STORM WATER MANAGEMENT PLAN

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

SITE DESCRIPTION

PROJECT LIMITS: I-240/I-35 INTERCHANGE RECONSTRUCTION - PHASE 2

PROJECT DESCRIPTION: GRADING, DRAINAGE, SURFACING AND BRIDGE PLANS

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

PRIOR TO INITIATING SOIL DISTURBING ACTIVITIES, THE CONTRACTOR WILL INSTALL ALL PERIMETER TEMPORARY SEDIMENT CONTROLS SPECIFIED. STRIP, STOCKPILE AND STABILIZE TOPSOIL. CLEAR AND GRUB ONLY IN NECESSARY AREAS, PRESERVING AS MUCH NATIVE VEGETATION AS POSSIBLE. INSTALL, MAINTAIN AND/OR MOVE TEMPORARY SEDIMENT ITEMS WITH CONSTRUCTION OPERATIONS AS PRACTICAL. IF DIRECTED BY THE ENGINEER, PLANT TEMPORARY SEEDING. REPLACE SALVAGED TOPSOIL AND DEVICES WHEN AN ACCEPTABLE VEGETATIVE COVER (AT LEAST 70%) HAS BEEN ATTAINED. AS SITE CONDITIONS WARRANT, THE CONTRACTOR MAY CHOOSE TO MODIFY THE TYPE OR ARRANGEMENT OF SPECIFIED PRACTICES TO IMPROVE THEIR EFFECTIVENESS AS APPROVED BY THE ENGINEER. THE CONTRACTOR WILL MAINTAIN A LOG OF THE DATES OF MAJOR SOIL DISTURBANCE ACTIVITIES, AND ALSO THE DATES OF INSTALLATION OF EROSION CONTROL MEASURES.

SOIL TYPE: SANDY LOAM

TOTAL AREA OF THE CONSTRUCTION SITE: 159 ACRES

ESTIMATED AREA TO BE DISTURBED: 12 ACRES

OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 0.01 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 5 ACRES

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 0.78

LATITUDE & LONGITUDE OF CENTER OF PROJECT: 35°23'30.40" N 97°29'42.2

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: UNNAMED TRIBUTARY OF LIGHTNING CREEK

SENSITIVE WATERS OR WATERSHEDS: YES ☐ NO ☒

303(d) IMPAIRED WATERS: YES ☐ NO ☒

IF YES, LIST IMPAIRMENT: N/A

LOCATED IN A TMDL: YES ☐ NO ☒

LAKE THUNDERBIRD TMDL: YES ☐ NO ☒

MS4 ENTITY YES ☒ NO ☐

IF YES, LOCATION: CITY OF OKLAHOMA CITY

NOTE:
THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE PATTERNS/PATHWAYS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- ____ TEMPORARY SEEDING
- X PERMANENT SODDING, SPRIGGING OR SEEDING
- X 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:

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

OFFSITE VEHICLE TRACKING:

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

NOTES:

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 7 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.

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

- 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
- 220 MANAGEMENT OF EROSION, SEDIMENTATION, AND STORM WATER POLLUTION PREVENTION
- 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, SEPTEMBER 13, 2017.

Preliminary Plans

DESIGN		
DRAWN		
CHECKED		
APPROVED		
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

STORM WATER MANAGEMENT PLAN

STATE JOB NO. 09032(06) SHEET NO. R001

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REVISED 10-15-2020

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

DRAINAGE STRUCTURE DESIGN RECORD

STRUCTURE NO.	STATION & LOCATION	DESCRIPTION	DESIGN	DESIGN YEAR (N)	DRAINAGE AREA (ACRES)	ANTICIPATED LAND USE	AVG. SLOPE OF WATERSHED (%)	RUNOFF COEFFICIENT (WEIGHTED) (C)	LENGTH OF OVERLAND FLOW (FT)	SLOPE OF OVERLAND (%)	LENGTH OF CHANNEL FLOW (FT)	SLOPE OF CHANNEL (%)	TIME OF CONCENTRATION (MIN.)	INTENSITY OF DESIGN YEAR "I" (RAINFALL) (IN\HR)	DESIGN YEAR DISCHARGE Q_N (CFS)	DESIGN DISCHARGE BYPASS Q_{BYPASS} (CFS)	TOTAL DISCHARGE IN CONDUIT Q_{TOTAL} (CFS)	SPREAD (FT)	DESIGN TAILWATER (ELEV)	TOP OF COVER OR GRATE	STRUCTURE FLOW LINE	OUTLET FLOW LINE	STRUCTURE SLOPE (%)	MAXIMUM ALLOWABLE HEADWATER (ELEV)	FLOW VELOCITY V_N (FT\SEC)	CONTROLLING HEADWATER (ELEV)	TYPE OF HYDRAULIC CONTROL
A14	BL RAMP A STA. 92+73.77	CONST. 24" X 156.65' LG. RCP W/ PCES EACH END	SPI-5, SPB-2, PCES-5, FHTCP-4	50	5.39	PS	1.09	0.57	21	9.90	864	0.88	10.31	6.18	24.91		24.91				1277.85	1276.11	1.11	1282.25	9.40		
	86.93' RT.																										
A15	BL RAMP A STA. 96+67.00	CONST. CDI RCP DES. 4 W/ 24" X 170.36' LG. RCP	CDIP-2, SPI-5, SPB-2, FHTCP-4	50	1.63	PS	3.92	0.53	344	5.78	235	1.20	16.11	6.90	30.83		30.83			1273.04	1269.46	1264.85	2.71		13.25		
	62.74' RT.	TO STR. A16																									
A16	BL RAMP A STA. 98+39.00	CONST. 4.0' DIA. MH W/ 24" X 16.80' LG. RCP TO STR. CD5	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													30.83			1277.02	1264.85	1264.44	2.44		12.68		
	37.50' RT.																										
A17	BL RAMP A STA. 100+50.00	CONST. SMD TYPE 2 W/ 18" X 4.64' LG. RCP TO STR. A18	SMD-4, SPI-5, SPB-2, FHTCP-4	50	1.79	PS	1.31	0.64	275	1.80	151	0.43	14.00	7.30	[illegible]		5.86			1271.20	1268.10	1268.00	2.16		8.14		
	33.38' LT.																										
A18	BL RAMP A STA. 100+50.00	CONST. 4.0' DIA. MH W/ 24" X 156.30' LG. RCP TO STR.	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													22.32			1272.68	1266.94	1265.45	0.95		8.64		
	25.50' LT.	CD5 @ STA. 98+92.00, 35.15' LT.																									
A19	BL RAMP A STA. 102+00.00	CONST. 4.0' DIA. MH W/ 24" X 147.09' LG. RCP TO STR. A18	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													16.46			1274.41	1267.68	1266.94	0.50		6.28		
	40.00' LT.																										
A20	BL RAMP A STA. 102+00.00	CONST. SMD TYPE 2 W/ 24" X 64.35' LG. RCP TO STR. A19	SMD-4, SPI-5, SPB-2, FHTCP-4	50	2.36	PS	2.66	0.61	26	[illegible]	928	2.4[illegible]	9.[illegible]	[illegible]	12.04		12.04			1271.66	1268.56	1267.68	1.37		8.23		
	27.68' RT.																										
B1	CL I-35 STA. 109+84.00	CONST. CI DES. 2(B) W/ 18" X 3.84' LG. RCP TO STR. B2	CI-2, SPI-5, SPB-2, FHTCP-4	10	0.38	PV	2.39	0.95	35	1.89	451	2.43	5.81	9.52	3.47	0.65	2.82	5.91		1276.00	1271.17	1271.07	2.60		7.10		
	65.00' LT.																										
B2	CL I-35 STA. 109+84.00	CONST. 4.0' DIA. MH W/ 18" X 113.00' LG. RCP TO STR. B4	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													2.82			1276.61	1271.07	1268.68	2.12		6.60		
	71.50' LT.																										
B3	CL I-35 STA. 108+67.00	CONST. CI DES. 3(STD) W/ 18" X 3.84' LG. RCP TO STR. B4	CI-2, SPI-5, SPB-2, FHTCP-4	10	0.24	PV	2.51	0.9[illegible]	[illegible]	2.92	111	1.97	5.82	2.15	2.79	0.83	1.96	5.28		1273.61	1268.78	1268.68	2.60		6.40		
	65.00' LT.																										
B4	CL I-35 STA. 108+67.00	CONST. 4.0' DIA. MH W/ 18" X 112.37' LG. RCP TO STR. B5	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													4.78			1274.19	1268.68	1268.00	0.61		4.82		
	71.50' LT.																										
B5	CL I-35 STA. 107+50.00	CONST. CI DES. 2(STD) W/ LARGE JUNCT. BOX W/	CI-2, MJB-4, MFC-5, SPI-5, SPB-2,	10	0.20	PV	[illegible]	[illegible]	85	2.63	109	1.19	5.27	9.73	2.65	0.83	8.90	7.34		1272.17	1268.00	1267.58	0.36		4.90		
	65.00' LT.	18" X 115.85' LG. RCP TO STR. B7	FHTCP-4																								
B6	CL I-35 STA. 107+49.44	CONST. 18" X 8.26' LG. RCP FROM EXIST. MH TO STR. B5	SPI-5, SPB-2, FHTCP-4	10													2.30				1270.33	1269.50	10.04		10.81		
	80.85' LT.																										
B7	CL I-35 STA. 106+28.75	CONST. CI DES. 3(B) W/ 30" X 8.05' LG. RCP TO EXIST. RCP	CI-2, SPI-5, SPB-2, FHTCP-4	50	0.38	PV	0.86	0.95	56	1.63	132	0.54	5.66	9.58	4.64		27.87	5.02		1271.61	1266.58	1266.55	0.37		6.26		
	65.00' LT.																										
B8	CL I-35 STA. 105+00.00	CONST. CI DES. 2(STD) W/ LARGE JUNCT. BOX W/	CI-2, MJB-4, MFC-5, SPI-5, SPB-2,	[illegible]	[illegible]14	PV	0.75	0.90	66	2.65	304	0.34	8.08	8.77	1.63	0.36	14.33	5.59		1272.04	1268.07	1267.58	0.40		5.60		
	65.00' LT.	28" X 18" X 123.43' LG. RCPA TO STR. B7	FHTCP-4																								
B9	CL I-35 STA. 104+15.00	CONST. CI DES. 2(STD) W/ LARGE JUNCT. BOX W/	CI-2, MJB-4, MFC-5, SPI-5, SPB-2,	10	0.18	PV	2.39	0.90	75	3.11	105	1.89	5.00	9.83	2.06	0.53	13.04	5.32		1273.13	1268.42	1268.07	0.44		5.80		
	65.00' LT.	28" X 18" X 79.56' LG. RCPA TO STR. B8	FHTCP-4																								
B10	CL I-35 STA. 104+13.57	CONST. 18" X 15.77' LG. RCP FROM EXIST. MH TO STR. B9	SPI-5, SPB-2, FHTCP-4	10													2.00				1268.64	1268.42	1.39		5.34		
	88.06' LT.																										
B11	CL I-35 STA. 103+00.50	CONST. CI DES. 3(STD) W/ LARGE JUNCT. BOX W/	CI-2, MJB-4, MFC-5, SPI-5, SPB-2,	10	0.17	PV	2.91	0.88	80	3.83	105	2.21	5.00	9.83	2.88	0.43	9.43	5.84		1275.33	1270.50	1268.42	1.91		8.74		
	65.00' LT.	18" X 109.13' LG. RCP TO STR. B9	FHTCP-4																								
B12	BL RAMP B STA. 395+20.00	CONST. CI DES. 3(STD) W/ 18" X 104.32' LG. RCP	CI-2, SPI-5, SPB-2, FHTCP-4	10	0.97	PV	1.89	0.89	94	2.59	470	1.75	7.56	8.93	8.36	1.42	6.98	7.97		1277.87	1273.04	1270.50	2.43		8.89		
	10.00' RT.	TO STR. B11																									
B13	BL RAMP B STA. 403+30.00	CONST. CI DES. 3(STD) W/ 18" X [illegible]96' LG. RC[illegible]	[illegible]I-5, SPB-2, FHTCP-4	10	0.64	PV	1.03	0.94	93	2.56	325	0.60	7.84	6.71	4.00	0.50	3.51	7.71		1284.25	1279.42	1278.89	0.58		4.38		
	10.00' RT.	TO STR. B15																									
B14	BL RAMP B STA. 404+30.00	CONST. CI DES. 3(STD) W/ 18" X 3.[illegible] LG. [illegible]P TO STR. [illegible]15	CI-2, SPI-5, SPB-2, FHTCP-4	50	0.26	PV	1.64	0.95	39	5.31	147	0.67	5.00	2.39	3.33		3.33	5.08		1283.82	1278.99	1278.89	2.60		7.45		
	10.00' RT.																										
B15	BL RAMP B STA. 404+30.00	CONST. 4.0' DIA. MH W/ 18" X 55.30' L[illegible] [illegible]RCP TO STR. B16	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													6.84			1284.25	1278.89	1278.61	0.51		4.81		
	16.50' RT.																										
B16	BL RAMP B STA. 404+90.00	CONST. 4.0' DIA. MH W/ 18" X 26.20' LG. R[illegible]P TO EXIST. MH	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													9.41			1284.40	1275.22	1274.90	1.22		7.31		
	16.50' RT.																										
B17	BL RAMP B STA. 405+85.00	CONST. CI DES. 2(B) W/ 18" X 3.84' LG. RCP TO STR. B18	CI-2, SPI-5, SPB-2, FHTCP-4	10	0.44	PV	3.34	0.95	107	5.35	306	2.66	5.73	3.01	3.01	0.44	2.57	6.23		1284.89	1280.06	1279.96	2.60		6.92		
	10.00' RT.																										
B18	BL RAMP B STA. 405+85.00	CONST. 4.0' DIA. MH W/ 18" X 89.89' LG. RCP TO STR. B16	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													2.57			1285.32	1279.96	1278.61	1.50		5.68		
	16.50' RT.																										
B19	BL RAMP B STA. 430+04.00	CONST. ILB TYPE 2 DES 1 W/ 18" X 62.06' LG. RCP	CLB-2, SPI-5, SPB-2, FHTCP-4	10	0.29	PV	3.95	0.95	34	6.97	389	3.68	5.00	7.46	2.03	0.26	1.77	3.44		1291.92	1287.26	1285.76	2.42		6.05		
	4.00' LT.	W/ PCES TO OUTLET																									
B25	BL RAMP B STA. 395+20.00	CONST. 4.0' DIA. MH W/ 18" X 12.34' LG. RCP TO STR. B12	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													0.68			1286.35	1274.55	1273.04	12.24		8.06		
	25.00' RT.																										
B26	BL RAMP B STA. 396+36.00	CONST. SMD TYPE 2 W/ 18" X 112.74' LG. RCP TO STR. B25	SMD-4, SPI-5, SPB-2, FHTCP-4	50	0.13	PS/CM	1.93	0.58	32	4.28	176	1.51	6.62	9.24	0.68		0.68			1282.59	1280.03	1279.13	0.80		3.27		
	21.00' RT.																										

Preliminary Plans

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DESIGN	-	-
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SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

DRAINAGE STRUCTURE DESIGN RECORD (SHEET 1 OF 2)

STATE JOB NO. 09032(06) SHEET NO. R002

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

DRAINAGE STRUCTURE DESIGN RECORD

STRUCTURE NO.	STATION & LOCATION	DESCRIPTION	DESIGN	DESIGN YEAR (N)	DRAINAGE AREA (ACRES)	ANTICIPATED LAND USE	AVG. SLOPE OF WATERSHED (%)	RUNOFF COEFFICIENT (WEIGHTED) (C)	LENGTH OF OVERLAND FLOW (FT)	SLOPE OF OVERLAND (%)	LENGTH OF CHANNEL FLOW (FT)	SLOPE OF CHANNEL (%)	TIME OF CONCENTRATION (MIN.)	INTENSITY OF DESIGN YEAR "I" (RAINFALL) (IN\HR)	DESIGN YEAR DISCHARGE Q_N (CFS)	DESIGN DISCHARGE BYPASS Q_{BYPASS} (CFS)	TOTAL DISCHARGE IN CONDUIT Q_{TOTAL} (CFS)	SPREAD (FT)	DESIGN TAILWATER (ELEV)	TOP OF COVER OR GRATE	STRUCTURE FLOW LINE	OUTLET FLOW LINE	STRUCTURE SLOPE (%)	MAXIMUM ALLOWABLE HEADWATER (ELEV)	FLOW VELOCITY V_N (FT\SEC)	CONTROLLING HEADWATER (ELEV)	TYPE OF HYDRAULIC CONTROL
NW32	CL NWSR STA. 102+77.00	CONST. CI DES. 2(STD) W/ 18" X 3.84' LG. RCP	CI-2, SPI-5, SPB-2, FHTCP-4	10	0.11	PV	1.45	0.89	16	5.63	234	1.17	5.00	7.46	0.71	0.08	0.63	3.21		1286.86	1282.11	1282.01	2.60		4.58		
	13.00' RT.	TO STR. NW33																									
NW33	CL NWSR STA. 102+77.00	CONST. 4.0' DIA. MH W/ 18" X 133.29' LG. RCP TO STR. NW34	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													0.63			1287.52	1280.51	1277.84	2.00		4.17		
	19.50' RT.																										
NW34	CL NWSR STA. 104+14.00	CONST. 4.0' DIA. MH W/ 18" X 15.73' LG. RCP TO	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													0.63			1288.39	1277.84	1277.53	1.97		4.17		
	19.50' RT.	EXISTING MH																									
J1	BL RAMP J STA. 88+83.00	CONST. 9.0' X 6.0' JUNCT. BOX W/ 58" X 36" X 282.58' LG.	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													62.00			1289.22	1281.90	1281.30	0.21		6.39		
	46.37' RT.	RCPA W/ PCES TO OUTLET																									
J2	BL RAMP J STA. 92+02.00	CONST. CI DES. 3(STD) W/ 18" X 270.25' LG. RCP	CI-2, SPI-5, SPB-2, FHTCP-4	10	0.37	PV	5.27	0.95	41	12.37	390	4.52	5.00	7.46	2.59	0.37	2.09	7.44		1290.55	1285.77	1281.27	1.67		5.57		
	15.00' RT.	TO STR. J3																									
J3	BL RAMP J STA. 94+83.00	CONST. CI DES. 3(STD) W/ 18" X 23.08' LG. RCP TO STR. T1	CI-2, SPI-5, SPB-2, FHTCP-4	50	0.20	PV	1.86	0.95	26	4.73	374	1.18	5.00	9.33	2.25		4.20	5.60		1285.99	1281.27	1281.15	0.52		4.40		
	15.00' RT.																										
T1	BL RAMP J STA. 94+83.00	CONST 4.0' DIA. MH W/ 18" X 277.61' LG. RCP TO STR. T3	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													6.82			1286.23	1281.15	1278.72	0.88		6.02		
	11.50' LT.																										
T2	BL RAMP J STA. 95+20.26	CONST. 18" X 35.83' LG. RCP TO STR. T1	SPI-5, SPB-2, FHTCP-4	10													2.62				1283.29	1281.15	5.97		9.25		
	18.63' LT.																										
T3	BL RAMP J STA. 92+02.00	CONST 4.0' DIA. MH W/ 18" X 32.56' LG. RCP TO EXIST. MH	MJB-4, MFC-5, SPI-5, SPB-2, FHTCP-4	10													6.82			1284.06	1278.72	1278.52	0.61		5.19		
	30.00' LT.																										

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

DRAINAGE STRUCTURE DESIGN RECORD (SHEET 2 OF 2)

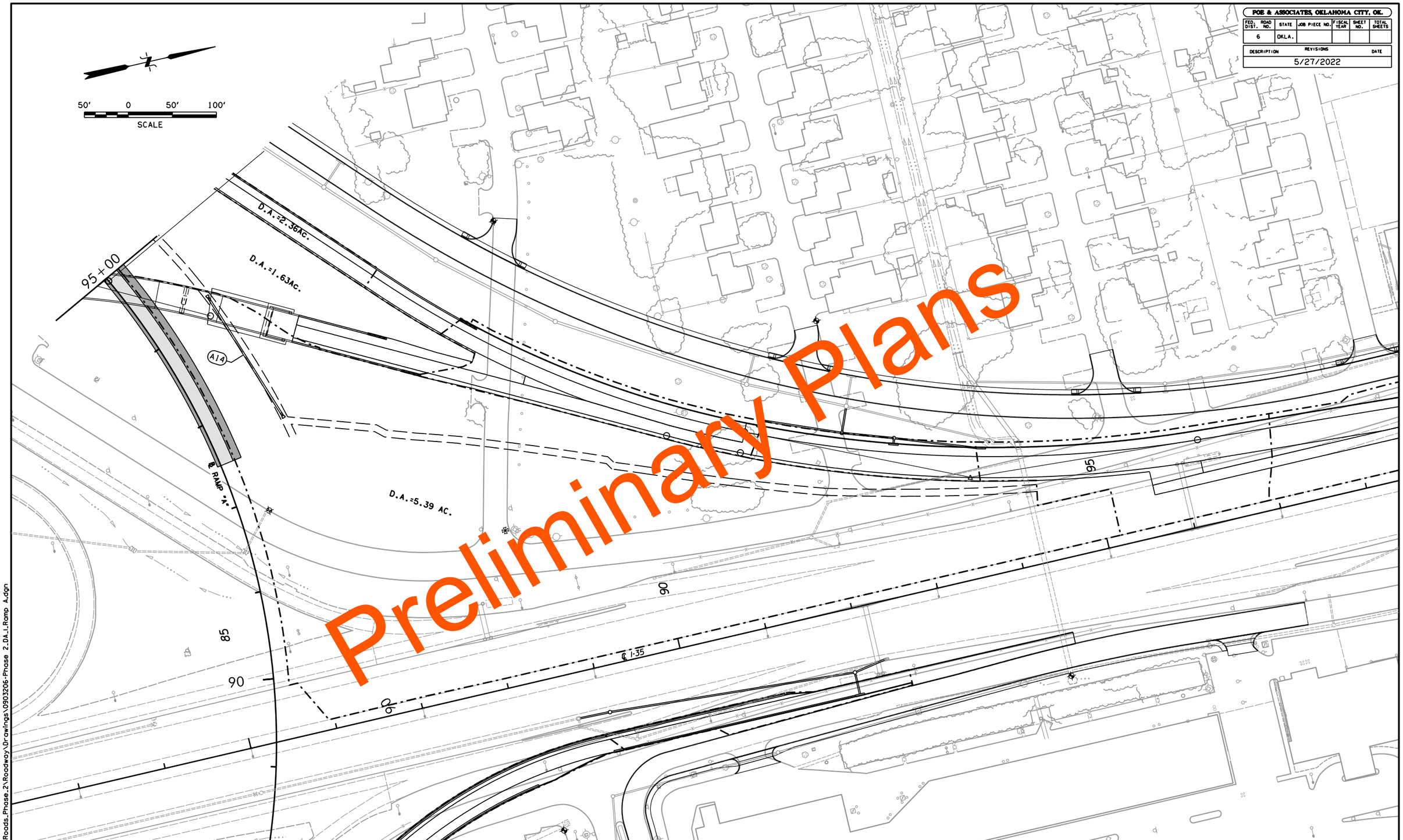
STATE JOB NO. 09032(06) SHEET NO. R003

5/27/2022 9:49:4 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Roadway\Drawings\0903206-Phase 2_DDR_2.dgn

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



DRAINAGE STRUCTURE LEGEND:

PROPOSED DRAINAGE STRUCTURES PREV. PHASE:

PROPOSED DRAINAGE STRUCTURES THIS PHASE:

PROPOSED DRAINAGE STRUCTURE CALLOUTS PREV. PHASE: (XXX*)

PROPOSED DRAINAGE STRUCTURE CALLOUTS THIS PHASE: (XXX)

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

DRAINAGE AREA MAP
(RAMP 'A')
(SHEET 1 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R004

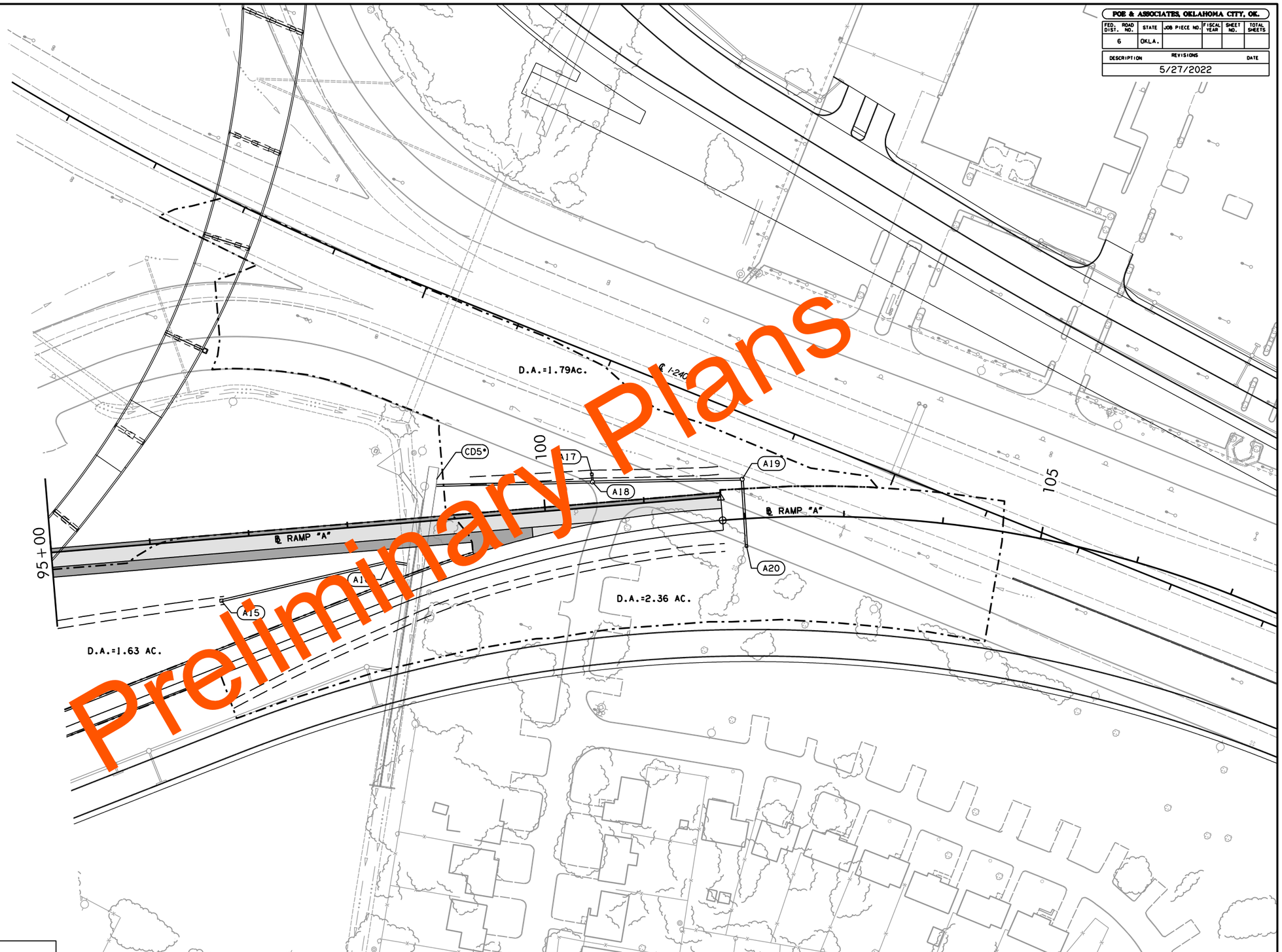
5/27/2022 9:49:45 AM
H:\PROJECTS\2789.CrossRoads.Phase.2\Roadway\Drawings\0903206-Phase 2.DA.1.Ramp A.dgn

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS

DESCRIPTION	DATE
	5/27/2022



N

50' 0 50' 100'
SCALE

DRAINAGE STRUCTURE LEGEND:

PROPOSED DRAINAGE STRUCTURES PREV. PHASE:
PROPOSED DRAINAGE STRUCTURES THIS PHASE:

PROPOSED DRAINAGE STRUCTURE CALLOUTS PREV. PHASE: (XXX*)

PROPOSED DRAINAGE STRUCTURE CALLOUTS THIS PHASE: (XXX)

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

DRAINAGE AREA MAP
(RAMP 'A')
(SHEET 2 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R005

5/27/2022 9:50:11 AM
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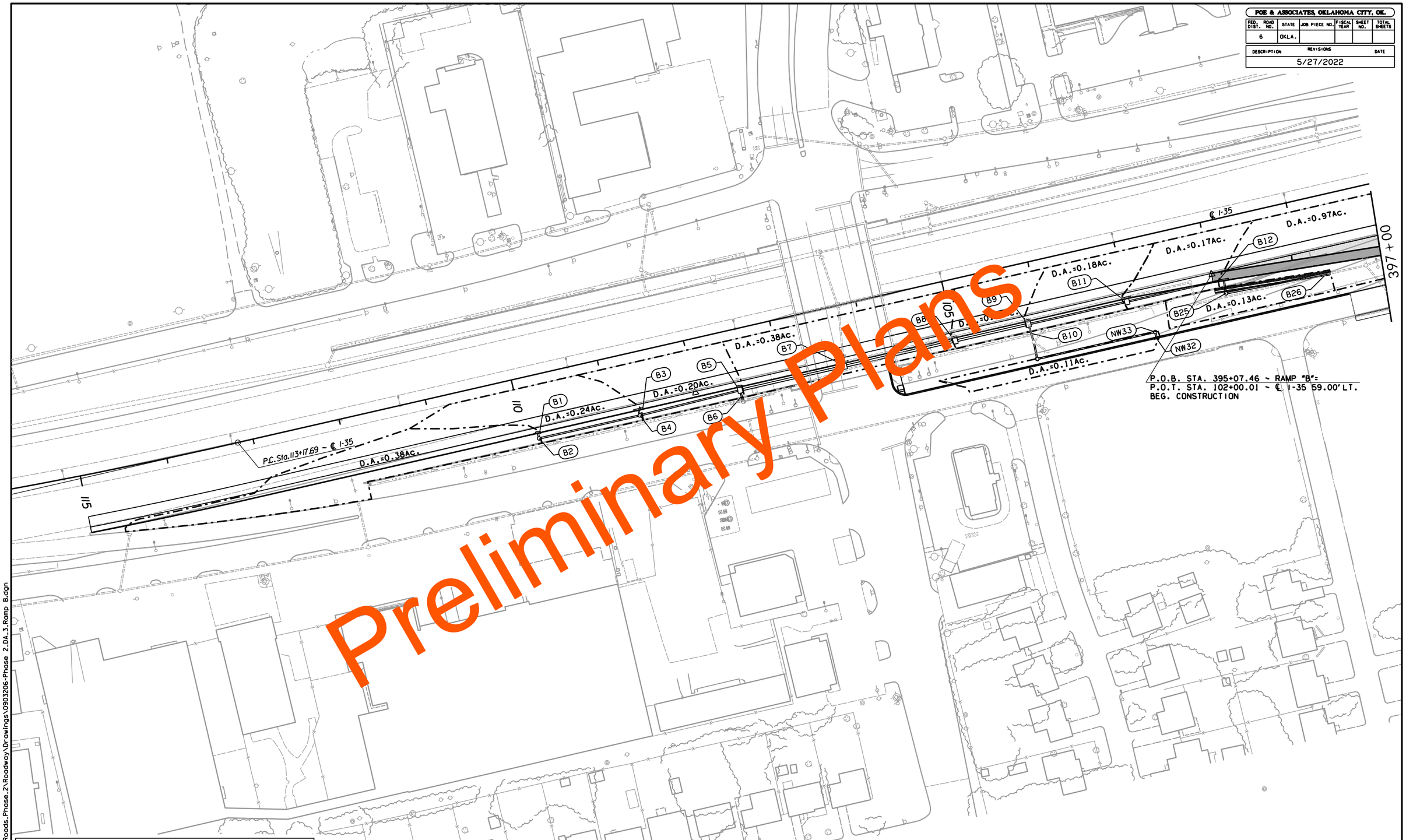
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



DRAINAGE STRUCTURE LEGEND:

PROPOSED DRAINAGE STRUCTURES PREV. PHASE:

PROPOSED DRAINAGE STRUCTURES THIS PHASE:

PROPOSED DRAINAGE STRUCTURE CALLOUTS PREV. PHASE: (XXX*)

PROPOSED DRAINAGE STRUCTURE CALLOUTS THIS PHASE: (XXX)

50' 0 50' 100'
SCALE

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

DRAINAGE AREA MAP
(RAMP 'B')
(SHEET 3 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R006

5/27/2022 9:50:37 AM
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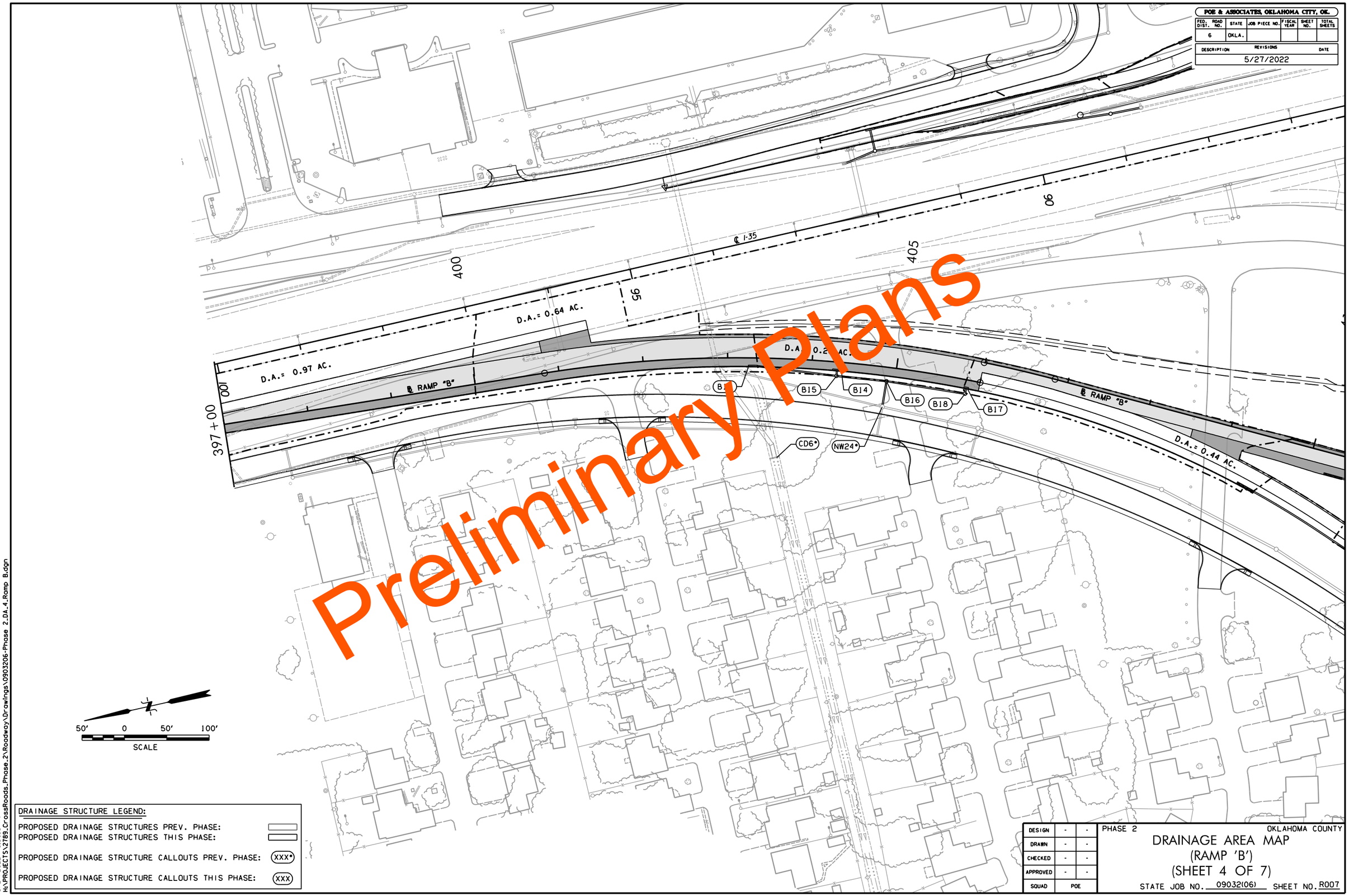
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



DRAINAGE STRUCTURE LEGEND:

PROPOSED DRAINAGE STRUCTURES PREV. PHASE:

PROPOSED DRAINAGE STRUCTURES THIS PHASE:

PROPOSED DRAINAGE STRUCTURE CALLOUTS PREV. PHASE: (XXX*)

PROPOSED DRAINAGE STRUCTURE CALLOUTS THIS PHASE: (XXX)

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

DRAINAGE AREA MAP
(RAMP 'B')
(SHEET 4 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R007

5/27/2022 9:51:03 AM
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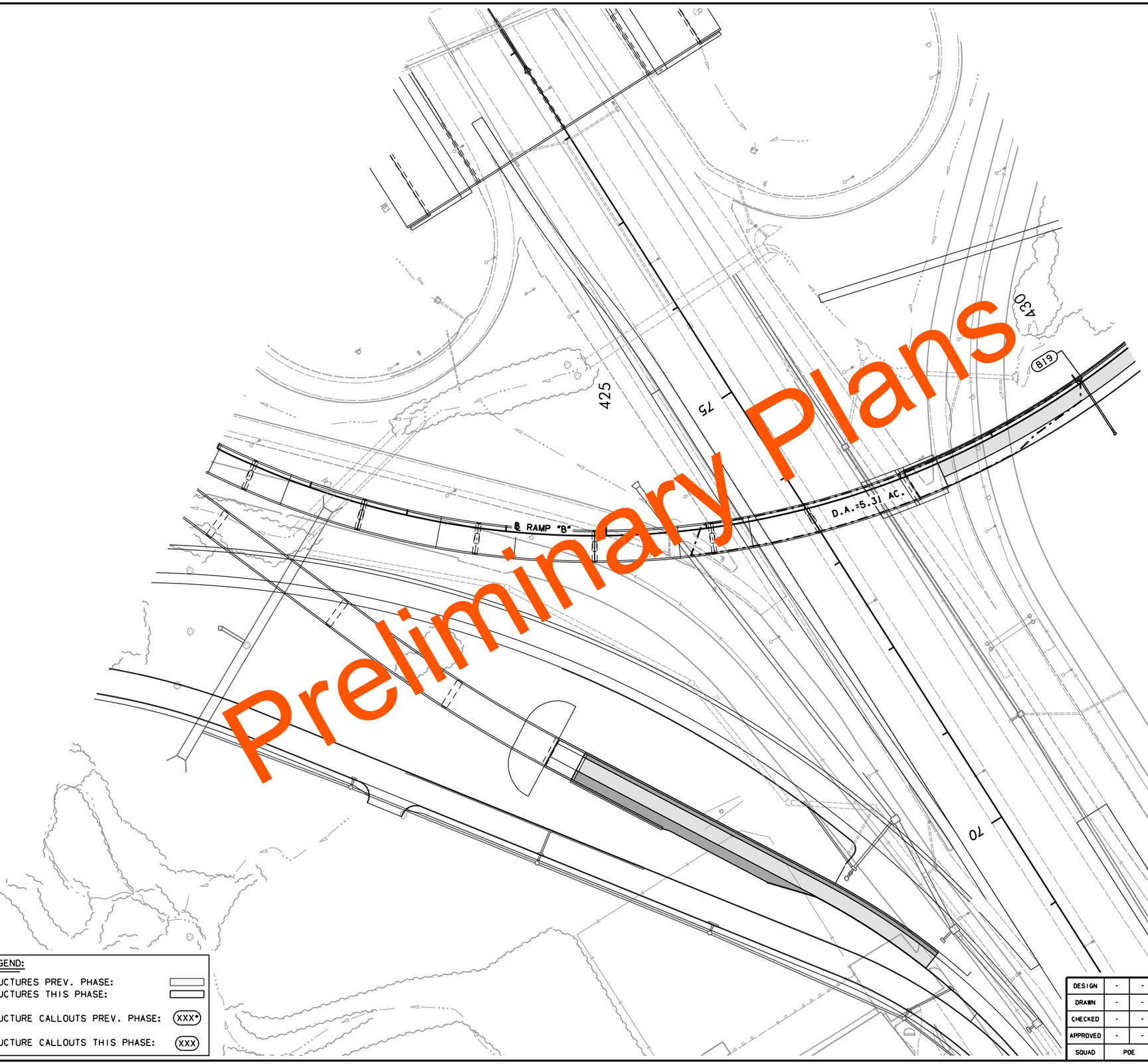
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	



Preliminary Plans

50' 0 50' 100'
SCALE

DRAINAGE STRUCTURE LEGEND:

PROPOSED DRAINAGE STRUCTURES PREV. PHASE:
PROPOSED DRAINAGE STRUCTURES THIS PHASE:

PROPOSED DRAINAGE STRUCTURE CALLOUTS PREV. PHASE: XXX*

PROPOSED DRAINAGE STRUCTURE CALLOUTS THIS PHASE: XXX

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

DRAINAGE AREA MAP
(RAMP 'B')
(SHEET 5 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R008

5/27/2022 9:51:30 AM
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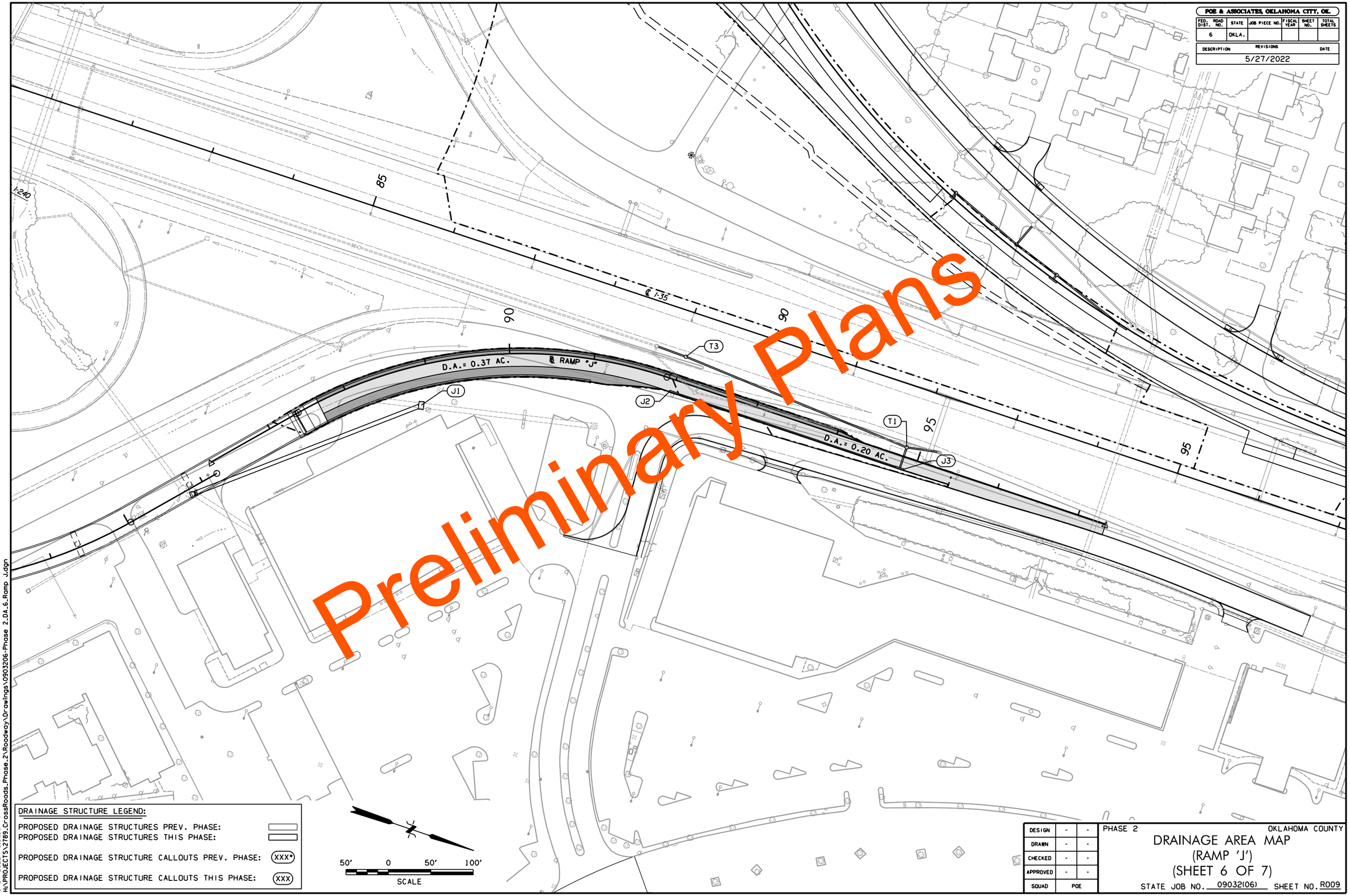
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



DRAINAGE STRUCTURE LEGEND:

PROPOSED DRAINAGE STRUCTURES PREV. PHASE:

PROPOSED DRAINAGE STRUCTURES THIS PHASE:

PROPOSED DRAINAGE STRUCTURE CALLOUTS PREV. PHASE: XXX*

PROPOSED DRAINAGE STRUCTURE CALLOUTS THIS PHASE: XXX

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

DRAINAGE AREA MAP
(RAMP 'J')
(SHEET 6 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R009

5/27/2022 9:5:56 AM
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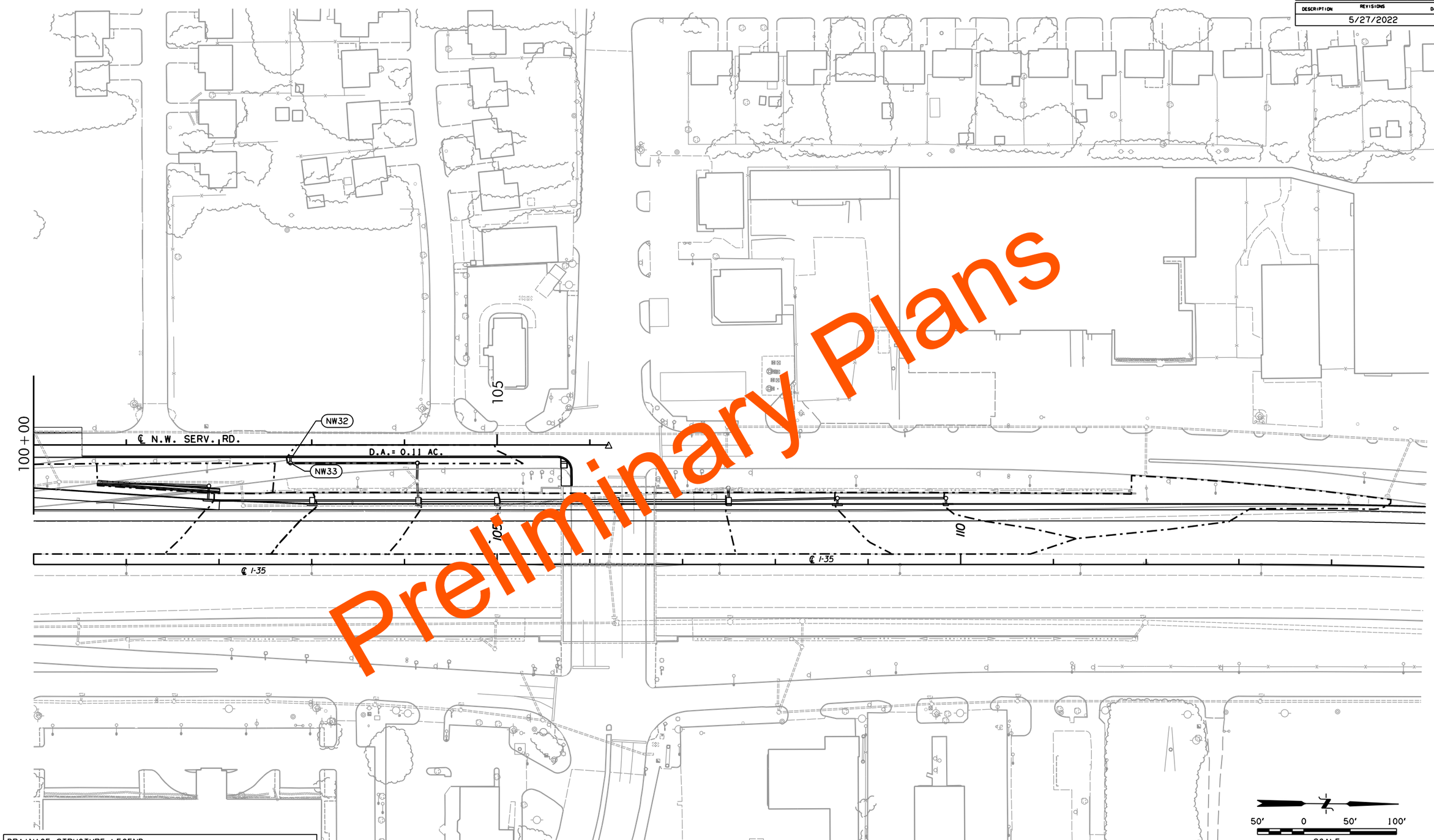
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



DRAINAGE STRUCTURE LEGEND:

PROPOSED DRAINAGE STRUCTURES PREV. PHASE:

PROPOSED DRAINAGE STRUCTURES THIS PHASE:

PROPOSED DRAINAGE STRUCTURE CALLOUTS PREV. PHASE: (XXX*)

PROPOSED DRAINAGE STRUCTURE CALLOUTS THIS PHASE: (XXX)

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

DRAINAGE AREA MAP
(N.W. SERV. RD)
(SHEET 7 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R010

5/27/2022 9:52:21 AM
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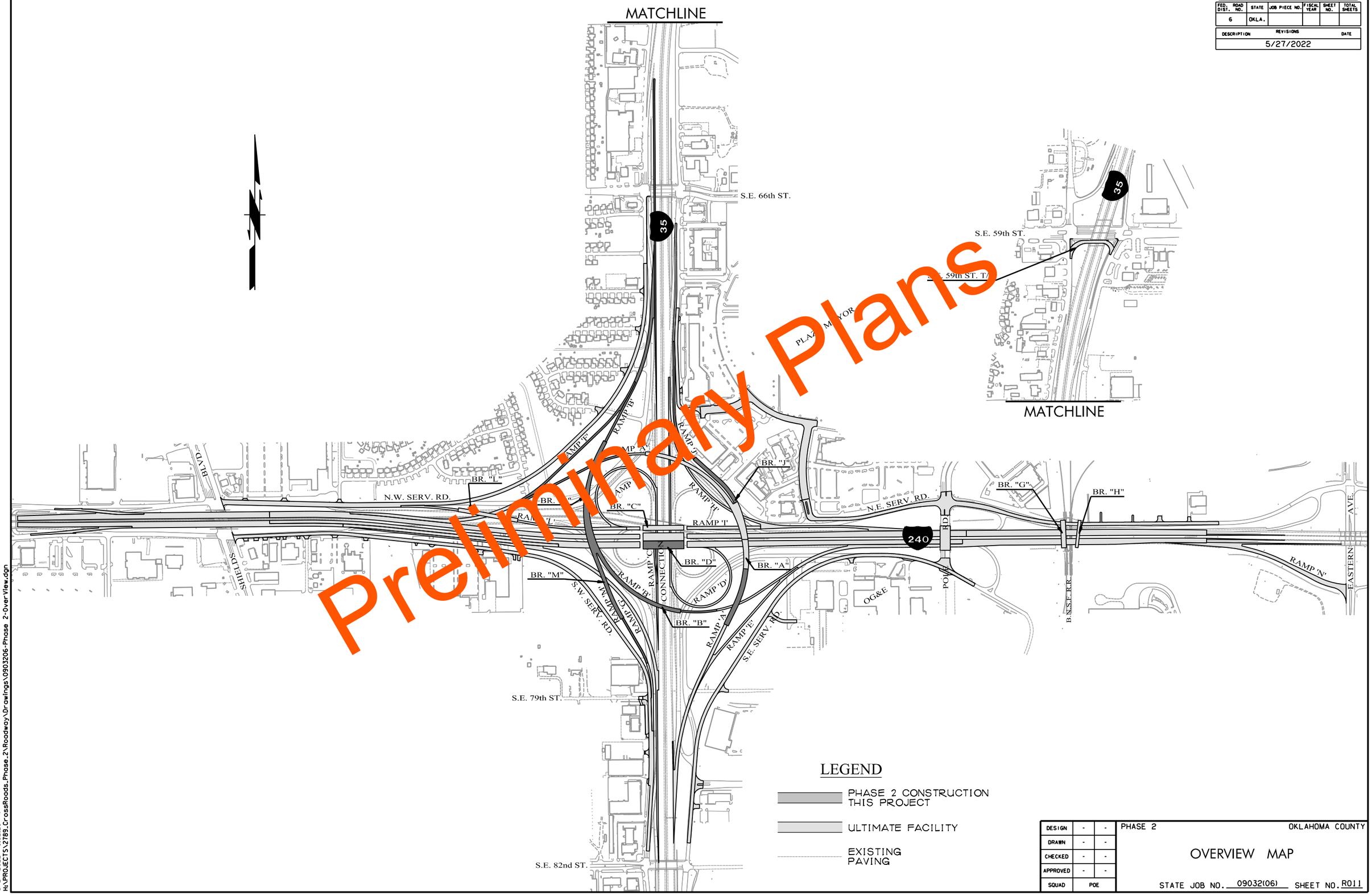
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

OVERVIEW MAP

STATE JOB NO. 09032(06) SHEET NO. R011

5/27/2022 9:52:28 AM
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GENERAL SEQUENCE OF CONSTRUCTION

Phase 1

CLOSE SOUTH BOUND ENTRANCE RAMP FROM 66TH ST. CONSTRUCT CURB ON NW SERVICE RD. AND REMOVE EXISTING RAMP. CONSTRUCT BRIDGE SEAT AT THE BEGINNING OF BRIDGE 'B'. CONSTRUCT PIERS 1 THRU 3 AND PIERS 6 THRU 13 FOR BRIDE 'B'. CONSTRUCT BRIDGE SEATS AND PIER 1 OF SOUTH HALF OF BRIDGE 'D' UTILIZING SHEETING AND SHORING AS NECESSARY. CONSTRUCT BRIDGE 'B' FROM BEGINNING TO PIER 3 AND FROM PIER 6 THRU PIER 13. FALSE WORK SHALL BE USED WHERE DEEMED NECCESSARY BY THE ENGINEER. CONSTRUCT BRIDGE 'J' FROM STA. 82+84.90 TO END OF BRIDGE INCLIDING APPROACH SLAB. CONSTRUCT RMP 'J' FROM STA. 87+64.90 TO STA. 97+34.20. CONSTRUCT RAMP 'F' FROM BEGINNING TO END. CONSTRUCT BRIDGE 'M' FROM BEGINNING TO END. CONSTRUCT RAMP 'M' FROM STA. 425+97.34 TO STA. 430+00.00. CONSTRUCT RAMP'B' FROM BEGINNING TO STA. 411+33.76. CONSTRUCT BRIDGE 'A' FROM BEGINNING TO STA. 77+47.51 . CONSTRUCT THE PIER 14 FOR BIRDGE 'B' AND PIER 2 OF SOUTH HALF OF BRIDGE'D'.

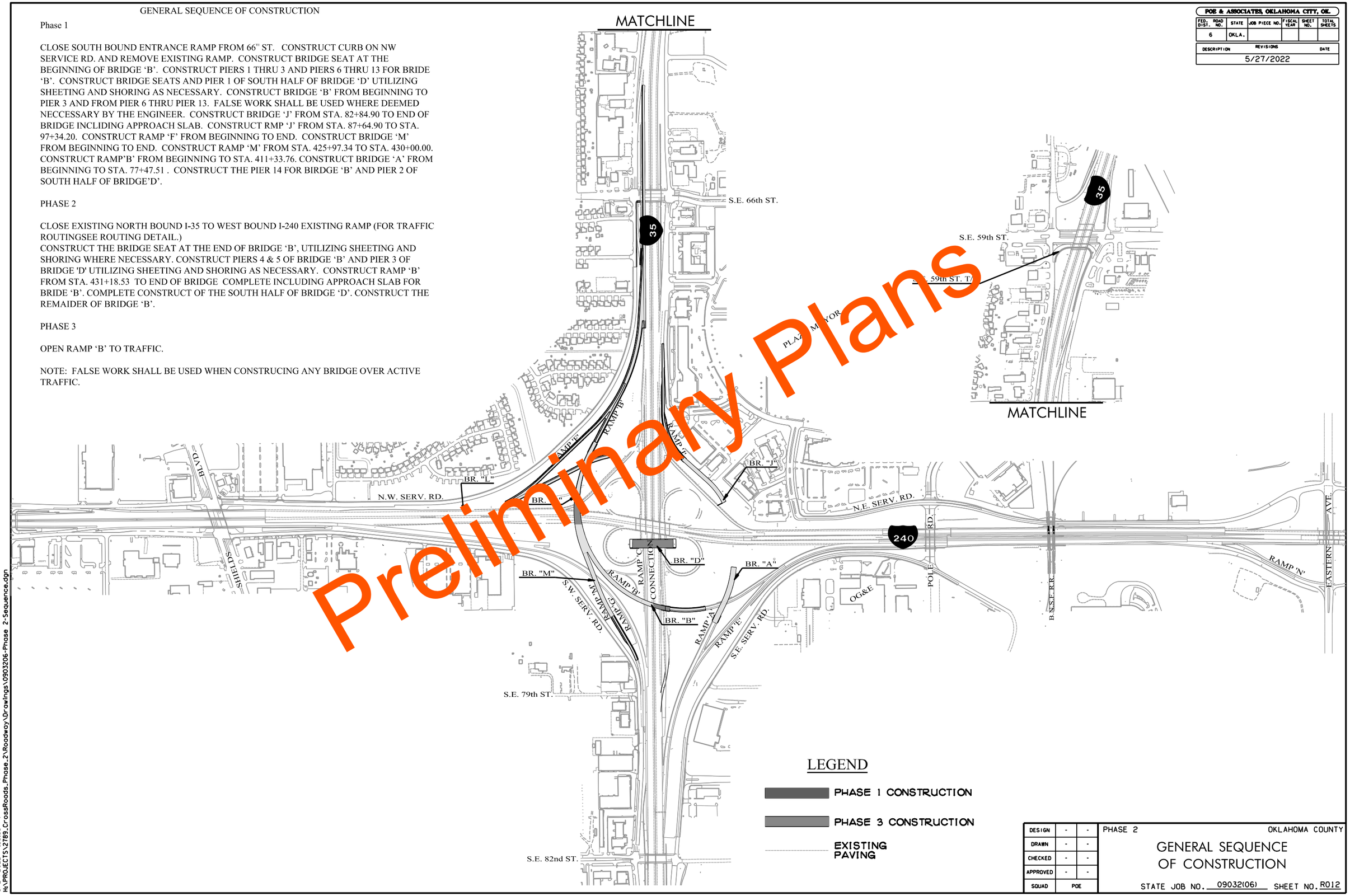
PHASE 2

CLOSE EXISTING NORTH BOUND I-35 TO WEST BOUND I-240 EXISTING RAMP (FOR TRAFFIC ROUTINGSEE ROUTING DETAIL.)
CONSTRUCT THE BRIDGE SEAT AT THE END OF BRIDGE 'B', UTILIZING SHEETING AND SHORING WHERE NECESSARY. CONSTRUCT PIERS 4 & 5 OF BRIDGE 'B' AND PIER 3 OF BRIDGE 'D' UTILIZING SHEETING AND SHORING AS NECESSARY. CONSTRUCT RAMP 'B' FROM STA. 431+18.53 TO END OF BRIDGE COMPLETE INCLUDING APPROACH SLAB FOR BRIDE 'B'. COMPLETE CONSTRUCT OF THE SOUTH HALF OF BRIDGE 'D'. CONSTRUCT THE REMAIDER OF BRIDGE 'B'.

PHASE 3

OPEN RAMP 'B' TO TRAFFIC.

NOTE: FALSE WORK SHALL BE USED WHEN CONSTRUCING ANY BRIDGE OVER ACTIVE TRAFFIC.



Preliminary Plans

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GENERAL SEQUENCE OF CONSTRUCTION

STATE JOB NO. 09032(06) SHEET NO. R012

5/27/2022 1:53:55 PM
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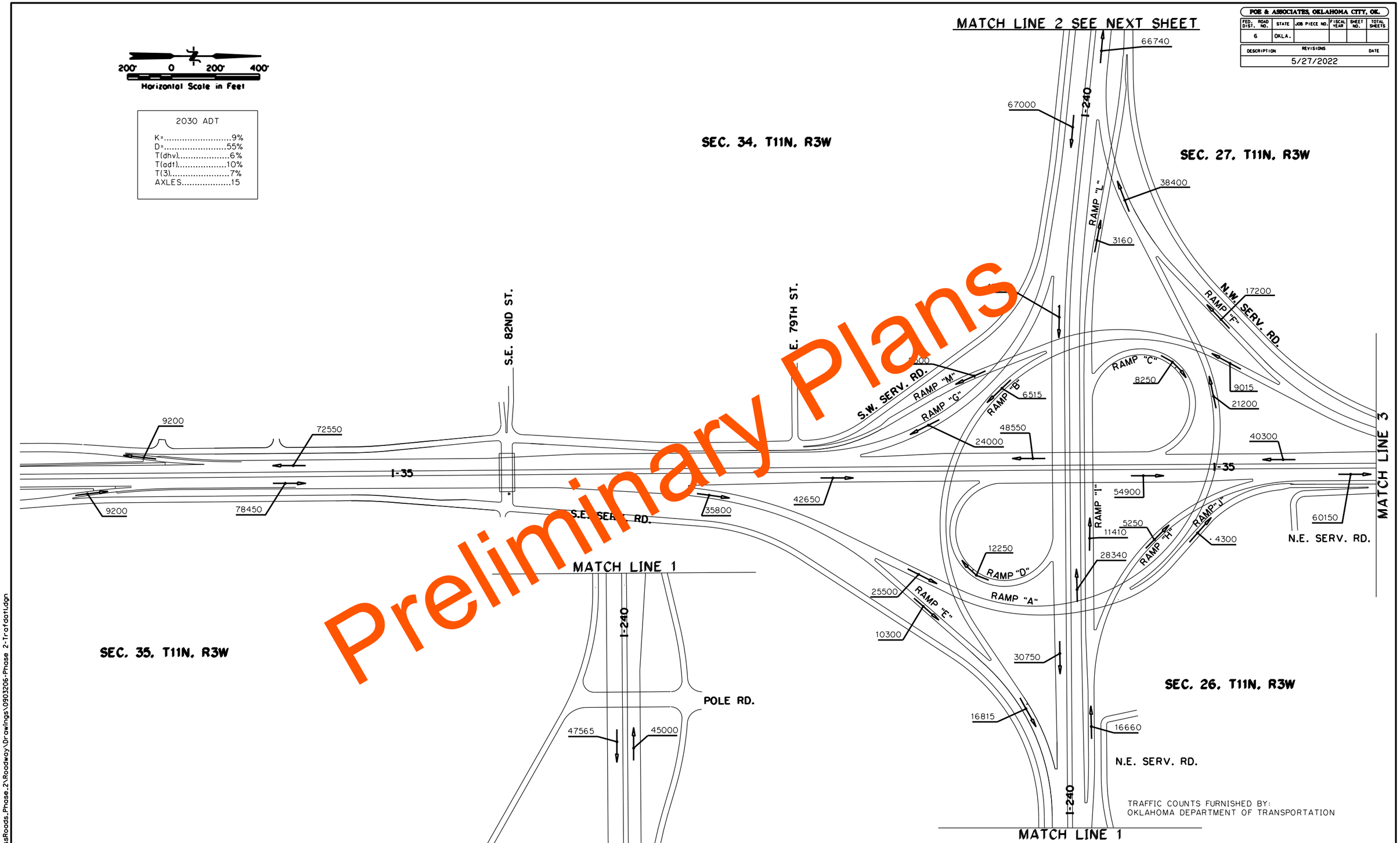
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

200' 0 200' 400'
Horizontal Scale in Feet

2030 ADT

K=.....9%
D=.....55%
T(dhv).....6%
T(adt).....10%
T(3).....7%
AXLES.....15



Preliminary Plans

TRAFFIC COUNTS FURNISHED BY:
OKLAHOMA DEPARTMENT OF TRANSPORTATION

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

ULTIMATE FACILITY
TRAFFIC DATA
(SHEET 1 OF 2)

STATE JOB NO. 09032(06) SHEET NO. R013

9:53:10 AM
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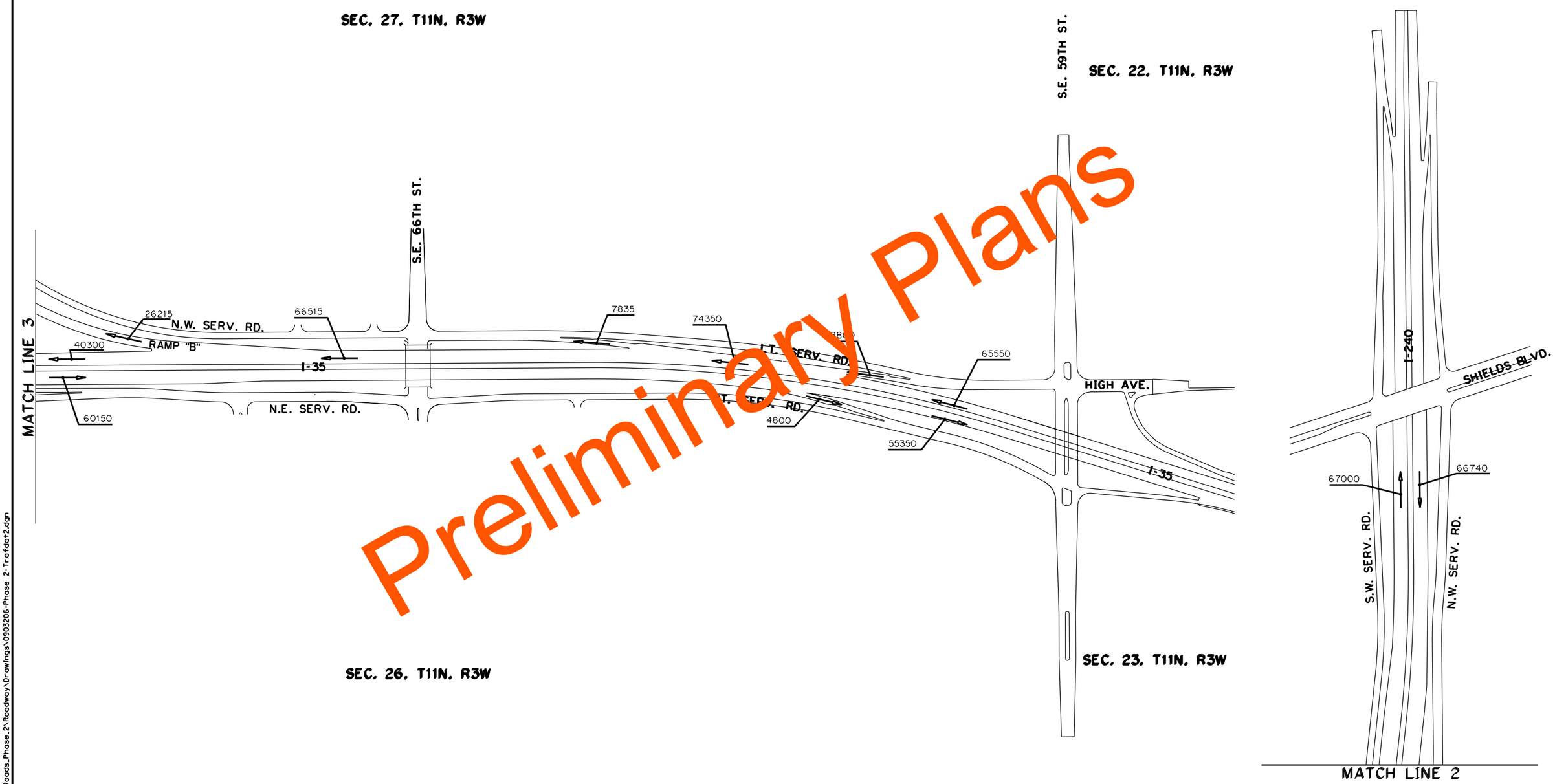
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	



Preliminary Plans

TRAFFIC COUNTS FURNISHED BY:
OKLAHOMA DEPARTMENT OF TRANSPORTATION

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

ULTIMATE FACILITY
TRAFFIC DATA
(SHEET 2 OF 2)

STATE JOB NO. 09032(06) SHEET NO. R014

9:53:12 AM
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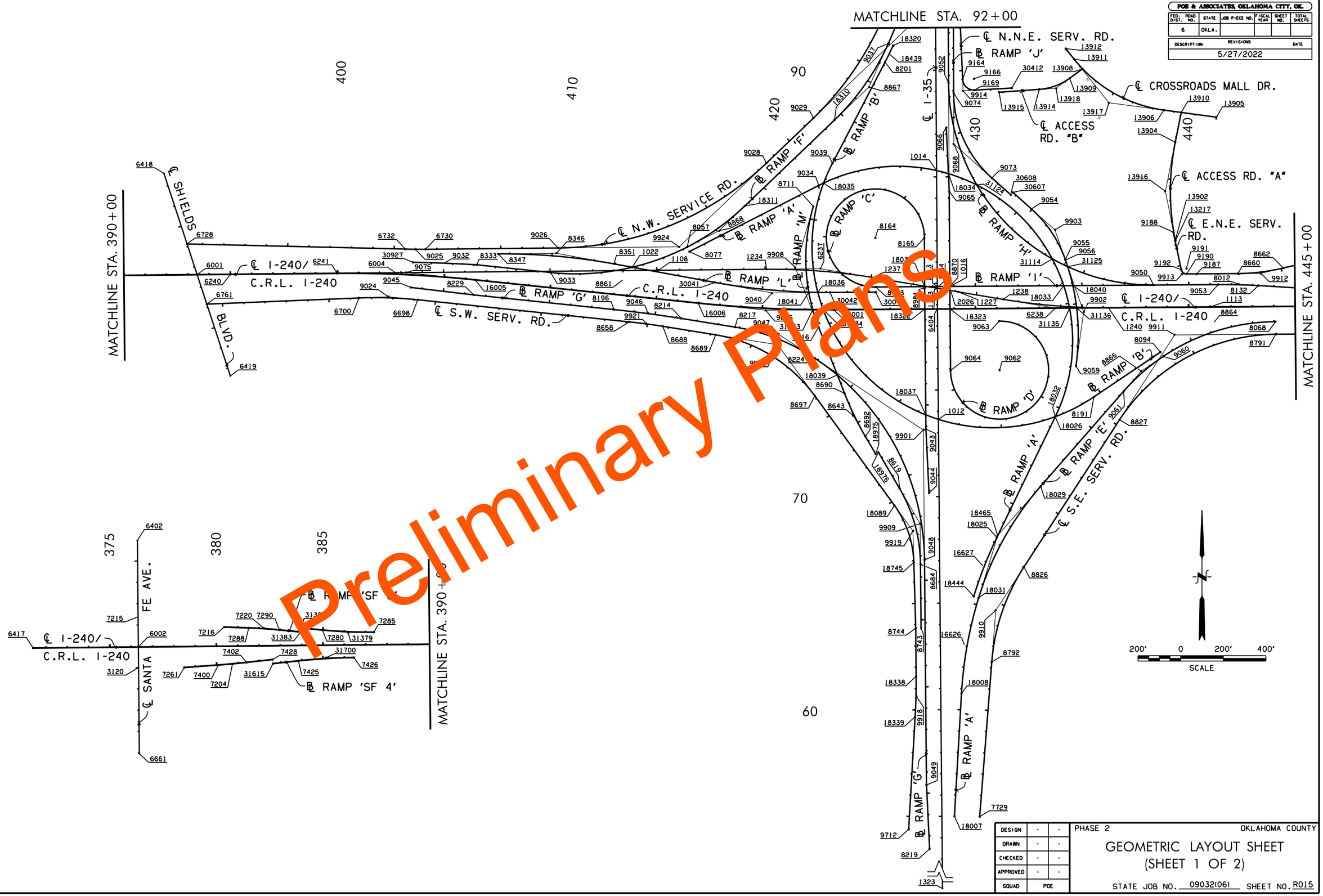
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC LAYOUT SHEET
(SHEET 1 OF 2)

STATE JOB NO. 09032(06) SHEET NO. R015

5/27/2022 9:53:17 AM
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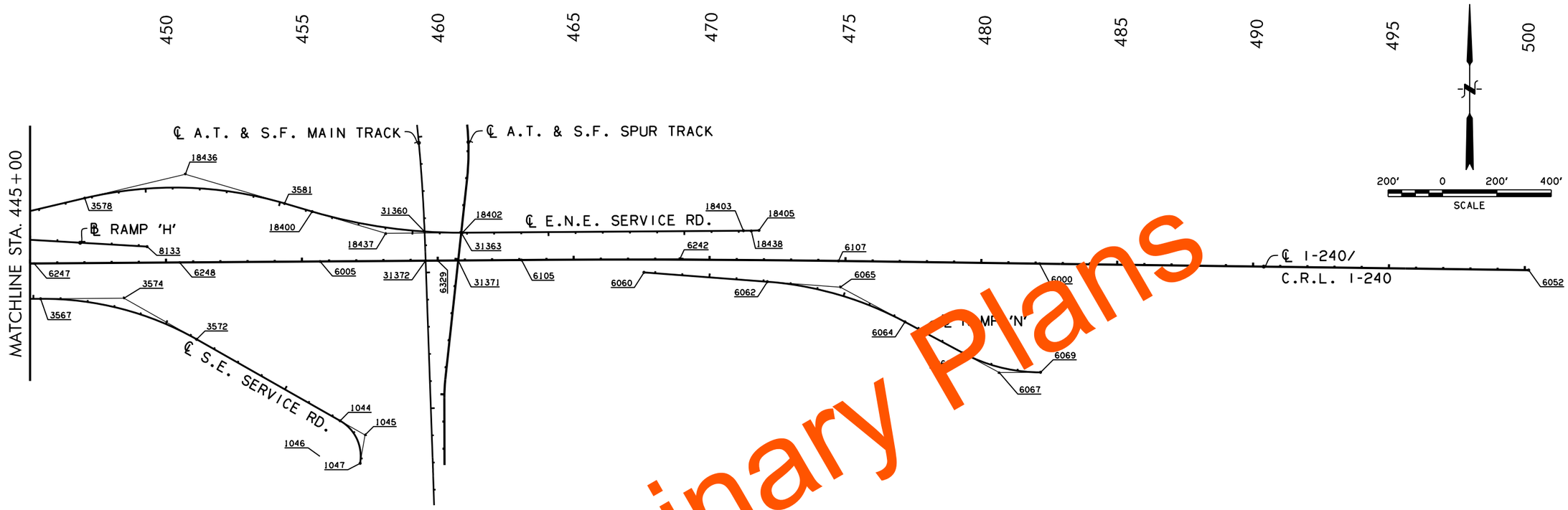
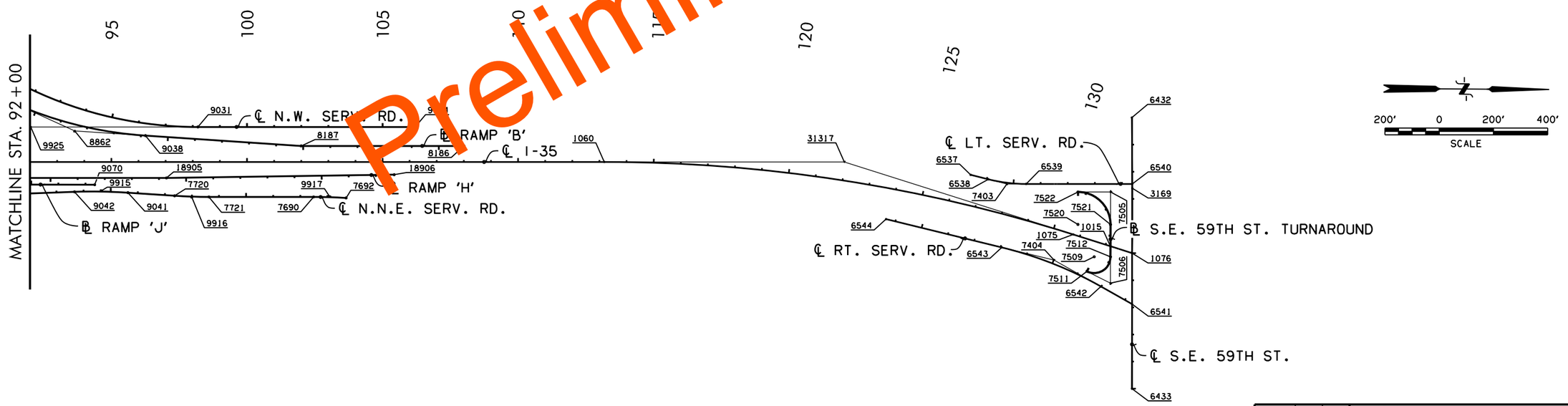
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	





Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC LAYOUT SHEET
(SHEET 2 OF 2)

STATE JOB NO. 09032(06) SHEET NO. R016

5/27/2022 9:53:19 AM
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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

C/L I-240 (E.B. & W.B.)

V= 60 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	6417	371+39.31	143,039.5414	2,145,147.3663
P.I. STA.	6002	376+33.43	143,044.2256	2,145,641.4636
TANGENTIAL DIRECTION:		N 89°27'24.62" E		
TANGENTIAL LENGTH:		494.12'		
P.I. STA.	6002	376+33.43	143,044.2256	2,145,641.4636
P.I. STA.	6001	393+43.79	143,060.4395	2,147,351.7473
TANGENTIAL DIRECTION:		N 89°27'24.62" E		
TANGENTIAL LENGTH:		1,710.36'		
P.I. STA.	6001	393+43.79	143,060.4395	2,147,351.7473
P.I. STA.	6240	395+00.00	143,061.9203	2,147,507.9503
TANGENTIAL DIRECTION:		N 89°27'24.62" E		
TANGENTIAL LENGTH:		156.21'		
P.I. STA.	6240	395+00.00	143,061.9203	2,147,507.9503
P.I. STA.	6241	400+00.00 C/L I-240=	143,066.6602	2,148,007.9278
P.C. STA.		399+96.14 C.R.L. I-240		
TANGENTIAL DIRECTION:		N 89°27'24.62" E		
TANGENTIAL LENGTH:		500.00'		
P.I. STA.	6241	400+00.00	143,066.6602	2,148,007.9278
P.I. STA.	6004	402+74.55	143,069.2629	2,148,282.4673
TANGENTIAL DIRECTION:		N 89°27'24.62" E		
TANGENTIAL LENGTH:		274.55'		
P.I. STA.	6004	402+74.55	143,069.2629	2,148,282.4673
P.I. STA.	1108	415+00.00	143,080.9645	2,149,516.7800
TANGENTIAL DIRECTION:		N 89°27'24.62" E		
TANGENTIAL LENGTH:		1,234.37'		
P.I. STA.	1108	415+00.00	143,080.9645	2,149,516.7800
EQUATION BACK:		415+08.92	143,080.9645	2,149,516.7800
EQUATION AHEAD:		415+00.00	143,080.9645	2,149,516.7800
P.C. STA.	1234	420+07.57	143,085.7762	2,150,024.3309
TANGENTIAL DIRECTION:		N 89°27'24.62" E		
TANGENTIAL LENGTH:		507.57'		
CURVE 1				
P.C. STA.	1234	420+07.57	143,085.7762	2,150,[illegible]
P.I. STA.	6237	422+59.26	143,088.1621	2,150,[illegible]76.005
C.C. STA.	1236		14[illegible]21.1160	2,150,[illegible]685
P.T. STA.	1237	425+09.66	143,0[illegible]628	2,150,[illegible]1.2414
RADIUS:		2,864.79'		
DELTA:		10°02'30.00" RT.		
DEGREE OF CURVATURE (ARC):		02°00'00.00"		
LENGTH:		502.08'		
TANGENT:		251.69'		
CHORD:		501.44'		
MIDDLE ORDINATE:		10.99'		
EXTERNAL:		11.03'		
TANGENT DIRECTION:		N 89°27'24.62" E		
RADIAL DIRECTION:		S 00°32'35.38" E		
CHORD DIRECTION:		S 85°31'20.38" E		
RADIAL DIRECTION:		S 09°29'54.62" W		
TANGENT DIRECTION:		S 80°30'05.38" E		
P.T. STA.	1237	425+09.66	143,046.6284	2,150,524.2414
P.I. STA.	1103	428+14.28 C/L I-240=	142,996.3594	2,150,824.6854
P.O.T. STA.		79+77.15 C/L I-35		
TANGENTIAL DIRECTION:		S 80°30'05.40" E		
TANGENTIAL LENGTH:		304.62'		
P.I. STA.	1103	428+14.28	142,996.3594	2,150,824.6854
P.I. STA.	1227	429+12.77	142,980.1053	2,150,921.8313
TANGENTIAL DIRECTION:		S 80°30'05.26" E		
TANGENTIAL LENGTH:		98.50'		

C/L I-240 (E.B. & W.B., CONT'D.)

V= 60 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.I. STA.	1227	429+12.77	142,980.1053	2,150,921.8313
P.C. STA.	1238	431+28.35	142,944.5298	2,151,134.4563
TANGENTIAL DIRECTION:		S 80°30'05.40" E		
TANGENTIAL LENGTH:		215.58'		
CURVE 2				
P.C. STA.	1238	431+28.35	142,944.5298	2,151,134.4563
P.I. STA.	6238	433+76.68	142,903.5503	2,151,379.3795
C.C. STA.	1239		145,770.0422	2,151,607.2092
P.T. STA.	1240	436+23.77 C/L I-240=	142,905.3265	2,151,627.7003
P.O.T. STA.		436+23.77 C.R.L. I-240		
RADIUS:		2,864.79'		
DELTA:		09°54'29.99" LT.		
DEGREE OF CURVATURE (ARC):		02°00'00.00"		
LENGTH:		495.42'		
TANGENT:		248.33'		
CHORD:		494.80'		
MIDDLE ORDINATE:		10.70'		
EXTERNAL:		10.74'		
TANGENT DIRECTION:		S 80°30'05.40" E		
RADIAL DIRECTION:		S 09°29'54.62" W		
CHORD DIRECTION:		S 85°27'20.35" E		
RADIAL DIRECTION:		S 00°24'35.37" E		
TANGENT DIRECTION:		N 89°35'24.60" E		
P.T. STA.	1240	[illegible]	142,905.3265	2,151,627.7003
P.I. STA.	1113	[illegible]41+00.00	142,908.7329	2,152,103.9174
TANGENTIAL DIRECTION:		N 8[illegible]35'24.60" E		
TANGENTIAL LENGTH:		[illegible]6.23'		
P.I. STA.	1113	[illegible]41+00.00	142,908.7329	2,152,103.9174
P.I. STA.	6247	445+14.61	142,911.6986	2,152,518.5191
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LEN[illegible]		414.61'		
P.I. STA.	6247	445+14.61	142,911.6986	2,152,518.5191
P.I. STA.	6248	450+50.00	142,915.5281	2,153,053.8931
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		535.39'		
P.I. STA.	6248	450+50.00	142,915.5281	2,153,053.8931
P.I. STA.	6005	455+66.73	142,919.2242	2,153,570.6084
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		516.73'		
P.I. STA.	6005	455+66.73	142,919.2242	2,153,570.6084
P.I. STA.	6329	460+00.00	142,922.3233	2,154,003.8688
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		433.27'		
P.I. STA.	6329	460+00.00	142,922.3233	2,154,003.8688
P.C. STA.	6105	463+07.99	142,924.5263	2,154,311.8497
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		307.99'		

C/L I-240 (E.B. & W.B., CONT'D.)

V= 60 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
CURVE 3				
P.C. STA.	6105	463+07.99	142,924.5263	2,154,311.8497
P.I. STA.	6242	468+91.34	142,928.6990	2,154,895.1883
C.C. STA.	6106		85,630.2126	2,154,721.6783
P.T. STA.	6107	474+74.66	142,920.9935	2,155,478.4909
RADIUS:		57,295.78'		
DELTA:		01°10'00.00" RT.		
DEGREE OF CURVATURE (ARC):		00°06'00.00"		
LENGTH:		1166.67'		
TANGENT:		583.35'		
CHORD:		1166.65'		
MIDDLE [illegible]DINATE:		2.97'		
EXTERN[illegible]:		2.97'		
[illegible]ENT DIRECTI[illegible]:		N 89°35'24.60" E		
RAD[illegible] DIRECTI[illegible]		S 00°24'35.40" E		
CHORD DIRECTION:		S 89°49'35.40" E		
RADIAL DIRECTION:		S 00°45'24.60" W		
[illegible]ANGENT DIRECTION:		S 89°14'35.40" E		
P.T. STA.	6107	474+74.66	142,920.9935	2,155,478.4909
P.I. STA.	6000	482+14.52	142,911.2208	2,156,218.2873
TANGENTIAL DIRECTION:		S 89°14'35.40" E		
TANGENTIAL LENGTH:		739.86'		
P.I. STA.	6000	482+14.52	142,911.2208	2,156,218.2873
P.O.E. STA.	6052	500+14.57	142,887.4441	2,158,018.1858
TANGENTIAL DIRECTION:		S 89°14'35.40" E		
TANGENTIAL LENGTH:		1,800.06'		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES

(SHEET 1 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R017

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

C.R.L. I-240 (E.B. & W.B.)

