LAMPHOLE

= SECTION IINE

= STATION

UTILITY COORDINATION BOX

	NUMBER	NOTIFIED
CITY OF SAPULPA		
PUBLIC WORKS		
DIRECTOR	918-216-4352	
STREET DEPARTMENT	918-216-1849	
UTILITY MAINTENANCE	918-248-5928	
ADMINISTRATOR	918-248-5928	
PARKS & RECREATION	918-227-5151	•
OKLAHOMA GAS & ELECTRIC	918-250-6257	(*)
OKLAHOMA NATURAL GAS CO. (Craig Powell)	918-831-8261	31
ONG HIGH PRESSURE PIPELINE	918-451-3814	×.
MTTA	918-830-0024	
COX COMMUNICATIONS (Brandon Wade)	918-286-4716	•
PUBLIC SERVICE CO. (Mike Bibby)	918-250-6257	
GENERAL TELEPHONE	918-451-3441	16
AT&T (Steve Spradlin)	918-576-2142	





Tulsa Engineering & Planning Associates, Inc. 9810 East 42nd Street, Suite 100, Tulsa, Oklahoma 74146 Phone: 918-252-9621 Fax: 918-340-5999 Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2023

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ODOT STANDARDS

ROADWAY	STANDARDS	TRAFFIC SIGNING STANDARDS	TRAFFIC CONTROL STANDARDS
(R-6) RSF-0	(R-45) CI-2-2	(T-101) PM1-1-03	(T-501) TCS1-1-01
(R-8) TFL-0	(R-46) SSIF-5-2	(T-114) RSD1-1-00	(T-504) TCS4-1-01
(R-14) SSS-2-1	(R-47) CIG-4-1	(T-115) RSD2-1-00	(T-505) TCS5-1-00
(R-15) ASCD-6-1	(R-48) MFC-5-1	(T-130) SBS1-1-00	(T-506) TCS6-1-02
(R-16) CSCD-6-2	(R-49) MJB-4-2	(T-131) SBS2-1-00	(T-508) TCS8-1-00
(R-17) LECS-5-2	(R-50) PRM-1-2	(T-136) GMS1-1-00	(T-509) TCS9-1-01
(R-22) PCPR-4-2	(R-52) PMD-1-1		
(R-25) WCR-4-2	(R-59) SPI-5-2	(T-138) SSP1-1-02	(T-510) TCS10-1-00
(R-26) TWD-2-2	(R-60) FPI-4-2	(T-139) SSA1-1-00	(T-514) TCS14-1-00
(R-34) PCES-5-1	(R-61) PBB-1-2		(T-519) TCS19-1-01
(R-42) PCI-1-1	(R-67) MI-4-2		

NOTES

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE OKI AHOMA DEPARTMENT OF TRANSPORTATION 2019 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS. THIS PROJECT IS ENTIRELY LOCATED WITHIN THE CORPORATE LIMITS OF THE CITY OF SAPULPA.

Benchmarks
Benchmark #101
A 5/8" Steel Pin W/Cap "TEP CTRL", approximately 30 feet west and 55 feet south of the centerline intersection of South Mounds Street and West Ross Avenue.
Northing = 361.834.62
Easting = 2.525.698.18
Elevation = 680.35
Benchmark #103
MAG nail on top of curb, approximately 25 feet east of the centerline of South Hickory Street and approximately 45 feet south of the intersection of South Hickory Street and West Ross Avenue.
Northing = 361.832.98
Easting = 2.525.076.14
Elevation = 667.19
Benchmark #104
A 5/8" Steel Pin W/Cap "TEP CTRL", approximately 30 feet west and 55 feet south of the centerline intersection of South Mounds Street and West Ross Avenue.
Northing = 361,850.97
Easting = 2,526,584.31
Elevation = 695.22
Horizontal Datum: NAD83 (2011)
Projection: Oklahoma State Plane Coordinate System North Zone 3501 Vertical Datum: NAVD88
All Coordinates and measurements in U.S. Survey Feet



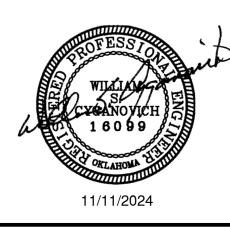
ENGINEERS CERTIFICATION:





			OF STREET PAY ITEMS C						
ITEM NO.	SPEC. NO.	PAY ITEM DESCRIPTION	TRANSPORTATION PAY ITEM NOTE	UNITS	Total Estimated Quantity	SHEET NO. 12	SHEET NO. 13	SHEET NO. 14	SHEET NO. 15
1	201(A)	CLEARING AND GRUBBING	1,2	LS	1	1			
2	202(A)	UNCLASSIFIED EXCAVATION	3,4,5,23	СҮ	1,261	338	396	375	152
3	205(A)	TYPE A SALVAGED TOPSOIL		CY	96	30	33	33	
4	209	MACHINE GRADING		LF	727	57	570	100	
5 6	220	SWPPP DOCUMENTATION AND MANAGEMENT	6 7,8	LS EA	1 5	1 5			
7	221(G) 230(A)	SOLID SLAB SODDING	9,10,30	SY	2,338	891	736	649	62
8	303(A)	AGGREGATE BASE TYPE A	11	CY	1,407	380	421	369	237
9	310(B)	SUBGRADE METHOD B		SY	5,109	1418	1583	1500	608
10	325	SEPARATOR FABRIC	12	SY	6,184	1738	1900	1800	746
11	411(B)	ASPHALT CONCRETE, TYPE S3 (PG 64-22 OK)	13,14,15	TON	1,083	286	338	322	137
12	411(C)	ASPHALT CONCRETE, TYPE S4 (PG 64-22 OK)	13,14,15,16	TON	434	115	135	129	55
13 14	414(A) 414(G)	P.C. CONCRETE PAVEMENT (PLACEMENT) P.C. CONCRETE FOR PAVEMENT		SY CY	83 16	83 16			
15	509(D)	CLASS C CONCRETE	43	СҮ	4	10		4	
16	601(A)	TYPE I - PLAIN RIPRAP		TON	32	32			
17	609(B)	6" COMBINED CURB AND GUTTER	18,19,20	LF	1,969	486	775	643	65
18	610(A)	4" CONCRETE SIDEWALK	18,19,22	SY	523	141	200	182	
19	610(B)	6" CONCRETE DRIVEWAY	18,19,21	SY	1,370	393	147	217	613
20	610(I)	TACTILE WARNING DEVICE	32	SF	208	192 1		16	
21 22	611(A) 611(B)	(PL) MANHOLE (5' DIA.) (PL) ADDITIONAL DEPTH IN MANHOLE (5' DIA.)	52	EA VF	 	7.55		3.55	
23	611(D)	REPLACEMENT MANHOLE FRAME		EA	2	1		1	
24	611(F)	REPLACEMENT OF MANHOLE COVER GRATE		EA	2	1		1	
25	611(G)	INLET W/SMALL JCT. BOX, CI, DES 3(D)	31,32	EA	2		1	1	
26	611(G)	INLET CI, DES. 2 (2B)	32	EA	2	2			
27	611(G)	INLET CI, DES. 3 (C)	32	EA	1	1			
28	611(G)	INLET CI, DES. 3 (D)	32	EA	2	0.22	1	1	
29 30	611(H) 611(L)	ADD'L. DEPTH IN INLET DES. 3 JUNCTION BOXES		VF CF	22.33 186	0.22 186	10.81	11.30	
30	612(A)	(PL) MANHOLE ADJUSTED TO GRADE	23,24,25,26,31,32	EA	4	180	1	2	
32	612(E)	VALVE BOXES ADJUST TO GRADE	23,24,25,26,32	EA	4	1	2		1
33	612(F)	METER BOXES ADJUST TO GRADE	23,24,25,26,32	EA	21	9	6	6	
34	613(EE)	18" HDPE STORM	33,34	LF	100	40	28	32	
35	613(EE)	24" HDPE STORM	33,34	LF	714	191	229	294	
36 37	613(EE) 613(EE)	30" HDPE STORM 42" HDPE STORM	<u> </u>	LF LF	554 93	239 93	315		
38	613(L)	42" PREFAB. CULVERT END SECTION, ROUND		EA	1	1			
39	616(G)	RELOCATE FIRE HYDRANT AND ASSEMBLY	42	LS	2	1	1		
40	619(B)	REMOVAL OF CURB AND GUTTER	23,24,25	LF	85				85
41	619(B)	REMOVAL OF ASPHALT PAVEMENT	23,24,25	SY	3,350	889	1,056	1,000	405
42	619(B)	REMOVAL OF CONCRETE PAVEMENT	23,24,25,26	SY	83	83			
43 44	619(B)	REMOVAL OF DRAINAGE INLETS	23,25,26	EA SY	2 980	2 209	83	170	512
44 45	619(B) 619(B)	REMOVAL OF CONCRETE DRIVEWAY REMOVAL OF ASPHALT DRIVEWAY	23,24,25,26	SY	980 191	<u> </u>	65	176 101	512
46	619(B)	REMOVAL OF GRAVEL DRIVEWAY	24,25,26	SY	200	95	64	41	
47	619(B)	REMOVAL OF EXISTING PIPE	23,25,26	LF	561	230	141	190	
48	629(D)	REMOVE AND RESET MAILBOX	25,26,41	EA	20	9	5	6	
49	641	MOBILIZATION	27	EA	1	1			
50 51	642	CONSTRUCTION STAKING (PL) REMOVAL OF EXISTING SIGNS	28,29	EA EA	1 6	1	5		1
51	805(A) 850(A)	SHEET ALUMINUM SIGN	23,25,26	EA SF	37		31		1 6
53	850(A) 851(C)	1 1/2"SQUARE TUBE POST		LF	3		3		
54	851(C)	1 3/4"SQUARE TUBE POST		LF	44		33		11
55	851(C)	2"SQUARE TUBE POST		LF	12		9		3
56	855(A)	TRAFFIC STRIPE (PLASTIC) (4" WIDE) (YELLOW)	36	LF	150	30	90		30
57	855(A)	TRAFFIC STRIPE (PLASTIC) (24" WIDE) (WHITE)	36	LF	70	14	42		14
58 59	880(B) 880(B)	SIGNS 0.00 TO 6.25 SF SIGNS 6.26 TO 15.99 SF	35,37 35,37	SD SD	600 600	600 600			
 60	880(B) 880(B)	SIGNS 16.00 AND UP	35,37	SD SD	750	750			
 61	880(C)	BARRICADES (TYPE III)	35,37	SD	900	900			
62	880(E)	TYPE "A" WARNING LIGHT	37,38	SD	900	900			
63	880(E)	TYPE "C" WARNING LIGHT	37,38	SD	1,950	1,950			
64	880(G)	TUBE CHANNELIZERS	35,37	SD	1,500	1,500			
65	880(1)	FLAGGER	39	FD	50	50			
66	SPECIAL	PROJECT SIGN (CITY OF SAPULPA)	40	EA	2	2			
67	SPECIAL	CURB RAMP		EA	1			1	





NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

PAY QUANTITIES

WEST ROSS AVE.

CITY OF SAPULPA, OKLAHOMA PUBLIC WORKS DEPARTMENT

			4
	Certificate of A	uthorization No. 53	1 PE/LS Renewal Date June 30,
	Ph Ph	one: 918-252-96	21 Fax: 918-340-5999
	9810 E. 4	12nd Street, Suit	e 100 Tulsa, Oklahoma 74
	🛑 Tulsa I	Engineering	& Planning Associa
PLANS & ESTI	IMATES PREP	ARED BY:	

REVISION	BY	DATE	PLAN SCALE	DRAWN	JMS	11/2024	APPROVED:
			N/A	DESIGNED	BC	11/2024	
				SURVEY	BDL	11/2024	
			PROFILE SCALE	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.			
			N/A	FIELD MGR.			
			VERTICAL:	RECOMMENDED:			
			N/A	DESIGN MANAGE	R		CITY ENGINEER
			FILE: <u>22-044-PAY-(</u>	QUANTITIES-NOTES.dw	g		DATE:
			ATLAS PAGE NO.:				SHEET 02 OF 24 SHEETS
	•	•					

- 1. ALL COSTS FOR REMOVING TREES, SHRUBS, STUMPS, POSTS, AND ALL OTHER DEBRIS AND/OR OBSTRUCTIONS NOT COVERED BY A SEPARATE PAY ITEM ARE INCLUDED IN THE PRICE BID.
- 2. ALL EXISTING DRAINAGE STRUCTURES SHALL BE CLEANED AND CLEARED OF ALL SEDIMENTATION AND DEBRIS TO THE RIGHT OF WAY. COST OF CLEARING SHALL BE INCLUDED IN THE PRICE BID.
- 3. THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY. ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES.
- 4. UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF EXISTING ROAD BED AND PREPARATION OF WIDENING AREAS AS REQUIRED.
- 5. THIS QUANTITY INCLUDES AN ADDITIONAL 10% ABOVE PLAN QUANTITY FOR UNDERCUTTING OF UNSUITABLE SUBGRADE MATERIAL.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT, AS WELL AS REMOVAL OF ALL SILT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, STORM SEWER PIPES AND APPURTENANCES WITHIN THE PROJECT LIMITS AT END OF PROJECT, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.
- 7. EROSION PROTECTION SHALL BE PLACED AS FOLLOWS: A) AROUND INLETS TO PREVENT INFLOW OF ERODED MATERIAL INTO STORM SEWER SYSTEM; **B)** IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY; **C)** FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS, AS DIRECTED BY THE ENGINEER; **D)** WITH PERIODIC REMOVAL OF SEDIMENT IN ACCORDANCE WITH STORMWATER MANAGEMENT PLAN. ALL COST FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.
- 8. PRICE BID SHALL INCLUDE MAINTENANCE. SEDIMENT REMOVAL. DISPOSAL. AND REMOVAL OF FILTERS AT PROJECT COMPLETION.
- 9. ESTIMATED QUANTITY IS BASED ON SODDING OF ALL DISTURBED AREAS OUTSIDE THE FINAL PAVING LIMITS AND WITHIN THE FINAL GRADING LIMITS AS INDICATED BY THE TOP-OF-CUT/TOE-OF-SLOPE LINE ON THE PLANS (EXCLUDING SURFACES OF STRUCTURES, FIXTURES AND APPURTENANCES). SOD SHALL BE OF LIKE-KIND TO EXISTING SOD. PRICE BID INCLUDES PLACEMENT AND COMPACTION OF SUITABLE BACKFILL. ANY EXISTING GRASSED AREAS BEYOND THE ABOVE STATED LIMITS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESODDED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.
- **10.** COST OF WATERING AND FERTILIZING SHALL BE INCLUDED. FERTILIZERS SHALL BE 10-20-10 AND SHALL BE APPLIED AT THE RATE OF 1.5 LBS PER 10 SQ YDS. FERTILIZER SHALL BE APPLIED PER SECTION 230.04H OF ODOT STANDARD SPECIFICATIONS. WATERING SHALL BE APPLIED AS NECESSARY UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE WORK IS ACCEPTED AS COMPLETE.
- **11.** INCLUDES COMPACTION OF AGGREGATE TO 98% AASHTO T180 MODIFIED PROCTOR.
- **12.** THE SEPARATOR FABRIC SHALL BE CUT AND OVERLAPPED A MINIMUM OF 2 FT AT ALL EDGES.
- **13.** THE COST OF TACK COAT, EDGE JOINT SEAL MATERIAL AND SCREENINGS FOR BLOTTING, AND ALL LABOR ASSOCIATED WITH THESE ITEMS, SHALL BE INCLUDED IN ASPHALT CONCRETE.
- 14. ESTIMATED AT 112 LBS PER SQ YD PER 1 INCH THICK.
- 15. ODOT PAY FACTOR FOR AVERAGE LOT DENSITY SHALL NOT BE USED FOR THIS PROJECT. FAILURE TO REACH AVERAGE LOT DENSITY OF 92%-97% WILL RESULT IN REJECTION OF WORK.
- 16. A HIGHER GRADE OF ASPHALT BINDER THAN IS INDICATED ON THE PLANS MAY BE USED, BUT AT NO ADDITIONAL COST TO THE CITY. S-8 (TABLE):

	NOTE S8 (50) TABLE							
BINDER ² GRADE	MESALs	ADT ¹	NOTES					
PG 64-22 OK	< 3	< 5,000	USE WHEN MORE THAN 4-6 INCHES BELOW THE SURFACE. ALSO USE FOR SHOULDERS, DRIVEWAYS, BELOW PCC, AND TEMPORARY CONSTRUCTION.					
PG 70-28 OK	< 10	< 10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES.					
PG 76-28 OK	>= 10	>= 10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES .					
PG 76-28 E — — CONTACT ODOT MATERIALS DIVISION FOR RECOMMENDED USE.								
¹ USE ADT ONLY WHEN ESAL COMPUTATIONAL DATA IS NOT AVAILABLE. CALCULATE THE DESIGN ESALS BASED ON 20 YEARS.								

²PG 70-28 OK OR PG 76-28 OK MAY BE DESIRABLE IN HIGH VOLUME AREAS WHERE SLOW, STANDING, OR TURNING TRAFFIC OCCURS, SUCH AS URBAN INTERSECTIONS OR OFF-RAMPS. OFF RAMPS SHOULD AT LEAST USE THE SAME BINDER AS THE MAINLINE.

- 17. NOT USED.
- 18. THE USE OF FLY-ASH IN CONCRETE IS PROHIBITED.
- 19. INCLUDES ALL COST OF SAWED JOINTS AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS.
- 20. THIS ITEM SHALL BE MEASURED AS THE ACTUAL AMOUNT OF CURB AND/OR GUTTER INSTALLED. NO PAYMENT WILL BE MADE FOR CURB AND/OR GUTTER THROUGH DRIVEWAYS AND INLETS.
- 21. CURB, GUTTER, AND/OR SIDEWALK ASSOCIATED WITH THE DRIVEWAY AND THROUGH THE DRIVEWAY IS INCLUDED IN THE COST OF THE DRIVEWAY.
- 22. ONE SIDEWALK PANEL ON EACH SIDE OF DRIVEWAYS SHALL BE A MINIMUM OF 6" THICK OR MATCH EXISTING DRIVEWAY THICKNESS, WHICHEVER IS GREATER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE COST OF THE THICKENED SIDEWALK THROUGH THIS AREA.
- 23. WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A MANNER APPROVED BY THE ENGINEER.
- 24. ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED, REMOVED, REPAIRED, OR REPLACED. 25. ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION.
- 26. LOCATIONS TO BE DETERMINED IN THE FIELD AND WORK TO BE PERFORMED AT THE DIRECTION OF THE FIELD ENGINEER. QUANTITY IS ESTIMATED AND MAY BE OMITTED IN ITS ENTIRETY.
- 27. MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION.
- 28. CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING, PLACING, AND MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY



FOR THE PROPER COMPLETION AND INSPECTION OF THE ENTIRE PROJECT.

- 29. THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.
- **30.** PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.
- 31. THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF SAPULPA STANDARD.
- 32. THE TOTAL COST FOR RUBBERIZED ASPHALT AND/OR SILICONE AT MANHOLES, JUNCTION BOXES, VALVE BOXES, INLETS, AND INLET APRONS, SHALL BE INCLUDED.
- 33. REINFORCED CONCRETE PIPE TO BE CLASS III. ALL REINFORCED CONCRETE PIPE TO BE SUPPLIED WITH AN IMNI-FLEX JOINT GASKET OR APPROVED EQUAL. MASTIC JOINT SEALANT SHALL NOT BE ALLOWED.
- 34. THIS PAY ITEM SHALL BE COMPLETE IN PLACE AND SHALL INCLUDE ALL PIPE. STANDARD BEDDING MATERIAL AND TRENCH EXCAVATION. JOINT GASKETS AND ALL OTHER INCIDENTALS. NO ADDITIONAL COST WILL BE MADE. PRIOR TO ACCEPTANCE, INTERIOR OF PIPE SHALL BE INSPECTED FOR DEFECTS USING SELF-PROPELLED MOBILE CLOSED-CIRCUIT CAMERA SYSTEM.
- 35. REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
- **36.** ALL PLASTIC PAVEMENT MARKINGS SHALL BE EITHER:

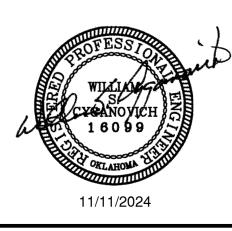
EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEEDS 55°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.

OR

MULTI-POLYMER PAINT (USE ON CONCRETE PAVEMENT). MULTI-POLYMER PAVEMENT MARKINGS SHALL ONLY BE APPLIED 30 DAYS AFTER PAVING WHEN PAVEMENT SURFACE TEMPERATURE EXCEEDS 40°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION WITH A MINIMUM WIND CHILL TEMPERATURE OF 35°F. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION.

- **37.** PAYMENT SHALL BE MADE ON A SIGN-DAY BASIS ONLY FOR TRAFFIC CONTROL DEVICES THAT ARE PROPERLY INSTALLED AND IN GOOD WORKING ORDER. COSTS FOR DELIVERY, INSTALLATION, RELOCATION, MAINTENANCE REMOVAL AND REPLACEMENT, AS NEEDED AT THE DISCRETION OF THE ENGINEER, INCLUDED IN UNIT PRICE BID.
- 38. IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE "C" WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.
- 39. THE PAY ITEM FOR FLAGGER SHALL BE PAID FOR ON A FLAG DAY (F.D.) BASIS. ONE F.D. IS ONE COMPLETE WORKDAY PERFORMED BY THE CONTRACTOR AS SET FORTH IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- 40. PRICE BID FOR THIS ITEM INCLUDES INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF PROJECT SIGN.
- 41. PRICE BID FOR THIS ITEM INCLUDES THE REMOVAL, STORAGE AND RESETTING OF MAILBOXES AT THE LOCATIONS SHOWN ON THE PLANS. ANY MAILBOX DAMAGED WILL BE REPLACED AT NO ADDITIONAL COST.
- 42. THIS PAY ITEM INCLUDES THE REMOVAL OF AN EXISTING FIRE HYDRANT AND REPLACEMENT AS SHOWN ON THE PLANS. IT WILL INCLUDE ALL MATERIAL, LABOR AND EQUIPMENT TO CONNECT THE NEW FIRE HYDRANT TO THE EXISTING WATERLINE. NO ADDITIONAL PAY WILL BE CONSIDERED.

REVISION



SHEET <u>03</u> OF <u>24</u> SHEETS

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

ATLAS PAGE NO.:

PAY ITEM NOTES

WEST ROSS AVE.