V= 60 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	6417	371+39.31	143,039.5414	2,145,147.3663
P.O.T. STA.	6002	376+33.43 C.R.L. I-240=	143,044.2256	2,145,641.4636
P.I. STA.		100+96.72 C/L SANTA FE AVE.		
P.O.T. STA.	6001	393+43.79 C.R.L. I-240=	143,060.4395	2,147,351.7473
P.O.T. STA.		147+61.38 C/L S. SHIELDS BLVD.		
EQUATION BACK:		400+00.00	143,066.6602	2,148,007.9278
EQUATION AHEAD:		399+96.14	143,066.6602	2,148,007.9278
P.C. STA.	6241	399+96.14 C.R.L. I-240=	143,066.6602	2,148,007.9278
P.O.T. STA.		400+00.00 C/L I-240		
TANGENTIAL DIRECTION:		N 89°27'24.62" E		
TANGENTIAL LENGTH:		2,860.69'		
CURVE C-1		FULL SUPER = 2.84%		
P.C. STA.	6241	399+96.14	143,066.6602	2,148,007.9278
P.I. STA.	9075	403+21.43	143,069.7439	2,148,333.2057
C.C. STA.	16002		137,337.3397	2,148,062.2430
P.T. STA.	16005	406+46.03	143,035.9917	2,148,656.7424
RADIUS:		5,729.58'		
DELTA:		06°29'55.94" RT.		
DEGREE OF CURVATURE (ARC):		01°00'00.00"		
LENGTH:		649.89'		
TANGENT:		325.29'		
CHORD:		649.54'		
MIDDLE ORDINATE:		9.21'		
EXTERNAL:		9.23'		
TANGENT DIRECTION:		N 89°27'24.62" E		
RADIAL DIRECTION:		S 00°32'35.38" E		
CHORD DIRECTION:		S 87°17'37.41" E		
RADIAL DIRECTION:		S 05°57'20.57" W		
TANGENT DIRECTION:		S 84°02'39.43" E		
P.T. STA.	16005	406+46.03	143,035.9917	2,148,656.7424
P.C. STA.	16006	416+97.59	142,926.8815	2,149,702.6326
TANGENTIAL DIRECTION:		S 84°02'39.43" E		
TANGENTIAL LENGTH:		1,051.57'		
CURVE C-2		FULL SUPER = 2.84%		
P.C. STA.	16006	416+97.59	142,926.8815	2,149,702.6326
P.I. STA.	9076	420+16.20	142,893.8231	2,150,019.5179
P.O.C. STA.	31133	422+36.66 C.R.L. I-240=	142,896.2341	2,150,2[illegible]
P.O.C. STA.		419+30.06 B/L RAMP "M"		
P.O.C. STA.	31134	422+85.90 C.R.L. I-240=	142,895.9604	2,150,[illegible]
P.O.C. STA.		419+28.51 B/L RAMP "B"		
C.C. STA.	16003		148,62[illegible]5335	150,297[illegible]
P.T. STA.	16001	423+34.15	142,[illegible].1020	2,150,338.1148
RADIUS:		5,729.58'		
DELTA:		06°21'55.96" LT.		
DEGREE OF CURVATURE (ARC):		01°00'00.00"		
LENGTH:		636.55'		
TANGENT:		318.61'		
CHORD:		636.23'		
MIDDLE ORDINATE:		8.84'		
EXTERNAL:		8.85'		
TANGENT DIRECTION:		S 84°02'39.43" E		
RADIAL DIRECTION:		S 05°57'20.57" W		
CHORD DIRECTION:		S 87°13'37.41" E		
RADIAL DIRECTION:		S 00°24'35.40" E		
TANGENT DIRECTION:		N 89°35'24.60" E		
P.T. STA.	16001	423+34.15	142,896.1020	2,150,338.1148
P.O.T. STA.	18322	427+62.58 C.R.L. I-240=	142,899.1665	2,150,766.5338
P.O.T. STA.		85+49.78 B/L RAMP "C"		
P.O.T. STA.	6404	428+21.58 C.R.L. I-240=	142,899.5886	2,150,825.5324
P.O.T. STA.		78+80.37 C/L I-35		
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		487.43'		

C.R.L. I-240 (E.B. & W.B., CONT'D.)

V= 60 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.O.T. STA.	6404	428+21.58	142,899.5886	2,150,825.5324
P.O.T. STA.	18323	428+80.58 C.R.L. I-240=	142,900.0106	2,150,884.5309
P.O.T. STA.		78+80.28 B/L RAMP "D"		
P.O.T. STA.	31135	434+41.56 C.R.L. I-240=	142,904.0232	2,151,445.4975
P.O.C. STA.		79+77.81 B/L RAMP "A"		
P.O.T. STA.	31136	434+74.79 C.R.L. I-240=	142,904.2609	2,151,478.7251
P.O.C. STA.		79+80.92 B/L RAMP "J"		
P.O.T. STA.	1240	436+23.77 C.R.L. I-240=	142,905.3265	2,151,627.7003
P.T. STA.		436+23.77 C/L I-240		
P.O.T. STA.	31372	459+55.22 C.R.L. I-240=	142,922.0030	2,153,959.0922
P.O.T. STA.		20564+56.42 A.T. & S.F. R.R. M.T.		
P.O.T. STA.	31371	460+75.37 C.R.L. I-240=	142,922.8625	2,154,079.2388
P.O.T. STA.		14+95.63 A.T. & S.F. R.R. S.T.		
P.O.C. STA.	6105	463+07.98	142,924.5263	2,154,311.8497
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		3,486.41'		
CURVE C-3		FULL SUPER = N.C.		
P.C. STA.	6105	463+07.98	142,9[illegible]526	2,154,[illegible]1.849
P.I. STA.	6242	468+91.34	142,92[illegible]990	154,[illegible]95.1[illegible]3
C.C. STA.	6106		85,6[illegible]2126	2,[illegible]54,7[illegible]6783
P.T. STA.	6107	474+74.65	[illegible],920.9935	2,[illegible]5,478.4909
RADIUS:		57,295.78'		
DELTA:		01°10'00.00" RT.		
DEGREE OF CURVATURE (ARC):		00°06'[illegible]0.00"		
LENGTH:		[illegible]66.[illegible]		
TANGENT:		[illegible]583.35'		
CHORD:		[illegible]166.65'		
MIDDLE ORDINATE:		[illegible]97'		
EXTERNAL:		[illegible]7'		
TANGENT DIRECTION:		[illegible]°35'24.60" E		
RADIAL DIRECTION:		S 00°24'35.40" E		
CHORD DIRECTION:		S 89°49'35.40" E		
RADIAL DIRECTION:		S 00°45'24.60" W		
TANGENT DIRECTION:		S 89°14'35.40" E		
P.T. STA.	6107	474+74.65	142,920.9935	2,155,478.4909
P.O.C. STA.	6052	500+14.57	142,887.4441	2,158,018.1858
TANGENTIAL DIRECTION:		S 89°14'35.40" E		
TANGENTIAL LENGTH:		2,539.92'		

C/L I-35 (N.B. & S.B.)

V= 60 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	1323	25+00.00	137,519.4210	2,150,872.6245
P.O.T. STA.	1012	73+62.41 C/L I-35=	142,381.6492	2,150,830.0659
P.O.C. STA.		427+00.74 B/L RAMP "B"		
P.O.T. STA.	6404	78+80.37 C/L I-35=	142,899.5886	2,150,825.5324
P.O.T. STA.		428+21.58 C.R.L. I-240		
P.O.T. STA.	1103	79+77.15 C/L I-35=	142,996.3594	2,150,824.6854
P.O.T. STA.		428+14.28 C/L I-240		
P.I. STA.	1084	79+79.44	142,998.6493	2,150,824.6653
TANGENTIAL DIRECTION:		N 00°30'05.37" W		
TANGENTIAL LENGTH:		5,479.44'		
P.I. STA.	1084	79+79.44	142,998.6493	2,150,824.6653
P.O.I. STA.	1013	79+85.37 C/L I-35=	143,004.5848	2,150,824.6296
P.O.T. STA.		428+21.43 B/L RAMP "I"		
P.O.T. STA.	1014	85+29.75 C/L I-35=	143,548.9515	2,150,821.3588
P.O.C. STA.		89+27.71 B/L RAMP "A"		
P.C. STA.	1060	113+17.69	146,336.8430	2,150,804.6077
TANGENTIAL DIRECTION:		N 00°20'39.33" W		
TANGENTIAL LENGTH:		3,338.25'		
CURVE C-4		FULL SUPER = 2.84%		
P.C. STA.	1060	113+17.69	146,336.8430	2,150,804.6077
P.I. STA.	31317	122+03.22	147,222.3501	2,150,799.2871
C.C. STA.	1063		146,371.2687	2,156,534.0823
P.T. STA.	1075	130+74.84	148,068.1468	2,151,061.5446
RADIUS:		5,729.58'		
DELTA:		17°34'17.16" RT.		
DEGREE OF CURVATURE (ARC):		01°00'00.00"		
LENGTH:		1,757.14'		
TANGENT:		885.52'		
CHORD:		1,750.27'		
MIDDLE ORDINATE:		67.23'		
EXTERNAL:		68.03'		
TANGENT DIRECTION:		N 00°20'39.33" W		
RADIAL DIRECTION:		N 89°39'20.67" E		
CHORD DIRECTION:		N 08°26'29.25" E		
RADIAL DIRECTION:		S 72°46'22.17" E		
TANGENT DIRECTION:		N 17°13'37.83" E		
P.T. STA.	1075	130+74.84	148,068.1468	2,151,061.5446
P.O.T. STA.	1015	132+18.82 C/L I-35=	148,205.6727	2,151,104.1875
P.O.T. STA.		01+61.03 B/L S.E. 59TH ST. T/A		
P.O.E. STA.	1076	133+02.75	148,285.8404	2,151,129.0452
TANGENTIAL DIRECTION:		N 17°13'37.83" E		
TANGENTIAL LENGTH:		227.92'		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES

(SHEET 2 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R018

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

B/L RAMP SF-3

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	7216	380+37.16 B/L RAMP "SF-3"=	143,137.7041	2,146,044.4230
P.O.T. STA.		380+37.26 C.R.L. I-240, 89.65' RT.		
P.C. STA.	7288	381+51.98	143,133.8804	2,146,159.1725
TANGENTIAL DIRECTION:		S 88°05'29.38" E		
TANGENTIAL LENGTH:		114.81'		
CURVE SF3-1		FULL SUPER = VAR.		
P.C. STA.	7288	381+51.98	143,133.8804	2,146,159.1725
P.I. STA.	7220	382+23.83	143,131.4874	2,146,230.9861
C.C. STA.	7289		140,843.3205	2,146,082.8464
P.T. STA.	7290	382+95.64	143,124.6006	2,146,302.5087
RADIUS:		2,291.83'		
DELTA:		03°35'29.38" RT.		
DEGREE OF CURVATURE (ARC):		02°30'00.00"		
LENGTH:		143.66'		
TANGENT:		71.85'		
CHORD:		143.64'		
MIDDLE ORDINATE:		1.13'		
EXTERNAL:		1.13'		
TANGENT DIRECTION:		S 88°05'29.38" E		
RADIAL DIRECTION:		S 01°54'30.62" W		
CHORD DIRECTION:		S 86°17'44.69" E		
RADIAL DIRECTION:		S 05°30'00.00" W		
TANGENT DIRECTION:		S 84°30'00.00" E		
P.T. STA.	7290	382+95.64	143,124.6006	2,146,302.5087
P.O.T. STA.	31383	383+96.62	143,114.9214	2,146,403.0308
TANGENTIAL DIRECTION:		S 84°30'00.00" E		
TANGENTIAL LENGTH:		100.99'		
P.O.T. STA.	31383	383+96.62 B/L RAMP "SF-3"=	143,114.9214	2,146,403.0308
P.O.T. STA.		383+95.63 C.R.L. I-240, 63.47' RT.		
P.O.T. STA. B/L SHIFT 19.00' LT.	31384	383+96.62 B/L RAMP "SF-3"=	143,133.8339	2,146,404.8518
P.O.T. STA.		383+97.63 C.R.L. I-240, 82.37' RT.		
P.O.T. STA.	31384	383+96.62	143,133.8339	2,146,404.8518
P.C. STA.	7280	384+97.61	143,124.1549	2,146,505.372[illegible]
TANGENTIAL DIRECTION:		S 84°30'00.00" E		
TANGENTIAL LENGTH:		100.99'		
CURVE SF3-2		FULL SUPER = 3.60%		
P.C. STA.	7280	384+97.61	143,124.1549	2,146,[illegible]724
P.I. STA.	31379	386+18.58	143,1[illegible]559	2,146,[illegible]5.7909
C.C. STA.	7284		145,40[illegible]4349	146,72[illegible]
P.T. STA./ P.O.E. STA.	7285	387+39.34 B/L RAMP "SF-3"=	143,[illegible].7067	2,[illegible]46,746.7608
P.O.T. STA.		387+39.34 C.R.L. I-240, 59.00' RT.		
RADIUS:		2,291.83'		
DELTA:		06°02'35.38" LT.		
DEGREE OF CURVATURE (ARC):		02°30'00.00"		
LENGTH:		241.73'		
TANGENT:		120.98'		
CHORD:		241.61'		
MIDDLE ORDINATE:		3.19'		
EXTERNAL:		3.19'		
TANGENT DIRECTION:		S 84°30'00.00" E		
RADIAL DIRECTION:		S 05°30'00.00" W		
CHORD DIRECTION:		S 87°31'17.69" E		
RADIAL DIRECTION:		S 00°32'35.38" E		
TANGENT DIRECTION:		N 89°27'24.62" E		

B/L RAMP SF-4

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	7261	378+47.39 B/L RAMP "SF-4"=	142,948.1608	2,145,856.8555
P.O.T. STA.		378+47.90 C.R.L. I-240, 98.10' LT.		
P.C. STA.	7400	380+07.49	142,959.9327	2,146,016.5286
TANGENTIAL DIRECTION:		N 85°47'00.60" E		
TANGENTIAL LENGTH:		160.11'		
CURVE SF4-1		FULL SUPER = N.C.		
P.C. STA.	7400	380+07.49	142,959.9327	2,146,016.5286
P.I. STA.	7204	380+74.17	142,964.8349	2,146,083.0215
C.C. STA.	7401		146,769.3126	2,145,735.6821
P.T. STA.	7402	381+40.83	142,972.0546	2,146,149.3028
RADIUS:		3,819.72'		
DELTA:		02°00'00.00" LT.		
DEGREE OF CURVATURE (ARC):		01°30'00.00"		
LENGTH:		133.33'		
TANGENT:		66.67'		
CHORD:		133.33'		
MIDDLE ORDINATE:		0.58'		
EXTERNAL:		0.58'		
TANGENT DIRECTION:		N 85°47'00.60" E		
RADIAL DIRECTION:		S 04°12'59.40" E		
CHORD DIRECTION:		N 84°47'00.60" E		
RADIAL DIRECTION:		S 06°12'59.40" E		
TANGENT DIRECTION:		N 83°47'00.60" E		
P.T. STA.	7402	[illegible]	142,972.0546	2,146,149.3028
P.O.T. STA.	7428	[illegible]82+63.29[illegible]	142,985.3155	2,146,271.0441
TANGENTIAL DIRECTION:		N 8[illegible]47'00.60" E		
TANGENTIAL LENGTH:		[illegible]2.46'		
P.O.T. STA.	[illegible]42[illegible]	382+6[illegible] B/L RAMP "SF-4"=	142,985.3155	2,146,271.0441
P.O.T. STA.		[illegible]42 C.R.L. I-240, 64.88' LT.		
P.O.T. STA. B/L SHIFT 19.0[illegible] RT.	[illegible]1615	382+63.29 B/L RAMP "SF-4"=	142,966.4272	2,146,273.1016
P.O.T STA.		382+64.30 C.R.L. I-240, 83.78' LT.		
P.O.T. ST[illegible]	31615	382+63.29	142,966.4272	2,146,273.1016
P.C. STA.	7425	383+83.22	142,979.4142	2,146,392.3296
TANGENTIAL DIRECTION:		N 83°47'00.60" E		
TANGENTIAL LENGTH:		119.93'		
CURVE SF4-2		FULL SUPER = 3.20%		
P.C. STA.	7425	383+83.22	142,979.4142	2,146,392.3296
P.I. STA.	31700	385+13.98	142,993.5737	2,146,522.3210
C.C. STA.	7427		140,355.9620	2,146,678.0922
P.T. STA./ P.O.E. STA.	7426	386+44.53 B/L RAMP "SF-4"=	142,994.8133	2,146,653.0753
P.O.T. STA.		386+44.53 C.R.L. I-240, 59.00' LT.		
RADIUS:		2,638.97'		
DELTA:		05°40'24.02" RT.		
DEGREE OF CURVATURE (ARC):		02°10'16.11"		
LENGTH:		261.31'		
TANGENT:		130.76'		
CHORD:		261.20'		
MIDDLE ORDINATE:		3.23'		
EXTERNAL:		3.24'		
TANGENT DIRECTION:		N 83°47'00.60" E		
RADIAL DIRECTION:		S 06°12'59.40" E		
CHORD DIRECTION:		N 86°37'12.61" E		
RADIAL DIRECTION:		S 00°32'35.38" E		
TANGENT DIRECTION:		N 89°27'24.62" E		

B/L S.E. 59TH ST. TURNAROUND

V= 25 M.P.H.

	POINT	STATION	NORTHING	EASTING
CURVE 59T-1		FULL SUPER = VAR.		
P.C. STA./ P.O.B. STA.	7511	00+00.00 B/L S.E. 59TH. ST. T/A=	148,119.3072	2,151,197.2862
P.O.C. STA.		131+27.25 RT. SERV. RD., 25.11' RT.=		
P.O.T. STA.		131+63.90 C/L I-35, 114.50' LT.		
P.I. STA.	7506	00+96.99	148,206.2878	2,151,240.1911
C.C. STA.	7509		148,145.8498	2,151,143.4765
P.T. STA.	7512	01+22.01	148,205.8492	2,151,143.2051
RADIUS:		60.00'		
DELTA:		116°30'53.25" LT.		
DEGREE OF CURVATURE (ARC):		95°29'34.68"		
LENGTH:		122.01'		
TANGENT:		96.99'		
CHORD:		102.05'		
MIDDLE ORDINATE:		28.43'		
EXTERNAL:		54.05'		
TANGENT DIRECTION:		N 26°15'20.39" E		
RADIAL DIRECTION:		S 63°44'39.61" E		
CHORD DIRECTION:		N 32°00'06.23" W		
RADIAL DIRECTION:		N 00°15'32.86" W		
TANGENT DIRECTION:		S 89°44'27.14" W		
P.T. STA.	7512	01+22.01	148,205.8492	2,151,143.2051
P.C. STA.	7521	02+41.08	148,205.3107	2,151,024.1390
TANGENTIAL DIRECTION:		S 89°44'27.14" W		
TANGENTIAL LENGTH:		119.07'		
CURVE 59T-2		FULL SUPER = VAR.		
P.C. STA.	7521	02+41.08	148,205.3107	2,151,024.1390
P.I. STA.	7505	03+61.26	148,204.7672	2,150,903.9619
C.C. STA.	7520		148,085.3119	2,151,024.6818
P.T. STA./ P.O.E. STA.	7522	04+29.76 B/L S.E. 59TH. ST. T/A=	148,084.5909	2,150,904.6839
P.O.T. STA.		472+37.72 LT. SERV. RD, 29.59' LT.=		
P.O.C. STA.		130+44.89 C/L I-35, 154.77' RT.		
RADIUS:		120.00'		
DELTA:		90°05'06.44" LT.		
DEGREE OF CURVATURE (ARC):		47°44'47.34"		
LENGTH:		188.67'		
TANGENT:		120.18'		
CHORD:		169.83'		
MIDDLE ORDINATE:		35.21'		
EXTERNAL:		49.83'		
TANGENT DIRECTION:		S 89°44'27.14" W		
RADIAL DIRECTION:		N 00°15'32.86" W		
CHORD DIRECTION:		S 44°41'53.92" W		
RADIAL DIRECTION:		S 89°39'20.70" W		
TANGENT DIRECTION:		S 00°20'39.30" E		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES

(SHEET 3 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R019

5/27/2022 9:53:40 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Roadway\Drawings\0903206-Phase 2_COOD_Points_3.dgn

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022

B/L RAMP "A" (N.B. I-35 TO W.B. I-240)

V= 50 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	18007	55+00.00 B/L RAMP "A"=	140,519.8265	2,150,905.3645
P.O.T. STA.		55+00.00 C/L I-35, 59.00' LT.		
P.C. STA.	18008	60+75.69	141,094.5720	2,150,938.2830
TANGENTIAL DIRECTION:		N 03°16'40.93" E		
TANGENTIAL LENGTH:		575.69'		
CURVE RA-1		FULL SUPER = 4.50%		
P.C. STA.	18008	60+75.69	141,094.5720	2,150,938.2830
P.I. STA.	16626	63+05.63	141,324.1362	2,150,951.4313
C.C. STA.	18024		140,985.3637	2,152,845.0174
P.T. STA.	18031	65+33.37	141,544.0195	2,151,018.6915
RADIUS:		1,909.86'		
DELTA:		13°43'49.22" RT.		
DEGREE OF CURVATURE (ARC):		03°00'00.00"		
LENGTH:		457.68'		
TANGENT:		229.94'		
CHORD:		456.58'		
MIDDLE ORDINATE:		13.69'		
EXTERNAL:		13.79'		
TANGENT DIRECTION:		N 03°16'40.93" E		
RADIAL DIRECTION:		S 86°43'19.07" E		
CHORD DIRECTION:		N 10°08'35.54" E		
RADIAL DIRECTION:		S 72°59'29.85" E		
TANGENT DIRECTION:		N 17°00'30.15" E		
P.T. STA. CURVE RA-1	18031	65+33.37 B/L RAMP "A"=	141,544.0195	2,151,018.6915
P.O.B. STA./ P.C. STA.		65+33.37 B/L RAMP "E"		
P.C. STA. B/L SHIFT 24.00' LT.	18444	65+27.90 B/L RAMP "A"	141,551.0398	2,150,995.7412
CURVE RA-2		FULL SUPER = 4.50%		
P.C. STA.	18444	65+27.90	141,551.0398	2,150,995.7412
P.I. STA.	16627	66+77.04	141,693.6531	2,151,039.3653
C.C. STA.	18024		140,985.3637	2,152,845.0174
P.T. STA.	18025	68+25.59	141,827.8915	2,151,104.3398
RADIUS:		1,933.86'		
DELTA:		08°49'10.81" RT.		
DEGREE OF CURVATURE (ARC):		02°57'45.97"		
LENGTH:		297.68'		
TANGENT:		149.14'		
CHORD:		297.39'		
MIDDLE ORDINATE:		5.73'		
EXTERNAL:		5.74'		
TANGENT DIRECTION:		N 17°00'30.15" E		
RADIAL DIRECTION:		S 72°59'29.85" E		
CHORD DIRECTION:		N 21°25'05.55" E		
RADIAL DIRECTION:		S 64°10'19.05" E		
TANGENT DIRECTION:		N 25°49'40.95" E		
P.T. STA.	18025	68+25.59	141,827.8915	2,151,104.3398
P.C. STA.	18026	74+54.34	142,393.8382	2,151,378.2709
TANGENTIAL DIRECTION:		N 25°49'40.95" E		
TANGENTIAL LENGTH:		628.76'		
CURVE RA-3		FULL SUPER = 6.00%		
P.C. STA.	18026	74+54.34	142,393.8382	2,151,378.2709
P.O.C. STA.	18032	74+54.86 B/L RAMP "A"=	142,394.3073	2,151,378.4980
P.O.C. STA.		432+59.35 B/L RAMP "B"		
P.O.C. STA.	31135	79+77.81 B/L RAMP "A"=	142,904.0232	2,151,445.4975
P.O.T. STA.		434+41.56 C.R.L. I-240		
P.O.C. STA.	18033	80+86.20 B/L RAMP "A"=	143,008.8305	2,151,418.1807
P.O.T. STA.		434+15.00 B/L RAMP "I"		
P.O.C. STA.	31114	82+23.28 B/L RAMP "A"=	143,134.6747	2,151,364.2446
P.O.C. STA.		433+38.43 B/L RAMP "H"		
P.O.C. STA.	31124	87+26.09 B/L RAMP "A"=	143,480.9951	2,151,010.6453
P.O.C. STA.		428+37.77 B/L RAMP "H"		
P.O.C. STA.	18034	88+70.07 B/L RAMP "A"=	143,534.3185	2,150,877.0994
P.O.T. STA.		85+14.69 B/L RAMP "D"		
P.O.C. STA.	1014	89+27.71 B/L RAMP "A"=	143,548.9515	2,150,821.3588
P.O.T. STA.		85+29.75 C/L I-35		
P.O.C. STA.	18035	94+70.80 B/L RAMP "A"	143,490.2950	2,150,291.4166
P.O.C. STA.		413+21.31 B/L RAMP "B"		
P.I. STA.	16629	98+95.16	144,590.8321	2,152,441.6661
C.C. STA.	9035		142,750.4404	2,150,641.5245
P.T. STA.	9034	94+96.10	143,479.1224	2,150,268.7204

B/L RAMP "A" (N.B. I-35 TO W.B. I-240, CONT'D.)

V= 50 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
RADIUS:		818.51'		
DELTA:		142°55'22.69" LT.		
DEGREE OF CURVATURE (ARC):		07°00'00.00"		
LENGTH:		2,041.76'		
TANGENT:		2,440.82'		
CHORD:		1,552.08'		
MIDDLE ORDINATE:		558.27		
EXTERNAL:		1,755.89'		
TANGENT DIRECTION:		N 25°49'40.95" E		
RADIAL DIRECTION:		S 64°10'19.05" E		
CHORD DIRECTION:		N 45°38'00.39" W		
RADIAL DIRECTION:		N 27°05'41.73" W		
TANGENT DIRECTION:		S 62°54'18.27" W		
P.T. STA.	9034	94+96.10	143,479.1224	2,150,268.7204
P.O.T. STA.	8077	101+77.63	143,168.7094	2,149,661.9877
TANGENTIAL DIRECTION:		S 62°54'18.27" W		
TANGENTIAL LENGTH:		681.53'		
P.O.T. STA.	8077	101+77.63	143,168.7094	2,149,661.9877
P.C. STA. B/L SHIFT 24.00' RT.	8057	101+77.63 B/L RAMP "A"=	143,190.0755	2,149,651.0565
P.T. STA./ P.O.E. STA.		419+58.05 B/L RAMP "F"		
CURVE RA-4		FULL SUPER = 6.00%		
P.C. STA.	8057	101+77.63	143,19[illegible]075	2,149,[illegible]1.056[illegible]
P.O.C. STA.	1022	104+52.54 B/L RAMP "A"=	143,09[illegible]755	149,[illegible]3.7[illegible]2
P.O.T. STA.		413+80.99 B/L RAMP "L"		
P.I. STA.	8861	105+17.61	[illegible],035.2232	2,[illegible]9,348.3824
C.C. STA.	9036		[illegible]4,210.2305	2,149,129.1309
P.T. STA.	9033	108+38.64	[illegible],070.5001	2,149,010.2310
RADIUS:		1,1[illegible]92'		
DELTA:		32°[illegible]02.3[illegible] RT.		
DEGREE OF CURVATURE (ARC):		[illegible]°00'00.00		
LENGTH:		[illegible]61.01'		
TANGENT:		[illegible]9.99'		
CHORD:		65[illegible].89'		
MIDDLE ORDINATE:		47.33'		
EXTERNAL:		49.37'		
TANGENT DIRECTION:		S 62°54'18.27" W		
RADIAL DIRECTION:		N 27°05'41.73" W		
CHORD DIRECTION:		S 79°25'49.42" W		
RADIAL DIRECTION:		N 05°57'20.57" E		
TANGENT DIRECTION:		N 84°02'39.43" W		
P.T. STA.	9033	108+38.64	143,070.5001	2,149,010.2310
P.C. STA.	8333	111+86.64	143,106.6084	2,148,664.1094
TANGENTIAL DIRECTION:		N 84°02'39.43" W		
TANGENTIAL LENGTH:		348.00'		
CURVE RA-5				
P.C. STA.	8333	111+86.64	143,106.6084	2,148,664.1094
P.I. STA.	9032	113+36.67	143,116.1955	2,148,514.3825
C.C. STA.	30926		137,317.7448	2,148,293.4478
P.T. STA./ P.O.E. STA.	30927	114+86.64 B/L RAMP "A"=	143,118.0296	2,148,364.3603
P.O.C. STA.		403+49.63 C.R.L. I-240, 59.00' LT.		
RADIUS:		5,800.72'		
DELTA:		02°57'47.55" LT.		
DEGREE OF CURVATURE (ARC):		00°59'15.85"		
LENGTH:		300.00'		
TANGENT:		150.03'		
CHORD:		299.97'		
MIDDLE ORDINATE:		1.94'		
EXTERNAL:		1.94'		
TANGENT DIRECTION:		N 86°20'10.85" W		
RADIAL DIRECTION:		N 03°39'49.15" E		
CHORD DIRECTION:		N 87°49'04.62" W		
RADIAL DIRECTION:		N 00°42'01.61" E		
TANGENT DIRECTION:		N 89°17'58.39" W		

B/L RAMP "B" (S.B. I-35 TO E.B. I-240)

V= 50 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.I. STA.	8186	389+07.46 B/L RAMP "B"=	145,818.8139	2,150,748.7192
P.O.T. STA.		108+00.00 C/L I-35, 59.00' LT.		
P.I. STA.	8187	395+07.46	145,218.8247	2,150,752.3242
TANGENTIAL DIRECTION:		S 00°20'39.33" E		
TANGENTIAL LENGTH:		600.00'		
P.I. STA.	8187	395+07.46	145,218.8247	2,150,752.3242
P.C. STA.	9038	400+83.03	144,644.2908	2,150,717.8366
TANGENTIAL DIRECTION:		S 03°26'06.67" W		
TANGENTIAL LENGTH:		575.57'		
CURVE RB-1		FULL SUPER = 5.10%		
P.C. STA.	9038	400+83.03	144,644.2908	2,150,717.8366
P.I. STA.	8862	403+44.36	144,383.4310	2,150,702.1779
C.C. STA.	8189		144,730.1189	2,149,288.0158
P.T. STA.	9037	406+00.00	144,144.9069	2,150,595.4104
RADIUS:		1,432.39'		
DELTA:		20°40'44.10" RT.		
DEGREE OF CURVATURE (ARC):		04°00'00.00"		
LENGTH:		516.97'		
TANGENT:		261.33'		
CHORD:		514.17'		
MIDDLE ORDINATE:		23.26'		
EXTERNAL:		23.64'		
TANGENT DIRECTION:		S 03°26'06.67" W		
RADIAL DIRECTION:		N 86°33'53.33" W		
CHORD DIRECTION:		S 13°46'28.71" W		
RADIAL DIRECTION:		N 65°53'09.24" W		
TANGENT DIRECTION:		S 24°06'50.76" W		
P.T. STA.	9037	406+00.00	144,144.9069	2,150,595.4104
P.C. STA. B/L SHIFT 24.00' LT.	18320	405+98.58 B/L RAMP "B"=	144,135.1015	2,150,617.3160
P.C. STA./ P.O.B. STA.		406+00.00 B/L RAMP "F"		
CURVE RB-2		FULL SUPER = 5.10%		
P.C. STA.	18320	405+98.58	144,135.1015	2,150,617.3160
P.I. STA.	18439	406+41.56	144,095.8718	2,150,599.7561
C.C. STA.	8189		144,730.1189	2,149,288.0158
P.T. STA.	8201	406+84.52	144,057.7458	2,150,579.9133
RADIUS:		1,456.39'		
DELTA:		03°22'50.88" RT.		
DEGREE OF CURVATURE (ARC):		03°56'02.70"		
LENGTH:		85.94'		
TANGENT:		42.98'		
CHORD:		85.92'		
MIDDLE ORDINATE:		0.63'		
EXTERNAL:		0.63'		
TANGENT DIRECTION:		S 24°06'50.76" W		
RADIAL DIRECTION:		N 65°53'09.24" W		
CHORD DIRECTION:		S 25°48'16.20" W		
RADIAL DIRECTION:		N 62°30'18.36" W		
TANGENT DIRECTION:		S 27°29'41.64" W		
P.T. STA.	8201	406+84.52	144,057.7458	2,150,579.9133
P.C. STA.	9039	412+19.79	143,582.9299	2,150,332.7935
TANGENTIAL DIRECTION:		S 27°29'41.64" W		
TANGENTIAL LENGTH:		535.27'		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES

(SHEET 4 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R020

5/27/2022 9:53:48 AM
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POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	

B/L RAMP "B" (S.B. I-35 TO E.B. I-240, CONT'D.)

V= 50 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RB-3		FULL SUPER = 6.00%		
P.C. STA.	9039	412+19.79	143,582.9299	2,150,332.7935
P.O.C. STA.	18035	413+21.31 B/L RAMP "B"=	143,490.2950	2,150,291.4166
P.O.C. STA.		94+70.80 B/L RAMP "A"		
P.O.C. STA.	18036	418+43.36 B/L RAMP "B"=	142,977.1501	2,150,264.3137
P.O.C. STA.		422+60.92 B/L RAMP "L"		
P.O.C. STA.	31134	419+28.51 B/L RAMP "B"=	142,895.9601	2,150,289.8655
P.O.C. STA.		A 422+85.90 C.R.L. I-240		
P.O.C. STA.	18037	426+37.88 B/L RAMP "B"=	142,402.7858	2,150,770.8786
P.O.T. STA.		90+46.18 B/L RAMP "C"		
P.O.C. STA.	1012	427+00.74 B/L RAMP "B"=	142,381.6492	2,150,830.0659
P.O.T. STA.		73+62.41 C/L I-35		
P.O.C. STA.	18032	432+59.35 B/L RAMP "B"=	142,394.3073	2,151,378.4980
P.O.C. STA.		74+54.86 B/L RAMP "A"		
P.I. STA.	8863	445+55.31	140,624.1501	2,148,792.8849
C.C. STA.	9058		143,191.0525	2,151,085.7466
P.T. STA.	8191	434+63.42	142,486.9283	2,151,559.7882
RADIUS:		848.83'		
DELTA:		151°26'41.10" LT.		
DEGREE OF CURVATURE (ARC):		06°45'00.00"		
LENGTH:		2,243.63'		
TANGENT:		3,335.52'		
CHORD:		1,645.22'		
MIDDLE ORDINATE:		639.49'		
EXTERNAL:		2,593.00'		
TANGENT DIRECTION:		S 27°29'41.64" W		
RADIAL DIRECTION:		N 62°30'18.36" W		
CHORD DIRECTION:		S 48°13'38.91" E		
RADIAL DIRECTION:		S 33°56'59.46" E		
TANGENT DIRECTION:		N 56°03'00.54" E		
P.T. STA.	8191	434+63.42	142,486.9283	2,151,559.7882
P.O.T. STA.	8094	438+39.71	142,697.0765	2,151,871.9346
TANGENTIAL DIRECTION:		N 56°03'00.54" E		
TANGENTIAL LENGTH:		376.29'		
P.O.T. STA.	8094	438+39.71	142,697.0765	2,151,871.9346
P.C. STA. B/L SHIFT 24.00' RT.	9060	438+48.38 B/L RAMP "B"=	142,677.1678	2,151,885.3378
P.T. STA./ P.O.E. STA.		79+77.39 B/L RAMP "E"		
CURVE RB-4		FULL SUPER = 5.90%		
P.C. STA.	9060	438+48.38	142,677.1678	2,151,885.3378
P.I. STA.	8864	441+36.15	142,837.8751	2,152,124.046[illegible]
C.C. STA.	8067		141,885.0281	2,152,418.6346
P.T. STA./ P.O.E. STA.	8068	444+07.38 B/L RAMP "B"=	142,839.9334	2,152,411.8041
P.O.T. STA.		444+07.38 C.R.L. I-240, 71.00' LT.		
RADIUS:		954.93'		
DELTA:		33°32'24.06" RT.		
DEGREE OF CURVATURE (ARC):		06°00'00.00"		
LENGTH:		559.00'		
TANGENT:		287.76'		
CHORD:		551.05'		
MIDDLE ORDINATE:		40.61'		
EXTERNAL:		42.42'		
TANGENT DIRECTION:		N 56°03'00.54" E		
RADIAL DIRECTION:		S 33°56'59.46" E		
CHORD DIRECTION:		N 72°49'12.57" E		
RADIAL DIRECTION:		S 00°24'35.40" E		
TANGENT DIRECTION:		N 89°35'24.60" E		

B/L RAMP "C" (W.B. I-240 TO S.B. I-35)

V= 30 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RC-1		FULL SUPER = 6.00%		
P.C. STA./ P.O.B. STA.	8163	71+30.93 B/L RAMP "C"=	143,002.5195	2,150,535.9001
P.O.T. STA.		425+32.69 C.R.L. I-240, 105.00' LT.=		
P.O.B. STA.		425+32.69 B/L RAMP "I"		
C.C. STA.	8164		143,232.5136	2,150,534.2549
P.T. STA.	8165	82+15.04	143,233.8956	2,150,764.2508

B/L RAMP "C" (W.B. I-240 TO S.B. I-35, CONT'D.)

V= 30 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
RADIUS:		230.00'		
DELTA:		270°03'56.06" RT.		
DEGREE OF CURVATURE (ARC):		24°54'40.35"		
LENGTH:		1,084.11'		
TANGENT:		0.00'		
CHORD:		325.08'		
MIDDLE ORDINATE:		0.00'		
EXTERNAL:		0.00'		
TANGENT DIRECTION:		S 89°35'24.60" W		
RADIAL DIRECTION:		N 00°24'35.40" W		
CHORD DIRECTION:		N 44°37'22.64" E		
RADIAL DIRECTION:		S 89°39'20.67" W		
TANGENT DIRECTION:		S 00°20'39.33" E		
P.T. STA.	8165	82+15.04	143,233.8956	2,150,764.2508
P.O.T. STA.	18038	84+44.78 B/L RAMP "C"=	143,004.1628	2,150,765.6311
P.O.T. STA.		427+62.43 B/L RAMP "I"		
P.I. STA.	8981	84+50.73	142,998.2137	2,150,765.6669
TANGENTIAL DIRECTION:		S 00°20'39.33" E		
TANGENTIAL LENGTH:		235.69'		
P.I. STA.	8981	84+50.73	142,998.2137	2,150,[illegible]
P.O.T. STA.	18322	85+49.78 B/L RAMP "C"=	142,899.[illegible]65	2,1[illegible],766.[illegible]
P.O.T. STA.		427+62.58 C.R.L. I-240		
P.O.T. STA.	18037	90+46.18 B/L RAMP "C"=	142,4[illegible]785	2,150,[illegible]0.878[illegible]
P.O.C. STA.		426+37.88 B/L RAMP "B"		
P.I. STA.	9043	91+13.23	142,[illegible].7384	2,150,771.4654
TANGENTIAL DIRECTION:		S 00°30'05.37" E		
TANGENTIAL LENGTH:		662.50'		
P.I. STA.	9043	91+[illegible]23	142,335.7384	2,150,771.4654
P.O.E. STA.	9044	94+12.[illegible] B/L RAMP "[illegible]=	142,035.8549	2,150,786.0907
P.O.T. STA.		70+17.0[illegible] C/L I-35, 4[illegible] LT.		
TANGENTIAL DIRECTION:		S 0[illegible]17'31.57" E		
TANGENTIAL LENGTH:		[illegible]0.24'		

B/L RAMP "D" (E.B. I-240 TO N.B. I-35, CONT'D.)

V= 30 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.I. STA.	9065	84+30.91	143,450.6304	2,150,880.9507
P.O.T. STA.	18034	85+14.69 B/L RAMP "D"=	143,534.3185	2,150,877.0994
P.O.C. STA.		88+70.07 B/L RAMP "A"		
P.O.E. STA.	9066	87+31.15 B/L RAMP "D"=	143,750.5528	2,150,867.1484
P.O.T. STA.		87+31.07 C/L I-35, 47.00' LT.		
TANGENTIAL DIRECTION:		N 02°38'05.53" W		
TANGENTIAL LENGTH:		300.24'		

B/L RAMP "E" (N.B. I-35 TO E.B. I-240)

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RE-1		FULL SUPER = 4.60%		
P.C. STA./ P.O.B. STA.	18031	65+33.37 B/L RAMP "E"=	141,544.0195	2,151,018.6915
P.T. STA.		65+33.37 B/L RAMP "A"		
P.I. STA.	18465	68+39.81	141,837.0572	2,151,108.3290
C.C. STA.	18030		141,125.0277	2,152,388.4360
P.T. STA.	18029	71+37.15	142,067.7701	2,151,310.0156
RADIUS:		1,432.39'		
DELTA:		24°09'04.32" RT.		
DEGREE OF CURVATURE (ARC):		04°00'00.00"		
LENGTH:		603.78'		
TANGENT:		306.44'		
CHORD:		599.32'		
MIDDLE ORDINATE:		31.70'		
EXTERNAL:		32.41'		
TANGENT DIRECTION:		N 17°00'30.15" E		
RADIAL DIRECTION:		S 72°59'29.85" E		
CHORD DIRECTION:		N 29°05'02.31" E		
RADIAL DIRECTION:		S 48°50'25.54" E		
TANGENT DIRECTION:		N 41°09'34.46" E		
P.T. STA.	18029	71+37.15	142,067.7701	2,151,310.0156
P.C. STA.	9061	77+29.21	142,513.5232	2,151,699.6876
TANGENTIAL DIRECTION:		N 41°09'34.46" E		
TANGENTIAL LENGTH:		592.06'		
CURVE RE-2		FULL SUPER = 5.50%		
P.C. STA.	9061	77+29.21	142,513.5232	2,151,699.6876
P.I. STA.	8866	78+54.00	142,607.4760	2,151,781.8201
C.C. STA.	8067		141,885.0281	2,152,418.6346
P.T. STA./ P.O.E. STA.	9060	79+77.39 B/L RAMP "E"=	142,677.1678	2,151,885.3378
P.C. STA.		438+48.38 B/L RAMP "B"		
RADIUS:		954.93'		
DELTA:		14°53'26.08" RT.		
DEGREE OF CURVATURE (ARC):		06°00'00.00"		
LENGTH:		248.18'		
TANGENT:		124.79'		
CHORD:		247.48'		
MIDDLE ORDINATE:		8.05'		
EXTERNAL:		8.12'		
TANGENT DIRECTION:		N 41°09'34.46" E		
RADIAL DIRECTION:		S 48°50'25.54" E		
CHORD DIRECTION:		N 48°36'17.50" E		
RADIAL DIRECTION:		S 33°56'59.46" E		
TANGENT DIRECTION:		N 56°03'00.54" E		

B/L RAMP "E" (E.B. I-240 TO N.B. I-35)

V= 30 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RE-[illegible]		FULL SUPER = 6.00%		
P.C. STA./ P.O.B. STA.	9063	65+07.43 B/L RAMP "D"=	142,842.6606	2,151,115.4097
P.O.T. STA.		431+11.04 C.R.L. I-240, 59.00' LT.		
C.C. STA.	9062		142,612.6664	2,151,117.0548
P.T. STA.	9064	75+90.91	142,610.6533	2,150,887.0637
RADIUS:		230.00'		
DELTA:		269°54'30.02" RT.		
DEGREE OF CURVATURE (ARC):		24°54'40.35"		
LENGTH:		1,083.48'		
TANGENT:		0.00'		
CHORD:		325.53'		
MIDDLE ORDINATE:		0.00'		
EXTERNAL:		0.00'		
TANGENT DIRECTION:		N 89°35'24.60" E		
RADIAL DIRECTION:		S 00°24'35.40" E		
CHORD DIRECTION:		S 44°32'39.62" W		
RADIAL DIRECTION:		N 89°29'54.63" E		
TANGENT DIRECTION:		N 00°30'05.37" W		
P.T. STA.	9064	75+90.91	142,610.6533	2,150,887.0637
P.O.T. STA.	18323	78+80.28 B/L RAMP "D"=	142,900.0106	2,150,884.5309
P.O.T. STA.		428+80.58 C.R.L. I-240		
P.I. STA.	2026	79+79.34	142,999.0696	2,150,883.6639
TANGENTIAL DIRECTION:		N 00°30'05.37" W		
TANGENTIAL LENGTH:		388.43'		
P.I. STA.	2026	79+79.34	142,999.0696	2,150,883.6639
P.O.T. STA.	1016	79+85.28 B/L RAMP "D"=	143,005.0068	2,150,883.6282
P.O.T. STA.		428+80.43 B/L RAMP "I"		
P.I. STA.	9065	84+30.91	143,450.6304	2,150,880.9507
TANGENTIAL DIRECTION:		N 00°20'39.33" W		
TANGENTIAL LENGTH:		451.57'		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES

(SHEET 5 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R021

5/27/2022 9:53:58 AM
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POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	

B/L RAMP "F" (S.B. I-35 TO W.B. I-240)

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RF-1		FULL SUPER = 5.10%		
P.C. STA./ P.O.B. STA.	9037	406+00.00 B/L RAMP "F"=	144,144.9069	2,150,595.4104
P.T. STA.		406+00.00 B/L RAMP "B"		
P.I. STA.	8867	408+23.83	143,940.6071	2,150,503.9624
C.C. STA.	18309		144,613.0765	2,149,549.4947
P.T. STA.	18310	410+42.10	143,785.7364	2,150,342.3572
RADIUS:		1,145.92'		
DELTA:		22°06'17.86" RT.		
DEGREE OF CURVATURE (ARC):		05°00'00.00"		
LENGTH:		442.10'		
TANGENT:		223.83'		
CHORD:		439.36'		
MIDDLE ORDINATE:		21.25'		
EXTERNAL:		21.66'		
TANGENT DIRECTION:		S 24°06'50.76" W		
RADIAL DIRECTION:		N 65°53'09.24" W		
CHORD DIRECTION:		S 35°09'59.69" W		
RADIAL DIRECTION:		N 43°46'51.38" W		
TANGENT DIRECTION:		S 46°13'08.62" W		
P.T. STA.	18310	410+42.10	143,785.7364	2,150,342.3572
P.C. STA.	18311	416+24.33	143,382.8904	2,149,921.9933
TANGENTIAL DIRECTION:		S 46°13'08.62" W		
TANGENTIAL LENGTH:		582.23'		
CURVE RF-2		FULL SUPER = 5.10%		
P.C. STA.	18311	416+24.33	143,382.8904	2,149,921.9933
P.I. STA.	8868	417+92.38	143,266.6164	2,149,800.6632
C.C. STA.	9036		144,210.2305	2,149,129.1309
P.T. STA./ P.O.E. STA.	8057	419+58.05 B/L RAMP "F"=	143,190.0755	2,149,651.0565
P.C. STA.		101+77.63 B/L RAMP "A"		
RADIUS:		1,145.92'		
DELTA:		16°41'09.65" RT.		
DEGREE OF CURVATURE (ARC):		05°00'00.00"		
LENGTH:		333.72'		
TANGENT:		168.05'		
CHORD:		332.54'		
MIDDLE ORDINATE:		12.13'		
EXTERNAL:		12.26'		
TANGENT DIRECTION:		S 46°13'08.62" W		
RADIAL DIRECTION:		N 43°46'51.38" W		
CHORD DIRECTION:		S 54°33'43.44" W		
RADIAL DIRECTION:		N 27°05'41.73" W		
TANGENT DIRECTION:		S 62°54'18.27" W		

B/L RAMP "G" (E.B. I-240 TO S.B. I-35)

V= 50 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	9045	403+46.03 B/L RAMP "G"=	143,000.3741	2,148,354.6410
P.O.C. STA.		403+46.03 C.R.L. I-240, 59.00' LT.		
P.I. STA.	8229	406+42.84	142,965.3749	2,148,649.3755
TANGENTIAL DIRECTION:		S 83°13'40.62" E		
TANGENTIAL LENGTH:		296.81'		
P.I. STA.	8229	406+42.84	142,965.3749	2,148,649.3755
P.C. STA.	8196	413+05.28	142,896.6397	2,149,308.2458
TANGENTIAL DIRECTION:		S 84°02'39.43" E		
TANGENTIAL LENGTH:		662.45'		
CURVE RG-1		FULL SUPER = N.C.		
P.C. STA.	8196	413+05.28	142,896.6397	2,149,308.2458
P.I. STA.	9046	414+64.52	142,880.1168	2,149,466.6282
C.C. STA.	8213		137,197.7779	2,148,713.7245
P.T. STA.	8214	416+23.68	142,854.8227	2,149,623.8485

B/L RAMP "G" (E.B. I-240 TO S.B. I-35, CONT'D.)

V= 50 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
RADIUS:		5,729.79'		
DELTA:		03°11'02.05" RT.		
DEGREE OF CURVATURE (ARC):		00°59'59.87"		
LENGTH:		318.40'		
TANGENT:		159.24'		
CHORD:		318.36'		
MIDDLE ORDINATE:		2.21'		
EXTERNAL:		2.21'		
TANGENT DIRECTION:		S 84°02'39.43" E		
RADIAL DIRECTION:		S 05°57'20.57" W		
CHORD DIRECTION:		S 82°27'08.41" E		
RADIAL DIRECTION:		S 09°08'22.62" W		
TANGENT DIRECTION:		S 80°51'37.38" E		
P.T. STA.	8214	416+23.68	142,854.8227	2,149,623.8485
P.C. STA.	8217	418+78.95	142,814.2752	2,149,875.8792
TANGENTIAL DIRECTION:		S 80°51'37.38" E		
TANGENTIAL LENGTH:		255.27'		
CURVE RG-2		FULL SUPER = 5.90%		
P.C. STA.	8217	418+78.95	142,814.2752	2,149,875.879[illegible]
P.I. STA.	9047	420+84.51	142,781.6244	2,150,[illegible]259
C.C. STA.	8220		141,871.[illegible]00	2,1[illegible],724.[illegible]75
P.C.C. STA.	8224	422+83.89	142,668.36[illegible]	2,[illegible],250.36[illegible]
RADIUS:		954.93'		
DELTA:		24°17'45.73" RT.		
DEGREE OF CURVATURE (ARC):		06°00'00.00"		
LENGTH:		404.93'		
TANGENT:		205.56'		
CHORD:		401.91'		
MIDDLE ORDINATE:		21.[illegible]		
EXTERNAL:		21.87		
TANGENT DIRECTION:		S[illegible]°51'37.38		
RADIAL DIRECTION:		S 05[illegible]8'22.62" W		
CHORD DIRECTION:		S 68[illegible]44.52" E		
RADIAL DIRECTION:		[illegible]3°20[illegible]8.35" W		
TANGENT DIRECTION:		S 56°33'51.65" E		
CURVE RG-3		FULL SUPER = 5.60%		
P.C.C. STA.	[illegible]24	422+83.89	142,668.3628	2,150,250.3638
P.O.C. STA.	18[illegible]39	424+15.75 B/L RAMP "G"=	142,589.5452	2,150,355.9821
P.O.T. STA.		422+57.84 B/L RAMP "M"		
P.[illegible] STA.	9901	428+93.99	142,332.1973	2,150,759.4960
C.C. STA.	8470		141,712.0903	2,149,618.9642
P.T. STA.	9048	434+05.15	141,722.1200	2,150,764.8359
RADIUS:		1,145.92'		
DELTA:		56°03'46.28" RT.		
DEGREE OF CURVATURE (ARC):		05°00'00.00"		
LENGTH:		1121.26'		
TANGENT:		610.10'		
CHORD:		1077.06'		
MIDDLE ORDINATE:		134.43'		
EXTERNAL:		152.29'		
TANGENT DIRECTION:		S 56°33'51.65" E		
RADIAL DIRECTION:		S 33°26'08.35" W		
CHORD DIRECTION:		S 28°31'58.51" E		
RADIAL DIRECTION:		S 89°29'54.63" W		
TANGENT DIRECTION:		S 00°30'05.37" E		
P.T. STA.	9048	434+05.15	141,722.1200	2,150,764.8359
P.I. STA.	9049	444+61.03	140,666.2760	2,150,774.0776
TANGENTIAL DIRECTION:		S 00°30'05.37" E		
TANGENTIAL LENGTH:		1,055.88'		
P.I. STA.	9049	444+61.03	140,666.2760	2,150,774.0776
P.O.E. STA.	8219	447+61.27 B/L RAMP "G"=	140,366.3925	2,150,788.7029
P.O.T. STA.		53+47.60 C/L I-35, 59.00' LT.		
TANGENTIAL DIRECTION:		S 02°47'31.57" E		
TANGENTIAL LENGTH:		300.24'		

B/L RAMP "H" (W.B. I-240 TO N.B. I-35)

V= 50 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	18906	407+32.25 B/L RAMP "H"=	145,562.4815	2,150,856.2613
P.O.T. STA.		105+43.03 C/L I-35, 47.00' RT.		
P.I. STA.	18905	415+72.34	144,722.5644	2,150,873.3082
TANGENTIAL DIRECTION:		S 01°09'45.76" E		
TANGENTIAL LENGTH:		840.09'		
P.I. STA.	18905	415+72.34	144,722.5644	2,150,873.3082
P.C. STA.	9052	423+33.91	143,961.0128	2,150,877.8840
TANGENTIAL DIRECTION:		S 00°20'39.33" E		
TANGENTIAL LENGTH:		761.57'		
CURVE RH-1		FULL SUPER = 5.90%		
P.C. STA.	9052	423+33.91	143,961.0128	2,150,877.8840
P.O.E. STA.	31124	428+37.77 B/L RAMP "H"=	143,480.9951	2,151,010.6453
P.O.C. STA.		87+26.09 B/L RAMP "A"		
P.I. STA.	8870	432+89.93	143,005.0068	2,150,883.6282
P.O.C. STA.	31114	433+38.43 B/L RAMP "H"=	143,134.6747	2,151,364.2446
P.O.C. STA.		82+23.28 B/L RAMP "A"		
C.C. STA.	9051		143,966.7504	2,151,832.7964
P.T. STA.=	9050	438+35.00 B/L RAMP "H"=	143,011.8451	2,151,839.6269
P.O.E. STA.		438+36.46 B/L RAMP "I"		
RADIUS:		954.93'		
DELTA:		90°03'56.06" LT.		
DEGREE OF CURVATURE (ARC):		06°00'00.00"		
LENGTH:		1,501.09'		
TANGENT:		956.02'		
CHORD:		1,351.25'		
MIDDLE ORDINATE:		280.08'		
EXTERNAL:		396.32'		
TANGENT DIRECTION:		S 00°20'39.33" E		
RADIAL DIRECTION:		S 89°39'20.67" W		
CHORD DIRECTION:		S 45°22'37.36" E		
RADIAL DIRECTION:		S 00°24'35.40" E		
TANGENT DIRECTION:		N 89°35'24.60" E		
P.T. STA.	9050	438+35.00	143,011.8451	2,151,839.6269
P.C. STA.	9053	441+38.54	143,014.0163	2,152,143.1560
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		303.54'		
CURVE RH-2		FULL SUPER = 3.50%		
P.C. STA.	9053	441+38.54	143,014.0163	2,152,143.1560
P.I. STA.	8012	442+33.06	143,014.6924	2,152,237.6760
C.C. STA.	8135		140,149.3006	2,152,163.6474
P.T. STA.	8132	443+27.51	143,009.1365	2,152,332.0351
RADIUS:		2,864.79'		
DELTA:		03°46'46.30" RT.		
DEGREE OF CURVATURE (ARC):		02°00'00.00"		
LENGTH:		188.98'		
TANGENT:		94.52'		
CHORD:		188.94'		
MIDDLE ORDINATE:		1.56'		
EXTERNAL:		1.56'		
TANGENT DIRECTION:		N 89°35'24.60" E		
RADIAL DIRECTION:		S 00°24'35.40" E		
CHORD DIRECTION:		S 88°31'12.25" E		
RADIAL DIRECTION:		S 03°22'10.90" W		
TANGENT DIRECTION:		S 86°37'49.10" E		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES (SHEET 6 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R022

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

B/L RAMP "H" (W.B. I-240 TO N.B. I-35, CONT'D.)

V= 50 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.T. STA.	8132	443+27.51	143,009.1365	2,152,332.0351
P.O.E. STA.	8133	449+30.83 B/L RAMP "H"=	142,973.6743	2,152,934.3129
P.O.T. STA.		449+30.83 C.R.L. I-240, 59.00' RT.		
TANGENTIAL DIRECTION:		S 86°37'49.10" E		
TANGENTIAL LENGTH:		603.32'		

B/L RAMP "I" (W.B. I-240 TO RAMPS "C" & "L")

V= 55 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	8163	425+32.69 B/L RAMP "I"=	143,002.5195	2,150,535.9001
P.O.T. STA.		425+32.69 C.R.L. I-240,105.00' RT.=		
P.C. STA./ P.O.B. STA.		71+30.93 B/L RAMP "C"		
P.O.T. STA.	18038	427+62.43 B/L RAMP "I"=	143,004.1628	2,150,765.6311
P.O.T. STA.		84+44.78 B/L RAMP "C"		
P.O.T. STA.	1013	428+21.43 B/L RAMP "I"=	143,004.5848	2,150,824.6296
P.O.T. STA.		79+85.37 C/L I-35		
P.O.T. STA.	1016	428+80.43 B/L RAMP "I"=	143,005.0068	2,150,883.6282
P.O.T. STA.		79+85.28 B/L RAMP "D"		
P.O.T. STA.	18033	434+15.00 B/L RAMP "I"=	143,008.8305	2,151,418.1807
P.O.C. STA.		80+86.20 B/L RAMP "A"		
P.O.T. STA.	18040	434+57.61 B/L RAMP "I"=	143,009.1353	2,151,460.7901
P.O.C. STA.		80+87.37 B/L RAMP "J"		
P.O.E. STA.	9050	438+36.46 B/L RAMP "I"=	143,011.8451	2,151,839.6269
P.T. STA.		438+35.00 B/L RAMP "H"=		
P.O.T. STA.		438+36.45 C.R.L. I-240, 105.00' RT.		
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		1,303.76'		

B/L RAMP "J" (N.B. I-35 TO N.E. SERV. RD.)

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RJ-1		FULL SUPER = 6.00%		
P.C. STA./ P.O.B. STA.	9059	77+07.36 B/L RAMP "J"=	142,631.4878	[illegible]
P.O.C. STA.		77+07.36 B/L RAMP "A", 24.00' LT.		
P.I. STA.	9902	79+64.69	142,88[illegible]2416	[illegible]151,51[illegible]
P.O.C. STA.	31136	79+80.92 B/L RAMP "J"=	142,6[illegible]2609	[illegible]51,478.7251
P.O.T. STA.		434+74.79 C.R.L. I-240		
P.O.C. STA.	18040	80+87.37 B/L RAMP "J"=	143,009.1353	2,151,460.7901
P.O.T. STA.		434+57.61 B/L RAMP "I"		
P.O.C. STA.	31125	81+79.21 B/L RAMP "J"=	14[illegible],097.7733	2,151,436.8552
P.O.C. STA.		434+19.90 B/L RAMP "H"		
C.C. STA.	8464		142,779.8240	2,150,435.4918
P.T. STA.	9056	82+12.09	143,128.9497	2,151,426.4164
RADIUS:		1,050.63'		
DELTA:		27°31'30.50" LT.		
DEGREE OF CURVATURE (ARC):		05°27'12.52"		
LENGTH:		504.73'		
TANGENT:		257.33'		
CHORD:		499.89'		
MIDDLE ORDINATE:		30.16'		
EXTERNAL:		31.06'		
TANGENT DIRECTION:		N 08°06'59.76" E		
RADIAL DIRECTION:		S 81°53'00.24" E		
CHORD DIRECTION:		N 05°38'45.49" W		
RADIAL DIRECTION:		N 70°35'29.26" E		
TANGENT DIRECTION:		N 19°24'30.74" W		
P.T. STA.	9056	82+12.09	143,128.9497	2,151,426.4164
P.C. STA.	9055	82+14.63	143,131.3494	2,151,425.5709
TANGENTIAL DIRECTION:		N 19°24'30.74" W		
TANGENTIAL LENGTH:		2.54'		

B/L RAMP "J" (N.B. I-35 TO N.E. SERV. RD., CONT'D.)

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RJ-2		FULL SUPER = 6.00%		
P.C. STA.	9055	82+14.63	143,131.3494	2,151,425.5709
P.I. STA.	9903	83+62.09	143,270.4257	2,151,376.5711
C.C. STA.	9057		142,940.9546	2,150,885.1725
P.T. STA.	9054	85+03.28	143,368.5690	2,151,266.5209
RADIUS:		572.96'		
DELTA:		28°51'53.07" LT.		
DEGREE OF CURVATURE (ARC):		10°00'00.00"		
LENGTH:		288.65'		
TANGENT:		147.46'		
CHORD:		285.6'		
MIDDLE ORDINATE:		18.08'		
EXTERNAL:		18.67'		
TANGENT DIRECTION:		N 19°24'30.74" W		
RADIAL DIRECTION:		N 70°35'29.26" E		
CHORD DIRECTION:		N 33°50'27.28" W		
RADIAL DIRECTION:		N 41°43'36.19" E		
TANGENT DIRECTION:		N 48°16'23.81" W		
P.T. STA.	9054	85+03.28	143,36[illegible]5690	[illegible]151[illegible]66.52[illegible]9
P.O.T. STA.	30607	86+19.66	143,4[illegible]0285	[illegible]51,[illegible]6638
TANGENTIAL DIRECTION:		N 48°16'23.81" W		
TANGENTIAL LENGTH:		116.38'		
P.O.T. STA.	30607	86+[illegible]66	14[illegible]446.0285	2,151,179.6638
P.O.T. STA. B/L SHIFT 15.00' LT.	30608	[illegible]19[illegible]	143,434.8336	2,151,169.6801
P.O.T. STA.	30608	[illegible]+19.66	143,434.8336	2,151,169.6801
P.C. STA.	9073	8[illegible]38.70	143,514.0641	2,151,080.8371
		48°1[illegible]3.81" W		
		[illegible]119.04'		
CURVE RJ-3		FULL SUPER = 5.90%		
P.C. STA.	[illegible]073	87+38.70	143,514.0641	2,151,080.8371
P.I. STA.	9[illegible]8	89+77.80	143,673.2042	2,150,902.3899
C.C. STA.	18481		143,913.9994	2,151,437.5011
P.T. STA.	9074	91+88.49	143,912.3033	2,150,901.6331
RADIUS:		535.87'		
DELTA:		48°05'30.96" RT.		
DEGREE OF CURVATURE (ARC):		10°41'31.53"		
LENGTH:		449.79'		
TANGENT:		239.10'		
CHORD:		436.70'		
MIDDLE ORDINATE:		46.50'		
EXTERNAL:		50.92'		
TANGENT DIRECTION:		N 48°16'23.81" W		
RADIAL DIRECTION:		N 41°43'36.19" E		
CHORD DIRECTION:		N 24°13'38.33" W		
RADIAL DIRECTION:		N 89°49'07.15" E		
TANGENT DIRECTION:		N 00°10'52.85" W		
P.T. STA.	9074	91+88.49	143,912.3033	2,150,901.6331
P.O.E. STA.	9070	97+34.20 B/L RAMP "J"=	144,458.0110	2,150,899.9059
P.O.C. STA.		94+40.74 C/L N.E. SERV. RD., 25.00' RT.		
TANGENTIAL DIRECTION:		N 00°10'52.85" W		
TANGENTIAL LENGTH:		545.71'		

B/L RAMP "L" (W.B. I-240 TO N.W. SERV. RD.)

V= 50 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RL-1		FULL SUPER = 3.50%		
P.C. STA./ P.O.B. STA.	8347	407+47.18 B/L RAMP "L"=	143,157.8333	2,148,764.1619
P.O.T. STA.		69+87.34 C/L N.W. SERV. RD., 25.00' LT.		
P.I. STA.	8346	410+21.25	143,160.4314	2,149,038.2199
C.C. STA.	8350		140,293.1730	2,148,791.3196
P.T. STA.	8351	412+93.66	143,111.0205	2,149,307.7994
RADIUS:		2,864.79'		
DELTA:		10°55'46.38" RT.		
DEGREE OF CURVATURE (ARC):		02°00'00.00"		
LENGTH:		546.48'		
TANGENT:		274.07'		
CHORD:		545.65'		
MIDDLE ORDINATE:		13.02'		
EXTERNAL:		13.08'		
TANGENT DIRECTION:		N 89°27'24.62" E		
RADIAL DIRECTION:		S 00°32'35.38" E		
CHORD DIRECTION:		S 85°04'42.19" E		
RADIAL DIRECTION:		S 10°23'11.00" W		
TANGENT DIRECTION:		S 79°36'49.00" E		
P.T. STA.	8351	412+93.66	143,111.0205	2,149,307.7994
P.O.T. STA.	1022	413+80.99 B/L RAMP "L"=	143,095.2755	2,149,393.7022
P.O.C. STA.		104+52.54 B/L RAMP "A"		
P.C. STA.	30041	417+75.78	143,024.1011	2,149,782.0208
TANGENTIAL DIRECTION:		S 79°36'49.00" E		
TANGENTIAL LENGTH:		482.12'		
CURVE RL-2		FULL SUPER = 3.50%		
P.C. STA.	30041	417+75.78	143,024.1011	2,149,782.0208
P.I. STA.	9040	420+47.90	142,975.0410	2,150,049.6862
C.C. STA.	8290		145,856.7028	2,150,301.2049
P.O.C. STA.	18041	422+18.37 B/L RAMP "L"=	142,978.0096	2,150,221.7688
P.O.C. STA.		418+46.11 B/L RAMP "M"		
P.O.C. STA.	18036	422+60.92 B/L RAMP "L"=	142,977.1501	2,150,264.3137
P.O.C. STA.		418+43.36 B/L RAMP "B"		
P.T. STA.	30042	423+18.42	142,976.9874	2,150,321.8037
RADIUS:		2,879.79'		
DELTA:		10°47'46.40" LT.		
DEGREE OF CURVATURE (ARC):		01°59'22.50"		
LENGTH:		542.64'		
TANGENT:		272.12'		
CHORD:		541.84'		
MIDDLE ORDINATE:		12.77'		
EXTERNAL:		12.83'		
TANGENT DIRECTION:		S 79°36'49.00" E		
RADIAL DIRECTION:		S 10°23'11.00" W		
CHORD DIRECTION:		S 85°00'42.20" E		
RADIAL DIRECTION:		S 00°24'35.40" E		
TANGENT DIRECTION:		N 89°35'24.60" E		
P.T. STA.	30042	423+18.42	142,976.9874	2,150,321.8037
P.O.E. STA.	30040	425+32.69 B/L RAMP "L"=	142,978.5201	2,150,536.0717
P.O.T. STA.		425+32.69 C.R.L. I-240, 81.00' RT.		
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		214.27'		

Preliminary Plans

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DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES

(SHEET 7 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R023

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

B/L RAMP "M" (S.B. I-35 TO S.W. SERV. RD.)

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RM-1		(V= 50) FULL SUPER = 6.00%		
P.C. STA./ P.O.B. STA.	8711	414+39.37 B/L RAMP "M"=	143,380.5701	2,150,242.9660
P.O.C. STA.		414+39.37 B/L RAMP "B", 15.00' LT.		
P.I. STA.	9908	417+38.73	143,093.2078	2,150,159.0625
C.C. STA.	8717		143,134.3230	2,151,086.3413
P.O.C. STA.	18041	418+46.11 B/L RAMP "M"=	142,978.0096	2,150,221.7688
P.O.C. STA.		422+18.37 B/L RAMP "L"		
P.O.C. STA.	31133	419+30.06 B/L RAMP "M"=	142,896.2341	2,150,240.6267
P.O.C. STA.		422+36.66 C.R.L. I-240		
P.T. STA.	8616	420+16.41	142,814.3990	2,150,268.0699
RADIUS:		878.59'		
DELTA:		37°37'51.34" LT.		
DEGREE OF CURVATURE (ARC):		06°31'16.81"		
LENGTH:		577.04'		
TANGENT:		299.36'		
CHORD:		566.73'		
MIDDLE ORDINATE:		46.95'		
EXTERNAL:		49.60'		
TANGENT DIRECTION:		S 16°16'35.94" W		
RADIAL DIRECTION:		N 73°43'24.06" W		
CHORD DIRECTION:		S 02°32'19.73" E		
RADIAL DIRECTION:		S 68°38'44.60" W		
TANGENT DIRECTION:		S 21°21'15.40" E		
P.T. STA.	8616	420+16.41	142,814.3990	2,150,268.0699
P.O.T. STA.	18039	422+57.84 B/L RAMP "M"=	142,589.5452	2,150,355.9821
P.O.C. STA.		424+15.75 B/L RAMP "G"		
P.C. STA.	8690	423+49.76	142,503.9361	2,150,389.4532
TANGENTIAL DIRECTION:		S 21°21'15.40" E		
TANGENTIAL LENGTH:		333.35'		
CURVE RM-2		FULL SUPER = 4.60%		
P.C. STA.	8690	423+49.76	142,503.9361	2,150,389.4532
P.I. STA.	8643	424+62.23	142,399.1921	2,150,430.4056
C.C. STA.	8691		143,025.5191	2,151,723.5091
P.T. STA.	8692	425+74.23	142,302.1229	2,150,487.2033
RADIUS:		1,432.39'		
DELTA:		08°58'43.64" LT.		
DEGREE OF CURVATURE (ARC):		04°00'00.00"		
LENGTH:		224.47'		
TANGENT:		112.47'		
CHORD:		224.24'		
MIDDLE ORDINATE:		4.39'		
EXTERNAL:		4.41'		
TANGENT DIRECTION:		S 21°21'15.40" E		
RADIAL DIRECTION:		S 68°38'44.60" W		
CHORD DIRECTION:		S 25°50'37.22" E		
RADIAL DIRECTION:		S 59°40'00.96" W		
TANGENT DIRECTION:		S 30°19'59.04" E		
P.T. STA.	8692	425+74.23	142,302.1229	2,150,487.2033
P.O.T. STA.	18975	426+70.07	142,219.4030	2,150,535.6050
TANGENTIAL DIRECTION:		S 30°19'59.04" E		
TANGENTIAL LENGTH:		95.84'		
P.O.T. STA.	18975	426+70.07	142,219.4030	2,150,535.6050
P.O.T. STA. B/L SHIFT 15.00' LT.	18976	426+70.07	142,226.9784	2,150,548.5516
P.O.T. STA.	18976	426+70.07	142,226.9784	2,150,548.5516
P.C. STA.	8619	428+66.98	142,057.0219	2,150,647.9978
TANGENTIAL DIRECTION:		S 30°19'59.04" E		
TANGENTIAL LENGTH:		196.91'		

B/L RAMP "M" (S.B. I-35 TO S.W. SERV. RD., CONT'D.)

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RM-3		FULL SUPER = 5.90%		
P.C. STA.	8619	428+66.98	142,057.0219	2,150,647.9978
P.I. STA.	9909	430+57.76	141,892.3618	2,150,744.3449
C.C. STA.	8683		141,695.3239	2,150,029.8449
P.T. STA.	8684	432+39.88	141,701.5925	2,150,746.0147
RADIUS:		716.20'		
DELTA:		29°49'53.63" RT.		
DEGREE OF CURVATURE (ARC):		08°00'00.00"		
LENGTH:		372.89'		
TANGENT:		190.78'		
CHORD:		368.7'		
MIDDLE ORDINATE:		24.13'		
EXTERNAL:		24.97'		
TANGENT DIRECTION:		S 30°19'59.04" E		
RADIAL DIRECTION:		S 59°40'00.96" W		
CHORD DIRECTION:		S 15°25'02.22" E		
RADIAL DIRECTION:		S 89°29'54.60" W		
TANGENT DIRECTION:		S 00°30'05.40" E		
P.T. STA.	8684	432+39.88	141,70[illegible]925	150[illegible]46.01[illegible]7
P.O.E. STA.	8743	435+39.70 B/L RAMP "M"=	141,[illegible]7775	2,150,[illegible]6390
P.O.T. STA.		63+83.28 C/L S.W. SERV. RD., 25.00' R[illegible]		
TANGENTIAL DIRECTION:		S 00°30'05.40" E		
TANGENTIAL LENGTH:		299.83'		

B/L RAMP "N"

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	6060	467+58.71 B/L RAMP "N"=	142,878.9775	2,154,762.5354
P.O.C. STA.		467+58.71 C.R.L. I-240, 47.00' LT.		
P.C. STA.	6062	472+14.00	142,844.6625	2,155,216.5268
TANGENTIAL DIRECTION:		S 85°40'39.05" E		
TANGENTIAL LENGTH:		455.29'		
CURVE RN-1		FULL SUPER = 4.90%		
P.C. STA.	6062	472+14.00	142,844.6625	2,155,216.5268
P.I. STA.	6065	474+83.62	142,824.3409	2,155,485.3843
C.C. STA.	6063		141,575.0444	2,155,120.5627
P.T. STA.	6064	477+45.40	142,696.7823	2,155,722.9270
RADIUS:		1,273.24'		
DELTA:		23°54'46.65" RT.		
DEGREE OF CURVATURE (ARC):		04°30'00.00"		
LENGTH:		531.40'		
TANGENT:		269.62'		
CHORD:		527.55'		
MIDDLE ORDINATE:		27.62'		
EXTERNAL:		28.24'		
TANGENT DIRECTION:		S 85°40'39.05" E		
RADIAL DIRECTION:		S 04°19'20.95" W		
CHORD DIRECTION:		S 73°43'15.66" E		
RADIAL DIRECTION:		S 28°14'07.60" W		
TANGENT DIRECTION:		S 61°45'52.40" E		
P.T. STA.	6064	477+45.40	142,696.7823	2,155,722.9270
P.C. STA.	6066	479+86.78	142,582.5865	2,155,935.5854
TANGENTIAL DIRECTION:		S 61°45'52.40" E		
TANGENTIAL LENGTH:		241.38'		

B/L RAMP "N" (CONT'D.)

V= 45 M.P.H., e Max= 6.00%

	POINT	STATION	NORTHING	EASTING
CURVE RN-2		FULL SUPER = N.C.		
P.C. STA.	6066	479+86.78	142,582.5865	2,155,935.5854
P.I. STA.	6067	481+38.99	142,510.5742	2,156,069.6885
C.C. STA.	6068		143,111.1930	2,156,219.4430
P.T. STA./ P.O.E. STA.	6069	482+84.92 B/L RAMP "N"=	142,511.1981	2,156,221.9021
P.O.T. STA.		482+23.41 C.R.L. I-240, 399.94' LT.		
RADIUS:		600.00'		
DELTA:		28°28'13.00" LT.		
DEGREE OF CURVATURE (ARC):		09°32'57.47"		
LENGTH:		298.14'		
TANGENT:		152.21'		
CHORD:		295.08'		
MIDDLE ORDINATE:		18.42'		
EXTERNAL:		19.01'		
TANGENT DIRECTION:		S 61°45'52.40" E		
RADIAL DIRECTION:		S 28°14'07.60" W		
CHORD DIRECTION:		S 75°59'58.90" E		
RADIAL DIRECTION:		S 00°14'05.40" E		
TANGENT DIRECTION:		N 89°45'54.60" E		

C/L E.N.E. SERV. RD.

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
CURVE ENE-1		FULL SUPER = N.C.		
P.C. STA./ P.O.B. STA.	18405	42+25.27 C/L E.N.E. SERV. RD.=	143,033.3536	2,155,185.8491
P.O.C. STA.		471+81.11 C.R.L. I-240, 109.24' RT.		
P.I. STA.	18438	42+53.92	143,032.5759	2,155,157.2128
C.C. STA.	18404		145,897.0867	2,155,108.0753
P.T. STA.	18403	42+82.56	143,032.3709	2,155,128.5668
RADIUS:		2,864.79'		
DELTA:		01°08'45.00" RT.		
DEGREE OF CURVATURE (ARC):		02°00'00.00"		
LENGTH:		57.29'		
TANGENT:		28.65'		
CHORD:		57.29'		
MIDDLE ORDINATE:		0.14'		
EXTERNAL:		0.14'		
TANGENT DIRECTION:		S 88°26'39.60" W		
RADIAL DIRECTION:		N 01°33'20.40" W		
CHORD DIRECTION:		S 89°01'02.10" W		
RADIAL DIRECTION:		N 00°24'35.40" W		
TANGENT DIRECTION:		S 89°35'24.60" W		
P.T. STA.	18403	42+82.56	143,032.3709	2,155,128.5668
P.C. STA.	18402	53+16.41	143,024.9760	2,154,094.7478
TANGENTIAL DIRECTION:		S 89°35'24.60" W		
TANGENTIAL LENGTH:		1,033.85'		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES (SHEET 8 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R024

5/27/2022 9:54:25 AM
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POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				
REVISIONS					
DESCRIPTION					DATE
5/27/2022					

C/L E.N.E. SERV. RD. (CONT'D.)

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
CURVE ENE-2		FULL SUPER = 3.80%		
P.C. STA.	18402	53+16.41	143,024.9760	2,154,094.7478
P.O.C. STA.	31363	53+20.81 C/L E.N.E. SERV. RD.=	143,024.9496	2,154,090.3445
P.O.T. STA.		15+98.32 A.T. & S.F. R.R. S.T.		
P.O.C. STA.	31360	54+56.04 C/L E.N.E. SERV. RD.=	143,029.0799	2,153,955.2100
P.O.T. STA.		20563+49.27 A.T. & S.F. R.R. M.T.		
P.I. STA.	18437	55+98.70	143,022.9568	2,153,812.4625
C.C. STA.	18401		144,934.7864	2,154,081.0868
P.T. STA.	18400	58+76.93	143,102.6879	2,153,541.6635
RADIUS:		1,909.86'		
DELTA:		16°48'56.88" RT.		
DEGREE OF CURVATURE (ARC):		03°00'00.00"		
LENGTH:		560.53'		
TANGENT:		282.29'		
CHORD:		558.52'		
MIDDLE ORDINATE:		20.53'		
EXTERNAL:		20.75'		
TANGENT DIRECTION:		S 89°35'24.60" W		
RADIAL DIRECTION:		N 00°24'35.40" W		
CHORD DIRECTION:		N 82°00'06.95" W		
RADIAL DIRECTION:		N 16°24'21.49" E		
TANGENT DIRECTION:		N 73°35'38.51" W		
P.T. STA.	18400	58+76.93	143,102.6879	2,153,541.6635
P.C. STA.	3581	59+82.86	143,132.6066	2,153,440.0475
TANGENTIAL DIRECTION:		N 73°35'38.51" W		
TANGENTIAL LENGTH:		105.93'		
CURVE ENE-3		FULL SUPER = 4.70%		
P.C. STA.	3581	59+82.86	143,132.6066	2,153,440.0475
P.I. STA.	18436	63+63.40	143,240.0874	2,153,074.9996
C.C. STA.	3579		141,758.5327	2,153,035.4800
P.T. STA.	3578	67+26.76	143,152.2205	2,152,704.7409
P.O.C. STA.		63+91.25 E.N.E. SERV RD.=		
P.O.E. STA.	13969	68+42.40 C/L POLE RD.	143,190.9261	2,153,037.2370
RADIUS:		1,432.39'		
DELTA:		29°45'21.60" LT.		
DEGREE OF CURVATURE (ARC):		04°00'00.00"		
LENGTH:		743.90'		
TANGENT:		380.54'		
CHORD:		735.57'		
MIDDLE ORDINATE:		48.02'		
EXTERNAL:		49.69'		
TANGENT DIRECTION:		N 73°35'38.51" W		
RADIAL DIRECTION:		N 16°24'21.49" E		
CHORD DIRECTION:		N 88°28'19.31" W		
RADIAL DIRECTION:		N 13°21'00.11" W		
TANGENT DIRECTION:		S 76°38'59.89" W		
P.T. STA.	3578	67+26.76	143,152.2205	2,152,704.7409
P.C. STA.	8662	69+89.93	143,091.4547	2,152,448.6825
TANGENTIAL DIRECTION:		S 76°38'59.89" W		
TANGENTIAL LENGTH:		263.17'		
CURVE ENE-4		FULL SUPER = 6.00%		
P.C. STA.	8662	69+89.93	143,091.4547	2,152,448.6825
P.I. STA.	9912	70+98.23	143,066.4493	2,152,343.3132
C.C. STA.	8388		144,020.5799	2,152,228.1898
P.T. STA.	8660	72+05.60	143,065.6747	2,152,235.0202
RADIUS:		954.93'		
DELTA:		12°56'24.72" RT.		
DEGREE OF CURVATURE (ARC):		06°00'00.00"		
LENGTH:		215.67'		
TANGENT:		108.30'		
CHORD:		215.21'		
MIDDLE ORDINATE:		6.08'		
EXTERNAL:		6.12'		
TANGENT DIRECTION:		S 76°38'59.89" W		
RADIAL DIRECTION:		N 13°21'00.11" W		
CHORD DIRECTION:		S 83°07'12.25" W		
RADIAL DIRECTION:		N 00°24'35.40" W		
TANGENT DIRECTION:		S 89°35'24.60" W		

C/L E.N.E. SERV. RD. (CONT'D.)

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.T. STA.	8660	72+05.60	143,065.6747	2,152,235.0202
P.C. STA.	9190	74+46.23	143,063.9535	2,151,994.3963
TANGENTIAL DIRECTION:		S 89°35'24.60" W		
TANGENTIAL LENGTH:		240.63'		
CURVE ENE-5		FULL SUPER = N.C.		
P.C. STA.	9190	74+46.23	143,063.9535	2,151,994.3963
P.I. STA.	9913	74+66.65	143,063.8075	2,151,973.9818
C.C. STA.	9191		143,088.9528	2,151,994.2174
P.T. STA.	9192	74+80.47	143,083.7808	2,151,969.7583
RADIUS:		25.00'		
DELTA:		78°28'12.78" RT.		
DEGREE OF CURVATURE (ARC):		229°10'59.23"		
LENGTH:		34.24'		
TANGENT:		20.42'		
CHORD:		31.63'		
MIDDLE ORDINATE:		5.64'		
EXTERNAL:		7.28'		
TANGENT DIRECTION:		S 89°35'24.60" W		
RADIAL DIRECTION:		N 00°24'35.40" W		
CHORD DIRECTION:		N 51°10'29.01" W		
RADIAL DIRECTION:		N 78°03'37.38" E		
TANGENT DIRECTION:		N 11°56'22.62" W		
P.T. STA.	9192	74+80.47	143,083.7808	2,151,969.7583
P.O.E. STA.	9188	76+60.00 C/L E.N.E. SERV. RD.=	143,25[illegible]	2,151,[illegible]
P.O.T. STA.		439+31.21 C.R.L. I-240, 351.91' RT.		
TANGENTIAL DIRECTION:		N 11°56'22.62" W		
TANGENTIAL LENGTH:		179.53'		

C/L N.N.E. SERV. RD.

V= [illegible] M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	30412	[illegible]00 C/L N.N.E. SERV. RD.=	143,935.7003	2,151,174.6197
P.O.T. STA.		89+15.93 C/L I-35, 355.50' LT.		
P.C. STA.	[illegible]69	88+75.52	143,926.3855	2,150,999.3467
TANGENTIAL DIRECTION:		S 86°57'28.51" W		
TANGENTIAL LENGTH:		175.52'		
CURVE NNE-1		FULL SUPER = N.C.		
P.C. STA.	9169	88+75.52	143,926.3855	2,150,999.3467
P.I. STA.	9914	89+29.12	143,923.5409	2,150,945.8194
C.C. STA.	9166		143,979.3109	2,150,996.5340
P.T. STA.	9164	89+59.37	143,977.0970	2,150,943.5803
RADIUS:		53.00'		
DELTA:		90°38'52.92" RT.		
DEGREE OF CURVATURE (ARC):		108°06'18.88"		
LENGTH:		83.85'		
TANGENT:		53.60'		
CHORD:		75.38'		
MIDDLE ORDINATE:		15.74'		
EXTERNAL:		22.38'		
TANGENT DIRECTION:		S 86°57'28.51" W		
RADIAL DIRECTION:		N 03°02'31.49" W		
CHORD DIRECTION:		N 47°43'05.03" W		
RADIAL DIRECTION:		N 87°36'21.43" E		
TANGENT DIRECTION:		N 02°23'38.57" W		
P.T. STA.	9164	89+59.37	143,977.0970	2,150,943.5803
P.C. STA.	9042	93+66.49	144,383.8548	2,150,926.5744
TANGENTIAL DIRECTION:		N 02°23'38.57" W		
TANGENTIAL LENGTH:		407.11'		
CURVE NNE-2		FULL SUPER = 3.80%		
P.C. STA.	9042	93+66.49	144,383.8548	2,150,926.5744
P.I. STA.	9915	94+65.10	144,482.3802	2,150,922.4553
C.C. STA.	3161		144,464.1762	2,152,847.7554
P.T. STA.	9041	95+63.54	144,580.8100	2,150,928.4367

C/L N.N.E. SERV. RD. (CONT'D.)

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
RADIUS:		1,922.86'		
DELTA:		05°52'17.54" RT.		
DEGREE OF CURVATURE (ARC):		02°58'46.98"		
LENGTH:		197.05'		
TANGENT:		98.61'		
CHORD:		196.96'		
MIDDLE ORDINATE:		2.52'		
EXTERNAL:		2.53'		
TANGENT DIRECTION:		N 02°23'38.57" W		
RADIAL DIRECTION:		N 87°36'21.43" E		
CHORD DIRECTION:		N 00°32'30.20" E		
RADIAL DIRECTION:		S 86°31'21.03" E		
TANGENT DIRECTION:		N 03°28'38.97" E		
P.T. STA.	9041	95+63.54	144,580.8100	2,150,928.4367
P.C. STA.	7720	97+36.16	144,753.1170	2,150,938.9075
TANGENTIAL DIRECTION:		N 03°28'38.97" E		
TANGENTIAL LENGTH:		172.62'		
CURVE NNE-3		FULL SUPER = N.A.		
P.C. STA.	7720	97+36.16	144,753.1170	2,150,938.9075
P.I. STA.	9916	97+99.45	144,816.2861	2,150,942.7462
C.C. STA.	3164		144,868.1738	2,149,045.5409
P.T. STA.	7721	98+62.68	144,879.5706	2,150,942.3659
RADIUS:		1,896.86'		
DELTA:		03°49'18.27" LT.		
DEGREE OF CURVATURE (ARC):		03°01'14.02"		
LENGTH:		126.52'		
TANGENT:		63.29'		
CHORD:		126.50'		
MIDDLE ORDINATE:		1.05'		
EXTERNAL:		1.06'		
TANGENT DIRECTION:		N 03°28'38.97" E		
RADIAL DIRECTION:		S 86°31'21.03" E		
CHORD DIRECTION:		N 01°33'59.84" E		
RADIAL DIRECTION:		N 89°39'20.70" E		
TANGENT DIRECTION:		N 00°20'39.30" W		
P.T. STA.	7721	98+62.68	144,879.5706	2,150,942.3659
P.C. STA.	7690	102+48.85	145,265.7300	2,150,940.0457
TANGENTIAL DIRECTION:		N 00°20'39.30" W		
TANGENTIAL LENGTH:		386.17'		
CURVE NNE-4		FULL SUPER = N.A.		
P.C. STA.	7690	102+48.85	145,265.7300	2,150,940.0457
P.I. STA.	9917	103+08.79	145,325.6699	2,150,939.6856
C.C. STA.	7691		145,277.2050	2,152,849.8706
P.T. STA./ P.O.E. STA.	7692	103+68.69 C/L N.N.E. SERV. RD.=	145,385.5144	2,150,943.0849
P.T. STA.		103+65.55 C/L I-35, 132.76' LT.		
RADIUS:		1,909.86'		
DELTA:		03°35'43.00" RT.		
DEGREE OF CURVATURE (ARC):		03°00'00.00"		
LENGTH:		119.84'		
TANGENT:		59.94'		
CHORD:		119.82'		
MIDDLE ORDINATE:		0.94'		
EXTERNAL:		0.94'		
TANGENT DIRECTION:		N 00°20'39.30" W		
RADIAL DIRECTION:		N 89°39'20.70" E		
CHORD DIRECTION:		N 01°27'12.20" E		
RADIAL DIRECTION:		S 86°44'56.30" E		
TANGENT DIRECTION:		N 03°15'03.70" E		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES

(SHEET 9 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R025

5/27/2022 9:54:34 AM
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POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	

C/L N.W. SERV. RD.