CITY OF SAPULPA, OKLAHOMA PUBLIC WORKS DEPARTMENT

	PLANS & EST	STIMATES PREPARED BY: Tulsa Engineering & Planning Associates 9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146 Phone: 918-252-9621 Fax: 918-340-5999 Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025						
DATE	PLAN SCALE	DRAWN	JMS	11/2024	APPROVED:			
	N/A	DESIGNED	BC	11/2024				
		SURVEY	BDL	11/2024				
	PROFILE SCALE	PROJ. MGR.						
	HORIZONTAL:	LEAD ENGR.						
	N/A	FIELD MGR.						
	VERTICAL:	RECOMMENDED	:					
	N/A	DESIGN MANAGE	R		CITY ENGINEER			
	FILE: 22-044-PAY-0	QUANTITIES-NOTES.dw	g		DATE:			

GENERAL CONSTRUCTION NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- 2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
- PAY ITEMS SHALL BE AS SPECIFIED ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
- 4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS; AT&T, PUBLIC SERVICE COMPANY OF OKLAHOMA (AEP), OKLAHOMA NATURAL GAS (ONG), COX COMMUNICATIONS, MCI/VERIZON, EASYTEL COMMUNICATIONS, WELLSCO VALLOR TELECOM, CITY OF SAPULPA-UTILITES, CITY OF SAPULPA-STREET DEPARTMENT. SEE TITLE SHEET FOR CONTACT INFORMATION.
- 6. THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
- 7. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE. THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
- 8. THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE WATER AND SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
- 9 THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF SAPULPA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.
- 10. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK.
- 11. THE CONTRACTOR SHALL NOTIFY THE CITY OF SAPULPA PUBLIC WORKS DIRECTOR, 918-216-4352, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO REMOVING TRAFFIC SIGNS.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED.
- 13. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAVEMENT REMOVAL AND RECONSTRUCTION OPERATIONS.
- 14. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.
- 15. ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.
- 16. ALL BROKEN CONCRETE, WASTE MATERIAL, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
- 17. ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.
- 18. ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER IS TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINE IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK. TREES OUTSIDE THE FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.
- 19. WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION.
- 20. ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE. ALL DISTURBED ITEMS SHALL BE REPAIRED TO MATCH EXISTING MATERIALS AND PATTERNING.
- 21. IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN RECONSTRUCTING STREETS, THE CONTRACTOR SHALL CALL PUBLIC WORKS AT 918-216-4352 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK.
- 22. THE PROJECT SHALL BE CONSTRUCTED WITH CONTINUOUS FLOW OF MATERIAL SUPPLIED TO THE PROJECT SUCH THAT THE LAYDOWN MACHINE WILL REMAIN IN MOTION. ANY DELAY IN FORWARD PROGRESSION OF THE LAYDOWN MACHINE MAY REQUIRE A TRANSVERSE JOINT AS DIRECTED BY THE ENGINEER.
- 23. NO FLY ASH IS ALLOWED TO BE USED ON THIS PROJECT.
- 24. PHYSICAL TESTING FOR QUALITY ASSURANCE SHALL BE FURNISHED BY THE CITY.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET 25.
- 26. MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY.
- 27. ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.
- 28. NO LIFTING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOXES.
- 29. CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS.
- 30. REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.



- 31. THE SIGN PLACEMENT STATIONING AND LOCATIONS SHOWN ON THE PLAN SHEETS AND SUMMARY SHEETS ARE APPROXIMATE. EXACT STATIONING AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH ODOT STANDARDS, CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.
- 32. POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE. EXACT LENGTHS SHALL BE DETERMINED BY A FIELD SURVEY CONDUCTED BY THE CONTRACTOR.
- 33. ALL ASPHALT STREETS THAT ARE TO BE RECONSTRUCTED SHALL BE LEFT WITH A DRIVABLE SURFACE AT ALL TIMES. THE CONTRACTOR WILL NOT BE ALLOWED TO REMOVE ALL THE ASPHALT BEFORE EXCAVATION BEGINS.
- 34. THE CONTRACTOR SHALL REPLACE ANY SECTION CORNERS OR OTHER PERMANENT RIGHT OF WAY MARKERS REMOVED OR DISTURBED AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT. REPLACEMENT OF SECTION CORNERS OR ANY OTHER MONUMENTS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PERFORM WORK IN THE STATE OF OKLAHOMA.
- 35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF THE STORMWATER DRAINAGE. STORMWATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.
- 36. STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.
- 37. THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.
- 38. PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.
- 39. ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, PUBLISHED ON JULY 26, 2011 BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK, WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- 40. ALL TRENCH WIDTHS & BEDDING MATERIAL SHALL BE AS SHOWN ON ODOT STANDARD PIPE BEDDING DETAIL. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED.
- CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.

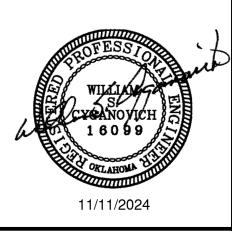
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BY DATE

VERTICAL

N/A

ATLAS PAGE NO.:



ITY ENGINEER

SHEET 04 OF 24 SHEETS

DATE:

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR **EQUIPMENT IN FLOODPLAIN**

CONSTRUCTION NOTES

WEST ROSS AVE.

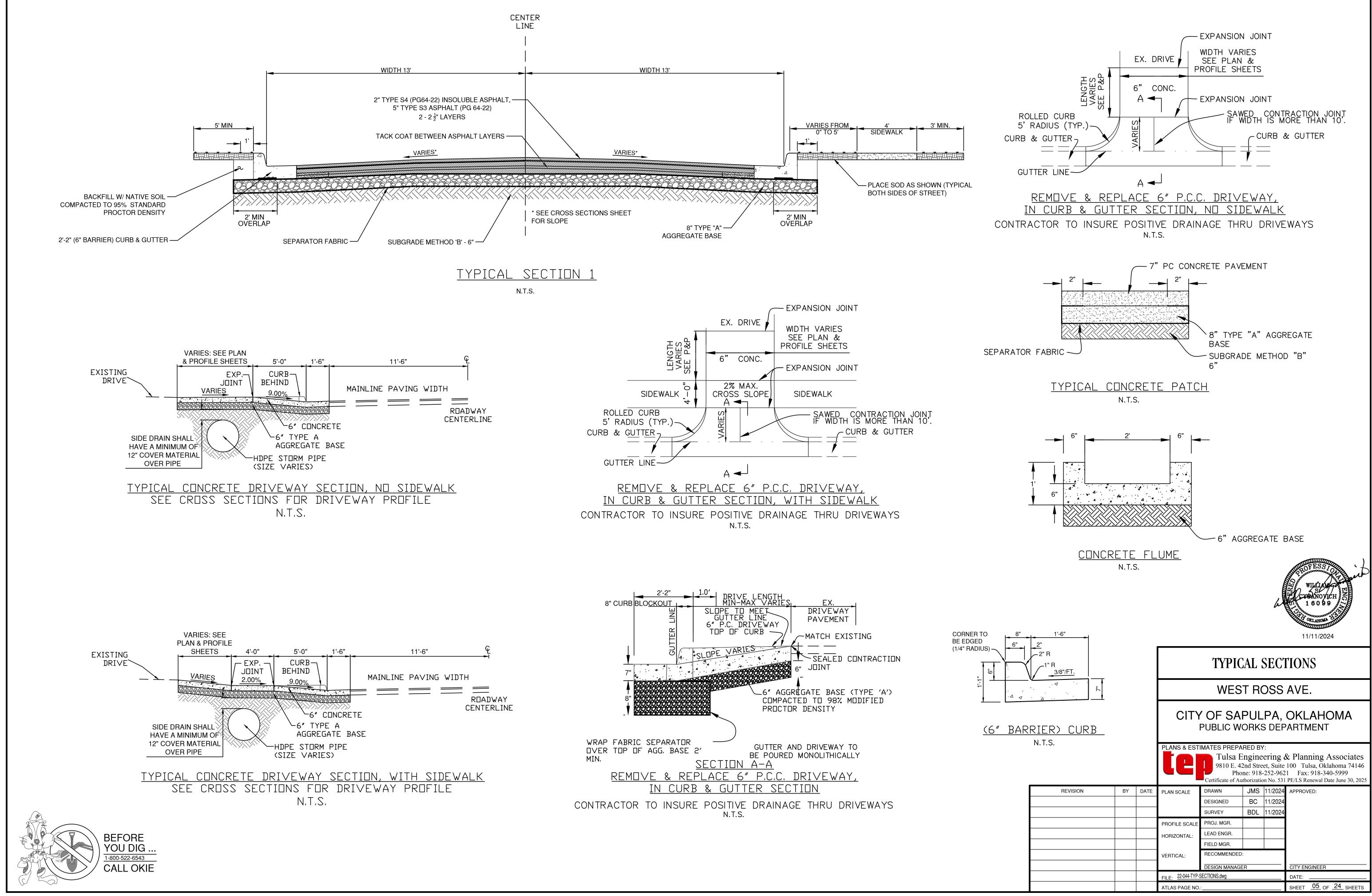
CITY OF SAPULPA, OKLAHOMA PUBLIC WORKS DEPARTMENT

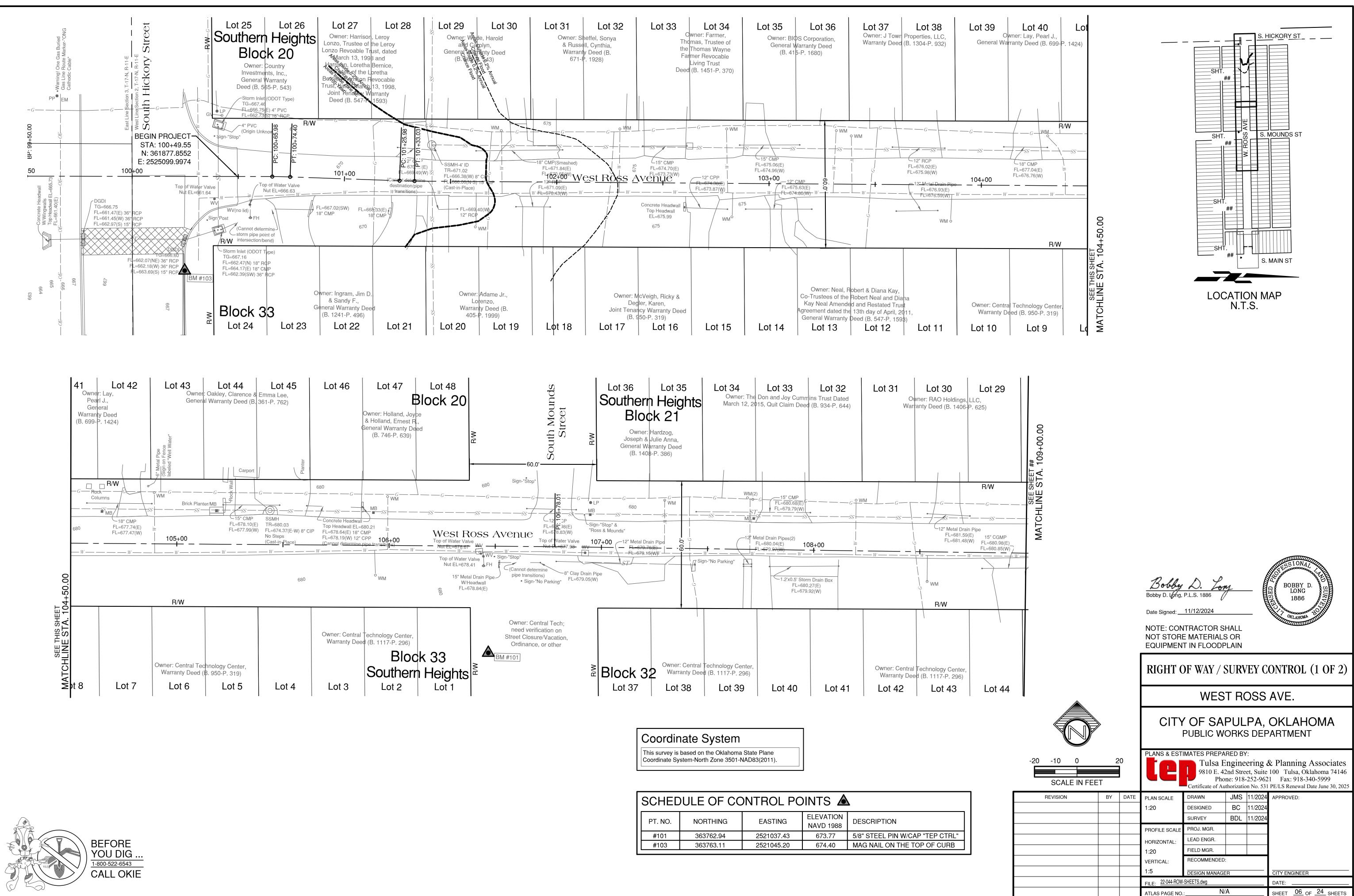
PLANS & ESTIMATES PREPARED BY: Tulsa Engineering & Planning Associates 9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146 Phone: 918-252-9621 Fax: 918-340-5999 Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 202							
PLAN SCALE	DRAWN	JMS	11/2024	APPROVED:			
N/A	DESIGNED	BC	11/2024				
	SURVEY	BDL	11/2024				
PROFILE SCALE	PROJ. MGR.						
HORIZONTAL:	LEAD ENGR.						
N/A	FIELD MGR.						

RECOMMENDED:

FILE 22-044-PAY-QUANTITIES-NOTES.dwg

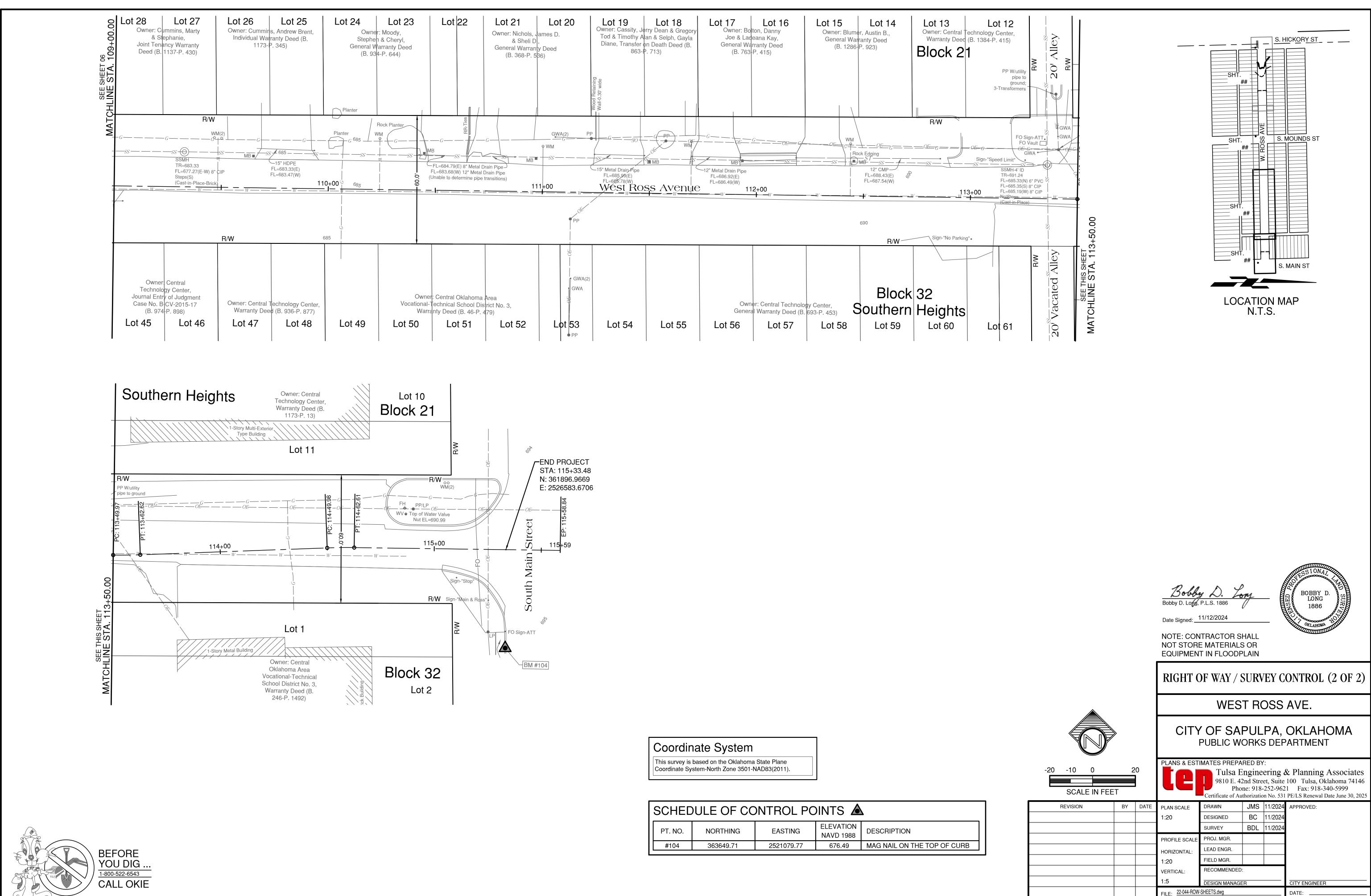
ESIGN MANAGER







ſ	SCHEDULE OF CONTROL POINTS 🛦								
	PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION				
	#101	363762.94	2521037.43	673.77	5/8" STEEL PIN W/CAP "TEP CTRL"				
	#103	363763.11	2521045.20	674.40	MAG NAIL ON THE TOP OF CURB				



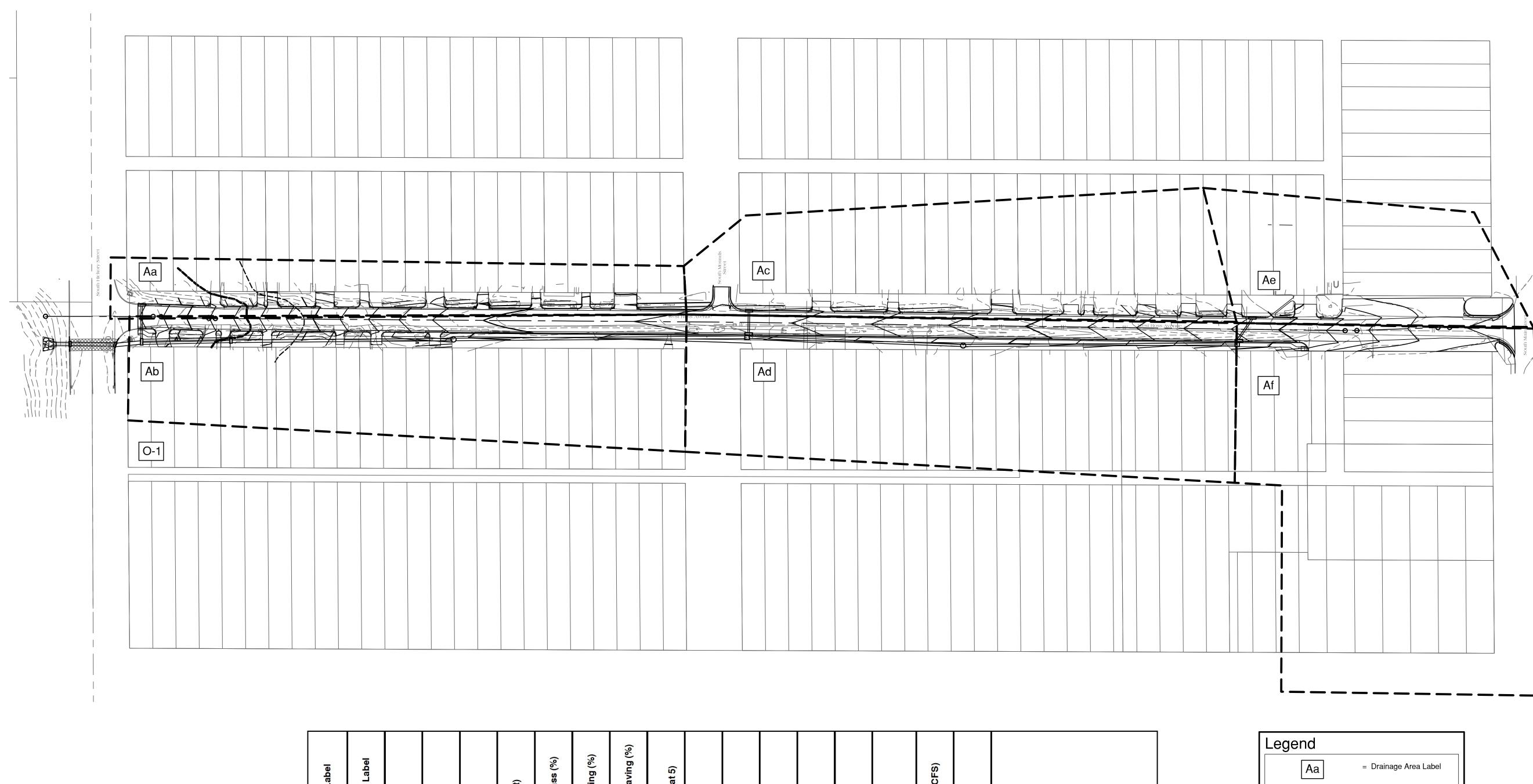


SCHEDULE OF CONTROL POINTS 🛦							
PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION			
#104	363649.71	2521079.77	676.49	MAG NAIL ON THE TOP OF CURB			

N/A

ATLAS PAGE NO.:

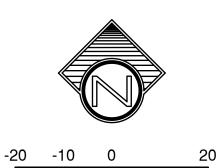
SHEET 07 OF 24 SHEETS



	Drainag Drainag	"C" Valu	Reach Gra	Reach Pav	Average Slo	Average Slo	Average Velocity	Tc (Minutes) (Model TC Capped	1100 (IN/HR)	Q100 (cfs)	Q10(cfs)	Q5 (cfs)	% Slope At Inlet	Inlet Conditio	Sum Q100 A	D100 At Inlet	Inlet Design
EX-2 "O-	D-1" 5.25	0.58	775	600	1	1	2.03	15	9.4	28.6	16.4	14.4	0.6	SUMP	<mark>93.3</mark>	-	CICI DES 2 (2B)
Aa "Aa	Aa'' 0.85	0.58	25	129	0.5	0.6	1.57	14.6	9.5	4.7	2.7	2.4	4	GRADE	64.7	-	CICI DES 3 (C)
Ab "At	Ab" 1.74	0.50	25	129	0.5	0.6	1.57	14.6	9.5	8.3	4.7	4.2	-	-	60.0	-	-
Ac "Ac	Ac" 1.6	0.58	25	129	0.5	0.6	1.57	14.6	9.5	8.8	5.1	4.4	0.56	GRADE	51.7	-	CICI DES 3 (D)
Ad "Ad	Ad" 2.18	0.49	25	129	0.5	0.6	1.57	14.6	9.5	10.2	<mark>5.8</mark>	5.1	0.56	GRADE	42.9	-	CICI DES 3 (D)
Ae "Ae	Ae" 0.93	0.72	25	129	0.5	0.6	1.57	14.6	9.5	6.4	3.7	3.2	1.96	GRADE	32.7	-	CICI DES 3 (D)
Af "At	Af" 2.7	0.86	425	-	0.5	0.6	1.57	6.8	11.3	26.3	16.2	14.2	1.96	GRADE	26.3	-	CICI DES 3 (D)