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	6728	55+27.59 C/L N.W. SERV. RD.=	143,204.3943	2,147,304.4828
P.O.T. STA.		149+12.90 C/L S. SHIELDS BLVD.=		
P.O.T. STA.		392+97.89 C.R.L. I-240, 144.40' RT.		
P.C. STA.	6732	65+52.04	143,180.2685	2,148,328.6447
TANGENTIAL DIRECTION:		S 88°39'01.99" E		
TANGENTIAL LENGTH:		1,024.45'		
CURVE NW-1		FULL SUPER = 2.70%		
P.C. STA.	6732	65+52.04	143,180.2685	2,148,328.6447
P.I. STA.	9025	65+99.36	143,179.1541	2,148,375.9511
C.C. STA.	6731		146,044.2629	2,148,396.1109
P.T. STA.	6730	66+46.67	143,179.6027	2,148,423.2686
RADIUS:		2,864.79'		
DELTA:		01°53'33.39" LT.		
DEGREE OF CURVATURE (ARC):		02°00'00.00"		
LENGTH:		94.63'		
TANGENT:		47.32'		
CHORD:		94.63'		
MIDDLE ORDINATE:		0.39'		
EXTERNAL:		0.39'		
TANGENT DIRECTION:		S 88°39'01.99" E		
RADIAL DIRECTION:		S 01°20'58.01" W		
CHORD DIRECTION:		S 89°35'48.68" E		
RADIAL DIRECTION:		S 00°32'35.38" E		
TANGENT DIRECTION:		N 89°27'24.62" E		
P.T. STA.	6730	66+46.67	143,179.6027	2,148,423.2686
P.C. STA.	9026	72+69.02	143,185.5025	2,149,045.5948
TANGENTIAL DIRECTION:		N 89°27'24.62" E		
TANGENTIAL LENGTH:		622.35'		
CURVE NW-2		FULL SUPER = 4.70%		
P.C. STA.	9026	72+69.02	143,185.5025	2,149,045.5948
P.I. STA.	9924	78+36.69	143,190.8839	2,149,613.2408
C.C. STA.	9027		144,617.8326	2,149,032.0160
P.T. STA.	9028	83+49.97	143,583.6575	2,150,023.0941
RADIUS:		1,432.39'		
DELTA:		43°14'16.00" LT.		
DEGREE OF CURVATURE (ARC):		04°00'00.00"		
LENGTH:		1,080.94'		
TANGENT:		567.67'		
CHORD:		1,055.48'		
MIDDLE ORDINATE:		100.76'		
EXTERNAL:		108.39'		
TANGENT DIRECTION:		N 89°27'24.62" E		
RADIAL DIRECTION:		S 00°32'35.38" E		
CHORD DIRECTION:		N 67°50'16.62" E		
RADIAL DIRECTION:		S 43°46'51.38" E		
TANGENT DIRECTION:		N 46°13'08.62" E		
P.T. STA.	9028	83+49.97	143,583.6575	2,150,023.0941
P.C. STA.	9029	86+55.00	143,794.7148	2,150,243.3293
TANGENTIAL DIRECTION:		N 46°13'08.62" E		
TANGENTIAL LENGTH:		305.04'		
CURVE NW-3		FULL SUPER = 4.70%		
P.C. STA.	9029	86+55.00	143,794.7148	2,150,243.3293
P.I. STA.	9925	92+71.35	144,221.1645	2,150,688.3231
C.C. STA.	9030		144,828.8900	2,149,252.2512
P.T. STA.	9031	98+19.09	144,837.4964	2,150,684.6199
RADIUS:		1,432.39'		
DELTA:		46°33'47.95" LT.		
DEGREE OF CURVATURE (ARC):		04°00'00.00"		
LENGTH:		1,164.08'		
TANGENT:		616.34'		
CHORD:		1132.31'		
MIDDLE ORDINATE:		116.64'		
EXTERNAL:		126.97'		
TANGENT DIRECTION:		N 46°13'08.62" E		
RADIAL DIRECTION:		S 43°46'51.38" E		
CHORD DIRECTION:		N 22°56'14.64" E		
RADIAL DIRECTION:		N 89°39'20.67" E		
TANGENT DIRECTION:		N 00°20'39.33" W		

C/L N.W. SERV. RD. (CONT'D.)

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.T. STA.	9031	98+19.09	144,837.4964	2,150,684.6199
P.O.E. STA.	9094	106+20.18 C/L N.W. SERV. RD.=	145,638.5743	2,150,679.8066
P.O.T. STA.		106+20.18 C/L I-35, 129.00' RT.		
TANGENTIAL DIRECTION:		N 00°20'39.33" W		
TANGENTIAL LENGTH:		801.09'		

C/L S.E. SERV. RD.

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	7729	55+00.00 C/L S.E. SERV. RD.=	140,518.0042	2,151,024.0136
P.O.T. STA.		54+97.14 C/L I-35, 177.63' LT.		
P.C. STA.	8792	62+27.40	141,243.2273	2,151,080.2890
TANGENTIAL DIRECTION:		N 04°26'13.60" E		
TANGENTIAL LENGTH:		727.40'		
CURVE SE-1		FULL SUPER = 6.00%		
P.C. STA.	8792	62+27.40	141,243.2273	2,151,080.289[illegible]
P.I. STA.	9910	64+70.65	141,485.7480	2,151,[illegible]1080
C.C. STA.	8793		141,169.[illegible]94	2,1[illegible]032.[illegible]56
P.T. STA.	8826	67+03.77	141,689.7[illegible]	2,[illegible]1,23[illegible]
RADIUS:		954.93'		
DELTA:		28°34'55.58" RT.		
DEGREE OF CURVATURE (ARC):		06°00'00.00"		
LENGTH:		476.37'		
TANGENT:		243.25'		
CHORD:		471.44'		
MIDDLE ORDINATE:		29[illegible]		
EXTERNAL:		30.49[illegible]		
TANGENT DIRECTION:		N[illegible]°26'13.60[illegible]		
RADIAL DIRECTION:		S 8[illegible]33'46.40" E		
CHORD DIRECTION:		N 18[illegible]41.39" E		
RADIAL DIRECTION:		56°5[illegible]50.82" E		
TANGENT DIRECTION:		N 33°01'09.18" E		
P.T. STA.	8826	67+03.77	141,689.7100	2,151,231.6597
P.C. STA.	[illegible]27	75+26.82	142,379.8220	2,151,680.1528
TANGENTIAL DIRECTION:		N 33°01'09.18" E		
TANGENTIAL LENGTH:		823.04'		
CURVE SE-[illegible]		FULL SUPER = 6.30%		
P.C. STA.	8827	75+26.82	142,379.8220	2,151,680.1528
P.I. STA.	9911	80+01.15	142,777.5473	2,151,938.6283
C.C. STA.	8790		141,899.4892	2,152,419.2576
P.T. STA.	8791	83+97.14	142,780.9401	2,152,412.9526
RADIUS:		881.47'		
DELTA:		56°34'15.42" RT.		
DEGREE OF CURVATURE (ARC):		06°30'00.00"		
LENGTH:		870.32'		
TANGENT:		474.34'		
CHORD:		835.40'		
MIDDLE ORDINATE:		105.25'		
EXTERNAL:		119.52'		
TANGENT DIRECTION:		N 33°01'09.18" E		
RADIAL DIRECTION:		S 56°58'50.82" E		
CHORD DIRECTION:		N 61°18'16.89" E		
RADIAL DIRECTION:		S 00°24'35.40" E		
TANGENT DIRECTION:		N 89°35'24.60" E		
P.T. STA.	8791	83+97.14	142,780.9401	2,152,412.9526
P.C. STA.	3567	85+26.59	142,781.8661	2,152,542.4008
TANGENTIAL DIRECTION:		N 89°35'24.60" E		
TANGENTIAL LENGTH:		129.45'		
CURVE SE-3		FULL SUPER = 5.60%		
P.C. STA.	3567	85+26.59	142,781.8661	2,152,542.4008
P.I. STA.	3574	88+33.64	142,784.0623	2,152,849.4401
C.C. STA.	3568		141,635.9798	2,152,550.5974
P.O.C. STA.		90+41.49 C/L S.E. SERV. RD.=		
P.O.B. STA.	13968	63+23.14 C/L POLE RD.	142,671.6803	2,153,040.9512
P.T. STA.	3572	91+26.59	142,632.4447	2,153,116.4421

C/L S.E. SERV. RD. (CONT'D.)

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
RADIUS:		1,145.92'		
DELTA:		30°00'00.00" RT.		
DEGREE OF CURVATURE (ARC):		05°00'00.00"		
LENGTH:		600.00'		
TANGEN[illegible]		307.05'		
CHORD[illegible]		593.17'		
[illegible]E ORDINATE		39.05'		
EXTE[illegible]NAL:		40.42'		
TANGE[illegible]T DIRECTION:		N 89°35'24.60" E		
RADIAL DIRECTION:		S 00°24'35.40" E		
[illegible]HORD DIRECTION:		S 75°24'35.40" E		
RADIAL DIRECTION:		S 29°35'24.60" W		
TANGENT DIRECTION:		S 60°24'35.40" E		
P.T. STA.	3572	91+26.59	142,632.4447	2,153,116.4421
P.C. STA.	1044	97+33.78	142,332.6187	2,153,644.4423
TANGENTIAL DIRECTION:		S 60°24'35.40" E		
TANGENTIAL LENGTH:		607.19'		
CURVE SE-4		FULL SUPER = N.A.		
P.C. STA.	1044	97+33.78	142,332.6187	2,153,644.4423
P.I. STA.	1045	98+39.63	142,280.3501	2,153,736.4884
C.C. STA.	1046		142,202.1817	2,153,570.3734
P.T. STA./ P.O.E. STA.	1047	99+18.14 C/L E.N.E. SERV. RD.=	142,176.1100	2,153,718.0902
P.O.T. STA		457+08.89 C.R.L. I-240, 744.15' LT.		
RADIUS:		150.00'		
DELTA:		70°25'09.54" RT.		
DEGREE OF CURVATURE (ARC):		38°11'49.87"		
LENGTH:		184.36'		
TANGENT:		105.85'		
CHORD:		172.97'		
MIDDLE ORDINATE:		27.44'		
EXTERNAL:		33.59'		
TANGENT DIRECTION:		S 60°24'35.40" E		
RADIAL DIRECTION:		S 29°35'24.60" W		
CHORD DIRECTION:		S 25°12'00.63" E		
RADIAL DIRECTION:		N 79°59'25.86" W		
TANGENT DIRECTION:		S 10°00'34.14" W		

C/L POLE RD.

V= N.A. M.P.H., e Max= N.A.

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	13968	63+23.14 C/L POLE RD.=	142,671.6803	2,153,040.9512
P.O.C. STA.		90+41.49 C/L S.E. SERV. RD.		
P.O.C. STA.		63+91.25 C/L E.N.E SERV. RD.=		
P.O.E. STA.	13969	68+42.40 C/L POLE RD.	143,190.9261	2,153,037.2370
TANGENTIAL DIRECTION:		N 00°24'35.40" W		
TANGENTIAL LENGTH:		519.26'		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES (SHEET 10 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R026

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

C/L S.W. SERV. RD.

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	9712	54+39.73 C/L S.W. SERV. RD.=	140,458.9682	2,150,690.7987
P.O.T. STA.		54+41.03 C/L I-35, 156.09' RT.		
P.C. STA.	18339	59+68.56	140,986.9378	2,150,721.0382
TANGENTIAL DIRECTION:		N 03°16'40.93" E		
TANGENTIAL LENGTH:		528.83'		
CURVE SW-1		FULL SUPER = 2.70%		
P.C. STA.	18339	59+68.56	140,986.9378	2,150,721.0382
P.I. STA.	9918	60+63.09	141,081.3058	2,150,726.4431
C.C. STA.	18336		141,150.7502	2,147,860.9365
P.T. STA.	18338	61+57.54	141,175.8249	2,150,725.6158
RADIUS:		2,864.79'		
DELTA:		03°46'46.33" LT.		
DEGREE OF CURVATURE (ARC):		02°00'00.00"		
LENGTH:		188.98'		
TANGENT:		94.52'		
CHORD:		188.94'		
MIDDLE ORDINATE:		1.56'		
EXTERNAL:		1.56'		
TANGENT DIRECTION:		N 03°16'40.93" E		
RADIAL DIRECTION:		S 86°43'19.07" E		
CHORD DIRECTION:		N 01°23'17.77" E		
RADIAL DIRECTION:		N 89°29'54.60" E		
TANGENT DIRECTION:		N 00°30'05.40" W		
P.T. STA.	18338	61+57.54	141,175.8249	2,150,725.6158
P.I. STA.	8744	63+83.28	141,401.5586	2,150,723.6399
TANGENTIAL DIRECTION:		N 00°30'05.40" W		
TANGENTIAL LENGTH:		225.74'		
P.I. STA.	8744	63+83.28	141,401.5586	2,150,723.6399
P.C. STA.	18745	66+92.82	141,710.9637	2,150,714.7420
TANGENTIAL DIRECTION:		N 01°38'50.15" W		
TANGENTIAL LENGTH:		309.53'		
CURVE SW-2		FULL SUPER = 8.00%		
P.C. STA.	18745	66+92.82	141,710.9637	2,150,714.742[illegible]
P.I. STA.	9919	68+40.42	141,858.5099	2,150,710.4989
C.C. STA.	18799		141,697.2384	2,150,237.4745
P.T. STA.	18089	69+79.13	141,977.9191	2,150,6[illegible]
RADIUS:		477.46'		
DELTA:		34°21'27.96" LT.		
DEGREE OF CURVATURE (ARC):		12°00'00.00"		
LENGTH:		286.31'		
TANGENT:		147.61'		
CHORD:		282.04'		
MIDDLE ORDINATE:		21.30'		
EXTERNAL:		22.30'		
TANGENT DIRECTION:		N 01°38'50.15" W		
RADIAL DIRECTION:		N 88°21'09.85" E		
CHORD DIRECTION:		N 18°49'34.13" W		
RADIAL DIRECTION:		N 53°59'41.90" E		
TANGENT DIRECTION:		N 36°00'18.10" W		
P.T. STA.	18089	69+79.13	141,977.9191	2,150,623.7270
P.C. STA.	8697	76+14.77	142,492.1321	2,150,250.0605
TANGENTIAL DIRECTION:		N 36°00'18.10" W		
TANGENTIAL LENGTH:		635.64'		
CURVE SW-3		FULL SUPER = 7.00%		
P.C. STA.	8697	76+14.77	142,492.1321	2,150,250.0605
P.I. STA.	9920	79+10.37	142,731.2623	2,150,076.2901
C.C. STA.	8693		142,071.1111	2,149,670.6817
P.T. STA.	8689	81+75.47	142,778.2156	2,149,784.4430

C/L S.W. SERV. RD. (CONT'D.)

V= 40 M.P.H., e Max= 8.00%

	POINT	STATION	NORTHING	EASTING
RADIUS:		716.20'		
DELTA:		44°51'19.28" LT.		
DEGREE OF CURVATURE (ARC):		08°00'00.00"		
LENGTH:		560.69'		
TANGENT:		295.60'		
CHORD:		546.48'		
MIDDLE ORDINATE:		54.17'		
EXTERNAL:		58.6'		
TANGENT DIRECTION:		N 36°00'18.10" W		
RADIAL DIRECTION:		N 53°59'41.90" E		
CHORD DIRECTION:		N 58°25'57.74" W		
RADIAL DIRECTION:		N 09°08'22.62" E		
TANGENT DIRECTION:		N 80°51'37.38" W		
P.T. STA.	8689	81+75.47	142,778.2156	2,149,784.443[illegible]
P.C. STA.	8688	84+26.68	142,818.1188	2,149,536.4175
TANGENTIAL DIRECTION:		N 80°51'37.38" W		
TANGENTIAL LENGTH:		251.21'		
CURVE SW-4		FULL SUPER = 2.70%		
P.C. STA.	8688	84+26.68	142,8[illegible]1188	2,149,[illegible]4175
P.I. STA.	9921	85+06.30	[illegible]630.7654	2,[illegible]9,457.8102
C.C. STA.	8687		[illegible]39,989.7005	2,149,081.3722
P.T. STA.	8658	85+85.88	[illegible]7,839.0265	2,149,378.6219
RADIUS:		2,86[illegible]79'		
DELTA:		03°[illegible]02.[illegible] LT.		
DEGREE OF CURVATURE (ARC):		[illegible]°00'00.00		
LENGTH:		[illegible]59.20'		
TANGENT:		[illegible]9.62'		
CHORD:		13[illegible]17'		
MIDDLE ORDINATE:		1.11'		
EXTERNAL:		1.11'		
TANGENT DIRECTION:		N 80°51'37.38" W		
RADIAL DIRECTION:		N 09°08'22.62" E		
CHORD DIRECTION:		N 82°27'08.41" W		
RADIAL DIRECTION:		N 05°57'20.57" E		
TANGENT DIRECTION:		N 84°02'39.43" W		
P.T. STA.	8658	85+85.88	142,839.0265	2,149,378.6219
P.C. STA.	6698	95+82.78	142,942.4647	2,148,387.1017
TANGENTIAL DIRECTION:		N 84°02'39.43" W		
TANGENTIAL LENGTH:		996.90'		
CURVE SW-5		FULL SUPER = 3.70%		
P.C. STA.	6698	95+82.78	142,942.4647	2,148,387.1017
P.I. STA.	9024	97+21.32	142,956.8398	2,148,249.3069
C.C. STA.	6699		141,042.9141	2,148,188.9352
P.T. STA.	6700	98+59.38	142,951.1777	2,148,110.8801
RADIUS:		1,909.86'		
DELTA:		08°17'52.86" LT.		
DEGREE OF CURVATURE (ARC):		03°00'00.00"		
LENGTH:		276.60'		
TANGENT:		138.54'		
CHORD:		276.36'		
MIDDLE ORDINATE:		5.01'		
EXTERNAL:		5.02'		
TANGENT DIRECTION:		N 84°02'39.43" W		
RADIAL DIRECTION:		N 05°57'20.57" E		
CHORD DIRECTION:		N 88°11'35.86" W		
RADIAL DIRECTION:		N 02°20'32.30" W		
TANGENT DIRECTION:		S 87°39'27.70" W		
P.T. STA.	6700	98+59.38	142,951.1777	2,148,110.8801
P.O.E. STA.	6761	105+73.65 C/L S.W. SERV. RD.=	142,921.9857	2,147,397.2056
P.O.T. STA.		146+15.65 C/L S. SHIELDS BLVD.=		
P.O.T. STA.		393+87.93 C.R.L. I-240, 138.88' RT.		
TANGENTIAL DIRECTION:		S 87°39'27.70" W		
TANGENTIAL LENGTH:		714.27'		

C/L CROSSROADS MALL DR.

V= N.A., e Max= N.A.

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	13205	30+00.00	143,795.7702	2,152,133.9465
P.O.T. STA.		31+66.03 C/L CROSSROADS MALL DR.=	143,820.4960	2,151,969.6620
P.O.E. STA.	13910	58+17.52 C/L ACCESS RD. "A"	143,821.4233	2,151,969.8495
P.C. STA.	13906	32+48.06	143,832.3536	2,151,888.5546
TANGENTIAL DIRECTION		N 82°20'32.56" W		
TANGENTIAL LENGTH		248.16'		
CURVE CMD-1				
P.C. STA.	13906	32+48.06	143,832.3536	2,151,888.5546
P.I. STA.	13917	35+08.88	143,867.1091	2,151,630.0573
C.C. STA.	13907		144,476.5569	2,151,975.1692
P.T. STA.	13911	37+44.14	144,070.9067	2,151,467.2835
RADIUS:		650.00'		
DELTA:		43°43'40.38" RT.		
DEGREE OF CURVATURE (ARC):		08°48'53.05"		
LENGTH:		496.08'		
TANGENT:		260.82'		
CHORD:		484.12"		
MIDDLE ORDINATE:		46.75'		
EXTERNAL:		50.38'		
TANGENT DIRECTION:		N 82°20'32.56" W		
RADIAL DIRECTION:		N 07°39'27.44" E		
CHORD DIRECTION:		N 60°28'42.37" W		
RADIAL DIRECTION:		N 51°23'07.82" E		
TANGENT DIRECTION:		N 38°36'52.18" W		
P.O.C. STA.		36+84.16 C/L CROSSROADS MALL DR.=		
P.O.B. STA.	13908	9+99.13 C/L ACCESS RD. "B"	144,025.8367	2,151,506.8196
P.T. STA.	13911	37+44.14 C/L CROSSROADS MALL DR.	144,070.9067	2,151,467.2835
P.O.E. STA.	13912	38+08.19	144,120.9594	2,151,427.3062
TANGENTIAL DIRECTION:		N 38°36'52.18" W		
TANGENTIAL LENGTH:		64.06'		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES

(SHEET 11 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R027

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

C/L ACCESS RD. "A"

V= N.A., e Max= N.A.

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	13217	52+09.13 C/L ACCESS RD. "A"=	143,218.9877	2,151,942.1291
P.O.T. STA.		76+18.47 C/L E.N.E. SERV. RD., 0.94' LT.		
P.C. STA.	13902	52+11.90	143,221.7076	2,151,941.5790
TANGENTIAL DIRECTION:		N 11°26'00.85" W		
TANGENTIAL LENGTH:		2.77'		
CURVE ARA-1				
P.C. STA.	13902	52+11.90	143,221.7076	2,151,941.5790
P.I. STA.	13916	54+46.48	143,451.6274	2,151,895.0788
C.C. STA.	13903		143,451.6563	2,153,078.5591
P.T. STA.	13904	56+74.81	143,681.5495	2,151,941.5678
RADIUS:		1160.00'		
DELTA:		22°51'51.64" RT.		
DEGREE OF CURVATURE (ARC):		04°56'21.45"		
LENGTH:		462.91'		
TANGENT:		234.57'		
CHORD:		459.84'		
MIDDLE ORDINATE:		23.01'		
EXTERNAL:		23.48'		
TANGENT DIRECTION:		N 11°26'00.85" W		
RADIAL DIRECTION:		N 78°33'59.15" E		
CHORD DIRECTION:		N 00°00'05.03" W		
RADIAL DIRECTION:		S 78°34'09.21" E		
TANGENT DIRECTION:		N 11°25'50.79" E		
P.T. STA.	13904	56+74.81	143,681.5495	2,151,941.5678
P.O.E. STA.	13910	58+17.52 C/L ACCESS RD. "A"=	143,821.4233	2,151,969.8495
P.O.T. STA.		31+66.03 C/L CROSSROADS MALL DR.		
TANGENTIAL DIRECTION:		N 11°25'50.79" E		
TANGENTIAL LENGTH:		142.70'		

C/L ACCESS RD. "B"

V= N.A., e Max= N.A.

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	13908	9+99.13 C/L ACCESS RD. "B"	144,025.8367	2,151,506.8196
P.O.C. STA.		36+84.16 C/L CROSSROADS MALL DR.		
P.C. STA.	13909	10+74.06	143,981.8716	2,151,446.1508
TANGENTIAL DIRECTION:		S 54°04'12.46" W		
TANGENTIAL LENGTH:		74.92'		
CURVE ARB-1				
P.C. STA.	13909	10+74.06	143,981.8716	2,151,[illegible]
P.I. STA.	13918	11+53.11	143,935.4840	2,151,[illegible]82.13[illegible]
C.C. STA.	13913		1[illegible]96.16[illegible]	2,151,[illegible]087
P.T. STA.	13914	12+28.07	143,9[illegible]8682	2,151,3[illegible]2863
RADIUS:		277.00'		
DELTA:		31°51'22.51" RT.		
DEGREE OF CURVATURE (ARC):		20°41'03.83"		
LENGTH:		154.01'		
TANGENT:		79.05'		
CHORD:		152.03'		
MIDDLE ORDINATE:		10.63'		
EXTERNAL:		11.06'		
TANGENT DIRECTION:		S 54°04'12.46" W		
RADIAL DIRECTION:		N 35°55'47.54" W		
CHORD DIRECTION:		S 69°59'53.71" W		
RADIAL DIRECTION:		N 04°04'25.03" W		
TANGENT DIRECTION:		S 85°55'34.97" W		
P.T. STA.	13914	12+28.07	143,929.8682	2,151,303.2863
P.O.E. STA.	13915	14+16.83 C/L ACCESS RD. "B"=	143,916.4591	2,151,115.0039
P.O.T. STA.		87+ 60.55 C/L N.N.E. SERV. RD., 16.05' RT.		
TANGENTIAL DIRECTION:		S 85°55'34.97" W		
TANGENTIAL LENGTH:		188.76'		

C/L LT. SERV. RD. AT S.E. 59TH ST.

V= N.A., e Max= N.A.

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	6537	468+38.38 C/L LT. SERV. RD.=	147,688.3138	2,150,843.8834
P.O.C STA.		126+55.33 C/L I-35, 111.05' RT.		
P.C. STA.	6538	469+05.70	147,753.7085	2,150,859.8681
TANGENTIAL DIRECTION:		N 13°44'08.51" E		
TANGENTIAL LENGTH:		67.32'		
CURVE LSR-1				
P.C. STA.	6538	469+05.70	147,753.7085	2,150,859.8681
P.I. STA.	7403	469+76.46	147,822.4416	2,150,876.6688
C.C. STA.	6412		147,889.7540	2,150,303.2960
P.T. STA.	6539	470+46.50	147,893.1966	2,150,876.2437
RADIUS:		572.96'		
DELTA:		14°04'48.00" LT.		
DEGREE OF CURVATURE (ARC):		09°59'59.99"		
LENGTH:		140.80'		
TANGENT:		70.76'		
CHORD:		140.45'		
MIDDLE ORDINATE:		4.32'		
EXTERNAL:		4.35'		
TANGENT DIRECTION:		N 13°44'08.67" E		
RADIAL DIRECTION:		S 76°15'51.33" E		
CHORD DIRECTION:		N 06°41'44.75" E		
RADIAL DIRECTION:		N 89°39'20.67" E		
TANGENT DIRECTION:		N 00°20'39.33" W		
P.T. STA.	6539	470+46.50	147,89[illegible]966	2,150,876.2[illegible]37
P.O.E. STA.	6540	474+37.89 C/L LT. SERV. RD.=	148,[illegible].5745	2,150,873.8921
P.O.T. STA.		97+44.86 C/L S.E. 59TH. ST.		
TANGENTIAL DIRECTION:		N 00°20'39.33" W		
TANGENTIAL LENGTH:		391.39'		

C/L RT. SERV. RD. AT S.E. 59TH. ST.

V= N.A., e Max= N.A.

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	6544	123+64.74 C/L S.E. 59TH. ST.=	147,377.2992	2,151,009.1314
P.O.C. STA.		123+84.10 C/L I-35, 113.78' LT.		
P.C. STA.	6543	128+04.00	147,804.6215	2,151,110.8596
TANGENTIAL DIRECTION:		N 13°23'26.05" E		
TANGENTIAL LENGTH:		439.26'		
CURVE RSR-1				
P.C. STA.	6543	128+04.00	147,804.6215	2,151,110.8596
P.I. STA.	7404	130+02.51	147,997.8232	2,151,156.4507
C.C. STA.	6410		147,475.6452	2,152,504.9640
P.T. STA.	6542	131+98.51	148,171.3450	2,151,252.8640
RADIUS:		1,432.39'		
DELTA:		15°46'48.46" RT.		
DEGREE OF CURVATURE (ARC):		04°00'00.00"		
LENGTH:		394.50'		
TANGENT:		198.51'		
CHORD:		393.26'		
MIDDLE ORDINATE:		13.56'		
EXTERNAL:		13.69'		
TANGENT DIRECTION:		N 13°16'39.28" E		
RADIAL DIRECTION:		S 76°43'20.72" E		
CHORD DIRECTION:		N 21°10'03.48" E		
RADIAL DIRECTION:		S 60°56'32.26" E		
TANGENT DIRECTION:		N 29°03'27.74" E		
P.T. STA.	6542	131+98.51	148,171.3450	2,151,252.8640
P.O.E. STA.	6541	133+30.53 C/L RT. SERV. RD.=	148,286.6956	2,151,317.0767
P.O.T. STA.		101+88.05 C/L S.E. 59TH. ST.		
TANGENTIAL DIRECTION:		N 29°06'12.80" E		
TANGENTIAL LENGTH:		132.02'		

C/L SANTA FE AVE. (N.B. & S.B.)

V= N.A., e Max= N.A.

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	6661	95+96.72	142,544.2397	2,145,645.6763
P.I. STA.	3120	100+00.00	142,947.5057	2,145,642.3196
TANGENTIAL DIRECTION:		N 00°28'36.86" W		
TANGENTIAL LENGTH:		403.28'		
P.I. STA.	3120	100+00.00	142,947.5057	2,145,642.3196
P.I. STA.	6002	100+96.72 C/L SANTA FE AVE.=	143,044.2256	2,145,641.4636
P.O.T. STA.		376+33.43 C/L I-240=		
P.O.T. STA.		376+33.43 C.R.L. I-240		
TANGENTIAL DIRECTION:		N 00°30'25.42" W		
TANGENTIAL LENGTH:		96.72'		
P.I. STA.	6002	100+96.72	143,044.2256	2,145,641.4636
P.O.E. STA.	6402	105+96.72	143,544.2060	2,145,637.0388
TANGENTIAL DIRECTION:		N 00°30'25.39" W		
TANGENTIAL LENGTH:		500.00'		

C/L S. SHIELDS BLVD. (N.B. & S.B.)

V= N.A., e Max= N.A.

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	6419	142+61.38	142,585.3894	2,147,507.7199
P.O.T. STA.	6761	146+15.65 C/L S. SHIELDS BLVD.=	142,921.9857	2,147,397.2056
P.O.E. STA.		105+73.65 S.W. SERV. RD.		
P.O.T. STA.	6001	147+61.38 C/L S. SHIELDS BLVD.=	143,060.4395	2,147,351.7473
P.O.T. STA.		393+43.79 C/L I-240		
P.O.T. STA.		393+43.79 C.R.L. I-240		
P.O.T. STA.	6728	149+12.90 C/L S. SHIELDS BLVD.=	143,204.3943	2,147,304.4828
P.O.B. STA.		55+27.59 N.W. SERV. RD.		
P.O.E. STA.	6418	152+61.38	143,535.4895	2,147,195.7747
TANGENTIAL DIRECTION:		N 18°10'35.39" W		
TANGENTIAL LENGTH:		1000.00'		

C/L S.E. 59TH ST. (E.B. & W.B.)

V= N.A., e Max= N.A.

	POINT	STATION	NORTHING	EASTING
P.O.B. STA.	6432	95+00.00	148,281.8565	2,150,629.0492
P.O.T. STA.	6540	97+44.86 C/L S.E. 59TH. ST.=	148,284.5745	2,150,873.8921
P.O.E. STA.		474+37.89 C/L LT. SERV. RD.		
P.I. STA.	3169	97+60.93	148,284.7529	2,150,889.9611
TANGENTIAL DIRECTION:		N 89°21'50.34" E		
TANGENTIAL LENGTH:		260.93'		
P.I. STA.	3169	97+60.93	148,284.7529	2,150,889.9611
P.I. STA.	1076	100+00.01 C/L S.E. 59TH. ST.=	148,285.8404	2,151,129.0452
P.O.E. STA.		133+02.75 C/L I-35		
TANGENTIAL DIRECTION:		N 89°44'21.83" E		
TANGENTIAL LENGTH:		239.09		
P.I. STA.	1076	100+00.01	148,285.8404	2,151,129.0452
P.O.T. STA.	6541	101+88.05 C/L S.E. 59TH. ST.=	148,286.6956	2,151,317.0767
P.O.E. STA.		133+30.53 C/L RT. SERV. RD.		
P.O.E. STA.	6433	105+00.01	148,288.1146	2,151,629.0400
TANGENTIAL DIRECTION:		N 89°44'21.80" E		
TANGENTIAL LENGTH:		500.00		

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

GEOMETRIC COORDINATE POINT TABLES (SHEET 12 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R028

5/27/2022 9:55:02 AM
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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

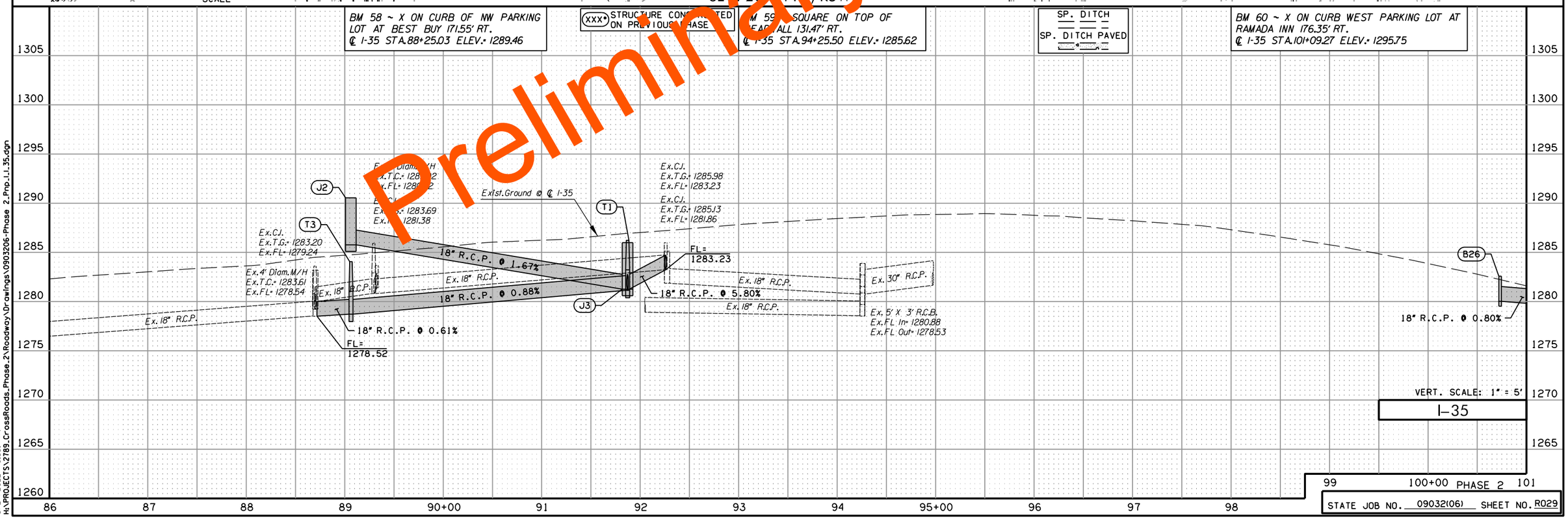
BM 58 ~ X ON CURB OF NW PARKING LOT AT BEST BUY 171.55' RT.
℄ I-35 STA. 88+25.03 ELEV.= 1289.46

(XXX) STRUCTURE CONSTRUCTED ON PREVIOUS PHASE

BM 59 ~ SQUARE ON TOP OF GUARDRAIL 131.47' RT.
℄ I-35 STA. 94+25.50 ELEV.= 1285.62

SP. DITCH
SP. DITCH PAVED

BM 60 ~ X ON CURB WEST PARKING LOT AT RAMADA INN 176.35' RT.
℄ I-35 STA. 101+09.27 ELEV.= 1295.75



STATE JOB NO. 09032(06) SHEET NO. R029

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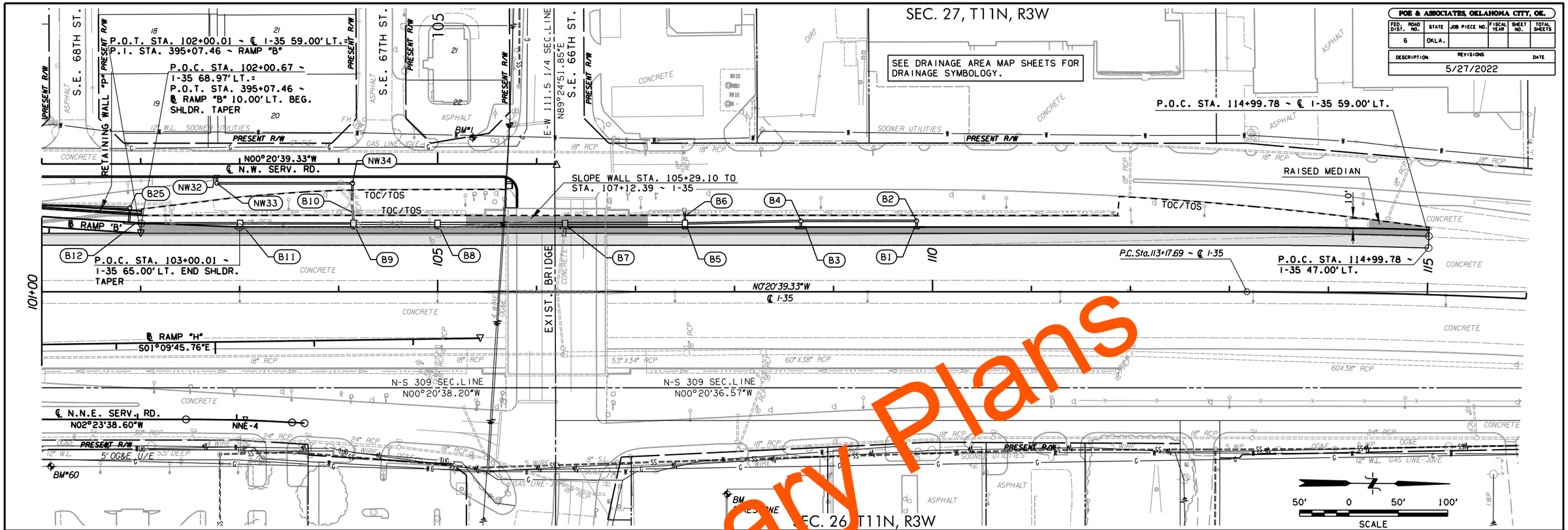
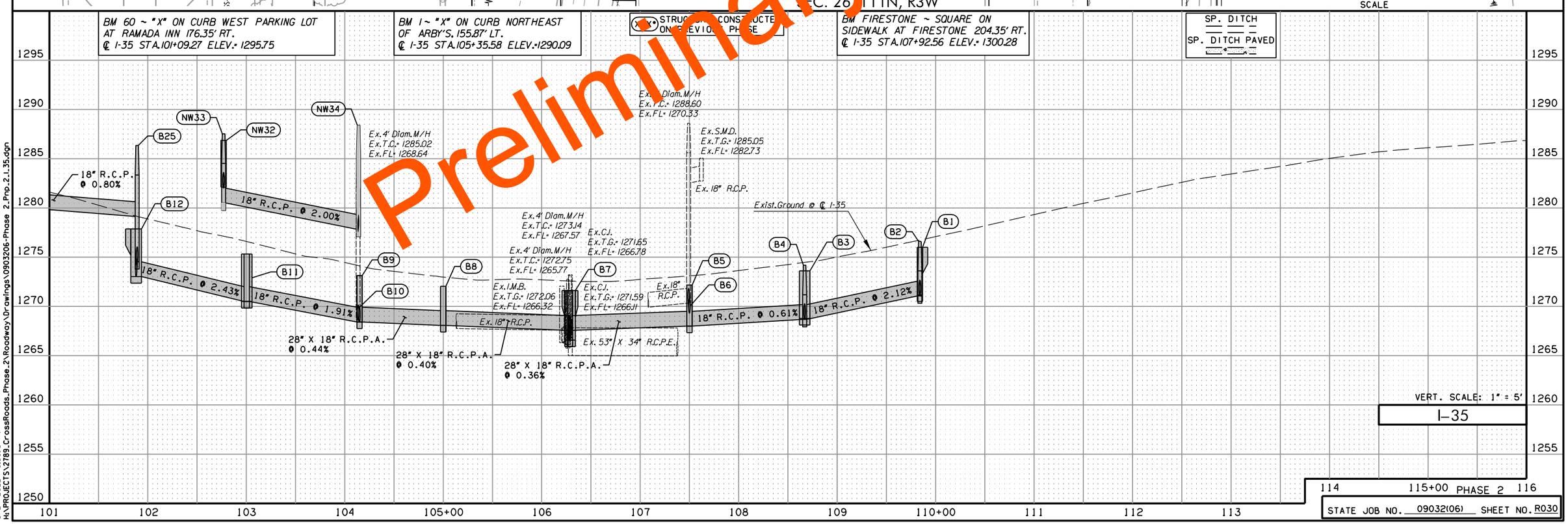
Preliminary Plans

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	





Preliminary Plans

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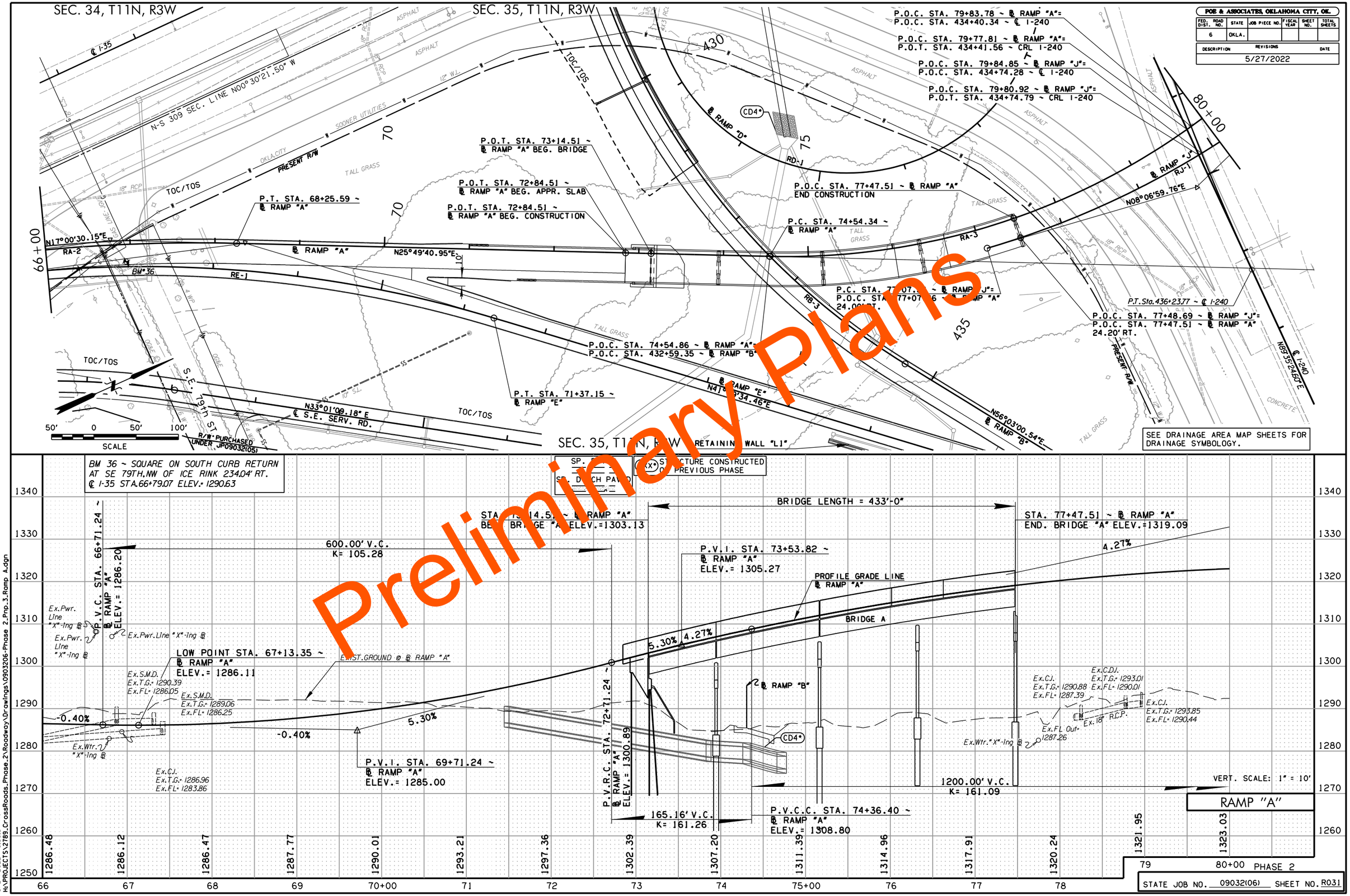
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



STATE JOB NO. 09032(06) SHEET NO. R031

Preliminary Plans

5/27/2022 9:56:54 AM
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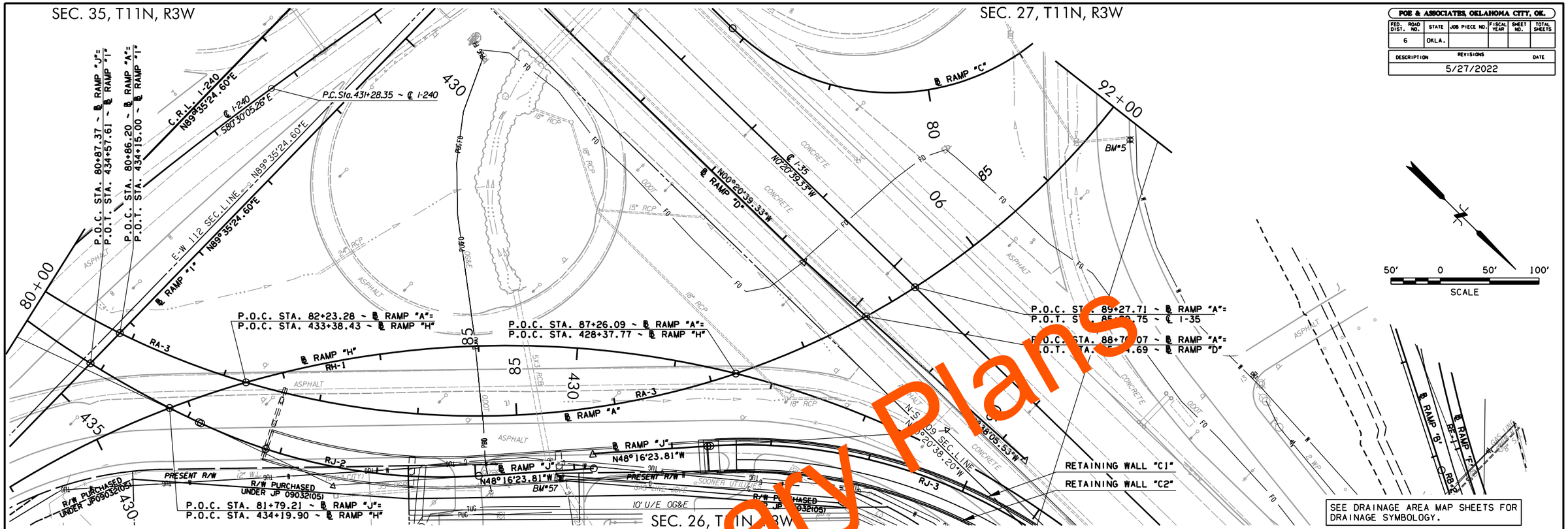
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

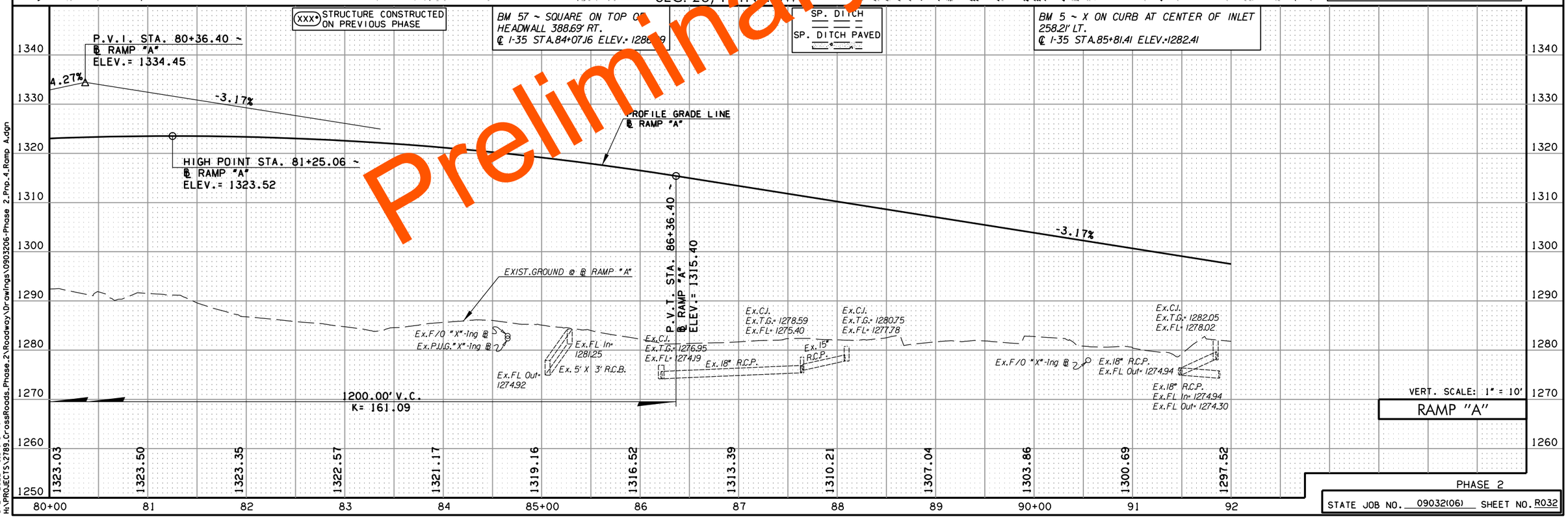


(XXX) STRUCTURE CONSTRUCTED ON PREVIOUS PHASE

BM 57 ~ SQUARE ON TOP OF HEADWALL 388.69' RT. ℄ I-35 STA.84+07.16 ELEV.= 1286.[illegible]9

SP. DITCH
SP. DITCH PAVED

BM 5 ~ X ON CURB AT CENTER OF INLET 258.21' LT. ℄ I-35 STA.85+81.41 ELEV.=1282.41



VERT. SCALE: 1" = 10'

RAMP "A"

PHASE 2

STATE JOB NO. 09032(06) SHEET NO. R032

5/27/2022 9:57:46 AM
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Preliminary Plans

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

SEC. 27, T11N, R3W

SEC. 34, T11N, R3W

SEC. 27, T11N, R3W

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS

DESCRIPTION	DATE
	5/27/2022

P.C.Sta.420+07.57 ~ ℄ I-240

P.O.T. STA. 99+85.55 ~ ℞ RAMP "A" 15.00' RT.
P.O.T. STA. 417+69.20 ~ ℞ RAMP "F" 24.86' LT.
GORE PT.

P.O.C. STA. 92+50.00 ~ ℞ RAMP "A"
BEG. CONSTRUCTION

RC-1 ℞ RAMP "C"

P.O.E. STA. 101+77.63 ~ ℞ RAMP "A" BK=
P.C. STA. 101+77.63 ~ ℞ RAMP "A" AHD
℞ SHIFT 24' RT. END CONSTRUCTION

℞ RAMP "L" S73°36'49.00"E

STATION EQUATION
P.I.Sta.415+08.92, ℄ I-240 BK.
P.I.Sta.415+00.00, ℄ I-240 AHD.

P.I.Sta.415+00.00 ~ ℄ I-240

℄ S.W. SERV. RD.

℞ RAMP "G"

℄ I-240

RA-4

N84°02'39.43"W

N89°27'24.62"E

℞ RAMP "A"

N89°27'24.62"E

TOC/TOS

℞ RAMP "A" S62°54'18.27"W

RA-3

RF-2

P.T. STA. 94+96.10 ~
℞ RAMP "A"

P.O.C. STA. 94+70.80 ~ ℞ RAMP "A"=
P.O.C. STA. 413+21.31 ~ ℞ RAMP "B"

S46°13'08.62"W

℞ RAMP "B"

S27°29'41.64"W

℞ RAMP "F"

P.C. STA. 416+24.33 ~
℞ RAMP "F"

NW-2

N46°13'08.62"E

℄ N.W. SERV. RD.

P.O.T. STA. 101+77.63 ~
℞ RAMP "A" 12.00' RT.

P.O.T. STA. 100+59.75 ~
℞ RAMP "A" 15.00' RT.

P.O.T. STA. 99+85.55 ~
℞ RAMP "A" 25.00' RT.

P.O.T. STA. 99+24.41 ~
℞ RAMP "A" 5.95' RT.

P.O.T. STA. 414+62.62 ~ ℞ RAMP "L"=
P.O.T. STA. 414+66.13 ~ ℄ I-240
P.O.C. STA. 104+52.54 ~ ℞ RAMP "A"=
P.O.T. STA. 413+80.99 ~ ℞ RAMP "L"

P.T. STA. 419+58.05 ~ ℞ RAMP "F"=
P.C. STA. 101+77.63 ~ ℞ RAMP "A"

P.O.C. STA. 105+35.72 ~ ℞ RAMP "A"=
P.O.T. STA. 413+04.28 ~ ℄ I-240

PRESENT R/W

S.E. 73RD ST

SCALE 50' 0 50' 100'

BM 6 ~ CHISELED SQUARE TOP OF EAST SIDE OF DRAINAGE CANAL 40.13' ℄ I-240 STA. 418+[illegible]24 ELEV.= 1285.30

SP. DITCH
SP. DITCH PAVED

(XXX) STRUCTURE CONSTRUCTED ON PREVIOUS PHASE

733.[illegible]1' V.C.
K= 24.5[illegible]

VARIABLE GRADE

P.V.C. STA. 94+43.81 ~
℞ RAMP "A"
ELEV.= 1289.78

PROFILE GRADE LINE
℞ RAMP "A"

EXIST.GROUND @ ℞ RAMP "A"

-3.17%

-1.80%

24" R.C.P. @ 1.11%

FL= 1277.85

Ex.Wtr."X"-ing ℞

-1.22%

SP. DITCH RT.

FL= 1276.11

24" R.C.P. @ 2.71%

P.V.I. STA. 98+10.72 ~
℞ RAMP "A"
ELEV.= 1278.13

24" R.C.P. @ 2.44%

-0.38%

Ex.4' Diam.S.S.M/H
Ex.T.C.= 1270.10
Ex.FL= 1260.70

Ex.Pwr.Line "X"-ing ℞

Ex.4' Diam.S.S.M/H
Ex.T.C.= 1268.94
Ex.FL= 1259.64

-0.40%

SP. DITCH LT.

0.91%

Ex.Gas "X"-ing ℞

24" R.C.P. @ 0.95%

FL= 1265.45

Ex.Gas "X"-ing ℞

Ex.Wtr. "X"-ing ℞

FL= 1264.44

24" R.C.P. @ 0.50%

V.P.I. STA. 101+77.63 ~
℞ RAMP "A" AHD. ℞ SHIFT 24' RT.
ELEV.= 1275.65

V.P.O.E. STA. 101+77.63 ~
℞ RAMP "A" BK
ELEV.= 1276.66

-0.40%

P.V.I. STA. 106+06.53 ~
℞ RAMP "A"
ELEV.= 1273.94

VERT. SCALE: 1" = 10'

RAMP "A"

1297.52 1294.34 1291.17 1288.05 1285.28 1282.88 1280.87 1279.23 1277.97 1277.08 1275.56 1275.16 1274.77 1274.37 1273.97 1274.09

92 93 94 95+00 96 97 98 99 100+00 101 102 103 104 105+00 106 107

PHASE 2

STATE JOB NO. 09032(06) SHEET NO. R033

Preliminary Plans

5/27/2022 9:58:26 AM
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SEC. 26, T11N, R3W

SEC. 27, T11N, R3W

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

BM*60

20' ODOT U/E 10' ONG R/W

PRESENT R/W

℄ N.N.E. SERV. RD.

N02°23'38.60" W

NNE-3

N-S 309 SEC. LINE N 0°20'38.20" W

S01°09'45.76"E ℞ RAMP "H"

P.O.C. STA. 400+82.38 ~ ℞ RAMP "B" 37.98' LT.=
P.O.T. STA. 96+23.84 ~ ℄ I-35 59.00' LT.

P.O.C. STA. 401+39.80 ~ ℞ RAMP "B" 43.89' LT.

P.O.C. STA. 401+41.59 ~ ℞ RAMP "B" 28.00' LT.

P.O.C. STA. 400+83.29 ~ ℞ RAMP "B" 24.00' LT.
P.O.T. STA. 96+23.84 ~ ℄ I-35 73.01' RT.

GORE PT.

P.O.T. STA. 398+70.77 ~ ℞ RAMP "B" 24.00' LT.

℄ I-35 N00°20'39.33"W

℞ RAMP "B" S03°26'06.67"W

P.T. STA. 406+00.00 ~ ℞ RAMP "B" BK=
P.C. STA. 405+98.58 ~ ℞ RAMP "B" AHD
SHIFT ℞ 24' LT.

P.O.C. STA. 405+98.58 ~ ℞ RAMP "B" 12.00' RT.

P.T. STA. 406+84.52 ~ ℞ RAMP "B"

P.O.T. STA. 407+80.51 ~ ℞ RAMP "B" 15.00' RT.

PLATTED 10' U/E

TOC/TOS

S24°06'50.76"W

RB-1

RB-2

℞ RAMP "B"

S24°06'50.76"W

S27°29'41.64"W

℞ RAMP "F"

RF-1

℞ RAMP "B"

P.O.T. STA. 409+13.00 ~ ℞ RAMP "B", 4.00' LT. BEG SHLDR. TAPER

P.O.T. STA. 409+63.00 ~ ℞ RAMP "B", 6.00' LT. END SHLDR. TAPER

IMPACT ATTENUATOR

P.O.T. STA. 409+93.76 ~ ℞ RAMP "B", 4.00' LT. BEG. BARRIER WALL

B12 B26 B25 B13 B14 B15 B16 B17 B18 NW24° NW-3 CD6°

℄ N.W. SERV. RD. N00°20'39.33" W

PRESENT R/W R/W PURCHASED UNDER JP 09032(09)

P.C. STA. 400+83.03 ~ ℞ RAMP "B"

P.C. STA. 406+00.00 ~ ℞ RAMP "F"=
P.T. STA. 406+00.00 ~ ℞ RAMP "B"

P.O.T. STA. 408+56.70 ~ ℞ RAMP "B" 15.00' RT.

P.O.T. STA. 408+53.49 ~ ℞ RAMP "F" 24.87' LT.

GORE PT.

P.O.T. STA. 408+56.70 ~ ℞ RAMP "B" 25.00' RT.

P.O.T. STA. 409+19.03 ~ ℞ RAMP "B" 25.00' RT.

P.O.T. STA. 409+18.60 ~ ℞ RAMP "B" 36.95' RT.

P.O.T. STA. 409+61.00 ~ ℞ RAMP "B" 25.00' RT. BEG. SHLDR. TAPER

RET. WALL "P"

P.O.T. STA. 396+40.00 ~ ℞ RAMP "B"=
18.00' RT. END RETAINING WALL "P"

P.O.T. STA. 395+08.05 ~ ℞ RAMP "B"=
18.00' RT. BEG. RETAINING WALL "P"

P.I. STA. 395+07.46 ~ ℞ RAMP "B"=
P.O.T. STA. 102+00.01 ~ ℄ I-35 59.00' LT.
BEG. CONSTRUCTION

S.E. 68TH ST. S.E. 69TH ST. S.E. 70TH ST. S.E. 71ST ST. ASHBY TERR

CHURCH

BM*2 BM*4

SCALE 50' 0 50' 100'

Preliminary Plans

BM 2 ~ #5 REBAR AT CHURCH 295.24' LT.
℄ I-35 STA.101+11.28 ELEV.= 1284.54

BM 6 ~ CHISELED SQUARE TOP OF EAST SIDE OF DRAINAGE CANAL 406.13' LT.
℄ I-240 STA.418+82.24 ELEV.=1265.30

SP. DITCH

(XXX) STRUCTURE CONSTRUCTED ON PREVIOUS PHASE

BM 3 ~ X ON CURB AT 71ST ST.326.63' LT.
℄ I-35 STA.92+35.03 ELEV.= 1279.32

BM 4 ~ X ON CURB AT 73RD ST.520.15' LT.
℄ I-35 STA.89+03.86 ELEV.= 1282.01

500.00' V.C. K= 111.56

200.00' V.C. K= 127.53

VARIABLE GRADE (SEE SPOT ELEVATIONS)

V.P.O.B. STA. 395+07.46 ~ ℞ RAMP "B" ELEV.= 1277.96

EXIST. GROUND @ ℞ RAMP "B"

PROFILE GRADE LINE ℞ RAMP "B"

P.V.I. STA. 401+71.50 ~ ℞ RAMP "B" ELEV.= 1285.93

P.V.C. STA. 403+50.00 BK. ~ ℞ RAMP "B" ELEV.= 1284.65

LOW POINT STA. 404+28.60 ~ RAMP "B" ELEV.= 1285.59

STA. 405+98.58 AHD. ℞ RAMP "B" ELEV.= 1286.89

STA. 406+00.00 BK. ℞ RAMP "B" ELEV.= 1285.66

P.V.C.C. STA. 408+48.58 AHD. ~ ℞ RAMP "B" ELEV.= 1293.50

P.V.I. STA. 409+48.58 ~ ℞ RAMP "B" ELEV.= 1297.26

P.V.I. STA. 406+00.00 BK. ~ ℞ RAMP "B" ELEV.= 1282.86

P.V.I. STA. 405+98.58 AHD. ~ ℞ RAMP "B" ELEV.= 1284.08

LOW POINT STA. 404+30.02 ~ ℞ RAMP "B" ELEV.= 1284.37

Ex.C.I. Ex.T.G.= 1282.27 Ex.FL= 1279.78

Ex.C.I. Ex.T.G.= 1285.22 Ex.FL= 1282.02

Ex.C.I. Ex.T.G.= 1282.44 Ex.FL= 1279.91

Ex.4' Diam.M/H Ex.T.C.= 1283.96 Ex.FL= 1278.52

Ex.18" R.C.P.

18" R.C.P. @ 2.43%

Ex.5' X 3' R.C.B.

-0.72%

Ex.FL In= 1280.88 Ex.FL Out= 1278.53

Ex.Gas "X"-ing ℞

SP. DITCH LT.

18" R.C.P. @ 0.58%

Ex.Gas Ex.Wtr. "X"-ing ℞

18" R.C.P. @ 1.50%

18" R.C.P. @ 0.51%

Ex.C.I. Ex.T.G.= 1282.25 Ex.FL= 1278.92

Ex.4' Diam.S.S.M/H Ex.T.C.= 1284.61 Ex.FL= 1275.61

Ex.Pwr.Line "X"-ing ℞

3.76% 5.33% -0.50%

Ex.4' Diam.S.S.M/H Ex.T.C.= 1279.43 Ex.FL= 1268.28

1280.38 1282.57 1284.44 1285.72 1286.58 1286.34 1285.73 1285.01 1284.41 1285.63 1284.59 1285.82 1285.66 1286.91 1287.63 1288.89 1290.50 1291.77 1295.53 1300.09

395+00 396 397 398 399 400+00 401 402 403 404 405+00 406 407 408 409 PHASE 2 410+00

VERT. SCALE: 1" = 10'

RAMP "B"

STATE JOB NO. 09032(06) SHEET NO. R034

5/27/2022 9:59:02 AM
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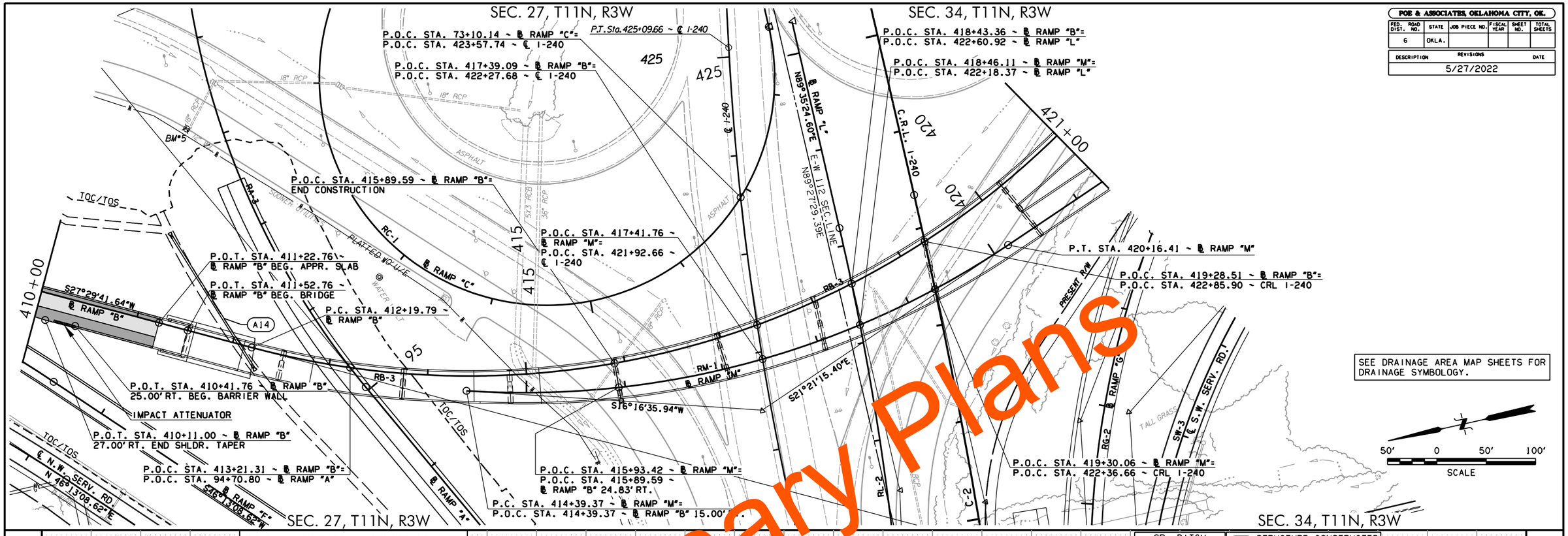
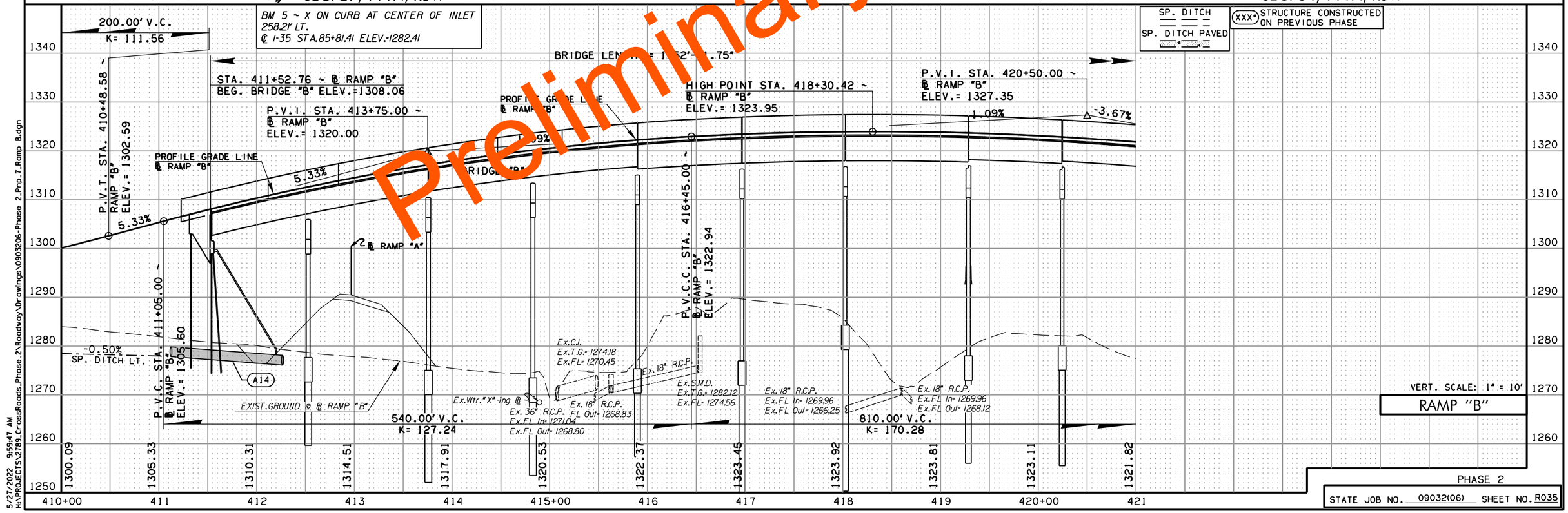
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022





PHASE 2

STATE JOB NO. 09032(06) SHEET NO. R035

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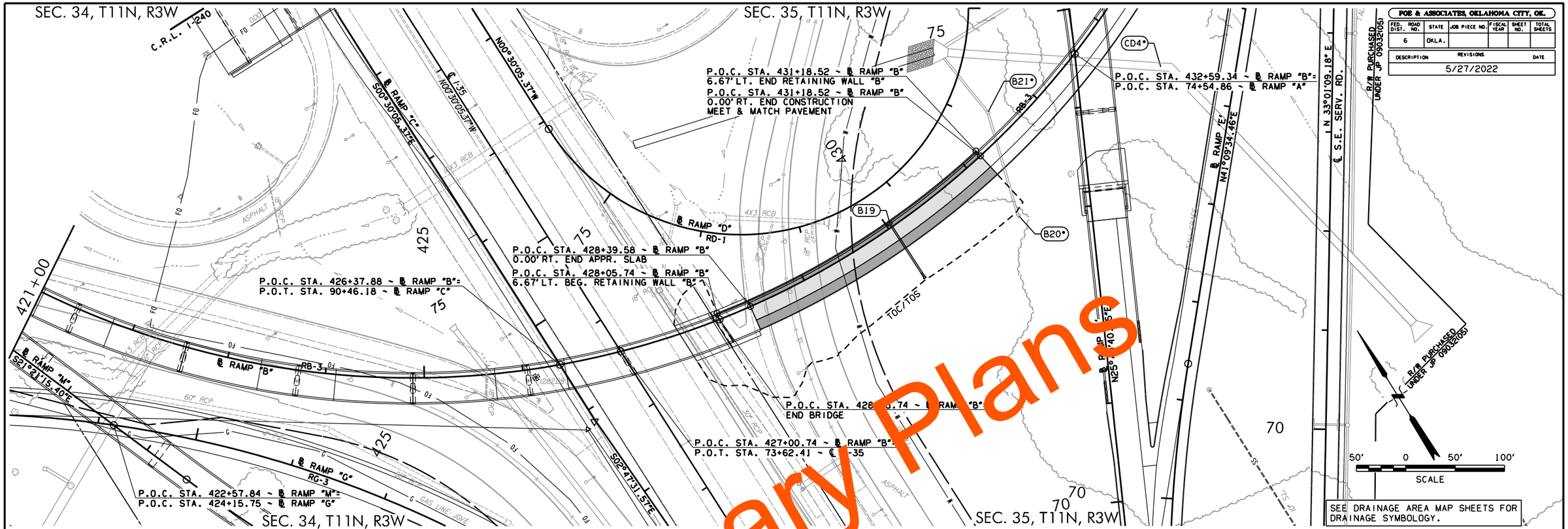
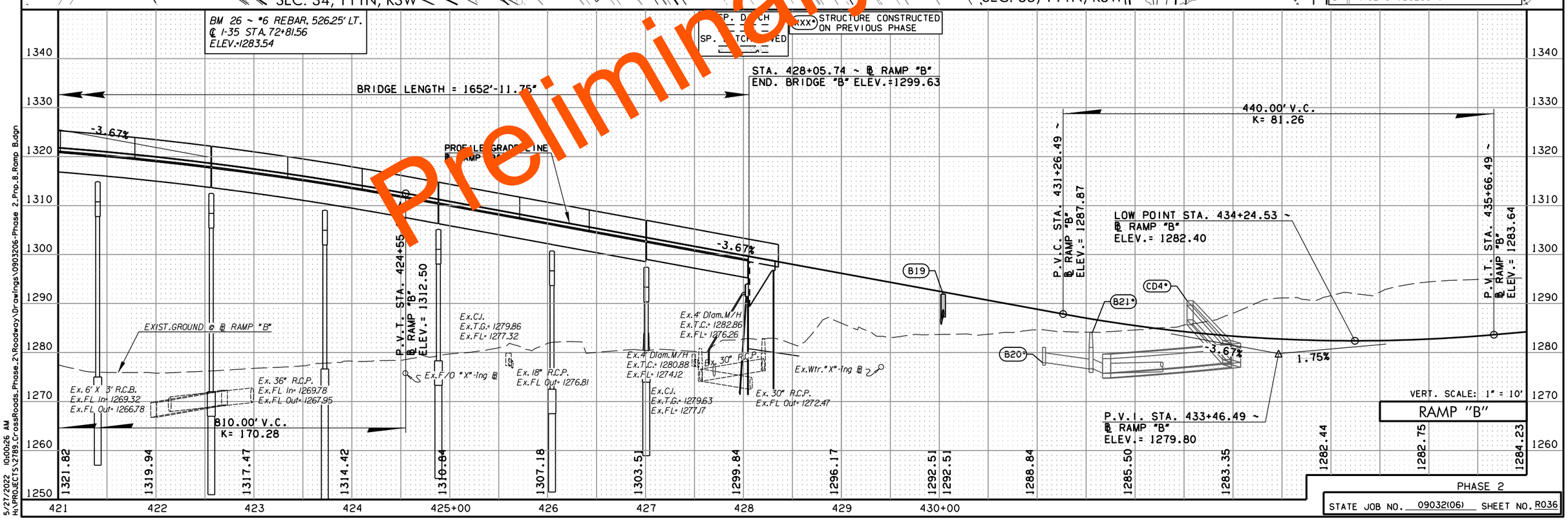
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	





PHASE 2

STATE JOB NO. 09032(06) SHEET NO. R036

Preliminary Plans

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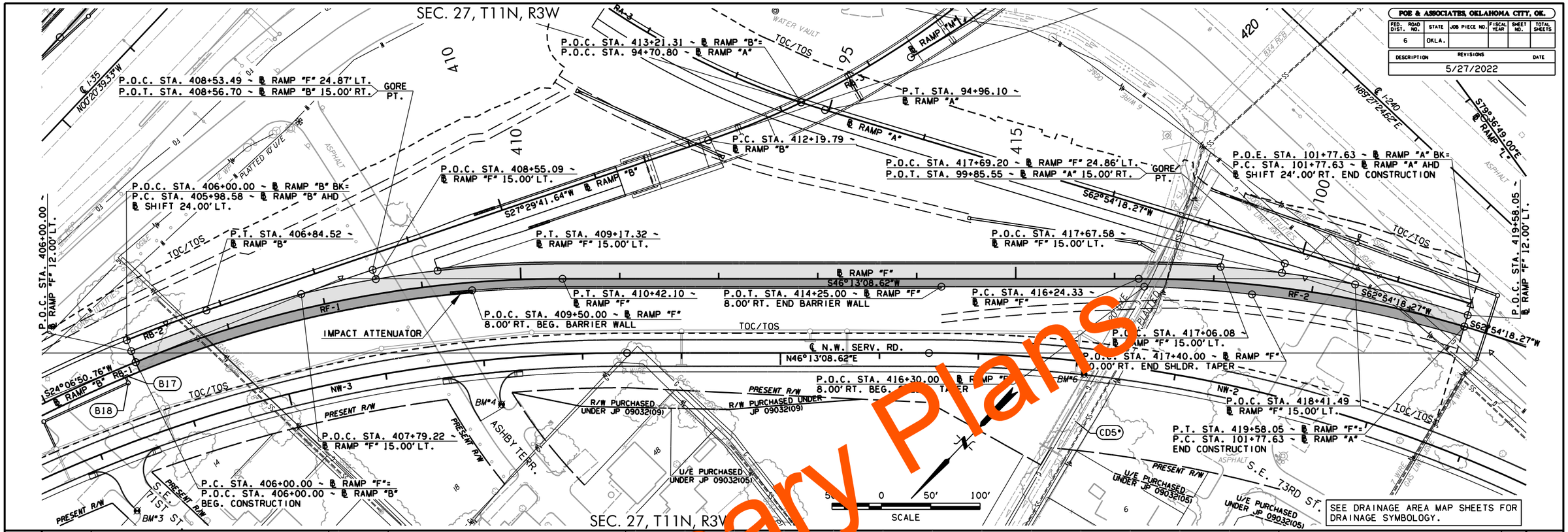
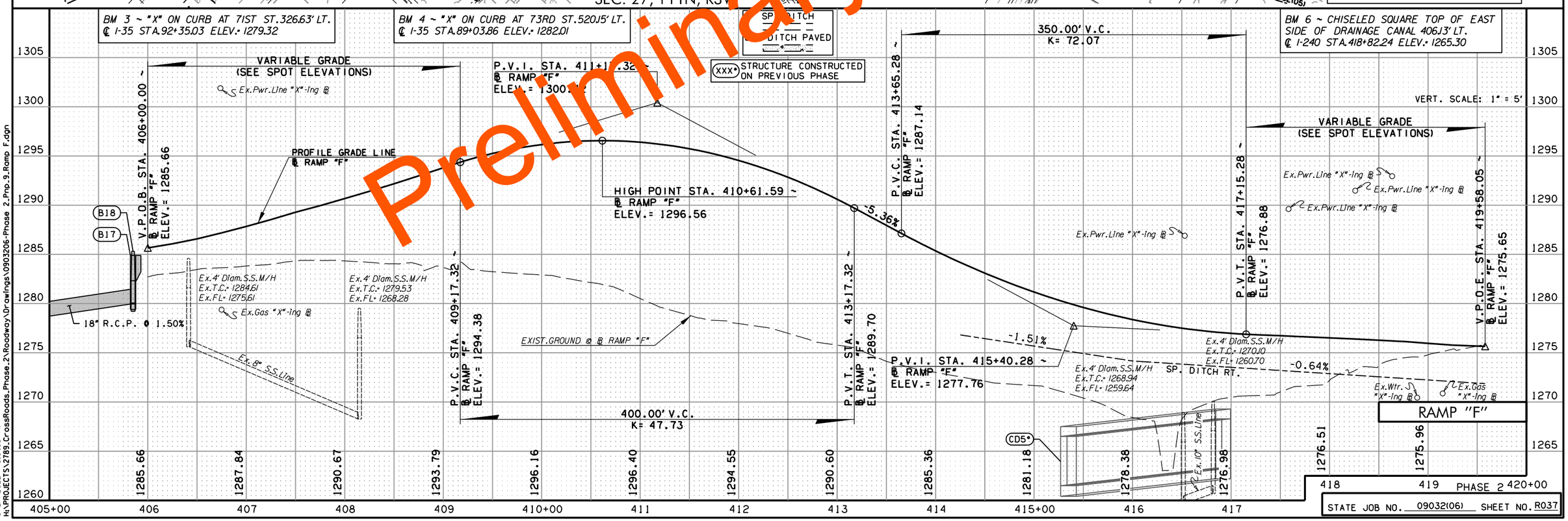
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	





STATE JOB NO. 09032(06) SHEET NO. R037

Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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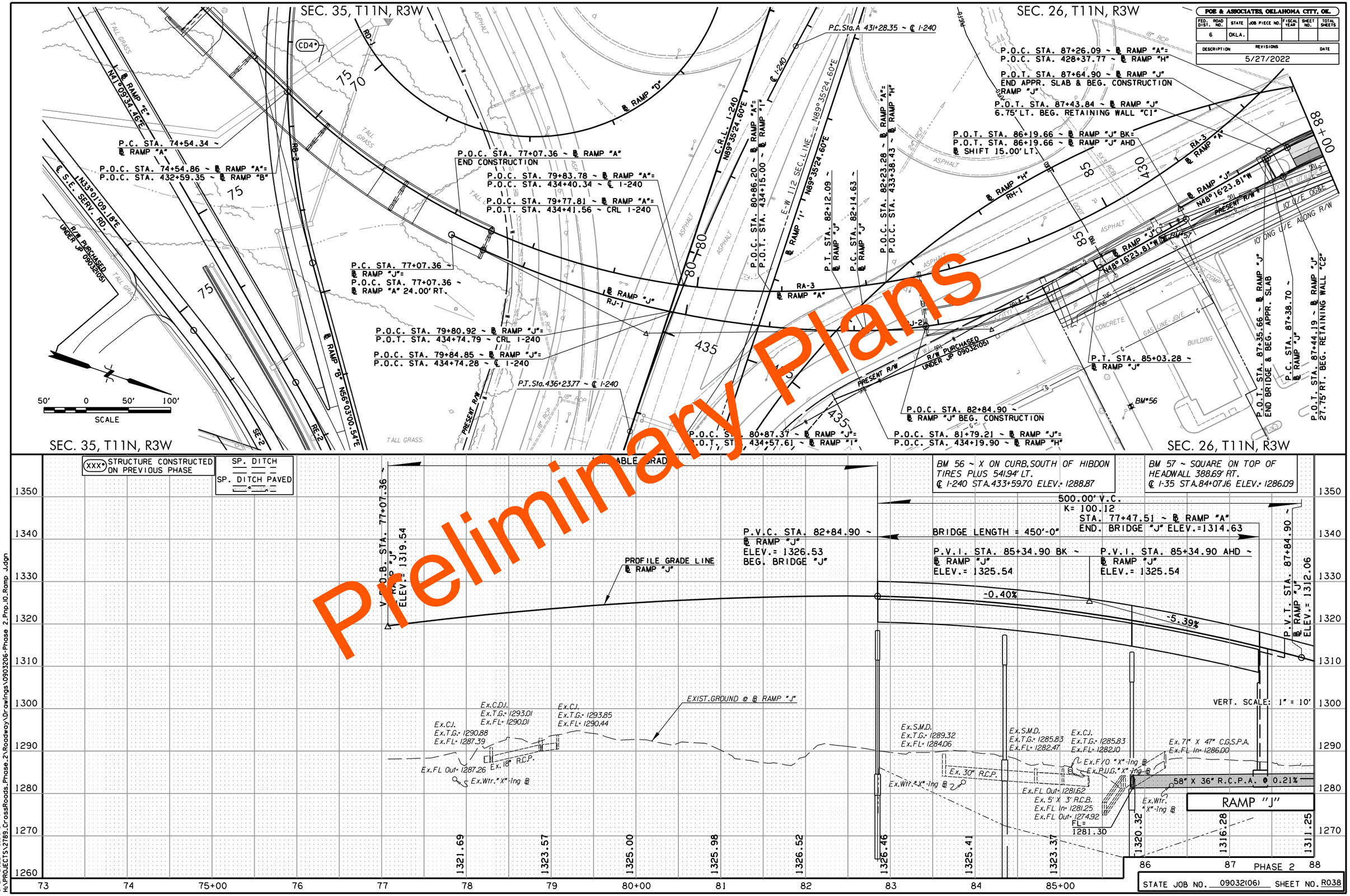

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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DESCRIPTION	REVISIONS	DATE
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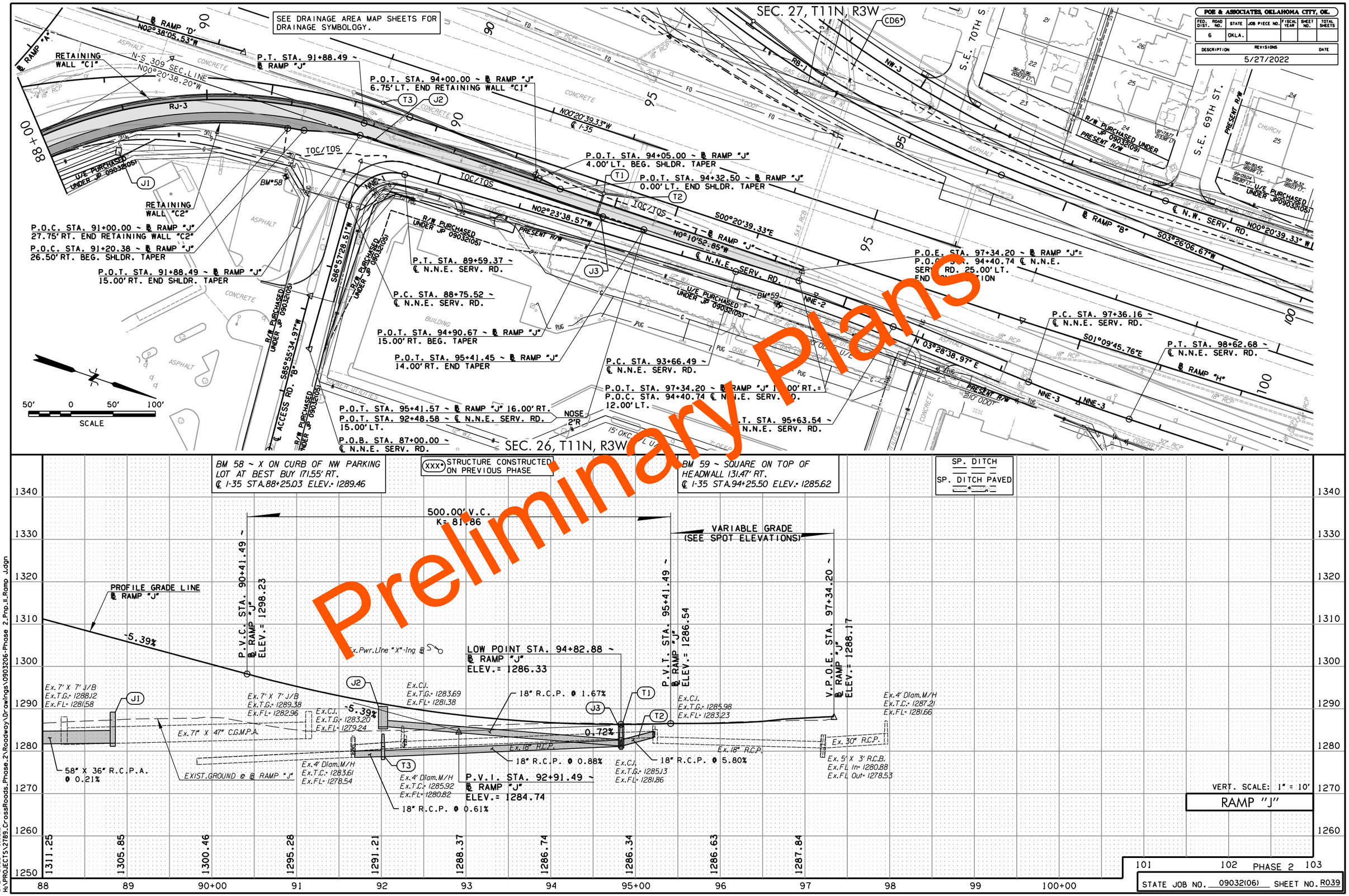

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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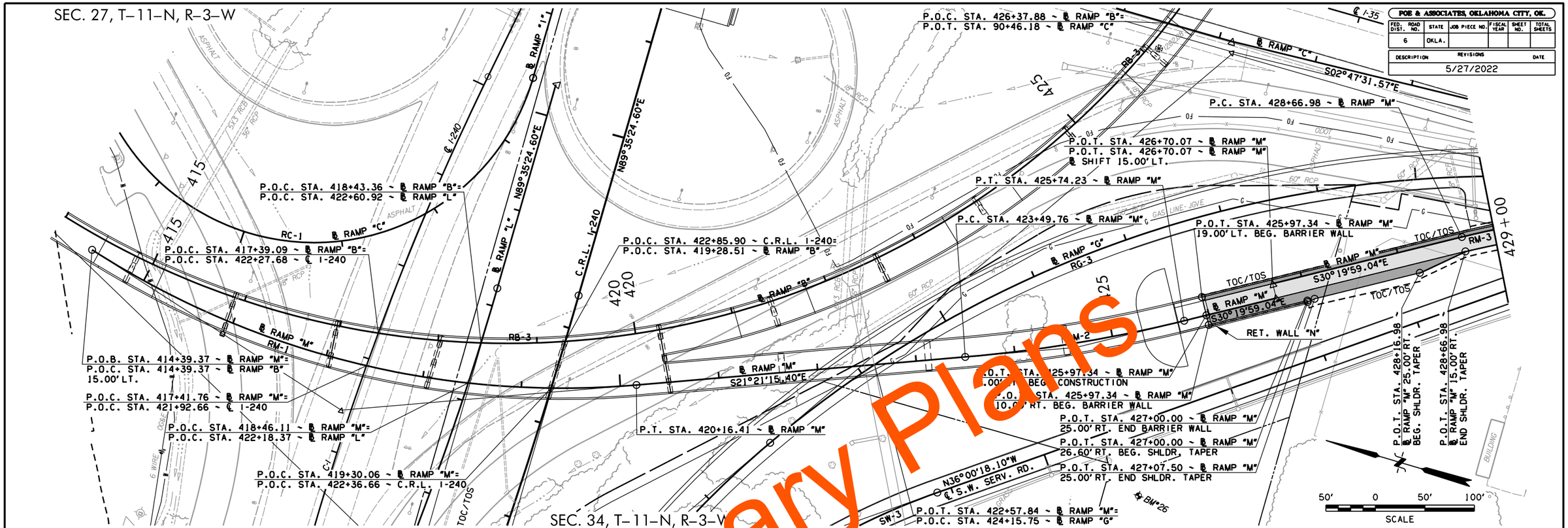

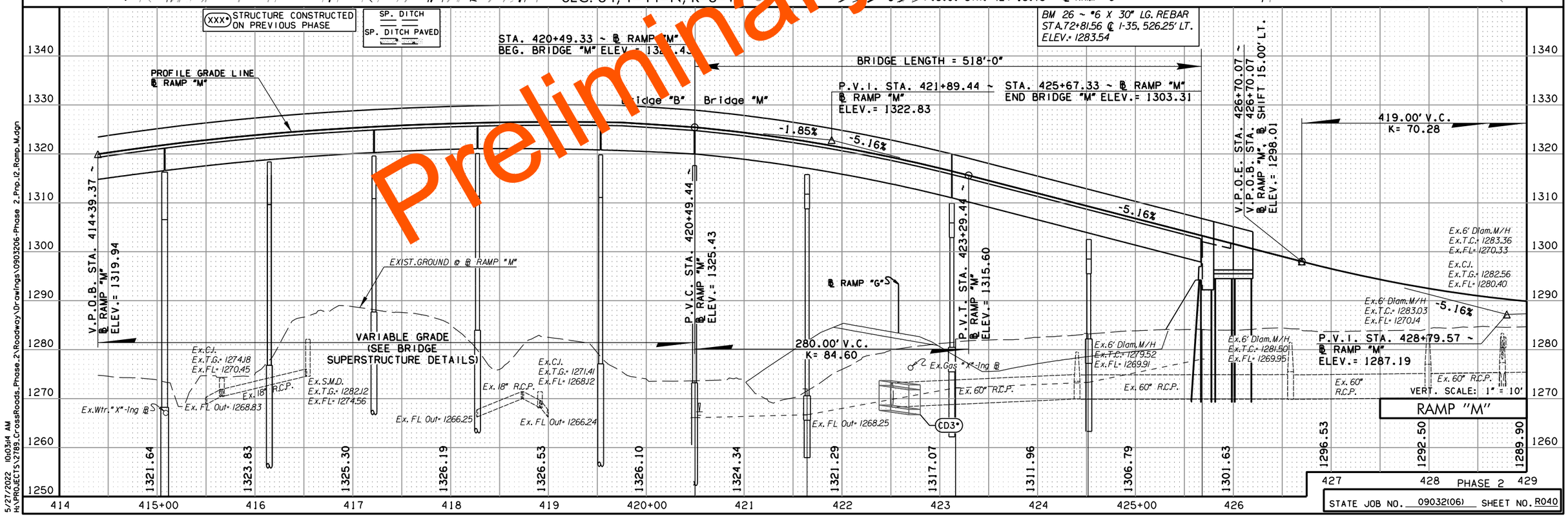

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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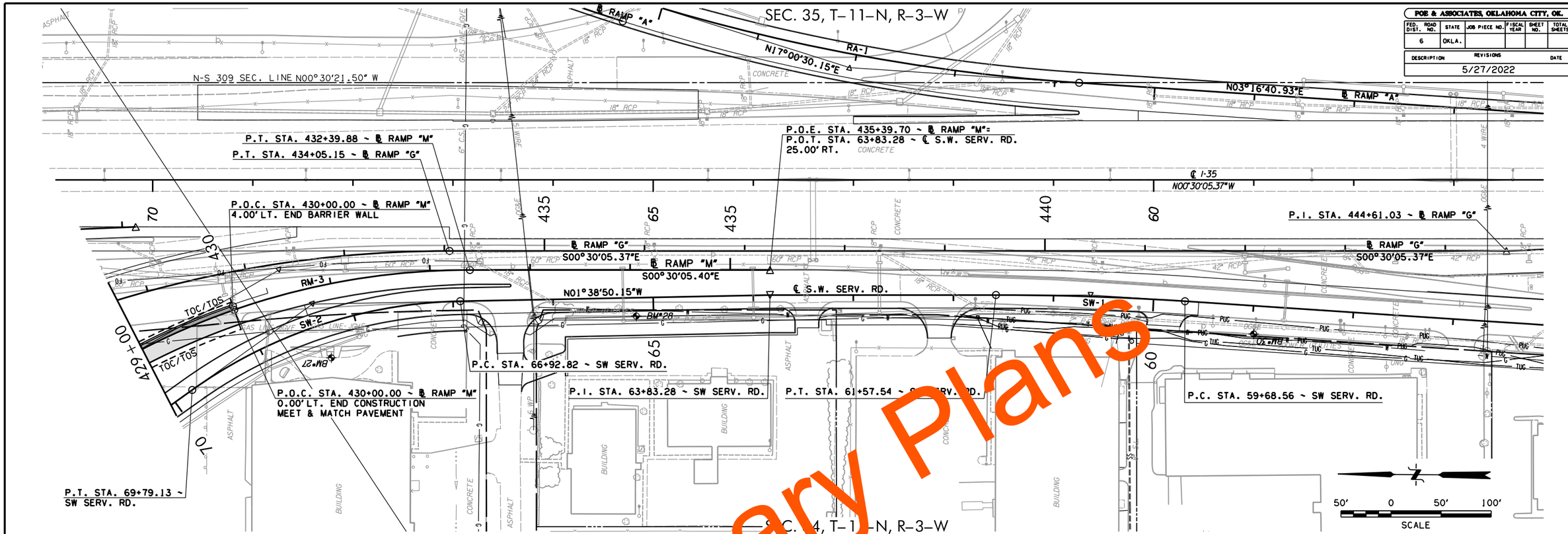
REVISIONS	
DESCRIPTION	DATE
	5/27/2022



VERT. SCALE: 1" = 10'

RAMP "M"

441 442 PHASE 2 443

STATE JOB NO. 09032(06) SHEET NO. R041

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Preliminary Plans

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
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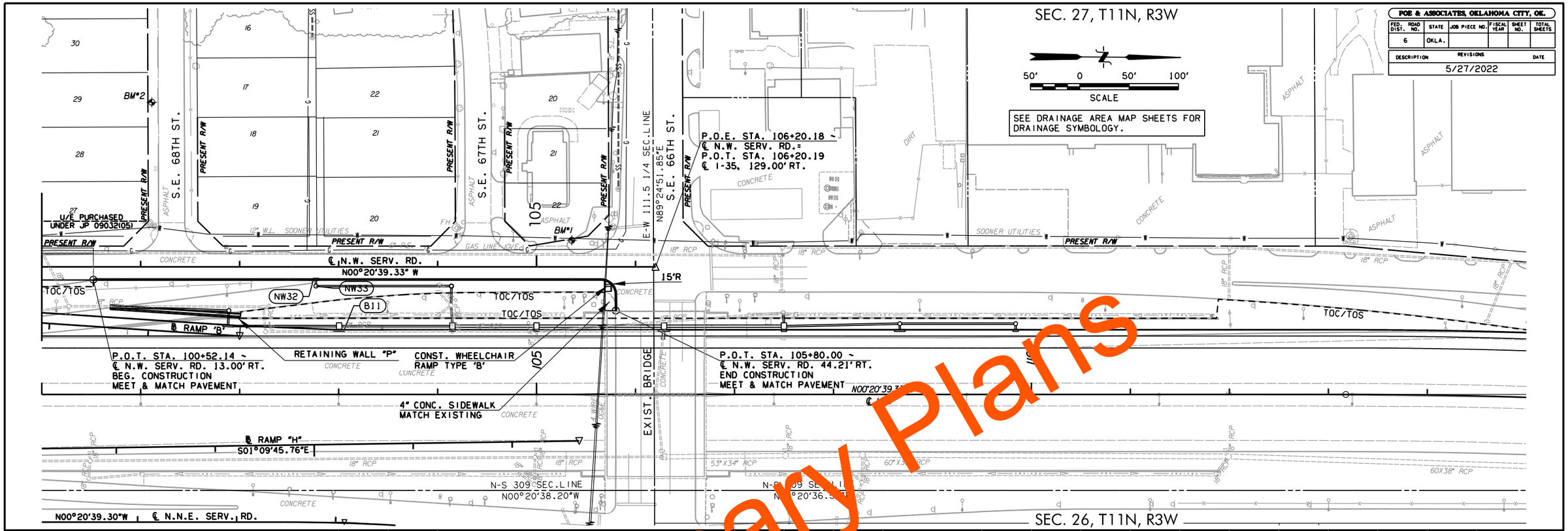

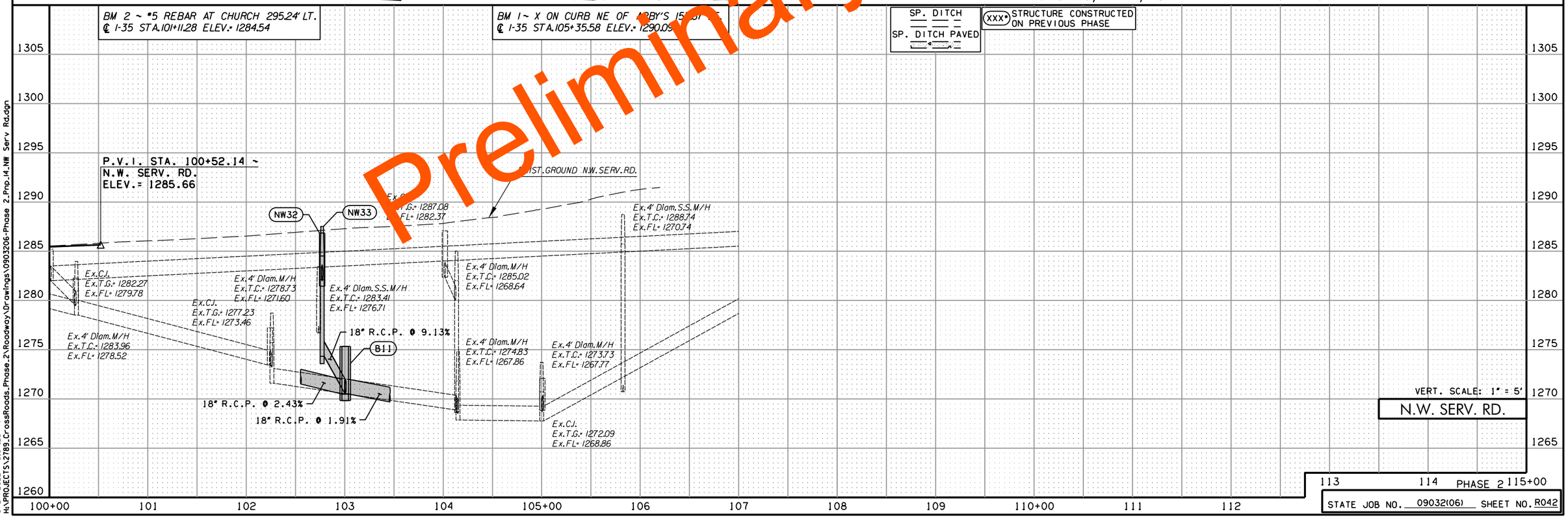

Preliminary Plans

STATE JOB NO. 09032(06) SHEET NO. R042

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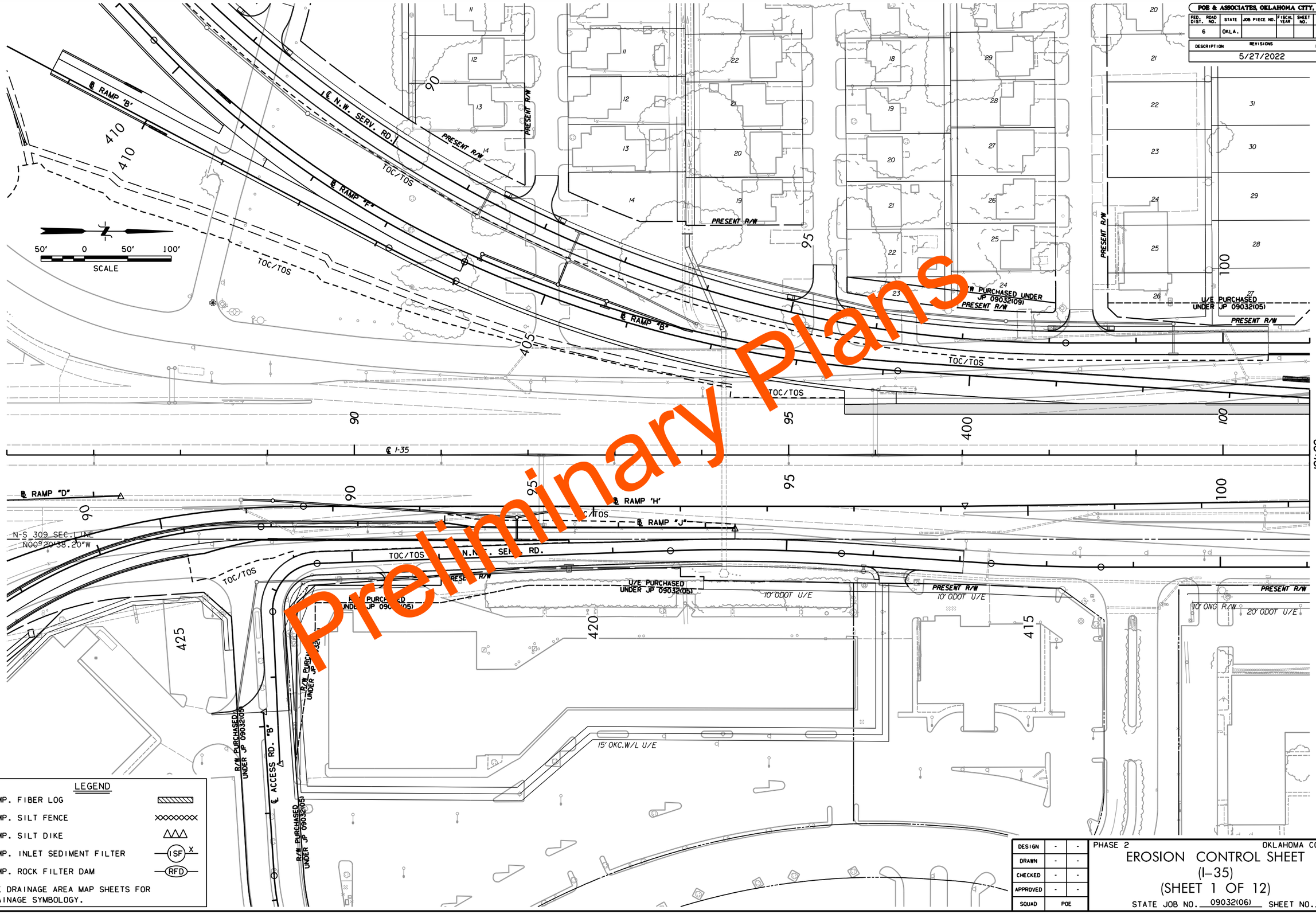
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



Preliminary Plans

LEGEND

- TEMP. FIBER LOG
- TEMP. SILT FENCE
- TEMP. SILT DIKE
- TEMP. INLET SEDIMENT FILTER — ISF X
- TEMP. ROCK FILTER DAM — RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 — OKLAHOMA COUNTY

EROSION CONTROL SHEET (I-35) (SHEET 1 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R043

5/27/2022 10:04:53 AM
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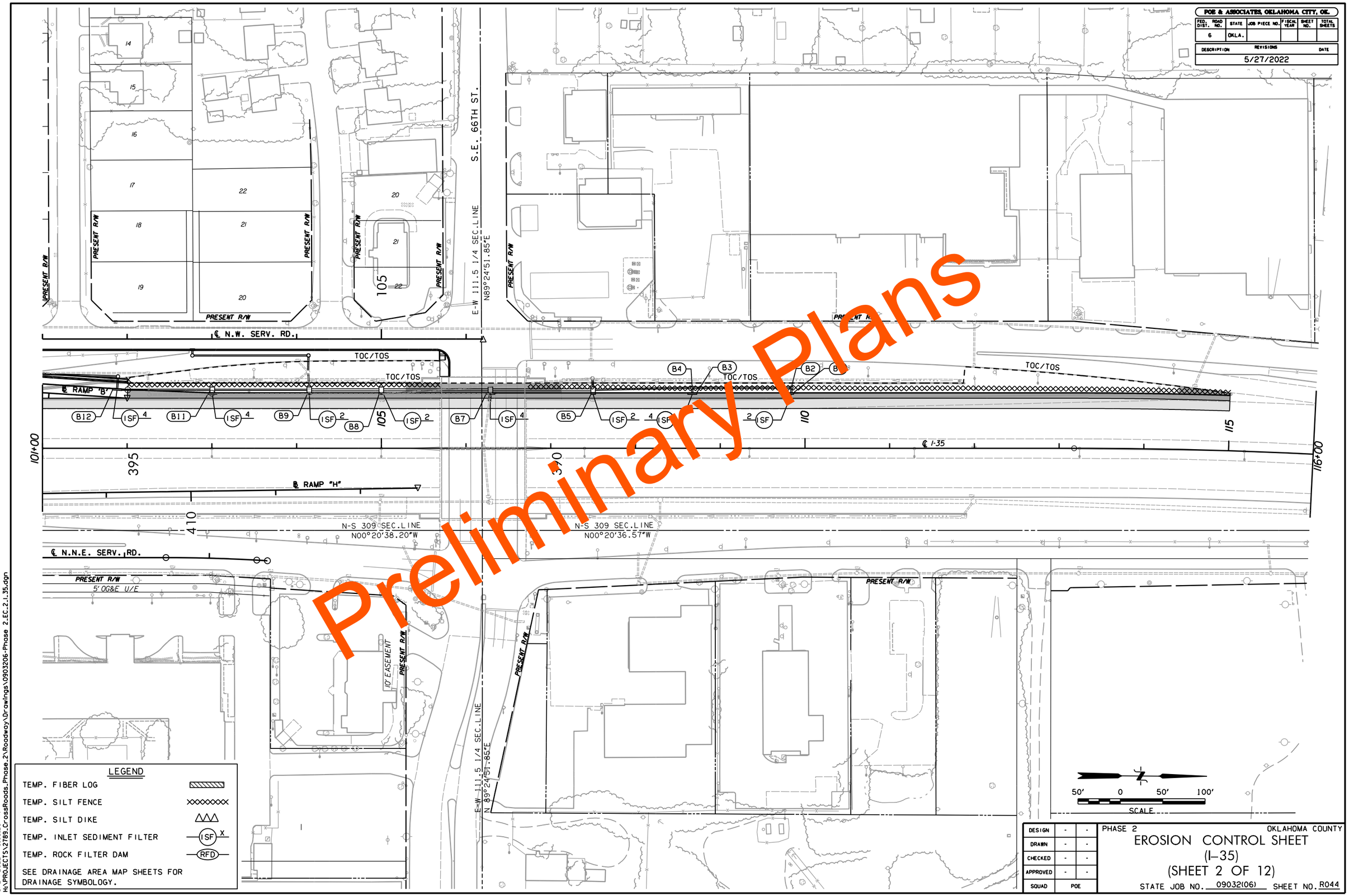
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



Preliminary Plans

LEGEND

- TEMP. FIBER LOG
- TEMP. SILT FENCE
- TEMP. SILT DIKE
- TEMP. INLET SEDIMENT FILTER — ISF X
- TEMP. ROCK FILTER DAM — RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 — OKLAHOMA COUNTY

EROSION CONTROL SHEET (I-35)

(SHEET 2 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R044

5/27/2022 10:05:20 AM
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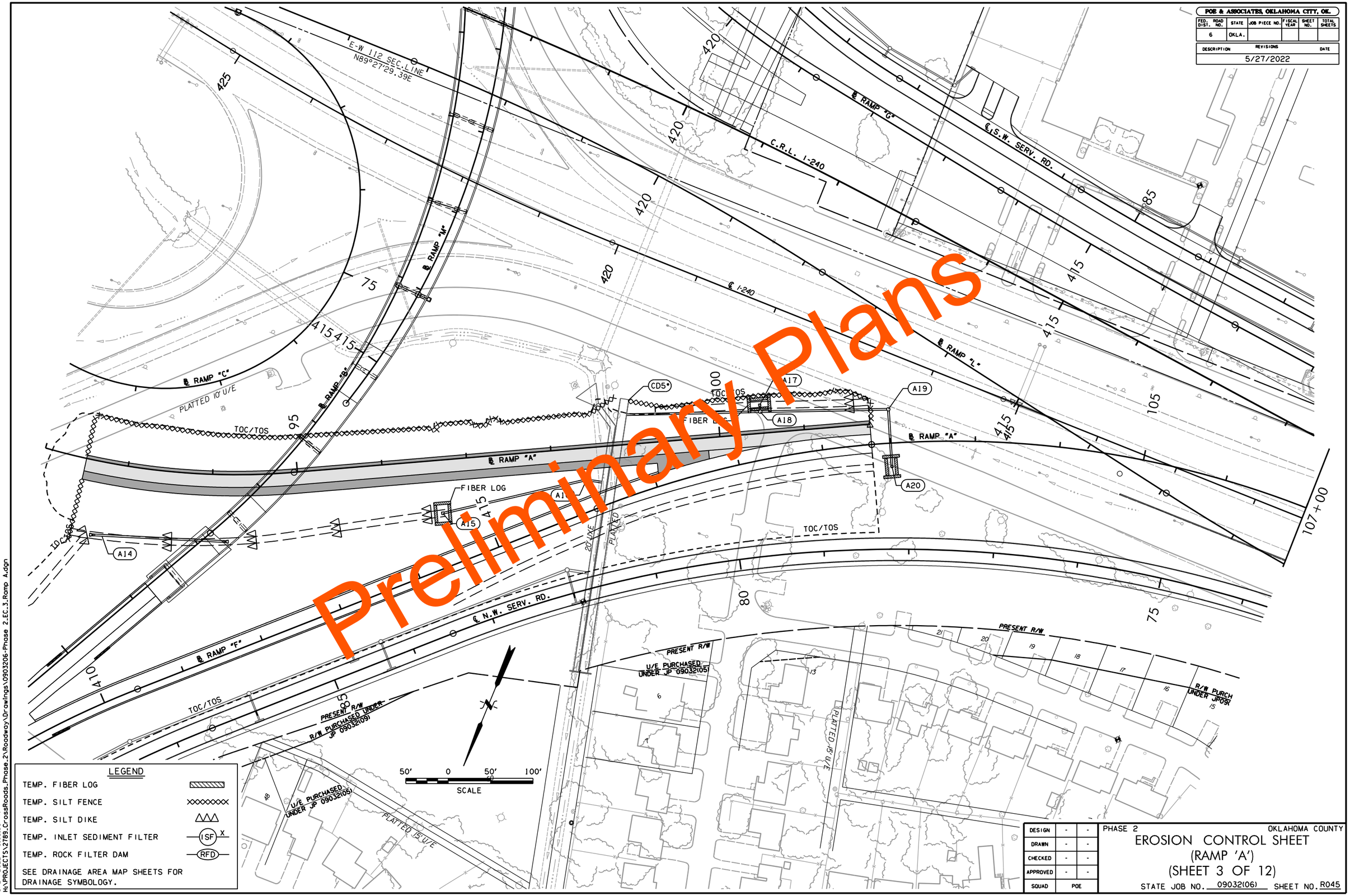
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



Preliminary Plans

LEGEND

TEMP. FIBER LOG	
TEMP. SILT FENCE	
TEMP. SILT DIKE	
TEMP. INLET SEDIMENT FILTER	ISF X
TEMP. ROCK FILTER DAM	RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 — OKLAHOMA COUNTY

EROSION CONTROL SHEET (RAMP 'A')

(SHEET 3 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R045

5/27/2022 10:05:50 AM
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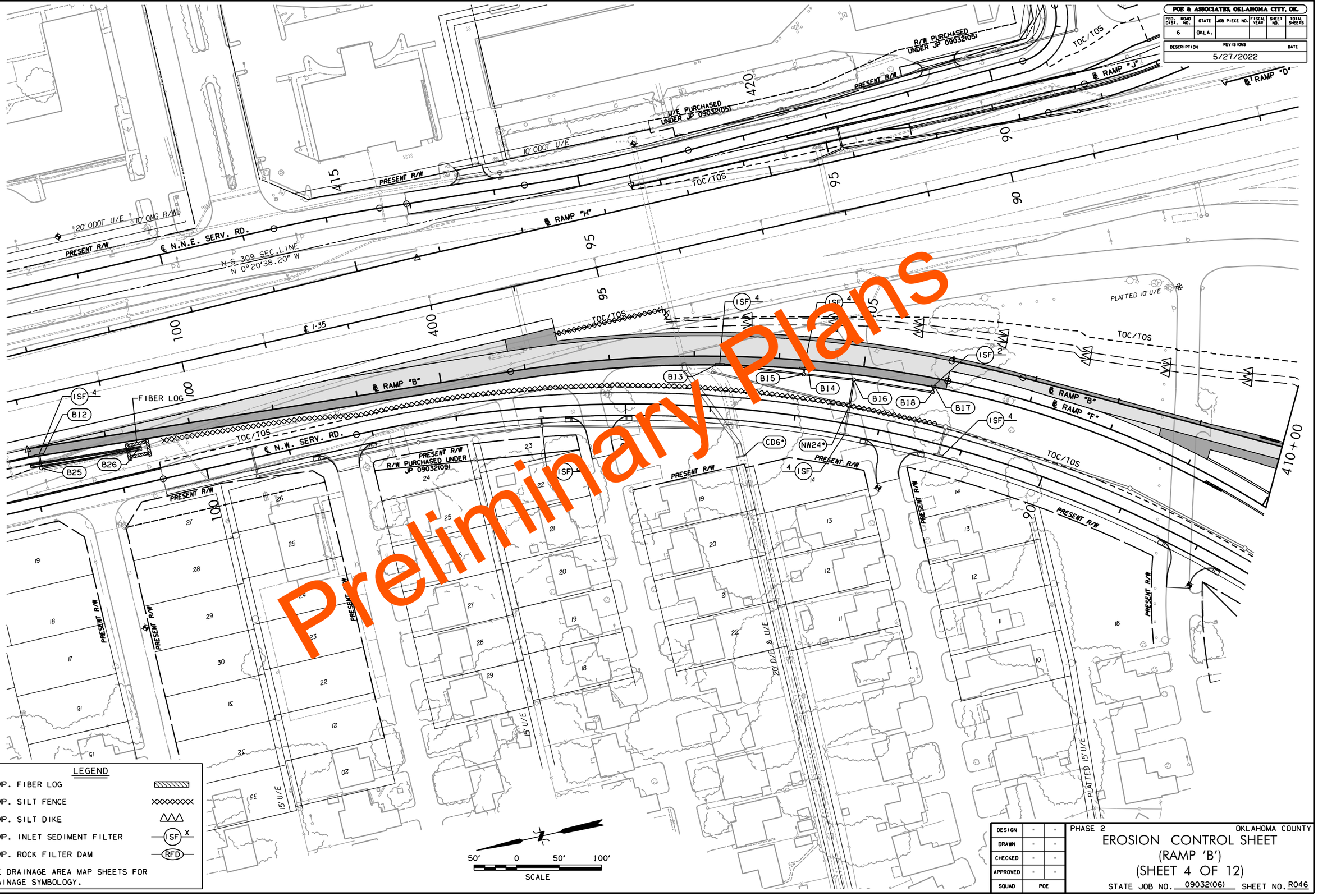
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



LEGEND

TEMP. FIBER LOG

TEMP. SILT FENCE

TEMP. SILT DIKE

TEMP. INLET SEDIMENT FILTER — ISF X

TEMP. ROCK FILTER DAM — RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

EROSION CONTROL SHEET (RAMP 'B') (SHEET 4 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R046

5/27/2022 10:06:18 AM
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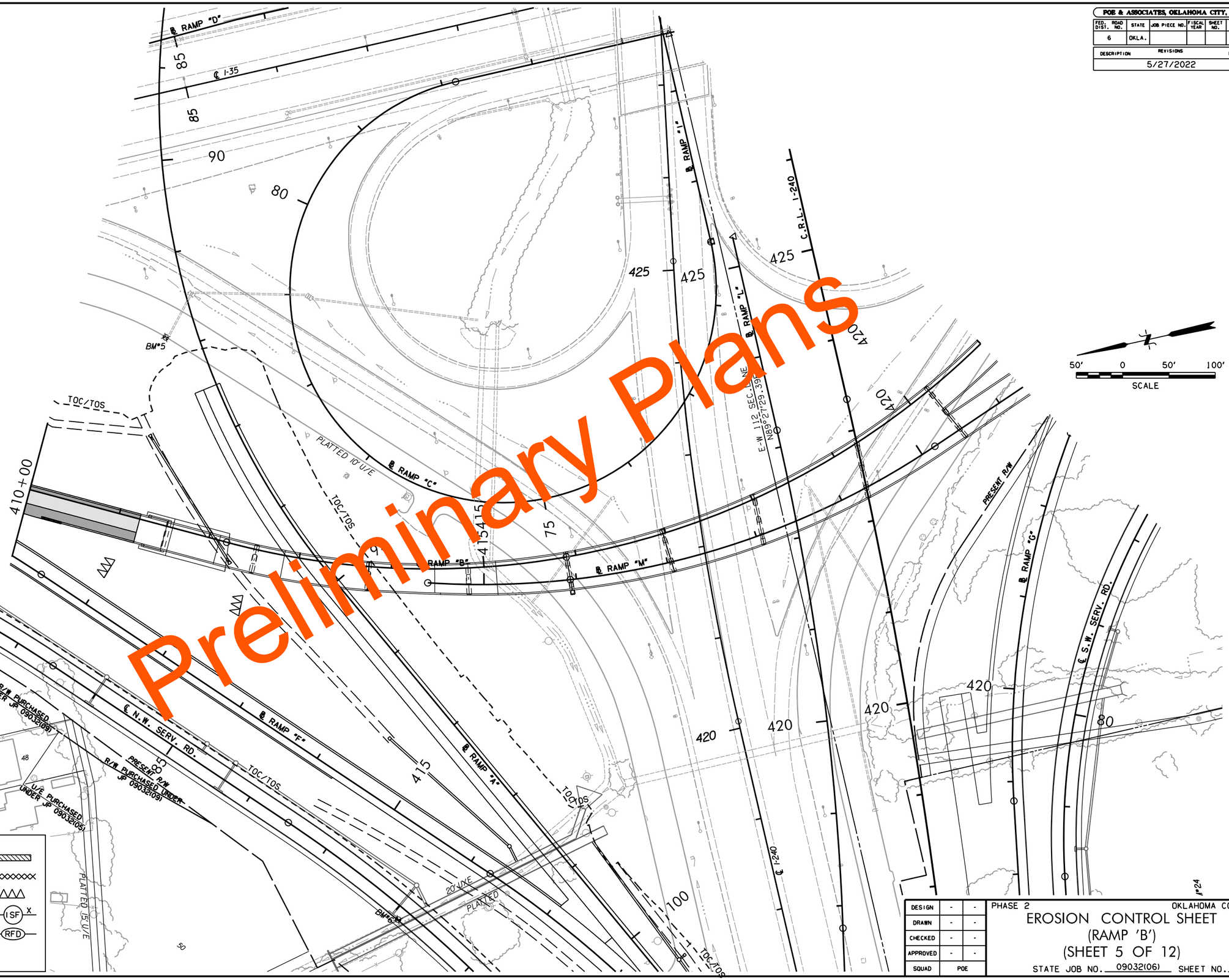
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	



LEGEND

- TEMP. FIBER LOG
- TEMP. SILT FENCE
- TEMP. SILT DIKE
- TEMP. INLET SEDIMENT FILTER (ISF) X
- TEMP. ROCK FILTER DAM (RFD)

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 — OKLAHOMA COUNTY

EROSION CONTROL SHEET (RAMP 'B') (SHEET 5 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R047

5/27/2022 10:06:48 AM
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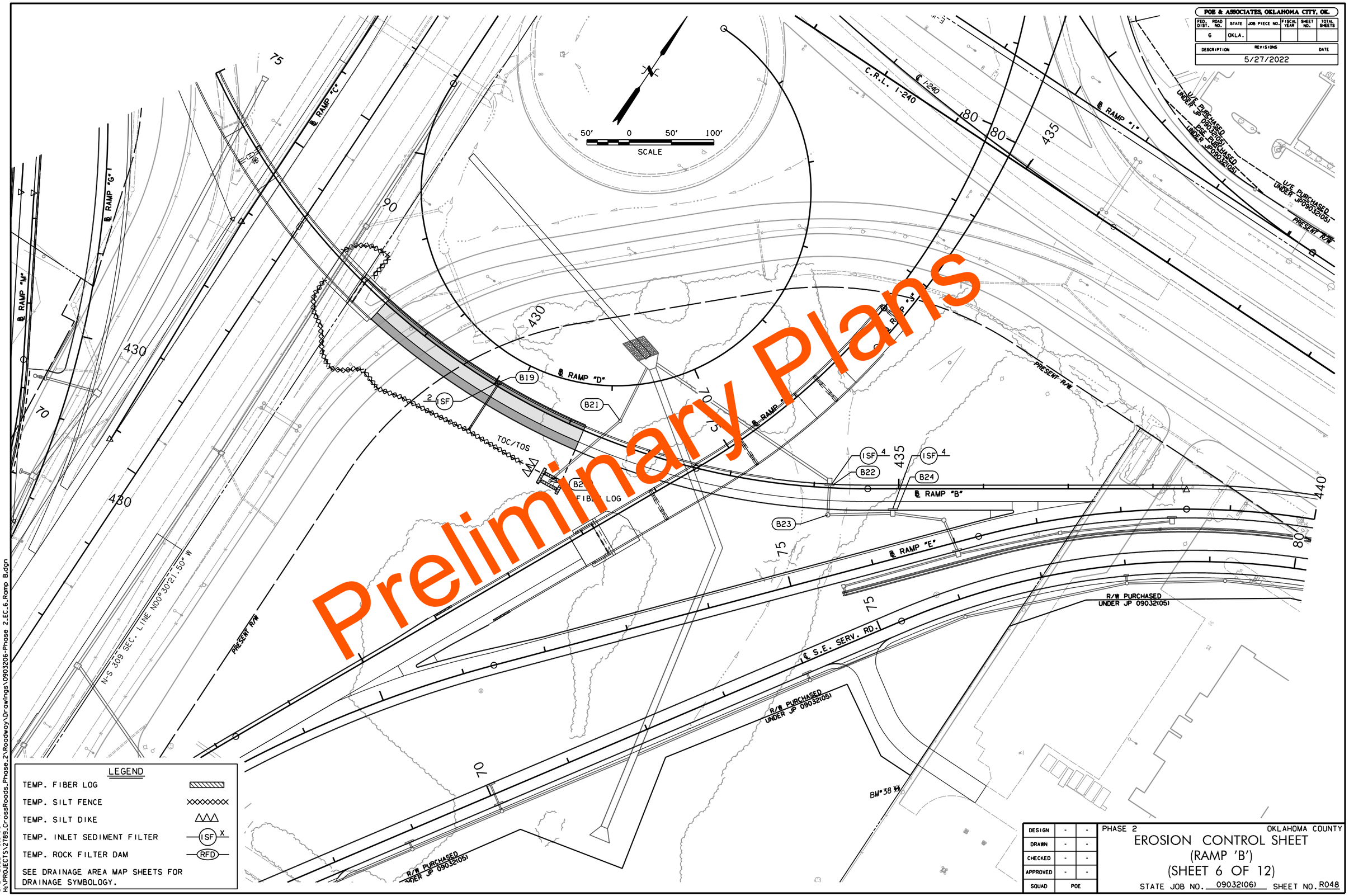
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



LEGEND

- TEMP. FIBER LOG
- TEMP. SILT FENCE
- TEMP. SILT DIKE
- TEMP. INLET SEDIMENT FILTER — ISF X
- TEMP. ROCK FILTER DAM — RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

EROSION CONTROL SHEET
(RAMP 'B')
(SHEET 6 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R048

5/27/2022 10:07:18 AM
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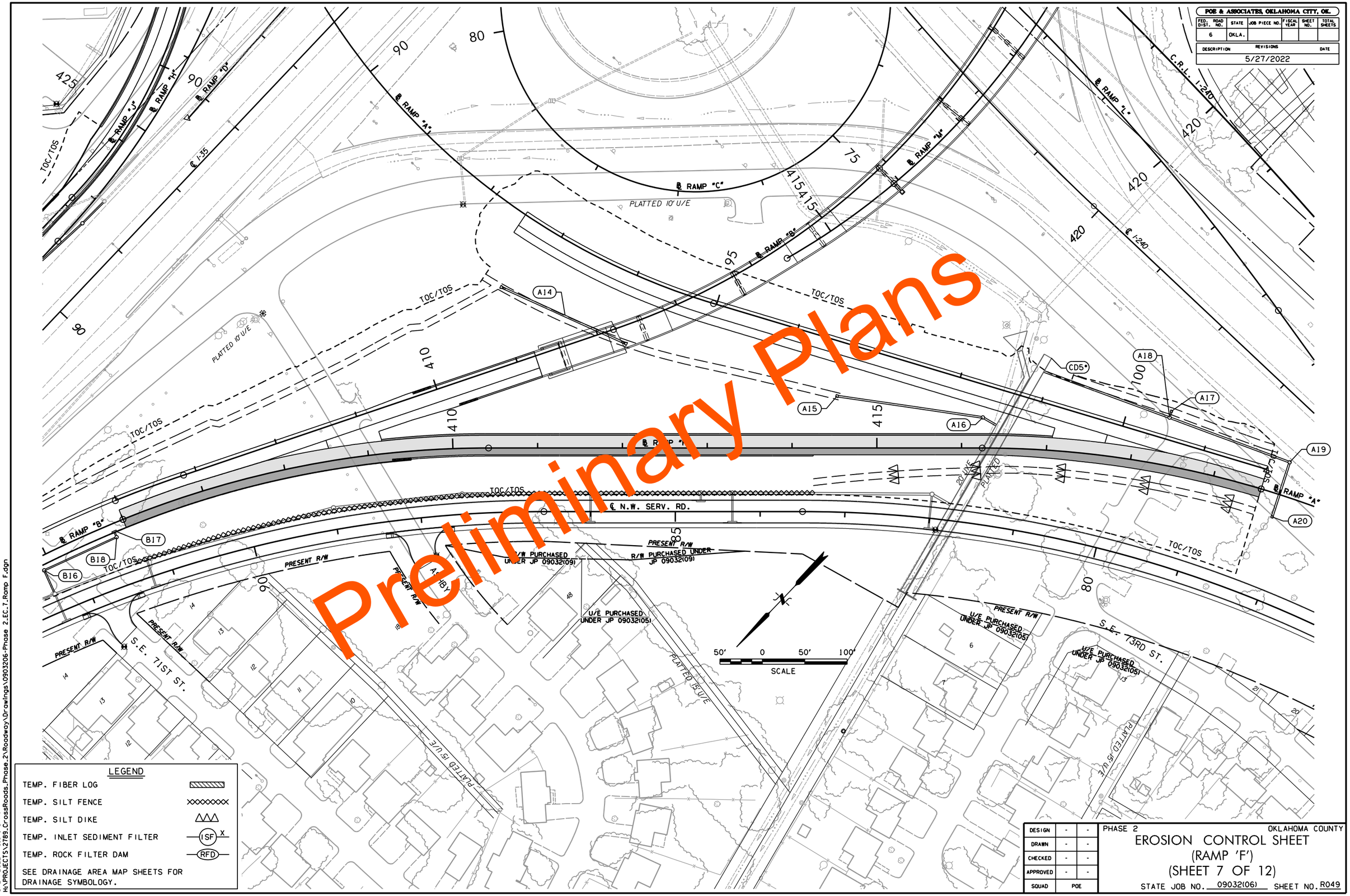
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



LEGEND

TEMP. FIBER LOG	
TEMP. SILT FENCE	
TEMP. SILT DIKE	
TEMP. INLET SEDIMENT FILTER	ISF X
TEMP. ROCK FILTER DAM	RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

EROSION CONTROL SHEET
(RAMP 'F')
(SHEET 7 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R049

5/27/2022 10:07:48 AM
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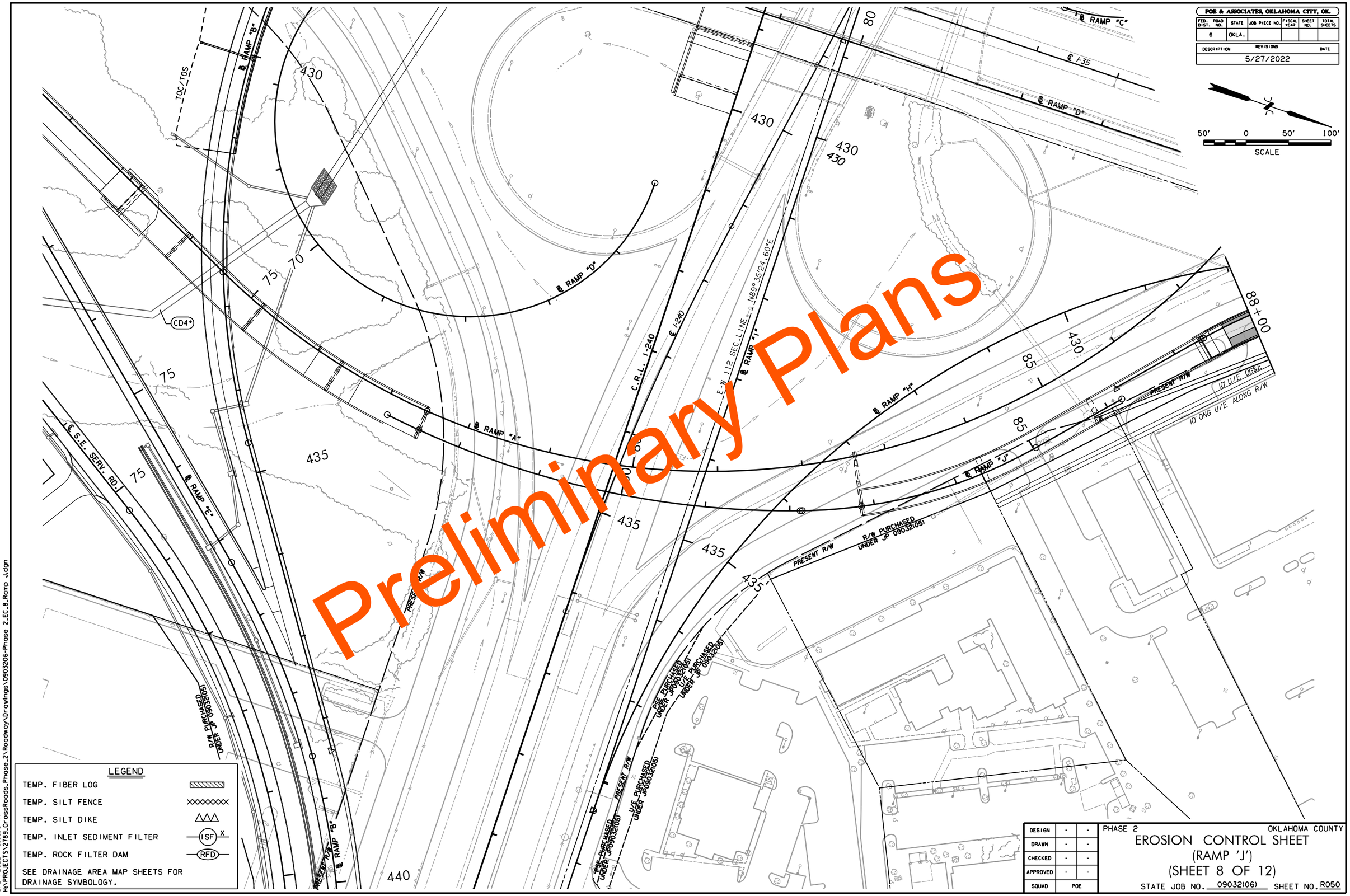
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



LEGEND

- TEMP. FIBER LOG
- TEMP. SILT FENCE
- TEMP. SILT DIKE
- TEMP. INLET SEDIMENT FILTER — ISF X
- TEMP. ROCK FILTER DAM — RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

EROSION CONTROL SHEET (RAMP 'J')

(SHEET 8 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R050

5/27/2022 10:08:48 AM
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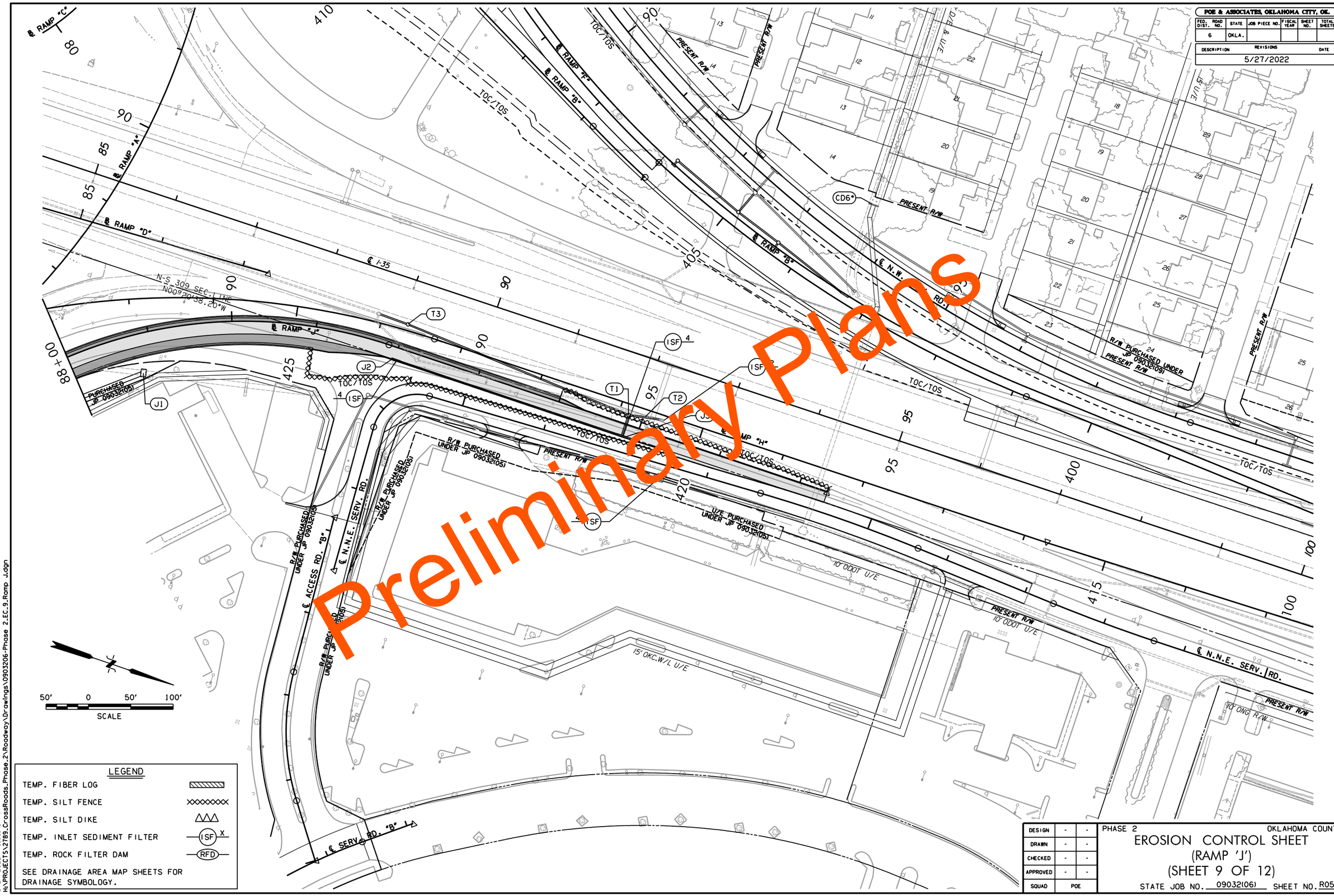
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



LEGEND

TEMP. FIBER LOG	
TEMP. SILT FENCE	
TEMP. SILT DIKE	
TEMP. INLET SEDIMENT FILTER	ISF X
TEMP. ROCK FILTER DAM	RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

EROSION CONTROL SHEET
(RAMP 'J')
(SHEET 9 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R051

5/27/2022 10:08:45 AM
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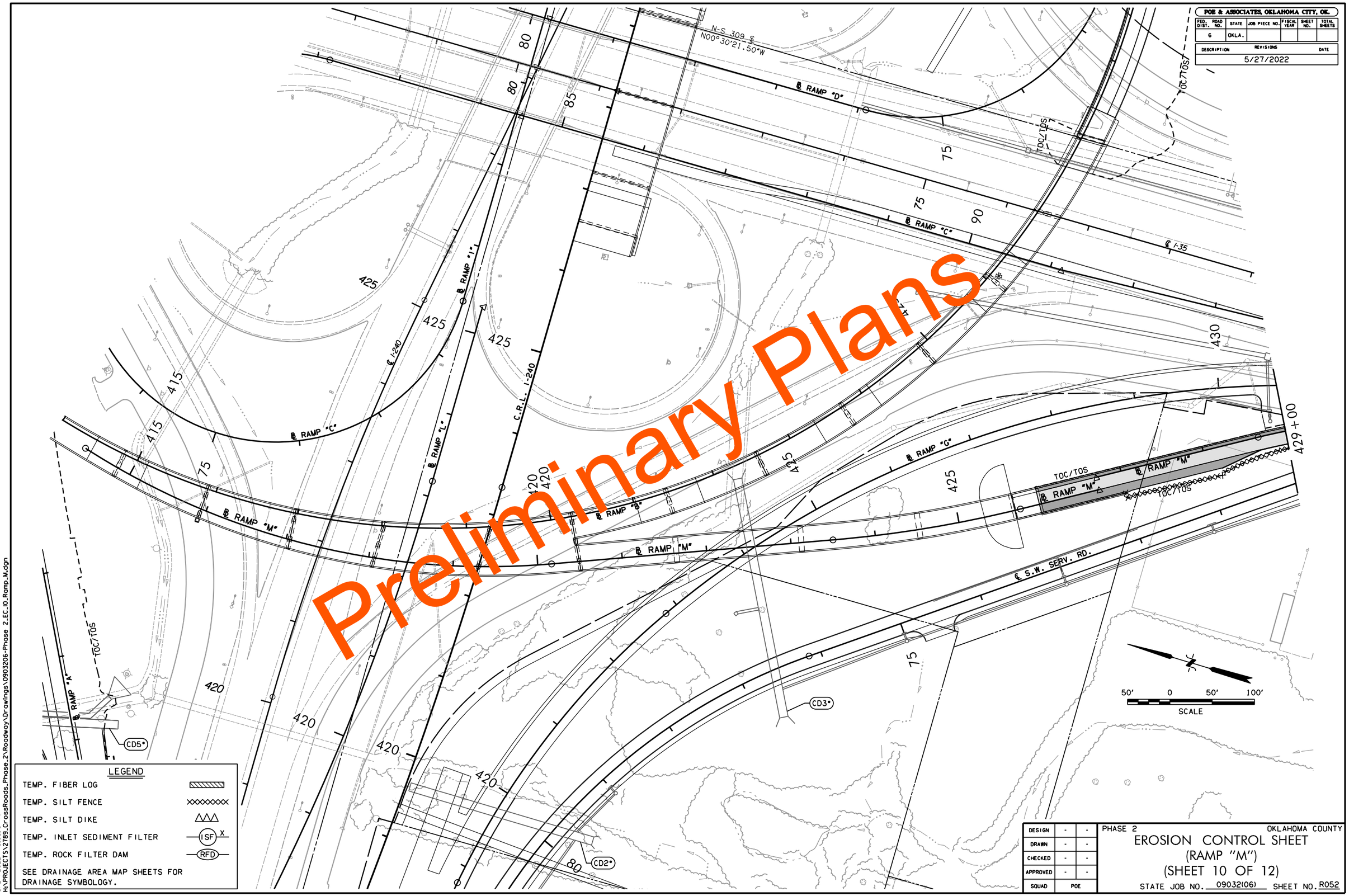
POE & ASSOCIATES, OKLAHOMA CITY, OK.
FED. ROAD DIST. NO. 6
STATE OKLA.
JOB PIECE NO.
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
REVISIONS
DESCRIPTION
DATE
5/27/2022
N-S 309 ±
N00°30'21.50"W
℄ RAMP "D"
℄ RAMP "C"
℄ I-35
℄ RAMP "I"
℄ RAMP "L"
C.R.L. I-240
℄ I-240
℄ RAMP "C"
℄ RAMP "M"
℄ RAMP "B"
℄ RAMP "G"
℄ RAMP "M"
℄ RAMP "M"
℄ S.W. SERV. RD.
℄ RAMP "A"
TOC/TOS
429+00
CD5*
CD3*
CD2*
Preliminary Plans
LEGEND
TEMP. FIBER LOG
TEMP. SILT FENCE
TEMP. SILT DIKE
TEMP. INLET SEDIMENT FILTER
ISF
TEMP. ROCK FILTER DAM
RFD
SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.
50' 0 50' 100'
SCALE
DESIGN
DRAWN
CHECKED
APPROVED
SQUAD
POE
PHASE 2
OKLAHOMA COUNTY
EROSION CONTROL SHEET
(RAMP "M")
(SHEET 10 OF 12)
STATE JOB NO. 09032(06)
SHEET NO. R052
5/27/2022 10:09:16 AM
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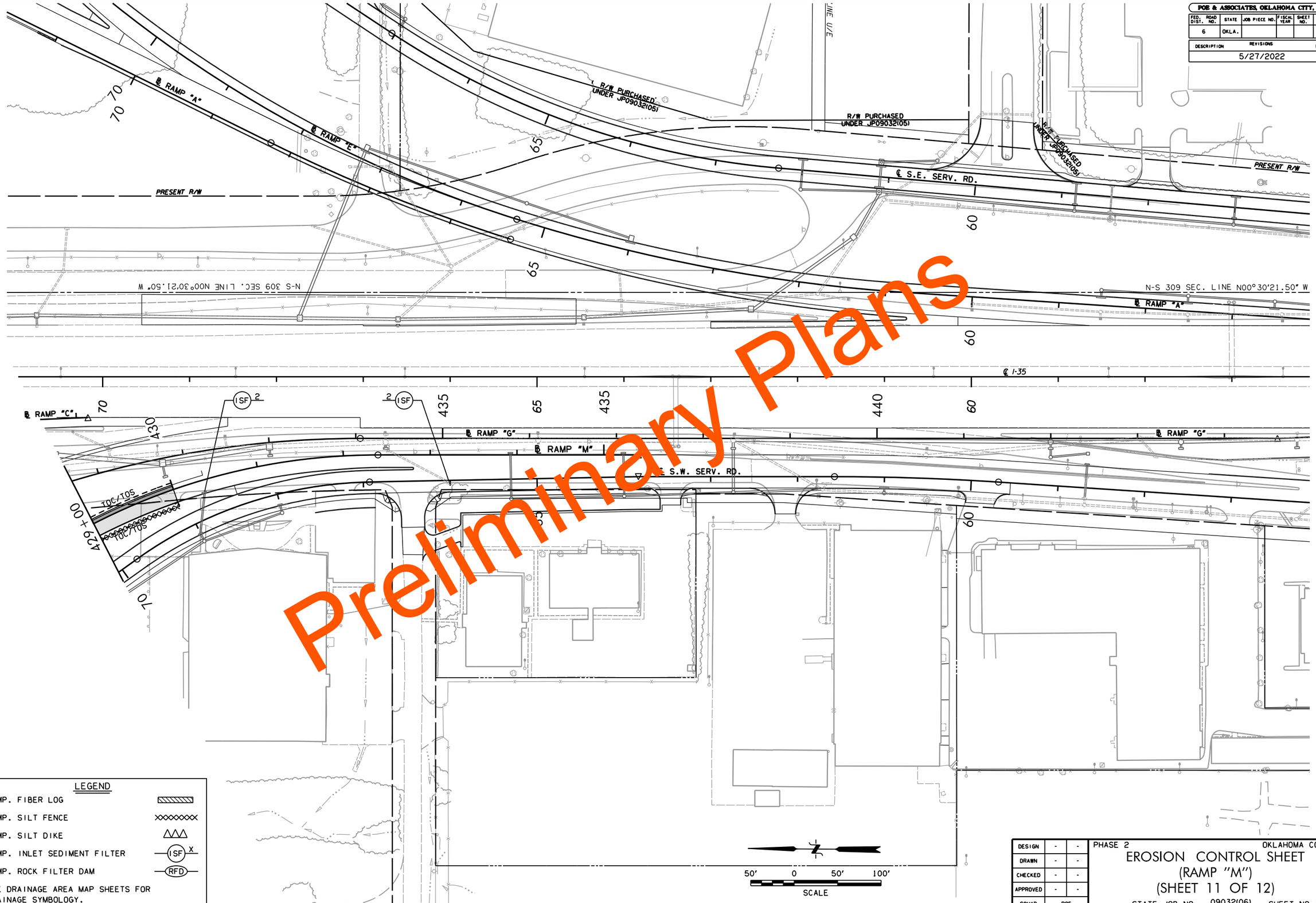
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



Preliminary Plans

LEGEND

TEMP. FIBER LOG	
TEMP. SILT FENCE	
TEMP. SILT DIKE	
TEMP. INLET SEDIMENT FILTER	ISF X
TEMP. ROCK FILTER DAM	RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

EROSION CONTROL SHEET
(RAMP "M")
(SHEET 11 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R053

5/27/2022 10:09:45 AM
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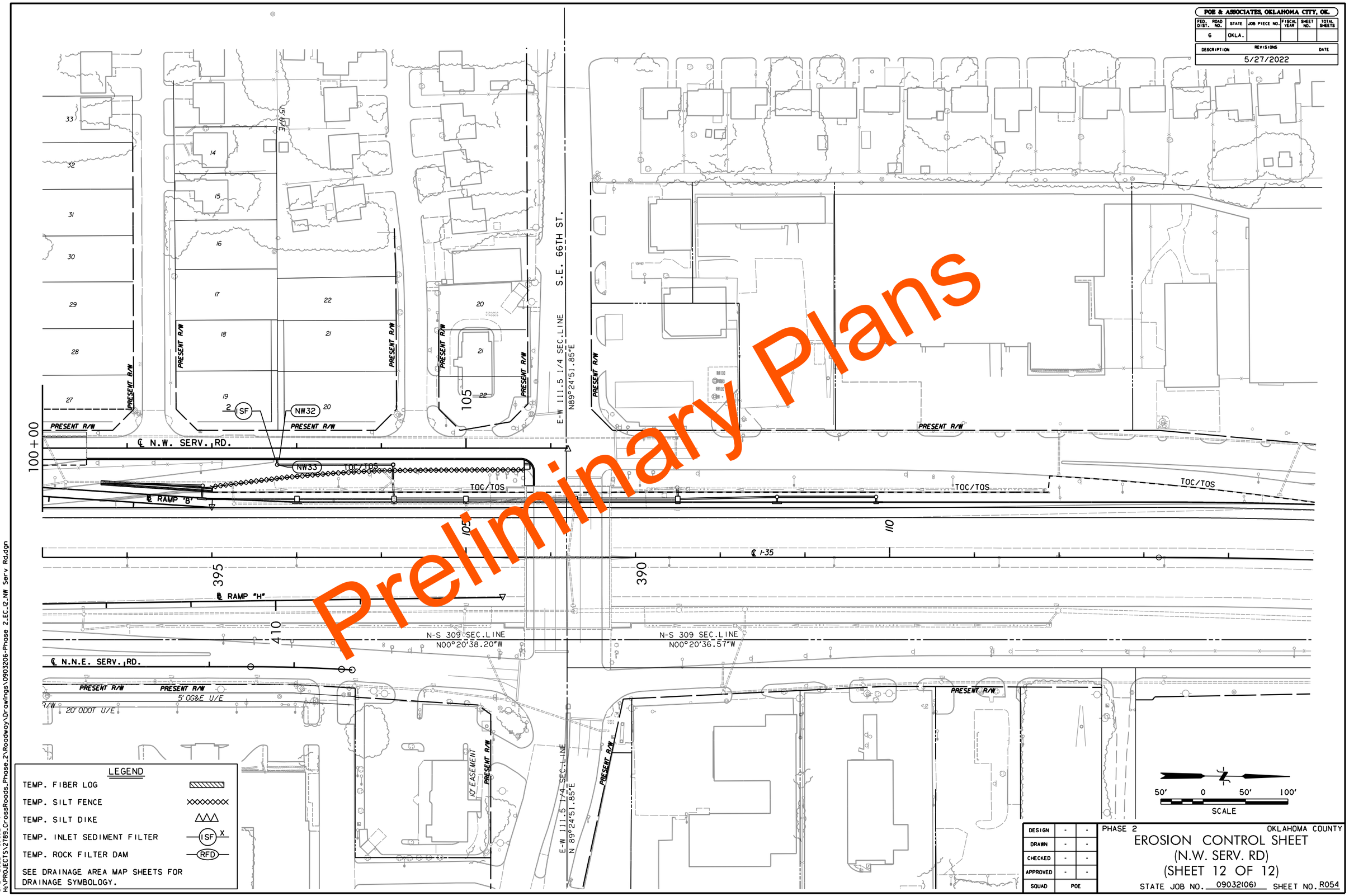
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



LEGEND

- TEMP. FIBER LOG
- TEMP. SILT FENCE
- TEMP. SILT DIKE
- TEMP. INLET SEDIMENT FILTER — ISF X
- TEMP. ROCK FILTER DAM — RFD

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 — OKLAHOMA COUNTY

EROSION CONTROL SHEET (N.W. SERV. RD) (SHEET 12 OF 12)

STATE JOB NO. 09032(06) SHEET NO. R054

5/27/2022 10:10:12 AM
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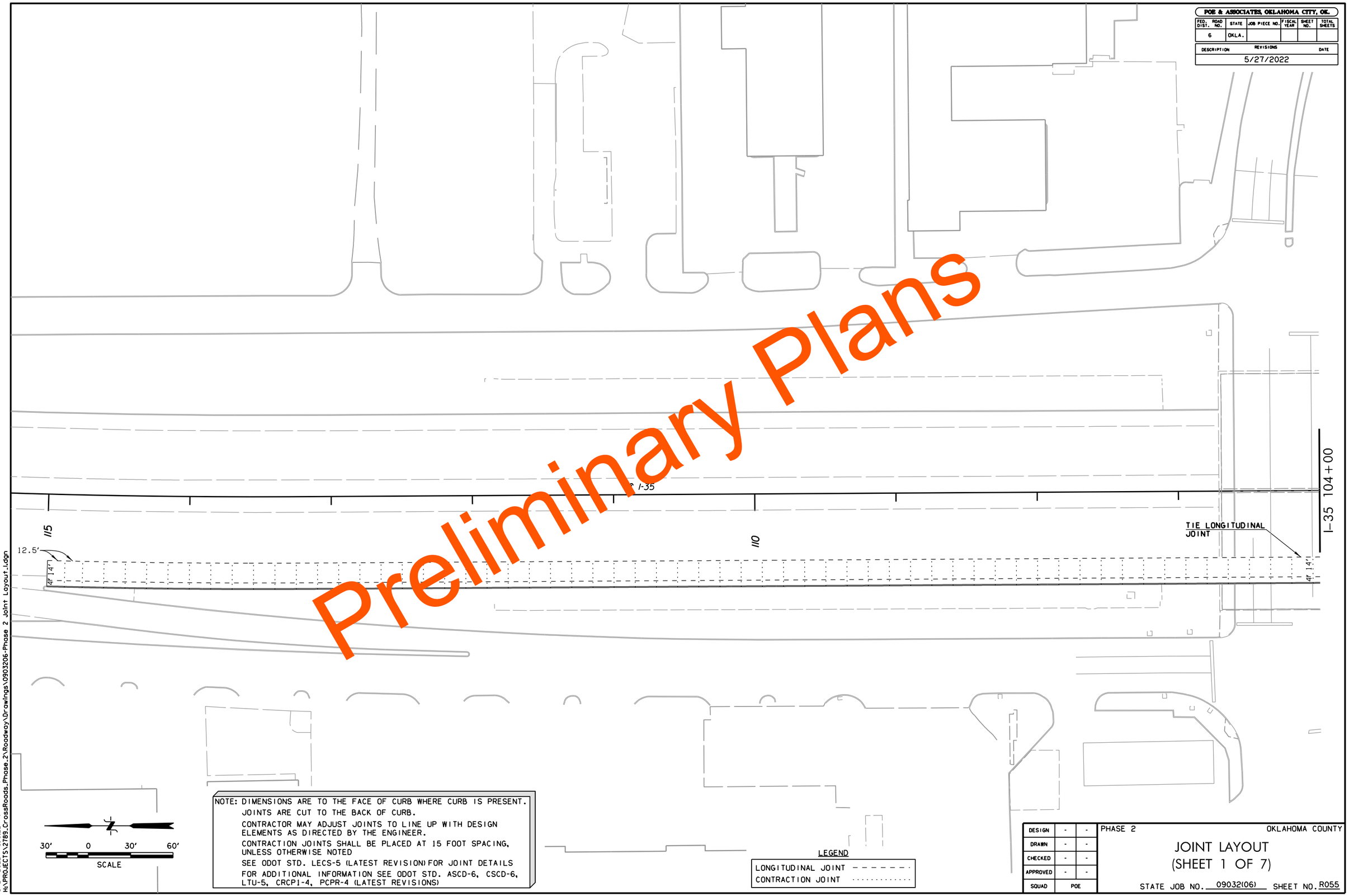
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



NOTE: DIMENSIONS ARE TO THE FACE OF CURB WHERE CURB IS PRESENT.
JOINTS ARE CUT TO THE BACK OF CURB.
CONTRACTOR MAY ADJUST JOINTS TO LINE UP WITH DESIGN ELEMENTS AS DIRECTED BY THE ENGINEER.
CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT SPACING, UNLESS OTHERWISE NOTED
SEE ODOT STD. LECS-5 (LATEST REVISION) FOR JOINT DETAILS
FOR ADDITIONAL INFORMATION SEE ODOT STD. ASCD-6, CSCD-6, LTU-5, CRCP1-4, PCPR-4 (LATEST REVISIONS)

LEGEND

LONGITUDINAL JOINT - - - - - - -
CONTRACTION JOINT . . . . . .

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

JOINT LAYOUT
(SHEET 1 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R055

5/27/2022 10:10:22 AM
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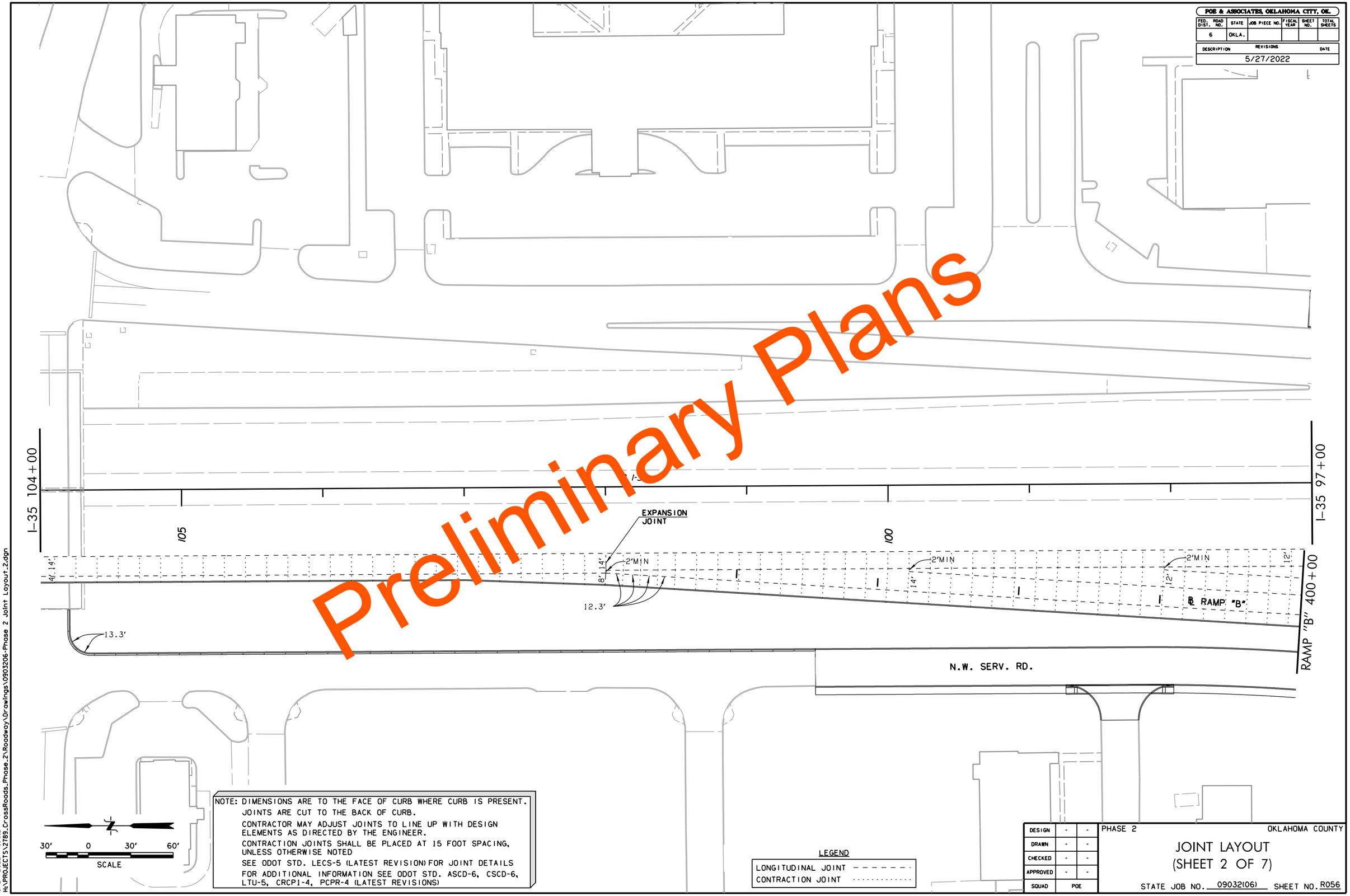
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



NOTE: DIMENSIONS ARE TO THE FACE OF CURB WHERE CURB IS PRESENT.
JOINTS ARE CUT TO THE BACK OF CURB.
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CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT SPACING, UNLESS OTHERWISE NOTED
SEE ODOT STD. LECS-5 (LATEST REVISION) FOR JOINT DETAILS
FOR ADDITIONAL INFORMATION SEE ODOT STD. ASCD-6, CSCD-6, LTU-5, CRCP1-4, PCPR-4 (LATEST REVISIONS)

LEGEND

LONGITUDINAL JOINT - - - - - - -
CONTRACTION JOINT . . . . . .

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

JOINT LAYOUT
(SHEET 2 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R056

5/27/2022 10:10:24 AM
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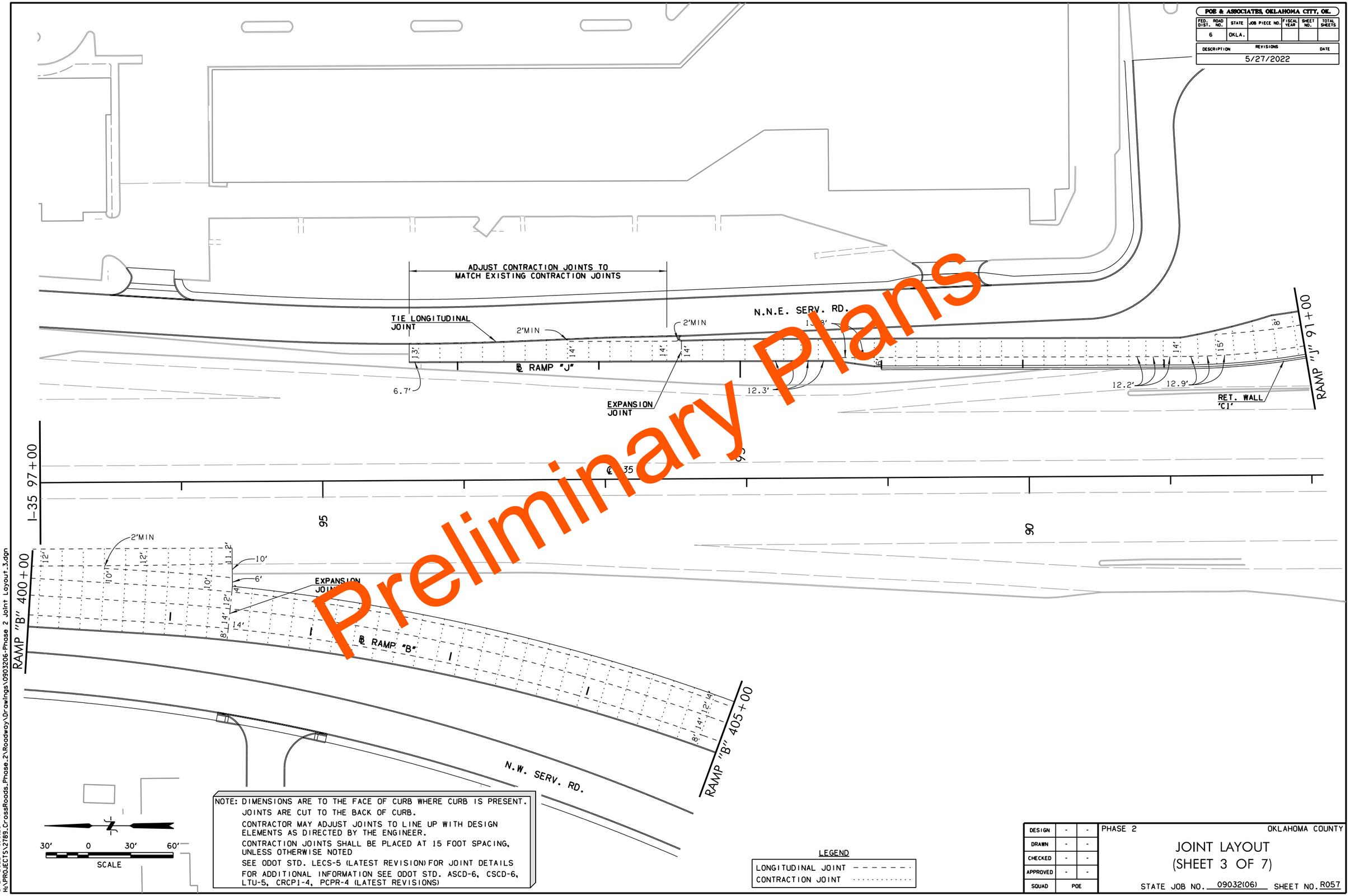
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



NOTE: DIMENSIONS ARE TO THE FACE OF CURB WHERE CURB IS PRESENT.
JOINTS ARE CUT TO THE BACK OF CURB.
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CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT SPACING, UNLESS OTHERWISE NOTED
SEE ODOT STD. LECS-5 (LATEST REVISION) FOR JOINT DETAILS
FOR ADDITIONAL INFORMATION SEE ODOT STD. ASCD-6, CSCD-6, LTU-5, CRCP1-4, PCPR-4 (LATEST REVISIONS)

LEGEND

LONGITUDINAL JOINT - - - - - - -
CONTRACTION JOINT . . . . . .

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

JOINT LAYOUT (SHEET 3 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R057

5/27/2022 10:10:28 AM
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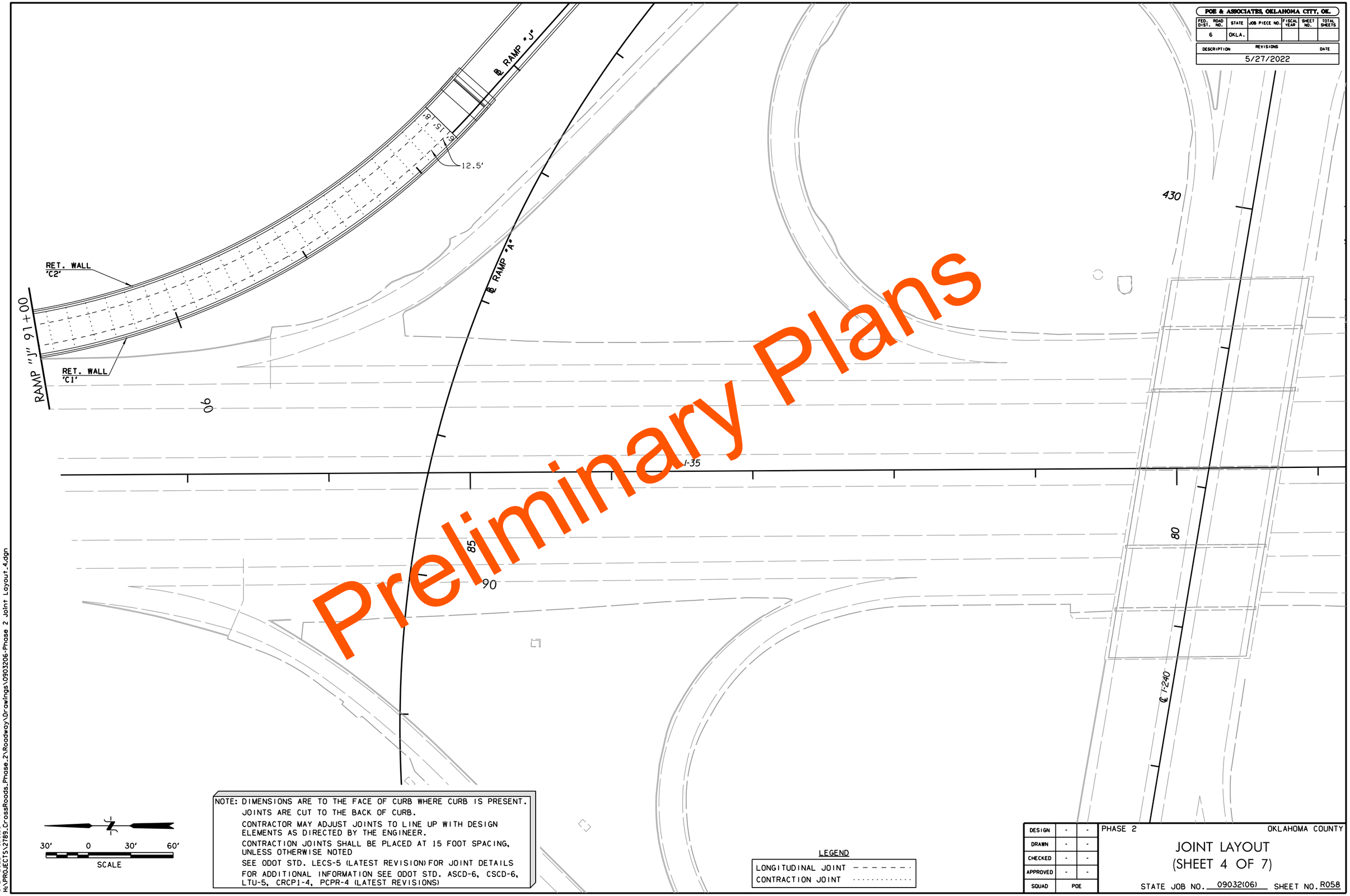
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



NOTE: DIMENSIONS ARE TO THE FACE OF CURB WHERE CURB IS PRESENT.
JOINTS ARE CUT TO THE BACK OF CURB.
CONTRACTOR MAY ADJUST JOINTS TO LINE UP WITH DESIGN ELEMENTS AS DIRECTED BY THE ENGINEER.
CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT SPACING, UNLESS OTHERWISE NOTED
SEE ODOT STD. LECS-5 (LATEST REVISION) FOR JOINT DETAILS
FOR ADDITIONAL INFORMATION SEE ODOT STD. ASCD-6, CSCD-6, LTU-5, CRCP1-4, PCPR-4 (LATEST REVISIONS)

LEGEND

LONGITUDINAL JOINT - - - - - - -
CONTRACTION JOINT . . . . . .

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

JOINT LAYOUT (SHEET 4 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R058

5/27/2022 10:40:33 AM
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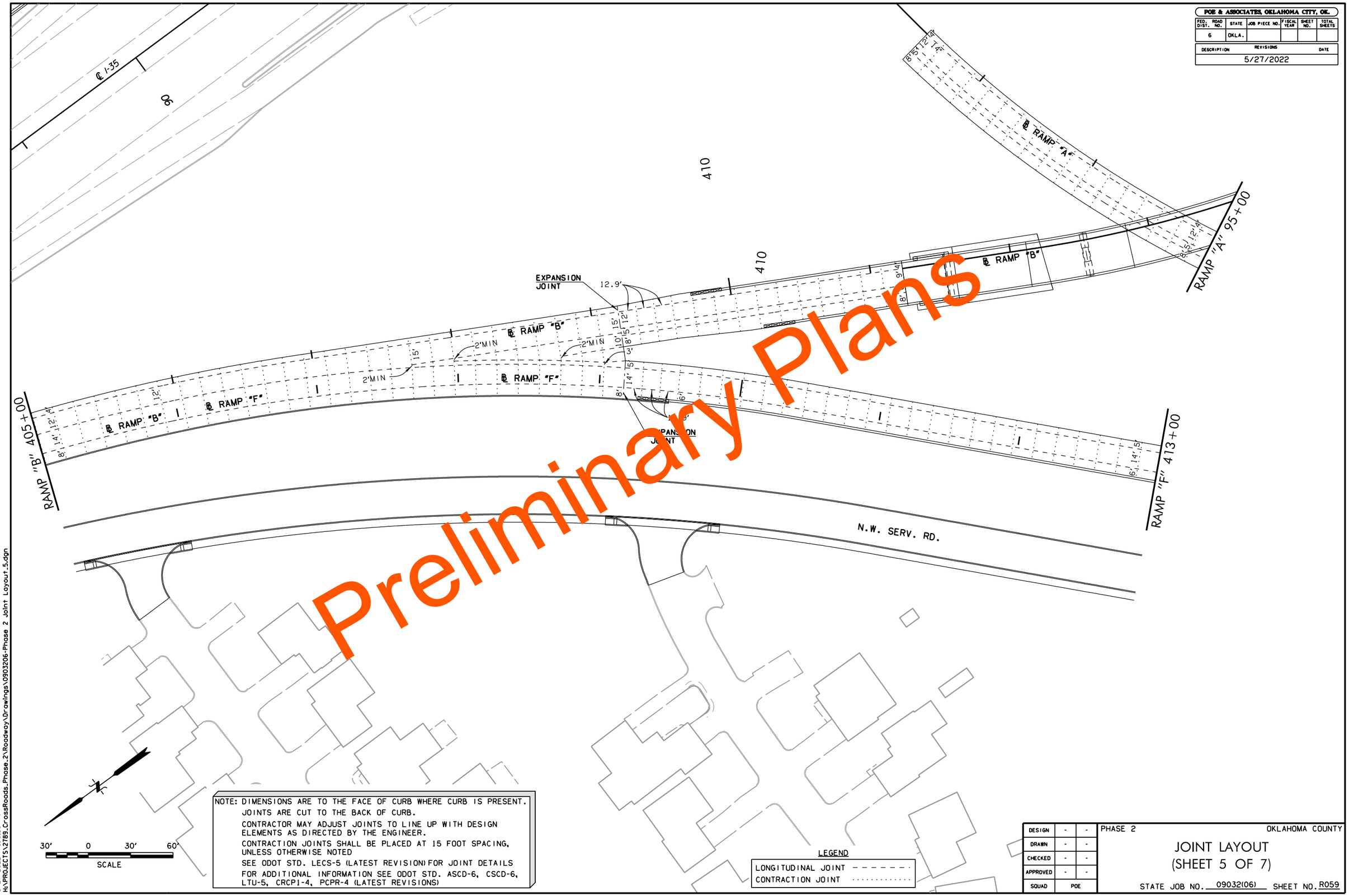
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



NOTE: DIMENSIONS ARE TO THE FACE OF CURB WHERE CURB IS PRESENT.
JOINTS ARE CUT TO THE BACK OF CURB.
CONTRACTOR MAY ADJUST JOINTS TO LINE UP WITH DESIGN ELEMENTS AS DIRECTED BY THE ENGINEER.
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SEE ODOT STD. LECS-5 (LATEST REVISION) FOR JOINT DETAILS
FOR ADDITIONAL INFORMATION SEE ODOT STD. ASCD-6, CSCD-6, LTU-5, CRCP1-4, PCPR-4 (LATEST REVISIONS)

30' 0 30' 60'
SCALE

LEGEND
LONGITUDINAL JOINT - - - - - - -
CONTRACTION JOINT . . . . . .