Legend	
Aa	= Drainage Area Label
	= Drainage Boundary
679	= Existing Minor Contour
<u> </u>	= Existing Major Contour
679	= Proposed Minor Contour
679	= Proposed Major Contour
│	= Flow Path





REVISION

		DRAINAGE MAP							
			WES	T R	SSS	AVE.			
>		CITY OF SAPULPA, OKLAHOMA PUBLIC WORKS DEPARTMENT							
2 T	20	PLANS & EST	9810 E. 42 Pho	2nd Stre ne: 918	ering deet, Suite -252-962	& Planning Associates 100 Tulsa, Oklahoma 74146 21 Fax: 918-340-5999 PE/LS Renewal Date June 30, 202			
BY	DATE	PLAN SCALE	DRAWN	JMS	11/2024	APPROVED:			
		1:20	DESIGNED	BC	11/2024				
			SURVEY	BDL	11/2024				
		PROFILE SCALE	Proj. Mgr.						
		HORIZONTAL:	LEAD ENGR.						
		1:20	FIELD MGR.						
		VERTICAL:	RECOMMENDED	:					
		1:5	DESIGN MANAGE	R		CITY ENGINEER			
		FILE: <u>22-044-DRAI</u>	NAGE-MAP.dwg			DATE:			

N/A

ATLAS PAGE NO.:_



NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

	STORM WA
SI	TE DESCRIPTION
PROJECT LIMITS: <u>W. ROSS AVENUE F</u> QUARTER OF A MILE.	FROM S. HICKORY STREET TO S. MAIN STREET, APPROXIMATELY ONE
PROJECT DESCRIPTION: <u>RECONSTR</u> DRIVEWAYS AS NECESSARY.	RUCT & WIDEN STREET WITH CURB & GUTTER. REVISE DRAINAGE &
SUGGESTED SEQUENCE OF EROSI _1. CLEARING & GRUBBING	ION CONTROL ACTIVITIES:
2. EROSION CONTROL	
3. SITE GRADING 4. CONSTRUCT DRAINAGE IMPROVEME	INTS
5. RECONSTRUCT & WIDEN STREET WI	TH CURB & GUTTER
 INSTALL SOLID SLAB SODDING REMOVAL OF TEMPORARY MEASURE 	S AND SITE CLEANUP
SOIL TYPE: _	DENNIS AND OKEMAH SILT LOAMS, 1 TO 3 PERCENT SLOPES
AREA TO BE DISTURBED: _ OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE) ⁻	2.81 AC
MAXIMUM ACRES TO BE DISTURBED AT ANY ONE TIME: (FOR CONTRACTOR USE) -	
LATITUDE & LONGITUDE OF CENTER OF PROJECT: _	LATITUDE 35° 58' 45.52"N, LONGITUDE 96° 6' 59.62"W
NAME OF RECEIVING WATERS: _	ROCK CREEK
ENSITIVE WATERS OR WATERSHEDS:	
303(d) IMPAIRED WATERS:	
NOTE: THIS SHEET SHOULD BE USED IN CO DRAINAGE MAP THAT ILLUSTRATES PATTERNS/PATHWAYS AND RECEIVI THIS PROJECT. THIS SHEET SHOULI WITH THE EROSION CONTROL SUMM	THE DRAINAGE ING WATERS FOR D ALSO BE USED
WITH THE EROSION CONTROL SUM	MARIES, PAY TIEMS, & NOTES.
BEFORE YOU DIG	

ATER POLLUTION PREVENTION PLAN

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- X PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- SOIL RETENTION BLANKET
- X PRESERVATION OF EXISTING VEGETATION

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- χ STABILIZED CONSTRUCTION EXIT
- χ TEMPORARY SILT FENCE
- **TEMPORARY SILT DIKES**
- <u>X</u> TEMPORARY FIBER LOG
- **DIVERSION, INTERCEPTOR OR PERIMETER DIKES**
- DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- ROCK FILTER DAMS
- **TEMPORARY SLOPE DRAIN**
- PAVED DITCH W/ DITCH LINER PROTECTION
- TEMPORARY DIVERSION CHANNELS
- **TEMPORARY SEDIMENT BASINS**
- TEMPORARY SEDIMENT TRAPS
- **TEMPORARY SEDIMENT FILTERS**
- <u>X</u> TEMPORARY SEDIMENT REMOVAL
- <u>X</u> RIP RAP
- INLET SEDIMENT FILTER
- **TEMPORARY BRUSH SEDIMENT BARRIERS**
- SANDBAG BERMS
- TEMPORARY STREAM CROSSINGS

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- X LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
- X EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

CONTRACTOR RESPONSIBLE FOR MAINTENANCE EROSION/SEDIMENTATION CONTROLS (BMPS) FOR THE DURATION OF THE PROJECT.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES:

A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORM AND PERMIT CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING THE PROGRESSION OF THE PROJECT. ALL CONTRACTOR OFF-SITE OPERATIONS ASSOCIATED WITH THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ROADS, DISPOSAL SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION.

103.05 BONDING REQUIREMENTS

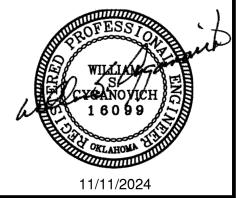
- 104.10 FINAL CLEANING UP
- 104.12 CONTRACTOR'S RESPONSIBILITY FOR WORK
- 104.13 ENVIRONMENTAL PROTECTION
- 106.08 STORAGE AND HANDLING OF MATERIAL
- 107.01 LAWS, RULES AND REGULATIONS TO BE OBSERVED
- 107.20 STORM WATER MANAGEMENT
- 221 TEMPORARY SEDIMENT CONTROL

IN ADDITION:

"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, NOVEMBER 1, 2023.

THE FOLLOWING SECTIONS OF THE 2019 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:

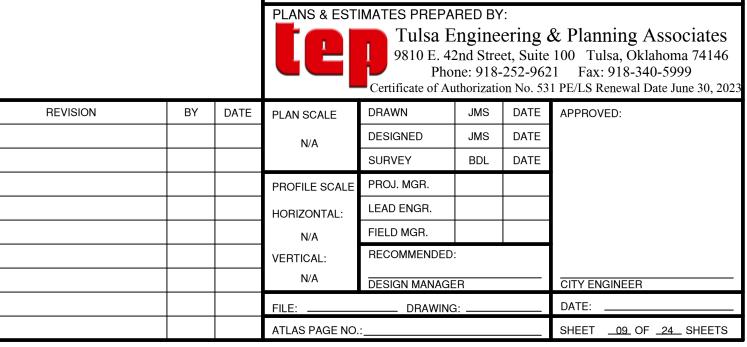
220 MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLLUTION PREVENTION AND CONTROL

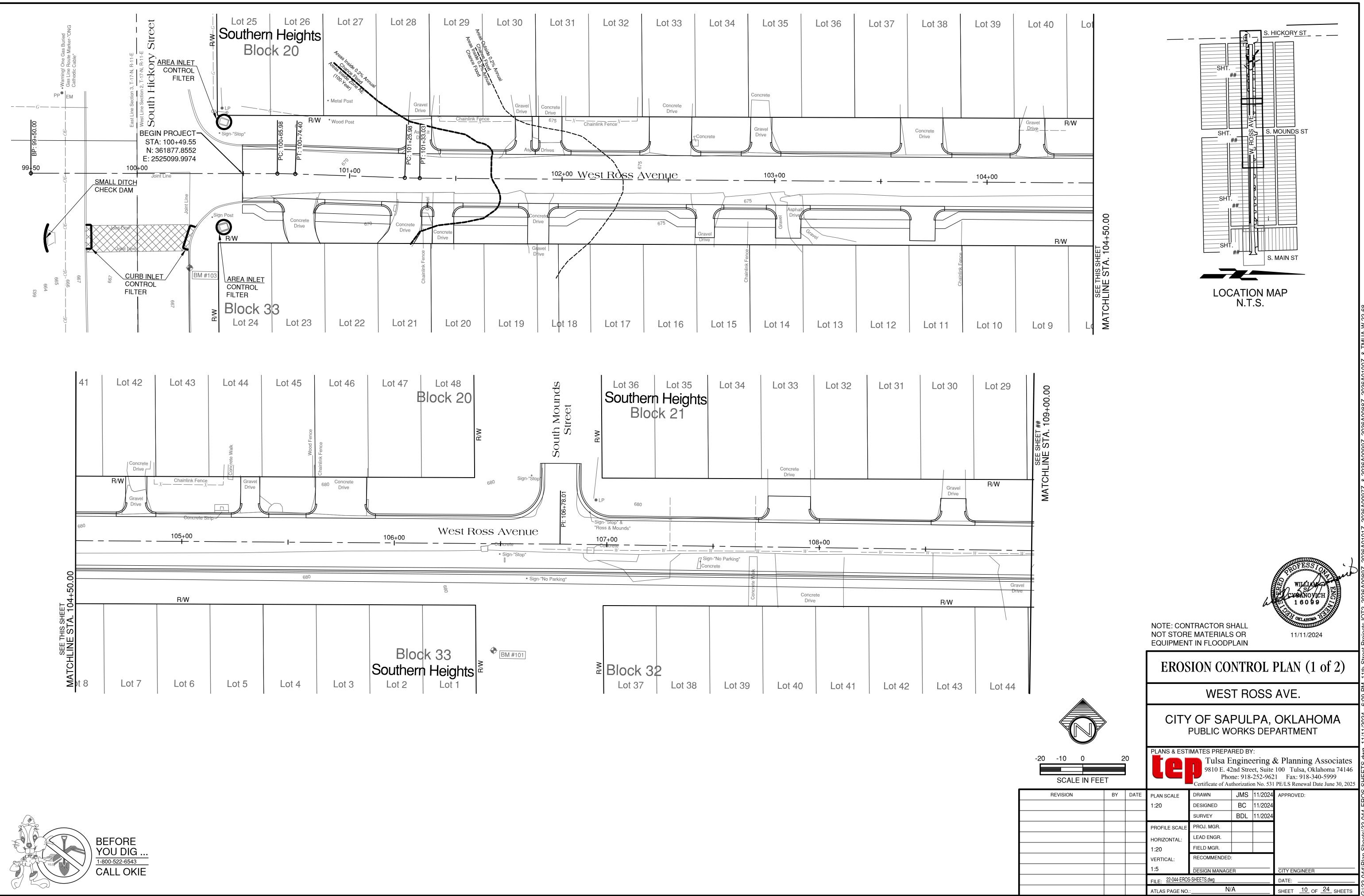


STORMWATER POLLUTION PREVENTION PLAN

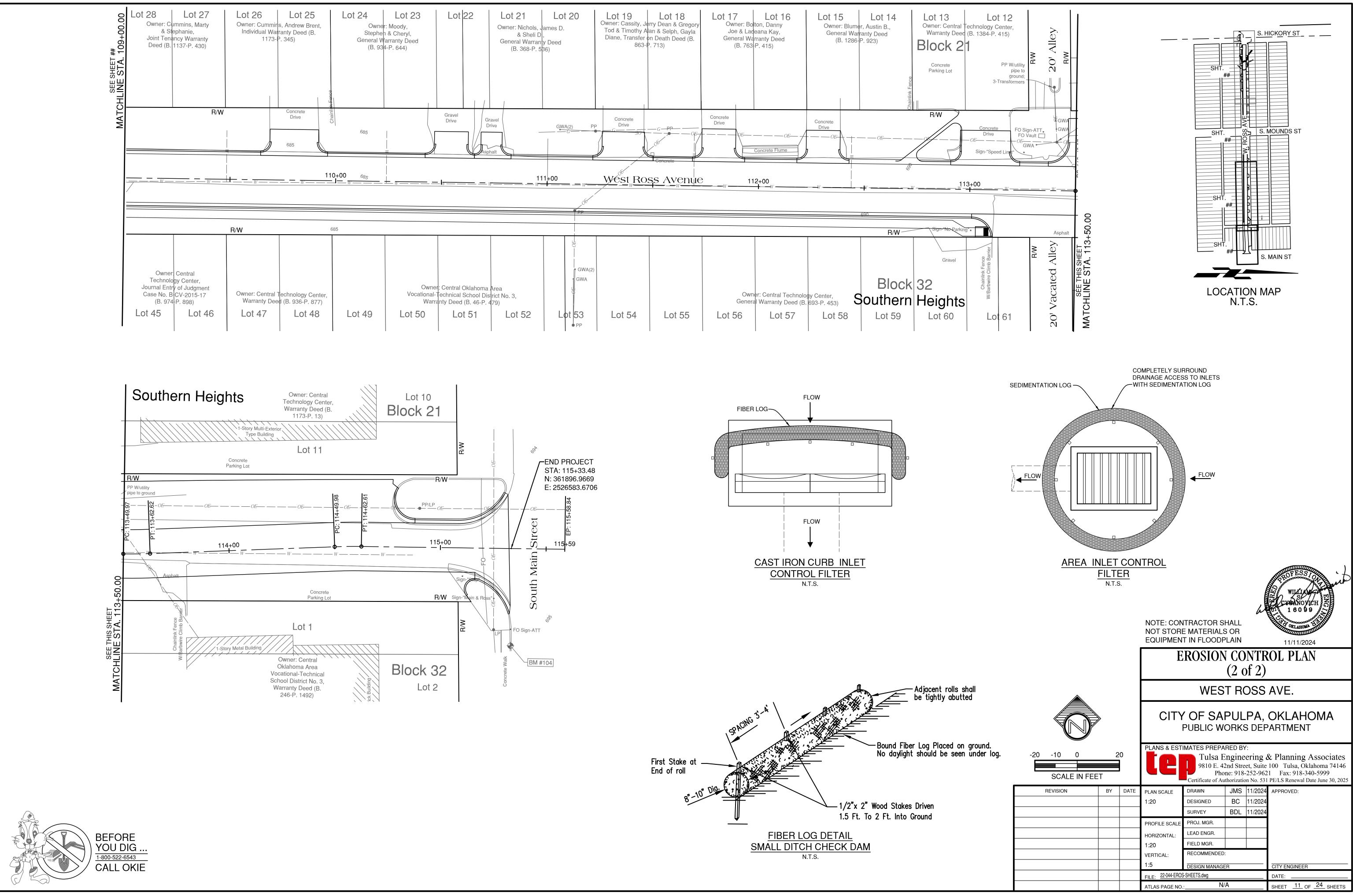
WEST ROSS AVE.