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

JOINT LAYOUT
(SHEET 5 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R059

5/27/2022 10:10:36 AM
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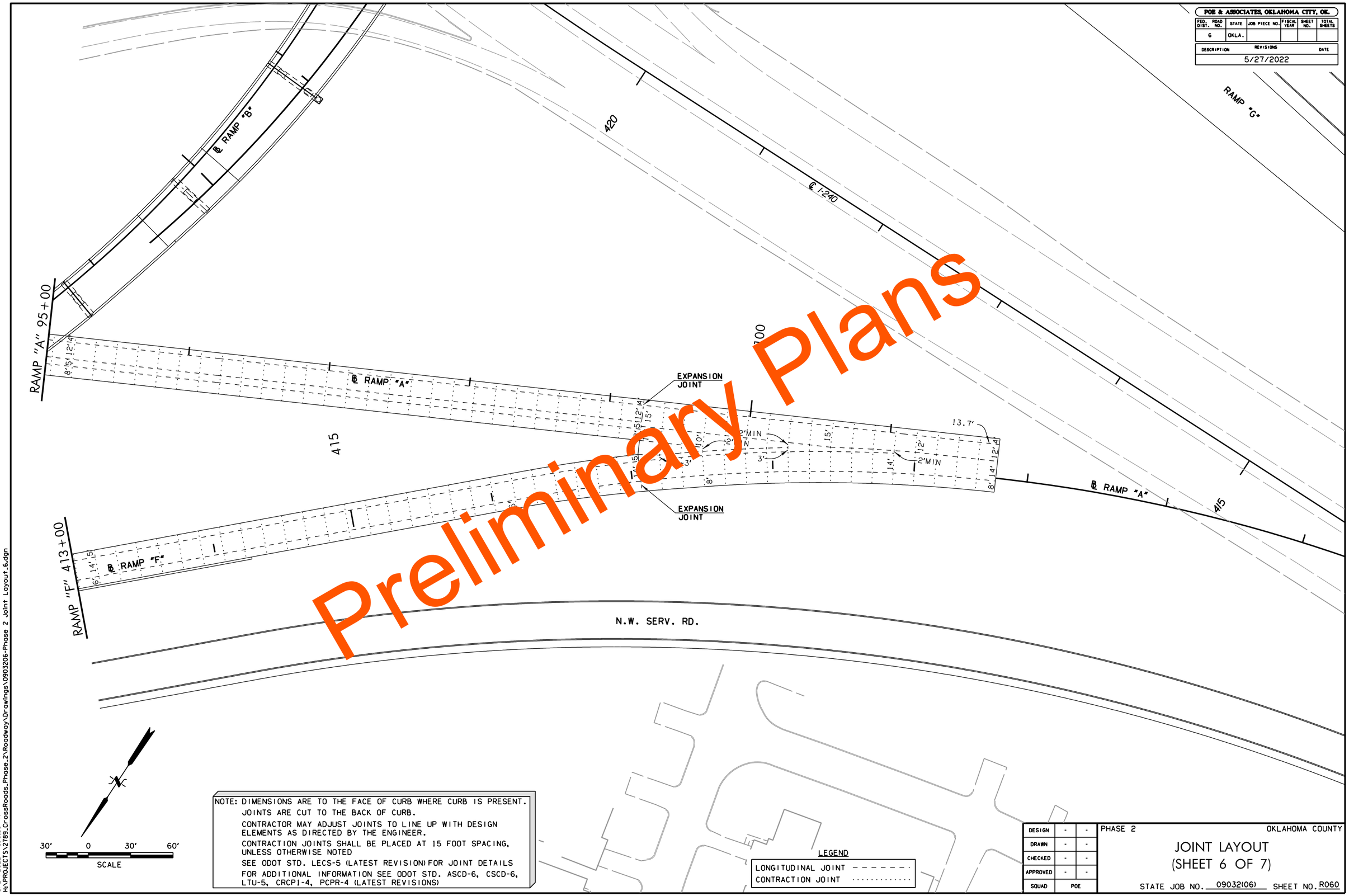
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



NOTE: DIMENSIONS ARE TO THE FACE OF CURB WHERE CURB IS PRESENT.
JOINTS ARE CUT TO THE BACK OF CURB.
CONTRACTOR MAY ADJUST JOINTS TO LINE UP WITH DESIGN ELEMENTS AS DIRECTED BY THE ENGINEER.
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SEE ODOT STD. LECS-5 (LATEST REVISION) FOR JOINT DETAILS
FOR ADDITIONAL INFORMATION SEE ODOT STD. ASCD-6, CSCD-6, LTU-5, CRCP1-4, PCPR-4 (LATEST REVISIONS)

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

JOINT LAYOUT
(SHEET 6 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R060

Preliminary Plans

5/27/2022 10:10:39 AM
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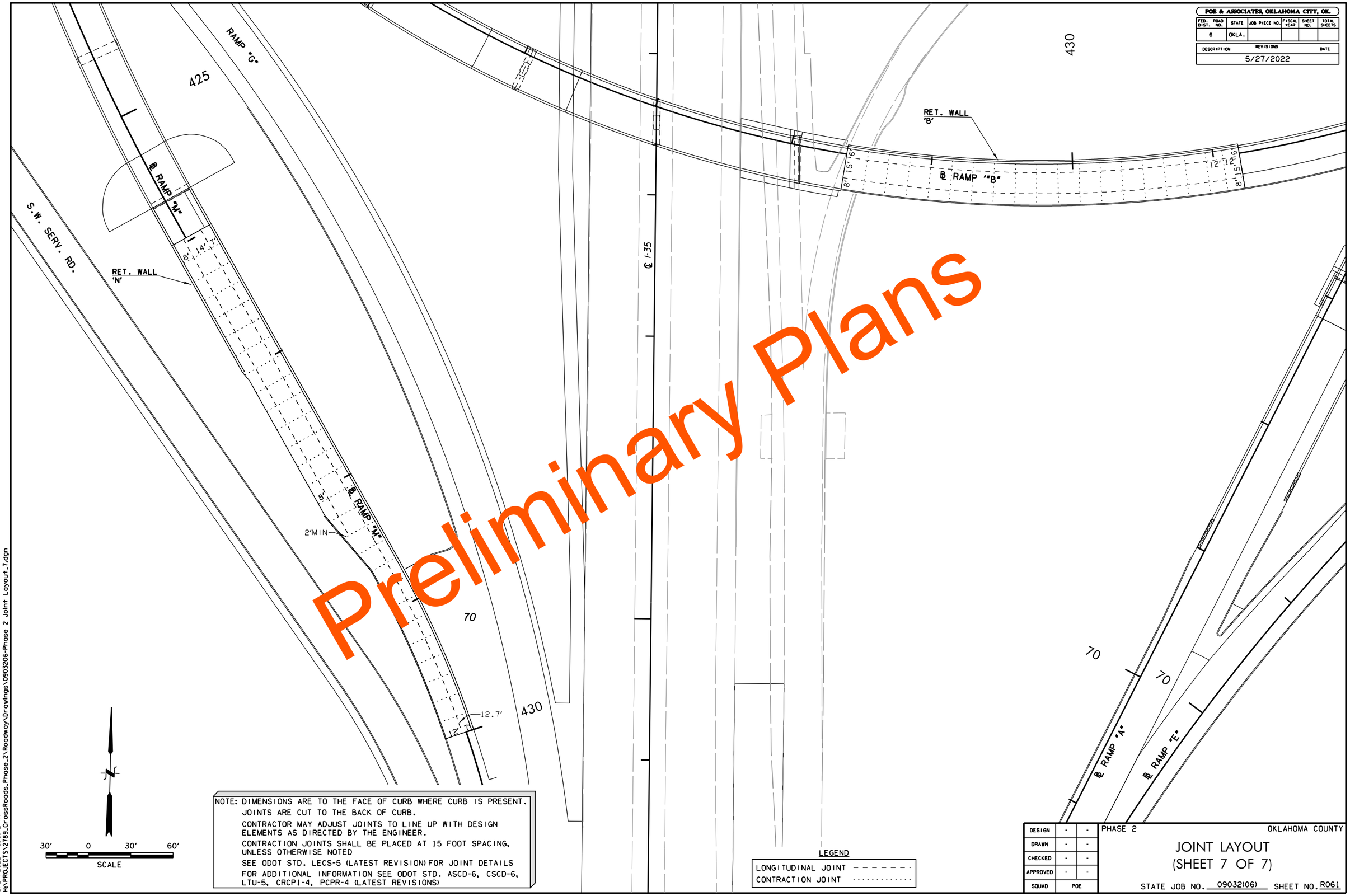
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



Preliminary Plans

NOTE: DIMENSIONS ARE TO THE FACE OF CURB WHERE CURB IS PRESENT.
JOINTS ARE CUT TO THE BACK OF CURB.
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CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT SPACING, UNLESS OTHERWISE NOTED
SEE ODOT STD. LECS-5 (LATEST REVISION) FOR JOINT DETAILS
FOR ADDITIONAL INFORMATION SEE ODOT STD. ASCD-6, CSCD-6, LTU-5, CRCP1-4, PCPR-4 (LATEST REVISIONS)

LEGEND

LONGITUDINAL JOINT - - - - - - -
CONTRACTION JOINT . . . . . .

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

JOINT LAYOUT (SHEET 7 OF 7)

STATE JOB NO. 09032(06) SHEET NO. R061

5/27/2022 10:10:42 AM
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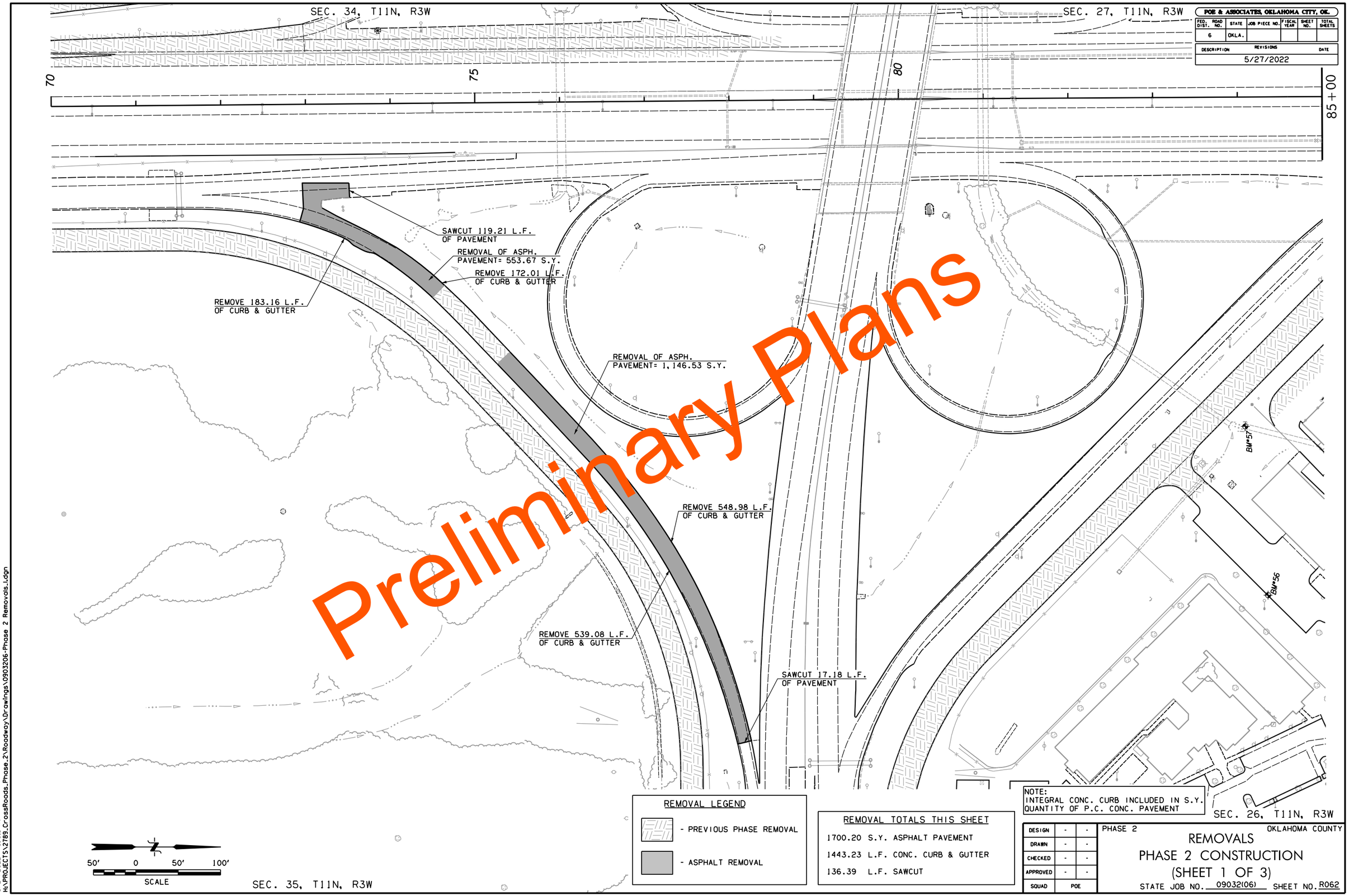
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



NOTE:
INTEGRAL CONC. CURB INCLUDED IN S.Y. QUANTITY OF P.C. CONC. PAVEMENT

REMOVAL LEGEND

- PREVIOUS PHASE REMOVAL
- ASPHALT REMOVAL

REMOVAL TOTALS THIS SHEET

1700.20 S.Y. ASPHALT PAVEMENT
1443.23 L.F. CONC. CURB & GUTTER
136.39 L.F. SAWCUT

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

REMOVALS
PHASE 2 CONSTRUCTION
(SHEET 1 OF 3)

STATE JOB NO. 09032(06) SHEET NO. R062

5/27/2022 10:10:51 AM
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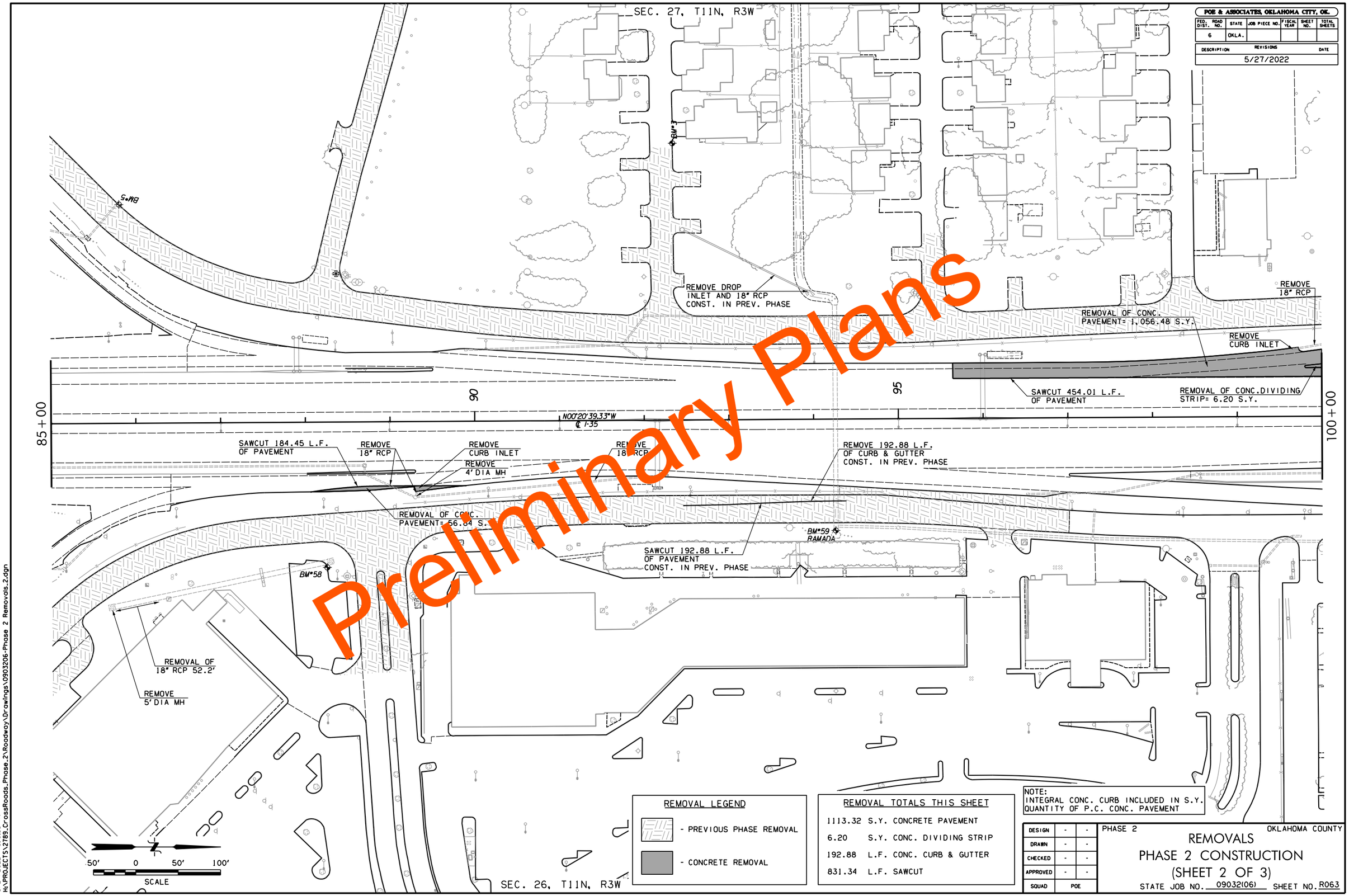
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST. NO.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

REVISIONS

DESCRIPTION	DATE
	5/27/2022



Preliminary Plans

REMOVAL LEGEND

- PREVIOUS PHASE REMOVAL
- CONCRETE REMOVAL

REMOVAL TOTALS THIS SHEET

1113.32	S.Y.	CONCRETE PAVEMENT
6.20	S.Y.	CONC. DIVIDING STRIP
192.88	L.F.	CONC. CURB & GUTTER
831.34	L.F.	SAWCUT

NOTE:
INTEGRAL CONC. CURB INCLUDED IN S.Y. QUANTITY OF P.C. CONC. PAVEMENT

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

REMOVALS
PHASE 2 CONSTRUCTION
(SHEET 2 OF 3)

STATE JOB NO. 09032(06) SHEET NO. R063

5/27/2022 10:10:55 AM
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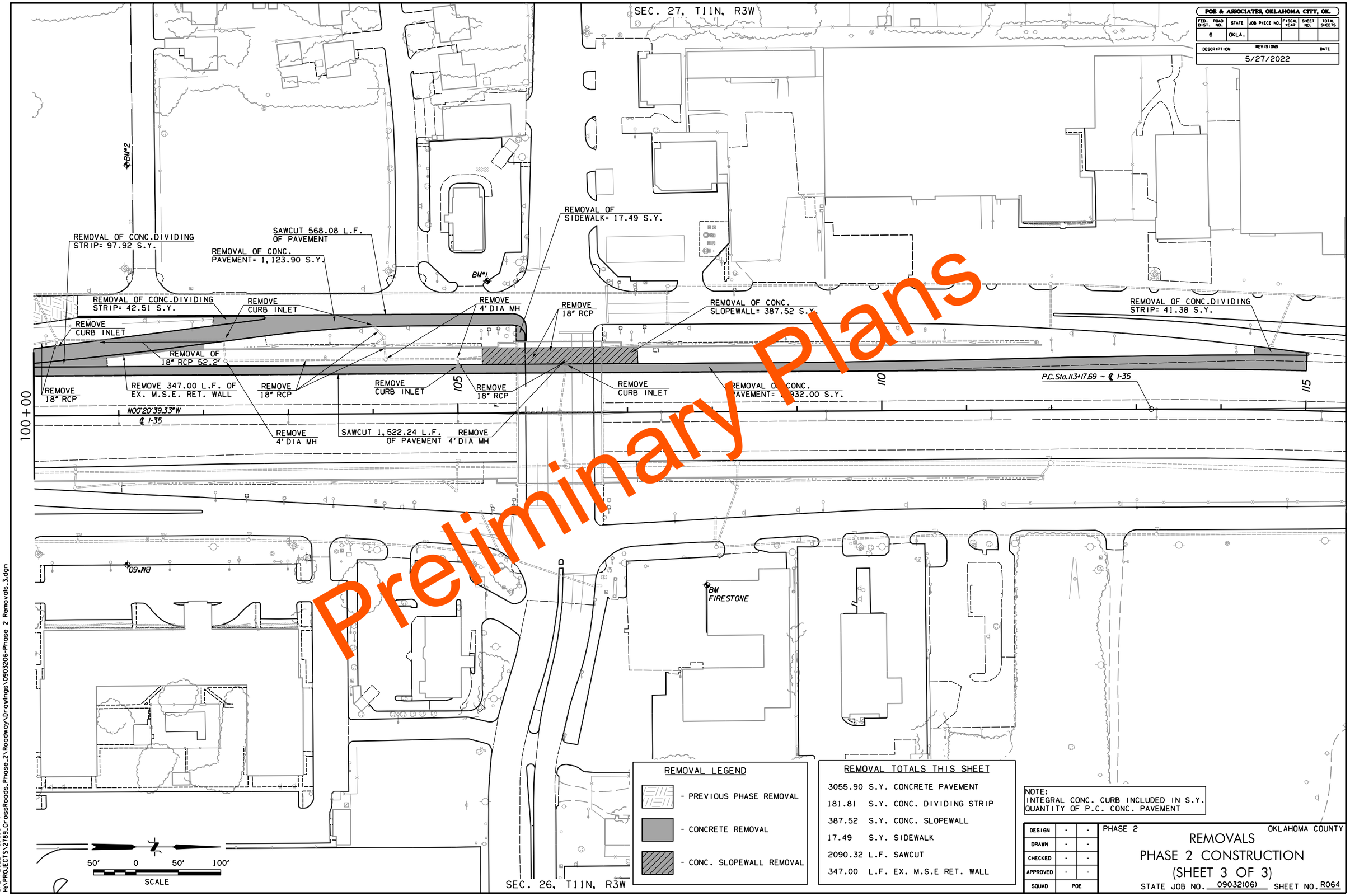
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



Preliminary Plans

REMOVAL LEGEND

- PREVIOUS PHASE REMOVAL
- CONCRETE REMOVAL
- CONC. SLOPEWALL REMOVAL

REMOVAL TOTALS THIS SHEET

3055.90	S.Y.	CONCRETE PAVEMENT
181.81	S.Y.	CONC. DIVIDING STRIP
387.52	S.Y.	CONC. SLOPEWALL
17.49	S.Y.	SIDEWALK
2090.32	L.F.	SAWCUT
347.00	L.F.	EX. M.S.E RET. WALL

NOTE:
INTEGRAL CONC. CURB INCLUDED IN S.Y. QUANTITY OF P.C. CONC. PAVEMENT

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

REMOVALS
PHASE 2 CONSTRUCTION
(SHEET 3 OF 3)

STATE JOB NO. 09032(06) SHEET NO. R064

5/27/2022 10:11:00 AM
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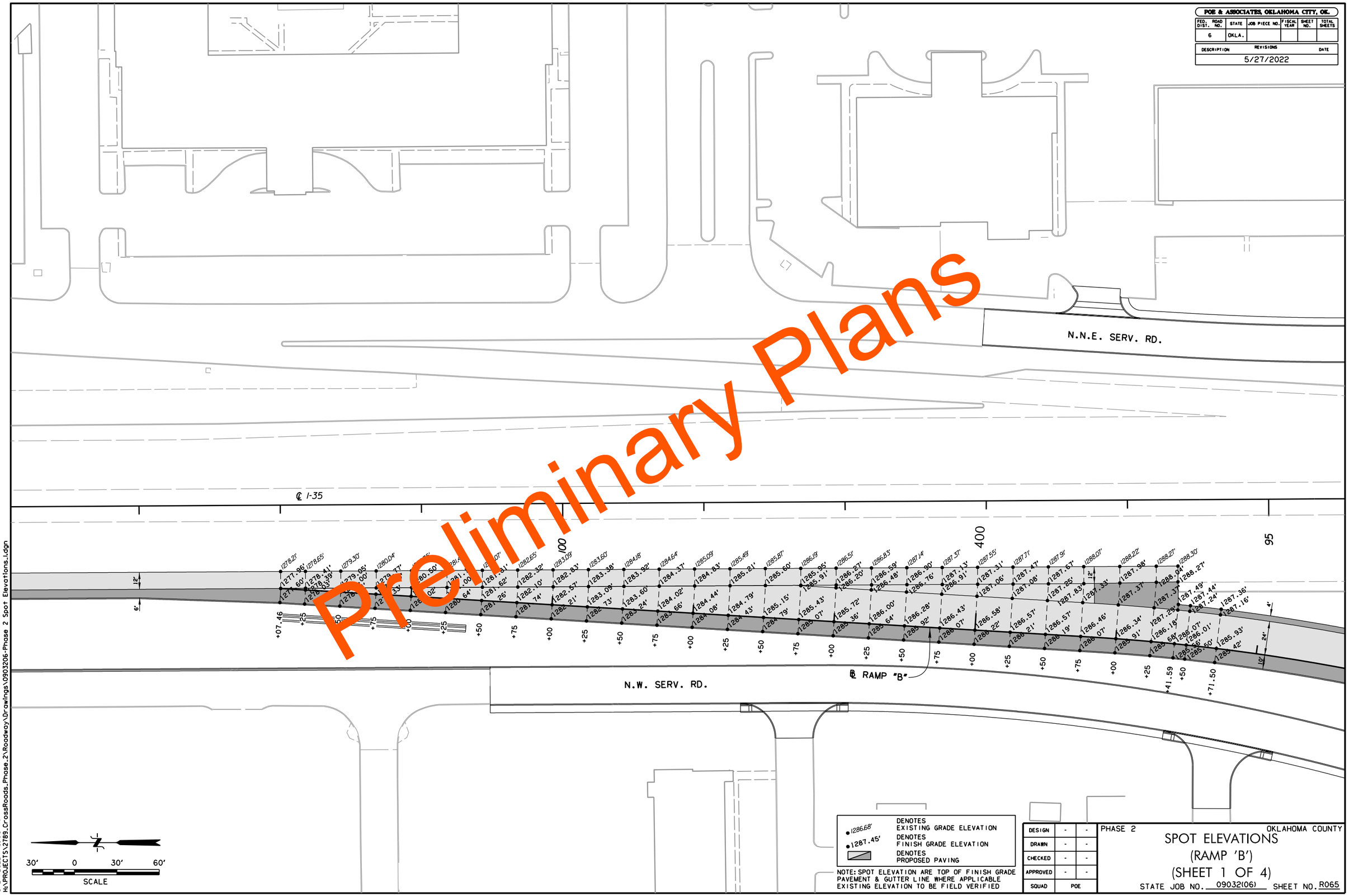
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



•1286.68'	DENOTES EXISTING GRADE ELEVATION
•1287.45'	DENOTES FINISH GRADE ELEVATION
	DENOTES PROPOSED PAVING

NOTE: SPOT ELEVATION ARE TOP OF FINISH GRADE PAVEMENT & GUTTER LINE WHERE APPLICABLE EXISTING ELEVATION TO BE FIELD VERIFIED

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

SPOT ELEVATIONS
(RAMP 'B')
(SHEET 1 OF 4)

STATE JOB NO. 09032(06) SHEET NO. R065

5/27/2022 10:41:16 AM
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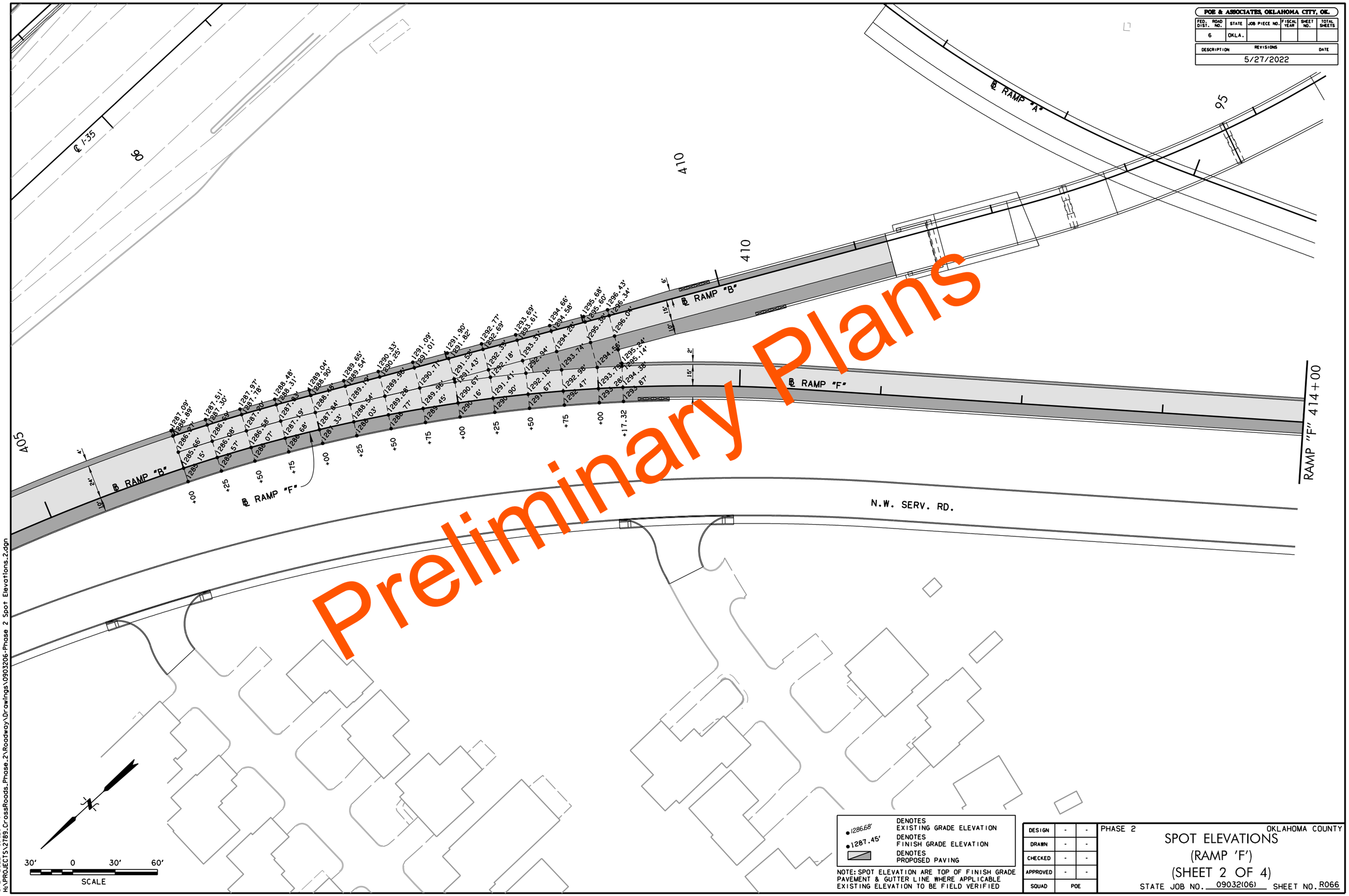
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



Preliminary Plans

5/27/2022 10:42:20 AM
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30' 0 30' 60'
SCALE

•1286.68'	DENOTES EXISTING GRADE ELEVATION
•1287.45'	DENOTES FINISH GRADE ELEVATION
	DENOTES PROPOSED PAVING

NOTE: SPOT ELEVATION ARE TOP OF FINISH GRADE PAVEMENT & GUTTER LINE WHERE APPLICABLE EXISTING ELEVATION TO BE FIELD VERIFIED

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

SPOT ELEVATIONS
(RAMP 'F')
(SHEET 2 OF 4)

STATE JOB NO. 09032(06) SHEET NO. R066

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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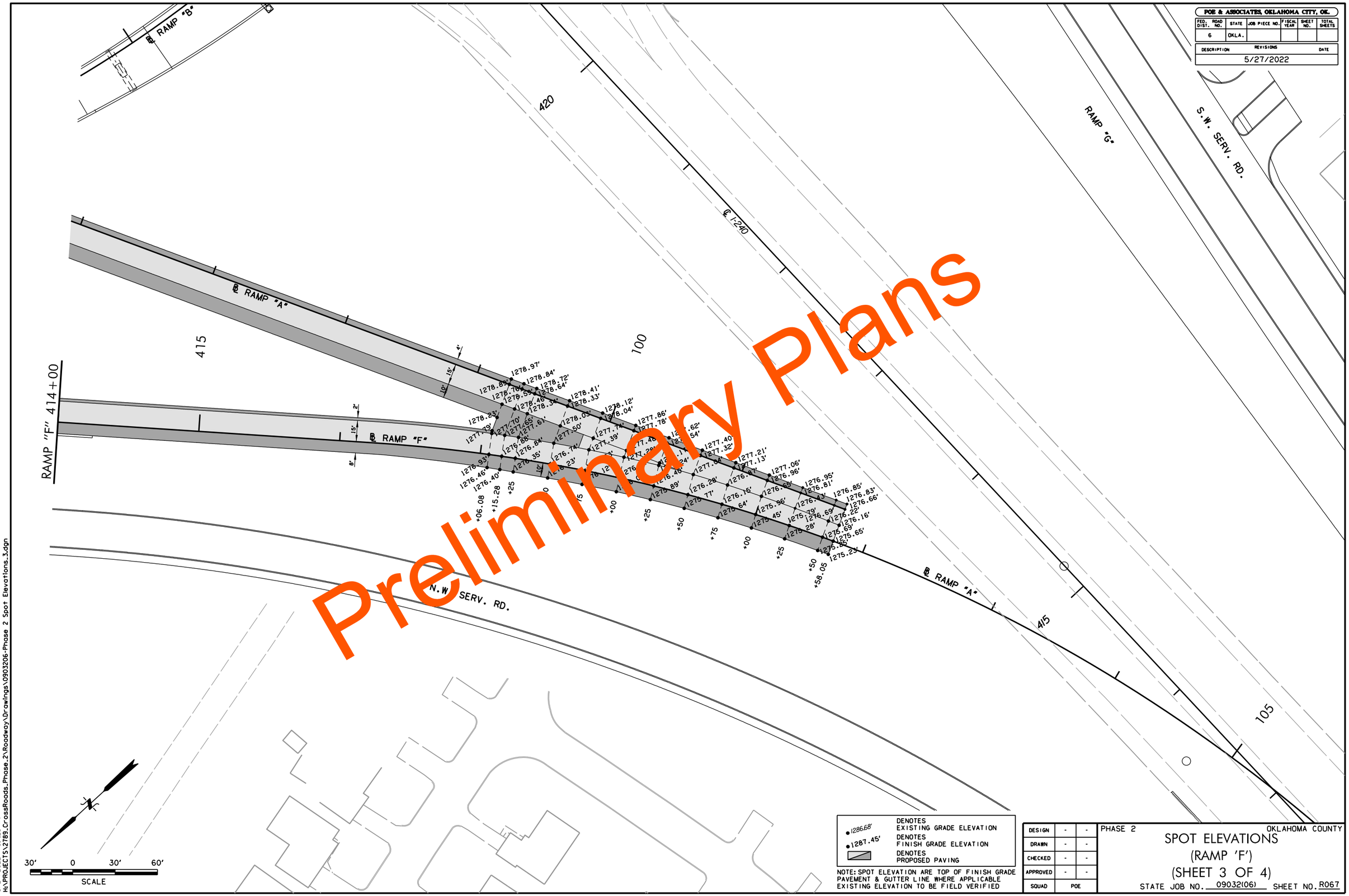
DESCRIPTION	REVISIONS	DATE
	5/27/2022	


RAMP "B"
RAMP "A"
RAMP "F"
RAMP "F" 414+00
RAMP "G"
S.W. SERV. RD.
N.W. SERV. RD.
420
415
100
105
℄ 1240
1278.97'
1278.84'
1278.72'
1278.64'
1278.41'
1278.33'
1278.12'
1277.86'
1277.78'
1277.40'
1277.32'
1277.21'
1277.13'
1277.06'
1276.96'
1276.95'
1276.85'
1276.83'
1276.66'
1276.22'
1276.16'
1276.69'
1276.81'
1276.43'
1276.28'
1276.15'
1276.46'
1276.40'
1276.08
+15.28
+25
+00
+50
+75
+58.05
1275.23'
1275.65'
1275.28'
1275.45'
1275.64'
1275.77'
1275.89'
1275.96'
1276.23'
1276.35'
1276.74'
1277.50'
1277.61'
1277.70'
1278.23'
1278.93'
1278.76'
1278.54'
1278.46'
1278.34'
1278.05'
1277.74'
1277.39'
1276.84'
1276.23'
1276.12'
1276.04'
1277.62'
1277.54'
1277.24'
1277.14'
1277.04'
1276.89'
1276.68'
1276.62'
1276.54'
1276.46'
1276.24'
1276.12'
1276.04'
1277.29'
1277.40'
1277.32'
1277.21'
1277.13'
1277.06'
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1276.81'
1276.85'
1276.83'
1276.66'
1276.22'
1276.16'
1276.69'
1276.43'
1276.28'
1276.15'
1276.46'
1276.40'
1276.08
+15.28
+25
+00
+50
+75
+58.05
1275.23'
1275.65'
1275.28'
1275.45'
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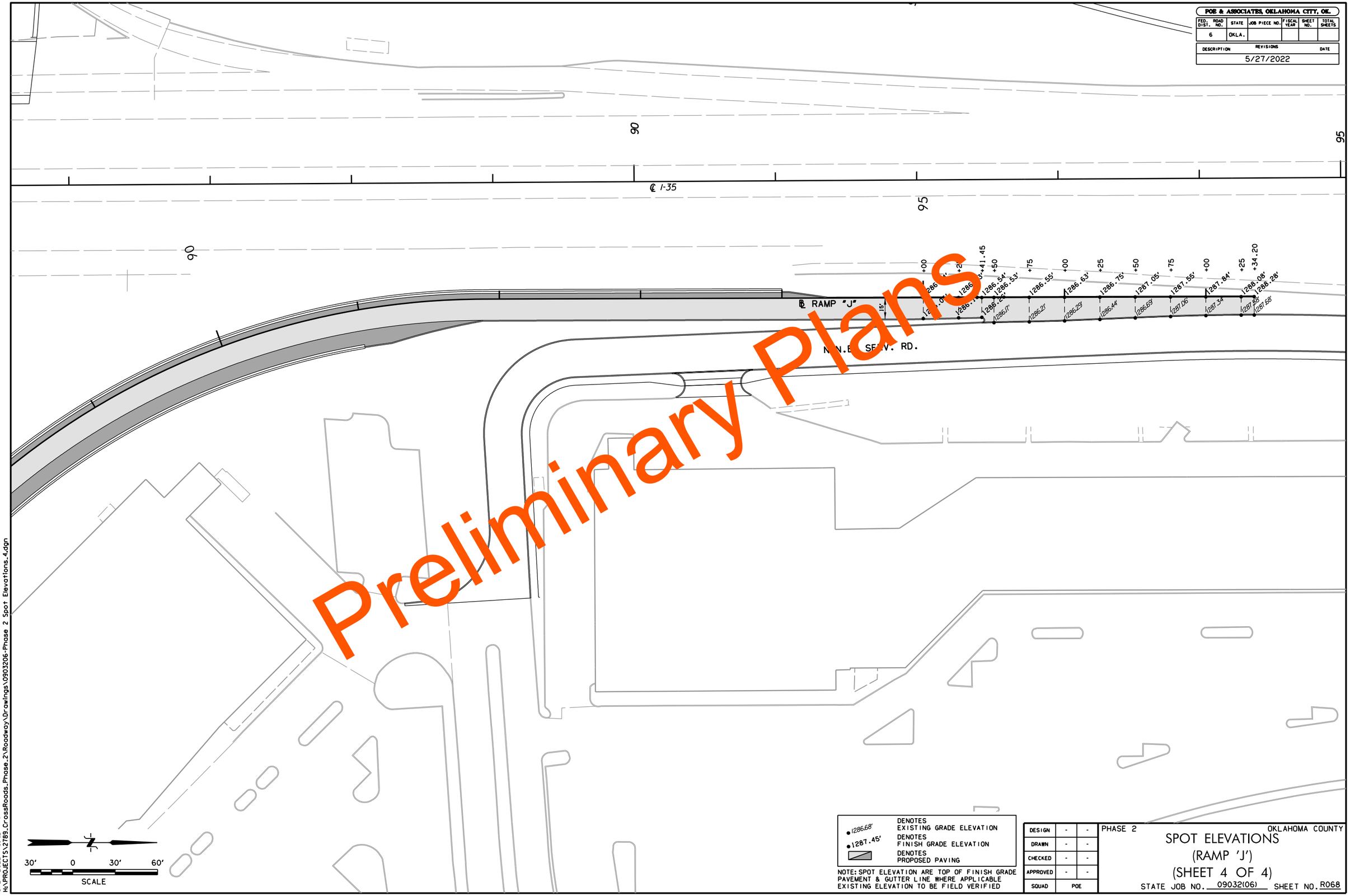
1275.77'
1275.89'
1275.96'
1276.23'
1276.35'
1276.74'
1277.50'
1277.61'
1277.70'
1278.23'
1278.93'
1278.76'
1278.54'
1278.46'
1278.34'
1278.05'
1277.74'
1277.39'
1276.84'
1276.23'
1276.12'
1276.04'
1277.86'
1277.78

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



•1286.68'	DENOTES EXISTING GRADE ELEVATION
•1287.45'	DENOTES FINISH GRADE ELEVATION
▨	DENOTES PROPOSED PAVING

NOTE: SPOT ELEVATION ARE TOP OF FINISH GRADE PAVEMENT & GUTTER LINE WHERE APPLICABLE EXISTING ELEVATION TO BE FIELD VERIFIED

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

SPOT ELEVATIONS
(RAMP 'J')
(SHEET 4 OF 4)

STATE JOB NO. 09032(06) SHEET NO. R068

5/27/2022 10:11:27 AM
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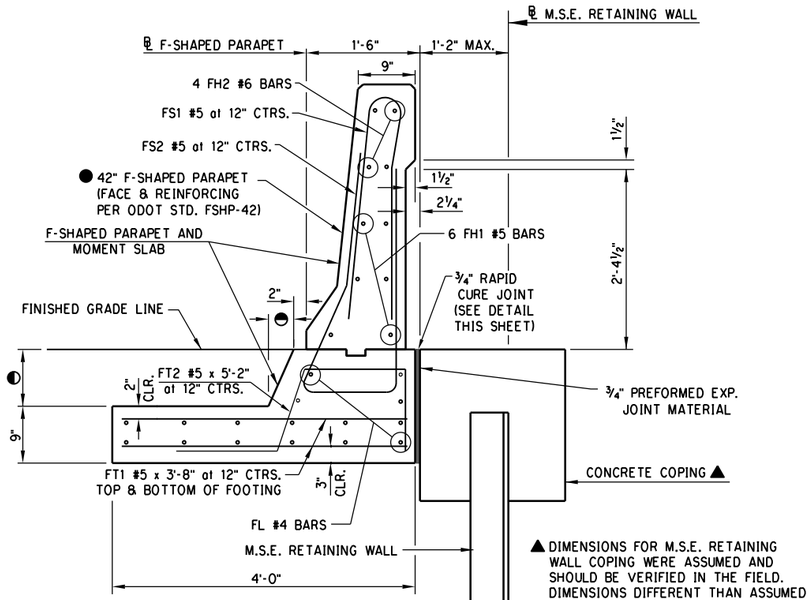
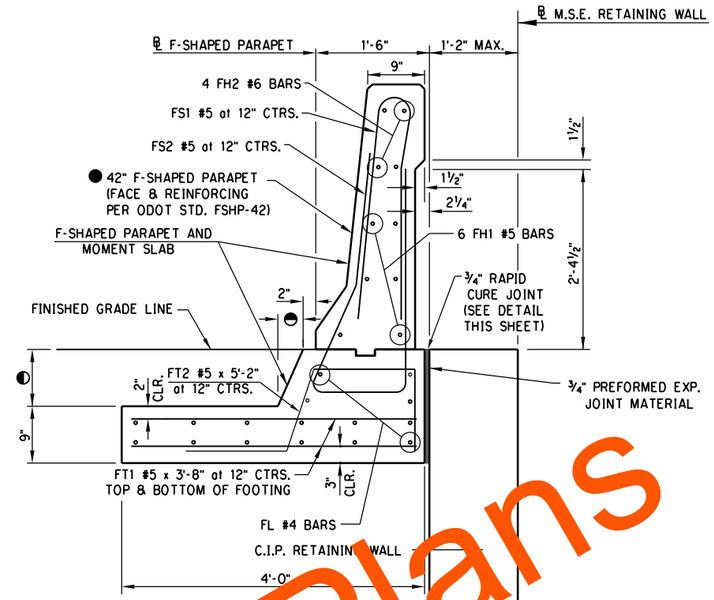
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022

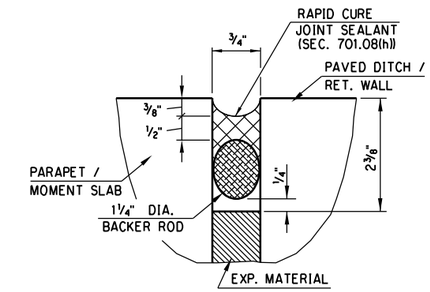


TYPICAL SECTION AT M.S.E. WALL

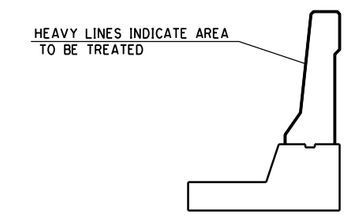
▲ DIMENSIONS FOR M.S.E. RETAINING WALL COPING WERE ASSUMED AND SHOULD BE VERIFIED IN THE FIELD. DIMENSIONS DIFFERENT THAN ASSUMED SHOULD NOT AFFECT DESIGN OR CONSTRUCTION OF THE F-SHAPED PARAPET AND MOMENT SLAB.



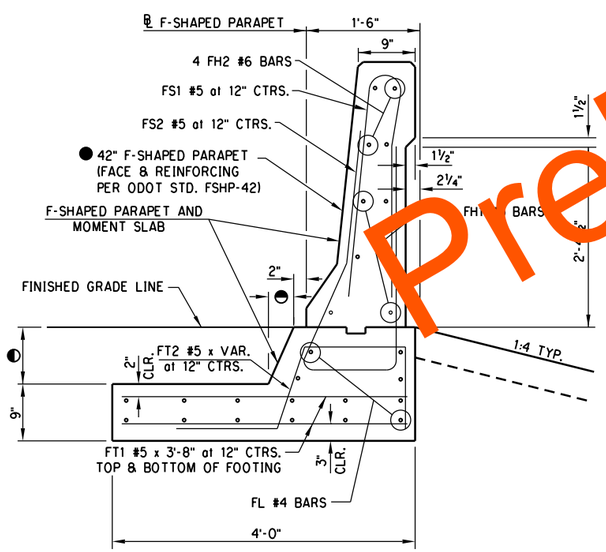
TYPICAL SECTION AT C.I.P. WALL



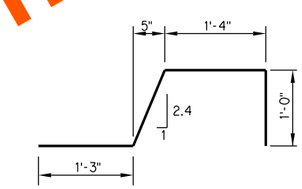
DETAIL OF RAPID CURE JOINT



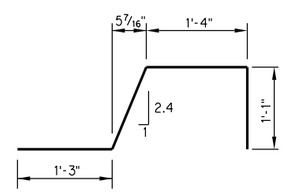
DETAIL OF PENETRATING WATER REPELLANT SURFACE TREATMENT



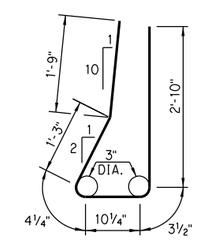
TYPICAL SECTION



FT2 #5 x 4'-8" 9" PAVEMENT



FT2 #5 x 4'-10" 10" PAVEMENT



FS2 #5 x 7'-4"

MOMENT SLAB EXTENTS:
RAMP 'B' - STA. 409+93.76 TO STA. 411+22.76 LT.
STA. 428+39.58 TO STA. 431+18.52 LT.
STA. 410+41.76 TO STA. 411+22.76 RT.
RAMP 'F' - STA. 409+50.00 TO STA. 414+25.00 RT.
RAMP 'J' - STA. 87+64.90 TO STA. 94+00.00 LT.
STA. 87+64.90 TO STA. 91+00.00 RT.
RAMP 'M' - STA. 425+97.34 TO STA. 430+00.00 LT.

● SEE ODOT STANDARD FSHP-42-2-00E FOR EXPANSION, CONSTRUCTION, AND CONTROL CRACK JOINT LOCATIONS.

MOMENT SLAB TO BE PAID FOR AS CLASS A CONCRETE AND EPOXY COATED REINFORCING STEEL. FS2 BARS SHALL BE INCLUDED IN EPOXY COATED REINFORCING STEEL QUANTITY.

VARIABLE TABLE

◐	9"	10"
◓	4"	4 7/16"

NOTE:
FS2 BARS INCLUDED IN EPOXY COATED REINFORCED STEEL

DESIGN		
DRAWN		
CHECKED		
APPROVED		
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

F-SHAPE PARAPET AND MOMENT SLAB DETAIL

STATE JOB NO. 09032(06) SHEET NO. R069

Preliminary Plans

5/27/2022 10:16:32 AM
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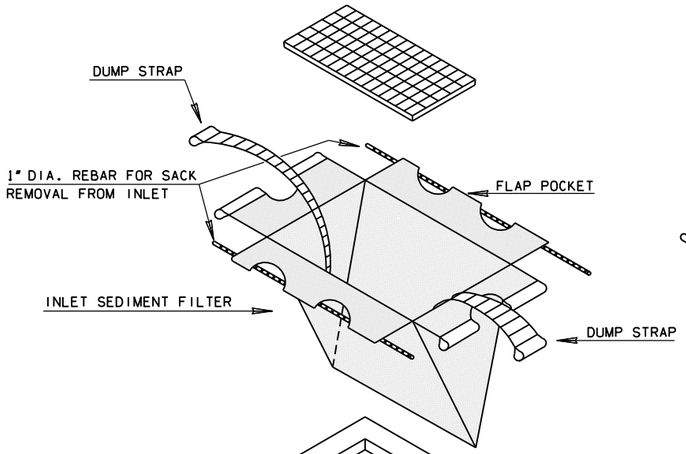
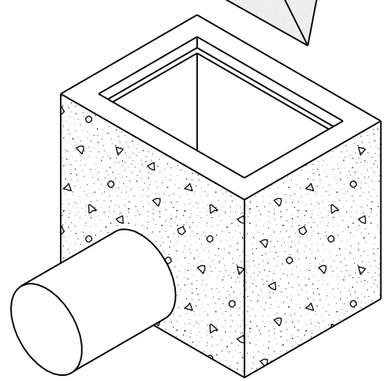
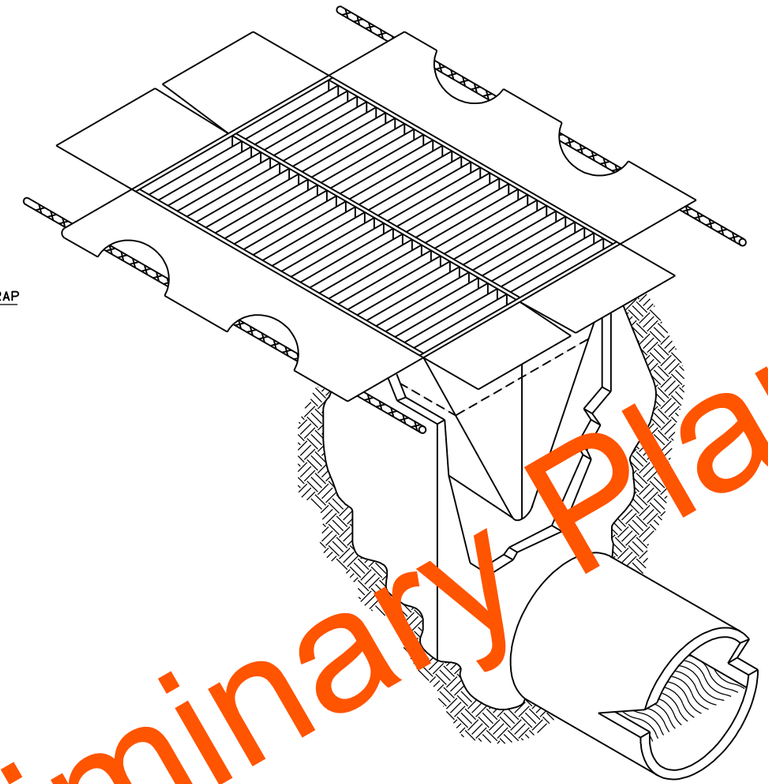
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

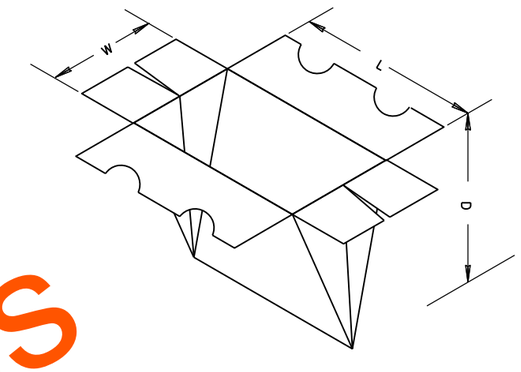
REVISIONS	
DESCRIPTION	DATE
5/27/2022	

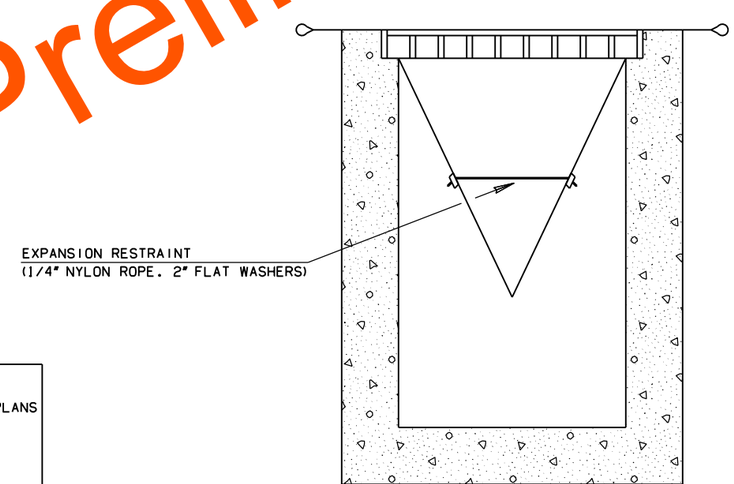




INSTALLATION DETAIL







SIDE VIEW

GERNERAL NOTES

AN INLET SEDIMENT FILTER IS A WOVEN, POLYPROPLENE SACK PLACED INTO UNDERGROUND DRAINS DESIGNED TO TRAP SEDIMENT BEFORE IT ENTERS THE DRAINAGE SYSTEM. THE FILTER HAS FLAP POCKETS ALONG THE TOP EDGES AND DUMP STRAPS ATTACHED TO THE BOTTOM THAT REMAIN ABOVE THE GROUND AND ARE HELD IN PLACE BY THE GRATE. THE FILTER MUST NEVER BE ALLOWED TO BE OVER HALF FULL OF SEDIMENT OR THE DRAINAGE SYSTEM COULD BE POLLUTED, NOT FUNCTION AT ALL OR MAKE IT VERY DIFFICULT TO REMOVE. CONSEQUENTLY, REGULAR MAINTENANCE IS MANDATORY.

WHEN IT IS DETERMINED THAT THE FILTER NEEDS TO BE CLEANED, TWO PIECES OF 1" REBAR ARE INSERTED THROUGH THE FLAP POCKETS. THE GRATE IS REMOVED AND THE LIFTING BARS ARE ATTACHED TO AVAILABLE EQUIPMENT AND THE SEDIMENT FILTER IS REMOVED TO A DUMPING AREA. ONCE THE INLET SEDIMENT FILTER IS ON THE GROUND, REMOVE THE REMOVE THE LIFTING ARS FROM THE FLAT POCKETS AND INSET THE LIFTING BARS THROUGH THE DUMP STRAPS. LIFT THE FILTER OFF THE GROUND BY THE DUMP STRAPS AND THE FILTER WILL TURN INSIDE OUT AND BE EMPTIED. IT MAY THEN BE RINSED AND REUSED OR DISPOSED OF AND REPLACED WITH A NEW INLET SEDIMENT FILTER.

THE GEOTEXTILE FABRIC SHALL BE WOVEN WITH THE FOLLOWING PROPERTIES:

PROPERTY	TEST METHOD	TEST RESULT
GRAB TENSILE	ASTM D-4632	300 lb (Min.)
GRAB ELONGATION	ASTM D-4632	20% (Max.)
PUNCTURE	ASTM D-4833	120 lb (Min.)
MULLEN BURST	ASTM D-3786	800 psi (Min.)
TRAPEZOID TEAR	ASTM D-4533	120 lb (Min.)
UV RESISTANCE	ASTM D-4355	70% @ 150hrs. (Min.)
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE (Max.)
FLOW RATE	ASTM D-4491	40 Gal./min./sq.ft. (Max.)
PERMITTIVITY	ASTM D-4491	0.55 sec.$^{-1}$(Max.)

SYMBOLOGY

SYMBOL TO BE USED TO DENOTE DEVICE ON PLANS

ISF

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
221(H)	(PL) TEMPORARY INLET SEDIMENT FILTER	EACH

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

TEMPORARY INLET SEDIMENT FILTER

STATE JOB NO. 09032(06) SHEET NO. R070

Preliminary Plans

5/27/2022 10:16:37 AM
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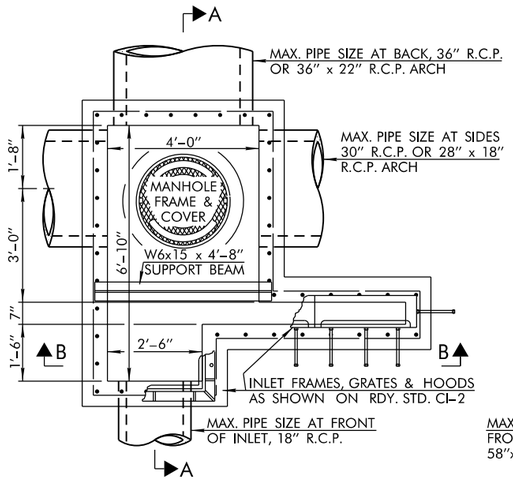
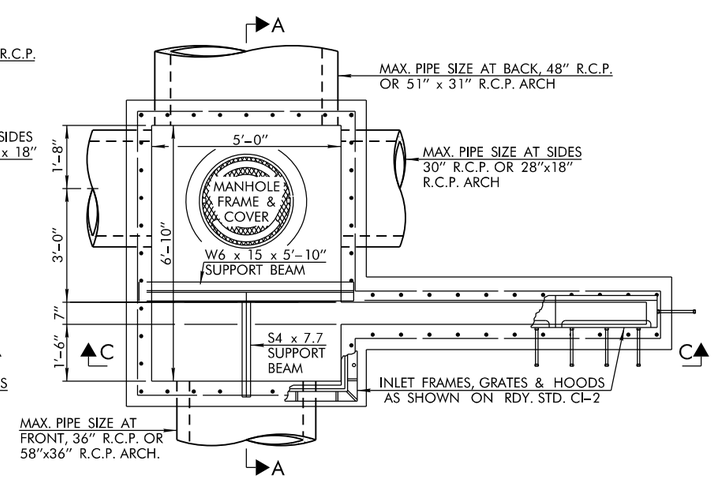
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

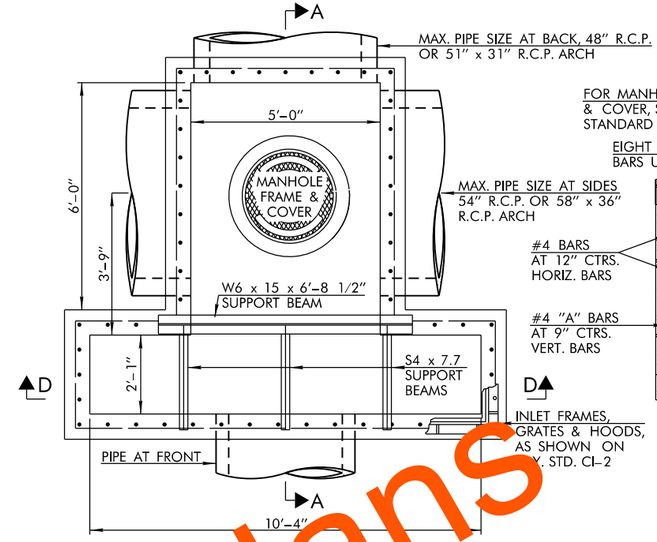
DESCRIPTION	REVISIONS	DATE
	5/27/2022	



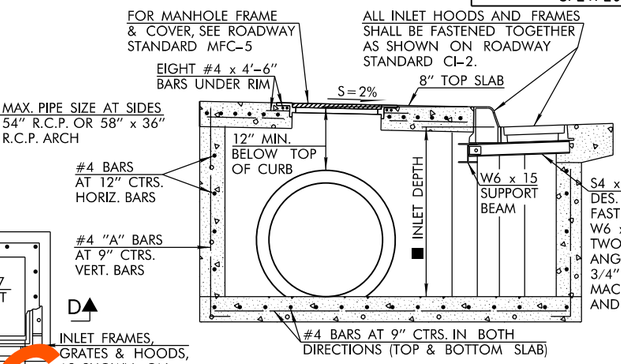
PLAN – DESIGN 1 W/SMALL JCT. BOX
(DESIGN 1B SHOWN)



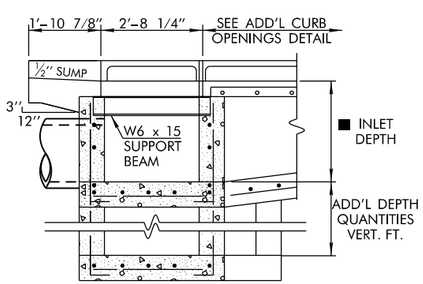
PLAN – DESIGN 2 W/SMALL JCT. BOX
(DESIGN 2C SHOWN)



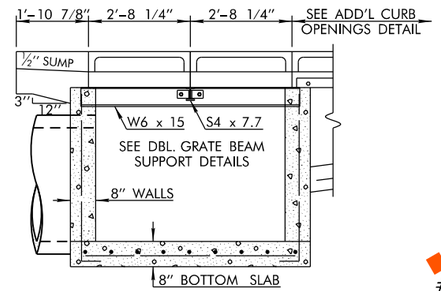
PLAN – DESIGN 3 W/LARGE JCT. BOX
(DESIGN 3 SHOWN)
(MULTIPLE DOUBLE GRATING)



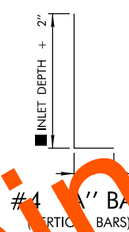
SECTION A–A



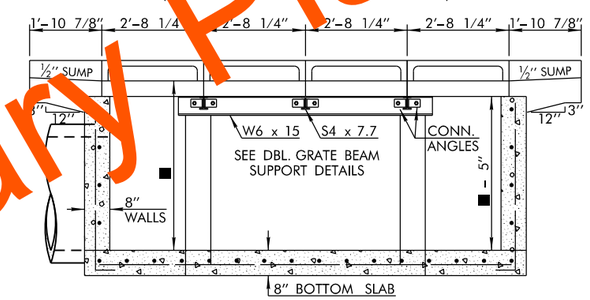
SECTION B–B



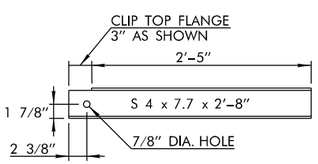
SECTION C–C



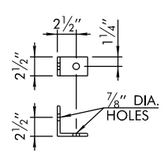
#4 "A" BARS
(VERTICAL BARS)



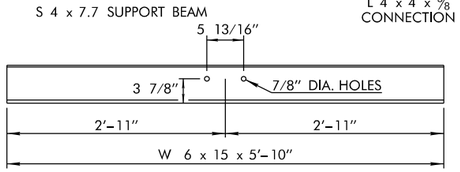
SECTION D–D



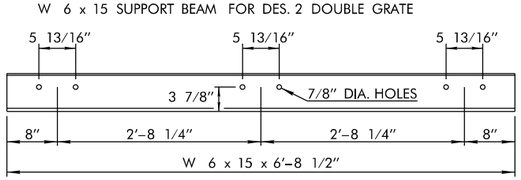
S 4 x 7.7 SUPPORT BEAM



L 4 x 4 x 3/8 x 2 1/2"
CONNECTION ANGLE



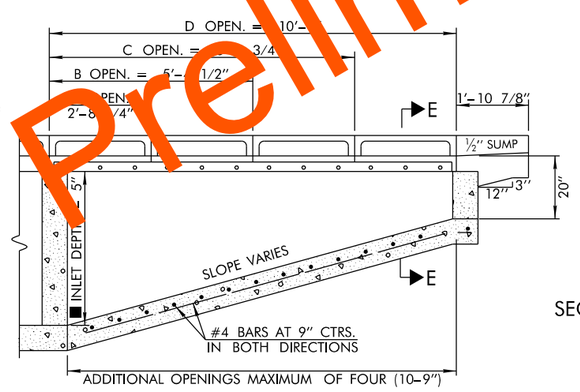
W 6 x 15 SUPPORT BEAM FOR DES. 2 DOUBLE GRATE



W 6 x 15 SUPPORT BEAM FOR DES. 3 DOUBLE GRATE

DOUBLE GRATE SUPPORT BEAM DETAILS

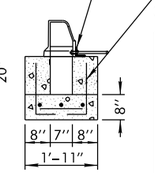
NOTE: S 4 x 7.7 SUPPORT BEAM(S) SHALL BE CONNECTED TO DOUBLE GRATE SUPPORT BEAMS USING CONNECTION ANGLES & 3/4" x 2" MACHINE BOLTS & NUTS AS REQUIRED.



ADDITIONAL CURB OPENINGS

FOR DETAIL OF THE CONNECTION ANGLE IRON & CAST IRON HOODS SEE ROADWAY STANDARD C1-2.

#4 "A" BARS AT 9" CTRS. VERT. BARS



SECTION E–E

■ STANDARD INLET DEPTH	
INLET W/SMALL JUNCTION BOX	2'-8" FOR 18" R.C.P. & 28½" x 18" REINF. CONC. ARCH PIPE 3'-2" FOR 24" R.C.P. & 36¼" x 22½" REINF. CONC. ARCH PIPE 3'-8" FOR 30" R.C.P. & 43¾" x 26⅝" REINF. CONC. ARCH PIPE 4'-2" FOR 36" R.C.P. & 58½" x 36" REINF. CONC. ARCH PIPE
W/LARGE JUNC. BOX	4'-8" FOR 42" R.C.P. 5'-2" FOR 48" R.C.P.

STANDARD DEPTH QUANTITIES

INLET DESIGN	CURB OPEN DESIGNATION	CLASS "A" CONCRETE BASE AMOUNT C.Y.	CLASS "A" CONCRETE ADD'L CY PER VERT. FT. C.Y.	REINFORCING STEEL BASE AMOUNT LBS.	REINFORCING STEEL ADD'L CY PER VERT. FT. LBS.	INLET FRAME & GRATE EACH	CAST IRON HOOD EACH	MH FRAME & COVER EACH
1		2.84	0.60	244.74	37.41	1	1	1
1	A	3.09	0.54	262.54	35.40	1	2	1
1	B	3.45	0.54	284.79	35.40	1	3	1
1	C	3.81	0.54	302.94	35.40	1	4	1
1	D	4.17	0.54	325.35	35.40	1	5	1
2		3.57	0.65	304.06	42.08	2	2	1
2	A	3.76	0.60	325.86	40.80	2	3	1
2	B	4.15	0.60	348.99	40.80	2	4	1
2	C	4.55	0.60	371.81	40.80	2	5	1
2	D	4.94	0.60	391.72	40.80	2	6	1
3		4.99	1.01	566.27	65.46	4	4	1
3	A	5.47	1.01	591.13	64.01	4	5	1
3	B	5.96	1.01	617.42	64.01	4	6	1
3	C	6.45	1.01	643.30	64.01	4	7	1
3	D	6.95	1.01	665.86	64.01	4	8	1

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. WHEN THE INLET IS BUILT IN NEW CONCRETE PAVEMENT, THE APRON AROUND THE INLET MAY BE BUILT INTEGRAL WITH PAVEMENT, OR MAY BE SEPARATE AND OF THE SIZE AS SHOWN. THE THICKNESS SHALL BE THE SAME AS THE CONCRETE PAVEMENT OR CURB AND GUTTER. IF CONSTRUCTED IN ANY OTHER AREA OR IN EXISTING PAVEMENT, THE APRON AROUND THE INLET SHALL BE BUILT OF P.C. CONCRETE TO A MINIMUM 8 INCH THICKNESS.
3. THERE WILL BE NO DEDUCTION OF PAYMENT FOR CONCRETE CURB AND GUTTER OR P.C. CONCRETE THROUGH THE EXTENTS OF THE CAST IRON CURB HOODS. DEDUCTION WILL BE MADE FOR PAYMENT ON INTEGRAL CURB THROUGH THE EXTENTS OF THE CAST IRON CURB HOODS.
4. STANDARD SSIF-5 FRAMES AND STANDARD CIG-4 GRATES TO BE USED WITH THESE INLETS UNLESS OTHERWISE SPECIFIED. COST OF THESE ITEMS AND HOODS SHALL BE INCLUDED IN THE COST OF INLET.
5. TYPE B & C FRAMES TO BE USED FOR MULTIPLE DOUBLE GRATES. SEE ROADWAY STANDARD SSIF-5 FOR DETAILS.
6. CASTINGS AS SHOWN HERE SHALL BE CAST STEEL, DUCTILE IRON OR GRAY IRON CONFORMING TO SECTION 725 OF THE SPECIFICATIONS.
7. VARIOUS DETAILS NOT SHOWN ON THIS SHEET, SHALL BE CONSTRUCTED AS SHOWN ON ROADWAY STANDARD CI-2, INCLUDING THE SUMP IN THE ROADWAY PAVING APRON, THE CONNECTION OF CAST IRON HOODS TO ANGLE IRON, AND THE CONNECTION OF CAST IRON HOODS TO THE INLET FRAMES.
8. PRICE BID FOR INLET W/JUNCTION BOX, SHALL INCLUDE ALL COST OF MATERIALS AND LABOR ASSOCIATED WITH UNCLASSIFIED EXCAVATION, STRUCTURAL EXCAVATION, CLASS A CONCRETE, REINFORCING STEEL, MANHOLE FRAME & COVER, INLET FRAMES & GRATES, CURB HOODS, CONNECTION ANGLES, CONNECTION BOLTS AND SUPPORT BEAMS.

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
611 (G)	INLET W/SMALL JUNCTION BOX (⬔)	EA.
611 (G)	INLET W/LARGE JUNCTION BOX (⬔)	EA.
611 (H)	ADD'L DEPTH IN INLET W/SML. JUNCT. BOX (◪)	V.F.
611 (H)	ADD'L DEPTH IN INLET W/LRG. JUNCT. BOX (◪)	V.F.

⬔ INLET DESIGN AND CURB DESIGNATION SHALL BE SPECIFIED. I.E. DESIGN 1(B) or 2(STD.)

◪ THE INLET DESIGN NO. SHALL BE SPECIFIED, I.E. DESIGN 1, 2 OR 3.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 — OKLAHOMA COUNTY

DETAIL OF CURB INLET W/ JUNCTION BOX

STATE JOB NO. 09032(06) SHEET NO. R071

Preliminary Plans

5/27/2022 10:11:46 AM
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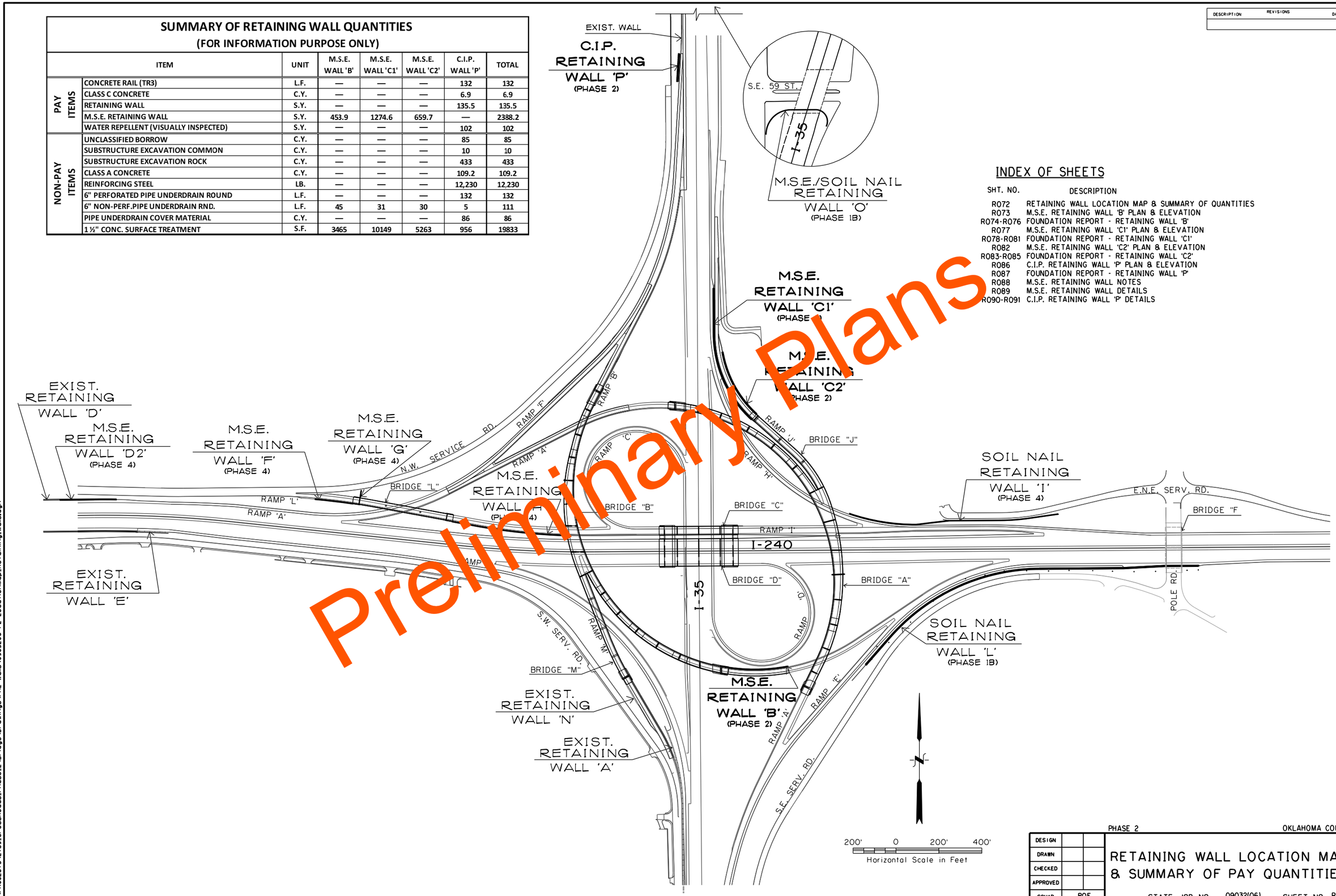
SUMMARY OF RETAINING WALL QUANTITIES
(FOR INFORMATION PURPOSE ONLY)

	ITEM	UNIT	M.S.E. WALL 'B'	M.S.E. WALL 'C1'	M.S.E. WALL 'C2'	C.I.P. WALL 'P'	TOTAL
PAY ITEMS	CONCRETE RAIL (TR3)	L.F.	—	—	—	132	132
	CLASS C CONCRETE	C.Y.	—	—	—	6.9	6.9
	RETAINING WALL	S.Y.	—	—	—	135.5	135.5
	M.S.E. RETAINING WALL	S.Y.	453.9	1274.6	659.7	—	2388.2
	WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	—	—	—	102	102
NON-PAY ITEMS	UNCLASSIFIED BORROW	C.Y.	—	—	—	85	85
	SUBSTRUCTURE EXCAVATION COMMON	C.Y.	—	—	—	10	10
	SUBSTRUCTURE EXCAVATION ROCK	C.Y.	—	—	—	433	433
	CLASS A CONCRETE	C.Y.	—	—	—	109.2	109.2
	REINFORCING STEEL	LB.	—	—	—	12,230	12,230
	6" PERFORATED PIPE UNDERDRAIN ROUND	L.F.	—	—	—	132	132
	6" NON-PERF.PIPE UNDERDRAIN RND.	L.F.	45	31	30	5	111
	PIPE UNDERDRAIN COVER MATERIAL	C.Y.	—	—	—	86	86
	1 ½" CONC. SURFACE TREATMENT	S.F.	3465	10149	5263	956	19833



INDEX OF SHEETS

SHT. NO.	DESCRIPTION
R072	RETAINING WALL LOCATION MAP & SUMMARY OF QUANTITIES
R073	M.S.E. RETAINING WALL 'B' PLAN & ELEVATION
R074-R076	FOUNDATION REPORT - RETAINING WALL 'B'
R077	M.S.E. RETAINING WALL 'C1' PLAN & ELEVATION
R078-R081	FOUNDATION REPORT - RETAINING WALL 'C1'
R082	M.S.E. RETAINING WALL 'C2' PLAN & ELEVATION
R083-R085	FOUNDATION REPORT - RETAINING WALL 'C2'
R086	C.I.P. RETAINING WALL 'P' PLAN & ELEVATION
R087	FOUNDATION REPORT - RETAINING WALL 'P'
R088	M.S.E. RETAINING WALL NOTES
R089	M.S.E. RETAINING WALL DETAILS
R090-R091	C.I.P. RETAINING WALL 'P' DETAILS

DESCRIPTION	REVISIONS	DATE

Preliminary Plans

PHASE 2 OKLAHOMA COUNTY

DESIGN	
DRAWN	
CHECKED	
APPROVED	
SQUAD	POE

RETAINING WALL LOCATION MAP & SUMMARY OF PAY QUANTITIES

STATE JOB NO. 09032(06) SHEET NO. R072

6/1/2022 11:29:32 AM
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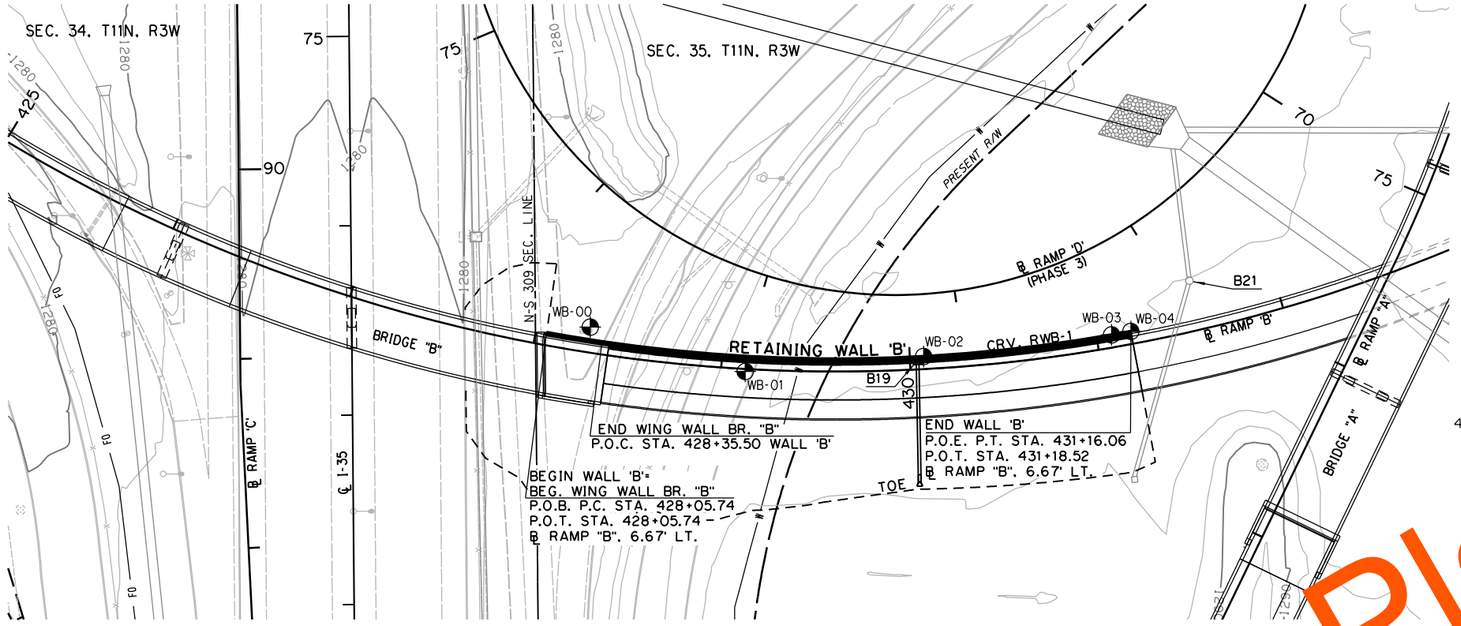
DESCRIPTION	REVISIONS	DATE



CURVE DATA RWB-1

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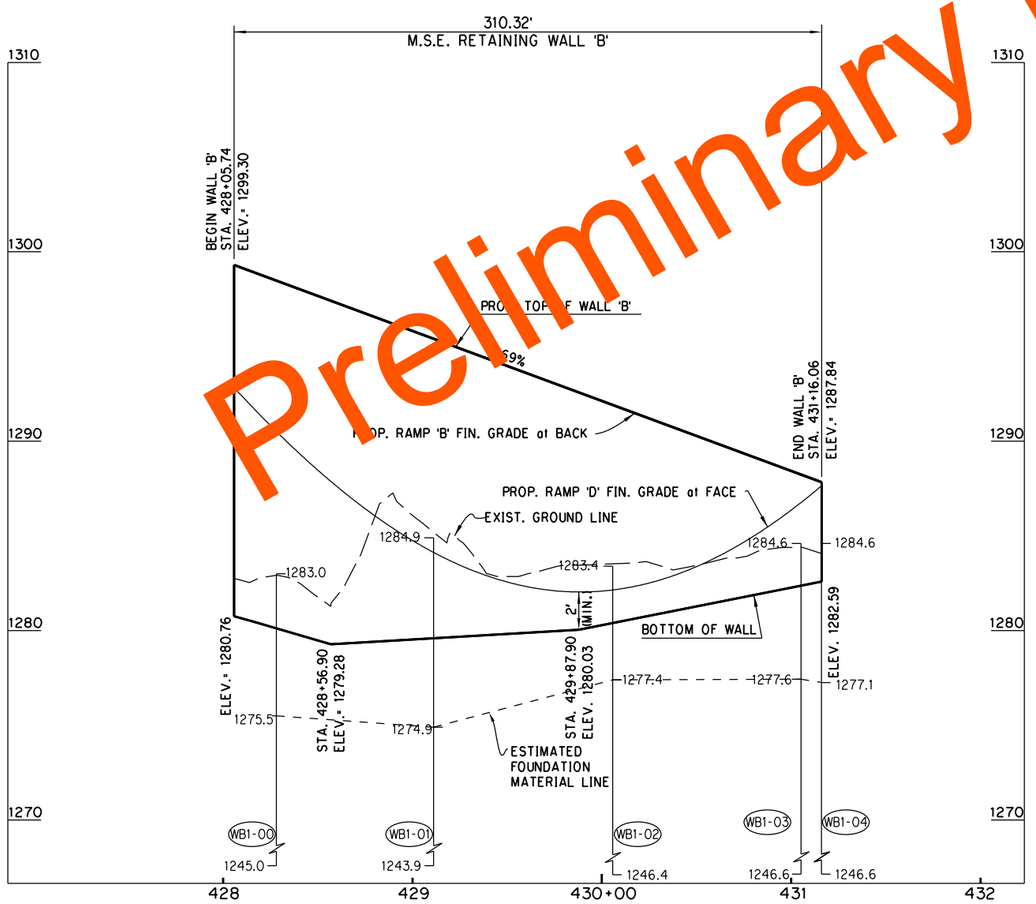
D= 6°48'12.36"
T= 156.94'
L= 310.32'
R= 842.16'
E= 14.50'

N

40' 0 40' 80'
Horizontal Scale in Feet

BM 38 ~ #6 REBAR 6' WEST OF OG&E FENCE, 3RD LIGHT POLE FROM NORTH STA.437+85.95 ℄ I-240, 693.64' RT. ELEV.= 1296.05



Preliminary Plans

PHASE 2 OKLAHOMA COUNTY

DESIGN		
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APPROVED		
SQUAD	POE	

M.S.E. RETAINING WALL 'B' PLAN & ELEVATION

STATE JOB NO. 09032(06) SHEET NO. R073

6/1/2022 11:29:35 AM
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DESCRIPTION	REVISIONS	DATE

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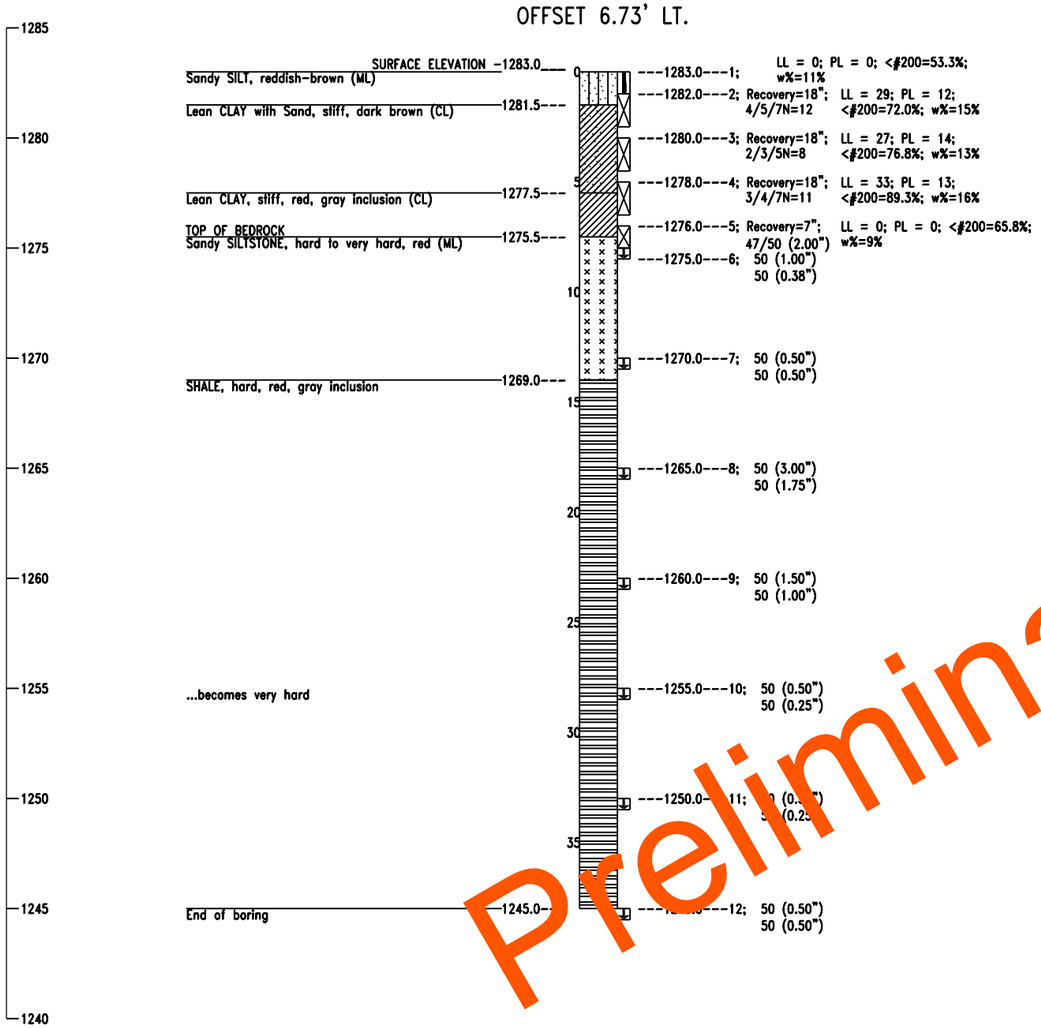

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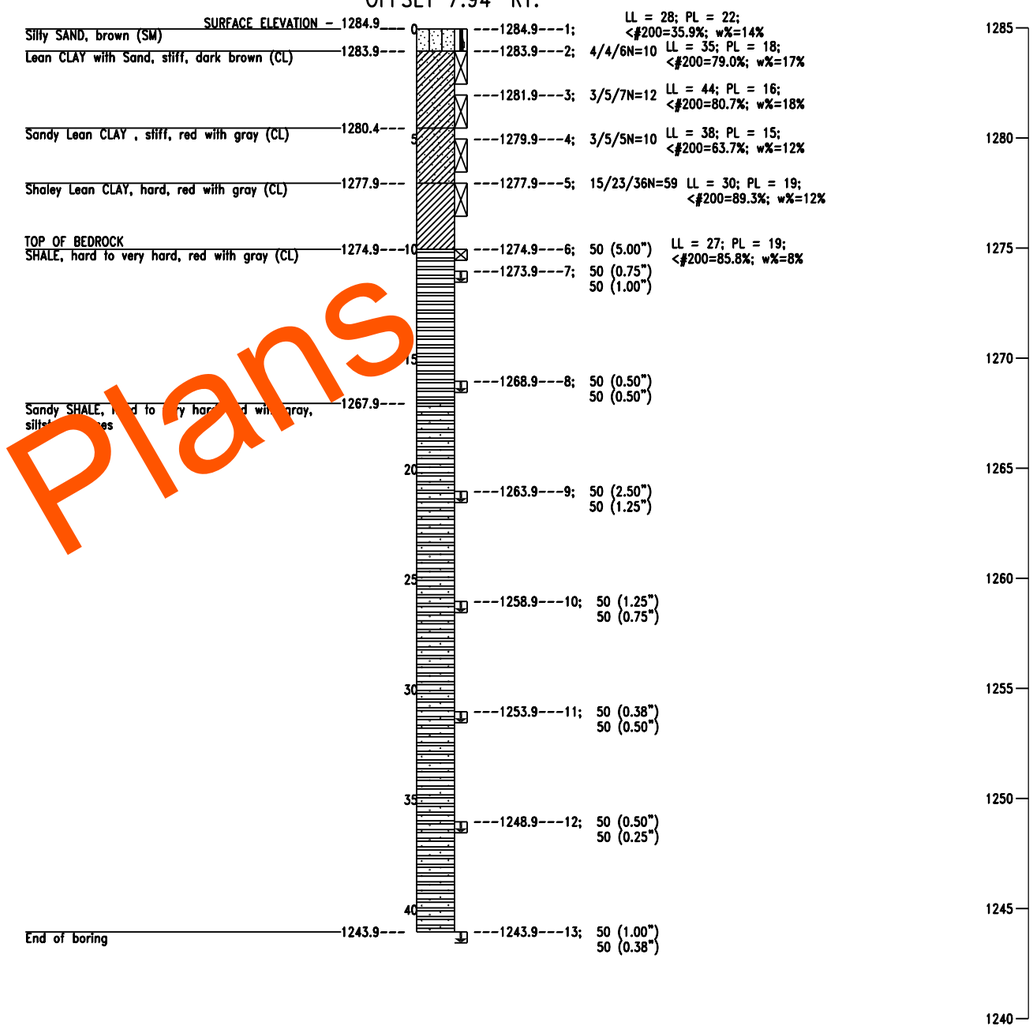

Preliminary Plans

GEOLOGIC STATEMENT

"Division Four" of the "Engineering Classification of Geological Materials", published by the Oklahoma Department of Transportation (ODOT) indicates that the site is underlain by the Hennessey Unit (Phy). The geologic unit is described below.