CITY OF SUPULPA, OKLAHOMA PUBLIC WORKS DEPARTMENT

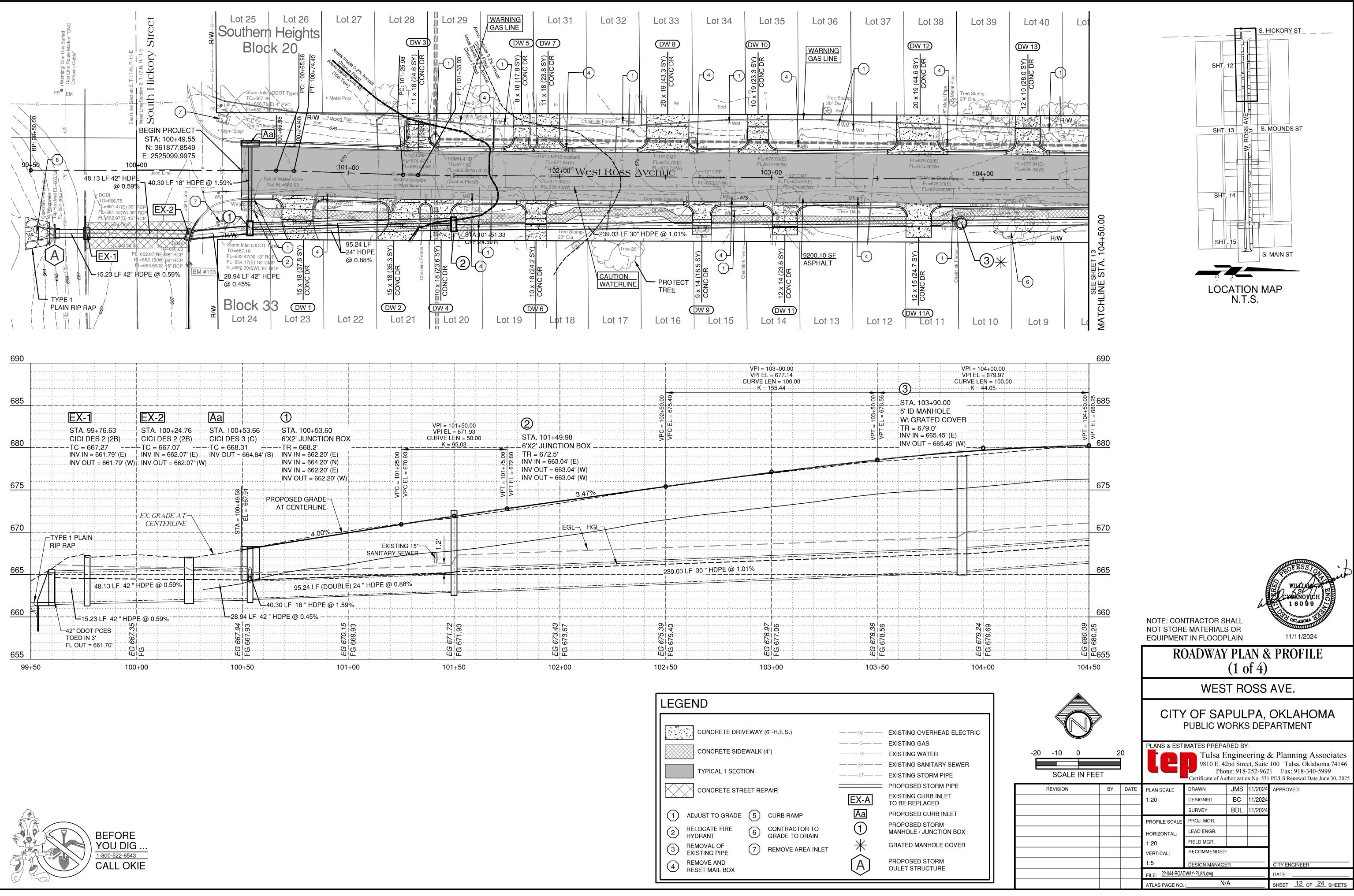






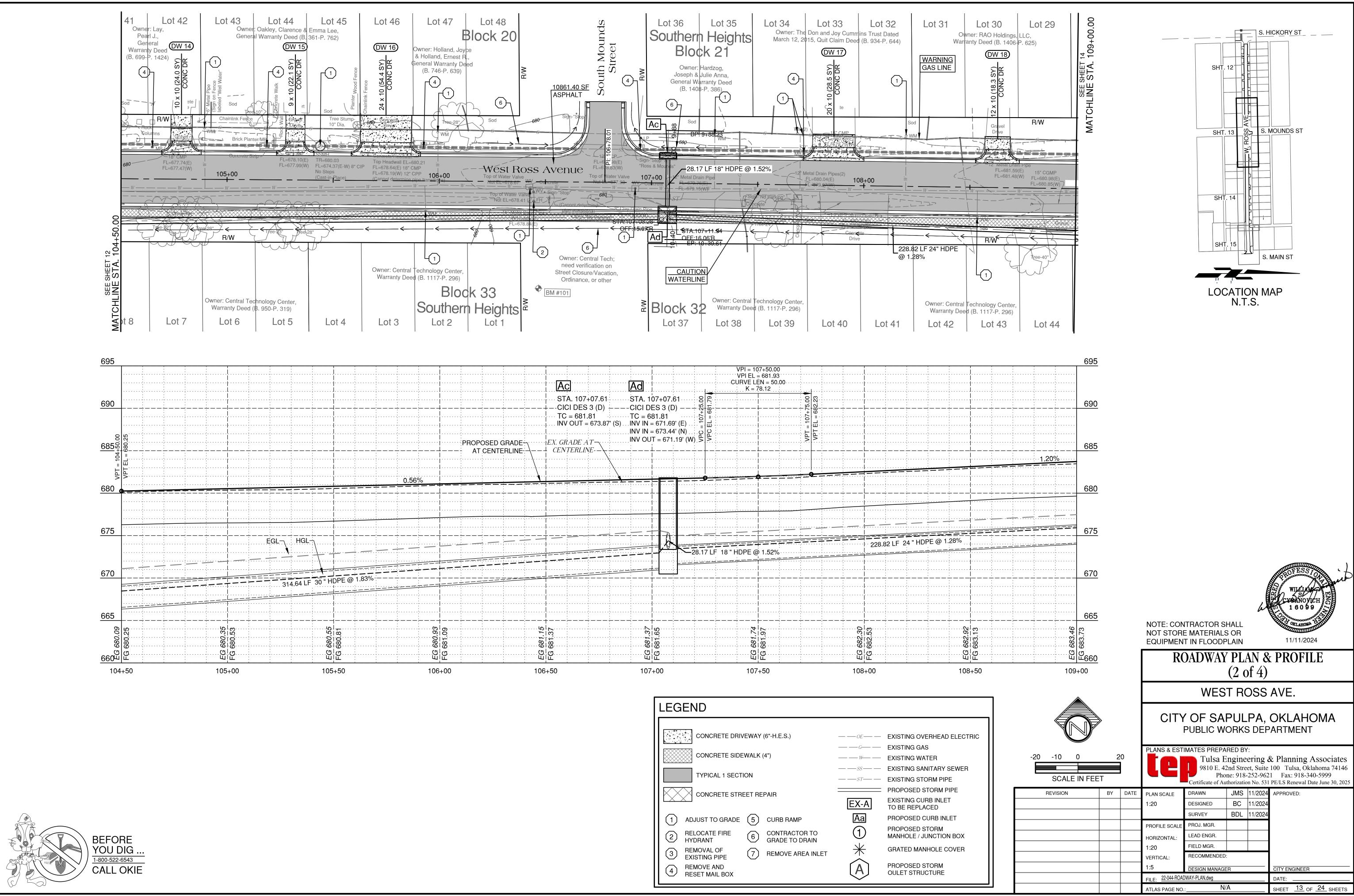






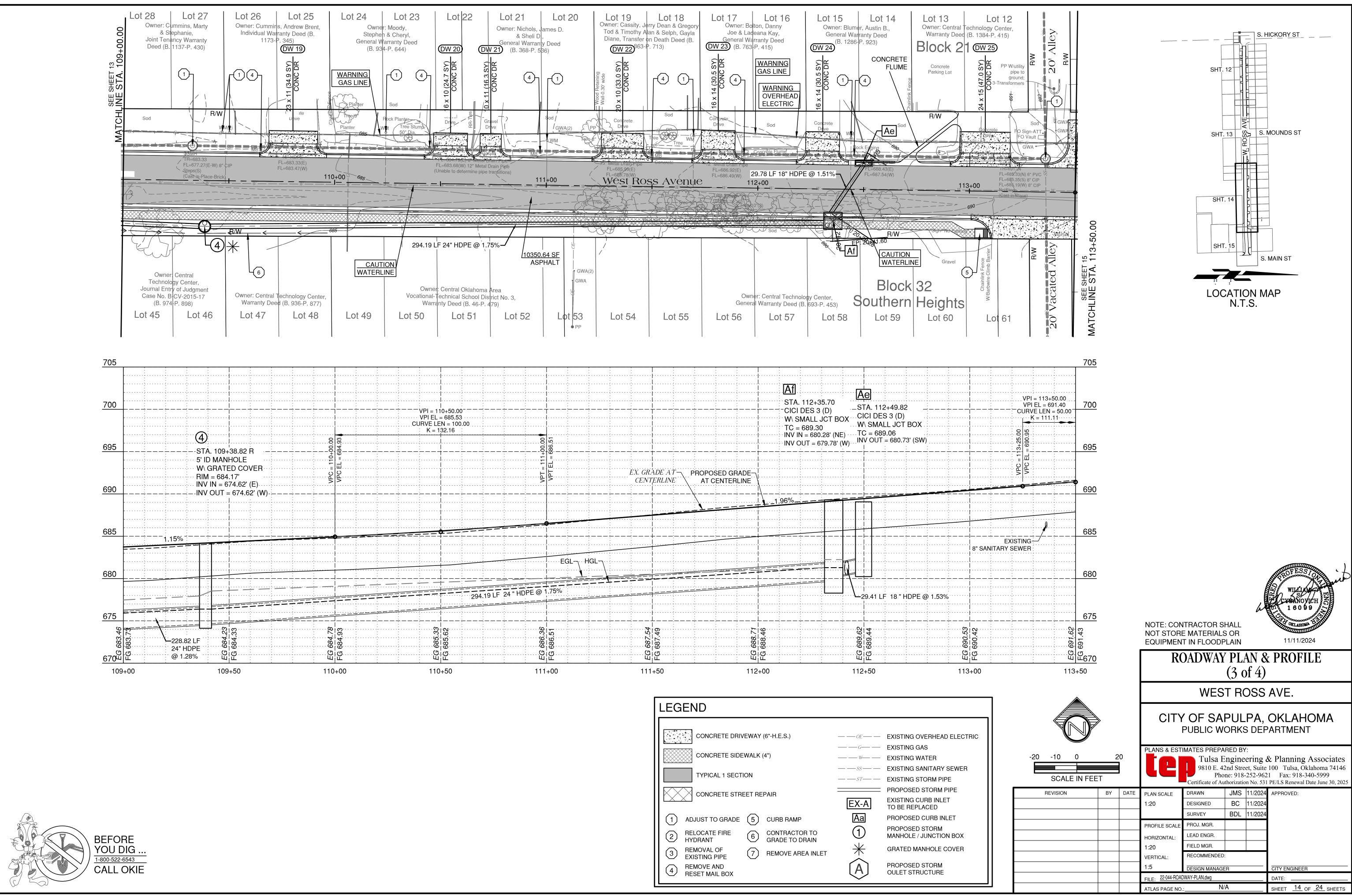


4.*	CONCRETE DRIV	'EWAY	(6"-H.E.S.)	<i>OE</i>	EXISTING OVERHEAD ELECTRIC
	 XXX			G	EXISTING GAS
	CONCRETE SIDE	WALK	(4")	W	EXISTING WATER
					EXISTING SANITARY SEWER
	TYPICAL 1 SECTI	ION		<i>ST</i>	EXISTING STORM PIPE
$\times \times$		FT RF	PAIR		PROPOSED STORM PIPE
				EX-A	EXISTING CURB INLET TO BE REPLACED
(1)	ADJUST TO GRADE	(5)	CURB RAMP	Aa	PROPOSED CURB INLET
2	RELOCATE FIRE HYDRANT	6	CONTRACTOR TO GRADE TO DRAIN		PROPOSED STORM MANHOLE / JUNCTION BOX
(3)	REMOVAL OF EXISTING PIPE	(7)	REMOVE AREA INLET	*	GRATED MANHOLE COVER
4	REMOVE AND RESET MAIL BOX			A	PROPOSED STORM OULET STRUCTURE

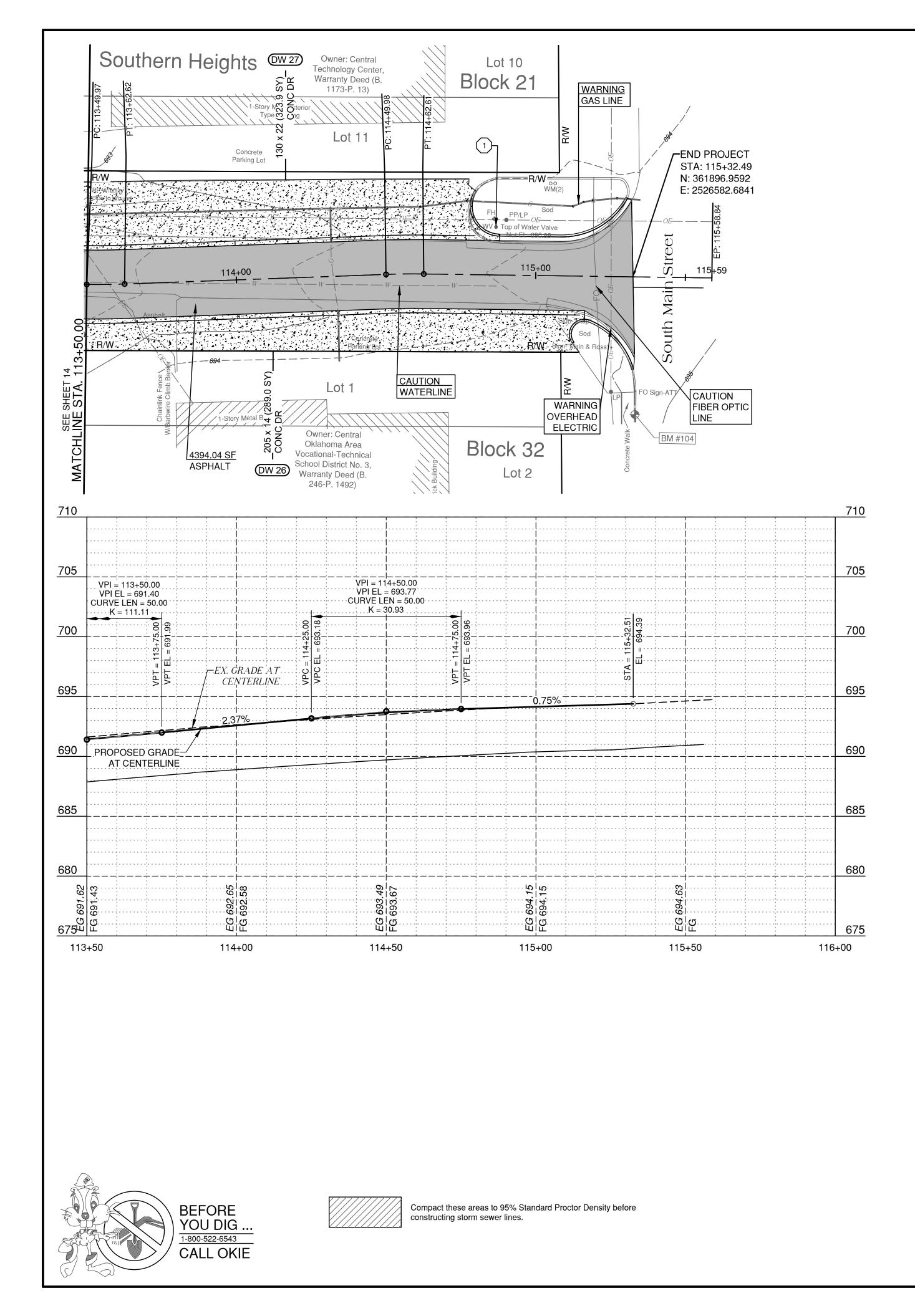


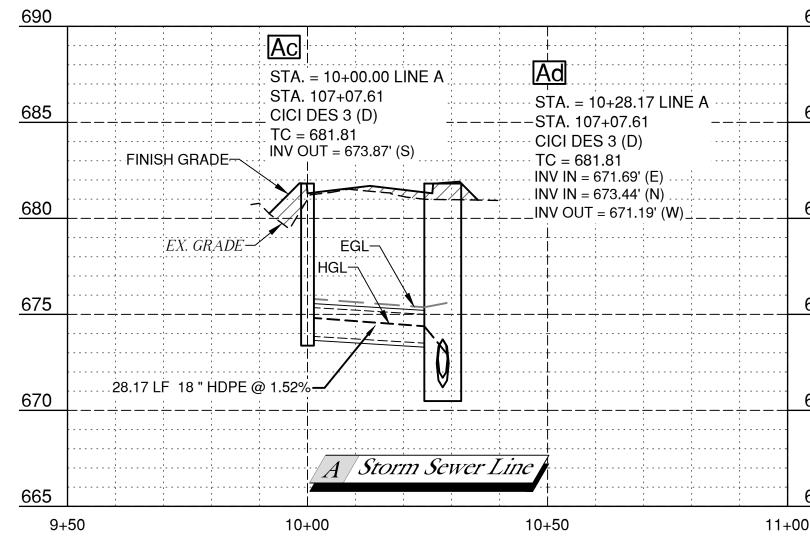


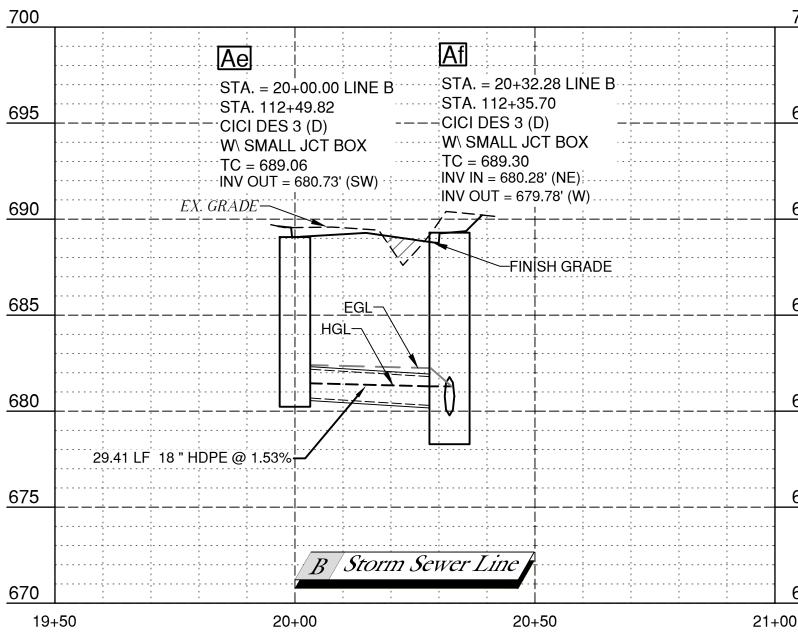
	CONCRETE DRIV	/EWAY	(6"-H.E.S.)	<i>OE</i>	EXISTING OVERHEAD ELECTRIC
	~~~			G	EXISTING GAS
	CONCRETE SIDE	WALK	(4")	<i>W</i>	EXISTING WATER
					EXISTING SANITARY SEWER
	TYPICAL 1 SECT	ION		<i>ST</i>	EXISTING STORM PIPE
$\times$		EET DE			PROPOSED STORM PIPE
$(\mathbf{X})$				EX-A	EXISTING CURB INLET TO BE REPLACED
(1)	ADJUST TO GRADE	(5)	CURB RAMP	Aa	PROPOSED CURB INLET
2	RELOCATE FIRE HYDRANT	6	CONTRACTOR TO GRADE TO DRAIN		PROPOSED STORM MANHOLE / JUNCTION BOX
3	REMOVAL OF EXISTING PIPE	7	REMOVE AREA INLET	*	GRATED MANHOLE COVER
4	REMOVE AND RESET MAIL BOX			A	PROPOSED STORM OULET STRUCTURE







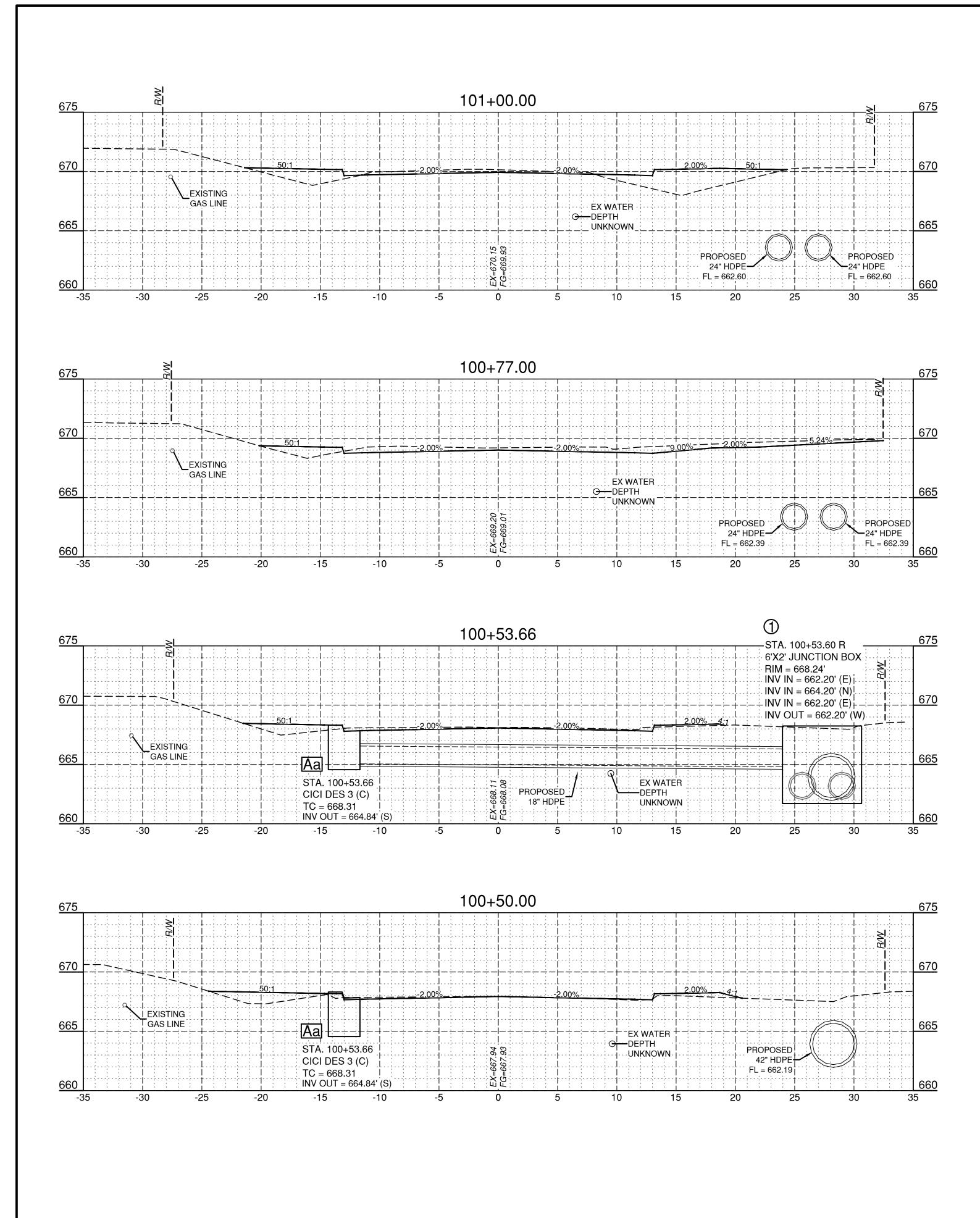


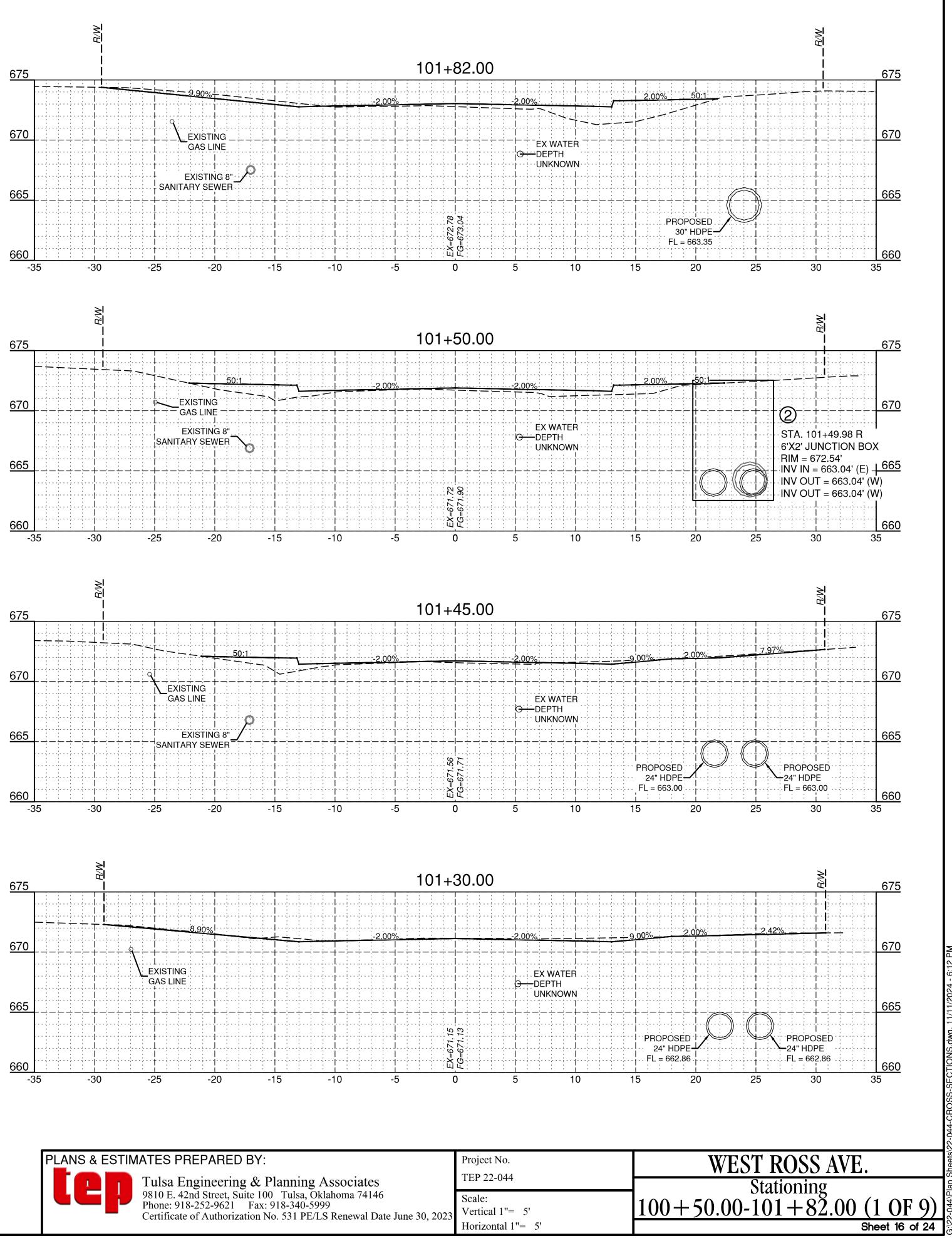


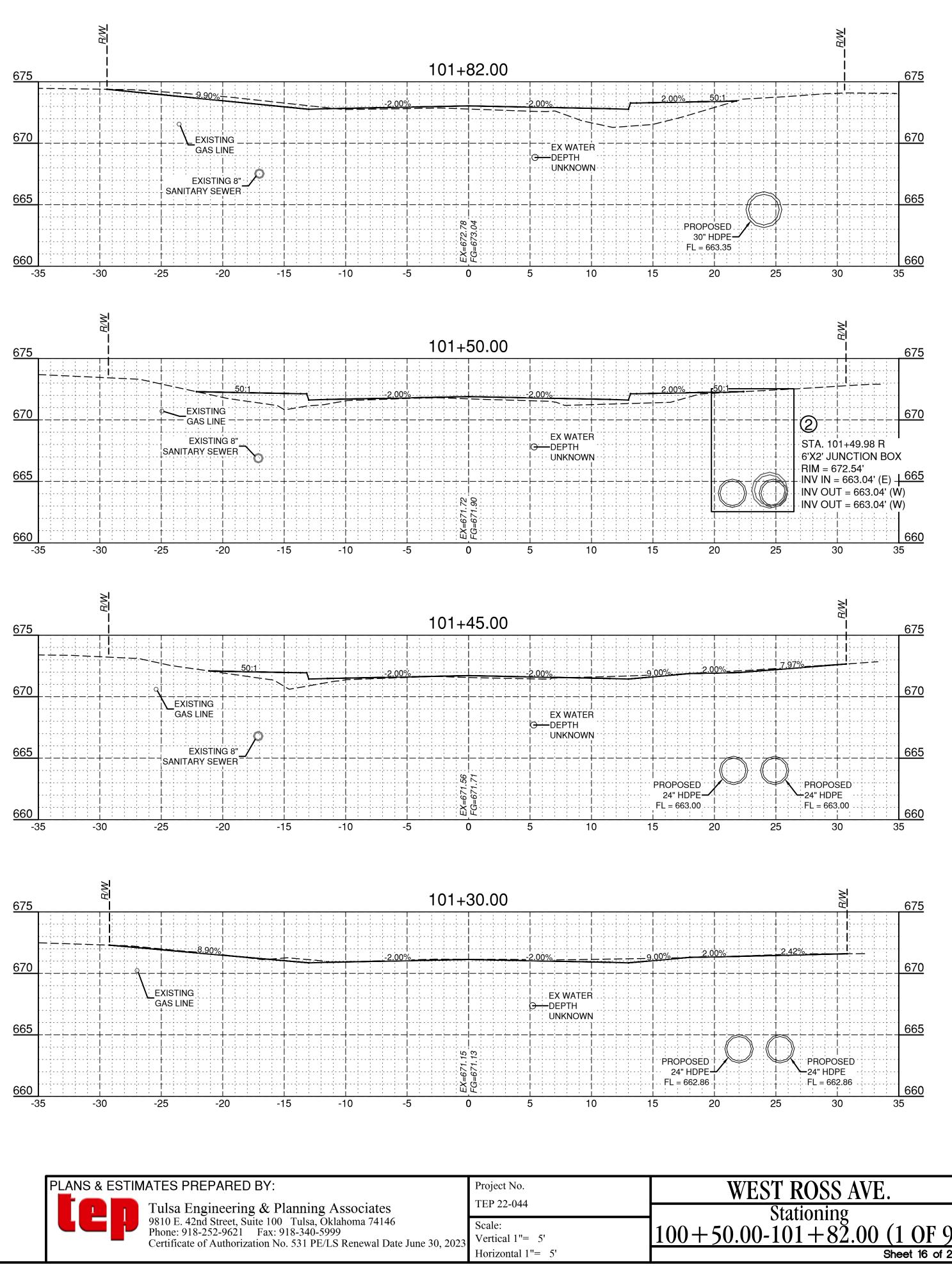
LEGEND		