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The total thickness of the unit is about 400 feet.

The Hennessey Unit outcrops in a 5- to 15-mile north-south band across Grant, Garfield, Kingfisher, Logan, Canadian, and Oklahoma Counties in Division Four. Topographically, the unit is near level to gently rolling and is generally grass covered or cultivated.

GEOTECHNICAL REPORT

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NOTE:
- Denotes Auger Cutting Sampling
- Denotes Split Spoon Sampling
- Denotes Texas Cone Penetrator Test
- LL - Liquid Limit
- PL - Plastic Limit
- <#200 - Percent passing #200 sieve
- w% - Moisture content
- N - Number of blows per 12 inches
- Denotes depth to observed groundwater

PHASE 2 OKLAHOMA COUNTY

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APPROVED		
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RETAINING WALL "B"

FOUNDATION REPORT
(SHEET 1 OF 3)

STATE JOB NO. 09032(06) SHEET NO. R074

6/1/2022 11:29:36 AM
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Boring Number WB1-02
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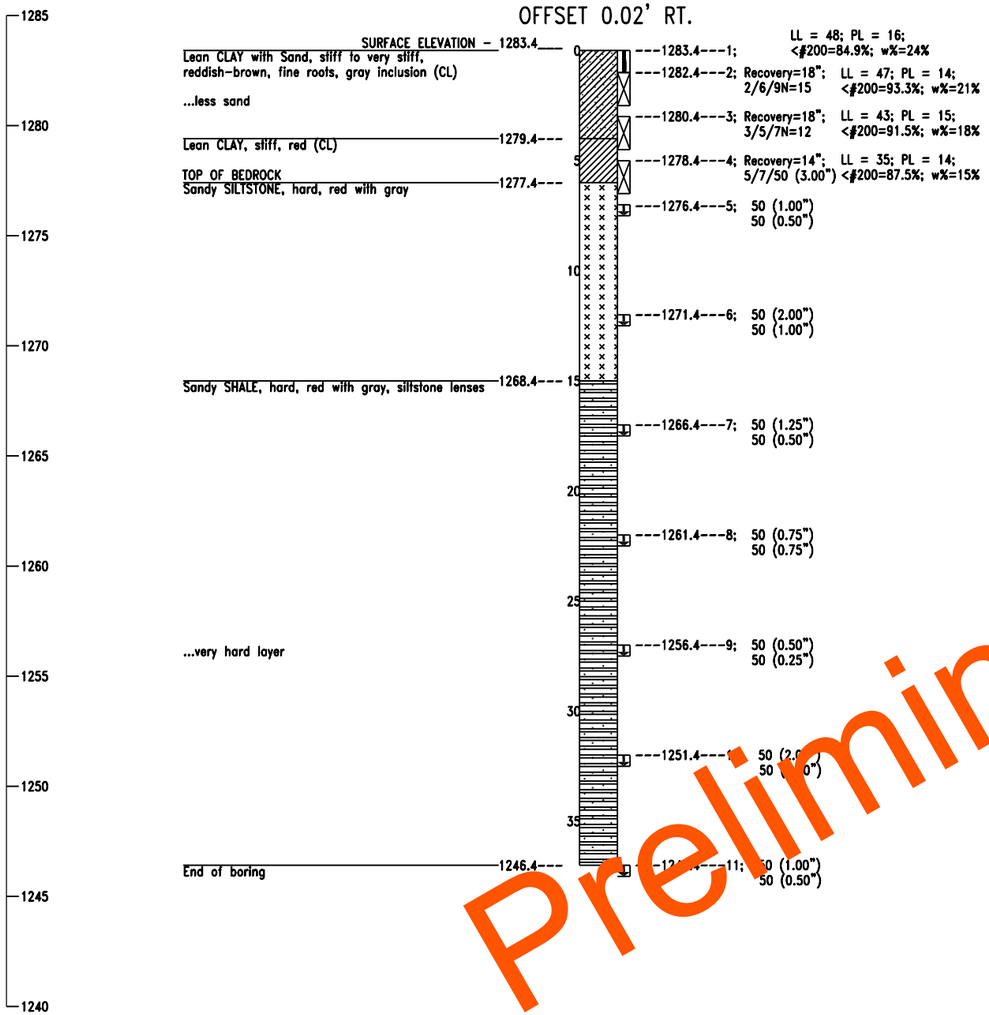
OFFSET 0.02' RT.



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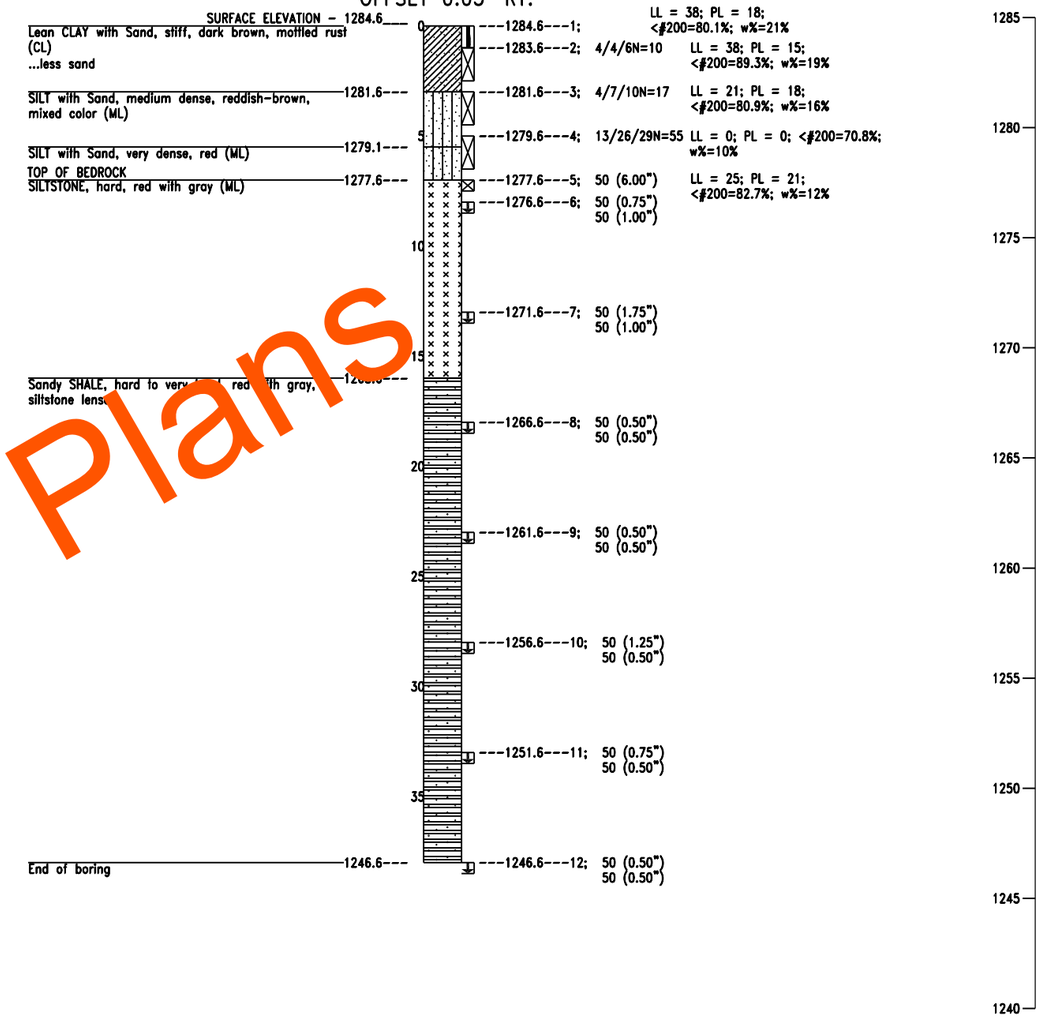
OFFSET 0.03' RT.



Preliminary Plans

DESCRIPTION	REVISIONS	DATE

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PHASE 2 OKLAHOMA COUNTY

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RETAINING WALL "B"

FOUNDATION REPORT
(SHEET 2 OF 3)

STATE JOB NO. 09032(06) SHEET NO. R075

6/1/2022 11:29:37 AM
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DESCRIPTION	REVISIONS	DATE

Boring Number WB1-04
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Date Drilled: 5/26/2017
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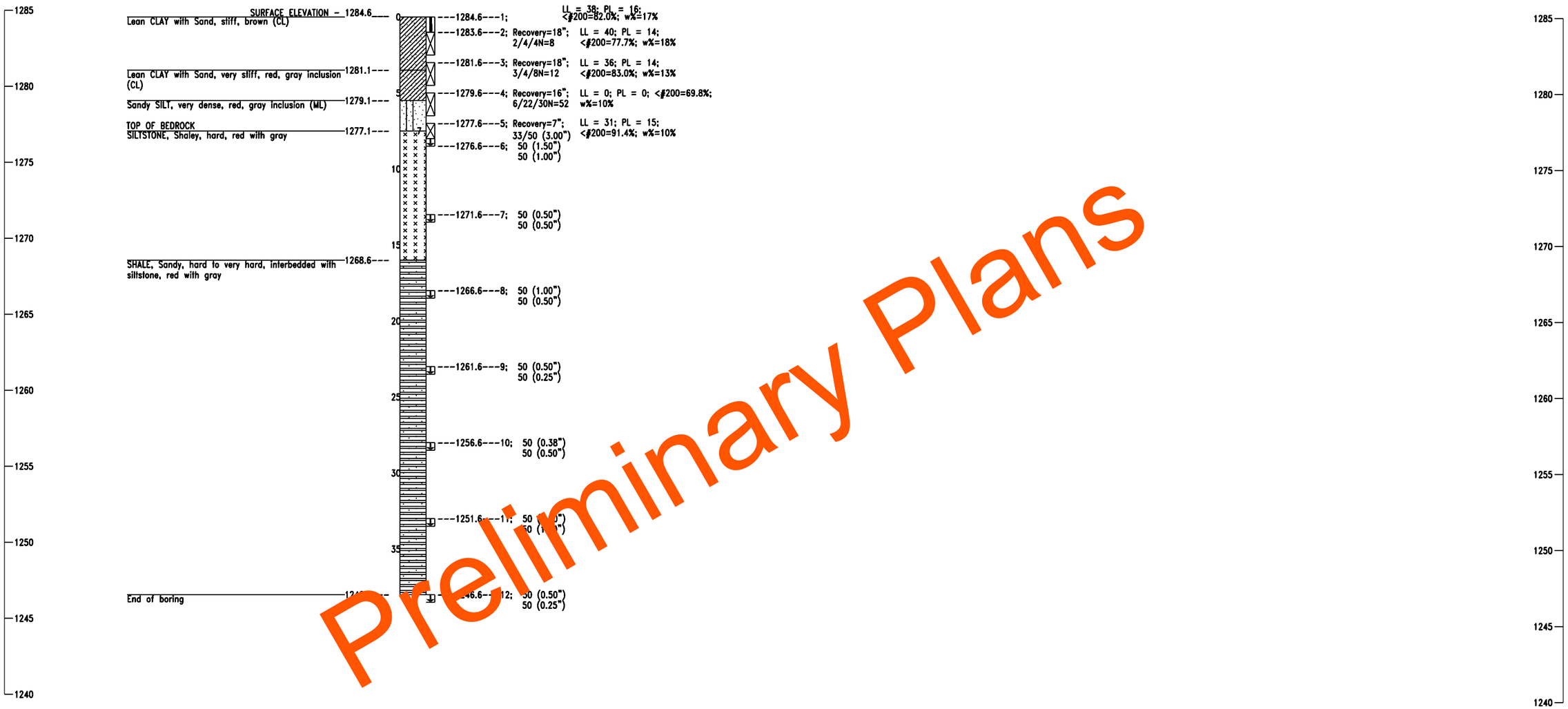

Preliminary Plans

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- w% - Moisture content
- N - Number of blows per 12 inches
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PHASE 2 OKLAHOMA COUNTY

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APPROVED		
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RETAINING WALL "B"

FOUNDATION REPORT
(SHEET 3 OF 3)

STATE JOB NO. 09032(06) SHEET NO. R076

6/1/2022 11:29:37 AM
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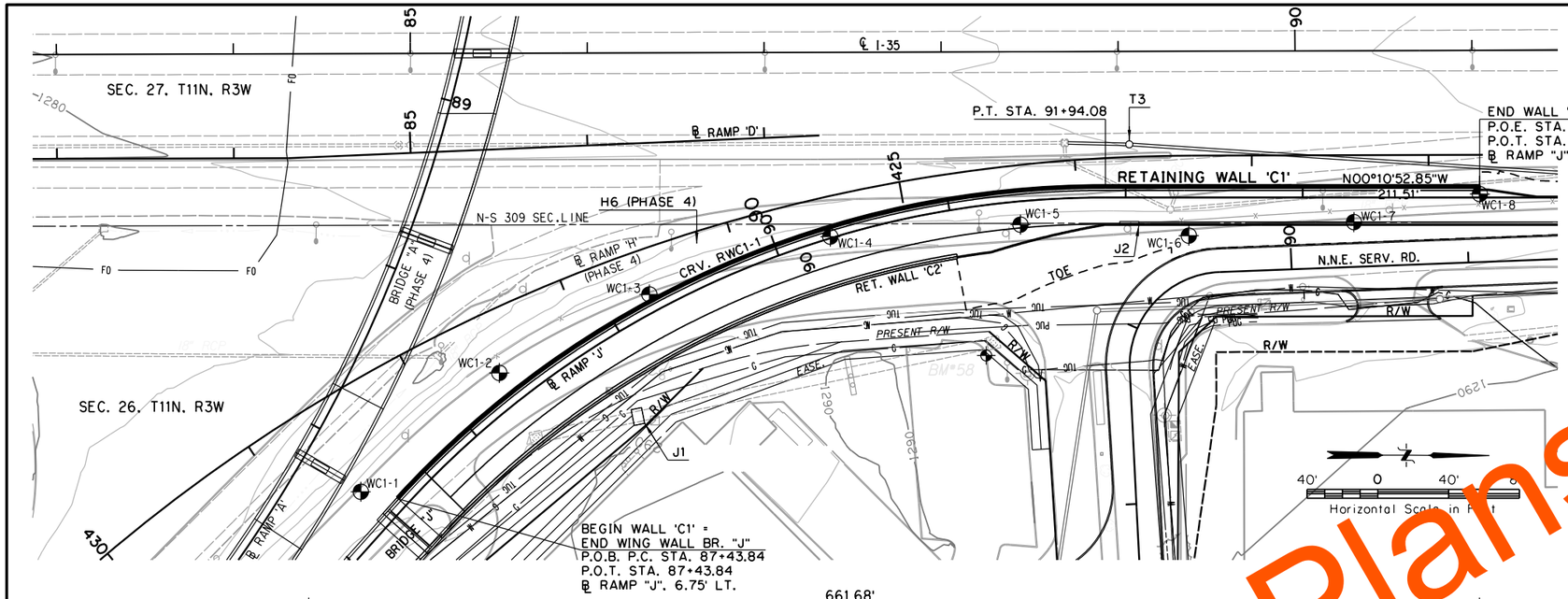
DESCRIPTION	REVISIONS	DATE



CURVE DATA RWC1-1

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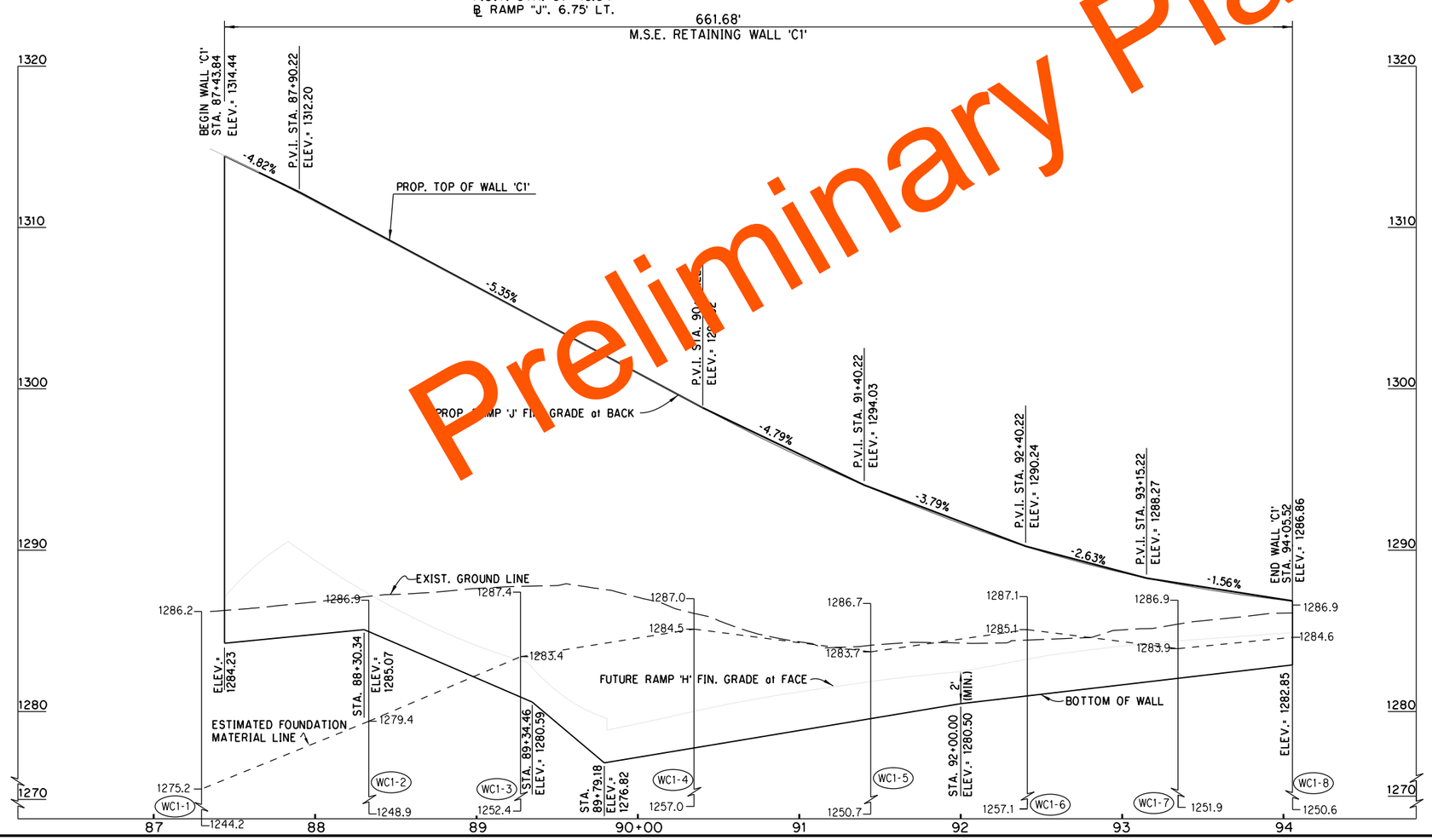

Preliminary Plans

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PHASE 2 — OKLAHOMA COUNTY

DESIGN		
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CHECKED		
APPROVED		
SQUAD	POE	

M.S.E. RETAINING WALL 'C1' PLAN & ELEVATION

STATE JOB NO. 09032(06) SHEET NO. R077

Boring Number WC1-1
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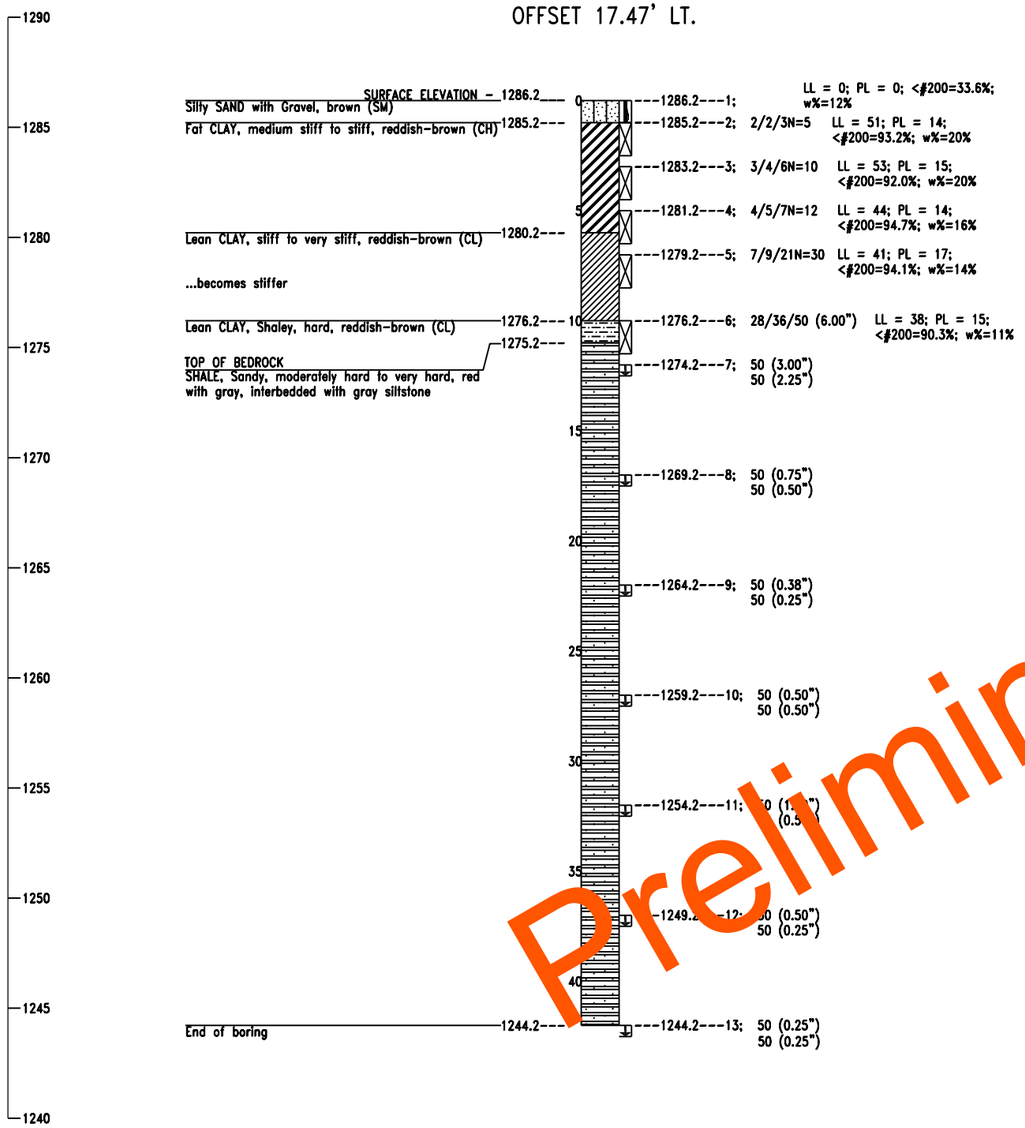

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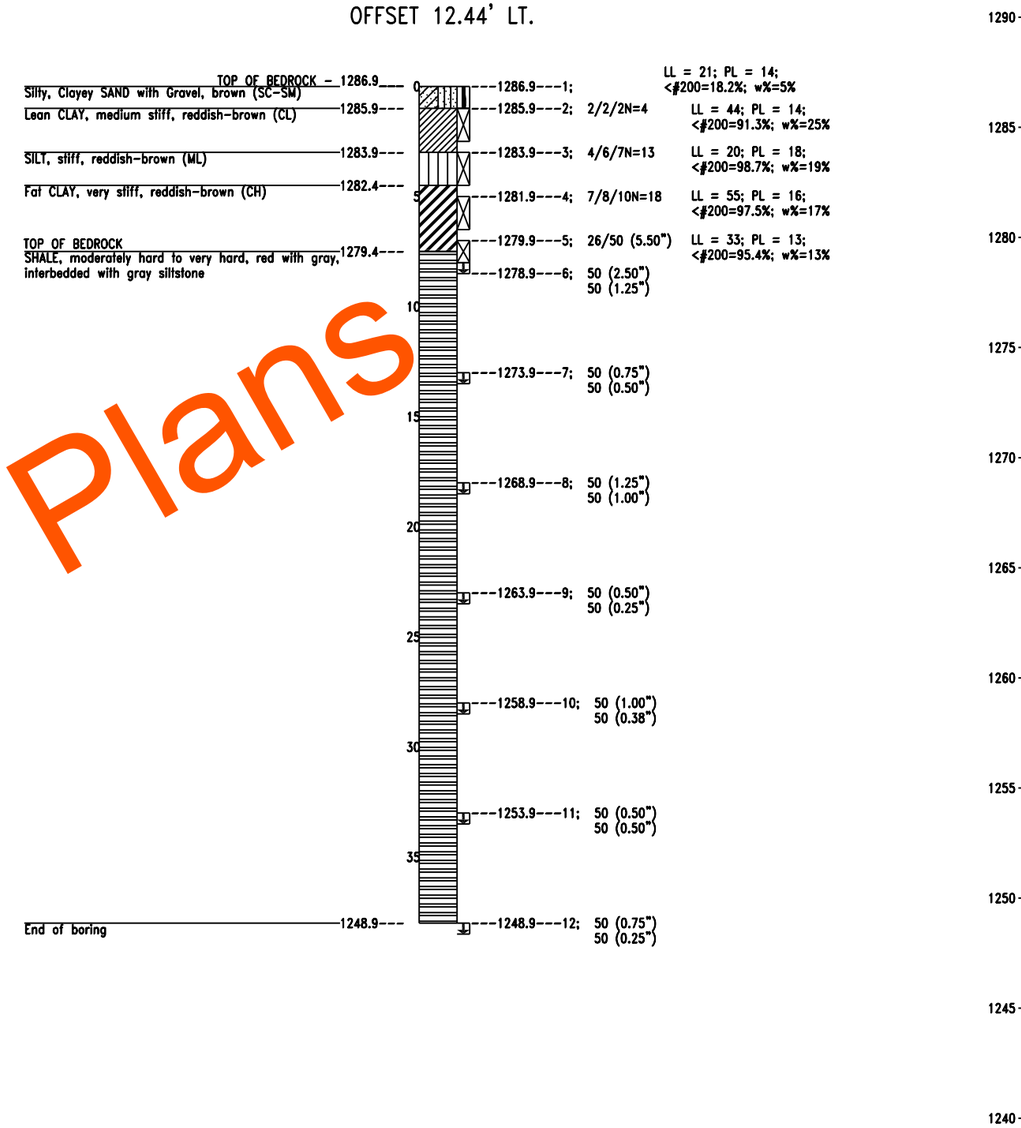
BL WALL "C1" STA. 88+33.27
OFFSET 12.44' LT.



Preliminary Plans

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DESIGN		
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CHECKED		
APPROVED		
SQUAD	PSI	

PHASE 2 OKLAHOMA COUNTY

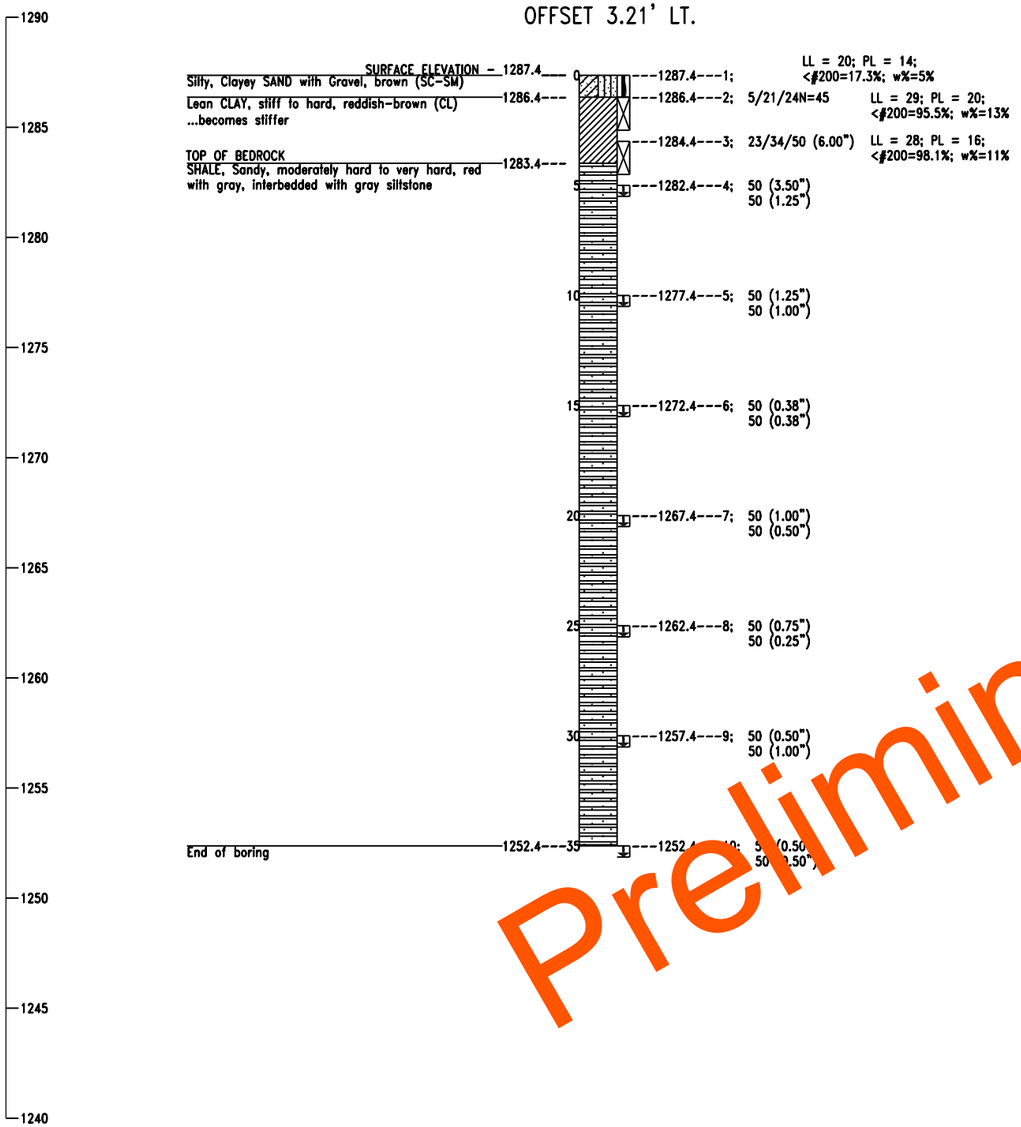
RETAINING WALL "C1"

FOUNDATION REPORT
(SHEET 1 OF 4)

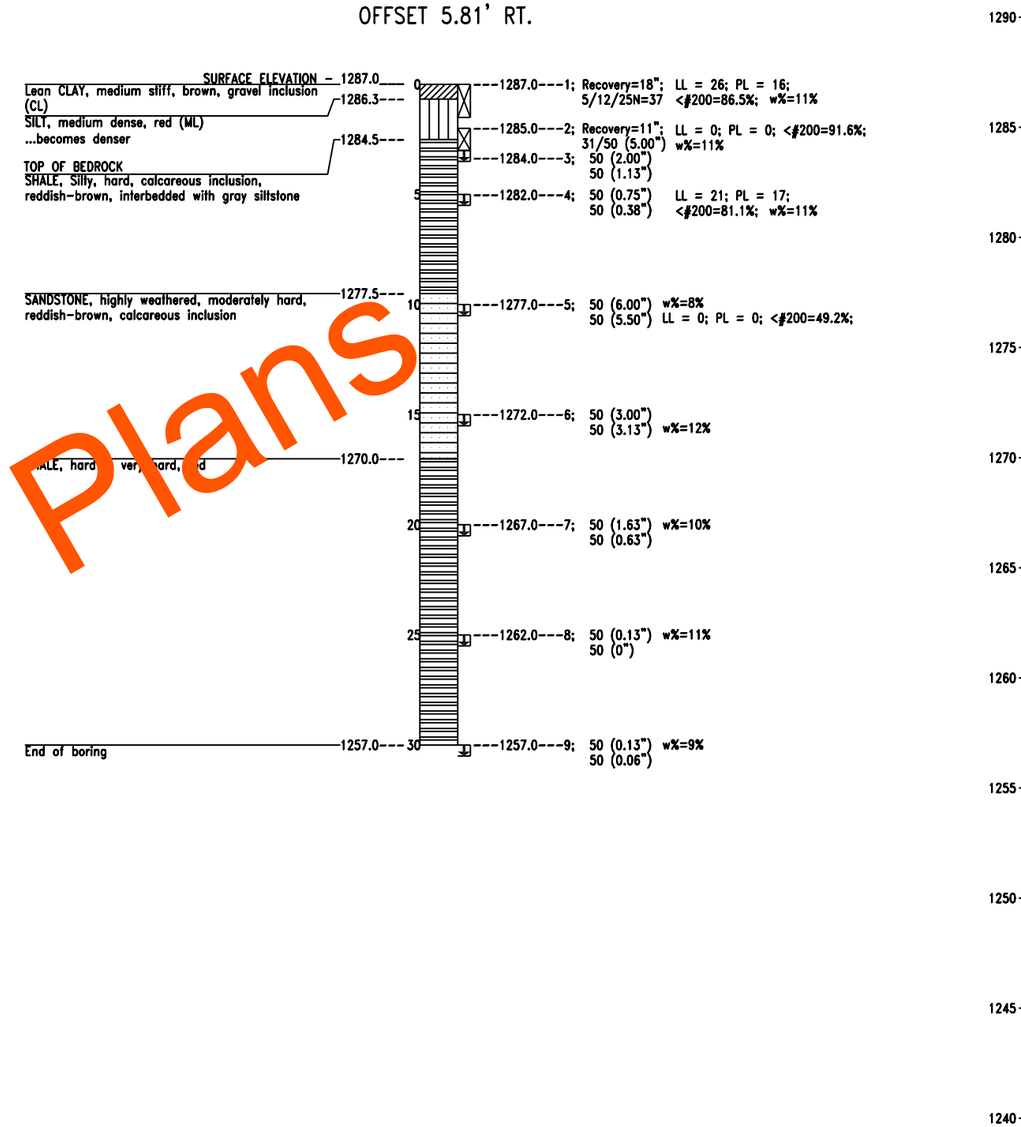
STATE JOB NO. 09032(06) SHEET NO. R078

6/1/2022 11:29:40 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Bridge\Drawings\Ph2 Walls\0903206 P2 Wall C1 FR .dgn

Boring Number WC1-3
Northing: 143654.79
Easting: 2150957.24
Date Drilled: 5/9/2017
BL WALL "C1" STA. 89+27.28
OFFSET 3.21' LT.



Boring Number WC1-4
Northing 143756.96
Easting: 2150924.27
Date Drilled: 5/12/2017
BL WALL "C1" STA. 90+34.70
OFFSET 5.81' RT.



Preliminary Plans

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PHASE 2 OKLAHOMA COUNTY

DESIGN		
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APPROVED		
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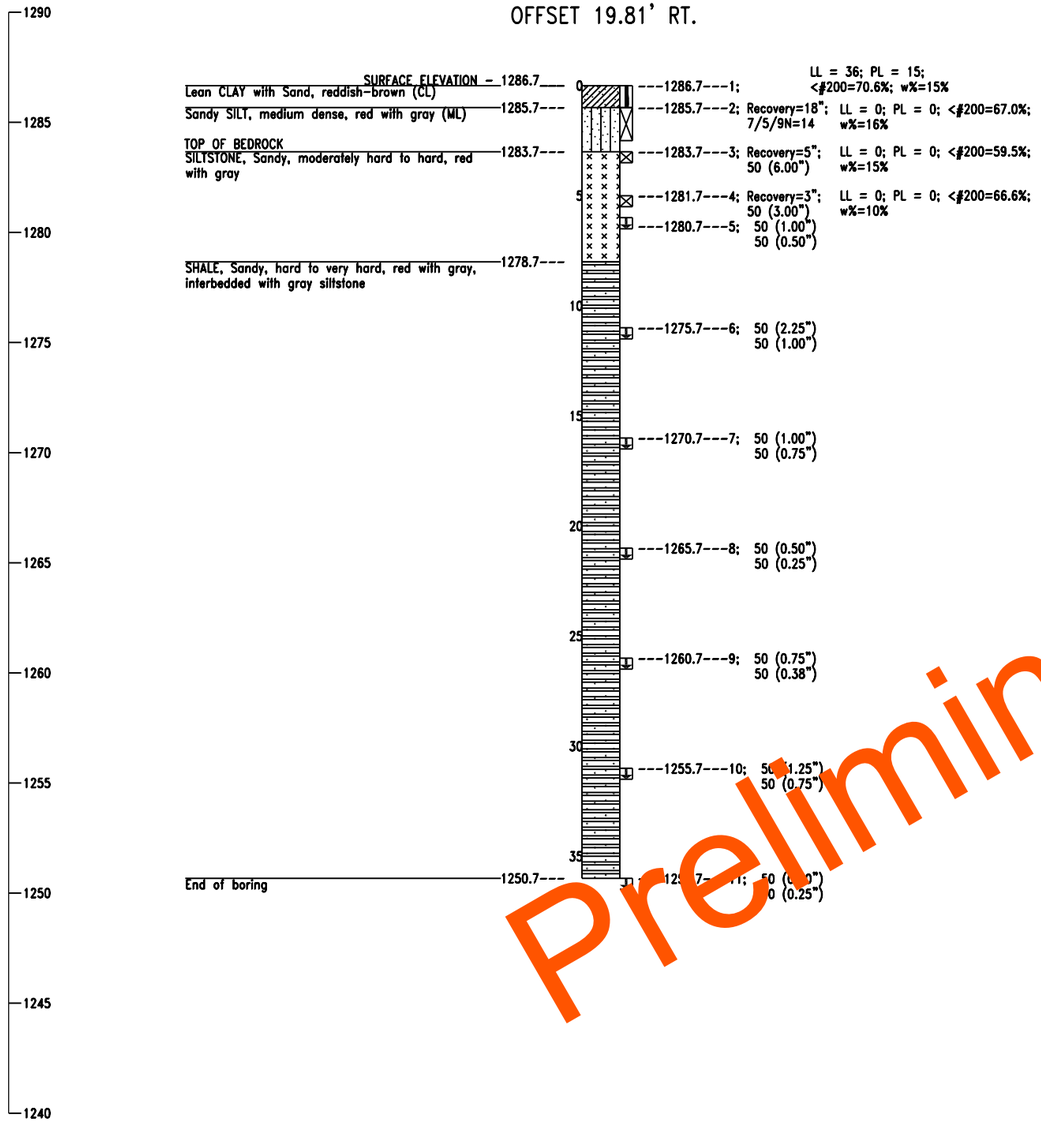
RETAINING WALL "C1"

FOUNDATION REPORT
(SHEET 2 OF 4)

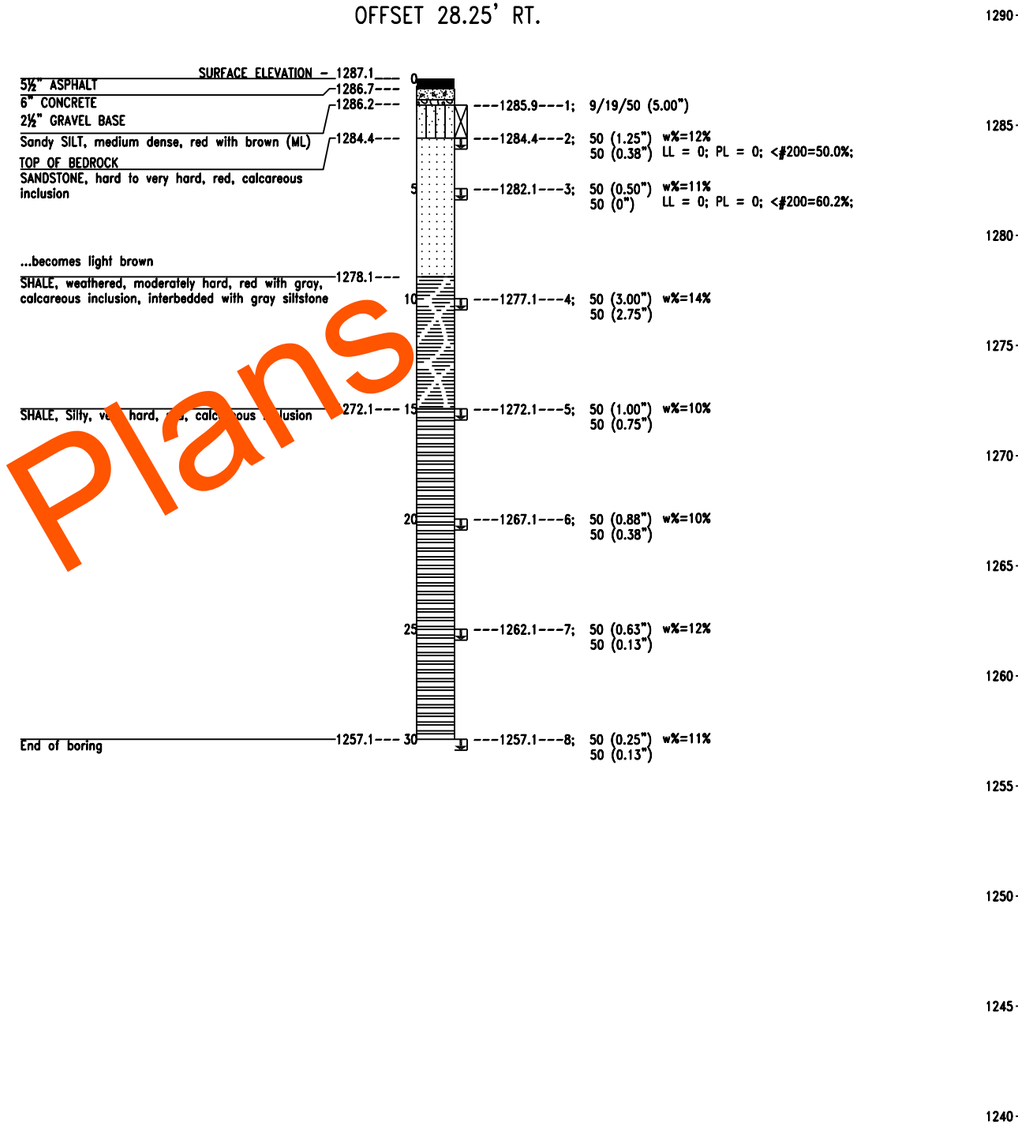
STATE JOB NO. 09032(06) SHEET NO. R079

6/1/2022 11:29:40 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Bridge\Drawings\Ph2 Walls\0903206 P2 Wall C1 FR .dgn

Boring Number WC1-5
Northing: 143864.36
Easting: 2150917.14
Date Drilled: 5/16/2017
BL WALL "C1" STA. 91+44.20
OFFSET 19.81' RT.



Boring Number WC1-6
Northing 143959.54
Easting: 2150923.06
Date Drilled: 5/12/2017
BL WALL "C1" STA. 92+41.25
OFFSET 28.25' RT.



Preliminary Plans

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DESIGN		
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PHASE 2 OKLAHOMA COUNTY

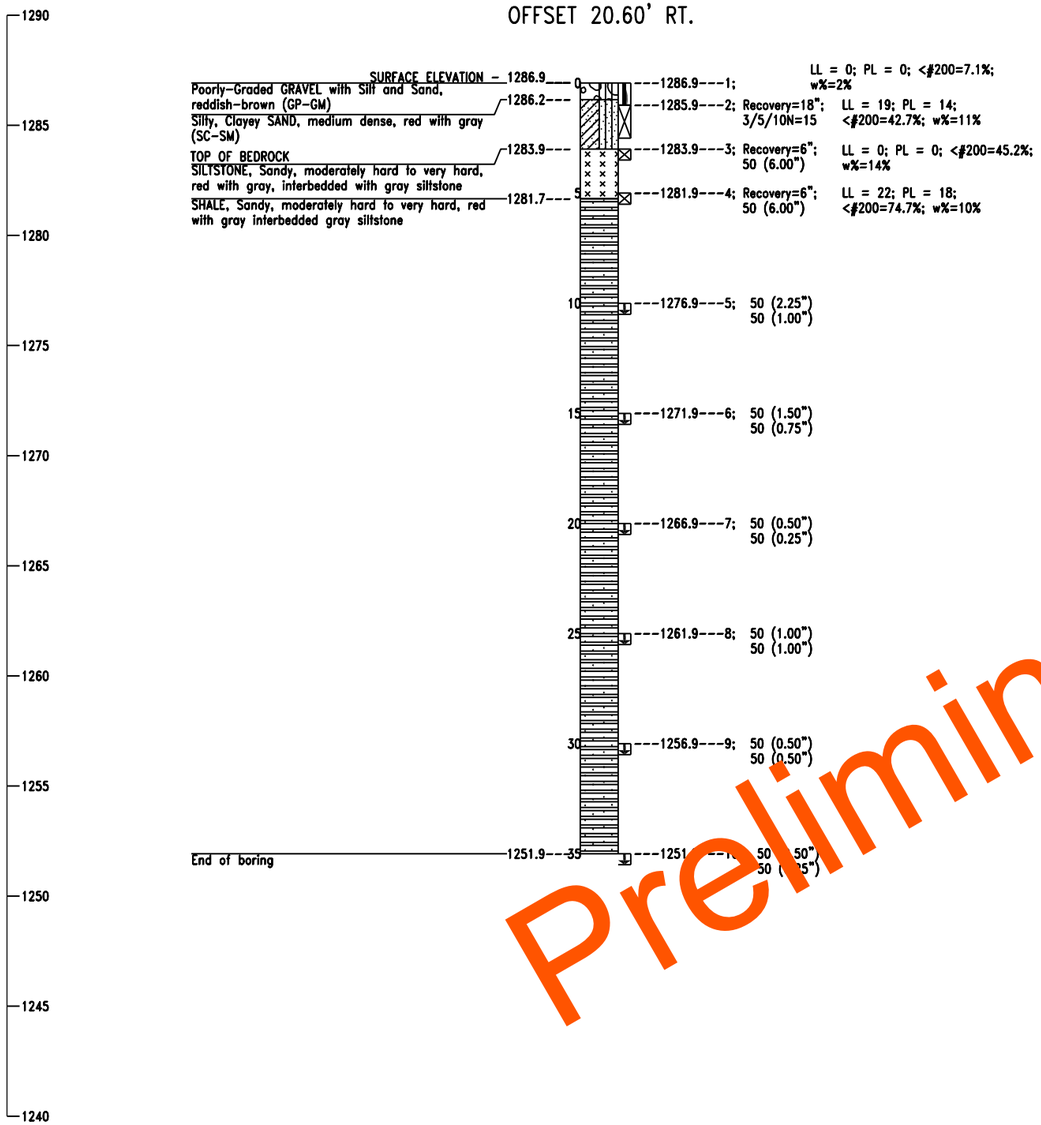
RETAINING WALL "C1"

FOUNDATION REPORT
(SHEET 3 OF 4)

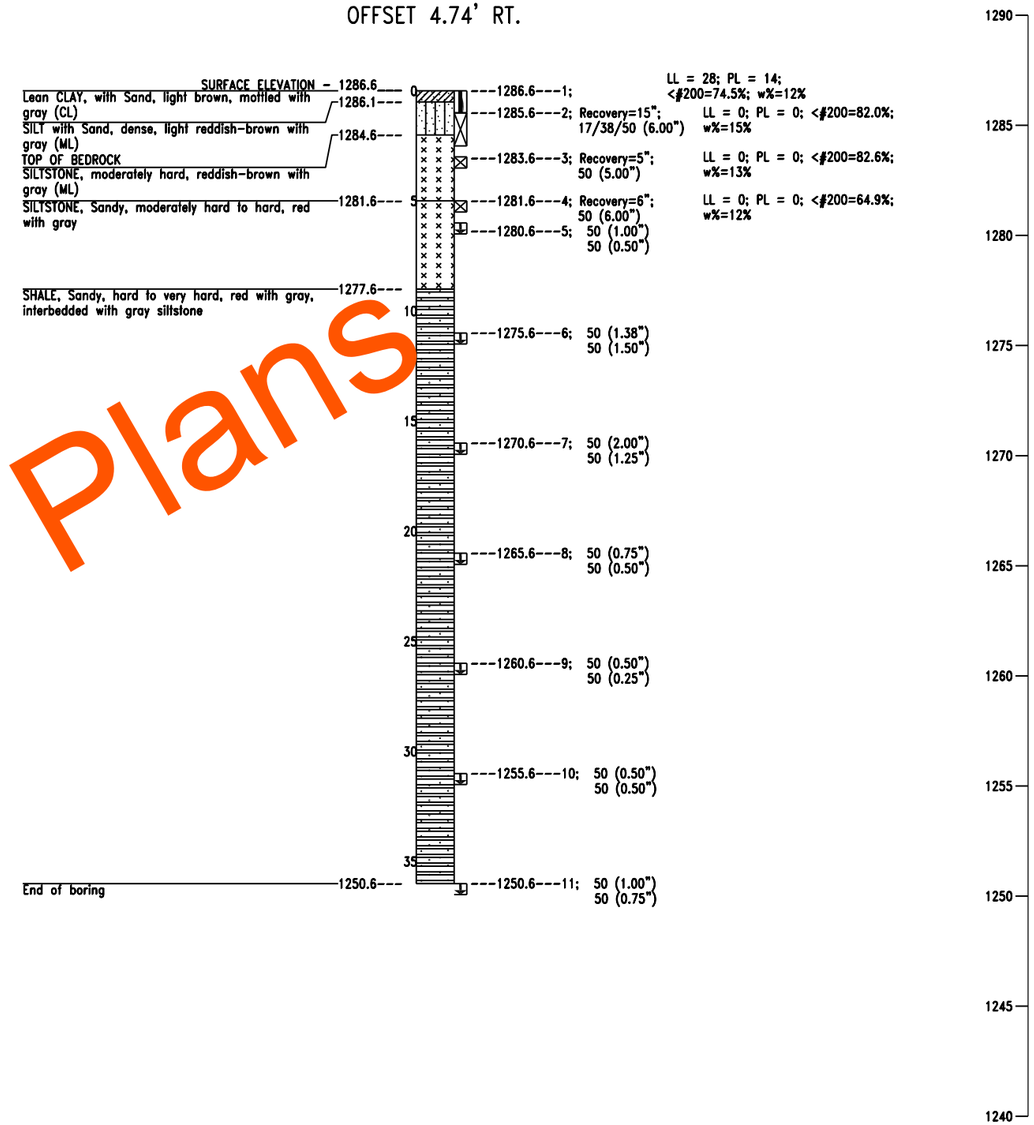
STATE JOB NO. 09032(06) SHEET NO. R080

6/1/2022 11:29:41 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Bridge\Drawings\Ph2 Walls\0903206 P2 Wall C1 FR .dgn

Boring Number WC1-7
Northing: 144052.84
Easting: 2150915.12
Date Drilled: 5/18/2017
BL WALL "C1" STA. 93+34.58
OFFSET 20.60' RT.



Boring Number WC1-8
Northing 144123.94
Easting: 2150899.04
Date Drilled: 5/18/2017
BL WALL "C1" STA. 94+05.74
OFFSET 4.74' RT.



Preliminary Plans

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PHASE 2 OKLAHOMA COUNTY

DESIGN		
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RETAINING WALL "C1"

FOUNDATION REPORT
(SHEET 4 OF 4)

STATE JOB NO. 09032(06) SHEET NO. R081

6/1/2022 11:29:42 AM
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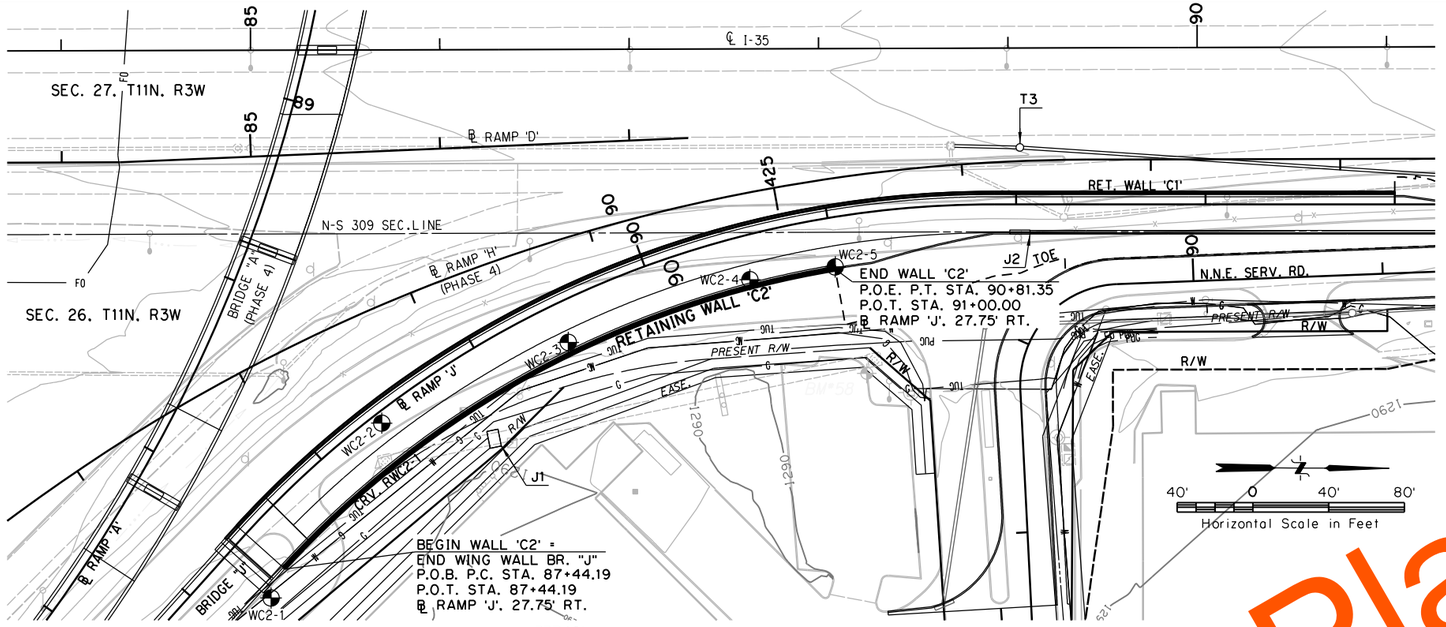
DESCRIPTION	REVISIONS	DATE

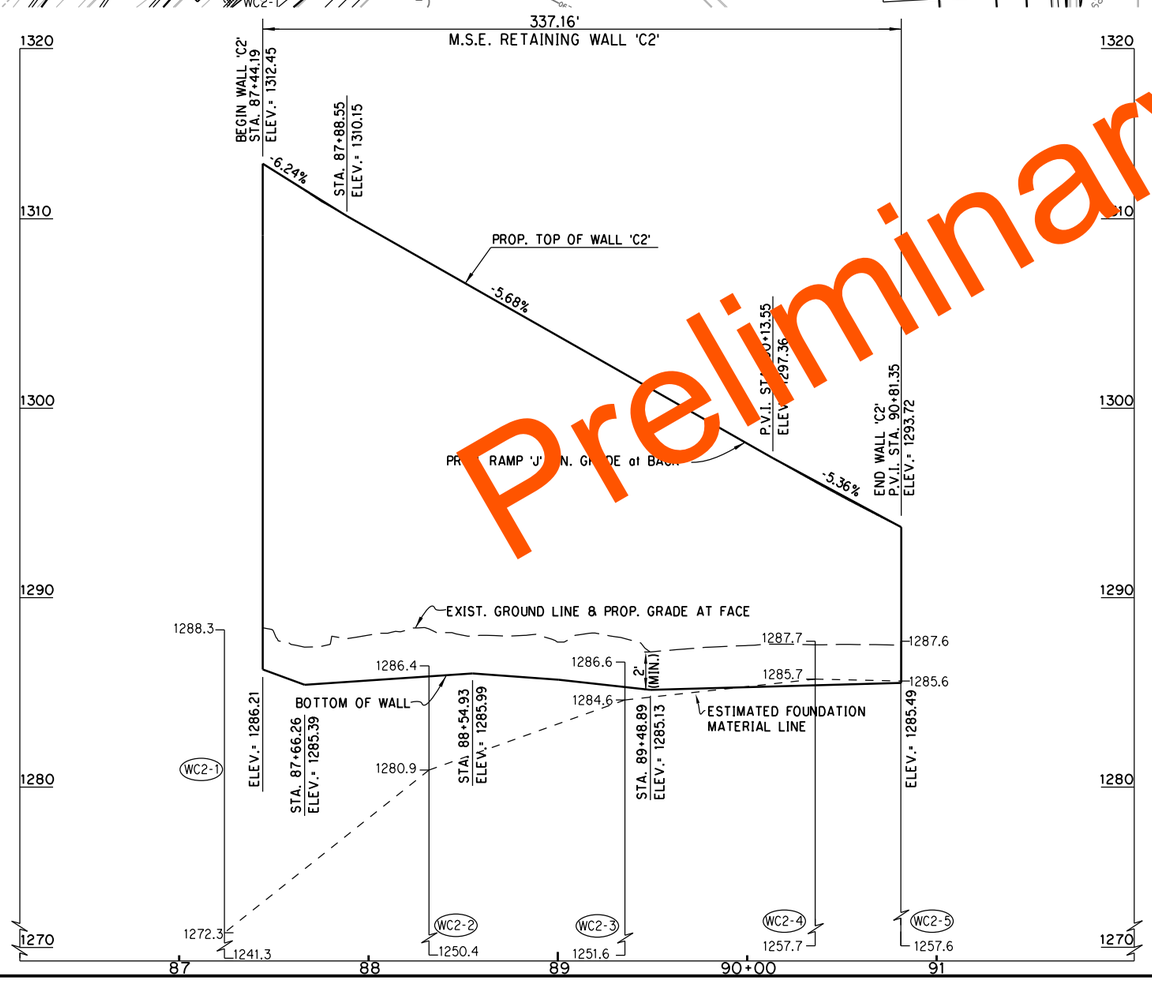


CURVE DATA RWC2-1

P.I. STA. 89+16.82
N: 143653.2679
E: 2150966.3127
Δ= 38°37'50.80" RT.
D= 11°16'27.01"
T= 178.12'
L= 342.65'
R= 508.20'
E= 30.31'

BM 5 ~ X ON CUR[illegible] AT CENTER OF INLET 258.21' LT ℄ I-35 [illegible] 81.41 ELEV.=1282.[illegible]

B[illegible]57 ~ SQU[illegible]E ON TOP OF [illegible]EADWALL 388.69' RT. ℄ I-[illegible] STA.84+07.16 ELEV.= 1286.09



Preliminary Plans

PHASE 2 OKLAHOMA COUNTY

DESIGN		
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APPROVED		
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M.S.E. RETAINING WALL 'C2'
PLAN & ELEVATION

STATE JOB NO. 09032(06) SHEET NO. R082

6/1/2022 11:29:44 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Bridge\Drawings\Ph2 Walls\0903206 P2 Wall C2 PE.dgn

Boring Number WC2-1
Northing: 143531.03
Easting: 2151100.74
Date Drilled: 5/17/2017
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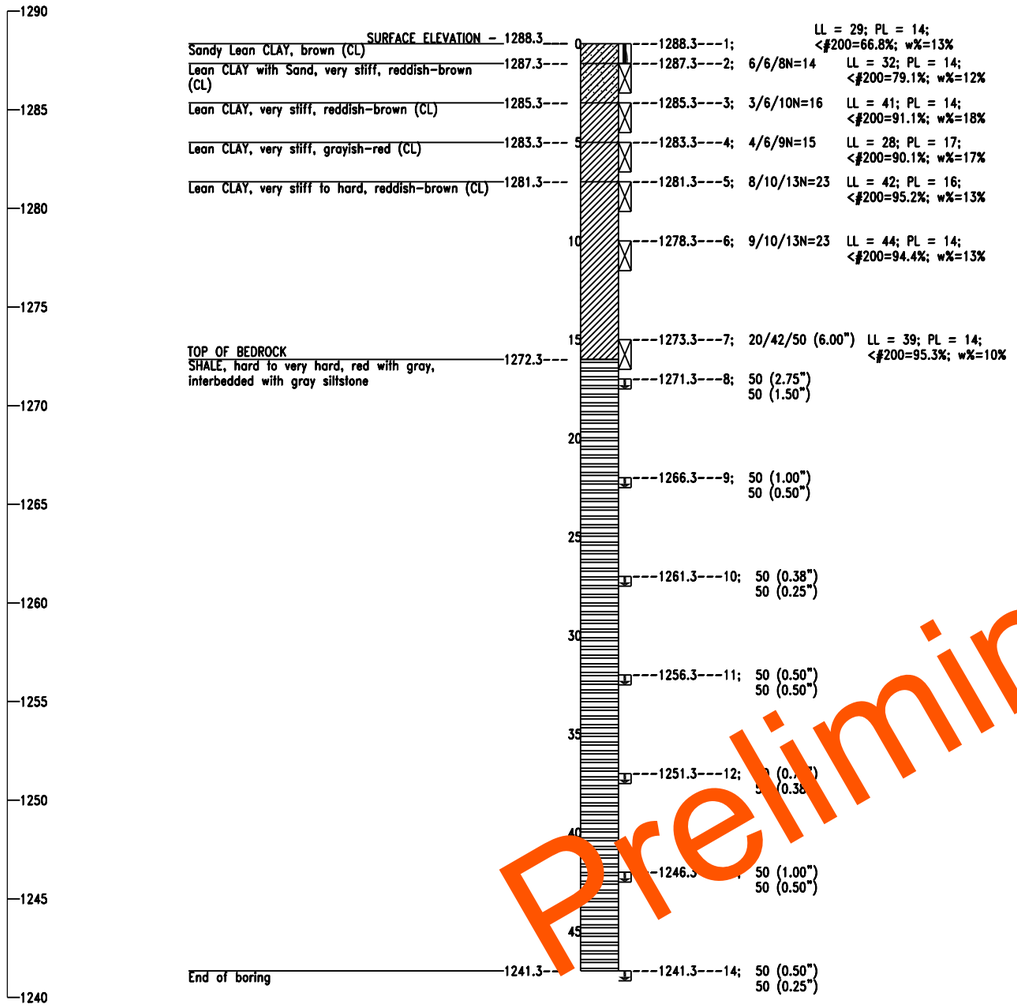
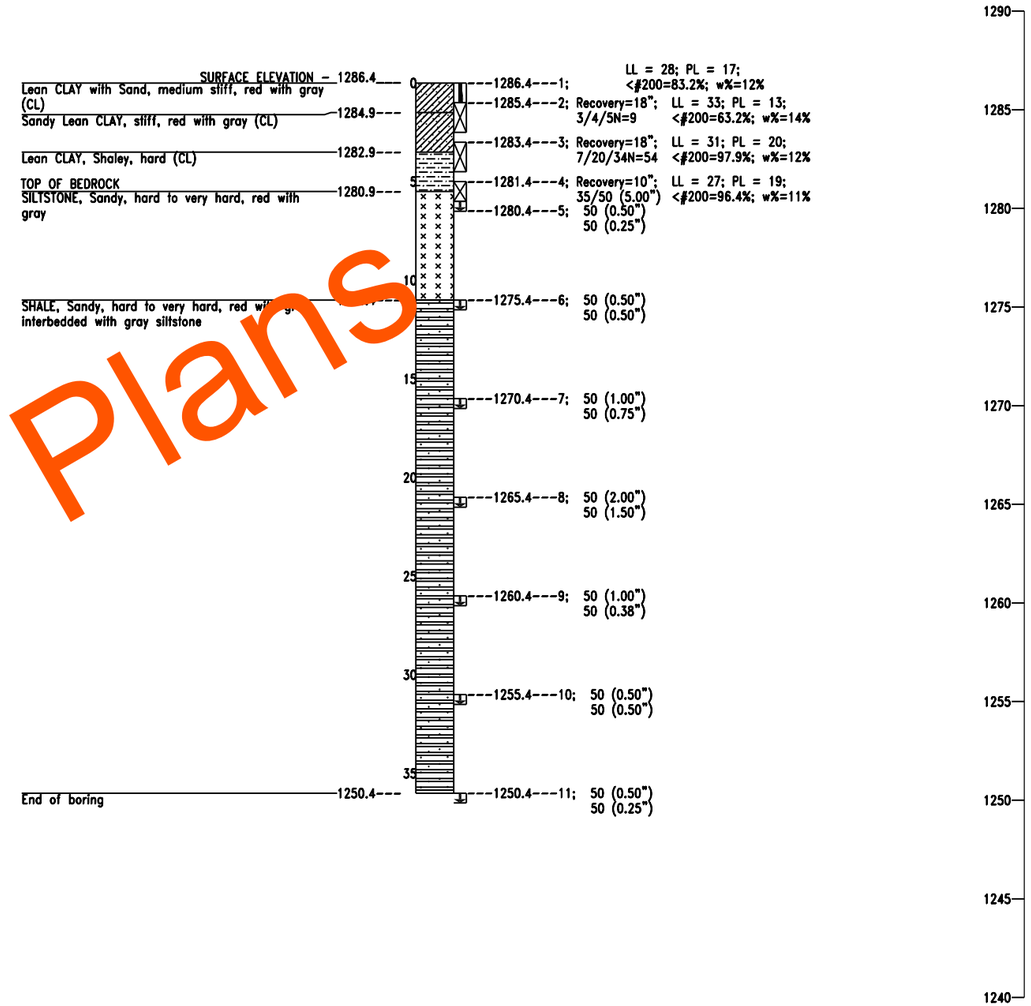
OFFSET 4.78' RT.



Boring Number WC2-2
Northing 143589.17
Easting: 2151018.23
Date Drilled: 5/17/2017
BL WALL "C2" STA. 88+31.89
OFFSET 22.17' LT.



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DESIGN		
DRAWN		
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SQUAD	PSI	

PHASE 2 OKLAHOMA COUNTY

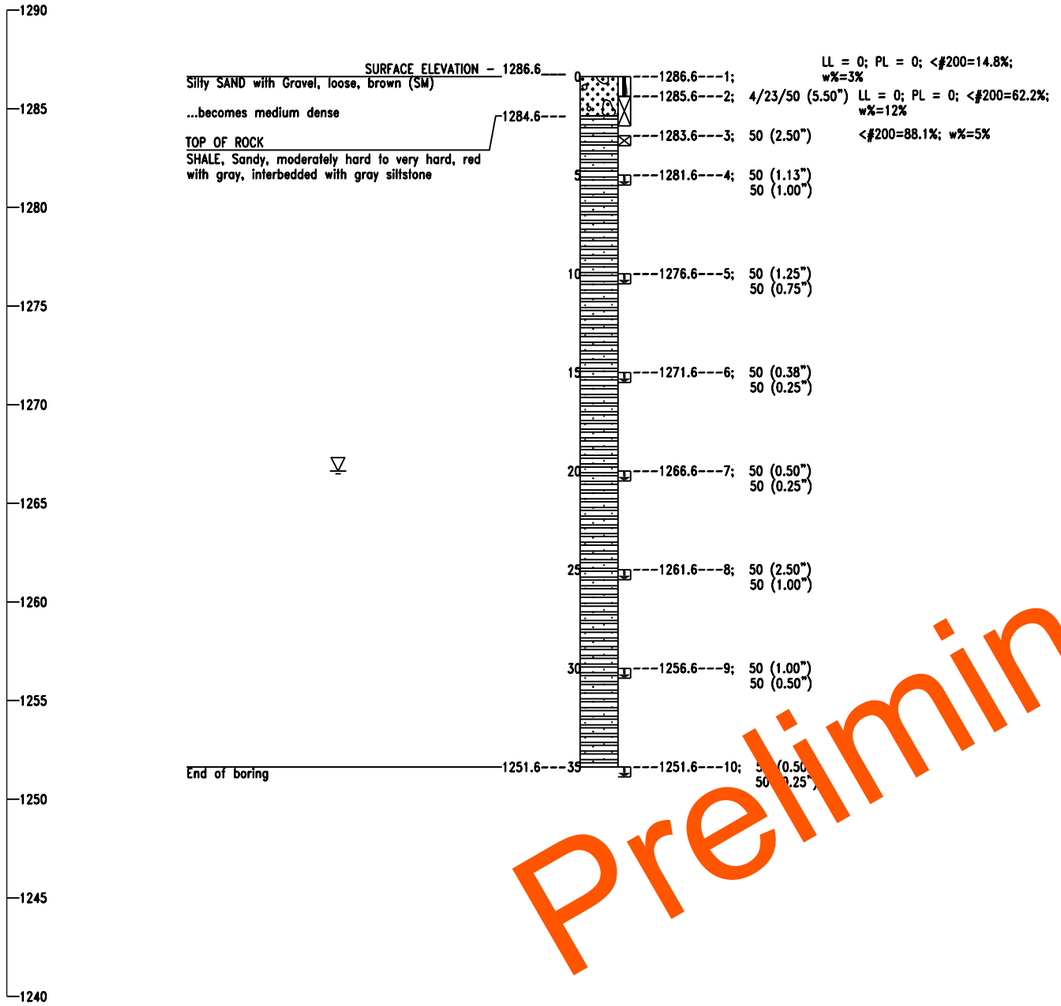
RETAINING WALL "C2"

FOUNDATION REPORT
(SHEET 1 OF 3)

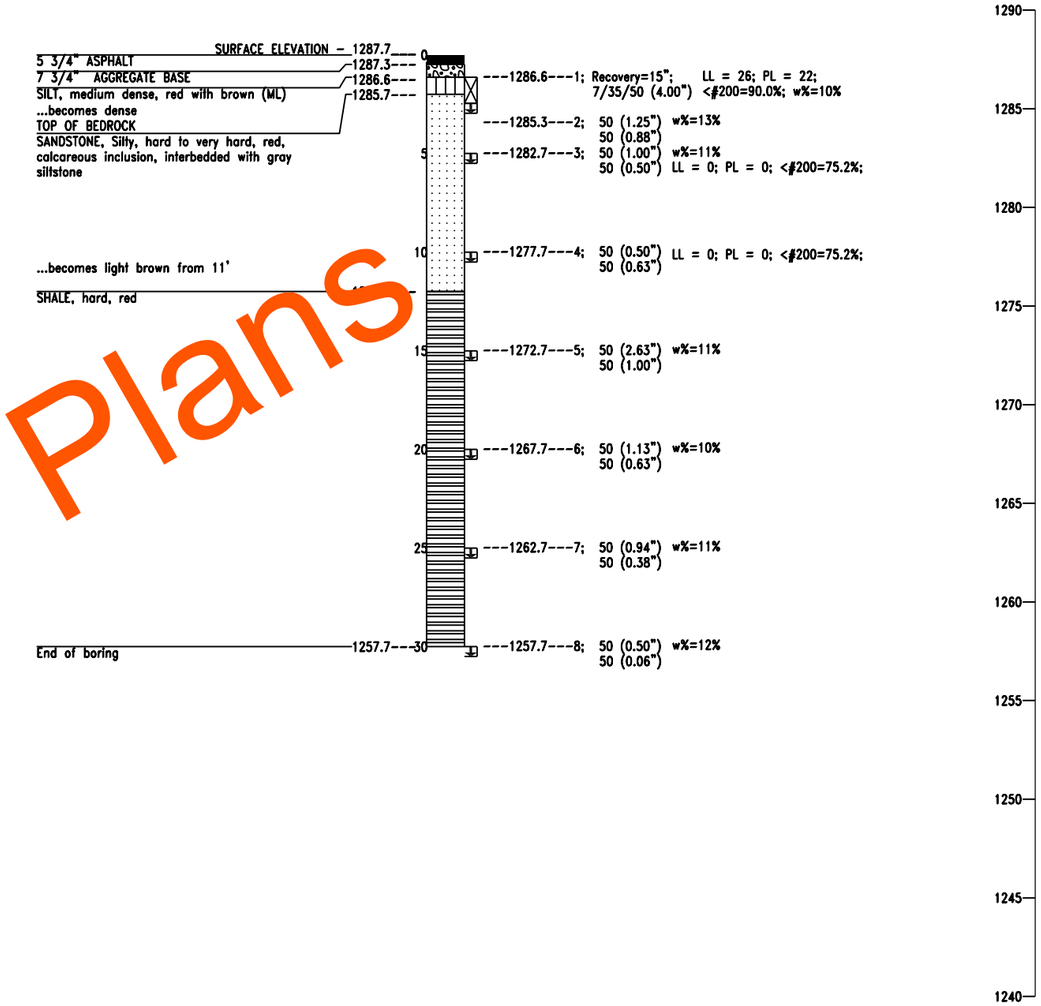
STATE JOB NO. 09032(06) SHEET NO. R083

6/1/2022 11:29:44 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Bridge\Drawings\Ph2 Walls\0903206 P2 Wall C2 FR .dgn

Boring Number WC2-3
Northing: 143687.57
Easting: 2150975.27
Date Drilled: 5/12/2017
BL WALL "C2" STA. 89+35.39
OFFSET 6.51' LT.



Boring Number WC2-4
Northing 143783.39
Easting: 2150941.86
Date Drilled: 5/12/2017
BL WALL "C2" STA. 90+35.93
OFFSET 4.36' LT.



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REVISIONS		
DESCRIPTION		DATE

PHASE 2 OKLAHOMA COUNTY

DESIGN		
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APPROVED		
SQUAD	PSI	

RETAINING WALL "C2"

FOUNDATION REPORT
(SHEET 2 OF 3)

STATE JOB NO. 09032(06) SHEET NO. R084

6/1/2022 11:29:45 AM
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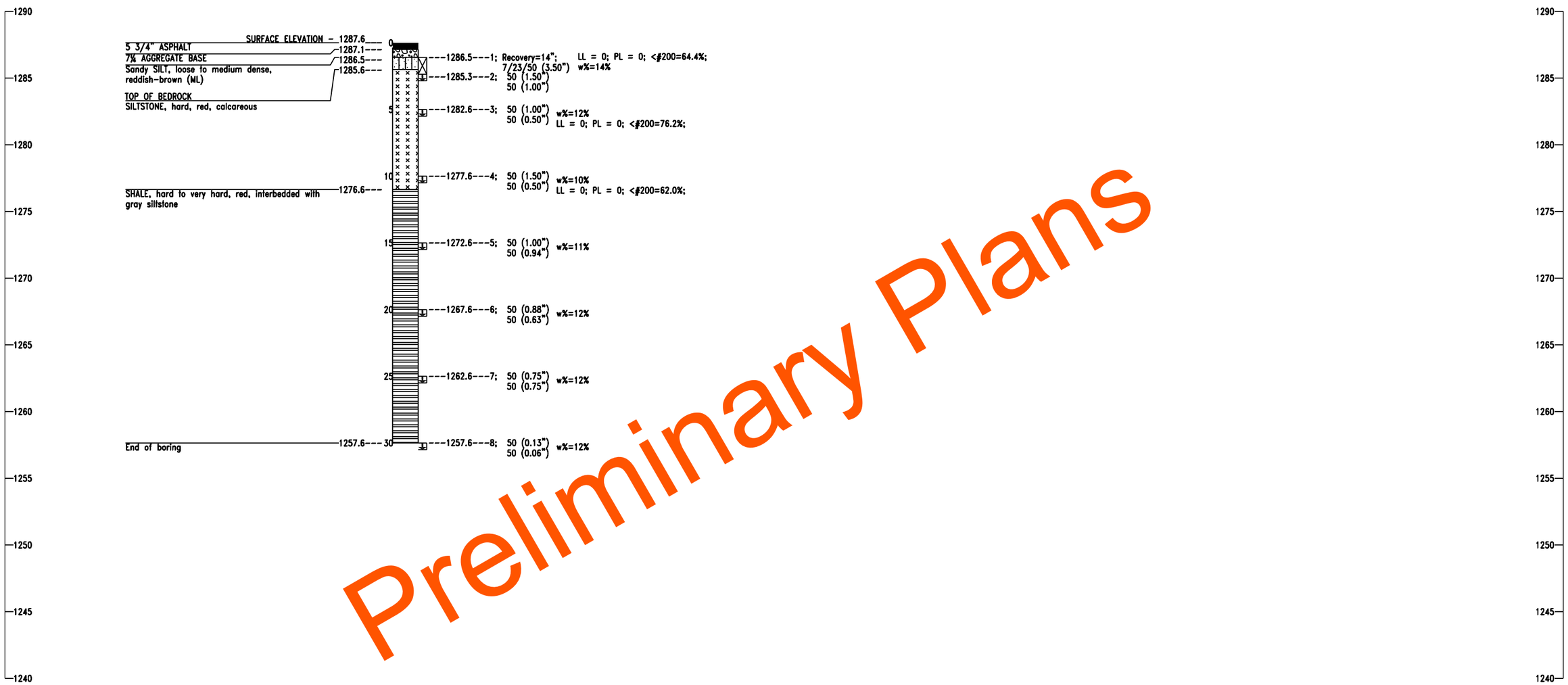
Boring Number WC2-5
Northing: 143828.40
Easting: 2150934.96
Date Drilled: 5/12/2017

BL WALL "C2" STA. 90+81.13
OFFSET 1.57' LT.



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DESCRIPTION		DATE

PHASE 2 OKLAHOMA COUNTY

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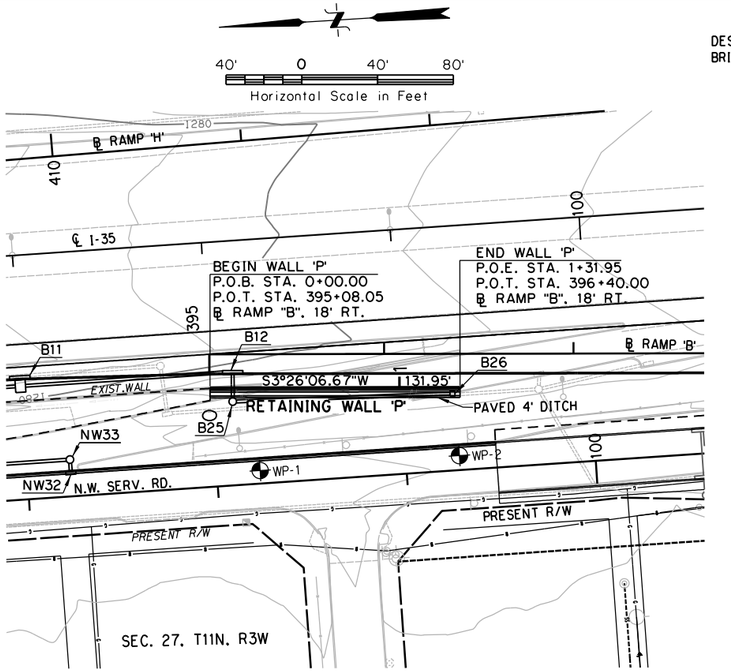
RETAINING WALL "C2"

FOUNDATION REPORT
(SHEET 3 OF 3)

STATE JOB NO. 09032(06) SHEET NO. R085

6/1/2022 11:29:46 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Bridge\Drawings\Ph2 Walls\0903206 P2 Wall C2 FR .dgn



BM 2 ~ "5 REBAR AT CHURCH 295.24' LT. ℄ I-35 STA.101+11.28 ELEV.= 1284.54	BM 3 ~ "X" ON CURB AT 71ST ST.326.63' LT. ℄ I-35 STA.92+35.03 ELEV.= 1279.32	BM 4 ~ "X" ON CURB AT 73RD ST.520.15' LT. ℄ I-35 STA.89+03.86 ELEV.= 1282.01

DESIGN DATA

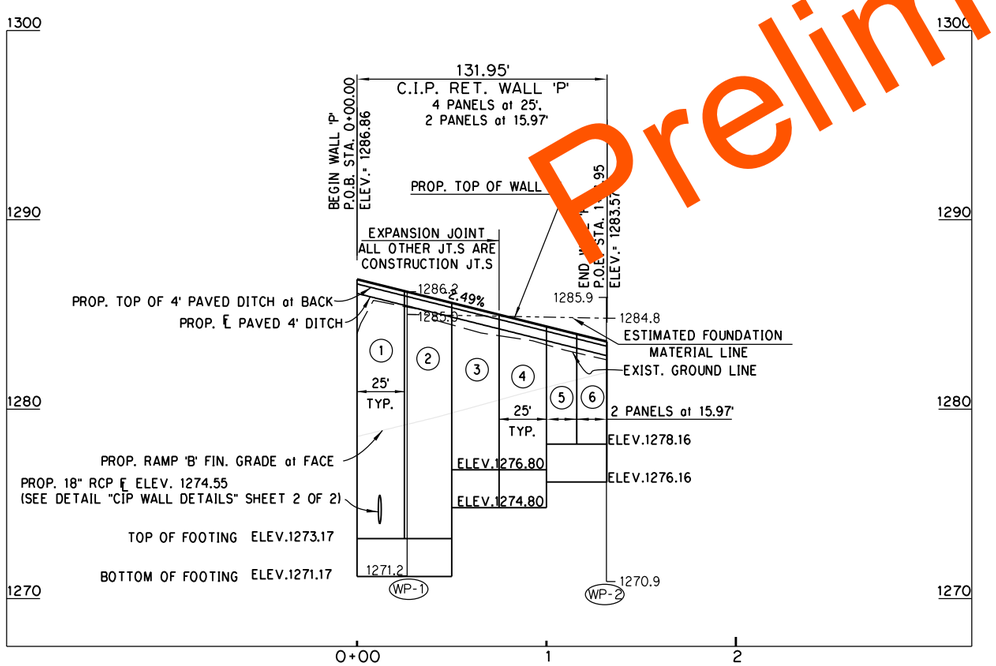
DESIGNED IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9th EDITION.

MATERIALS:

CONCRETE (CLASS A)	F'c	= 3 KSI
REINFORCING STEEL	Fy	= 60 KSI

RETAINING WALL 'P' QUANTITIES

ITEM	UNIT	TOTAL
CONCRETE RAIL (TR3)	L.F.	132
CLASS C CONCRETE	C.Y.	6.9
RETAINING WALL	S.Y.	135.5
GRAFFITI TREATMENT	S.F.	824
WATER REPELLANT (VISUALLY INSPECTED)	S.Y.	102



GENERAL NOTES

DESCRIPTION	REVISIONS	DATE

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH 2019 OKLAHOMA STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.
2. ALL CONCRETE EDGES SHALL HAVE A 1" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.
3. ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN.

VERIFICATION OF EXISTING CONDITIONS:
STATION, OFFSET, AND ELEVATION OF THE BEGINNING OF WALL "P" SHALL MATCH THE ROADWAY FACE OF THE EXISITING WALL. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS NECESSARY TO MATCH WALL P TO THE EXISITING WALL AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY THEREOF. BIDDERS WILL FULLY INFORM THEMSELVES OF THE NATURE OF THE WORK AND CONDITION UNDER WHICH IT WILL BE PERFORMED.

UTILITIES:
(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION PLANNED OR PRESENTLY UNDER CONSTRUCTION, THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES. NO PAYMENT WILL BE MADE FOR REMOVAL OF ABANDONED UTILITY PIPE LINES THAT INTERFERE WITH CONSTRUCTION. ALL COST TO BE INCLUDED IN OTHER ITEMS.

OKLAHOMA ONE-CALL SYSTEM:
IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM,INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

DESIGN NOTES:
THERE SHALL BE NO SURCHARGE WITHIN 25 FEET OF THE CREST OF THE TEMPORARY EXCAVATION SLOPE DURING CONSTRUCTION OF THE RETAINING WALLS.

CARE SHALL BE TAKEN IN THE DESIGN AND DURING CONSTRUCTION TO DEVELOP AND MAINTAIN RAPID, POSITIVE DRAINAGE AWAY FROM THE RETAINING WALL AREA. WATER SHOULD NOT BE ALLOWED TO POND ADJACENT TO EITHER THE UP SLOPE OR DOWN SLOPE SIDES OF THE RETAINING WALL. PROPER SURFACE DRAINAGE IS NEEDED TO PREVENT WATER FROM FLOWING OVER THE FACE OF THE WALL AND SATURATING EITHER THE FILL BEHIND THE WALL OR THE SUBGRADE SOILS AT THE BASE OF THE WALL.

CONVENTIONAL DE-WATERING METHODS SHOULD BE ADEQUATE FOR TEMPORARY REMOVAL OF ANY GROUNDWATER ENCOUNTERED DURING THE SHALLOW EXCAVATION PROCESS. MORE EXTENSIVE DE-WATERING MAY BE REQUIRED FOR EXCAVATIONS TO REMOVE SOFT SOILS AND/OR IF CONSTRUCTION OCCURS DURING WET PERIODS OF THE YEAR.

DESIGN PARAMETERS FOR C.I.P. RETAINING WALLS:
WHERE NEW EMBANKMENT IS NECESSARY, IT SHALL BE PLACED AND COMPACTED IN 6" LIFTS OF LOOSE MATERIALS TO NOT LESS THAN 95% OF THE STANDARD PROCTOR DENSITY. ALL DENSITY TESTS SHALL BE TESTED IN ACCORDANCE TO SECTION 106.03 OF THE 2019 ODOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

FOR FURTHER DESIGN INFORMATION NOT PROVIDED IN THE PLANS OR GEOTECHNICAL REPORT, REFER TO THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

PAYMENT:
THE PAYMENT FOR C.I.P. RETAINING WALL SHALL BE BASED ON THE SURFACE AREA SHOWN ON THE PLAN AND PROFILE SHEETS FROM THE TOP OF THE RETAINING WALLS TO TOP OF FOOTING.