CONCRETE DRIVEWAY (6"-H.E.S.) CONCRETE SIDEWALK (4") TYPICAL 1 SECTION CONCRETE STREET REPAIR	— — OE — — — — G — — — — W — — — — SS — — — — ST — — = — — ST — —	EXISTING OVERHEAD ELECTRIC EXISTING GAS EXISTING WATER EXISTING SANITARY SEWER EXISTING STORM PIPE PROPOSED STORM PIPE EXISTING CURB INLET
1ADJUST TO GRADE5CURB RAMP2RELOCATE FIRE HYDRANT6CONTRACTOR TO GRADE TO DRAIN3REMOVAL OF EXISTING PIPE7REMOVE AREA INLET4REMOVE AND RESET MAIL BOX7REMOVE AREA INLET		TO BE REPLACED PROPOSED CURB INLET PROPOSED STORM MANHOLE / JUNCTION BOX GRATED MANHOLE COVER PROPOSED STORM OULET STRUCTURE

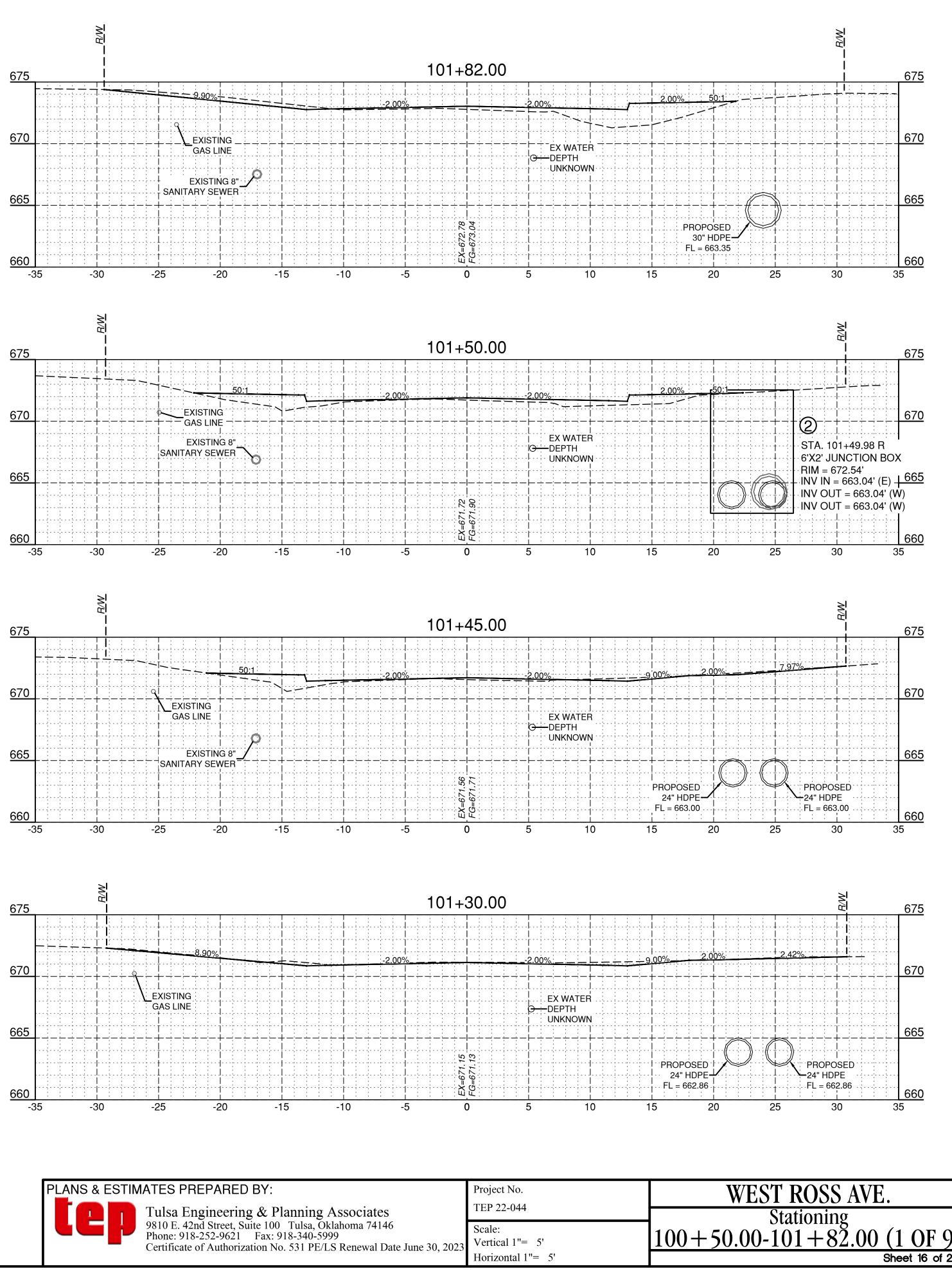
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			R		PLAN & (4 of 4)	<b>PROFILE</b>
1				WES	T ROSS	AVE.
		>				OKLAHOMA ARTMENT
	-20 -10 0 SCALE IN FEE	I	PLANS & EST	9810 E. 42 Phop Certificate of Au	ngineering & Ind Street, Suite ne: 918-252-962 thorization No. 531	<b>&amp; Planning Associates</b> 100 Tulsa, Oklahoma 74146 1 Fax: 918-340-5999 PE/LS Renewal Date June 30, 2025