ALL COST INCURRED DURING CONSTRUCTION OF THE C.I.P. RETAINING WALLS SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE YARD OF "RETAINING WALL". THE COST SHALL INCLUDE BUT NOT LIMITED TO: EXCAVATION, BACKFILL, BACKFILL MATERIAL, DRAINAGE SYSTEMS, FILTER FABRICS, PERFORATED AND NON-PERFORATED PIPE, CONCRETE, REINFORCING STEEL, CONCRETE SURFACE FORM LINERS, RAPID CURE JOINTS, FINISH, CONCRETE MOW STRIPS AND WATER STOPS.

ALL COST INCURRED DURING CONSTRUCTION OF CONCRETE DITCH SHALL BE INCLUDED IN THE UNIT PRICE BID PER CUBIC YARD OF "CLASS C CONCRETE".

TYPICAL FORM LINER AND CONCRETE FINISH NOTES:
THE EXPOSED CONCRETE SURFACES OF THE RETAINING WALL SYSTEM SHALL HAVE THE FORM LINER SURFACE TREATMENT THAT HAS BEEN PRE-APPROVED BY THE ENGINEER FOR THE AESTHETIC THEME OF THE PROJECT. SEE BRIDGE-AESTHETIC SHEETS FOR DETAILS.

THE CONTRACTOR SHALL SUBMIT THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PRODUCT DATA FOR THE TEXTURE SURFACE TREATMENTS. SHOP DRAWINGS SHALL INDICATE FORM LINER LAYOUT, RUSTICATION, REVEAL, AND CHAMFER STRIPS. LOCATION OF JOINTS AND FORM TIES SHALL BE INCLUDED. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, FOR HIS APPROVAL, A SAMPLE PANEL OF THE APPROVED FORM LINER SURFACE TREATMENTS. THE SAMPLE PANEL SHALL BE AN 2' x 2' PANEL WITH SURFACE TREATMENTS. FOLLOWING THE APPROVAL OF THE SMALL SAMPLE PANEL, THE CONTRACTOR SHALL PROVIDE ONE FULL SCALE MOCK-UP PANEL OF THE SURFACE TREATMENT USING PROPOSED MATERIALS, METHODS AND WORKMANSHIP. THE PANELS SHALL BE APPROVED BY THE ENGINEER ON THE SITE. THE MOCK-UP PANELS SHALL BE A MINIMUM OF 50 SQUARE FEET IN SIZE, AND MAY BE INCORPORATED INTO THE ACTUAL WALLS.

THE MOCK-UP PANEL SHALL INCORPORATE THE PROPOSED CONCRETE MIX, FORM WORK, TIES, FORM LINER, FORM RELEASE AGENTS, PLACEMENT RATE, FORM PRESSURES, JOINT SEALER, VIBRATING, AND FORM STRIPPING PRACTICES.

THE MOCK-UPS SHALL BE ACCEPTED BY THE ENGINEER PRIOR TO BEGINNING FORM WORK FOR THE PROJECT. THE ACCEPTED MOCK-UPS WILL BE THE STANDARD FOR TECHNICAL AND AESTHETIC MERIT.

FORM WORK SHALL BE DESIGNED BY THE CONTRACTOR TO COMPLY WITH ALL REQUIREMENTS BY THE FORM LINER MANUFACTURER. THIS INCLUDES, ALL REQUIREMENTS OF THE FORM LINER MANUFACTURER FOR HANDLING AND INSTALLATION OF THE FORM LINERS AS WELL AS THE APPLICATION OF RELEASE AGENTS. PLACEMENT OF CONCRETE, VIBRATING OF CONCRETE, AND REMOVAL OF FORMS SHALL BE FOLLOWED. FORM LINER BUTT JOINT SHALL BE CAREFULLY LINED UP TO PROVIDE A SURFACE FREE FROM VISIBLE SEAM LINES.

PIPE UNDER DRAIN INSTALLATION:
RETAINING WALL UNDER DRAIN SHALL BE CONNECTED TO APPROXIMATELY 5 LF OF 6" NON-PERFORATED PIPE EXTENDING FROM PANEL 1 AND STUBBED INTO DRAINAGE STRUCTURE B-25.

Preliminary Plans

PHASE 2 OKLAHOMA COUNTY

DESIGN		
DRAWN		
CHECKED		
APPROVED		
SQUAD	POE	

C.I.P. RETAINING WALL 'P'
PLAN & ELEVATION

STATE JOB NO. 09032(06) SHEET NO. R086

6/1/2022 11:29:47 AM
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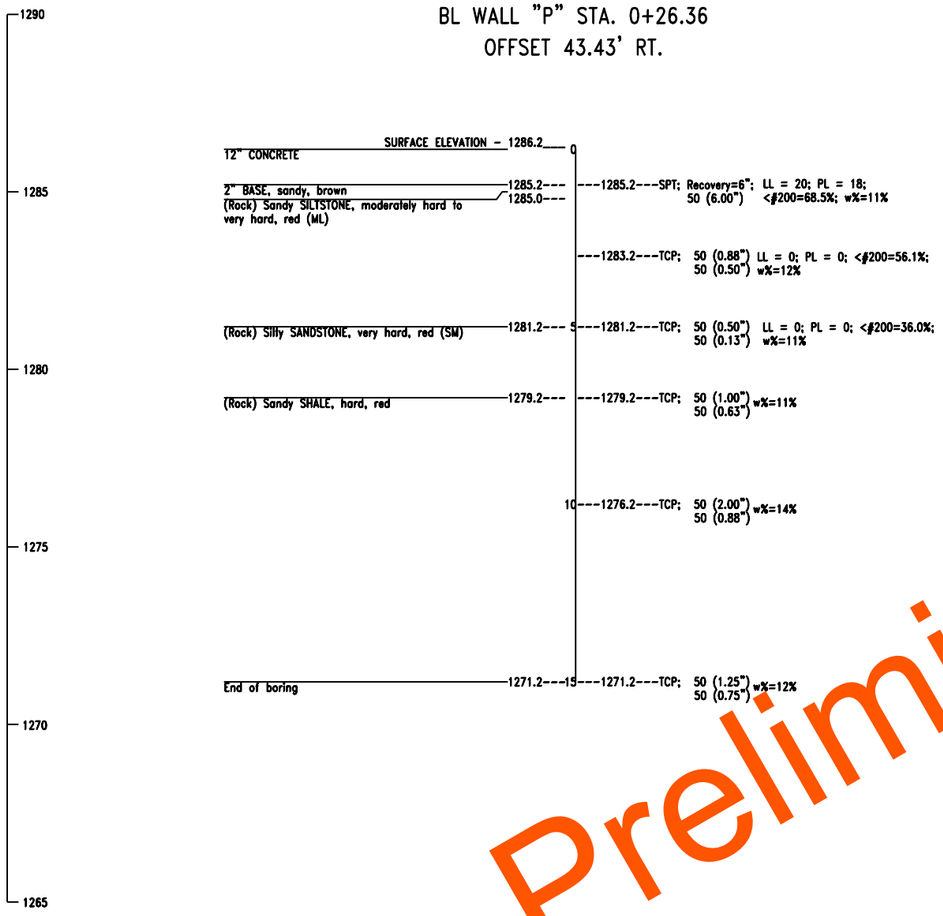
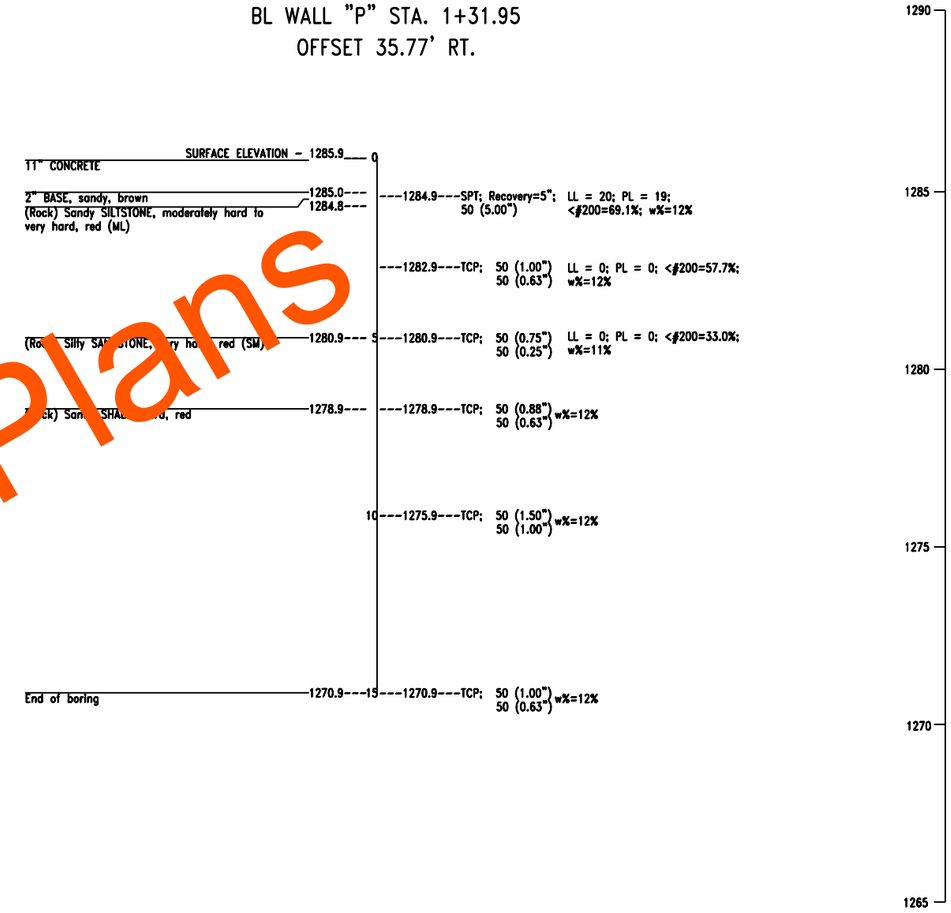
DESCRIPTION	REVISIONS	DATE

Boring Number WP-1
Northing: 145195.6018
Easting: 2150689.3892
Date Drilled: 04/11/19
BL WALL "P" STA. 0+26.36
OFFSET 43.43' RT.



Boring Number WP-2
Northing: 145090.0844
Easting: 2150690.7304
Date Drilled: 04/11/19
BL WALL "P" STA. 1+31.95
OFFSET 35.77' RT.



Preliminary Plans

GEOLOGIC STATEMENT

"Division Four" of the "Engineering Classification of Geological Materials", published by the Oklahoma Department of Transportation (ODOT) indicates that the site is underlain by the Hennessey Unit (Phy). The geologic unit is described below.

This unit consists of red platy to blocky clay shales and mudstone. The mudstones are hard and appear blocky. The red clay shale of the Hennessey Unit is characterized by numerous bands of streaks of white or light green color ranging from a few inches to four feet in thickness.

The total thickness of the unit is about 400 feet.

The Hennessey Unit outcrops in a 5- to 15-mile north-south band across Grant, Garfield, Kingfisher, Logan, Canadian, and Oklahoma Counties in Division Four. Topographically, the unit is near level to gently rolling and is generally grass covered or cultivated.

GEOTECHNICAL REPORT

All geotechnical information contained on this sheet is covered by the engineering seal affixed to an original geotechnical engineering report that has been stamped and sealed by a professional engineer licensed in Oklahoma. To obtain a copy of the complete report, contact the ODOT office engineer at (405) 521-2625. The contractor should be fully aware of the site conditions prior to beginning work. Any additional geotechnical information which may be desired is the responsibility of the contractor.

Note: Water level elevations shown were obtained at the time the borings were drilled and may fluctuate throughout the year.

NOTE: SPT - Split Spoon Sampling
TCP - Texas Cone Penetrator Test
AUG - Augur Cutting Sample
LL - Liquid Limit
PL - Plastic Limit

<#200 - Percent passing #200 sieve
w% - Moisture content
N - Number of blows per 12 inches
▽ Denotes depth to observed groundwater

PHASE 2 OKLAHOMA COUNTY

DESIGN		
DRAWN		
CHECKED		
APPROVED		
SQUAD	PSI	

RETAINING WALL "P"

FOUNDATION REPORT

STATE JOB NO. 09032(06) SHEET NO. R087

6/1/2022 11:29:48 AM
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DESCRIPTION	REVISIONS	DATE

M.S.E. NOTES

TYPICAL FORM LINER AND CONCRETE FINISH NOTES:

THE EXPOSED CONCRETE SURFACES OF THE RETAINING WALL SYSTEM SHALL HAVE THE FORM LINER SURFACE TREATMENT THAT HAS BEEN PRE-APPROVED BY THE ENGINEER FOR THE AESTHETIC THEME OF THE PROJECT.

THE CONTRACTOR SHALL SUBMIT THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PRODUCT DATA FOR THE TEXTURE SURFACE TREATMENTS. SHOP DRAWINGS SHALL INDICATE FORM LINER LAYOUT, RUSTICATION, REVEAL, AND CHAMFER STRIPS, LOCATION OF JOINTS AND FORM TIES SHALL BE INCLUDED. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, FOR HIS APPROVAL, A SAMPLE PANEL OF THE APPROVED FORM LINER SURFACE TREATMENTS. THE SAMPLE PANEL SHALL BE AN 2' x 2' PANEL WITH SURFACE TREATMENTS.

FOLLOWING THE APPROVAL OF THE SMALL SAMPLE PANEL, THE CONTRACTOR SHALL PROVIDE ONE FULL SCALE MOCK-UP PANEL OF THE SURFACE TREATMENT USING PROPOSED MATERIALS, METHODS AND WORKMANSHIP. THE PANELS SHALL BE APPROVED BY THE ENGINEER ON THE SITE. THE MOCK-UP PANELS SHALL BE A MINIMUM OF 50 SQUARE FEET IN SIZE, AND MAY BE INCORPORATED INTO THE ACTUAL WALLS.

THE MOCK-UP PANEL SHALL INCORPORATE THE PROPOSED CONCRETE MIX, FORM WORK, TIES, FORM LINER, FORM RELEASE AGENTS, PLACEMENT RATE, FORM PRESSURES, JOINT SEALER, VIBRATING, AND FORM STRIPPING PRACTICES.

THE MOCK-UPS SHALL BE ACCEPTED BY THE ENGINEER PRIOR TO BEGINNING FORM WORK FOR THE PROJECT. THE ACCEPTED MOCK-UPS WILL BE THE STANDARD FOR TECHNICAL AND AESTHETIC MERIT.

FORM WORK SHALL BE DESIGNED BY THE CONTRACTOR TO COMPLY WITH ALL REQUIREMENTS BY THE FORM LINER MANUFACTURER. THIS INCLUDES, ALL REQUIREMENTS OF THE FORM LINER MANUFACTURER FOR HANDLING AND INSTALLATION OF THE FORM LINERS AS WELL AS THE APPLICATION OF RELEASE AGENTS, PLACEMENT OF CONCRETE, VIBRATING OF CONCRETE, AND REMOVAL OF FORMS SHALL BE FOLLOWED. FORM LINER BUTT JOINT SHALL BE CAREFULLY LINED UP TO PROVIDE A SURFACE FREE FROM VISIBLE SEAM LINES.

GENERAL NOTES FOR M.S.E. WALLS:

MATERIALS, DESIGN, AND METHODS USED IN CONSTRUCTION OF RETAINING WALLS SHALL BE IN ACCORDANCE WITH 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, UNLESS OTHERWISE NOTED.

THE REINFORCED ZONE MATERIALS SHALL EXTEND HORIZONTALLY FROM THE BACK OF THE PANELS TO THE END OF THE EARTH REINFORCEMENTS. THE REINFORCED ZONE MATERIAL SHALL EXTEND VERTICALLY FROM THE TOP OF THE LEVELING PAD TO THE PROPOSED GROUND LINE.

MINIMUM EARTH OR PAVEMENT COVER OF 2.0' SHALL BE PROVIDED FROM THE TOP OF THE LEVELING PAD FINISHED GRADE.

STANDARD PRECAST CONCRETE PANELS SHALL HAVE A MAXIMUM PANEL HEIGHT OF SIX (6') FEET AND A MINIMUM PANEL HEIGHT OF FOUR (4') FEET.

AN OPEN JOINT SHALL BE PROVIDED AROUND THE PERIMETER OF THE CONCRETE PANELS. THE NOMINAL JOINT OPENING SHALL BE BETWEEN ⅜" AND ¾". THE JOINT CONFIGURATION SHALL BE SUCH THAT THE FILTER FABRIC OR PAD MATERIALS ARE NOT EXPOSED AT THE WALL FACE.

PANELS SHALL FOLLOW THE CURVATURE OF THE WALL AS SHOWN IN THE PLANS. A ONE PIECE CORNER PANEL SHALL BE PROVIDED FOR WALL ANGLE CHANGES OF GREATER THAN 30 DEGREES. BUTTING OF CHAMFERED PANELS WILL BE ALLOWED FOR ANGLE CHANGES OF 30 DEGREES OR LESS.

A CONCRETE COPING SHALL BE PROVIDED ALONG THE TOP OF WALLS. THE JOINTS BETWEEN ALL COPING SEGMENTS SHALL BE SEALED TO PREVENT INFILTRATION OF WATER INTO THE RETAINING WALL BACKFILL. SEALING SHALL BE IN ACCORDANCE WITH SECTION 518 OF THE STANDARD SPECIFICATIONS. ALL COST FOR SEALING COPING SEGMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE YARD OF "M.S.E. RETAINING WALL". IF CAST-IN-PLACE COPING IS USED, THEN JOINTS SHALL BE PLACED TO COINCIDE WITH PRECAST PANEL JOINTS. THE WALL FACE PANELS SHALL EXTEND UP INTO THE COPING A MINIMUM OF 2 INCHES.

IF COPING IS PRECAST, A SMOOTH LEVEL-UP STRIP SHALL BE PROVIDED ON TOP OF THE PRECAST PANELS PRIOR TO INSTALLATION OF THE COPING. SHIMS MAY BE USED ON TOP OF THE LEVEL-UP STRIP TO FACILITATE ALIGNMENT.

IF EXISTING OR FUTURE STRUCTURES, PIPES, FOUNDATIONS OR GUARDRAIL POSTS WHICH ARE WITHIN REINFORCED SOIL VOLUME INTERFERE WITH THE NORMAL PLACEMENT OF REINFORCING MESH AND SPECIFIC DIRECTION HAS NOT BEEN PROVIDED ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO DETERMINE WHAT SOURCE OF ACTION SHOULD BE TAKEN.

DESIGN NOTES:

MECHANICALLY STABILIZED EARTH (M.S.E.) WALLS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF OKLAHOMA IN ACCORDANCE WITH THE CURRENT EDITION OF THE AASHTO LRFD DESIGN SPECIFICATIONS AND CURRENT INTERIMS. DESIGN CALCULATIONS AND DRAWINGS SHALL BE SUBMITTED TO ODOT BRIDGE DIVISION FOR APPROVAL PRIOR TO CONSTRUCTION.

THERE SHALL BE NO SURCHARGE WITHIN 25 FEET OF THE CREST OF THE TEMPORARY EXCAVATION SLOPE DURING CONSTRUCTION OF THE RETAINING WALLS.

WHERE RECOMMENDED TEMPORARY EXCAVATION SLOPES WOULD RESULT IN RIGHT-OF-WAY ENCROACHMENT, OR FOR THE PURPOSES OF SOIL STABILITY DURING EXCAVATION, TEMPORARY SHEET PILING SHALL BE REQUIRED. AT THE CONTRACTOR'S OPTION AND WITH APPROVAL OF THE ENGINEER, THE TEMPORARY SHEET PILING MAY BE CUT A MINIMUM OF 2' BELOW THE GROUND LINE AND LEFT IN PLACE.

CARE SHALL BE TAKEN IN THE DESIGN AND DURING CONSTRUCTION TO DEVELOP AND MAINTAIN RAPID, POSITIVE DRAINAGE AWAY FROM THE RETAINING WALL AREA. WATER SHOULD NOT BE ALLOWED TO POND ADJACENT TO EITHER THE UP SLOPE OR DOWN SLOPE SIDES OF THE RETAINING WALL. PROPER SURFACE DRAINAGE IS NEEDED TO PREVENT WATER FROM FLOWING OVER THE FACE OF THE WALL AND SATURATING EITHER THE FILL BEHIND THE WALL OR THE SUBGRADE SOILS AT THE BASE OF THE WALL.

CONVENTIONAL DE-WATERING METHODS SHOULD BE ADEQUATE FOR TEMPORARY REMOVAL OF ANY GROUND WATER ENCOUNTERED DURING THE SHALLOW EXCAVATION PROCESS. MORE EXTENSIVE DE-WATERING MAY BE REQUIRED FOR EXCAVATIONS TO REMOVE SOFT SOILS AND/OR IF CONSTRUCTION OCCURS DURING WET PERIODS OF THE YEAR.

DESIGN PARAMETERS FOR M.S.E. RETAINING WALLS:

DESIGN OF THE M.S.E. RETAINING WALLS BACKFILL SHALL BE BASED ON THE FOLLOWING DESIGN PARAMETERS:

MINIMUM UNIT WEIGHT = 120 PCF
MAXIMUM FRICTION ANGLE = 34°
COHESION = 0 PSF

FOR ANALYSIS OF ULTIMATE AND ALLOWABLE BEARING CAPACITY, IF THE WATER IS LOCATED AT OR ABOVE THE LEVELING PAD, A BUOYANT UNIT WEIGHT OF 65 POUNDS PER CUBIC FOOT SHALL BE USED. SEE GEOTECHNICAL REPORTS FOR GROUND WATER ELEVATIONS.

IN ALL AREAS, IT IS RECOMMENDED THE CONTRACTOR REVIEW THE GEOTECHNICAL REPORT AND STABILITY RESULTS IN THE REPORT THAT IS AVAILABLE FOR THE CONTRACTOR'S USE. GLOBAL STABILITY EVALUATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. GEOTECHNICAL TESTING WAS COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR GEOTECHNICAL INVESTIGATION OF BRIDGES AND RELATED STRUCTURES.

FOUNDATION MATERIAL FOR THE M.S.E. WALLS, WHETHER IN-SITU MATERIAL OR NEW EMBANKMENT MATERIAL, SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE STANDARD DENSITY.

WHERE NEW EMBANKMENT IS NECESSARY, IT SHALL BE PLACED AND COMPACTED IN 6" LIFTS OF LOOSE MATERIALS TO NOT LESS THAN 95% OF THE STANDARD PROCTOR DENSITY. ALL DENSITY TESTS SHALL BE TESTED IN ACCORDANCE TO SECTION 106.03 OF THE 2019 ODOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF THE M.S.E. WALLS FOR:

1. INTERNAL STABILITY INCLUDING: TENSILE STRESSES, PULLOUT, FACING CONNECTION, SLIDING ALONG REINFORCEMENT, AND COMPOUND SLOPE STABILITY.

2. LOCAL STABILITY INCLUDING: BULGING AND MAXIMUM UNREINFORCED HEIGHTS.

3. DESIGN THE M.S.E. WALLS TO ACCOUNT FOR DEAD AND LIVE LOADS, SEISMIC LOADS, HORIZONTAL LOADS FROM GUARDRAILS OR BARRIERS, HYDROSTATIC LOADS, AND OTHER LOADS AS APPROPRIATE.

4. DESIGN THE WALL SUCH THAT THE TOE IS AT A DEPTH THAT NO SCOURING OR UNDERMINING WILL OCCUR.

5. DESIGN THE M.S.E. WALL STRAPS OR TIE-BACKS SHALL BE LOCATED BELOW THE PROPOSED F-SHAPED PARAPET AND MOMENT SLABS TO PREVENT CONFLICT. SEE M.S.E. WALL TYPICAL SECTIONS AND DETAILS.

6. GLOBAL STABILITY EVALUATION.

FOR FURTHER DESIGN INFORMATION NOT PROVIDED IN THE PLANS OR GEOTECHNICAL REPORT, REFER TO THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

PAYMENT:

THE PAYMENT FOR M.S.E. RETAINING WALL SHALL BE BASED ON THE SURFACE AREA SHOWN ON THE PLAN AND PROFILE SHEETS FROM THE TOP OF THE RETAINING WALLS TO TOP OF LEVELING PAD NOT TO EXCEED 2 FEET BELOW FINISH GRADE AT FACE OF WALL. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR VARYING OF THE LEVELING PAD ELEVATION. THE ACTUAL TOPS OF LEVELING PADS SHALL BE DETERMINED BY THE CONTRACTOR TO PROVIDE SUPPORT FOR THE PROPOSED WALL SYSTEM AND SUBMITTED TO THE ENGINEER FOR APPROVAL.

ALL COST INCURRED DURING CONSTRUCTION OF THE M.S.E. RETAINING WALLS SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE YARD OF "M.S.E. RETAINING WALL". THE COST SHALL INCLUDE BUT NOT LIMITED TO: EXCAVATION, BACKFILL, BACKFILL MATERIAL, DRAINAGE SYSTEMS, GEOCOMPOSITES, FILTER FABRICS, PERFORATED AND NON-PERFORATED PIPE, CONCRETE, REINFORCING STEEL, SHEETING AND SHORING, DRIVING SHOES, COPING, EARTH REINFORCEMENT, CONCRETE PANELS, CONCRETE SURFACE FORM LINERS, FINISH, LEVELING PADS, CONCRETE MOW STRIPS, AND ENGINEERING AND ASSOCIATED COSTS.

Preliminary Plans

PHASE 2 OKLAHOMA COUNTY

DESIGN		
DRAWN		
CHECKED		
APPROVED		
SQUAD	POE	

M.S.E. RETAINING WALL NOTES
RETAINING WALL 'B', 'C1', 'C2'

STATE JOB NO. 09032(06) SHEET NO. R088

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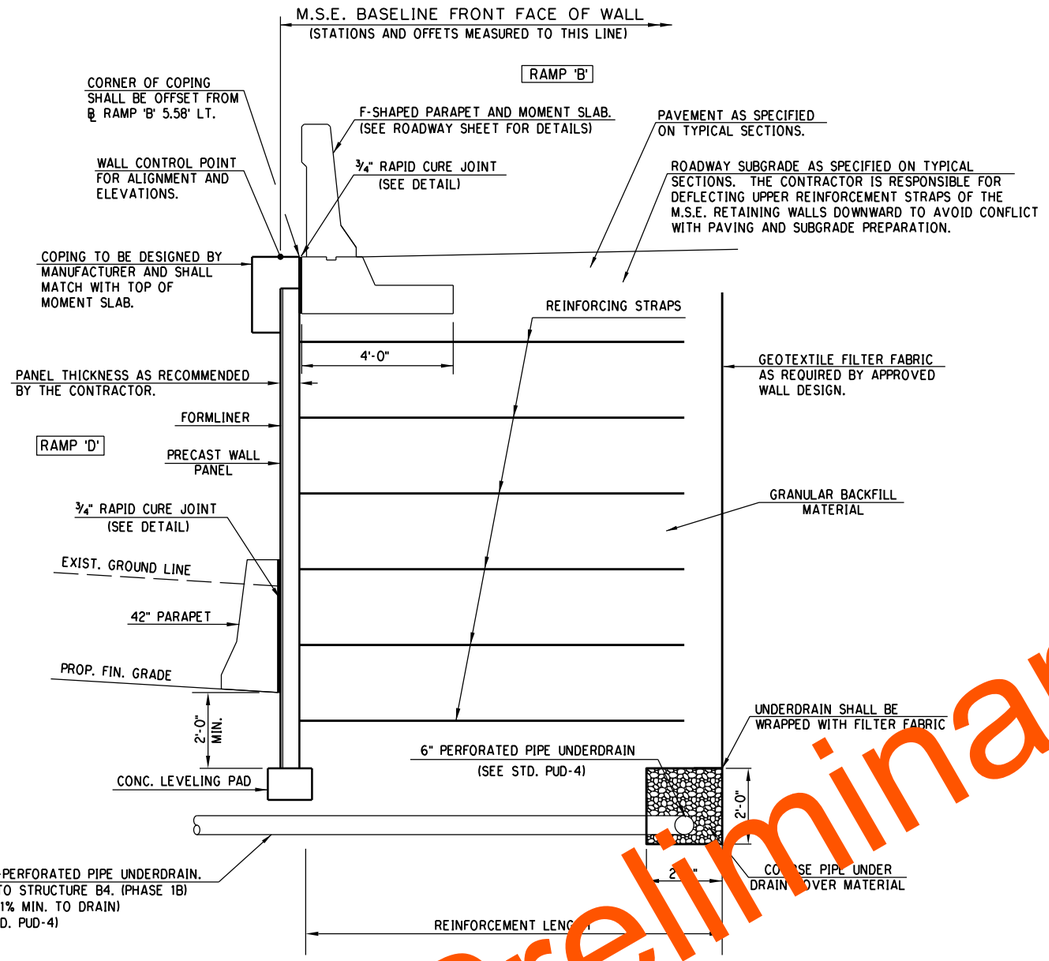
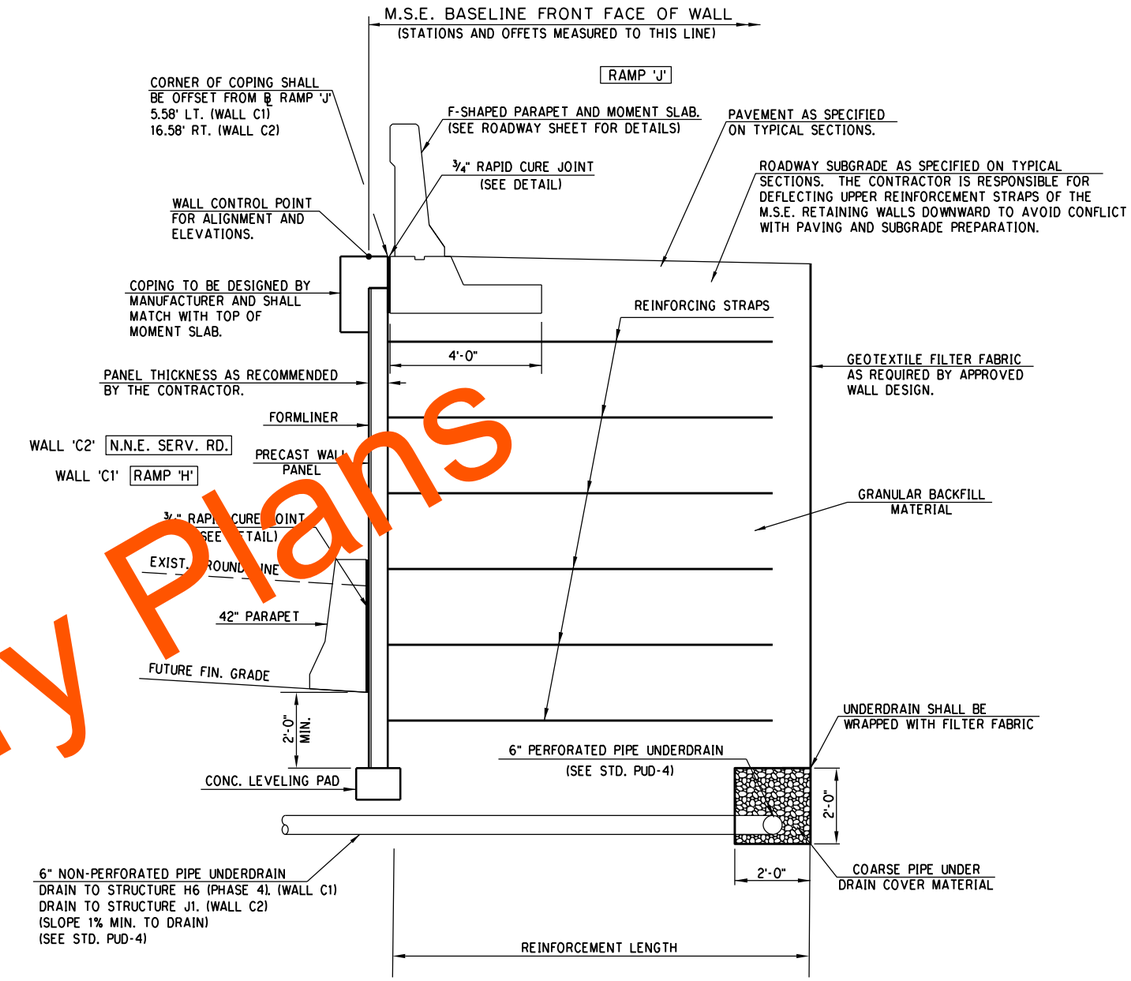
DESCRIPTION	REVISIONS	DATE



M.S.E. WALL 'B' SECTION



M.S.E. WALL 'C1' SECTION
(WALL 'C1' SHOWN
WALL 'C2' MIRRORED & FACES RESIDENTIAL)

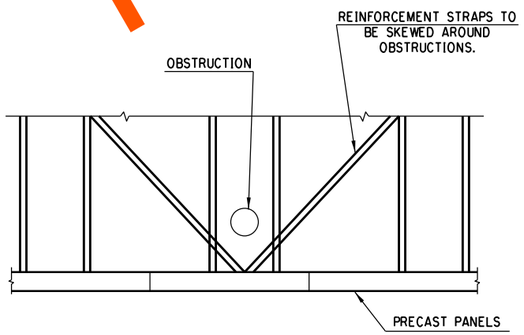
Preliminary Plans

NOTE:
THE M.S.E. WALL PANELS SHALL BE STACKED AND MAY BE ERECTED IN A STAGGERED HORIZONTAL JOINT PATTERN.

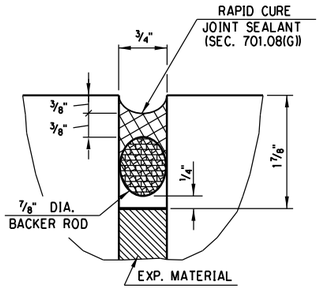
ALL COST FOR WALL DRAINAGE SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE YARD FOR "MSE RETAINING WALL".

NOTE:

IF BARMAT OR WIRE MESH SOIL REINFORCEMENT IS USED, THEN A STRUCTURAL YOKE SYSTEM MUST BE ATTACHED TO THE OBSTRUCTED PANEL(S) AND THE OBSTRUCTED SECTIONS OF SOIL REINFORCEMENTS MUST BE ATTACHED TO THE YOKE ON THE BACKSIDE OF THE OBSTRUCTION.



STRAP SKEWING PLAN DETAIL
AT OBSTRUCTIONS



DETAIL OF RAPID
CURE JOINT

PHASE 2 OKLAHOMA COUNTY

DESIGN		
DRAWN		
CHECKED		
APPROVED		
SQUAD	POE	

M.S.E. RETAINING WALL DETAILS
RETAINING WALL 'B', 'C1' & 'C2'

STATE JOB NO. 09032(06) SHEET NO. R089

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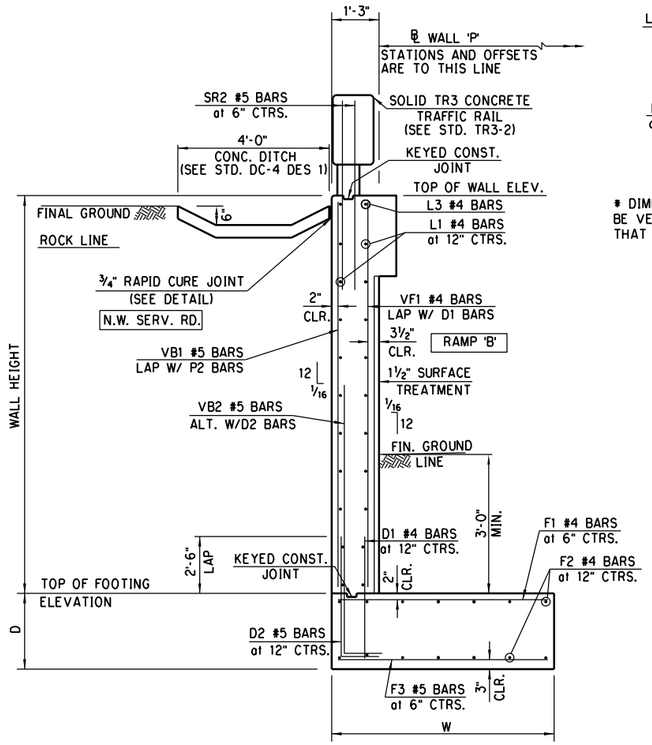
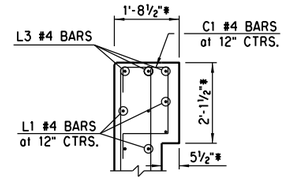
DESCRIPTION	REVISIONS	DATE

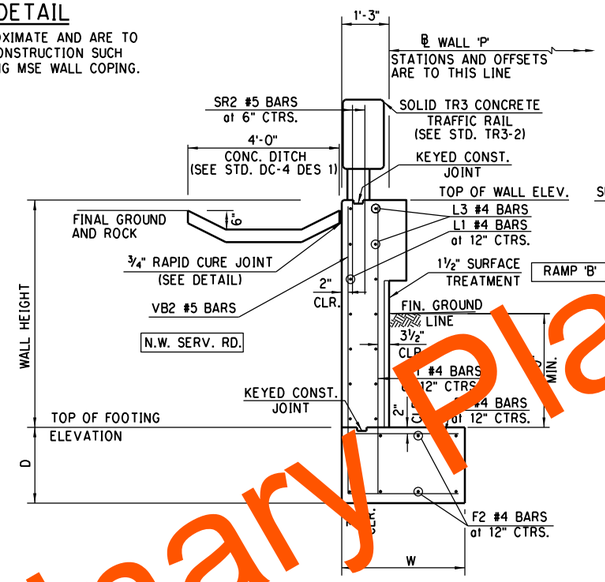


C.I.P. WALL 'P' SECTION
TYPE 'A'



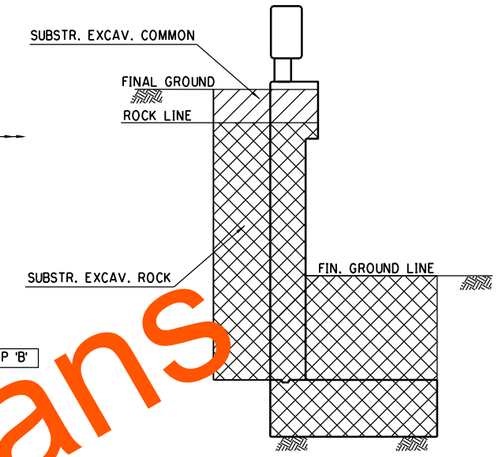
COPING DETAIL

* DIMENSIONS ARE APPROXIMATE AND ARE TO BE VERIFIED PRIOR TO CONSTRUCTION SUCH THAT THEY MEET EXISTING MSE WALL COPING.

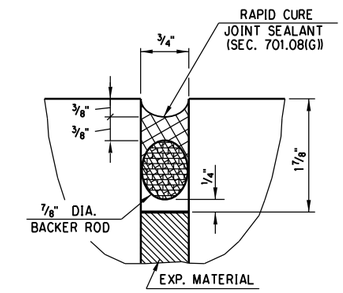


C.I.P. WALL 'P' SECTION
TYPE 'B'

NOTE: THE CONCRETE DITCH WILL DRAIN TO DRAINAGE STRUCTURE B26. SEE ROADWAY SHEETS FOR STRUCTURE INFORMATION.



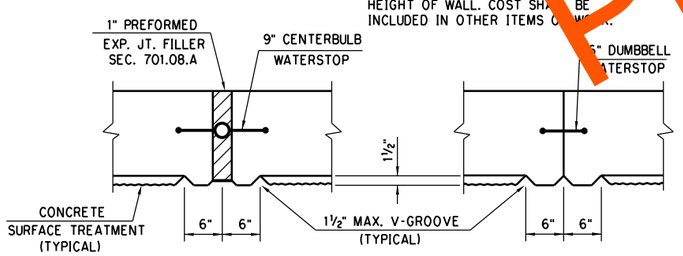
EXCAVATION DIAGRAM



DETAIL OF RAPID CURE JOINT

NOTE: FOR DETAILS OF SURFACE TREATMENT, SEE BRIDGE-AESTHETIC SHEETS.

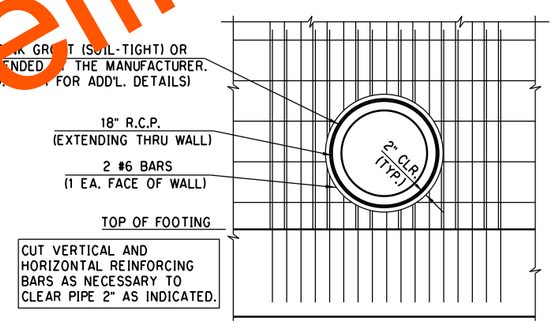
NOTE: WATERSTOP SHALL BE PLACED THE FULL HEIGHT OF WALL. COST SHALL BE INCLUDED IN OTHER ITEMS OF WORK.



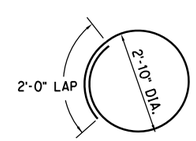
EXPANSION JOINT

CONSTRUCTION JOINT

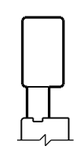
JOINT DETAILS



TYPICAL DETAIL OF ADD'L. REINFORCING AT PIPE EXTENDING THRU WALL

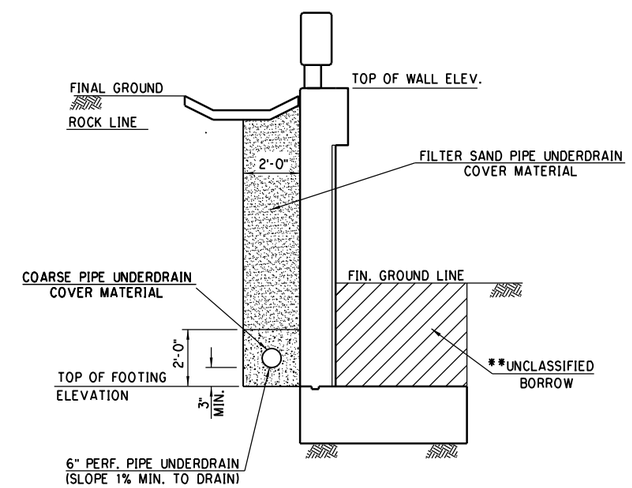


#6 x 11'-1"



WATER REPELLENT SURFACE TREATMENT

SURFACES INDICATED WITH HEAVY LINES SHALL BE TREATED WITH A PENETRATING WATER REPELLENT SURFACE TREATMENT.



UNDERDRAIN INSTALLATION TYPICAL

**NOTE: QUANTITIES OF UNCLASSIFIED BORROW NEEDED FOR FILL AS SHOWN MAY BE OBTAINED FROM EXCAVATED MATERIAL.

PHASE 2 OKLAHOMA COUNTY

DESIGN		
DRAWN		
CHECKED		
APPROVED		
SQUAD	POE	

C.I.P. RETAINING WALL 'P' DETAILS
(SHEET 1 OF 2)

STATE JOB NO. 09032(06) SHEET NO. R090

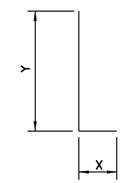
Preliminary Plans

6/1/2022 11:29:51 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Bridge\Drawings\Ph2 Walls\0903206 P2 Wall P Details.dgn

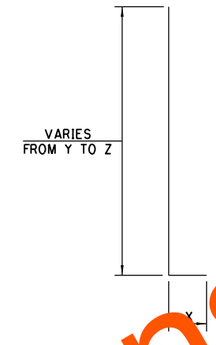
DESCRIPTION	REVISIONS	DATE

WALL 'P' SCHEDULE

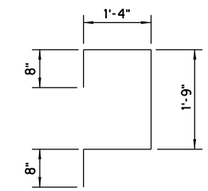
WALL	PANEL NO.	PANEL TYPE	PANEL LENGTH	DIMENSIONS: WALL HEIGHT MIN.	WALL HEIGHT MAX.	WALL HEIGHT AVG.	FOOTING W	FOOTING D
'P'	1	A	25.00'	13.07'	13.69'	13.38'	6'-0"	2'-0"
	2	A	25.00'	12.45'	13.07'	12.76'	6'-0"	2'-0"
	3	A	25.00'	8.19'	8.82'	8.51'	4'-6"	2'-0"
	4	A	25.00'	7.57'	8.19'	7.88'	4'-6"	2'-0"
	5	B	15.97'	5.81'	6.21'	6.01'	3'-3"	2'-0"
	6	B	15.97'	5.41'	5.81'	5.61'	3'-3"	2'-0"



D2 BARS



VB2 BA



C1 BARS

NOTE:
ALL BENT BAR DIMENSIONS ARE OUT TO OUT.

WALL 'P' BAR LIST

WALL	PANEL NO.	PANEL TYPE	PANEL LENGTH	L1 BARS #4 at 12" CTRS. NO.	L1 LENGTH	L3 BARS #4 NO.	L3 LENGTH	D1 BARS #4 at 12" CTRS. NO.	D1 LENGTH	D2 BARS #5 at 12" CTRS (BENT BAR) NO.	X	Y	LENGTH
'P'	1	A	25.00'	30	24-8"	3	24-8"	26	4'-3"	26	1'-0"	4'-3"	5'-3"
	2	A	25.00'	28	24-8"	3	24-8"	26	4'-3"	26	1'-0"	4'-3"	5'-3"
	3	A	25.00'	20	24-8"	3	24-8"	26	4'-3"	26	1'-0"	4'-3"	5'-3"
	4	A	25.00'	18	24-8"	3	24-8"	26	4'-3"	26	[illegible]	4'-3"	[illegible]
	5	B	15.97'	14	15'-8"	3	15'-8"	-	-	[illegible]	-	[illegible]	[illegible]
	6	B	15.97'	14	15'-8"	3	15'-8"	-	-	[illegible]	-	[illegible]	[illegible]

WALL	PANEL NO.	VF1 BARS #4 (LAP WITH D1 BARS IN TYPE 'A' WALL) NO.	LENGTH (AVG.)	LENGTH VAR.	VB1 BARS #5 (LAP WITH D2 BARS) NO.	LENGTH (AVG.)	LENGTH VAR.	VB2 BARS #5 at 12" CTRS. (BENT BAR) NO.	X	Y	Z	LENGTH (AVG.)	LENGTH VAR.
'P'	1	26	13'-2"	12'-10" to 13'-6"	26	13'-2"	12'-10" to 13'-6"	25	1'-0"	6'-0'	-	7'-0"	-
	2	26	12'-6"	12'-3" to 12'-9"	26	12'-6"	12'-3" to 12'-9"	25	1'-0"	6'-0"	-	7'-0"	-
	3	26	8'-0"	8'-0" to 8'-6"	26	8'-3"	8'-0" to 8'-6"	25	1'-0"	5'-6"	-	6'-6"	-
	4	26	7'-7"	7'-3" to 7'-11"	26	7'-7"	7'-3" to 7'-11"	25	1'-0"	5'-6"	-	6'-6"	-
	5	17	7'-1"	7'-3" to 7'-7"	-	-	-	17	2'-11"	7'-3"	7'-7"	10'-4"	10'-2" TO 10'-6"
	6	17	7'-1"	6'-11" to 7'-3"	-	-	-	17	2'-11"	6'-11"	7'-3"	10'-0"	9'-10" TO 10'-2"

WALL	PANEL NO.	F1 BARS #4 NO.	SPACING	LENGTH	F2 BARS #4 at 12" CTRS NO.	LENGTH	F3 BARS #5 at 6" CTRS NO.	LENGTH	C1 BARS #4 at 12" CTRS NO.	LENGTH	SR2 BARS #5 at 6" CTRS NO.	LENGTH
'P'	1	51	6"	5'-8"	14	24'-8"	51	5'-8"	26	5'-9"	102	5'-0"
	2	51	6"	5'-8"	14	24'-8"	51	5'-8"	26	5'-9"	102	5'-0"
	3	51	6"	4'-2"	12	24'-8"	51	4'-2"	26	5'-9"	102	5'-0"
	4	51	6"	4'-2"	12	24'-8"	51	4'-2"	26	5'-9"	102	5'-0"
	5	17	12"	2'-11"	8	15'-8"	-	-	17	5'-9"	66	5'-0"
	6	17	12"	2'-11"	8	15'-8"	-	-	17	5'-9"	66	5'-0"

Preliminary Plans

PHASE 2 OKLAHOMA COUNTY

DESIGN		
DRAWN		
CHECKED		
APPROVED		
SQUAD	POE	

C.I.P. RETAINING WALL 'P' DETAILS
(SHEET 2 OF 2)

STATE JOB NO. 09032(06) SHEET NO. R091

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POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				
DESCRIPTION	REVISIONS				DATE
					5/27/2022

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SURVEY OF

STATE HIGHWAY

SWO 2923(1)

STATE JOB NO. 09032(17)

OKLAHOMA COUNTY

I-35 & I-240 INTERCHANGE

SURVEY CONTROL DATA

1. HORIZONTAL CONTROL:

   A. HORIZONTAL CONTROL FOR THIS SURVEY IS IN OKLAHOMA DEPARTMENT OF TRANSPORTATION PLANE COORDINATE SYSTEM. LAMBERT PROJECTION (NORTH ZONE). ALL COORDINATES SHOWN ARE ON OKLAHOMA DEPARTMENT OF TRANSPORTATION PLANE COORDINATE SYSTEM WHICH WERE DERIVED BY MULTIPLYING THE USC&GS OKLAHOMA PLANE COORDINATES BY THE COMBINED ADJUSTMENT FACTOR OF 1.00010. THE OKLAHOMA DEPARTMENT OF TRANSPORTATION COORDINATE SYSTEM PLANE IS 2350 FEET ABOVE THE OKLAHOMA USC&GS PLANE.

   B. ACCURACY - 3RD ORDER OR BETTER

2. BEARINGS:

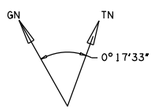
   THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE DEPARTMENT OF TRANSPORTATION PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL. THE ANGLE OF VARIANCE BETWEEN GRID NORTH (GN) AND THE ASTRONOMICAL TRUE NORTH (TN) IS DEPICTED DIAGRAMMATICALLY.

3. VERTICAL CONTROL:

   A. LEVEL DATUM IS MEAN SEA LEVEL (NGS), NGVD29.

   B. ACCURACY - 3RD ORDER OR BETTER

LOCATION MAP



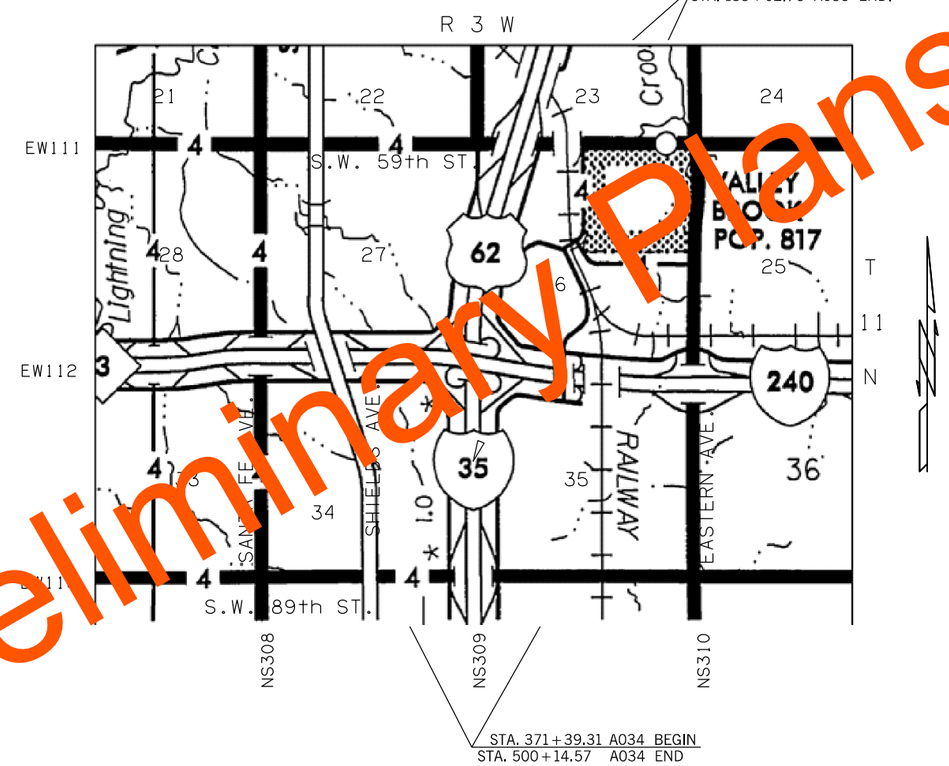
CONVENTIONAL SIGNS

- INTERSTATE HIGHWAY
- U.S. HIGHWAY
- STATE HIGHWAY
- PROPOSED ROAD
- RAILROADS
- RANGE & TOWNSHIP LINES
- SECTION LINES
- QUARTER SECTION LINES
- FENCES
- GROUND LINE
- EXISTING ROADS
- BASE LINE
- GRADE LINES
- TELEPHONE & TELEGRAPH
- POWER LINES
- OIL WELLS
- BUILDINGS
- DRAINAGE STRUCTURES-IN-PLACE
- DRAINAGE STRUCTURES-NEW
- RIGHT-OF-WAY LINES-EXISTING
- RIGHT-OF-WAY LINES-NEW
- RIGHT-OF-WAY MARKERS-IN PLACE
- RIGHT-OF-WAY MARKERS-REMOVE & RESET
- RIGHT-OF-WAY MARKERS-NEW
- CONTROLLED ACCESS
- SS — EXISTING SANITARY SEWERS
- G — EXISTING GAS LINES
- W — EXISTING WATER LINES
- TUG — EXISTING TELEPHONE CABLES UNDERGROUND

UTILITY CONTACT LIST

AT&T	(405)275-8805
COX COMMUNICATIONS	(405)600-6269
LEVEL 3 COMMUNICATIONS	(405)471-3647
OG&E	(800)272-9741
ONG	(800)664-5463
DCP MIDSTREAM LLC/EDMOND	(405)341-1266
MCLEOD USA	[illegible]-25[illegible]
QWEST COMMUNICATIONS	(800)8[illegible]7780
SOONER UTILITIES (WATE[illegible]	(4[illegible]21-4700
STEPHENS & JOHNSON OPERATING CO.:	[illegible]05)235-4146
TOWN OF VALLEY BROOK	([illegible])677-6948
WHITE OPERATING CO.	(405)239-6001
CITY OF OKLAHOMA CITY	(405)297-2278

STA. 53+29.93 A035 BEGIN
STA. 133+02.75 A035 END.



PROJECT LENGTH 10,590 Ft. 2.01 MI.

BEGINNING STATION : STA. 371+39.31 A034 BEGIN
ENDING STATION : STA. 500+14.57 A034 END

PROJECT LENGTH 7,973 Ft. 1.51 MI.

BEGINNING STATION : STA. 53+29.93 A035 BEGIN
ENDING STATION : STA. 133+02.75 A035 END

SURVEY SHEET INDEX

NO.	DESCRIPTION
01 OF 46	TITLE SHEET
02-05 OF 46	HISTORICAL LETTER
06-07 OF 46	BM & CHECKLEVELS LIST
08-11 OF 46	COORDINATE LIST
12-25 OF 46	ALIGNMENT REPORT
26-46 OF 46	SURVEY DATA SHEETS

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO 2923(1) Job/Piece 09032(17) Engr. Contract No. 1060

LAND SURVEYOR'S CERTIFICATION

I hereby certify that all land and property sub-division distances, angles, corners and monumentation made or used in conjunction with this survey and depicted or recorded herein or hereon were recovered, established, or re-established in substantial conformity with:

- Applicable Instructions contained in the U.S. Government Bureau of Land Management publication "Manual of Surveying Instructions";
- its supplement, "Restoration of Lost or Obliterated Corners and Subdivision of Sections";
- "Oklahoma Minimum Standards for the Practice of Land Surveying" as adopted by the State Board of Registration for Professional Engineers and Land Surveyors; and
- Sound land surveying practices;
  including a through search, study, analysis, and consideration of all existing records and field evidence.

I further certify that all survey monuments depicted exist and that all land survey work was done by me or under my direct supervision and that it is true, accurate, and correct to the best of my knowledge and belief.

Dated this 6th day of May, 2016.

POE & ASSOCIATES, INC.
OKLAHOMA CITY, OKLAHOMA

(SEAL)

Land Surveyor: Signature

JUSTIN LEE TALCOTT
Printed Name

Oklahoma Registered Land Surveyor No. 1646

Certificate of Authorization No. 541

LICENSED PROFESSIONAL LAND SURVEYOR
JUSTIN LEE TALCOTT
1646
OKLAHOMA

THIS SURVEY MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, JUNE 11, 2001.

SPECIFICATIONS FOR SURVEYS FOR PRIMARY AND SECONDARY HIGHWAYS DATED FEB 6, 2006 GOVERN.

SDS 01 OF 46

Electronic File Transfer Disclaimer:

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PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S001

OKLAHOMA COUNTY

Preliminary Plans

POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022

Oklahoma Department of Transportation

Survey Division (405)521-2621 Fax (405)522-0364

Date: September 1, 2015

To: Mr. William Leroy Tackett, Chief of Surveys

From: Justin Lee Talcott, Professional Land Surveyor

Subject: SWO 2923(1), J/P 09032(17) – Oklahoma County
I-35/I-240 Interchange

Historical Letter & Written Report

1. GENERAL:

Survey Began: November 21, 2006
Survey Completed: August 1, 2015

Personnel on this Survey:

Justin Lee Talcott	Professional Land Surveyor, OK #1646
Jack B. Weaver (Retired)	Professional Land Surveyor, OK #955
Robert M. Perez	Assistant Surveyor
Mickey Parsons	Assistant Surveyor
Andrew Moss	Assistant Surveyor
Chad Baker	Assistant Surveyor
Tremetria Williams	CAD Technician

2. PURPOSE:

The purpose of this survey was to furnish sufficient data to develop plans to reconstruct the I-35/I-240 Interchange in Oklahoma City, Oklahoma.

3. SURVEY LIMITS:

I-35: Along I-35 from S.E. 82nd Street, North to S.E. 59th Street (approximate centerline length = 1.50 miles).

I-240: Along I-240 from Santa Fe Avenue, East to Eastern Avenue (approximate centerline length = 2.00 miles).

1. ALIGNMENT:

I-35 MAINLINE (A035): The Centerline of Survey for this mainline is along and identical to the centerline of present I-35 as established and shown on FAP I-381(4) plans.

SE 82ND STREET CONNECTION (A012): The Centerline of Survey for this connection is along and identical to the centerline of present SE 82nd Street as established and shown on FAP IR-35-3(074)121 plans being 8.7 feet south of the quarter section line of Section 34, T11N-R3WIM.

SE 66TH STREET CONNECTION (A031): The Centerline of Survey for this connection is along the quarter section lines of Sections 35 & 26, T11N-R3WIM and identical to the centerline of present SE 66th Street as established and shown on FAP IR-35-3(074)121 plans.

SE 59TH STREET CONNECTION (A030): The Centerline of Survey for this connection is along the north line of Section 26, T11N-R3WIM and identical to the centerline of present SE 59th Street as established and shown on FAP IR-35-3(110)123 plans.

I-240 MAINLINE (A036): The Centerline of Survey for this mainline is along and identical to the centerline of present I-240 as established and shown on FAP IR-240-1(323) west of the interchange and FAP IR-240-4(86)157 east of the interchange. Utilizing FAP F-369(094) for the Shields Blvd. crossing and FAP I-381(4) for the Crossroads interchange. The north I-240 service road alignments at approximately station 438+00.00 do not graphically match, but are calculated from the same I-240 centerline with different offsets from different reference plans. The service road going west from this point using reference plan FAP I-381(4) matches the existing back of curb and the service road going east from this point using reference plan FAP I-240(86)157 and matches the existing centerline.

SANTA FE AVENUE CONNECTION (A011): The Centerline of Survey for this connection is along the west line of Sections 27 & 34, T11N-R3WIM and identical to the centerline of present Santa Fe Avenue as established and shown on FAP IR-240-1(323) plans.

SHIELDS BOULEVARD CONNECTION (A012): The Centerline of Survey for this connection is along and identical to the centerline of present Shields Boulevard as established and shown on FAP IR-240-1(323) and FAP F-369(094) plans.

BNSF RAILROAD MAINLINE (A015): The Centerline of Survey for this mainline is along and identical to the centerline of present BNSF Railroad as established and shown on FAP I-240-4(86)157 plans.

EASTERN AVENUE CONNECTION (A014): The Centerline of Survey for this connection is along the east line of Sections 26 & 35, T11N-R3WIM and identical to the centerline of present Eastern Avenue as established and shown on FAP I-240-4(86)157 and SWO 5030(01) plans.

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S002

OKLAHOMA COUNTY

8-87

POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	

1. STATIONING:

I-35 MAINLINE: Stationing for this survey is identical to present I-35 and taken from FAP I-381(4) plans. Beginning at SE 82nd Street, the present station 53+29.93 is equal to FAP I-381(4) station 53+36.10, present station 79+77.15 is equal to FAP I-381(4) station 79+75.83 at the centerline of crossroads interchange and present PT station 130+74.84 is equal to FAP I-381(4) station 130+70.85 and ending with present station 133+02.75 being equal to FAP I-IR-33-3(110)123 station 133+02.69.

SE 82ND STREET CONNECTION: Stationing for this survey is identical to present SE 82nd Street taken from FAP I-IR-35-3(074)121 plans with a centerline of I-35 station of 99+02.99 and extending west 500' to station 94+02.99 and east 500' to station 104+02.99.

SE 66TH STREET CONNECTION: Stationing for this survey is identical to present SE 66th Street taken from FAP I-IR-35-3(074)121 plans with a centerline of I-35 station of 209+02.99 and extending west 500' along the section line to station 204+02.99 and east 500' (passing the NW corner of Section 26 at 97.02' for a station of 210+00.01) along the section line to station 214+02.99.

SE 59TH STREET CONNECTION: Stationing for this survey is identical to present SE 59th Street taken from FAP IR-35-3(110)123 plans with a centerline of I-35 station of 100+00.00 and extending west along the section line 500' to station 95+00.00 passing the Northwest corner of Section 26 present station 97+60.928 equal to said plans 97+60.88 and east from the centerline along the section line for 500' to station 105+00.00.

I-240 MAINLINE: Stationing for this survey is identical to present I-240 as established and shown on FAP IR-240-1(323), FAP I-381(4) and FAP I-240-4(86)157plans. Beginning at the centerline of I-240 and Santa Fe with a station of 376+33.43 being equal to station 376+33.72 FAP IR-240-1(323), running through the station at the centerline of Shields Blvd 393+43.79 being equal to same station 393+43.79 FAP IR-240-1(323), through the station equation at 415+08.92 Back/415+00.00 Ahead equal to same equation from FAP IR-240-1(323), through the centerline of I-35 station 428+14.28 being equal to station 428+14.27 FAP I-381(4) and ending at the centerline of Eastern Avenue station 482+14.5[illegible] being equal to 482+01.92 FAP I-240-4(86)157 plans.

SANTA FE CONNECTION: Stationing for this survey is identical to present Santa Fe as established and shown on FAP IR-240-1(323) plans with a centerline of I-35 present station of 100+96.72 being equal to station 100+97.00 on same plans and extending north 500' along the section line to station 105+96.72 and south along the section line (through the NW corner of Section 34 at station 100+00.00) for 500' to station 95+96.72.

SHIELDS BOULEVARD CONNECTION: Stationing for this survey is identical to present Shields Boulevard as established and shown on FAP IR-240-1(323) and FAP F-369(094) plans with a centerline of I-240 present station of 147+61.38 being equal to same station 147+61.38 on same plans and extending northwest 500' to station 152+61.38 and southeast for 500' to station 142+61.38.

BNSF RAILROAD MAINLINE: Stationing for this survey is identical to the present BNSF railroad as shown on FAP I-240-4(86)157 plans. Present main line station with centerline of I-240 is 20564+76.90 which began at the PC station 20566+70.42 south of I-240 and extended north through the existing curve to the Plaza Mayor Boulevard crossing.

EASTERN AVENUE CONNECTION: Stationing for this survey is identical to present Eastern Avenue as established and shown on FAP I-240-4(86)157 plans with a centerline of I-240 station of 25+10.87 and extended north along the section line (through the SE corner of Section 26 at station 26+34.64) for 500' to station 30+10.87 and extended south along the section line for 500' to station 20+10.87.

1. HORIZONTAL CONTROL:

Horizontal Control for this survey is the Oklahoma Department of Transportation Plane Coordinate System, Lambert Projection (North zone). All coordinates shown are Oklahoma Department of Transportation Plane coordinates which were derived by multiplying the USC&GS Oklahoma Plane coordinates by the combined adjustment factor of 1.00010. The Oklahoma Department of Transportation Coordinate System Plane is 2350 feet above the Oklahoma USC&GS Plane. We established 5 control points (O-55-1837, O-55-1838, O-55-1839, O-55-1840, O-55-1841) within the survey limits.

2. VERTICAL CONTROL:

Vertical Control for this survey is NGVD29 datum matching the Oklahoma Department of Transportation Plane Coordinate System establishing 49 benchmarks along our project.

3. MEASURMENT UNITS:

The distances, coordinates, and elevations shown on this survey are in US Survey Feet. All angles and grid bearings shown are in degrees, minutes, and seconds derived from the Oklahoma Department of Transportation Plane Coordinate System and are not astronomical.

4. TOPOGRAPHY/DIGITAL TERRAIN MODEL:

Topography and surface features were collected by aerial photogrammetry, performed and processed by ADS, our sub-consultant for this project. Traditional survey methods (RTK and Total Station) were used alongside the aerial photogrammetry to supplement areas needed.

5. LAND TIES:

All land corners that were required on this survey have been researched and verified in the field as existing, set this survey, or calculated. All corners were easily accessible and found within road right of way, a request for certified corners revealed at least one (1) existing monument at every corner.

Preliminary Plans

PLS			POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
DRAWN			SURVEY DATA SHEET
CHECKED			
APPROVED			
CREW	POE		SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S003

OKLAHOMA COUNTY

POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	

Southwest Corner Section 27, T11N-R3WIM
I found this corner in place, being a ½" iron pin, ODOT monument number O-55-1367 and is in agreement with previous certified corner records. This monument is located just north of the intersection of South Santa Fe and the south service road of Interstate 240.

West Quarter Corner of Section 27, T11N-R3WIM
I found this corner in place, being a P.K. nail, ODOT monument number O-55-1368, and is in agreement with previous certified corner records. This monument is located at the intersection of South Santa Fe and SE 66th Street.

Northwest Corner Section 27, T11N-R3WIM
I found this corner in place, being a 3/8" iron pin with a new ODOT monument number O-55-1850 and is in agreement with previous certified corner records. This monument is located in the intersection of South Santa Fe and SE 59th Street.

North Quarter Corner Section 27, T11N-R3WIM
I found this corner in place, being a ½" iron pin with a new ODOT monument number O-55-1851 and is in agreement with previous certified corner records. This monument is located in the intersection of South Byers Avenue and SE 59th Street.

Northeast Corner Section 27, T11N-R3WIM
I found this corner in place, being a chiseled "X" in the concrete intersection of the I-35 Service Road and SE 59th Street. This monument has an ODOT monument number of O-55-97 and is in agreement with previous certified corner records.

East Quarter Corner Section 27, T11N-R3WIM
I found this corner in place, being a chiseled "X" in concrete west of the intersection of I-35 Service Road and SE 66th Street. This monument has an ODOT monument number of O-55-[illegible] and is in agreement with previous certified corner records.

Southeast Corner Section 27, T11N-R3WIM
I found this corner in place, being a ½" iron pin, ODOT monument number O-55-634 and is in agreement with previous certified corner records. We found this monument located on the east edge of the northbound I-35 driving lane approximately a foot west of the bridge support wall.

South Quarter Corner Section 27, T11N-R3WIM
I found this corner in place, being a P.K. nail, ODOT monument number O-55-1313 and is in agreement with previous certified corner records. This monument is located on the north edge of the I-240 Service Road and just west of the east bound I-240 on ramp.

Center Corner Section 27, T11N-R3WIM
I found this corner in place, being a P.K. nail, ODOT monument number O-55-1314 and is in agreement with previous certified corner records. I also found a P.K. nail N 85°12'30"E a distance of 0.66', this P.K. nail was not accepted. Monument is located in the intersection of South Byers Avenue and SE 66th Street.

North Quarter Corner Section 26, T11N-R3WIM
I found this corner in place, being a P.K. nail, ODOT monument number O-55-98 and is in agreement with previous certified corner records. This monument is located NE of the intersection of SE 59th Street and Crossroads Blvd.

Northeast Corner Section 26, T11N-R3WIM
I found this corner in place, being a P.K. nail, ODOT monument number O-55-1766 and is in agreement with previous certified corner records. This monument is located approximately 50 feet west of the intersection of SE 59th Street and South Eastern Avenue.

East Quarter Corner Section 26, T11N-R3WIM
I found this corner in place, being a chiseled "X" in concrete in the approximate centerline of South Eastern Avenue and agrees with previous certified corner records. This monument has as ODOT number of O-55-1767.

Southeast Corner Section 26, T11N-R3WIM
I found this corner in place, being a ½" iron pin, ODOT monument number O-55-628 and is in agreement with previous certified corner records. I also found a 3/8" iron pin approximately 2' south that doesn't match references or certified corner records. This monument is located in the median of South Eastern Avenue and approximately 73' north of the north pier under I-240.

South Quarter Corner Section 26, T11N-R3WIM
I found this corner in place, being an ODOT brass monument with a number of O-55-627 and is in agreement with previous certified corner records. This monument is located south of the I-240 Service Road and east of the west bound I-240 on ramp.

Center Corner Section 26, T11N-R3WIM
I found this corner in place, being a ½" iron pin, ODOT monument number O-55-1315 and is in agreement with previous certified corner records. Monument is located under a chain link fence, northeast of SE 66th Street and northwest of a driveway.

East Quarter Corner Section 35, T11N-R3WIM
I found this corner in place, being a P.K. nail, ODOT monument number O-55-629 and is in agreement with previous certified corner records. This monument is located in the approximate centerline of South Eastern Avenue.

Southeast Corner Section 35, T11N-R3WIM
I found this corner in place, being a mag nail with the head broke off, ODOT monument number O-55-630 and is in agreement with previous certified corner records. This monument is in the approximate center of the concrete intersection of South Eastern Avenue and SE 89th Street.

South Quarter Corner Section 35, T11N-R3WIM
I found this corner in place, being an ODOT brass cap with a monument number of O-55-631 and is in agreement with previous certified corner records. This monument is east of the centerline of the intersection of SE 89th Street and Pole Road.

Preliminary Plans

PLS		POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
DRAWN		SURVEY DATA SHEET
CHECKED		
APPROVED		
CREW	POE	SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S004

OKLAHOMA COUNTY

SDS 04 OF 46

POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	

Southwest Corner Section 35, T11N-R3WIM
I found this corner in place, being a chiseled "X" west of the concrete intersection of SE 89th Street and the I-35 Service Road. This monument has an ODOT number of O-55-632 and is in agreement with previous certified corner records.

West Quarter Corner Section 35, T11N-R3WIM
I found this corner in place, being a chiseled "X" west of the concrete intersection of SE 82nd Street and the I-35 Service Road, north of the centerline of SE 82nd Street. This monument has an ODOT number of O-55-633 and is in agreement with previous certified corner records.

Center Corner Section 35, T11N-R3WIM
I found this corner in place, being a 3/8" iron pin, ODOT monument number O-55-635 and is in agreement with previous certified corner records. This monument is located approximately 40' east of Pole Road and is in the bottom of a drainage channel with a t-post set nearby.

South Quarter Corner Section 34, T11N-R3WIM
I found this corner in place, being a mag nail with a Durham washer, ODOT monument number O-55-1306 and is in agreement with previous certified corner records. This monument is in the approximate center of the intersection of SE 89th Street and South Shields Blvd.

Southwest Corner Section 34, T11N-R3WIM
I found this corner in place, being a mag nail with a Hale & Buckley washer, ODOT monument number O-55-1849 and is in agreement with previous certified corner records. This monument is in the approximate center of the intersection of SE 89th Street and South Santa Fe Avenue.

West Quarter Corner Section 34, T11N-R3WIM
I found this corner in place, being a 3/8" iron pin, ODOT monument number O-55-1308 and is in agreement with previous certified corner records. This monument is in the approximate centerline of South Santa Fe Avenue.

Center Corner Section 34, T11N-R3WIM
I found this corner in place, being a 3/8" iron pin, ODOT monument number O-55-1312 and is in agreement with previous certified corner records. This monument is approximately 6' east of the curb of the northbound Shields Blvd and approximately 50' north of the centerline of a driveway.

1. ENVIRONMENTAL CONCERNS:

There are 2 environmental concerns documented and recorded within this survey. At the southwest corner of I-240 and Shields Blvd, approximately Sta. 390+83.00 to 393+94.00 145' Rt. to 397' Rt., Mosley's Texaco (which is now Discount Tire), 7501 S. Shields Blvd, OCC FAC #5508224 Case #064-1702, and at the southeast corner of I-240 and Shields Blvd, approximately Sta. 394+86.00 to 396+25.00 154' Rt. to 335' Rt., Shields Conoco (which is now Enterprise Rent a Car), 7500 S. Shields Blvd, OCC FAC #5508554 Case #064-0831.

1. RIGHT OF WAY:

Right of way within the survey was taken from deeds and plats acquired from the Oklahoma County courthouse, right of way division at Oklahoma Department of Transportation and supplemented with the following plans, F-369(094), FAP I-240-4(86)157, FAP I-IMY-35-(221)(247)120, FAP I-IR-35-3(074)121, FAP I-IR-35-3(108)119, FAP I-IR-35-3(110)23, FAP U-386(1), IR-240-1(323)000, IR-240-1(324)000, IR-240-1(325)000. The railroad right of way along the north and east of the current BNSF Railway was taken from the Crossroads Industrial Park subdivision plat. The south and east side of said railway was taken from a description of an unplatted portion at the County Assessor's office and confirmed with a Quit Claim deed filed in book 13041, page 1571 and matches the physical evidence of the existing rails. The portion of the right-of-way between these north and south descriptions and the "triangle" portion are described at the Oklahoma County courthouse in book 4505, page 1908.

2. UTILITIES:

All utility companies servicing the project extents were contacted, after first contacting OKIE during the course of this survey. Survey crew personnel met with a locator and/or discussed per phone conversation the location of existing utilities during this survey. Utilities shown were collected and/or verified from field data, atlas maps and existing plans. Obvious gaps or omitted areas were either not located by participating utility companies or could not be verified in the field. There are 2 ODOT fiber lines of unknown pair size that cross I-35 at approximate stations 78+39.00 and 84+34.00. There is also a Century Link (formerly Qwest) fiber line of unknown pairs crossing I-240 at approximately station 458+99.00 and a Level 3 Communications Tug line of unknown pairs crossing I-240 at approximately station 460+99.31, several attempts were made to contact these 2 companies with no results.

3. EQUIPMENT USED:

Topcon HIPER V GPS receivers, Topcon GR3 GPS receivers, Topcon PS-103 Robotic Total Station Sokkia SET 330R Total Station and Sokkia B20 automatic level.

4. DATA SUBMITTED:
   1. SWO2923_1_V1.dgn
   2. SWO2923_1_V1_TOPO.dgn
   3. SWO2923_1_V1_TRI.dgn
   4. SWO2923_1_V1_SFF.dgn
   5. SWO2923_1_V1_DRA.dgn
   6. ODOT form SD-1, Transmittal Letter.
   7. ODOT form SD-41, Surveyor's Certification.
   8. ODOT form SD-11 for 5 monuments
   9. ODOT form SD-7 Utility form
   10. PDF certified corner records.
   11. Cogo Data (Coordinate List with Alignments)
   12. Historical Letter.
   13. BM's and Check Levels

Justin Lee Talcott
Professional Land Surveyor

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S005

OKLAHOMA COUNTY

SDS 05 OF 46

8-87

BENCHMARKS AND CHECKLEVELS

SWO 2923(1)

I-35 / I-240 INTERCHANGE OKLAHOMA COUNTY

NOTE: LEVEL DATUM FOR THIS SURVEY IS MEAN SEA LEVEL- (NGS), NGVD29-3RD ORDER OR BETTER.

STATION	ELEVATION RUN1	ELEVATION RUN2	ELEVATION RUN3	DIFF	RUN1	RUN2	RUN3	MEAN	UNADJUSTED ELEVATION	ADJUSTED ELEVATION	ELEVATION	DESCRIPTION
B.M. 59											1285.59	Chiseled square on concrete headwall approximately 600' S. of Ramada Inn along frontage road, taken from existing plans CL I-35 STA. 94+25.50 131.47' RT.
FIRESTONE	1300.29	1300.27		-0.02	14.7	14.68		14.69		1300.28	1300.28	Square on sidewalk at Firestone CL I-35 STA. 107+92.56 204.35' RT.
B.M. 1	1290.09	1290.08		-0.01	-10.19	-10.2		-10.195	1290.085	1290.09		X on curb NE of Arby's CL I-35 STA. 105+35.58 155.87' LT.
B.M.2	1284.54	1284.54		0	-5.545	-5.545		-5.545	1284.54	1284.54		#5 rebar at church CL I-35 STA. 101+11.28 295.24' LT.
CHURCH												
O-55-1837												
B.M.3	1279.75	1278.88		-0.87	-4.79	-5.66		-5.225	1279.315	1279.32		X on curb at 71st St. CL I-35 STA. 92+35.03 326.63' LT.
B.M.4	1282.01	1282.01		0	2.695	2.695		2.695	1282.01	1282.01		X on curb at 73rd St. CL I-35 STA.89+03.86 520.15' LT.
B.M.5	1282.4	1282.41		0.01	0.39	0.4		0.395	1282.405	1282.41		X on curb at center of inlet CL I-35 STA. 85+81.41 258.21' LT.
B.M.6	1265.29	1265.3		0.01	-17.115	-17.105		-17.11	1265.295	1265.3		Chiseled square top of east side of drainage canal CL I-240 STA. 418+91.16 406.13' LT.
B.M.7	1274.87	1274.87		0	9.575	9.575		9.575	1274.87	1274.88		X on curb at 73rd street CL I-240 412+45.47 323.22' LT.
B.M.8	1267.14	1267.14		0	-7.73	-7.73		-7.73	1267.14	1267.15		X on curb at 72nd street CL I-240 STA. 406+48.06 317.43' LT.
B.M.9	1270.89	1270.9		0.01	3.75	3.76		3.755	1270.895	1270.91		X on curb at inlet, SE [illegible] Home Depo[illegible] CL I-240 [illegible] 399+94[illegible] 175.60' L[illegible]
B.M.10	1275.41	1275.43		0.02	4.515	4.535		4.525	1275.42	1275.43		X on [illegible]rb at [illegible]E & NW, [illegible]. of W[illegible]ro ga[illegible]ation [illegible] I-240 [illegible]A. 394+01.73 176.68' LT.
B.M.11	1265.35	1265.36		0.01	-10.07	-10.06		-10.06[illegible]	1265.35[illegible]	126[illegible]		X on curb CL I-240 STA. 391+00.77 453.49' LT.
CIRCUIT CITY												
O-55-1838												
B.M.12	1263.85	1263.86		0.01	-1.505	-1.495		[illegible]	1263.855	[illegible]63.87		Square on curb at Pl N & E SE of Payless Shoes CL I-240 STA. 385+73.15 152.24' LT.
B.M.13	1261.56	1261.57		0.01	-2.295	-2.285		-2.29	1261.565	1261.58		Square on traffic box east of Santa Fe CL I-240 STA. 379+06.84 136.04' LT.
B.M.14	1258.45	1258.45		0	-3.115	-3.115		-3.115	1258.45	1258.47		Square at NW corner of water vault, east of Santa Fa CL I-240 STA. 377+02.13 152.94' LT.
B.M.15	1257.84	1257.84		0	-0.61	-0.61		-0.61	1257.84	1257.86		X on curb at Pl E & SW, NW of Batteries Plus CL I-240 STA. 377+33.76 157.07' RT.
B.M.16	1265.47	1265.47		0	7.63	763		7.63	1265.47	1265.49		X on curb at North end of Walmart parking lot CL I-240 STA. 383+25.73 148.89' RT.
B.M.17	1269.52											X on lightpole base 4th pole from west, north of Nissan dealership

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BM AND CHECKLEVELS

B.M.18	1270.28	1270.3		0.02	4.81	4.83		4.82	1270.29	1270.31		X on east curb of 3[illegible] entrance from we[illegible] of Nissan dealership CL I-240 STA. 389+27.33 133.51' RT.
B.M.19	1278.59											X on curb at Pl E & S at north end of Discount Tire parking lot
B.M.20	1280.87	1280.88		0.01	10.58	10.59		10.585	1280.875	1280.9		X on light pole base NNW of Enterprise CL I-240 STA. 395+58.73 155.12' RT.
B.M.21	1276.76	1276.78		0.02	-4.115	-4.095		-4.105	1276.77	1276.79		X on curb at Pl N & W, west curb at west entrance to Saturn CL I-240 STA. 402+17.71 157.12' RT.
B.M.22	1275.43	1275.43		0	-1.34	-1.34		-1.34	1275.43	1275.45		X on headwall west side of Ford dealership CL I-240 STA. 408+36.59 271.68' RT.
B.M.23	1281.815	1281.81		-0.005	6.385	6.38		6.3852	1281.8125	1281.84		X on curb Pl N & E at NW corner of Ford dealership building CL I-240 STA. 413+98.14 319.36' RT.
B.M.24	1282.385	1282.37		-0.015	0.5725	0.55[illegible]		0.565	1282.3775	1282.4		X on lightpole base on east side of Ford dealership building CL I-240 STA. 417+08.18 439.75' RT.
B.M.25	1278.[illegible]	1278.21		0.005	-4.1625	-4.1675		-4.165	1278.2125	1278.24		#6 rebar east of creek bend CL I-240 STA. 421+35.01 620.62' RT.
B.M.26	1283.51	[illegible]83.52		0.01	5.2975	5.3075		5.3025	1283.515	1283.54		#6 rebar CL I-35 STA. 72+81.56 526.25' LT.
B.M.27	1289.24	1289.24		0	5.725	5.725		5.725	1289.24	1289.27		X on driveway, east of front door of Bodyworks, Inc. CL I-35 STA. 68+21.51 177.72' LT.
B.M.28	1290.73	1290.73		0	1.49	1.49		1.49	1290.73	1290.76		X on cub, east of Dept. of Corrections office CL I-35 STA. 65+16.94 136.00' LT.
B.M.29	1294.33											X on south curb, NE of Five Star Rig & Supply
B.M.30	1298.27	1298.25		-0.02	7.54	7.52		7.53	1298.26	1298.29		X on curb, east of Marshall Park parking lot CL I-35 STA. 59+00.05 154.01' LT.
B.M.31	1303.53											X on curb, east parking lot of Days Inn
B.M.32	1309.11	1309.1		-0.01	10.85	10.84		10.845	1309.105	1309.14		X on curb Pl W & N, SSE of Days Inn CL I-35 STA. 53+66.62 230.16' LT.
B.M.33	1307.67	1307.65		-0.02	-1.435	-1.455		-1.445	1307.66	1307.69		#5 rebar CL I-35 STA. 53+30.60 629.22' LT.
HOSPICE												
O-55-1840												
B.M.34	1308.43	1308.46		0.03	0.77	0.8		0.785	1308.445	1308.48		X on curb, N of SE 82nd St. CL I-35 STA. 53+58.07 148.34' RT.
B.M.35	1297.2	1297.18		-0.02	-11.245	-11.265		-11.255	1297.19	1297.23		X on curb, east side of median on 80th St. Ice Rink CL I-35 STA. 59+58.93 348.75' RT.

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S006

OKLAHOMA COUNTY

BM AND CHECKLEVELS CONTINUED

B.M. 36	1290.6	1290.59		-0.01	-6.59	-6.6		-6.595	1290.595	**1290.63**		Square on south curb
												return at SE 79th, NW of Ice Rink
												CL I-35 STA. 65+79.07 234.04' RT.
B.M.37	1292.93	1292.92		-0.01	2.335	2.325		2.33	1292.925	**1292.96**		X on north headwall at
												SW corner of OG&E yard
												CL I-35 STA . 67+15.69 865.26' RT.
B.M.38	1296.01	1296		-0.01	3.085	3.075		3.08	1296.005	**1296.05**		#6 rebar, 6' west of OG&E
												fence, 3rd light pole from north
												CL I-240 STA. 437+85.95 693.64' RT.
B.M.39	1300.34	1300.33		-0.01	4.335	4.325		4.33	1300.335	**1300.38**		X on west curb, east of
												lightpole at OG&E main parking lot
												CL I-240 STA. 446+25.79 262.04' RT.
B.M.40	1295.87	1295.85		-0.02	-4.465	-4.485		-4.475	1295.86	**1295.9**		Square on concrete
												footing at NNE fence
												corner of OG&E yard
												CL I-240 STA. 450+98.17 326.25' RT.
B.M.41	1280.47	1280.45		-0.02	-15.39	-15.41		-15.4	1280.46	**1280.5**		Square on concrete
												footing at NE fence
												corner of OG&E yard
												CL I-240 STA. 455+77.93 606.19' RT.
B.M.42	1270.94	1270.94		0	-9.52	-9.52		-9.52	1270.94	**1270.98**		#6 rebar at NW corner of
												fence and Budweiser property
												CL I-240 STA. 461+03.91 196.39' RT.
B.M.43	1259.74	1259.73		-0.01	-11.2	-11.21		-11.205	1259.735	**1259.78**		#6 rebar
												CL I-240 STA. 472+71.40 197.10' RT.
B.M.44	1278.31	1278.29		-0.02	18.575	18.555		18.565	1278.3	**1278.35**		#6 rebar
												CL I-240 STA. 478+53.14 372.48' RT.
B.M.45	1286.2	1286.18		-0.02	7.9	7.88		7.89	1286.19	**1286.24**		X on headwall, west of Eastern
												CL I-240 STA. 481+88.67 511.12 RT.

B.M.46	1297.7	1297.7		0	11.51	11.51		11.51	1297.7	**1297.75**		#5 rebar at Diamond Ballroom
DIAMOND												CL I-240 STA. 480+17.65 1980.08' R
O-55-1839												
B.M.45	1286.19	1286.2		0.01	-11.51	-11.5		-11.505	1286.195	**1286.25**		on headw[illegible] we[illegible] f Eastern
												CL I-240 S[illegible] 481+88.[illegible] 511.12 R[illegible]
B.M.48	1268.63	1268.62		-0.01	-17.565	-17.575		-17.57	1268.625	**1268.6[illegible]**		X on s[illegible] base, [illegible]st of Eastern
												[illegible]-240 [illegible] 479+00.40 312.21' LT.
B.M.49	1259.74	1259.73		-0.01	-8.885	-8.895		[illegible]8.89	[illegible]9.73[illegible]	**1259.[illegible]**		Square on top curb, SE
												parking lot of "Heartwood"
												CL I-240 STA. 470+91.46 178.33' LT.
B.M.50	1269.68	1269.67		-0.01	9.945	9.935		[illegible]	1269.675	**1269.73**		Square on manhole
												CL I-240 STA. 464+22.30 147.47 LT.
B.M.51	1290	1290.01		0.01	20.325	20.335		20.33	1290.005	**1290.06**		X on curb PI E & N
												CL I-240 STA. 453+21.36 317.36' LT.
B.M.52	1308.74	1308.77		0.03	18.735	18.765		18.75	1308.755	**1308.81**		X on curb, S. of lightpole
												E. of "MALL"
												CL I-240 STA. 445+65.52 308.74' LT.
B.M.53	1308.4	1308.42		0.02	-0.355	-0.335		-0.345	1308.41	**1308.47**		#5 rebar with cap
MALL												CL I-240 STA. 444+54.12 286.71' LT.
O-55-1841												
B.M.54	1300	1300.02		0.02	-8.41	-8.39		-8.4	1300.01	**1300.07**		X on curb at east parking
												lot of Texas Roadhouse
												CL I-240 STA. 439+31.47 209.30' LT.