	REVISION	BY DATE	PLAN SCALE 1:20 PROFILE SCALE	DRAWN DESIGNED SURVEY PROJ. MGR.	JMS         11/2024           BC         11/2024           BDL         11/2024	
			HORIZONTAL:	LEAD ENGR.		
			1:20 VERTICAL:	RECOMMENDED:		
			1:5 FILE: <u>22-044-ROAI</u>			CITY ENGINEER DATE:
I			ATLAS PAGE NO.	:N/.	Α	SHEET 15 OF 24 SHEETS

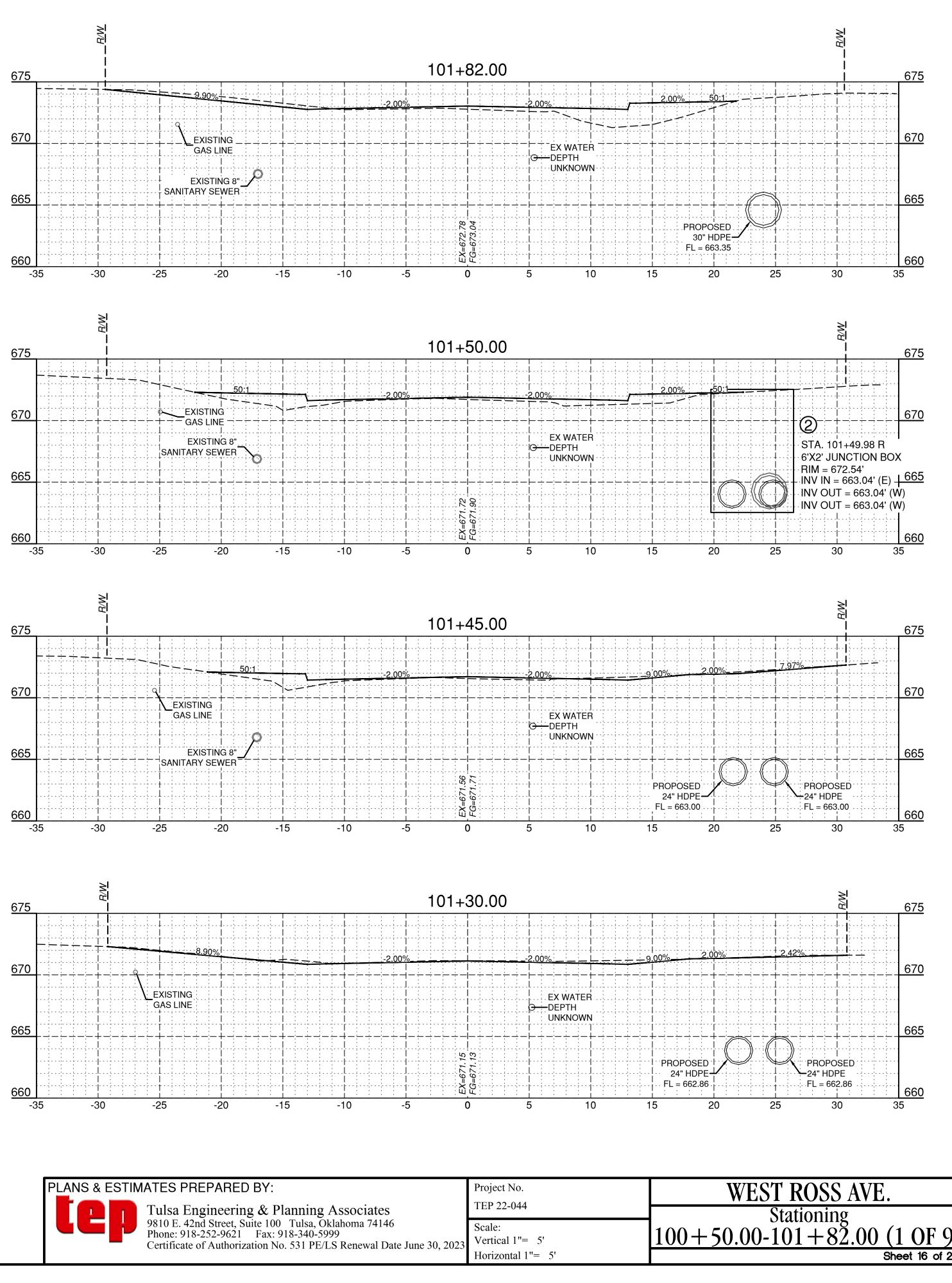
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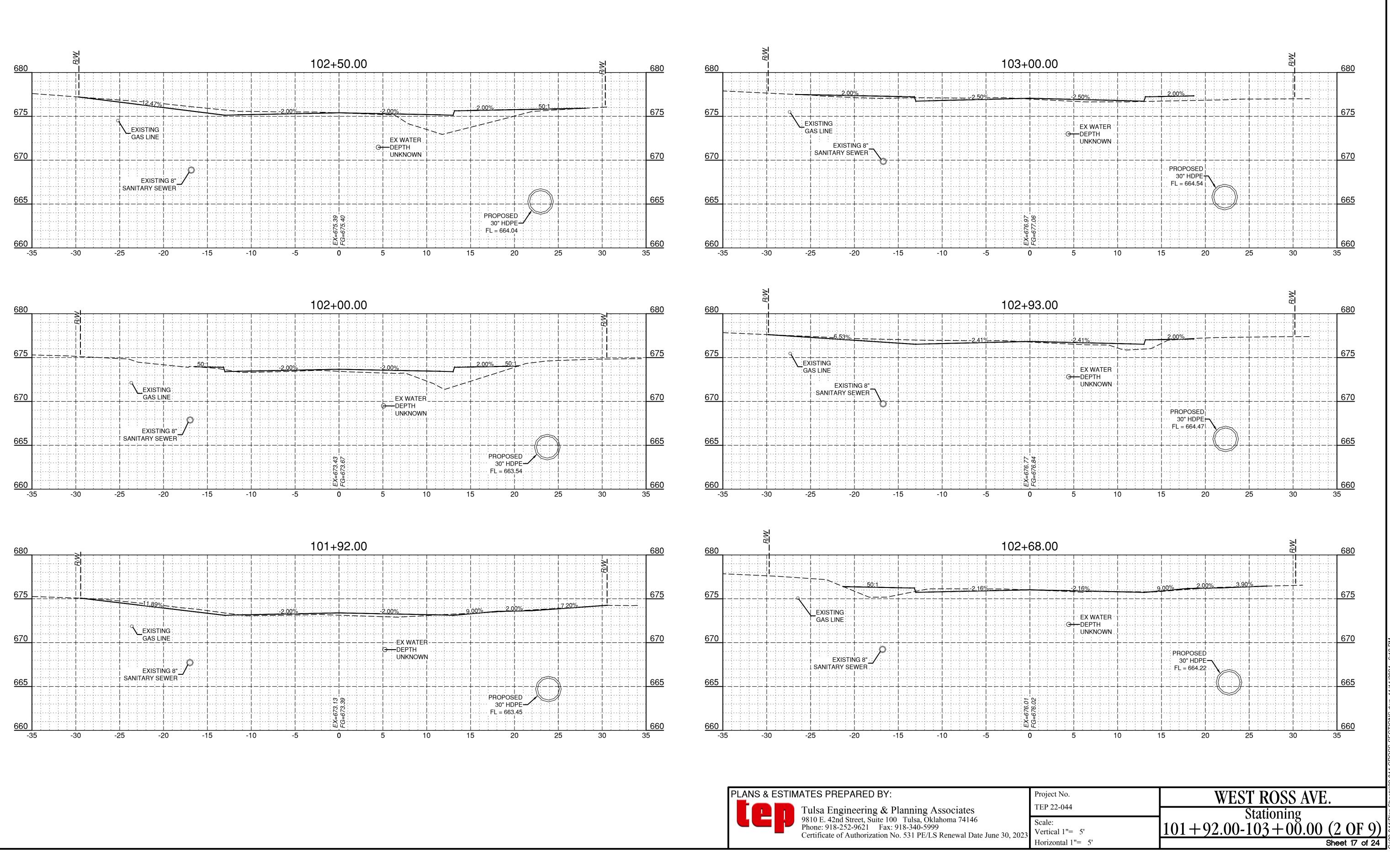




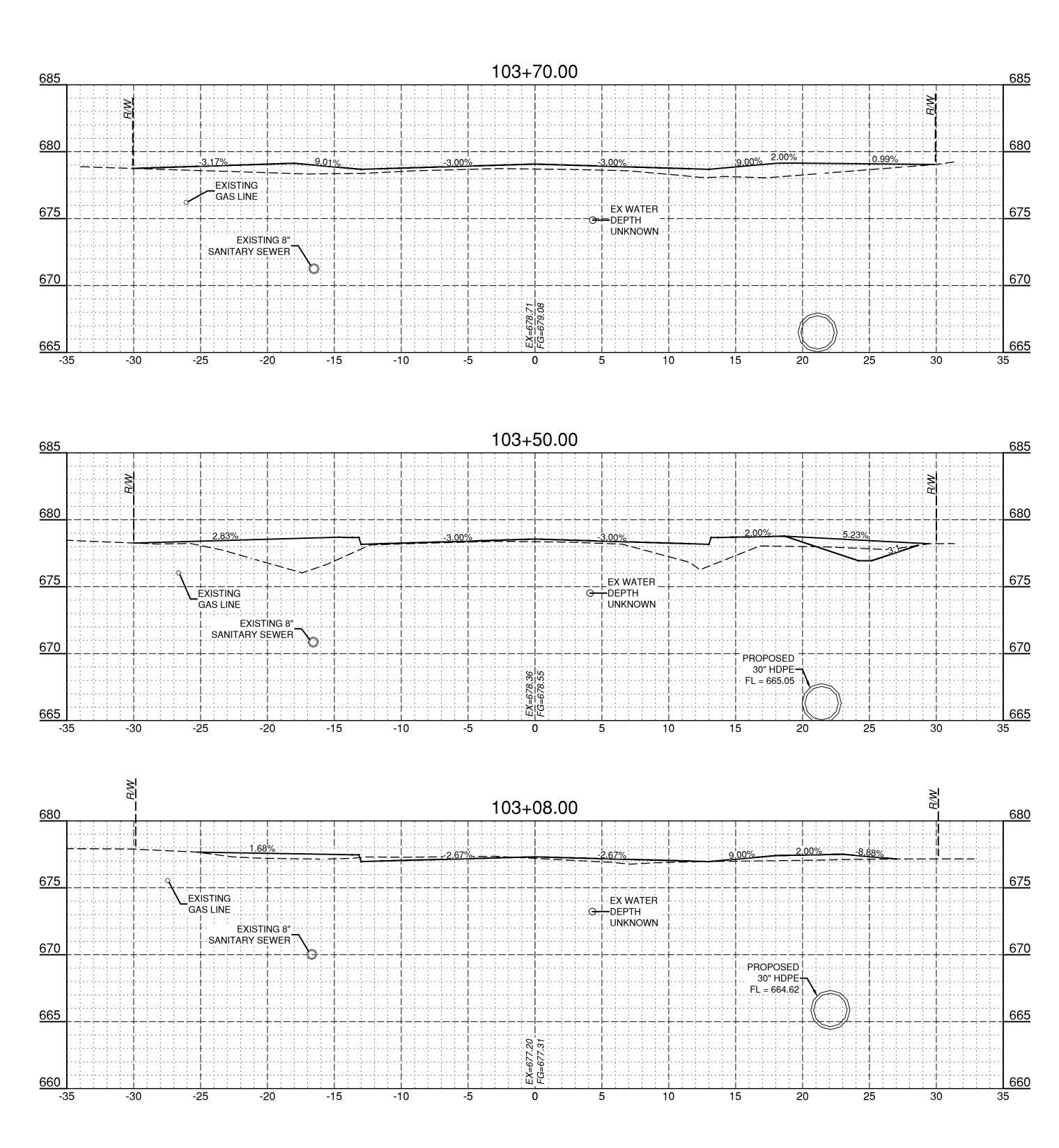


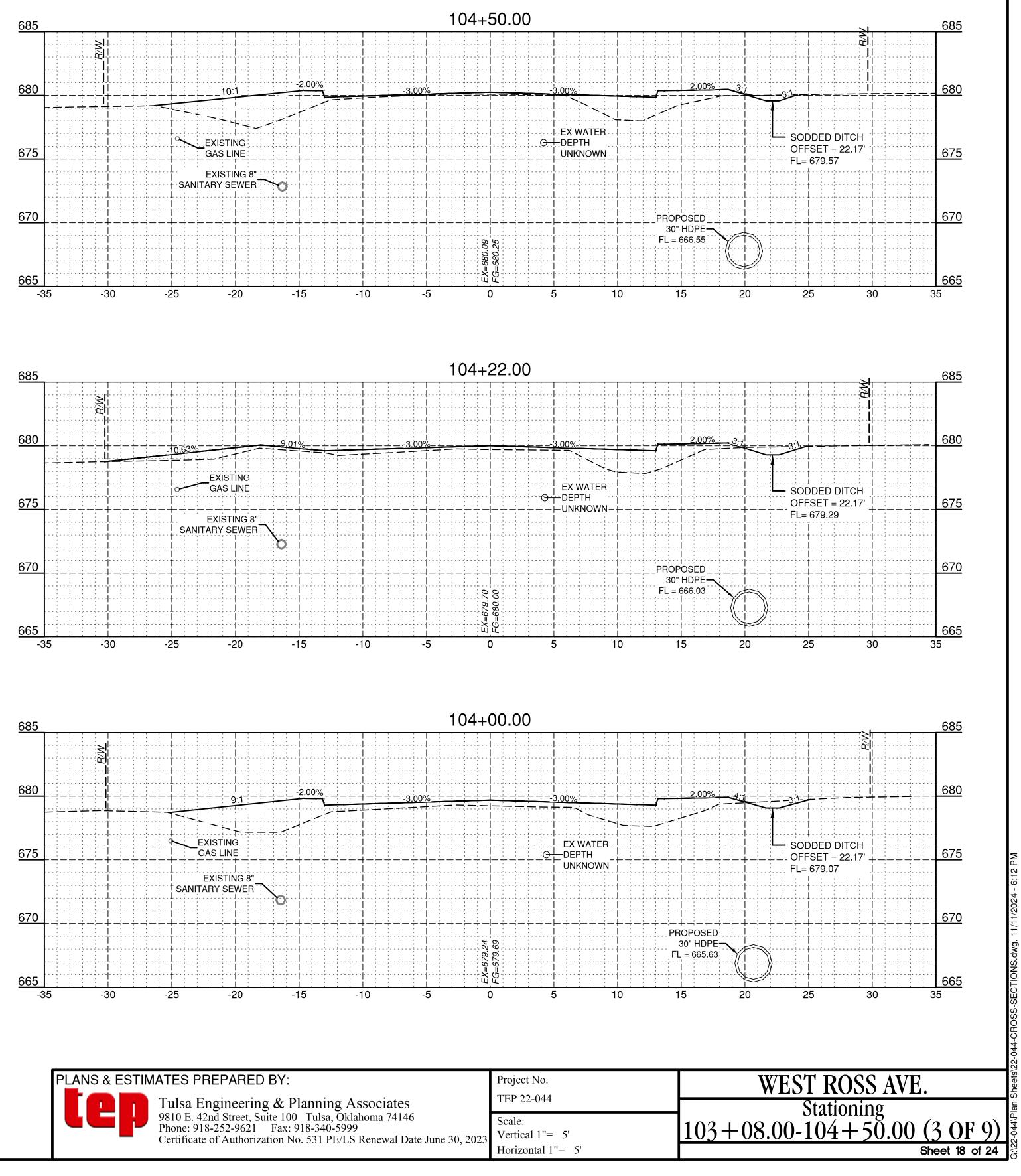


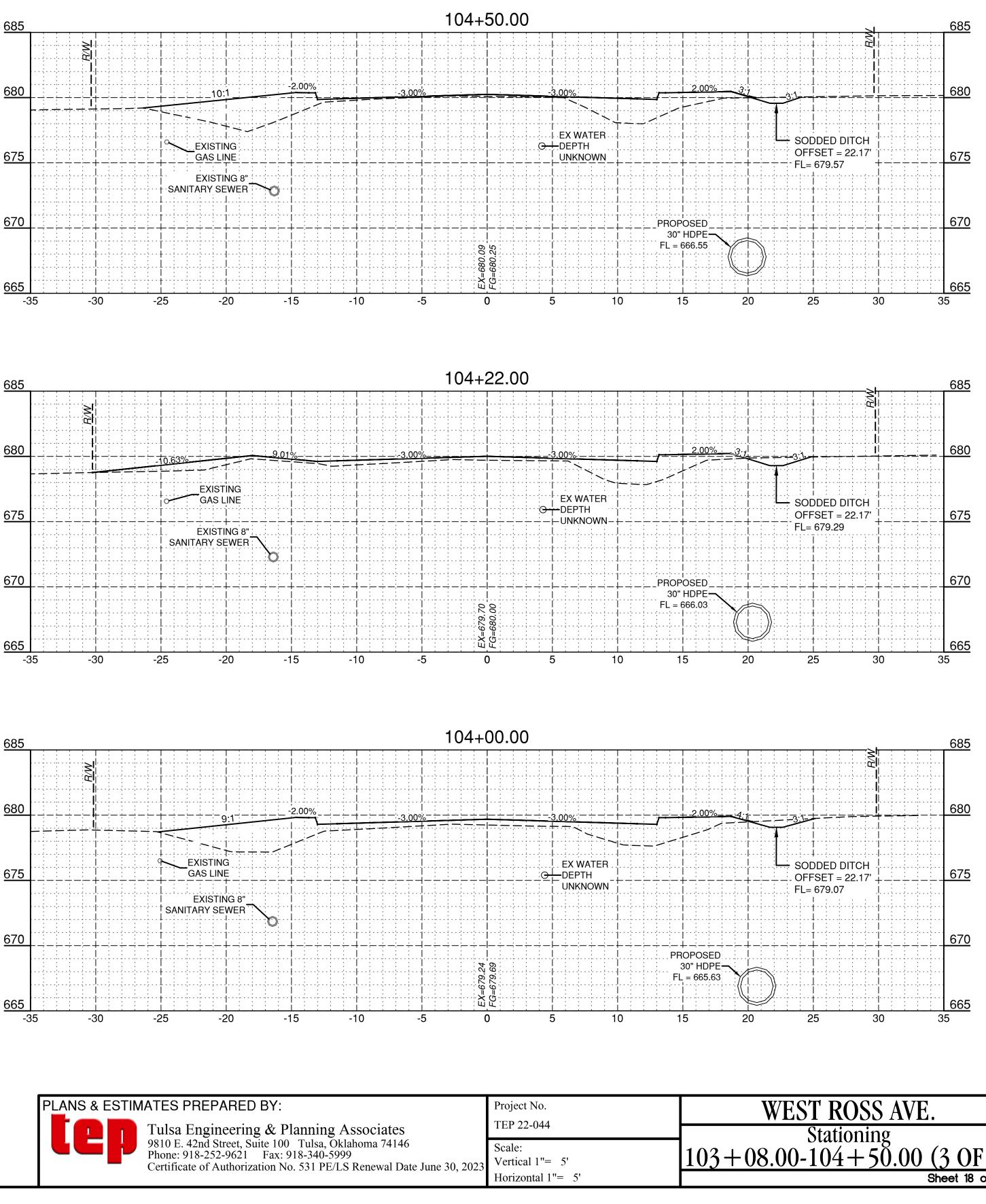


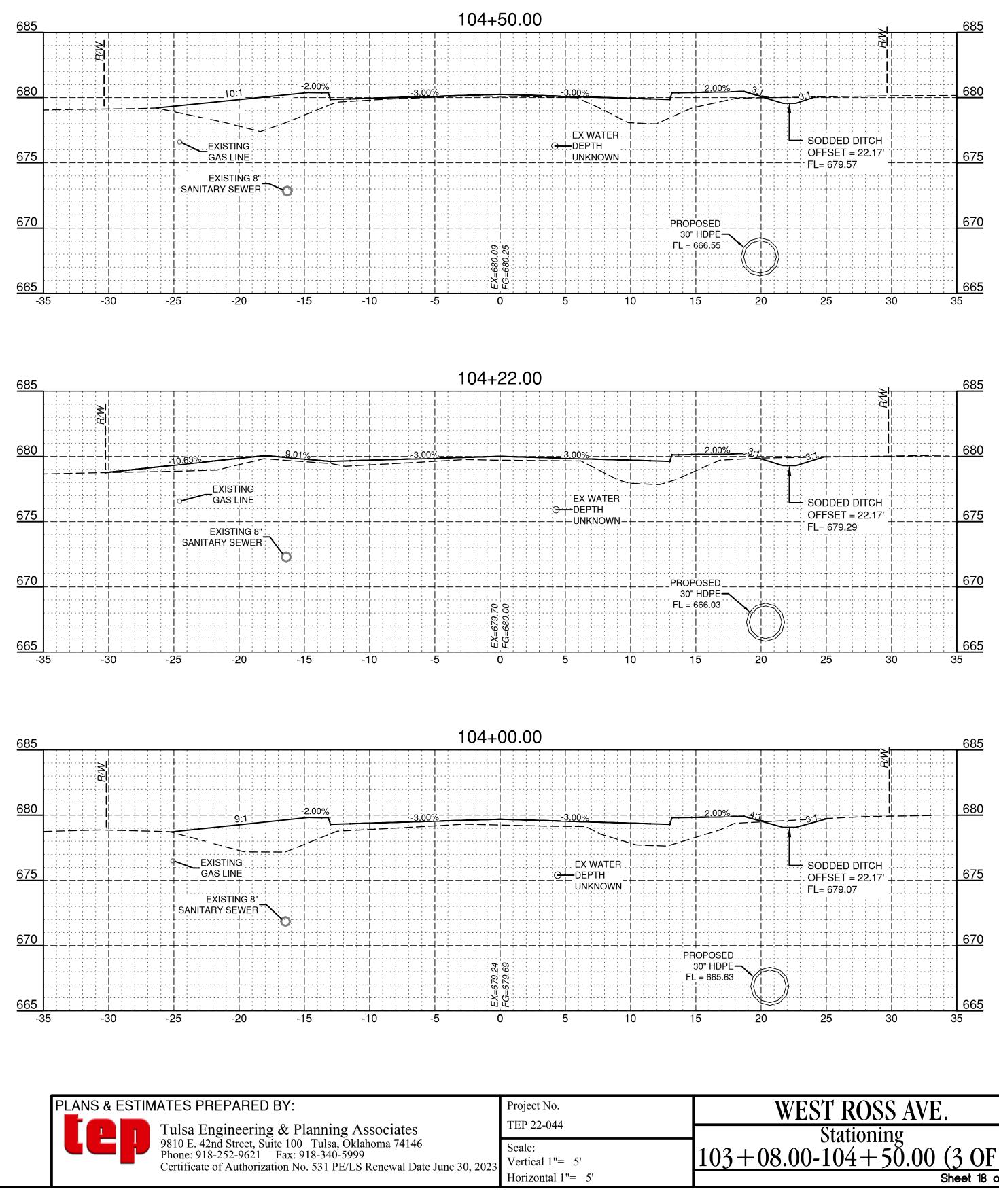






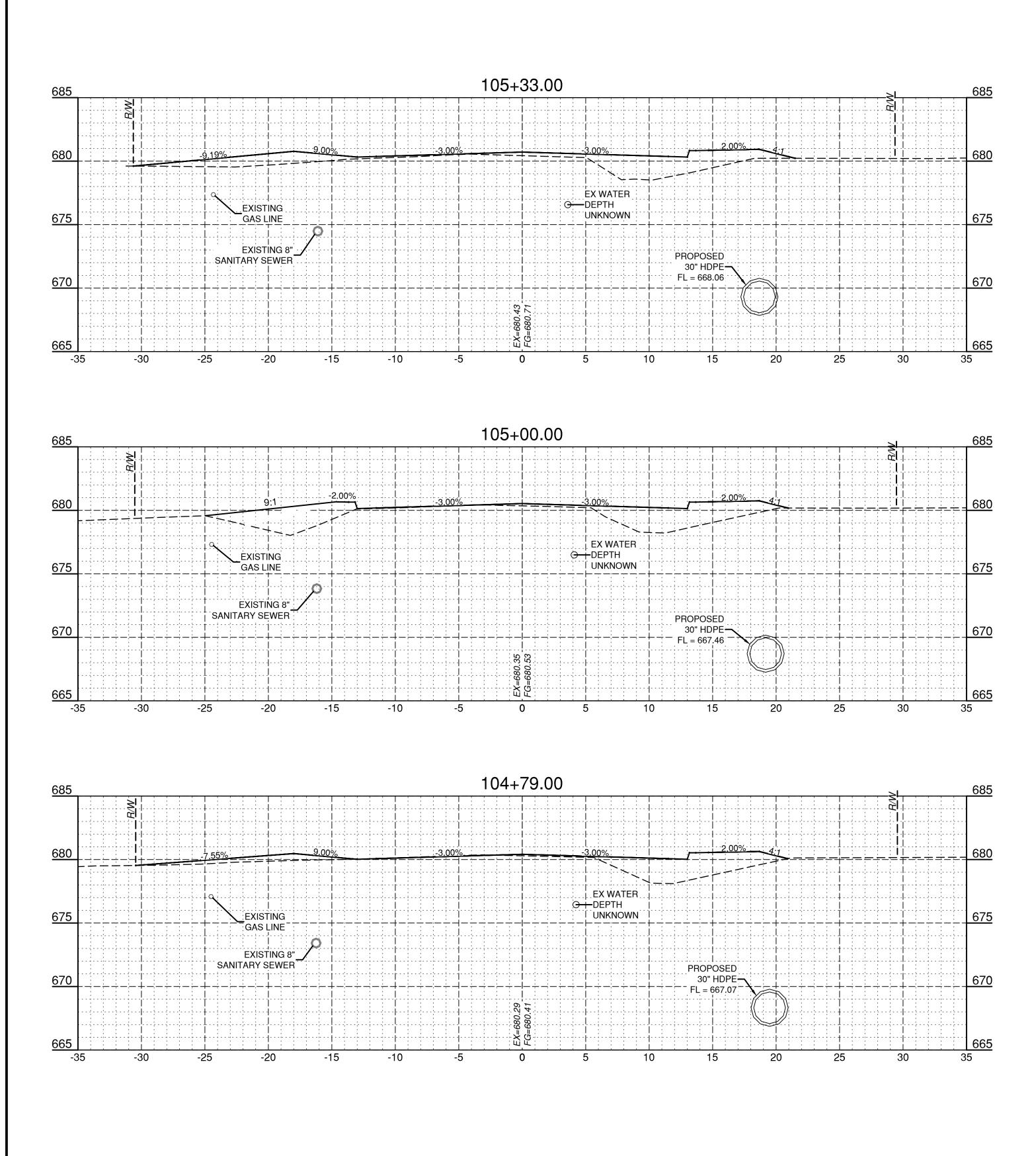


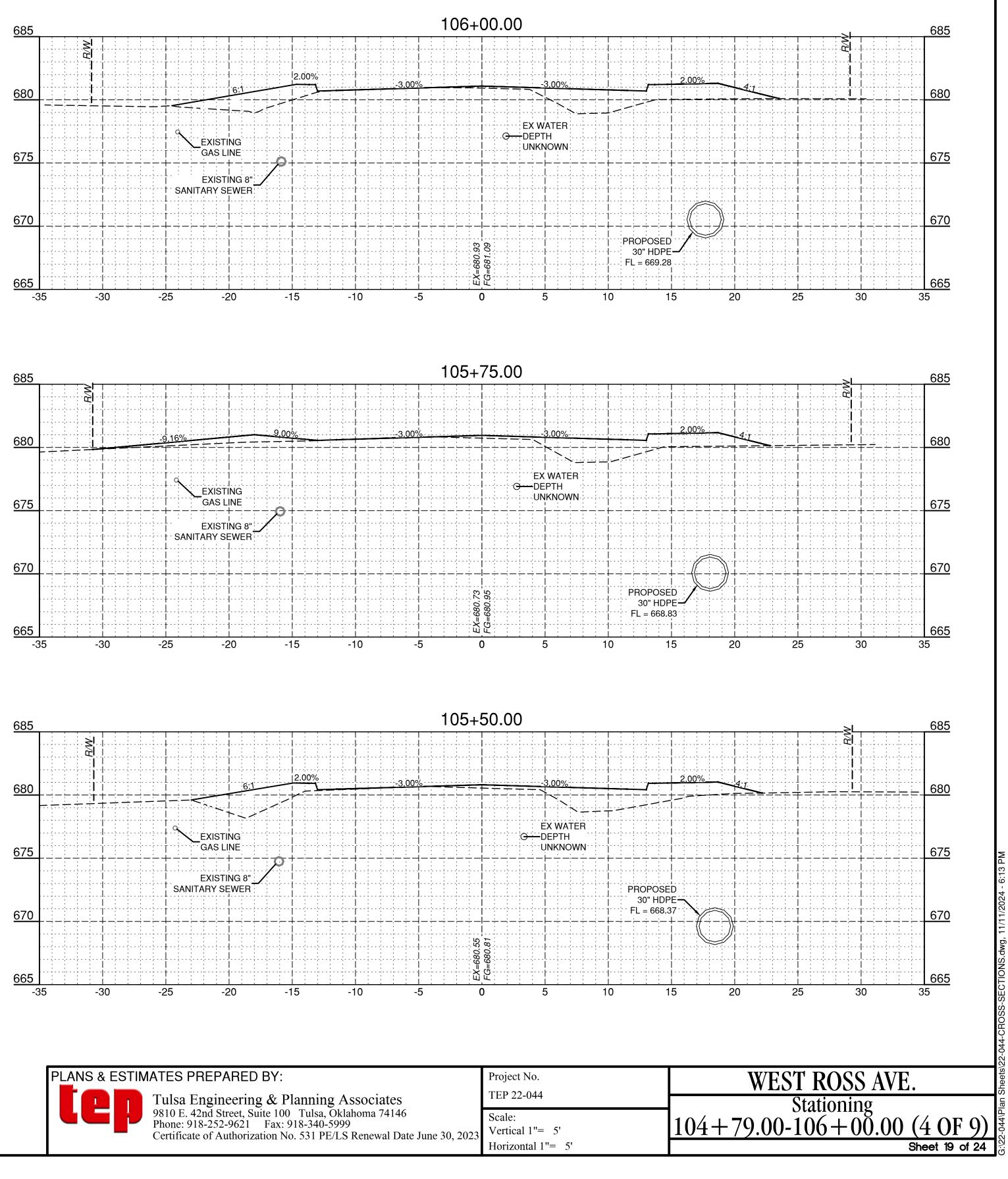


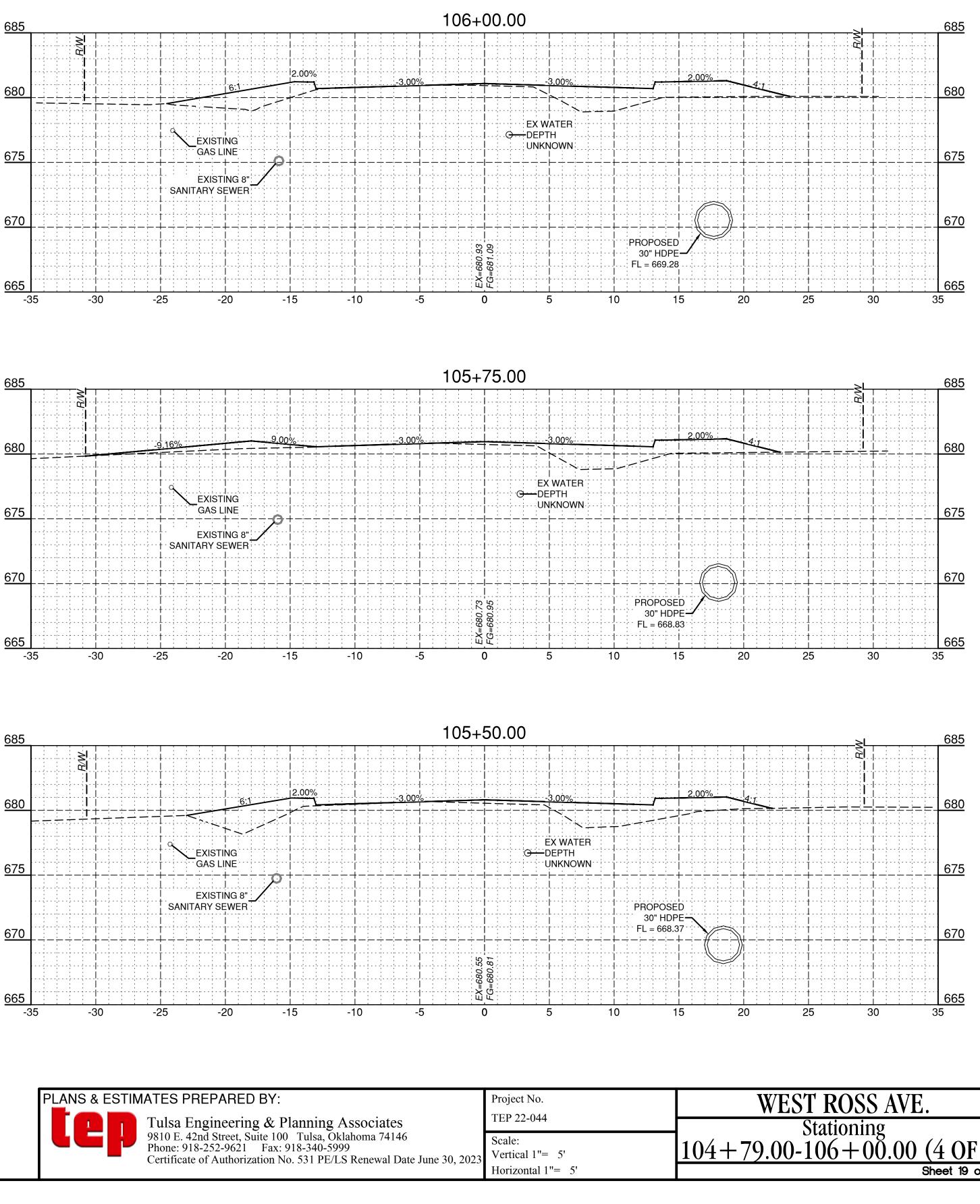


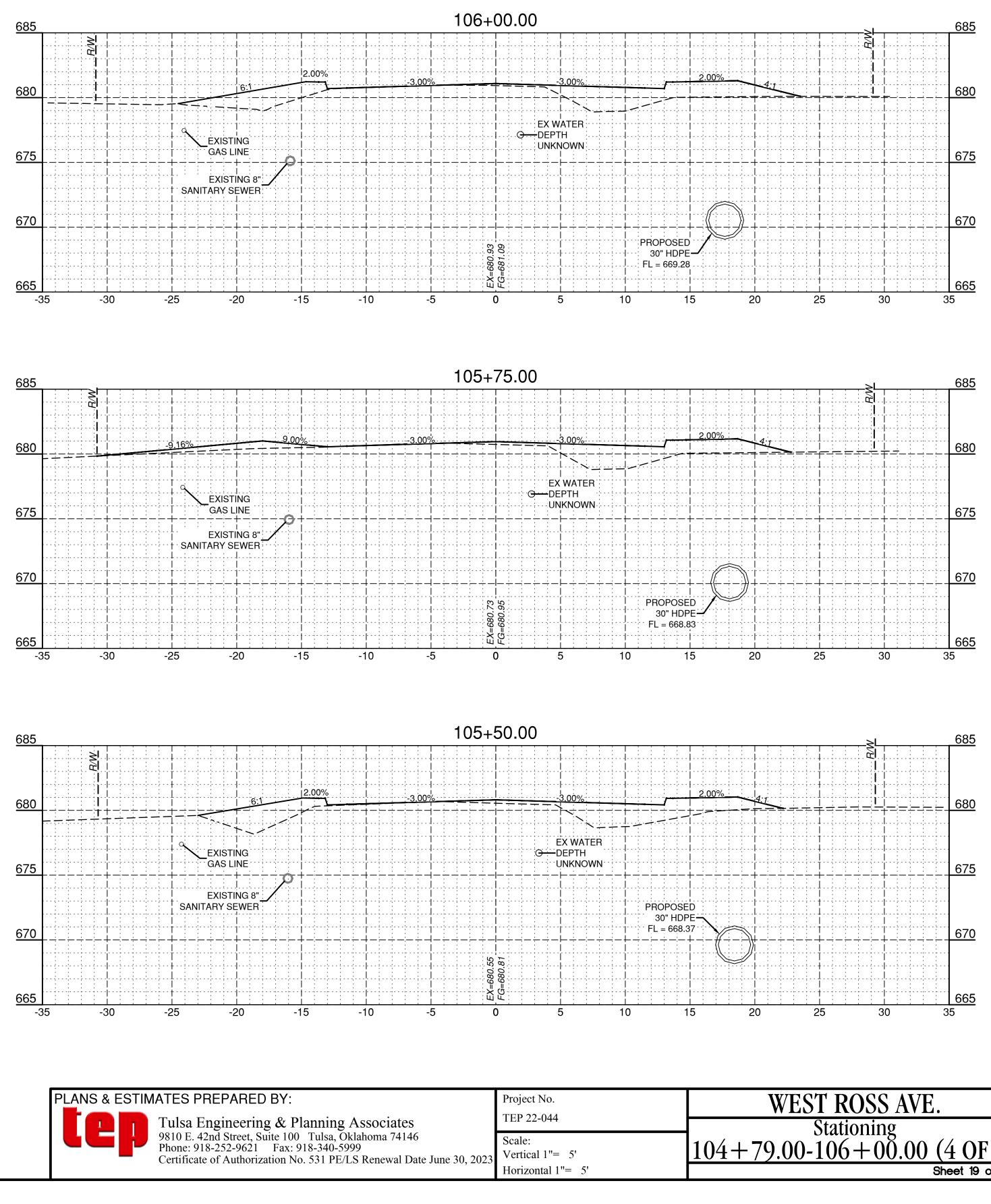






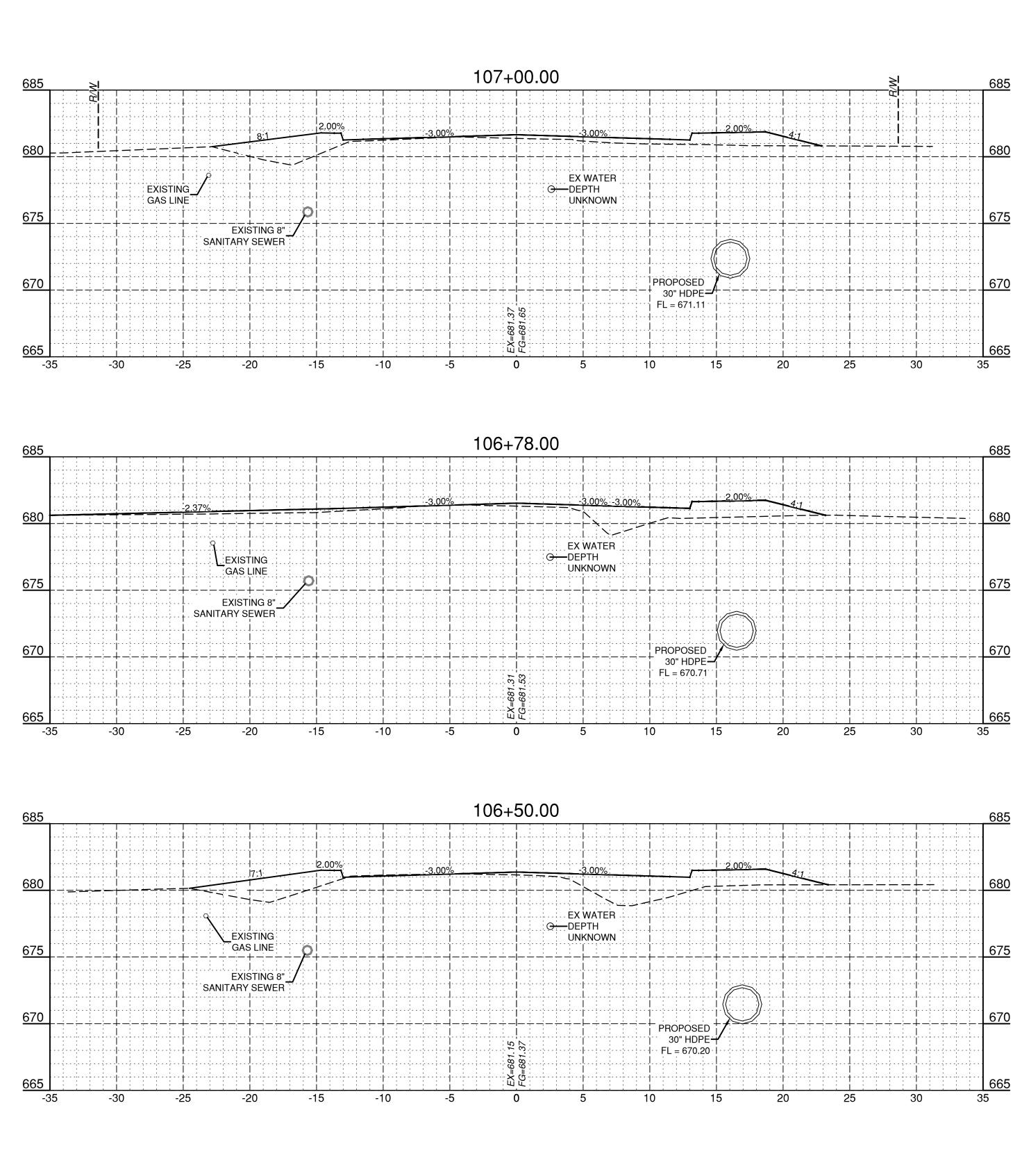


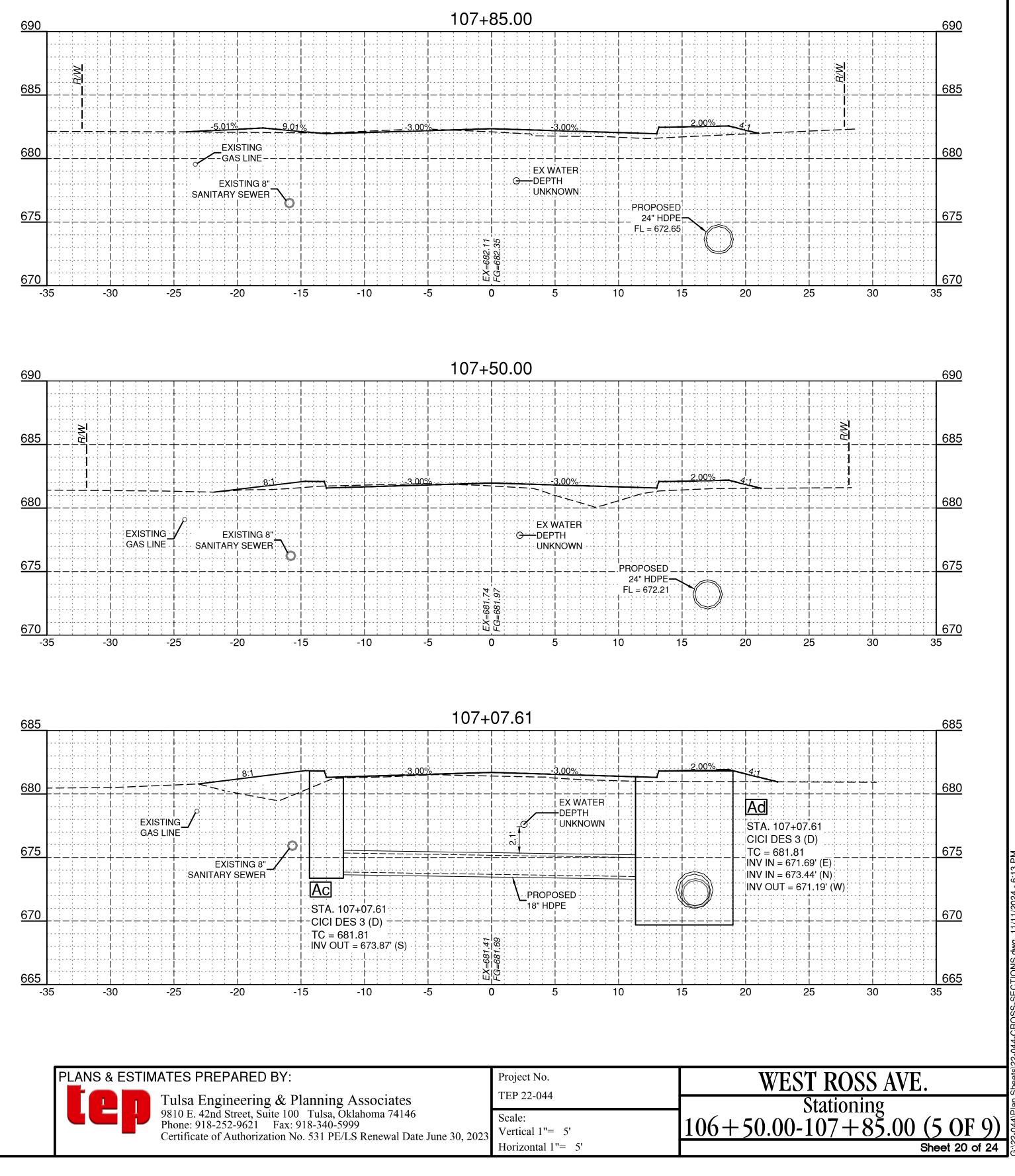


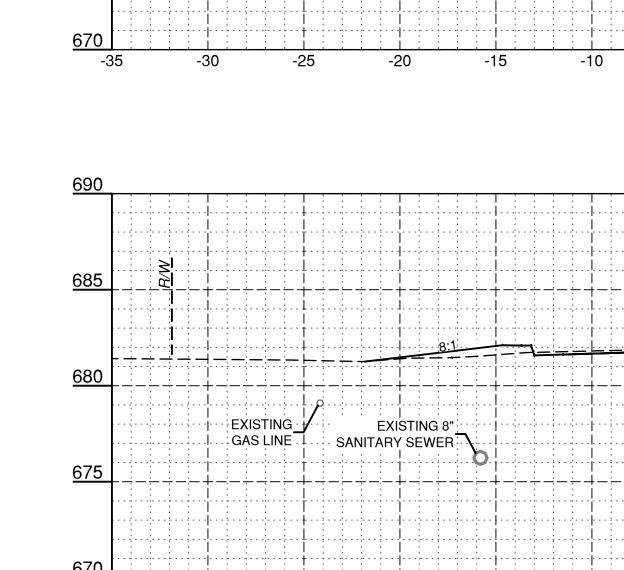


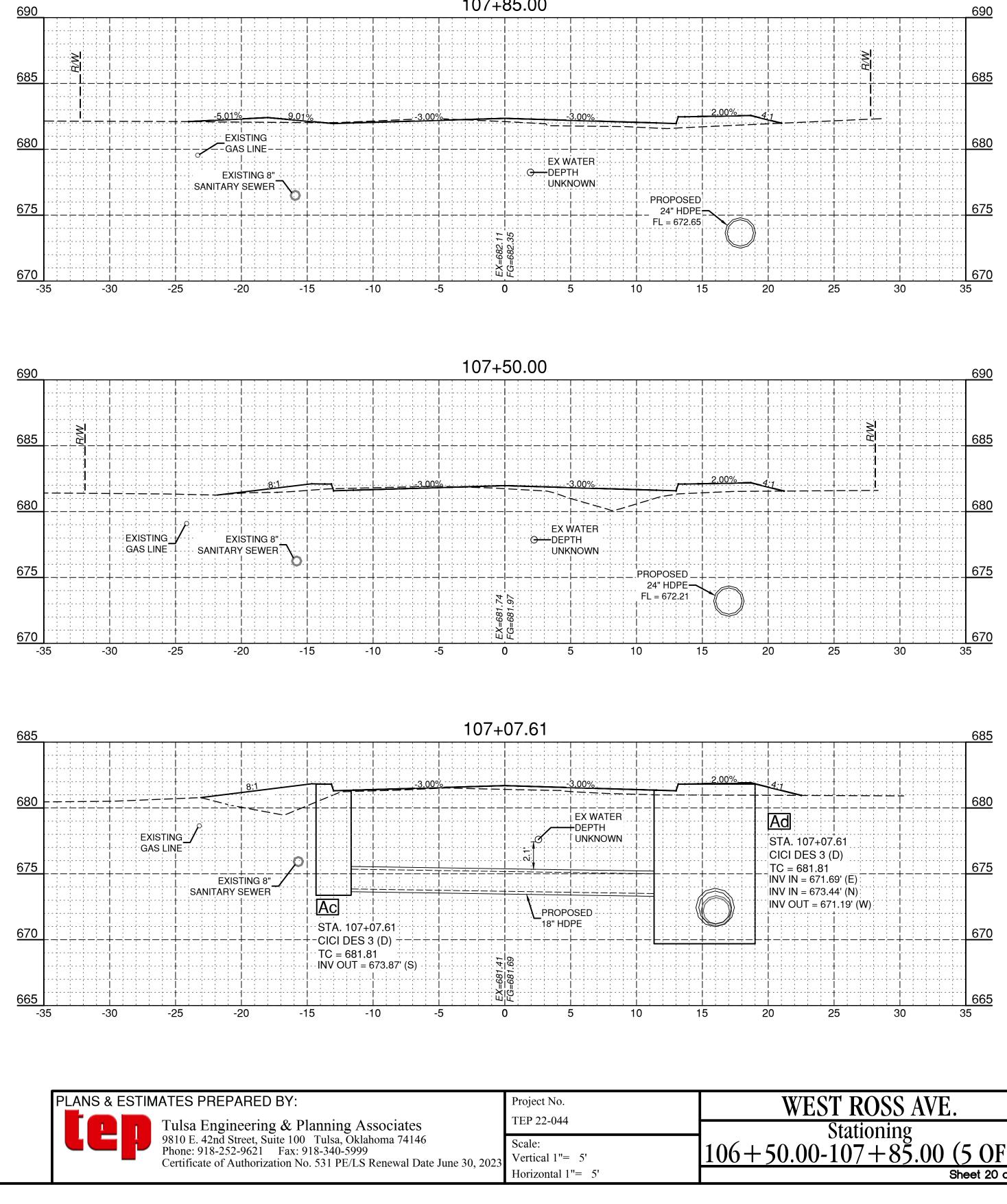






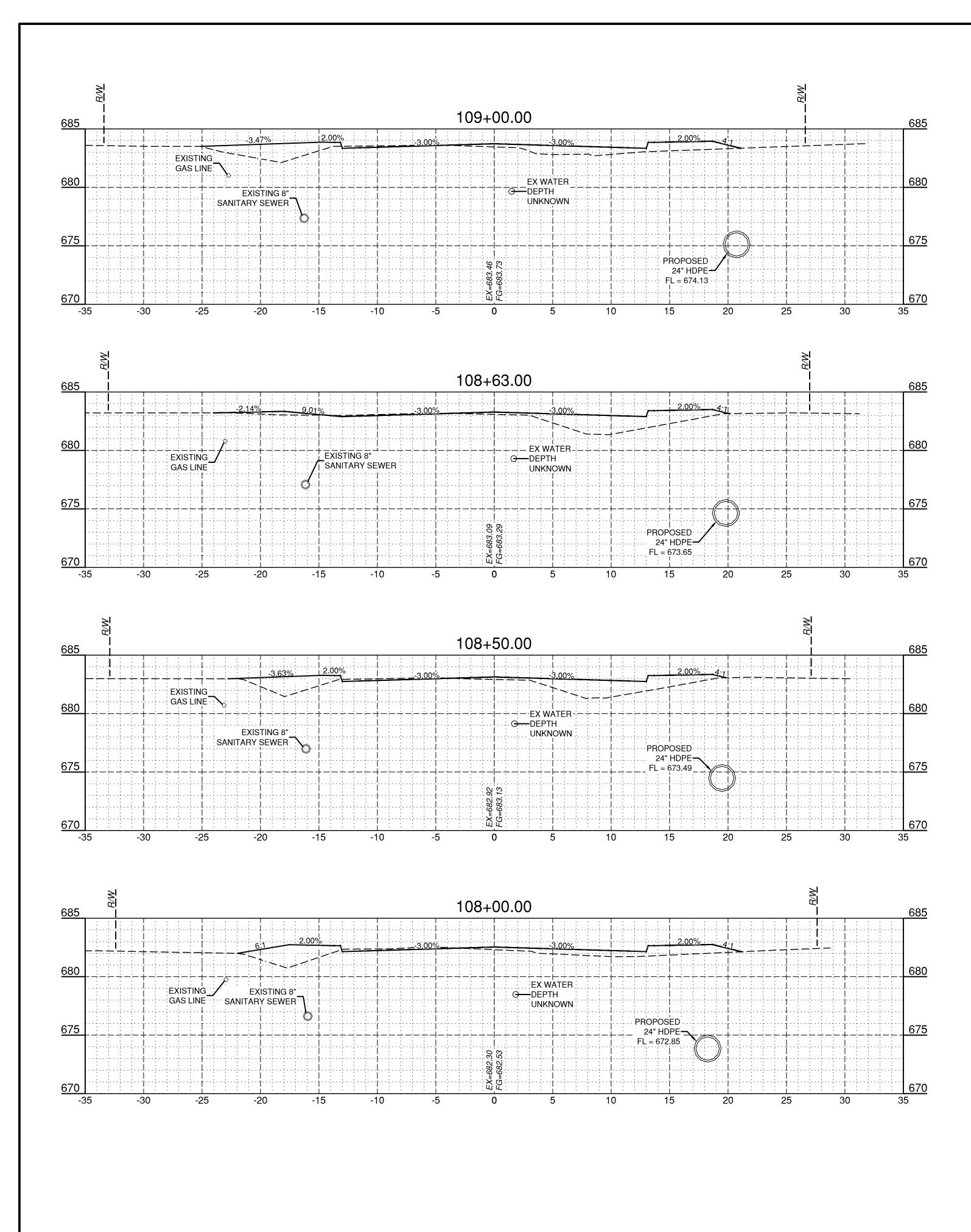


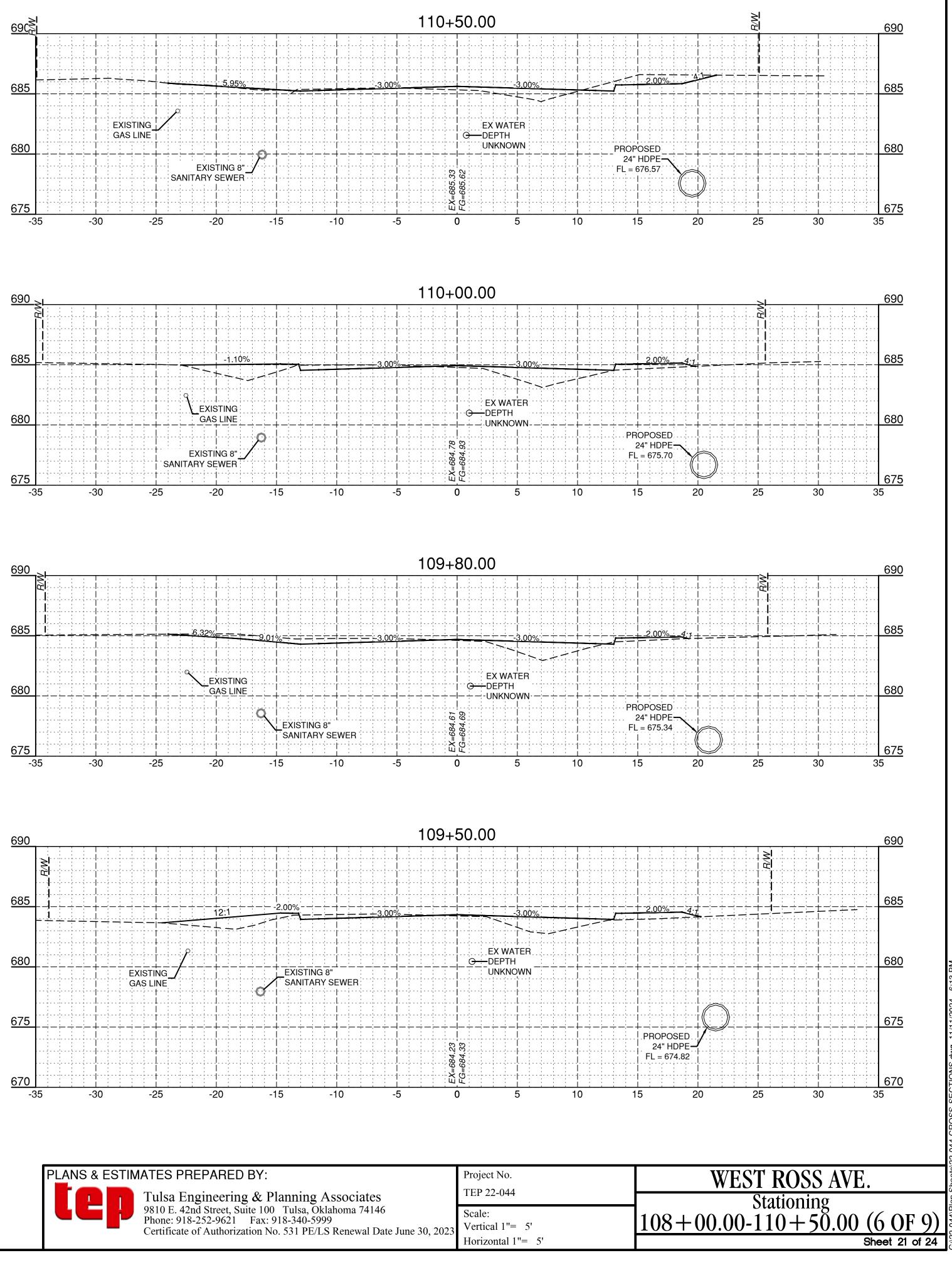




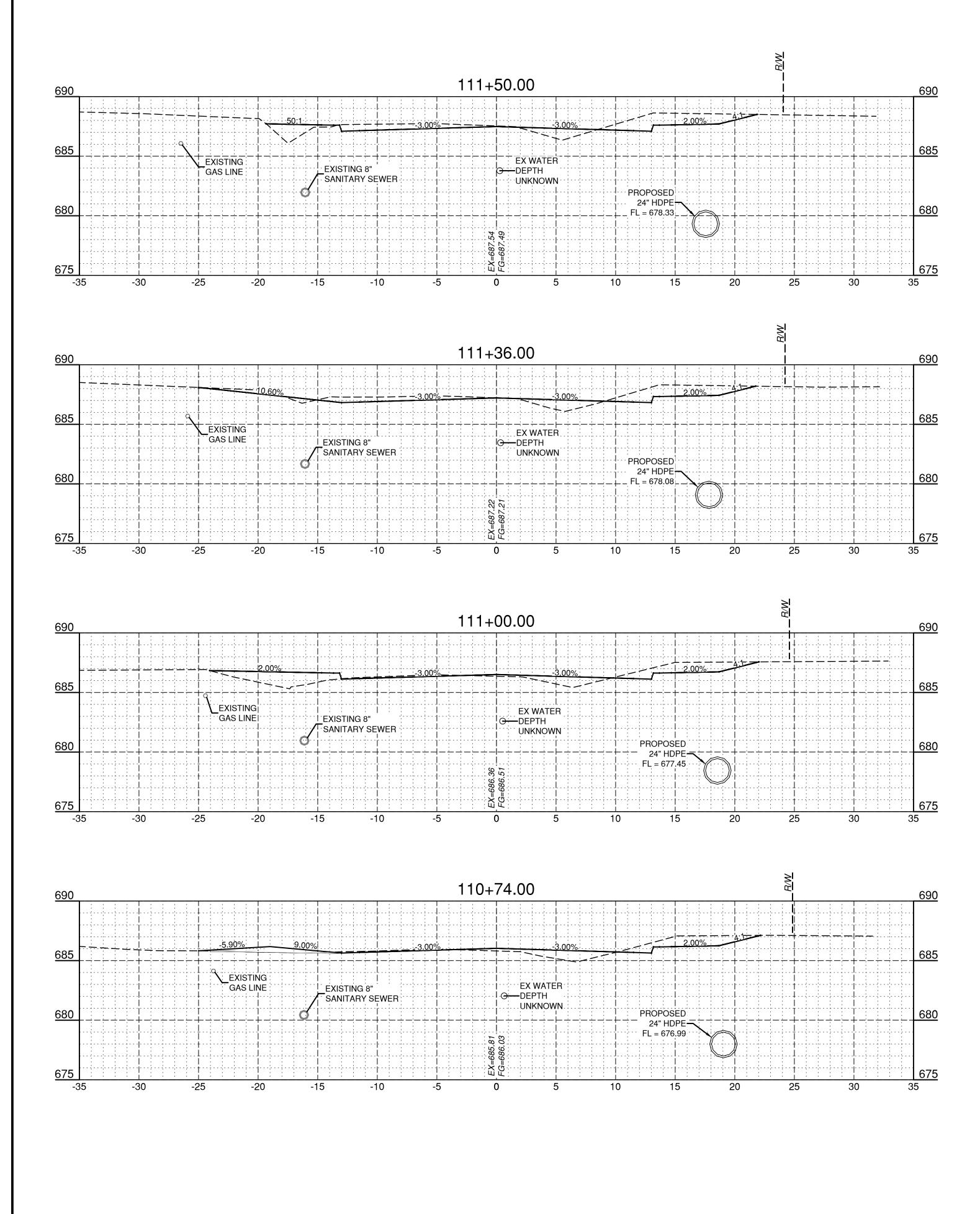


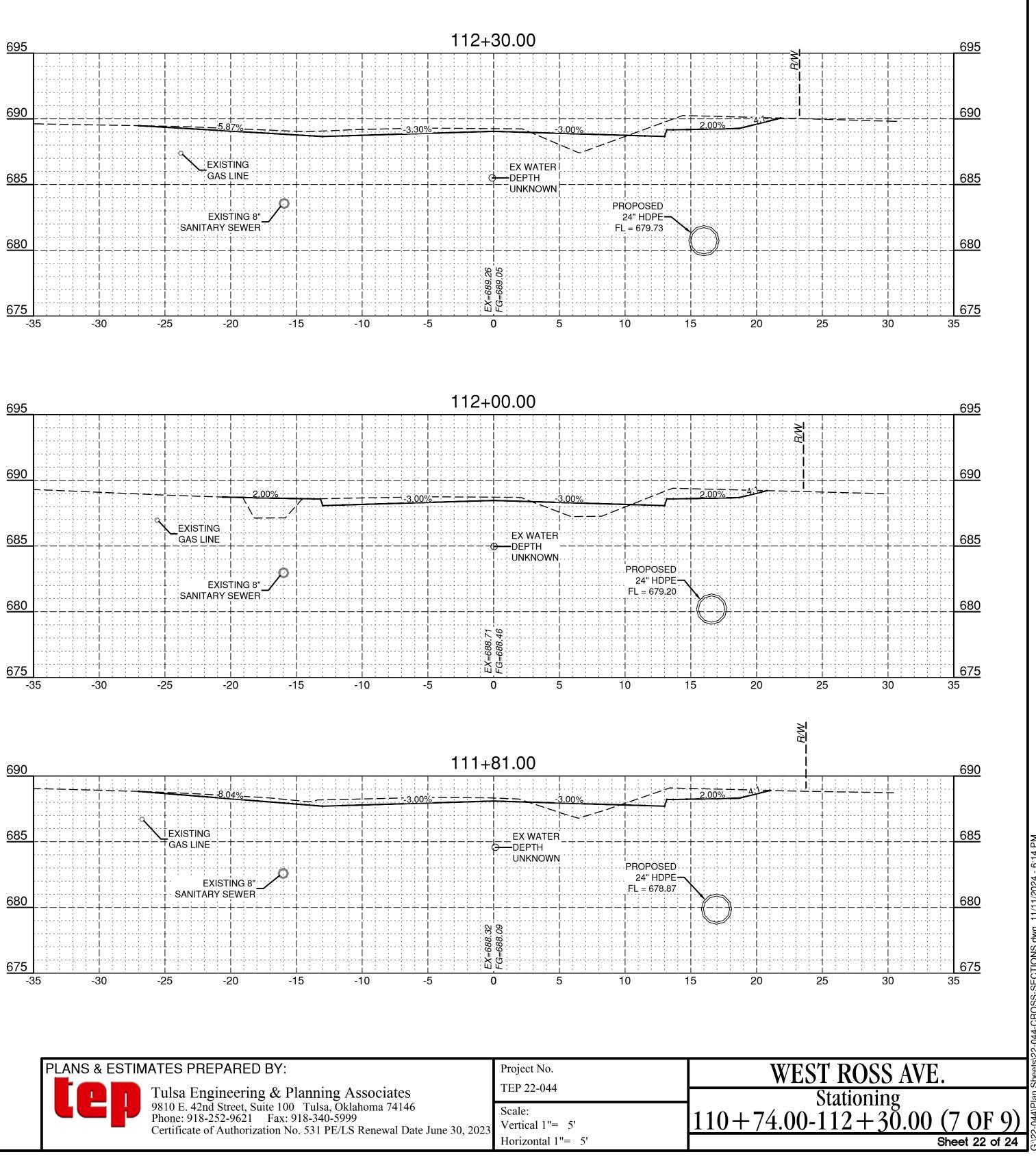


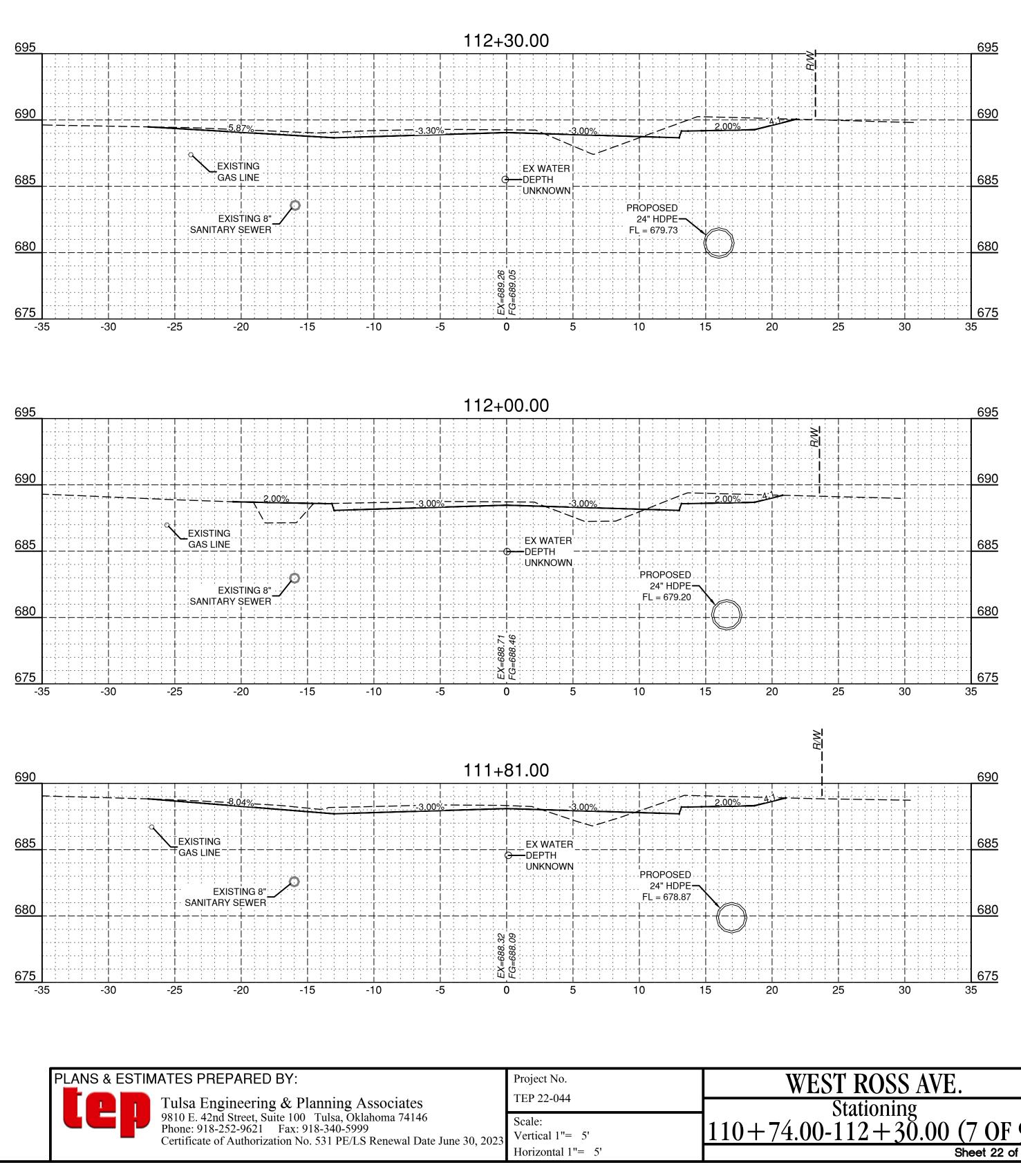




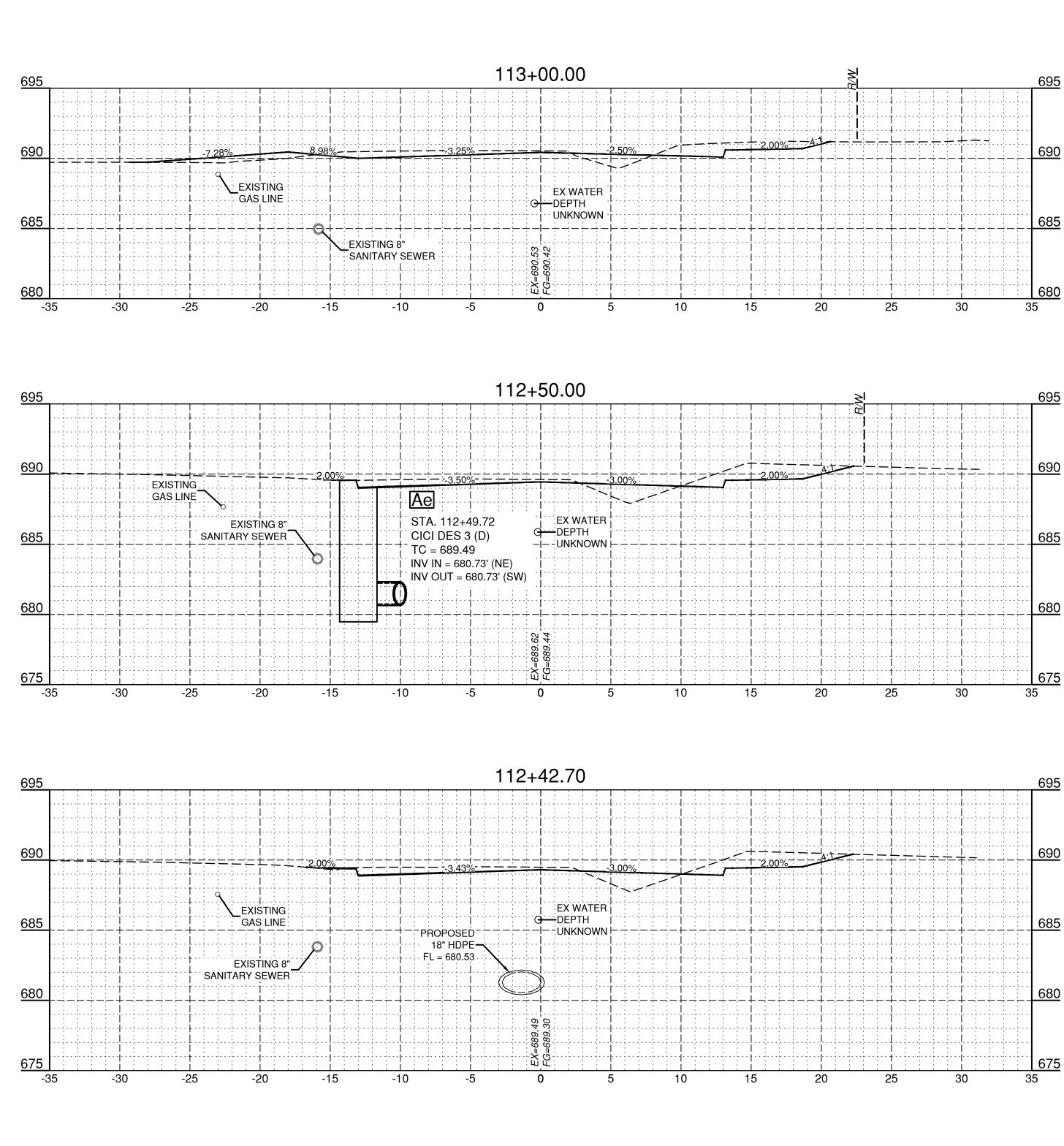


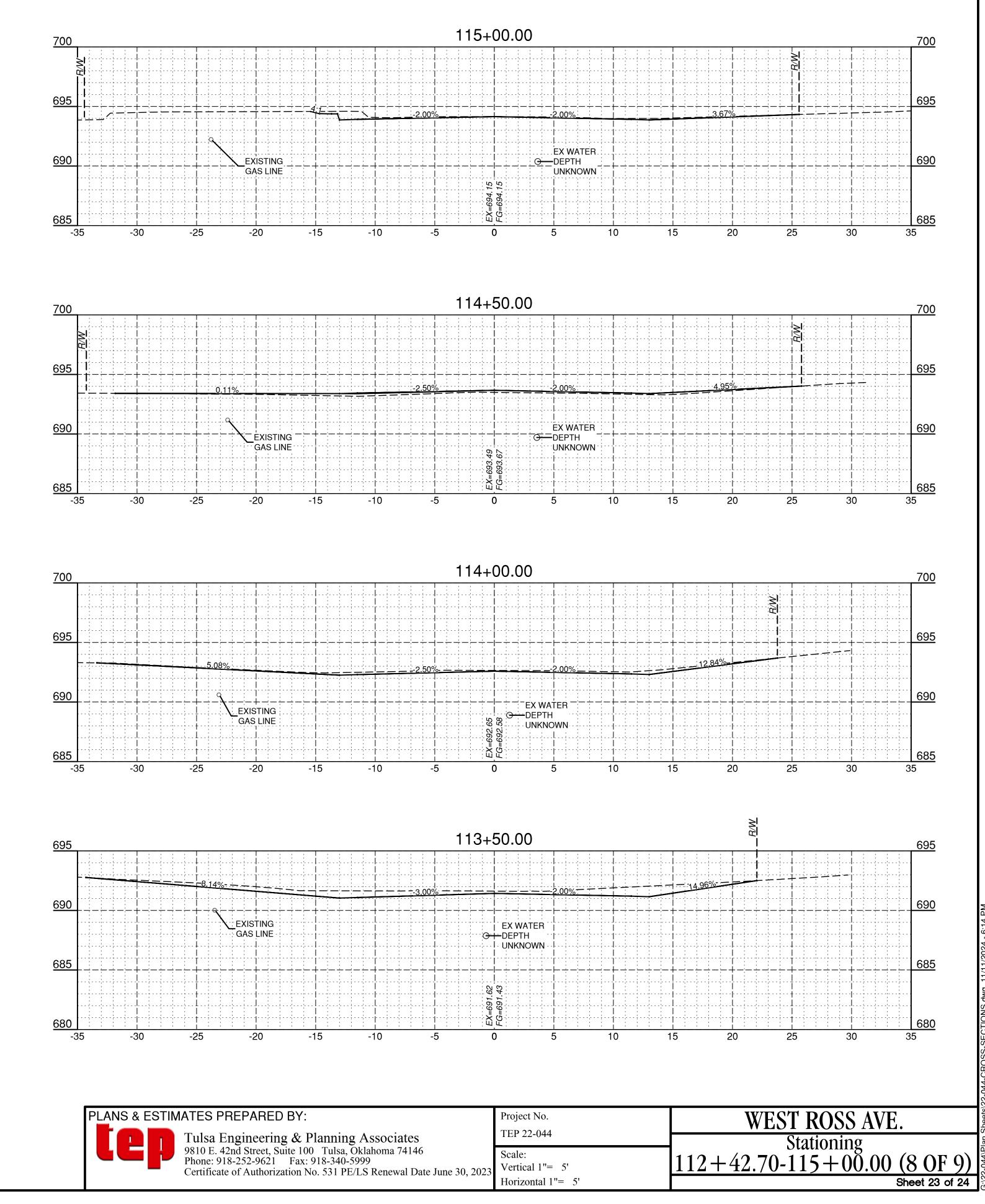




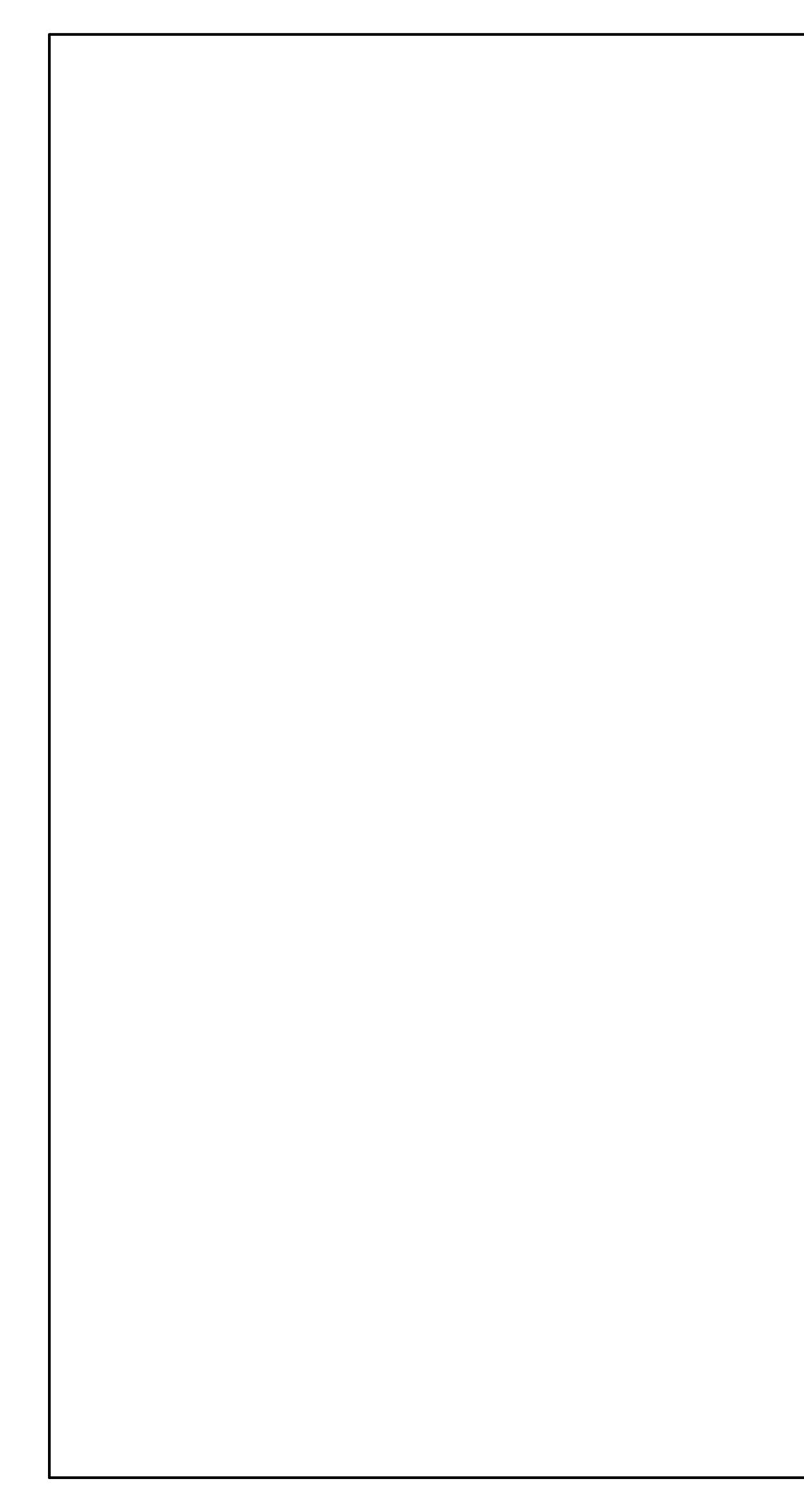


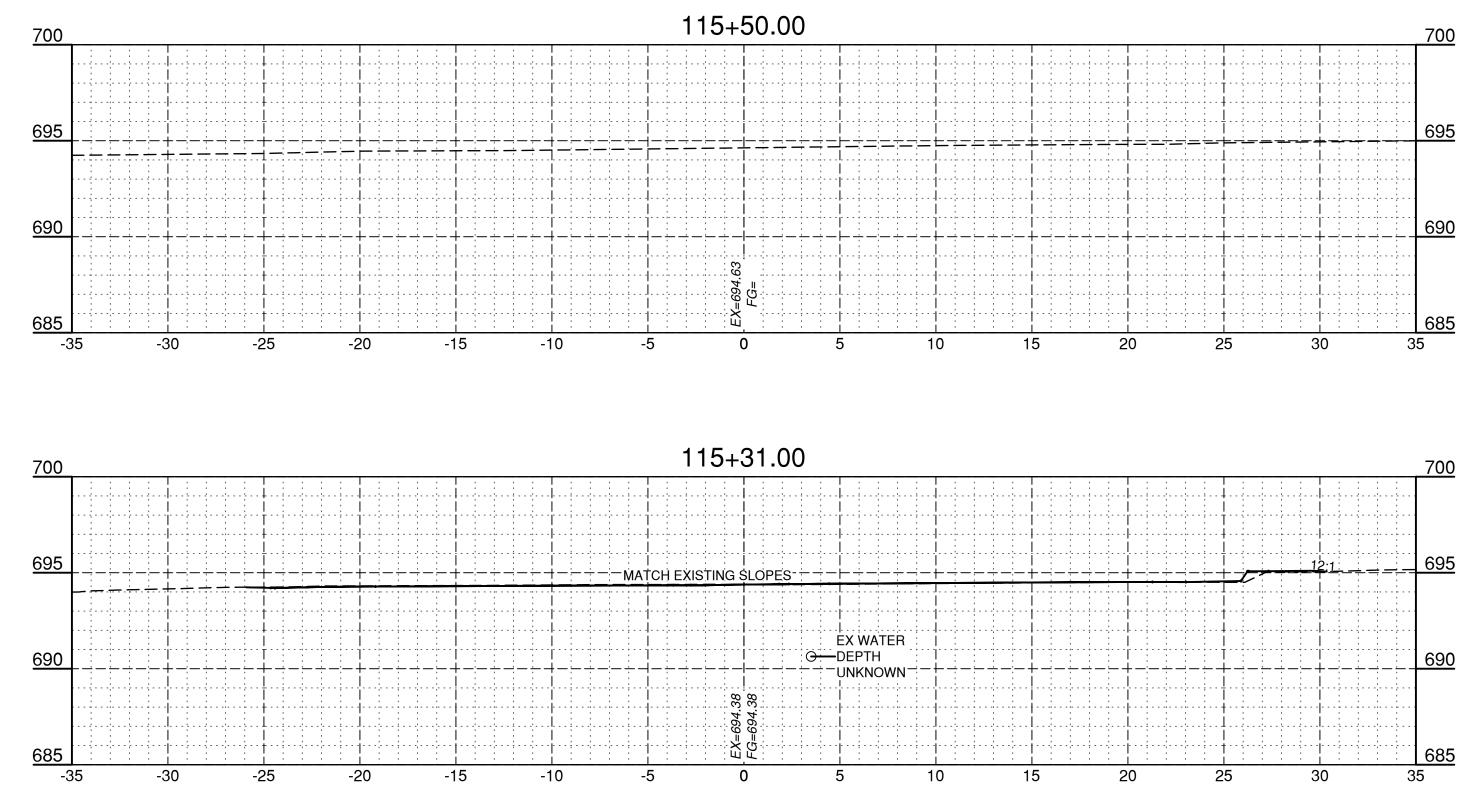












# PLANS & ESTIMATES PREPARED BY:



**Tulsa Engineering & Planning Associates** 9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146 Phone: 918-252-9621 Fax: 918-340-5999 Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2

		23-041-CBO
	Project No. TEP 22-044	WEST ROSS AVE.
), 2023	Scale: Vertical 1"= 5'	Stationing 115+31.00-115+50.00 (9  OF  9) Sheet 24 of 24
	Horizontal 1"= 5'	Sheet 24 of 24