B.M.56	1288.8	1288.82		0.02	-11.21	-11.19		-11.2	1288.81	**1288.87**		X on curb, south of
												Hibdon Tires Plus
												CL I-240 STA.433+68.62 541.94' LT.
B.M.57	1286.03	1286.03		0	-2.78	-2.78		-2.78	1286.03	**1286.09**		Square on top of headwall
												CL I-35 STA. 84+07.16 388.69' RT.
B.M.58	1289.4	1289.39		-0.01	3.37	3.36		3.365	1289.395	**1289.46**		X on curb of NW parking
												lot at Best Buy
												CL I-35 STA. 88+25.03 171.55' RT.
B.M.59	1285.56	1285.56		0	-3.835	-3.835		-3.835	1285.56	**1285.62**		Square on top of headwall
												CL I-35 STA. 94+25.50 13147' RT.
B.M.60	1295.68	1295.69		0.01	10.12	10.13		10.125	1295.685	**1295.75**		X on curb of west parking
												lot at Ramada Inn
												CL I-35 STA. 101+09.27 176.35' RT.
FIRESTONE	1300.22	1300.22		0	4.535	4.535		4.535	1300.22	**1300.28**	**1300.28**	Square on sidewalk at Firestone
												CL I-35 STA. 107+92.56 204.35' RT.

Preliminary Plans

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

SDS 07 OF 46

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(I) PROJECT NO. 0903Z(06) SHEET NO. S007

OKLAHOMA COUNTY

POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO. 6	STATE OKLA.	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

POINT NAME	COORDINATES NORTHING	COORDINATES EASTING	DESCRIPTION
504	145611.9996790	2148266.4140730	COGO
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1047	142176.1100374	2153718.0902272	COGO
1060	146336.8429785	2150804.6076882	COGO
1063	146371.2686553	2156534.0822654	COGO
1075	148068.1468087	2151061.5445917	COGO
1076	148285.8404	2151129.0452	COGO
1077	147212.3639	2150866.5764	COGO
1084	142998.6493000	2150824.6653000	COGO
1103	142996.3594000	2150824.6854000	COGO
1106	142997.2789000	2150921.6810000	COGO
1108	143080.9645000	2149516.7800000	COGO
1110	137720.1211000	2150967.8715000	COGO
1113	142908.7329000	2152103.9174000	COGO
1114	137741.7255788	2153604.2529799	COGO
1115	137730.9610749	2152290.6670853	COGO
1157	145654.2614000	2153554.6702000	COGO
1158	140333.2689000	2148302.8137000	COGO
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5222	144422.5356101	2150956.1121593	COGO
5223	139722.4848176	2150993.3467132	COGO
5224	140247.6965094	2151034.1018439	COGO
5225	143165.7353009	2155580.5097183	COGO
5226	143057.7117510	2154767.4846624	COGO
5227	143052.8786576	2154086.3461485	COGO
5228	140329.8333791	2151056.3010338	COGO
5229	143845.0725645	2150982.7312754	COGO
5230	143764.2480731	2150988.6723848	COGO
5231	143667.3180307	2151024.9549020	COGO
5232	143876.4486940	2151044.0261426	COGO
5233	142155.4535039	2153490.5778940	COGO
5234	145724.2997557	2150658.2852292	COGO
5235	145714.3476126	2150974.4124357	COGO
5236	144969.2943649	2150962.6651895	COGO
5238	145641.0645490	2151271.5941165	COGO
5239	145704.2611724	2150975.0029544	COGO
5240	145640.8750059	2151238.8028561	COGO
5241	145650.8750690	2151238.7427505	COGO
5242	142156.0842328	2153575.5755539	COGO
5243	142904.7458555	2149934.1661172	COGO
5244	142905.8654051	2149922.4494834	COGO
5245	142634.0688271	2150324.8652622	COGO
5246	142174.8441901	2150668.0938746	COGO
5247	142905.6354699	2147276.5718298	COGO
5248	142895.8657950	2149922.5377908	COGO
5249	142894.7462454	2149934.2544247	COGO
5250	145674.1609169	2150643.5962590	COGO
5251	145661.5789597	2150365.6755357	COGO
5252	145671.5782387	2150365.6154547	COGO
5253	145679.2004848	2150648.5560292	COGO
5254	146269.6134660	2150977.0151749	COGO
5255	146309.6127440	2150976.7748445	COGO
5256	146927.1454571	2150987.2885471	COGO
5257	146929.6383669	2150962.4131496	COGO
5258	146986.0497322	2150993.5079175	COGO
5259	142953.8400002	2149818.0217805	COGO
5260	146943.4114240	2150988.9427243	COGO
5261	146963.4114600	2150991.0427764	COGO
5262	146914.9926572	2150699.7855171	COGO
5264	142923.8411700	2149818.2867029	COGO
5265	146992.3903405	2150678.7925025	COGO
5266	148209.3180116	2150857.3636665	COGO
5267	148234.0243649	2150832.2151752	COGO
5268	148236.7298925	2151337.8561292	COGO
5269	148156.7307107	2151338.2179386	COGO
5270	148159.1041458	2151863.0049411	COGO
5271	148388.5907009	2151748.9577395	COGO
5272	148386.8078804	2151354.7607387	COGO
5273	142924.8246658	2149922.2820524	COGO
5274	147850.6264440	2151823.0362075	COGO
5275	142877.9350822	2149722.6883673	COGO
5276	142878.1242160	2149742.6874730	COGO
5277	147851.7842673	2152015.7327213	COGO
5278	148634.3109753	2150854.7166337	COGO
5279	148317.3173169	2150856.7059827	COGO
5280	142953.1212916	2149742.0251671	COGO
5281	142571.5005869	2150385.6671916	COGO
5282	142538.1585716	2150452.9915988	COGO
5283	142468.1323612	2150529.1374251	COGO
5284	142920.8501628	2146317.5099141	COGO
5285	143352.8750226	2154084.8693206	COGO
5286	142700.1145914	2148049.1937343	COGO
5287	140393.5790442	2150394.6531678	COGO
5288	153639.4262333	2153486.2481954	COGO
5289	142800.9302778	2150151.7801845	COGO
5290	141335.1496742	2150704.3504109	COGO
5291	141631.0905130	2150273.7203256	COGO
5292	141233.8636237	2150705.2448771	COGO
5293	140394.2612927	2150465.9899055	COGO
5294	140680.2153683	2150673.3927638	COGO
5295	141233.7747538	2150695.1219327	COGO
5296	141335.0551073	2150694.3508581	COGO
5297	142917.9884857	2147822.2609349	COGO
5298	142889.9734847	2145742.7466717	COGO
5299	142898.1110913	2145892.7360829	COGO
5300	141035.0346520	2150693.6002337	COGO
5301	142619.4528365	2150324.9943373	COGO
5302	140277.8841816	2151047.0058490	COGO
5303	139606.5423492	2150994.9113802	COGO
5305	141616.2748500	2145860.4074819	COGO
5306	141638.0210248	2145703.2210063	COGO
5307	142126.0314287	2150656.0330675	COGO
5308	141673.2728755	2145859.9330493	COGO
5309	141673.3894028	2145873.9325643	COGO
5310	142166.3723253	2145869.8291384	COGO
5311	142564.3723579	2147438.7516661	COGO
5312	141645.0697105	2146453.1878829	COGO
5313	142912.0843762	2147677.3415860	COGO
5314	142908.3872446	2147587.6677675	COGO
5315	142912.2648860	2147092.6623043	COGO
5316	142727.2211872	2147539.0001347	COGO
5317	142906.0037790	2147529.8568802	COGO
5318	142856.1063857	2147496.0170481	COGO
5319	142919.4549223	2146892.5956441	COGO
5320	142924.5315929	2146709.2071424	COGO
5321	143763.3314694	2147807.7205430	COGO
5322	143763.5396688	2147830.2195797	COGO
5323	143748.5403110	2147830.3583793	COGO
5324	143748.4709112	2147822.8587003	COGO
5325	143483.4822566	2147825.3108261	COGO
5326	143483.5516564	2147832.8105050	COGO
5327	143468.5522986	2147832.9493046	COGO
5328	143468.4828988	2147825.4496257	COGO
5329	143748.4709112	2147822.8587003	COGO
5330	143525.9243113	2148279.5842175	COGO

SDS 08 OF 46

PLS		POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
DRAWN		SURVEY DATA SHEET
CHECKED		
APPROVED		
CREW	POE	SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S008

OKLAHOMA COUNTY

Preliminary Plans

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

POE & ASSOCIATES, OKLAHOMA CITY, OK.

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
5331	145195.9421199	2153557.8049075	COGO
5332	143525.3691130	2148219.5867863	COGO
5333	143638.9220594	2148278.8708221	COGO
5334	144748.3220126	2153781.3588275	COGO
5335	143638.3668611	2148218.8733908	COGO
5336	143452.4357759	2148280.0481771	COGO
5337	143451.8592266	2148219.0709027	COGO
5338	143793.0339764	2148215.8450441	COGO
5339	143808.5055843	2148200.0780707	COGO
5340	143806.7848238	2148018.0862056	COGO
5341	143791.0178505	2148002.6145977	COGO
5342	143789.3277231	2147823.8625653	COGO
5343	143723.2241854	2147515.4675552	COGO
5344	143394.2258402	2147516.5110372	COGO
5345	143182.8040791	2146250.4746093	COGO
5346	144052.3410568	2146242.7792785	COGO
5347	144058.5659490	2146946.1634531	COGO
5348	141190.3998443	2151123.3147864	COGO
5349	141205.4039688	2151124.4889874	COGO
5350	141206.7818375	2151440.6759852	COGO
5351	141597.5781269	2151438.9729867	COGO
5352	141597.6434928	2151453.9728443	COGO
5353	141256.8467286	2151455.4579566	COGO
5354	141257.1408750	2151522.9573157	COGO
5355	141242.1410174	2151523.0226815	COGO
5356	141241.8468710	2151455.5233224	COGO
5357	141191.8473458	2151455.7412086	COGO
5358	141024.6865171	2151110.3463015	COGO
5359	140363.9695484	2151629.6820089	COGO
5360	141025.8114311	2151626.4040733	COGO
5361	141025.8857214	2151641.4038893	COGO
5362	140364.0838382	2151644.6816268	COGO
5363	141026.2921436	2151356.9710749	COGO
5364	141011.2922861	2151357.0364408	COGO
5365	141012.3689536	2151522.4129361	COGO
5367	141662.6750085	2152256.3259967	COGO
5368	141657.4290973	2151524.7648052	COGO
5369	141025.0970591	2151527.9379678	COGO
5370	141025.0280412	2151512.9381266	COGO
5371	141682.3260706	2151511.3286399	COGO
5372	140390.8699269	2151211.8749272	COGO
5373	140532.8681854	2151211.1716457	COGO
5374	140533.0507999	2151235.7809682	COGO
5375	140523.0509226	2151235.8304951	COGO
5376	140522.9425114	2151221.2208973	COGO
5377	140390.9441304	2151221.8746519	COGO
5378	140389.7478984	2151060.6569253	COGO
5379	140361.7854455	2151335.3501124	COGO
5380	140442.0444611	2151334.9526098	COGO
5381	140441.9701708	2151319.9527938	COGO
5382	140361.7411548	2151320.3501478	COGO
5387	142278.6861239	2153574.7776946	COGO
5388	142301.7711468	2153574.6272940	COGO
5389	142478.6526130	2153263.1351576	COGO
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5392	141191.8995994	2151467.7415211	COGO
5393	141192.0341911	2151498.6512281	COGO
5394	141288.9529282	2151527.3200842	COGO
5395	141012.4355496	2151528.5241380	COGO
5396	141011.8835734	2151443.6959339	COGO
5397	141036.8179595	2151468.4141152	COGO
5398	140380.2500496	2153865.6401539	COGO
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5400	142658.3034318	2153856.9388417	COGO
5401	142659.4268293	2153891.9408185	COGO
5402	142639.4269752	2153892.0172104	COGO
5403	142638.9454733	2153877.0149354	COGO
5404	141700.0123226	2153880.6013090	COGO
5405	141349.8829764	2153861.9365187	COGO
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5407	140380.3760859	2153885.6397568	COGO
5408	142214.7745409	2153687.3273923	COGO
5409	142236.2843651	2153689.9509508	COGO
5410	142282.1029280	2153853.1822925	COGO
5411	142261.3630793	2153853.2615110	COGO
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5413	145389.3122762	2150964.5643721	COGO
5414	144422.4742876	2150960.6323398	COGO
5415	144222.4791375	2150947.3139918	COGO
5416	145570.0514836	2150649.2117103	COGO
5417	143960.3344786	2151207.5771314	COGO
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5420	144969.3596805	2150973.9850011	COGO
5421	145549.3587185	2150994.4569076	COGO
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5423	143317.6347944	2151316.3029691	COGO
5424	143873.9972732	2151007.7915054	COGO
5425	143346.1736170	2151344.3303564	COGO
5426	139721.0233103	2150713.5764256	COGO
5427	144969.2758917	2150982.6943856	COGO
5428	140279.5054111	2150660.2256794	COGO
5429	140295.9625759	2150643.7681562	COGO
5430	143085.4465000	2152001.2923000	COGO
5431	143062.1751000	2152036.7663000	COGO
5432	143125.4360000	2152341.7138000	COGO

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
5433	143125.6911000	2152377.3929000	COGO
5434	143203.9219445	2152694.4589476	COGO
5435	143241.9989458	2152960.1664506	COGO
5436	143252.1153640	2153129.0641894	COGO
5437	143194.7025299	2153459.4122732	COGO
5438	143162.6445660	2153569.1274229	COGO
5439	143135.0557123	2153663.5412995	COGO
5440	143136.5811990	2153876.8758454	COGO
5441	142942.7443351	2148650.3113661	COGO
5442	142927.7450091	2148650.4535631	COGO
5443	142928.5033935	2148730.4499684	COGO
5444	142943.5027195	2148730.3077713	COGO
5445	142919.6434066	2147997.2531097	COGO
5446	142920.1162411	2148047.2508739	COGO
5447	142920.8254929	2148122.2475203	COGO
5448	142937.8247327	2148122.0867565	COGO
5449	145653.0123846	2153338.2038034	COGO
5450	142127.9074839	2150672.6776738	COGO
5451	140395.8743314	2150632.3420852	COGO
5452	139329.6324393	2150517.0252625	COGO
5453	144085.3846317	2154018.9631818	COGO
5454	143667.2971195	2155650.4067345	COGO
5455	143702.2968292	2155650.2641929	COGO
5456	143699.7176397	2155016.9694449	COGO
5457	143792.8307094	2154393.2312156	COGO
5458	143991.9497703	2154082.1033131	COGO
5459	140289.9351225	2150649.7957408	COGO
5460	139330.8332164	2150702.0213655	COGO
5461	139345.9248702	2150716.8480233	COGO
5462	144422.3386500	2150970.6315000	COGO
5463	139941.4456915	2150682.5242110	COGO
5464	139335.8353271	2150706.9356436	COGO
5465	138811.5203036	2150699.9957734	COGO
5466	139269.6544271	2150517.6389448	COGO
5467	139270.8545551	2150702.5350499	COGO
5468	139250.9828635	2150722.6858028	COGO
5469	139040.9939407	2150724.5078246	COGO
5470	139040.9614872	2150719.5079299	COGO
5471	138811.5874818	2150706.4754252	COGO
5472	138821.1365559	2150716.1703994	COGO
5473	138898.3193674	2150725.7522280	COGO
5474	138878.2876746	2150720.9267661	COGO
5475	138826.5194976	2150699.8402685	COGO
5476	138857.2357665	2150715.8555431	COGO
5477	138826.7424916	2150721.3491126	COGO
5478	138748.6676784	2150521.2813862	COGO
5479	144594.9535100	2150972.1375700	COGO
5480	137767.8099526	2150625.2457579	COGO
5481	138740.7605118	2150716.9947642	COGO
5482	144819.8906300	2150977.0158900	COGO
5483	137768.3854709	2150680.0397355	COGO
5484	137790.5399785	2150694.7885987	COGO
5485	138418.5436530	2150699.5313714	COGO
5486	138091.0814080	2150697.0583307	COGO
5487	138718.7079535	2150[illegible].96242	COGO
5488	144732.9782500	2150973.341[illegible]	COGO
5489	144847.5644400	2[illegible]977.061[illegible]	COGO
6000	142911.2208020	2150[illegible]8.[illegible]731[illegible]	COGO
6001	143060.4394888	2147[illegible]1.7[illegible]288	COGO
6002	143044.2256030	2145[illegible].46[illegible]161	COGO
6003	142963.8700[illegible]5	2[illegible]738.453[illegible]945	COGO
6004	143069.[illegible]62[illegible]98	2[illegible]8282.1672851	COGO
6005	142[illegible]	2153[illegible]70.0083609	COGO
[illegible]	130[illegible]	2629[illegible]8	214[illegible]82.4672851	COGO
6007	563[illegible]	98588[illegible]	[illegible]808.8067868	COGO
6008	0357[illegible]461760	2150847.7791607	COGO
6009	139019.[illegible]34951	2150859.4956665	COGO
[illegible]	139619.3[illegible]05124	2150854.2441163	COGO
6[illegible]	143053.3885	2146607.9927	COGO
6[illegible]	143078.0171	2149205.8767	COGO
6[illegible]	142912.3093	2152603.9033	COGO
6014	142925.7294	2154895.1791	COGO
6015	142899.5246	2157103.6932	COGO
6016	142319.2379	2150830.6122	COGO
6017	141319.2750	2150839.3647	COGO
6019	138444.3850	2150864.5284	COGO
6020	143874.1949	2150819.4046	COGO
6021	144869.1766	2150813.4262	COGO
6022	145719.1629	2150808.3191	COGO
6051	142911.1942648	2156220.2961829	COGO
6052	142887.4440979	2158018.1858307	COGO
6105	142924.5263286	2154311.8497422	COGO
6106	85630.2125697	2154721.6782651	COGO
6107	142920.9935309	2155478.4909044	COGO
6236	142918.7468999	2153503.8815852	COGO
6240	143061.9203292	2147507.9502696	COGO
6241	143066.6602320	2148007.9278024	COGO
6244	143080.8799401	2149507.8604008	COGO
6247	142911.6985623	2152518.5190582	COGO
6248	142915.5281143	2153053.8930971	COGO
6249	142916.6010428	2153203.8892598	COGO
6329	142922.3233285	2154003.8687942	COGO
6330	144705.3631	2147894.3847	COGO
6331	145333.9250	2150686.2378	COGO
6332	145879.4980	2150682.7797	COGO
6333	146350.9383	2152647.9948	COGO
6334	146730.2164	2152778.6543	COGO

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
6335	148013.5352	2149617.4112	COGO
6336	141635.9753	2152550.5827	COGO
6337	141758.6676	2153035.4672	COGO
6338	142636.2127	2153220.4953	COGO
6339	143969.1590	2152010.9390	COGO
6340	143825.3560	2153985.6026	COGO
6341	142160.7894	2151448.3809	COGO
6342	142086.8279	2151762.2348	COGO
6343	142316.8366	2151613.0514	COGO
6344	141777.3488	2151757.3359	COGO
6345	141276.8667	2150313.7137	COGO
6346	142152.6115	2151467.6655	COGO
6347	143048.5302	2153403.2231	COGO
6348	143996.5493	2155268.9482	COGO
6349	142356.8091	2156248.1404	COGO
6350	142356.3688	2156204.0793	COGO
6351	144024.0236	2157134.8758	COGO
6352	141575.0705	2155118.8580	COGO
6353	143111.2203	2156217.7372	COGO
6354	143111.2203	2156217.7369	COGO
6355	142116.0911	2157104.4352	COGO
6356	139971.4863	2157235.2368	COGO
6357	143162.9737	2155832.6137	COGO
6358	143685.2239	2155512.6455	COGO
6359	145828.5173	2155361.8719	COGO
6360	154407.8474	2154340.0543	COGO
6361	143178.2003	2156598.5347	COGO
6362	141323.4077	2151161.3296	COGO
6363	141530.1914	2148081.6214	COGO
6364	143557.1717	2150021.8780	COGO
6365	143831.6717	2150294.2506	COGO
6366	144280.8280	2147813.3011	COGO
6367	144457.3315	2148774.4629	COGO
6368	144754.1149	2152861.1195	COGO
6369	144463.4872	2152847.1203	COGO
6370	144228.5790	2153800.5872	COGO
6371	143781.6644	2151319.[illegible]	COGO
6372	143386.1797	2151[illegible]2842	COGO
6373	143149.0025	215[illegible]58.6356	COGO
6374	143254.8219	2150[illegible]2.2986	COGO
6375	143853.0170	2150[illegible].45[illegible]	COGO
6376	143086.1216	2150[illegible]61	COGO
6377	143174.8210	2150912.527	COGO
6379	143000.1760	2151061.[illegible]83	COGO
6380	142993.4835	2150587.[illegible]19	COGO
6382	142818.[illegible]217	2150736.7[illegible]1	COGO
6383	142[illegible]73	2151113.6508	COGO
6385	[illegible]36.71	2150916.7058	COGO
6386	14[illegible]73.809[illegible]	2148885.4535	COGO
6[illegible]	141[illegible]9.5534	2152690.2911	COGO
[illegible]88	141[illegible]6.2404	2148870.5520	COGO
[illegible]389	4214.9451	2152023.8957	COGO
639[illegible]	222[illegible]4172	2150389.1222	COGO
6[illegible]	668.8542	2149965.2011	COGO
6[illegible]2	43029.9289	2149986.5130	COGO
6[illegible]	142935.9859	2150209.0654	COGO
6394	142456.5707	2150667.2820	COGO
6395	142253.5445	2150749.6963	COGO
6396	143502.3189	2150054.8726	COGO
6397	144568.1126	2148510.0755	COGO
6398	143997.7548	2152360.4853	COGO
6399	143863.7661	2150378.9305	COGO
6400	143186.1800	2145640.2073	COGO
6401	142892.2896	2145642.7792	COGO
6402	143544.2060	2145637.0388	COGO
6403	143226.0743	2150585.9477	COGO
6404	142899.5886	2150825.5324	COGO
6405	142912.6797	2147400.2609	COGO
6406	145028.9717	2148594.8264	COGO
6407	141108.2377	2148751.6362	COGO
6408	142773.4435	2148446.5523	COGO
6409	146714.9196	2153796.2929	COGO
6410	147475.6452	2152504.9640	COGO
6411	146327.8591	2156409.6023	COGO
6412	147889.7540	2150303.2960	COGO
6413	145064.6501	2152580.1324	COGO
6414	146261.2704	2152572.9425	COGO
6415	145267.2329	2152862.9281	COGO
6416	143044.2284	2145641.7541	COGO
6417	143039.5414	2145147.3663	COGO
6418	143535.4895	2147195.7747	COGO
6419	142585.3894	2147507.7199	COGO
6420	146085.8607	2152857.9894	COGO
6421	145637.1605	2149823.2400	COGO
6422	142911.6986	2152518.5215	COGO
6423	142411.2265	2156220.6737	COGO
6424	143411.2163	2156216.1644	COGO
6425	142922.1862	2153984.6953	COGO
6426	142728.6774	2153986.9254	COGO
6427	143006.8555	2153981.6622	COGO
6428	145315.0154	2153385.4855	COGO
6429	145652.3227	2153218.6758	COGO
6430	142754.6198	2148259.8208	COGO
6431	145641.3027	2151308.7961	COGO
6432	148281.8565	2150629.0492	COGO
6433	148288.1146	2151629.0400	COGO
6434	145632.8756	2150308.8319	COGO
6435	140344.3985	2150347.8788	COGO
6436	140349.2465	2150847.8553	COGO
6437	140350.1890	2150945.0567	COGO
6438	140353.1779	2151347.8356	COGO
6439	143196.6485	2147307.0260	COGO
6440	142919.8975	2146017.2679	COGO
6441	146035.8817	2146140.7062	COGO
6442	142927.5220	2146200.7356	COGO
6443	142932.4847	2146724.2120	COGO
6444	143003.5201	2145936.2304	COGO

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
6445	142930.3397	2146893.4365	COGO
6446	148896.1183	2146580.1776	COGO
6447	148910.2031	2148050.6230	COGO
6448	139112.9373	2146760.4221	COGO
6449	140062.8618	2146227.8930	COGO
6450	141093.7469	2145954.3356	COGO
6451	142990.4184	2146178.3862	COGO
6452	142969.9626	2146351.5522	COGO
6453	142758.4442	2146326.5660	COGO
6454	142959.2697	2146397.5127	COGO
6455	142955.4924	2146408.2051	COGO
6456	145014.8410	2146186.8730	COGO
6457	143318.5936	2146531.7898	COGO
6458	143171.2215	2146167.8638	COGO
6459	143166.7977	2146634.4928	COGO
6460	143172.6818	2146045.3005	COGO
6461	143174.3079	2146878.4222	COGO
6462	140081.9633	2148245.2132	COGO
6463	143105.0679	2146204.9783	COGO
6464	143118.0314	2146409.7514	COGO
6465	143134.9073	2146553.3733	COGO
6466	143145.4053	2146596.6924	COGO
6467	143149.3848	2146607.3112	COGO
6468	143182.2355	2147914.7851	COGO
6469	143180.8825	2148104.9383	COGO
6470	143199.0877	2150025.2720	COGO
647[illegible]	142944.0411	2148120.6085	COGO
64[illegible]	142946.6236	2148218.0553	COGO
64[illegible]3	142962.8080	2149925.2286	COGO
64[illegible]	[illegible]53.3134	2151822.6457	COGO
6475	142[illegible]73.9626	2148359.2990	COGO
476	14[illegible]77.9419	2148369.9178	COGO
477	2989.6984	2148416.1175	COGO
6[illegible]8	142999.4593	2148485.4740	COGO
6[illegible]9	143018.0109	2148733.5312	COGO
6480	140921.9258	2148810.9059	COGO
6481	143155.8771	2148209.8436	COGO
6482	143152.0997	2148220.5360	COGO
6483	143142.4251	2148264.0464	COGO
6484	143128.2763	2148407.9626	COGO
6485	143119.1986	2148612.9316	COGO
6486	140944.7777	2149336.5777	COGO
6487	140938.6419	2150720.6918	COGO
6488	140713.7420	2150709.3845	COGO
6489	140478.2238	2150683.5580	COGO
6490	140244.5917	2150681.8990	COGO
6491	140621.3541	2150716.9423	COGO
6492	140940.9273	2150964.6807	COGO
6493	140716.2041	2150979.9301	COGO
6494	140481.1849	2151009.8808	COGO
6495	140247.6679	2151015.6398	COGO
6496	140336.3215	2149873.1583	COGO
6497	140957.6433	2152874.4666	COGO
6498	143326.4878	2148282.1422	COGO
6499	140853.7929	2150766.0791	COGO
6500	140788.6398	2150760.4364	COGO
6501	140618.6290	2150741.7933	COGO
6502	140606.5685	2150737.1013	COGO
6503	140595.8439	2150729.2354	COGO
6504	145636.5344	2150666.8028	COGO
6505	145053.1750	2150670.3079	COGO
6506	144976.8538	2150672.2925	COGO
6507	146249.7950	2150663.1180	COGO
6508	146410.5411	2150668.9258	COGO
6509	141652.2095	2147849.5462	COGO
6510	142223.0052	2150307.7366	COGO
6511	144561.4456	2150771.7757	COGO
6512	144566.1155	2150771.7476	COGO
6513	144868.2658	2150754.5384	COGO
6514	144984.3001	2150745.5617	COGO
6515	145336.3593	2150711.1190	COGO
6516	145346.5547	2150707.8130	COGO
6517	145359.0769	2150700.4826	COGO
6518	142844.6079	2150590.1194	COGO
6519	145854.8320	2150697.5039	COGO
6520	145867.1285	2150704.5051	COGO
6521	145878.0604	2150707.7383	COGO
6522	146460.7450	2150741.2951	COGO
6523	146623.4523	2150757.6780	COGO
6524	146735.2762	2150773.7989	COGO
6525	142765.5493	2151062.6006	COGO
6526	144879.2844	2150955.3656	COGO
6527	145255.7576	2150953.1036	COGO
6528	142604.7240	2149928.6225	COGO
6529	146065.6982	2150948.2369	COGO
6530	146330.9734	2150946.6430	COGO
6531	146608.2221	2150939.5305	COGO
6532	145375.5421	2150956.1427	COGO
6533	145572.1751	2150967.3119	COGO
6534	145704.0021	2150967.2049	COGO
6535	145965.7557	2150951.9107	COGO
6536	146775.6707	2150697.5511	COGO
6537	147688.3138	2150843.8834	COGO
6538	147753.7085	2150859.8681	COGO
6539	147893.1966	2150876.2437	COGO
6540	148284.5745	2150873.8921	COGO
6541	148286.6956	2151317.0767	COGO
6542	148171.3450	2151252.8640	COGO
6543	147804.6215	2151110.8596	COGO

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S009

OKLAHOMA COUNTY

SDS 09 OF 46

FED. DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

POE & ASSOCIATES, OKLAHOMA CITY, OK.

DESCRIPTION	REVISIONS	DATE
		5/27/2022

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
6544	147377.2992	2151009.1314	COGO
6545	146697.9714	2150931.5540	COGO
6546	143028.0889	2151733.8449	COGO
6547	147672.0887	2151053.6550	COGO
6548	147544.7967	2151017.2920	COGO
6549	147342.6575	2150949.6074	COGO
6550	147336.6247	2150967.6242	COGO
6551	146912.5656	2150877.5204	COGO
6552	144545.1966	2150685.7864	COGO
6553	141677.2836	2150714.2265	COGO
6554	141973.4268	2150696.2709	COGO
6555	144298.1055	2150688.7962	COGO
6556	144468.7364	2150687.7709	COGO
6557	142263.1581	2150663.5783	COGO
6558	143304.9437	2150276.0760	COGO
6559	143579.4435	2150548.4484	COGO
6560	143787.3969	2150649.6031	COGO
6561	143925.3006	2150666.7851	COGO
6562	144752.2538	2150951.2604	COGO
6563	144579.0617	2150940.7605	COGO
6564	144452.0120	2150937.2948	COGO
6565	144211.3663	2150935.8489	COGO
6566	144020.0781	2150943.3946	COGO
6567	143755.6014	2150962.6946	COGO
6568	143526.5975	2151068.4955	COGO
6569	143131.1121	2151479.9357	COGO
6570	142915.2749	2153018.4940	COGO
6571	142914.0589	2152848.4984	COGO
6572	142784.0622	2152849.4282	COGO
6573	142865.0040	2153749.7223	COGO
6574	142480.9001	2153383.2928	COGO
6575	142861.2069	2153218.8859	COGO
6576	142852.0661	2150187.5772	COGO
6577	142632.4452	2153116.4276	COGO
6578	142781.8660	2152542.3861	COGO
6579	142681.2611	2153020.1679	COGO
6580	143240.2173	2153074.9912	COGO
6581	143152.3521	2152704.7340	COGO
6582	143040.1733	2153754.4171	COGO
6583	143190.9323	2153016.5222	COGO
6584	143132.7351	2153440.0404	COGO
6585	143040.0327	2152231.4286	COGO
6586	142775.1949	2151609.7699	COGO
6587	143014.2534	2152017.7663	COGO
6588	143012.8229	2151817.7714	COGO
6589	142470.3461	2150566.6923	COGO
6590	143006.8669	2153991.4573	COGO
6591	142973.5321	2153403.7572	COGO
6592	143120.4766	2153424.4063	COGO
6593	142649.5476	2151297.7635	COGO
6594	142493.4960	2151133.0884	COGO
6595	142850.7483	2151756.7733	COGO
6596	142641.3389	2151236.7619	COGO
6597	142531.1322	2151120.4651	COGO
6598	142156.7775	2150990.0285	COGO
6599	141770.6623	2150993.4081	COGO
6600	141527.1081	2151035.5257	COGO
6601	141217.7631	2151075.3830	COGO
6602	140350.6568	2151008.0977	COGO
6603	140241.2174	2150935.9365	COGO
6604	141555.3805	2150959.3011	COGO
6605	142156.4624	2150954.0399	COGO
6606	140720.9889	2150888.1031	COGO
6607	141288.2754	2150936.1789	COGO
6608	141555.2667	2150946.3016	COGO
6609	141145.5900	2151069.7825	COGO
6610	143191.9148	2150615.1243	COGO
6611	141321.6579	2150961.3373	COGO
6612	143311.2171	2156216.5716	COGO
6613	143176.6792	2155758.5443	COGO
6614	143042.1412	2155300.5169	COGO
6615	143192.7576	2156664.8885	COGO
6616	143069.3707	2157111.8743	COGO
6617	142511.2254	2156220.1964	COGO
6618	142582.6137	2155933.8798	COGO
6619	142696.8096	2155721.2213	COGO
6620	142844.6891	2155214.8201	COGO
6621	142882.3266	2154716.8604	COGO
6622	142605.9392	2156541.2968	COGO
6623	142719.2283	2156718.2125	COGO
6624	142830.9630	2157060.8391	COGO
6625	142836.2103	2157215.7914	COGO
6626	142842.3215	2158115.9006	COGO
6627	143266.3435	2155957.2135	COGO
6628	143163.4587	2155957.6128	COGO
6629	143043.0271	2155867.7964	COGO
6630	142997.9835	2155714.2468	COGO
6631	142970.7898	2155562.9075	COGO
6632	142964.0988	2155408.0108	COGO
6633	142949.5915	2154507.4277	COGO
6634	142948.9806	2154422.0198	COGO
6635	142949.6329	2154192.8546	COGO
6636	142948.3050	2154007.2193	COGO
6637	143279.5837	2156448.1402	COGO
6638	143177.6229	2156448.5358	COGO
6639	143028.7277	2156585.9674	COGO
6640	142976.9285	2157202.0536	COGO
6641	142943.2003	2157603.2082	COGO
6642	143153.4000	2150733.8074	COGO
6643	143298.5751	2150705.4157	COGO
6644	143119.4141	2150495.6564	COGO
6645	143069.7619	2150635.8849	COGO
6646	143073.1298	2150913.5169	COGO
6647	143219.4020	2150937.9175	COGO

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
6648	143018.7604	2151109.2906	COGO
6649	143016.5705	2150961.8249	COGO
6650	142837.5489	2150915.5789	COGO
6651	142693.0485	2150943.1327	COGO
6652	142872.2095	2151152.8920	COGO
6653	142922.1852	2151013.4926	COGO
6654	142920.1689	2150735.8489	COGO
6655	142774.2084	2150710.8374	COGO
6656	142974.8501	2150539.4644	COGO
6657	142976.7222	2150687.5396	COGO
6658	143028.9631	2149886.0896	COGO
6659	143019.9226	2150035.8169	COGO
6660	142964.3351	2150167.5044	COGO
6661	142544.2397	2145645.6763	COGO
6662	147128.1987	2150795.2068	COGO
6663	147647.8385	2150863.7435	COGO
6664	147565.9896	2150864.0401	COGO
6665	147645.5052	2150878.5574	COGO
6666	147904.0104	2150901.1789	COGO
6667	147964.7893	2150900.8138	COGO
6668	147895.6423	2149508.4761	COGO
6670	142863.3533	2150278.4218	COGO
6671	142529.1846	2150597.9061	COGO
6672	142413.7535	2150693.6957	COGO
6673	142302.6577	2150738.7928	COGO
6674	142153.1201	2150750.5616	COGO
6675	141919.4218	2150768.3633	COGO
6676	141721.9566	2150780.3379	COGO
6677	141542.7016	2150788.5582	COGO
6678	141399.9150	2150795.1572	COGO
6679	141390.5253	2150795.2394	COGO
6680	141560.0507	2150787.1042	COGO
6681	141702.8373	2150780.5052	COGO
6682	142005.1576	2150758.6874	COGO
6683	142136.8008	2150750.7044	COGO
6684	141252.4962	2150791.4558	COGO
6685	143140.8879	2149983.1129	COGO
6686	143152.7655	2150132.6419	COGO
6687	143202.7522	2150251.0751	COGO
6688	143301.6035	2150363.8955	COGO
6689	144411.5434	2150766.3597	COGO
6690	144124.4942	2150743.8557	COGO
6691	143988.0122	2150738.9245	COGO
6692	143941.1131	2150739.2063	COGO
6693	143791.4181	2150729.6460	COGO
6694	143669.9076	2150680.0193	COGO
6695	143556.3197	2150582.0510	COGO
6696	144242.7960	2150872.2870	COGO
6697	144219.3265	2150872.4281	COGO
6698	142942.4647	2148387.1017	COGO
6699	141042.9141	2148188.9352	COGO
6700	142951.1777	2148110.8801	COGO
6701	144021.6216	2150885.2625	COGO
6702	143967.2201	2150892.0234	COGO
6703	143832.7631	2150900.7508	COGO
6704	143826.3132	2150900.7895	COGO
6705	143676.7437	2150912.1456	COGO
6706	143556.0621	2150963.0776	COGO
6707	143443.5820	2151062.31[illegible]	COGO
6708	143117.9174	2151392.7[illegible]3	COGO
6709	143020.3373	2151506.[illegible]79	COGO
6710	142971.2870	2151[illegible]27.5[illegible]6	COGO
6711	142961.8980	2151[illegible]7.2[illegible]5	COGO
6712	144377.1442	2150861.11[illegible]	COGO
6713	144392.965[illegible]	2150861.751[illegible]	COGO
6714	144527.[illegible]40	2150858.[illegible]775	COGO
6715	144536.[illegible]236	2150858.[illegible]981	COGO
6716	14[illegible]33.[illegible]	2150[illegible]4.8310	COGO
[illegible]	[illegible]257.[illegible]	150910.1806	COGO
671[illegible]	1[illegible]267.8[illegible]	150913.3720	COGO
6719	14[illegible]80.39[illegible]	2150920.5266	COGO
672[illegible]	143[illegible]6.9661	2154005.3222	COGO
[illegible]	1425[illegible].2397	2145645.6763	COGO
[illegible]722	1424[illegible].5438	2151066.0258	COGO
6723	142231.4596	2150953.3835	COGO
[illegible]724	142226.1006	2151294.6984	COGO
[illegible]725	142228.6858	2153989.8391	COGO
[illegible]726	143185.7268	2147098.0302	COGO
6728	143204.3943	2147304.4828	COGO
6729	146100.5121	2152997.0312	COGO
6730	143179.6027	2148423.2686	COGO
6731	146044.2629	2148396.1109	COGO
6732	143180.2685	2148328.6447	COGO
8001	146312.2486436	2151234.9138830	COGO
8007	143116.5188223	2151508.9391270	COGO
8013	144704.8474071	2153690.5186116	COGO
8014	144662.5879660	2153599.8867207	COGO
8015	144047.8216716	2153904.8972604	COGO
8016	144028.4956262	2153806.7825114	COGO
8017	145641.3448978	2151316.1160151	COGO
8020	144143.4689371	2146918.1491395	COGO
8021	143315.7506400	2149358.5211200	COGO
8022	142727.4608199	2146596.1836774	COGO
8023	142327.8479439	2149927.5540073	COGO
8024	145550.4635976	2151163.6378551	COGO
8025	145390.4662609	2151164.5610429	COGO
8026	145551.3172213	2151316.6595884	COGO
8028	144883.5389797	2151003.2237650	COGO
8029	144884.7222051	2151198.4001785	COGO
8030	144971.3574012	2151320.2092377	COGO
8031	144871.5179063	2151255.8388393	COGO
8032	142168.7998517	2150028.9624550	COGO
8033	144681.0689459	2151240.4761774	COGO
8034	144596.4973405	2151239.6921058	COGO

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
8035	144832.3000188	2151270.6655256	COGO
8036	143125.5663000	2152359.9353000	COGO
8037	144079.7632700	2150431.8785300	COGO
8038	142937.9324199	2148134.6175973	COGO
8039	143920.6542400	2150181.9504000	COGO
8040	141678.8272693	2151050.3583679	COGO
8041	144713.7328719	2151242.5548390	COGO
8042	144101.0815200	2150445.1494800	COGO
8043	143183.1465951	2146240.4711864	COGO
8044	144197.9732057	2151357.1766093	COGO
8045	144133.7143493	2151395.0470347	COGO
8046	144064.7583774	2151441.7085985	COGO
8047	144015.7543487	2151435.3543024	COGO
8048	143939.8912099	2151001.3687401	COGO
8049	143963.8891102	2151299.9519059	COGO
8050	143899.0684582	2151304.2962749	COGO
8051	145563.7769588	2151751.2311822	COGO
8052	145564.6285247	2151901.3047662	COGO
8053	145553.7771476	2151751.2926271	COGO
8054	142726.4567876	2151786.6296248	COGO
8055	144062.2521695	2146232.6911744	COGO
8056	143116.0877000	2151508.5268000	COGO
8058	144636.3287409	2153560.5765975	COGO
8059	142562.4664403	2146597.5570369	COGO
8060	142565.2709445	2146895.9672860	COGO
8061	143271.1564551	2152986.1121737	COGO
8062	143325.8559205	2152985.8703423	COGO
8063	143630.1412026	2153130.1507941	COGO
8064	143676.5229808	2153124.8826783	COGO
8065	143785.4394825	2152992.7969650	COGO
8066	143780.2577760	2152945.771[illegible]887	COGO
8069	146283.0062519	2153552.125[illegible]27	COGO
8070	142712.3455208	2146[illegible]678[illegible]7	COGO
8071	143697.9716963	21[illegible]80.5[illegible]11	COGO
8072	142377.2775139	[illegible]46897.5[illegible]528	COGO
8073	142383.0331887	[illegible]47497.[illegible]4926	COGO
8075	143112.4178000	2[illegible]227[illegible]9599000	COGO
8076	140939.6764377	215[illegible]3.6935359	COGO
8079	144068.5[illegible]2235	214[illegible]2.8733638	COGO
8080	147279.4[illegible]9627	2526[illegible].3023691	COGO
8081	140941.49[illegible]770	2513[illegible].5770452	COGO
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[illegible]6	143416.75[illegible]00	2147514.1338400	COGO
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8[illegible]	[illegible]350.959[illegible]00	2148560.4692500	COGO
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[illegible]	143446.1040100	2148948.5985800	COGO
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8095	145632.3058892	2152086.9054294	COGO
8096	143884.4083828	2151653.5827671	COGO
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8101	142909.0937332	2146662.6901768	COGO
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8105	145726.9064512	2152200.6800787	COGO
8106	140952.6733714	2151522.7728409	COGO
8107	143204.2987896	2153462.2184181	COGO
8108	143964.5710049	2151475.3644741	COGO
8109	143322.5583408	2151705.9839525	COGO
8110	143770.1434412	2151928.4933627	COGO
8111	143878.8452992	2151005.3762230	COGO
8112	143949.2990343	2148625.5646358	COGO
8113	143351.3638800	2148630.9912300	COGO
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8121	147279.4739923	2152689.1483024	COGO
8122	145508.0460052	2152448.7629480	COGO
8123	143806.8910391	2151898.0811275	COGO
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8128	145181.4604232	2152450.4616867	COGO
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8130	145180.6581893	2152296.2307731	COGO
8131	143283.2783661	2153095.5689689	COGO
8136	143787.9879082	2152017.8502937	COGO
8137	143767.4854120	2153459.8111232	COGO
8138	144442.2632857	2153628.2868227	COGO
8139	142555.5119103	2146496.0413383	COGO
8140	146323.0059244	2153551.9639857	COGO
8141	143739.3957627	2152292.1430940	COGO
8142	147249.0010724	2152834.2077196	COGO
8143	143354.2068300	2148683.9974900	COGO
8146	143343.2773308	2153095.2164900	COGO
8147	146951.7507763	2153549.4196384	COGO
8150	143233.6951253	2147827.6222814	COGO
8152	143548.6111839	2153192.2637613	COGO
8153	143553.8865162	2153238.6346549	COGO
8154	143372.2523336	2153386.1643932	COGO

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
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8157	143361.7295000	2148736.5013600	COGO
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8160	143716.2927965	2152358.1996414	COGO
8161	143726.5727522	2152358.1694372	COGO
8162	142622.4273344	2147210.7795734	COGO
8166	142623.5480879	2147350.7750873	COGO
8167	142429.9601161	2147385.7006484	COGO
8168	142909.4553964	2147613.5757577	COGO
8169	143226.8690874	2151972.7925246	COGO
8171	143600.1306322	2151959.1396655	COGO
8172	143673.9171927	2151971.4472083	COGO
8173	143764.8101487	2151989.7630201	COGO
8174	142763.5545285	2147660.2117674	COGO
8175	143373.8369000	2148788.0040800	COGO
8176	143390.5889000	2148838.6072300	COGO
8177	143411.6284400	2148887.2093600	COGO
8178	143436.8949200	2148933.7783000	COGO
8179	143469.7476800	2148985.4055000	COGO
8180	143462.2020400	2149019.9345300	COGO
8181	143457.1141000	2149023.1956800	COGO
8182	143363.1955800	2149196.8072900	COGO
[illegible]	143567.2373827	2149194.9782900	COGO
8184	143414.2418000	2149059.9912400	COGO
[illegible]	143385.7631300	2149101.7346000	COGO
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8192	143368.7849000	2149147.5823600	COGO
8193	143363.1908000	2149196.1075800	COGO
8194	143363.6818800	2149248.1034800	COGO
8195	143364.2030700	2149303.0801500	COGO
8197	143364.7242500	2149358.0568400	COGO
8198	143365.2454200	2149413.0308800	COGO
8199	143365.2591000	2149414.4734600	COGO
8200	144106.4245355	2149407.3154468	COGO
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8203	143367.8121000	2149469.1697200	COGO
8204	143374.4337100	2149523.8415800	COGO
8205	143378.8141700	2149548.5974200	COGO
8206	143788.5445400	2150182.9014700	COGO
8207	143842.7932100	2150242.3646300	COGO
8208	144904.7909212	2152297.6657000	COGO
8209	143915.4737000	2150241.6756100	COGO
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8228	144077.8832900	2150239.8667700	COGO
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8231	145122.7782700	2150322.1339300	COGO
8232	142716.6251248	2147679.0405206	COGO
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8234	143786.7217100	2150107.9412800	COGO
8235	146971.7506125	2153549.3387049	COGO
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8238	144212.7483500	2150389.0743500	COGO
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8241	144213.8249000	2150499.0274100	COGO
8242	144263.7908900	2150491.6378200	COGO
8243	145648.3012417	2152521.7173950	COGO
8244	144398.8795000	2150490.3151700	COGO
8245	144585.1929700	2150610.2507200	COGO
8246	144705.2103400	2150602.8040300	COGO
8247	144705.2717300	2150609.0750400	COGO
8248	144705.6156200	2150644.1976500	COGO
8249	144825.2891000	2150601.6283400	COGO
8250	144834.1612986	2152369.0339261	COGO
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8253	145294.8252764	2150530.3725522	COGO
8254	145294.8358502	2150531.4525073	COGO
8255	145174.8322189	2150531.6690663	COGO
8256	145175.4196490	2150591.6661906	COGO
8257	145485.1647766	2150541.0403000	COGO
8258	145485.7032542	2150596.0376639	COGO
8259	145435.0547902	2150530.0516189	COGO
8260	145435.6422203	2150590.0487432	COGO
8261	145125.4693999	2150596.9922671	COGO
8262	140333.1911088	2151525.8690289	COGO
8263	145124.9309224	2150541.9949032	COGO

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S010

OKLAHOMA COUNTY

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Preliminary Plans

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COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
8265	142331.4507539	2150308.5169716	COGO
8266	145005.3859794	2150597.6917255	COGO
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8270	145005.4349319	2150602.6914859	COGO
8271	145004.8964543	2150547.6941219	COGO
8272	144885.3559999	2150603.8504571	COGO
8273	144884.8175223	2150548.8530932	COGO
8274	144824.7506224	2150546.6309760	COGO
8275	142172.5358119	2150424.0047897	COGO
8276	144704.6718624	2150547.8066660	COGO
8277	144704.7332524	2150554.0776760	COGO
8278	144584.6544924	2150555.2533560	COGO
8279	144398.9440124	2150496.9039960	COGO
8280	144534.0326224	2150495.5813460	COGO
8281	142555.0381882	2146445.6136018	COGO
8282	142729.7578613	2152247.9537050	COGO
8283	140380.4781887	2153901.8415735	COGO
8284	141696.6233930	2153478.5640565	COGO
8285	141684.2956562	2151794.6231802	COGO
8286	139270.5192614	2150987.3021912	COGO
8287	139281.0736930	2152274.3861573	COGO
8288	139601.0616382	2152271.6085767	COGO
8289	138281.1113644	2152283.0660966	COGO
8291	139590.5070169	2150984.5014754	COGO
8292	140368.6924467	2152266.1444859	COGO
8293	141687.6742888	2152256.1363070	COGO
8294	137731.1320837	2152287.8400633	COGO
8295	137764.1308405	2152287.5536253	COGO
8296	143619.5973827	2156215.3156823	COGO
8297	143669.5969681	2156215.1120513	COGO
8298	143620.0903279	2155650.3158973	COGO
8299	143595.0903374	2155650.2940856	COGO
8300	145646.5670334	2152221.1623981	COGO
8301	145646.3362365	2152181.1630640	COGO
8305	145640.9028146	2151239.4987393	COGO
8306	147272.6892203	2152735.0681813	COGO
8307	143796.1057251	2152027.6876269	COGO
8308	145639.1686062	2150938.9437425	COGO
8309	142328.7936130	2150027.5495357	COGO
8310	142717.0979594	2147729.0382849	COGO
8311	143214.2571571	2151912.0888244	COGO
8312	143686.1635427	2151910.6687013	COGO
8313	142661.1435852	2147094.7525562	COGO
8314	142664.0680379	2147405.9088136	COGO
8315	143668.6336794	2156158.1201916	COGO
8316	142314.6123546	2148528.0297330	COGO
8317	142313.1938510	2148378.0364404	COGO
8319	142938.7473108	2148222.1138026	COGO
8320	142791.7538840	2148223.5039362	COGO
8321	142790.9264236	2148136.0078488	COGO
8322	142939.4565626	2148297.1104490	COGO
8324	142748.7558068	2148223.9105739	COGO
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8327	142513.1849079	2148376.1451022	COGO
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8330	142559.2712094	2146896.0236724	COGO
8331	146270.2572653	2150935.1602972	COGO
8332	146310.2565464	2150934.9204972	COGO
8336	142325.9566058	2149727.5629504	COGO
8337	142952.9321578	2149722.0260598	COGO
8338	142505.9522475	2147611.3593015	COGO
8339	142306.5645270	2147677.0477868	COGO
8348	142317.4464997	2148827.7059539	COGO
8349	141667.4718443	2148833.4459382	COGO
8353	141667.7082616	2148858.4448203	COGO
8354	142317.6829169	2148852.7048360	COGO
8355	142757.4284278	2148823.7176665	COGO
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8358	142944.5629867	2148837.0656464	COGO
8360	142935.9328207	2149721.8759368	COGO
8361	142932.4643902	2149355.1223371	COGO
8362	142453.2830751	2149359.3540302	COGO
8363	142453.1412247	2149344.3547009	COGO
8364	142932.3225399	2149340.1230079	COGO
8365	142932.1501444	2149321.8938230	COGO
8367	142949.1494815	2149321.7437003	COGO
8368	142945.3668053	2148922.0618322	COGO
8369	142928.3674681	2148922.2119549	COGO
8370	142927.4217991	2148822.2164265	COGO
8371	142944.4211362	2148822.0663038	COGO
8372	146941.3452055	2150931.1370519	COGO
8373	142350.9556310	2149727.3421818	COGO
8374	142349.0642929	2149527.3511249	COGO
8375	145839.7119	2150507.6158	COGO
8376	145784.9172	2150507.9443	COGO
8377	142321.7010949	2149277.5830585	COGO
8378	146961.3448461	2150931.0171519	COGO
8379	142922.0254562	2146442.5589193	COGO
8380	142697.9970639	2147824.2036988	COGO
8381	142699.6417573	2147999.1959700	COGO
8383	142921.7477847	2148222.2432558	COGO
8384	142944.3740418	2148817.0871969	COGO
8387	141633.1378865	2150490.2106447	COGO
8389	141333.1495841	2150492.8598683	COGO

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
8390	146942.5377295	2151231.2046823	COGO
8391	142331.6306202	2150327.5361211	COGO
8393	146943.7302535	2151531.2723127	COGO
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8395	146945.0817436	2151871.3396271	COGO
8396	146946.2742676	2152171.4072575	COGO
8397	146946.4332337	2152211.4069416	COGO
8399	141678.8189576	2150033.2895201	COGO
8400	142323.2881027	2146047.6689934	COGO
8401	141331.1022105	2150276.3695492	COGO
8402	141031.1139081	2150279.0187727	COGO
8403	142667.9982337	2147824.4686212	COGO
8404	142667.0998480	2147729.4728692	COGO
8405	142914.1902132	2147727.2907920	COGO
8406	146947.4551076	2152468.5349111	COGO
8407	141641.3117272	2146053.3455425	COGO
8408	146948.3453178	2152692.5331421	COGO
8409	142696.9780588	2145894.4102473	COGO
8410	141032.1541440	2150389.0138540	COGO
8411	140678.2302198	2150463.4821505	COGO
8414	142316.9027220	2149827.6530457	COGO
8415	142326.9022748	2149827.5584788	COGO
8416	142317.9429572	2149937.6481271	COGO
8417	143827.3703429	2153376.0673680	COGO
8418	142319.9974003	2145697.5444571	COGO
8419	143844.9790091	2153396.6071487	COGO
8421	142756.3762961	2147636.2644715	COGO
8422	144335.2205261	2153553.8104603	COGO
8423	144360.4971179	2152953.8693342	COGO
8424	145089.1273987	2153272.1682054	COGO
8425	144836.7802244	2153397.8340180	COGO
8426	144650.7353752	2153468.5886848	COGO
8427	145698.9535234	2152870.8737313	COGO
8428	145551.1670340	2153048.3120693	COGO
8429	140292.7685414	2150314.3676414	COGO
8430	139937.9092567	2150317.8119781	COGO
8431	139629.6159216	2150513.8771896	COGO
8432	139729.6104157	2150512.8278320	COGO
8433	139939.7788433	2150510.6222921	COGO
8434	139429.6269334	2150515.9759049	COGO
8435	139630.9182716	2150714.5220018	COGO
8437	142666.6270135	2147679.4751049	COGO
8438	142650.1165410	2148049.6352715	COGO
8439	142651.7585015	2148224.6482265	COGO
8441	144131.3793738	2145631.8423946	COGO
8442	144836.2151917	2152763.8985844	COGO
8443	144468.3501681	2152765.8120387	COGO
8444	144443.4807808	2152790.9414955	COGO
8445	144359.6519149	2152791.3775323	COGO
8446	144358.5800018	2152585.3003201	COGO
8447	144383.4493891	2152560.1708633	COGO
8448	144413.3989839	2152560.0150801	COGO
8449	144411.7523116	2152243.4393621	COGO
8450	144378.9820215	2152211.00[illegible]	COGO
8451	144277.5593935	2152211.[illegible]5769[illegible]	COGO
8452	144277.4563686	2152[illegible]1.[illegible]90375	COGO
8453	143438.5681136	2151[illegible]3.58[illegible]9071	COGO
8454	143578.7717508	2[illegible]5135.42[illegible]535	COGO
8455	139730.92[illegible]	2[illegible]0712.631[illegible]22	COGO
8456	139430.[illegible]5070	2[illegible]5715.[illegible]716919	COGO
8457	138[illegible]6.58400	2150[illegible]22.3614423	COGO
8458	1[illegible]539.[illegible]54	505[illegible]9.9921327	COGO
8459	1[illegible]139.6[illegible]2313	2150518.9690075	COGO
8460	13[illegible]40.98[illegible]	2150723.6446960	COGO
8461	139[illegible]6.5563676	2150220.0082543	COGO
8462	138[illegible].6785037	2150522.3453207	COGO
8463	1387[illegible].2221051	2150478.3036958	COGO
8469	138088.8472662	2150484.3500633	COGO
8471	138086.9357688	2150302.3601015	COGO
8472	137764.4476077	2150305.1234153	COGO
8473	145640.8996	2151238.9387	COGO
8474	145650.8996	2151238.9290	COGO
8475	145692.4858	2151038.9369	COGO
8476	145705.6842	2150975.4646	COGO
8477	145715.7699	2150974.9263	COGO
8478	145716.1392	2151038.9252	COGO
8479	145715.8995	2151238.8656	COGO
8480	145915.8994	2151238.6707	COGO
8481	145914.3155	2150964.1553	COGO
8482	146016.9645	2150958.5855	COGO
8483	146074.2545	2150958.5297	COGO
8484	146075.8700	2151238.5251	COGO
8485	146271.7342	2151238.3240	COGO
8486	146176.4342	2151238.4168	COGO
8487	146174.2544	2150958.4323	COGO
8488	146270.3702	2150958.3386	COGO
8489	146962.5386	2151231.4032	COGO
8490	147387.4650	2150895.3405	COGO
8491	146774.1136	2151230.0265	COGO
8492	146773.1463	2150986.6185	COGO
8493	146794.2588	2150966.8907	COGO
8494	146922.8431	2150987.1749	COGO
8495	146921.8442	2150977.2249	COGO
8496	146707.7387	2150959.8824	COGO
8497	146333.0408	2150969.2307	COGO
8498	146330.4370	2150972.7153	COGO
8499	146310.4411	2150972.8077	COGO

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
8500	146311.7207	2151235.4746	COGO
8501	146734.8994	2151232.3827	COGO
8502	146732.9120	2150984.2567	COGO
8503	146980.1552	2150996.3526	COGO
8504	146982.6353	2150986.6650	COGO
8505	147111.1165	2151006.4784	COGO
8506	147107.3062	2151031.1863	COGO
8507	146986.6367	2151031.5128	COGO
8508	146988.1378	2151409.2298	COGO
8509	147219.1376	2151408.9509	COGO
8510	147219.0954	2151373.9510	COGO
8511	147331.0953	2151373.8158	COGO
8512	147332.8983	2151827.4822	COGO
8513	147233.5986	2151827.7508	COGO
8514	147235.5747	2152324.9632	COGO
8515	147074.5493	2152405.2031	COGO
8516	147072.2561	2151828.1872	COGO
8517	146964.9115	2151828.4776	COGO
8518	147229.6256	2151024.7540	COGO
8519	147230.4630	2151235.4523	COGO
8520	147330.4629	2151235.3316	COGO
8521	147261.7064	2151029.7013	COGO
8522	147329.6537	2151048.3501	COGO
8523	148234.7538	2150890.2609	COGO
8524	148236.5382	2151339.2573	COGO
8525	148156.5383	2151339.3539	COGO
8526	148157.3570	2151545.3523	COGO
8527	148007.0597	2151546.2534	COGO
8528	148008.6235	2151939.7483	COGO
8529	147848.9586	2152019.3103	COGO
8530	147845.9298	2151206.3500	COGO
8531	148001.6465	2151226.3817	COGO
8532	148156.4344	2151313.2141	COGO
8533	148238.4695	2151825.21[illegible]	COGO
8534	145636.4530	2150658.835[illegible]	COGO
8535	146305.1476	2150[illegible].268	COGO
8536	146335.9470	2[illegible]54.[illegible]22	COGO
8537	146620.1488	2[illegible]50678.3[illegible]0	COGO
8538	146729.1399	2[illegible]50687.4[illegible]8	COGO
8539	145951.2493	2[illegible]0363.[illegible]58	COGO
8540	145954.2439	2[illegible].9305	COGO
8541	145841.2459	215[illegible]57.6079	COGO
8542	145838.25[illegible]3	2150[illegible]54.6233	COGO
8543	145783.45[illegible]7	2150[illegible].9518	COGO
8544	146[illegible]02.15[illegible]	2150[illegible].8421	COGO
8545	[illegible].45	2150365.6712	COGO
8546	1[illegible]566.919	2150508.6637	COGO
8547	145666.[illegible]	2150633.6572	COGO
8548	145691.24[illegible]	2150658.5072	COGO
85[illegible]	[illegible]6402.157[illegible]	2150367.7694	COGO
85[illegible]	[illegible]617.171[illegible]	2150366.1140	COGO
85[illegible]	1[illegible]932.70[illegible]	2150363.6847	COGO
8552	146934.4657	2150592.8079	COGO
855[illegible]	146992.6999	2150363.2228	COGO
85[illegible]	147112.6964	2150362.2989	COGO
8555	147308.8330	2150421.8233	COGO
8556	147619.7405	2150516.1789	COGO
8557	147622.5393	2150809.9502	COGO
8558	146928.8472	2150690.4625	COGO
8559	146917.6231	2150701.6866	COGO
8560	146988.4522	2150697.3430	COGO
8561	147001.0513	2150709.9420	COGO
8562	146994.4666	2150592.8070	COGO
8563	147311.9728	2150751.4033	COGO
8564	147091.6657	2150720.2779	COGO
8565	147088.2571	2150362.4871	COGO
8566	147090.4006	2150587.4769	COGO
8567	147520.9020	2150486.1829	COGO
8568	147523.7911	2150789.4491	COGO
8569	147828.1286	2150859.2534	COGO
8570	147747.2383	2150515.4145	COGO
8571	147750.3274	2150839.6719	COGO
8572	147874.7360	2150514.6502	COGO
8573	148209.3034	2150856.9682	COGO
8574	147878.0161	2150858.9543	COGO
8575	148230.5604	2150512.5170	COGO
8576	148054.3858	2150857.8969	COGO
8577	148050.5636	2150513.5960	COGO
8578	148234.1088	2150832.1629	COGO
8579	148052.7207	2150707.9062	COGO
8580	148232.7175	2150706.8271	COGO
8581	147445.9900	2151163.6491	COGO
8582	147330.1522	2151163.5487	COGO
8583	147808.0735	2152039.6836	COGO
8584	147805.7355	2151451.3982	COGO
8585	147823.1796	2151433.9961	COGO
8586	147822.4474	2151249.7376	COGO
8587	147846.1122	2151255.3097	COGO
8588	143453.3694	2154086.1635	COGO
8589	143993.8357	2154037.9784	COGO
8590	143461.4263	2151121.3844	COGO
8591	143966.5681	2154074.5025	COGO
8592	144483.1911	2154431.7467	COGO
8593	143735.9393	2154410.7563	COGO
8594	143658.3558	2154549.6650	COGO
8595	143612.9137	2154784.3626	COGO
8596	143090.2197	2154625.8445	COGO
8597	143578.3805	2154850.3092	COGO
8598	144259.4365	2154718.5363	COGO
8599	143613.3796	2154850.0610	COGO
8600	144235.2671	2154791.7995	COGO
8601	143104.3932	2155118.8268	COGO
8602	143078.1188	2154921.0755	COGO
8603	143056.7684	2154634.5347	COGO

COORDINATES

POINT NAME	NORTHING	EASTING	DESCRIPTION
8604	143632.0407	2154630.4528	COGO
8605	143303.6831	2154919.4759	COGO
8606	143305.2014	2155133.5806	COGO
8607	143580.5587	2155157.4708	COGO
8608	143584.0534	2155650.2845	COGO
8609	143585.0903	2155796.4954	COGO
8610	143600.0903	2155796.4954	COGO
8611	143600.0903	2156140.3955	COGO
8612	143763.2838	2154458.7675	COGO
8613	143663.0774	2154785.7725	COGO
8614	143663.5358	2154850.4162	COGO
8615	143698.5355	2154850.2736	COGO
15872	140378.6837730	2150995.9483060	BM
15873	141700.3823620	2151070.0733500	BM
15875	143428.6951520	2151210.7776840	BM
15876	143599.0558960	2150562.8433890	BM
50285	145553.8078560	2150653.4402270	BM
50303	144252.2513510	2150490.5006800	BM
50304	143919.9301930	2150298.9654250	BM
50305	143490.7027260	2149895.1502220	BM
50307	143401.6750190	2149250.2771580	BM
50309	143390.2218670	2148652.9488630	BM
50311	143242.1995770	2148000.3678520	BM
50313	143237.6604340	2147408.0054470	BM
[illegible]	143205.3644390	2146579.6986950	BM
50317	143182.8490400	2145913.5696550	BM
503[illegible]	143197.8093010	2145708.7094360	BM
50319	142888.1129440	2145743.2748250	BM
50321	142901.9036360	2146335.1472670	BM
5[illegible]	142916.9876250	2146936.6238090	BM
50325	142907.3605680	2147568.1486410	BM
50327	142911.6066500	2148227.1133380	BM
50329	142802.9275290	2148847.0583200	BM
50331	142760.5652270	2149409.0325230	BM
50332	142643.1187210	2149720.2042730	BM
50333	142464.1441130	2150123.0392650	BM
50334	142296.1946730	2150304.5431320	BM
50335	141839.2050150	2150657.0857100	BM
50336	141535.0147150	2150701.4701360	BM
50338	140917.9882580	2150688.8599450	BM
50340	140383.9186640	2150617.3816870	BM
50341	145812.9439860	2151012.1135020	BM
50343	145129.4986010	2150988.2197760	BM
50344	143845.2559930	2150991.1289140	BM
50345	143455.5868870	2151409.9459730	BM
50346	143116.7567800	2151924.9735110	BM
50347	143220.7316130	2152558.2994020	BM
50348	143234.7555270	2153314.0595330	BM
50349	143103.1601590	2155087.5292970	BM
50350	143227.6751920	2155899.3994280	BM
50351	140981.2726690	2151191.0884400	BM
50352	141742.5192370	2151700.9568670	BM
50355	142212.8005530	2151785.9213220	BM
50356	142650.3998690	2152622.6482410	BM
50357	142589.5668460	2153095.4772350	BM
50358	142313.0682340	2153577.2256960	BM
50359	142726.6169390	2154100.2562350	BM
50360	142726.3158390	2155264.4566610	BM
50361	142543.6667540	2155843.1012460	BM
50362	142400.6015830	2156176.7690840	BM
50363	143072.6477560	2154416.4572460	BM
50364	145128.6796490	2150516.6250320	BAR & CAP O-55-1837 "CHURCH"
50365	143511.6047900	2147104.4432610	'X' ON CURB O-55-1838 "CIRCUIT CITY"
50366	140934.0270660	2155986.3656050	BAR & CAP O-55-1839 "DIAMOND"
50367	140344.4017030	2150218.6566280	BAR & CAP O-55-1840 "HOSPICE"
50368	143197.9033480	2152447.0616600	BAR & CAP O-55-1841 "MALL"
50369	145912.2610280	2152981.6647200	NGS P216-STEELROD "RAILROAD"
50370	144445.4785770	2150947.4412100	BM "RAMADA"

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
[illegible]	OKLA.				

REVISIONS

DESCRIPTION	DATE
5/27/2022	

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S01

OKLAHOMA COUNTY

SDS 11 OF 46

Preliminary Plans

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: CL SURVEY A035
Description:
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
POB (1323)	2500.00	137519.4209520	2150872.6245422
PI (6009)	4000.00	139019.3634951	2150859.4956665
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	1500.000		
Element: Linear			
PI (6009)	4000.00	139019.3634951	2150859.4956665
PI (6010)	4600.00	139619.3405124	2150854.2441163
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	600.000		
Element: Linear			
PI (6010)	4600.00	139619.3405124	2150854.2441163
PI (6008)	5338.63	140357.9461760	2150847.7791607
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	738.634		
Element: Linear			
PI (6008)	5338.63	140357.9461760	2150847.7791607
PI (1350)	6000.00	141019.2909597	2150841.9904370
Tangent Direction:	N 0°30'05.38" W		
Tangent Length:	661.370		
Element: Linear			
PI (1350)	6000.00	141019.2909597	2150841.9904370
PI (1351)	6500.00	141519.2718074	2150837.6141518
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	500.000		
Element: Linear			
PI (1351)	6500.00	141519.2718074	2150837.6141518
PI (1354)	7000.00	142019.2526552	2150833.2378665
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	500.000		
Element: Linear			
PI (1354)	7000.00	142019.2526552	2150833.2378665
PI (1355)	7500.00	142519.2335030	2150828.8615813
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	500.000		
Element: Linear			
PI (1355)	7500.00	142519.2335030	2150828.8615813
PI (1084)	7979.44	142998.6493000	2150824.6653000
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	479.434		
Element: Linear			
PI (1084)	7979.44	142998.6493000	2150824.6653000
PI (1361)	8500.01	143519.2099033	2150821.5374945
Tangent Direction:	N 0°20'39.33" W		
Tangent Length:	520.570		
Element: Linear			
PI (1361)	8500.01	143519.2099033	2150821.5374945
PI (1362)	9000.01	144019.2008779	2150818.5332824
Tangent Direction:	N 0°20'39.33" W		
Tangent Length:	500.000		
Element: Linear			
PI (1362)	9000.01	144019.2008779	2150818.5332824
PI (1365)	9500.01	144519.1918526	2150815.5290702
Tangent Direction:	N 0°20'39.33" W		
Tangent Length:	500.000		
Element: Linear			
PI (1365)	9500.01	144519.1918526	2150815.5290702
PI (1366)	10000.01	145019.1828272	2150812.5248580
Tangent Direction:	N 0°20'39.33" W		
Tangent Length:	500.000		
Element: Linear			
PI (1366)	10000.01	145019.1828272	2150812.5248580
PI (6007)	10618.82	145637.9858814	2150808.8067868
Tangent Direction:	N 0°20'39.32" W		
Tangent Length:	618.814		
Element: Linear			
PI (6007)	10618.82	145637.9858814	2150808.8067868
PC (1060)	11317.69	146336.8429785	2150804.6076882
Tangent Direction:	N 0°20'39.34" W		
Tangent Length:	698.870		
Element: Circular			
P.C. STA. (1060)	11317.69	146336.8430	2150804.6077
P.I. STA. ( )	12203.22	147222.3501	2150799.2871
C.C. STA. (1063)		146371.2687	2156534.0823
P.T. STA. (1075)	13074.84	148068.1468	2151061.5446
Radius:	5729.58		
Delta:	17°34'17.16" Right		
Degree of Curvature(Arc):	1°00'00.00"		
Length:	1757.14		
Tangent:	885.52		
Chord:	1750.27		
Middle Ordinate:	67.23		
External:	68.03		
Tangent Direction:	N 0°20'39.33" W		
Radial Direction:	N 89°39'20.67" E		
Chord Direction:	N 8°26'29.25" E		
Radial Direction:	S 72°46'22.17" E		
Tangent Direction:	N 17°13'37.83" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: CL SURVEY A035 *CONTINUED
Description:
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
POB (1075)	13074.84	148068.1468	2151061.5446
PI (1076)	13302.75	148285.8404	2151129.0452
Tangent Direction:	N 17°13'37.82" E		
Tangent Length:	227.92		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: CL SURVEYA034
Description: PF2-Plan5
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
POB (6417)	37139.31	143039.5414473	2145147.3663457
PI (6002)	37633.43	143044.2256038	2145641.4636161
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	494.119		
Element: Linear			
PI (6002)	37633.43	143044.2256038	2145641.4636161
PI (6001)	39343.79	143060.4394888	2147351.7472887
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	1710.361		
Element: Linear			
PI (6001)	39343.79	143060.4394888	2147351.7472887
PI (6240)	39500.00	143061.9203292	2147507.9502696
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	156.210		
Element: Linear			
PI (6240)	39500.00	143061.9203292	2147507.9502696
PI (6241)	40000.00	143066.6602320	2148007.9278024
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	500.000		
Element: Linear			
PI (6241)	40000.00	143066.6602320	2148007.9278024
PI (6004)	40274.55	143069.2629298	2148282.4672851
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	274.55		
Element: Linear			
PI (6004)	40274.55	143069.2629298	2148282.4672851
PI (1108)	41508.92	143080.9645000	2149516.7800000
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	23[illegible].368		
Element: Linear			
PI (1108)	41508.92	143080.9645000	2149516.7800000
EQNBK ( )	41508.92	143080.9645000	2149516.7800000
EQNAHD ( )	41500.00	143080.9645000	2149516.7800000
CC (1234)	A 42007.57	143085.7762000	2150024.3309000
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	507.574		
Element: Circular			
PC (1234)	A 42007.57	143085.7762000	2150024.3309000
PI ( )	A 42259.26	143088.1621331	2150276.0058464
CC (1236)		140221.1160000	2150051.4885000
PT (1237)	A 42509.66	143046.6284000	2150524.2414000
Radius:	2864.789		
Delta:	10°02'30.00" Right		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	502.083		
Tangent:	251.686		
Chord:	501.441		
Middle Ordinate:	10.992		
External:	11.035		
Tangent Direction:	N 89°27'24.62" E		
Radial Direction:	S 0°32'35.38" E		
Chord Direction:	S 85°31'20.38" E		
Radial Direction:	S 9°29'54.62" W		
Tangent Direction:	S 80°30'05.38" E		
Element: Linear			
PT (1237)	A 42509.66	143046.6284000	2150524.2414000
PI (1103)	A 42814.28	142996.3594000	2150824.6854000
Tangent Direction:	S 80°30'05.40" E		
Tangent Length:	304.620		
Element: Linear			
PI (1103)	A 42814.28	142996.3594000	2150824.6854000
PI (1227)	A 42912.77	142980.1053000	2150921.8313000
Tangent Direction:	S 80°30'05.26" E		
Tangent Length:	98.496		
Element: Linear			
PI (1227)	A 42912.77	142980.1053000	2150921.8313000
PC (1238)	A 43128.35	142944.5298000	2151134.4563000
Tangent Direction:	S 80°30'05.40" E		
Tangent Length:	215.581		
Element: Circular			
PC (1238)	A 43128.35	142944.5298000	2151134.4563000
PI ( )	A 43376.68	142903.5502795	2151379.3794794
CC (1239)		145770.0422000	2151607.2092000
PT (1240)	A 43623.77	142905.3265000	2151627.7003000

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: CL SURVEYA034 *CONTINUED
Description: PF2-Plan5
Style: Default

	STATION	NORTHING	EASTING
CURVE DATA CONTINUED:			
Radius:	2864.789		
Delta:	9°54'29.99" Left		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	495.417		
Tangent:	248.327		
Chord:	494.799		
Middle Ordinate:	10.703		
External:	10.743		
Tangent Direction:	S 80°30'05.38" E		
Radial Direction:	S 9°29'54.62" W		
Chord Direction:	S 85°27'20.35" E		
Radial Direction:	S 0°24'35.37" E		
Tangent Direction:	N 89°35'24.63" E		
Element: Linear			
PT (1240)	A 43623.77	142905.3265000	2151627.7003000
PI (1113)	A 44100.00	142908.7329000	2152103.9174000
Tangent Direction:	N 89°35'24.60" E		
Tangent Length:	476.229		
Element: Linear			
PI (1113)	A 44100.00	142908.7329000	2152103.9174000
PI (6247)	A 44514.61	142911.6985623	2152518.5190582
Tangent Direction:	N 89°35'24.60" E		
Tangent Length:	414.612		
Element: Linear			
PI (6247)	A 44514.61	142911.6985623	2152518.5190582
PI (6248)	A 45050.00	142915.5281143	2153053.8930971
Tangent Direction:	N 89°35'24.60" E		
Tangent Length:	535.388		
Element: Linear			
PI (6248)	A 45050.00	142915.5281143	2153053.8930971
PI (6005)	A 45566.73	142919.2241992	2153570.6083609
Tangent Direction:	N 89°35'24.60" E		
Tangent Length:	516.729		
Element: Linear			
PI (6005)	A 45566.73	142919.2241992	2153570.6083609
PI (6329)	A 46000.00	142922.3233285	2154003.8687942
Tangent Direction:	N 89°35'24.60" E		
Tangent Length:	433.272		
Element: Linear			
PI (6329)	A 46000.00	142922.3233285	2154003.8687942
PC (6105)	A 46307.99	142924.5263286	2154311.8497422
Tangent Direction:	N 89°35'24.60" E		
Tangent Length:	307.989		
Element: Circular			
PC (6105)	A 46307.99	142924.5263286	2154311.8497422
PI ( )	A 46891.34	142928.6989727	2154895.1883068
CC (6106)		85630.2125697	2154721.6782651
PT (6107)	A 47474.66	142920.9935309	2155478.4909044
Radius:	57295.780		
Delta:	1°10'00.00" Right		
Degree of Curvature(Arc):	0°06'00.00"		
Length:	1166.667		
Tangent:	583.353		
Chord:	1166.647		
Middle Ordinate:	2.969		
External:	2.970		
Tangent Direction:	N 89°35'24.60" E		
Radial Direction:	S 0°24'35.40" E		
Chord Direction:	S 89°49'35.40" E		
Radial Direction:	S 0°45'24.60" W		
Tangent Direction:	S 89°14'35.40" E		
Element: Linear			
PT (6107)	A 47474.66	142920.9935309	2155478.4909044
PI (6000)	A 48214.52	142911.2208020	2156218.2873130
Tangent Direction:	S 89°14'35.40" E		
Tangent Length:	739.861		
Element: Linear			
PI (6000)	A 48214.52	142911.2208020	2156218.2873130
POE (6052)	A 50014.57	142887.4440979	2158018.1858307
Tangent Direction:	S 89°14'35.40" E		
Tangent Length:	1800.056		

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S012

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A001
Description: NW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6400)	376+33.52	143186.1800	2145640.2073
PC. STA. (6460)	380+38.84	143172.6818	2146045.3005
Tangent Direction:	S 88°05'29.53" E		
Tangent Length:	405.32		
Element: Circular			
PC. STA. (6460)	380+38.84	143172.6818	2146045.3005
P.I. STA. ( )	381+00.14	143170.6403	2146106.5665
C.C. STA. (6441)		146035.8817	2146140.7062
P.T. STA. (6458)	381+61.42	143171.2215	2146167.8638
Radius:	2864.79		
Delta:	2°27'05.86" Left		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	122.58		
Tangent:	61.30		
Chord:	122.57		
Middle Ordinate:	0.66		
External:	0.66		
Tangent Direction:	S 88°05'29.52" E		
Radial Direction:	S 1°54'30.48" W		
Chord Direction:	S 89°19'02.45" E		
Radial Direction:	S 0°32'35.38" E		
Tangent Direction:	N 89°27'24.62" E		
Element: Linear			
P.T. STA. (6458)	381+61.42	143171.2215	2146167.8638
PC. STA. (6459)	386+28.07	143166.7977	2146634.4928
Tangent Direction:	S 89°27'24.62" E		
Tangent Length:	466.65		
Element: Circular			
PC. STA. (6459)	386+28.07	143166.7977	2146634.4928
P.I. STA. ( )	387+50.12	143167.9547	2146756.5375
C.C. STA. (6446)		148896.1183	2146580.1776
P.T. STA. (6461)	388+72.13	143174.3079	2146878.4222
Radius:	5729.58		
Delta:	2°26'26.28" Left		
Degree of Curvature(Arc):	1°00'00.00"		
Length:	244.06		
Tangent:	122.05		
Chord:	244.04		
Middle Ordinate:	1.30		
External:	1.30		
Tangent Direction:	N 89°27'24.62" E		
Radial Direction:	S 0°32'35.38" E		
Chord Direction:	N 88°14'11.48" E		
Radial Direction:	S 2°59'01.66" E		
Tangent Direction:	N 87°00'58.34" E		
Element: Linear			
P.T. STA. (6461)	388+72.13	143174.3079	2146878.4222
P.I. STA. (6439)	393+01.32	143196.6485	2147307.0260
Tangent Direction:	N 87°00'58.35" E		
Tangent Length:	429.19		
Element: Linear			
P.I. STA. (6439)	393+01.32	143196.6485	2147307.0260
PC. STA. (6468)	399+09.25	143182.2355	2147914.7851
Tangent Direction:	S 88°38'29.38" E		
Tangent Length:	607.93		
Element: Circular			
PC. STA. (6468)	399+09.25	143182.2355	2147914.78[illegible]
P.I. STA. ( )	400+04.34	143179.9811	2148[illegible]09.8505
C.C. STA. (6447)		148910.2031	2148050.6[illegible]30
P.T. STA. (6469)	400+99.42	143180.8825	2148[illegible].9383
Radius:	5729.58		
Delta:	1°54'06.00" Left		
Degree of Curvature(Arc):	1°00'00.00"		
Length:	190.17		
Tangent:	95.09		
Chord:	190.16		
Middle Ordinate:	0.79		
External:	0.79		
Tangent Direction:	S 88°38'29.38" E		
Radial Direction:	S 1°21'30.62" W		
Chord Direction:	S 89°35'32.38" E		
Radial Direction:	S 0°32'35.38" E		
Tangent Direction:	N 89°27'24.62" E		
Element: Linear			
P.T. STA. (6469)	400+99.42	143180.8825	2148104.9383
PC. STA. (6470)	420+19.84	143199.0877	2150025.2720
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	1920.42		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A001 *CONTINUED
Description: NW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6470)	420+19.84	143199.0877	2150025.2720
P.I. STA. ( )	421+66.99	143200.4825	2150172.4244
C.C. STA. (6364)		143557.1717	2150021.8780
P.T. STA. (6558)	422+99.09	143304.9437	2150276.0760
Radius:	358.10		
Delta:	44°40'47.38" Left		
Degree of Curvature(Arc):	15°59'59.78"		
Length:	279.25		
Tangent:	147.16		
Chord:	272.23		
Middle Ordinate:	26.88		
External:	29.06		
Tangent Direction:	N 89°27'25.00" E		
Radial Direction:	S 0°32'35.00" E		
Chord Direction:	N 67°07'01.31" E		
Radial Direction:	S 45°13'22.38" E		
Tangent Direction:	N 44°46'37.62" E		
Element: Linear			
P.T. STA. (6558)	422+99.09	143304.9437	2150276.0760
PC. STA. (6559)	426+85.79	143579.4435	2150548.4484
Tangent Direction:	N 44°46'37.62" E		
Tangent Length:	386.70		
Element: Circular			
PC. STA. (6559)	426+85.79	143579.4435	2150548.4484
P.I. STA. ( )	428+07.95	143666.1653	2150634.4983
C.C. STA. (6365)		143831.6717	2150294.2506
P.T. STA. (6560)	429+21.26	143787.3969	2150649.[illegible]31
Radius:	358.10		
Delta:	37°40'30.20" Left		
Degree of Curvature(Arc):	15°59'59.78"		
Length:	235.47		
Tangent:	122.17		
Chord:	231.25		
Middle Ordinate:	19.18		
External:	20.27		
Tangent Direction:	N 44°46'37.82" E		
Radial Direction:	S 45°13'22.18[illegible]		
Chord Direction:	N 25°56'22.72[illegible]		
Radial Direction:	S 82°5[illegible]38"		
Tangent Direction:	N 7[illegible]6'07[illegible]2" E		
Element: Linear			
P.T. STA. (6560)	4[illegible]+21.[illegible]	1[illegible]87.3969	2150649.6031
PC. STA. (6561)	43[illegible]60.[illegible]	[illegible]43925.3006	2150666.7851
Tangent Direction:	N [illegible]°0[illegible]62" E		
Tangent Length:	138.97		
Element: Circular			
PC. STA. (6561)	430+60.23	143925.3006	2150666.7851
P.I. STA. ( )	432+47.35	144110.9869	2150689.9205
C.C. STA. (6[illegible]56)		144280.8280	2147813.3011
P.T. STA. (6555)	434+33.94	144298.1055	2150688.7962
Radius:	2875.55		
Delta:	7°26'46.96" Left		
Degree of Curvature(Arc):	1°59'33.06"		
Length:	373.72		
Tangent:	187.12		
Chord:	373.45		
Middle Ordinate:	6.07		
External:	6.08		
Tangent Direction:	N 7°06'07.63" E		
Radial Direction:	S 82°53'52.37" E		
Chord Direction:	N 3°22'44.15" E		
Radial Direction:	N 89°39'20.67" E		
Tangent Direction:	N 0°20'39.33" W		
Element: Linear			
P.T. STA. (6555)	434+33.94	144298.1055	2150688.7962
PC. STA. (6556)	436+04.58	144468.7364	2150687.7709
Tangent Direction:	N 0°20'39.33" W		
Tangent Length:	170.63		
Element: Circular			
PC. STA. (6556)	436+04.58	144468.7364	2150687.7709
P.I. STA. ( )	436+42.83	144506.9863	2150687.5429
C.C. STA. (6367)		144457.3315	2148774.4629
P.T. STA. (6552)	436+81.07	144545.1966	2150685.7864
Radius:	1913.34		
Delta:	2°17'26.00" Left		
Degree of Curvature(Arc):	2°59'40.34"		
Length:	76.49		
Tangent:	38.25		
Chord:	76.49		
Middle Ordinate:	0.38		
External:	0.38		
Tangent Direction:	N 0°20'29.49" W		
Radial Direction:	N 89°39'30.51" E		
Chord Direction:	N 1°29'12.49" W		
Radial Direction:	N 87°22'04.51" E		
Tangent Direction:	N 2°37'55.49" W		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A001 *CONTINUED
Description: NW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6552)	436+81.07	144545.1966	2150685.7864
PC. STA. (6506)	441+12.94	144976.8538	2150672.2925
Tangent Direction:	N 1°47'25.87" W		
Tangent Length:	431.87		
Element: Circular			
PC. STA. (6506)	441+12.94	144976.8538	2150672.2925
P.I. STA. ( )	441+51.12	145014.9945	2150670.5373
C.C. STA. (6413)		145064.6501	2152580.1324
P.T. STA. (6505)	441+89.29	145053.1750	2150670.3079
Radius:	1909.86		
Delta:	2°17'26.03" Right		
Degree of Curvature(Arc):	3°00'00.00"		
Length:	76.35		
Tangent:	38.18		
Chord:	76.35		
Middle Ordinate:	0.38		
External:	0.38		
Tangent Direction:	N 2°38'05.34" W		
Radial Direction:	N 87°21'54.66" E		
Chord Direction:	N 1°29'22.33" W		
Radial Direction:	N 89°39'20.68" E		
Tangent Direction:	N 0°20'39.32" W		
Element: Linear			
P.T. STA. (6505)	441+89.29	145053.1750	2150670.3079
P.I. STA. (6504)	447+72.66	145636.5344	2150666.8028
Tangent Direction:	N 0°20'39.33" W		
Tangent Length:	583.37		
Element: Linear			
P.I. STA. (6504)	447+72.66	145636.5344	2150666.8028
PC. STA. (6507)	453+85.93	146249.7950	2150663.1180
Tangent Direction:	N 0°20'39.33" W		
Tangent Length:	613.27		
Element: Circular			
PC. STA. (6507)	453+85.93	146249.7950	2150663.1180
P.I. STA. ( )	454+66.43	146330.2904	2150662.6343
C.C. STA. (6414)		146261.2704	2152572.9425
P.T. STA. (6508)	455+46.83	146410.5411	2150668.9258
Radius:	1909.86		
Delta:	4°49'37.05" Right		
Degree of Curvature(Arc):	3°00'00.00"		
Length:	160.90		
Tangent:	80.50		
Chord:	160.85		
Middle Ordinate:	1.69		
External:	1.70		
Tangent Direction:	N 0°20'39.35" W		
Radial Direction:	N 89°39'20.65" E		
Chord Direction:	N 2°04'09.17" E		
Radial Direction:	S 85°31'02.31" E		
Tangent Direction:	N 4°28'57.69" E		
Element: Linear			
P.T. STA. (6508)	455+46.83	146410.5411	2150668.9258
PC. STA. (6536)	459+13.08	146775.6707	2150697.5511
Tangent Direction:	N 4°28'57.67" E		
Tangent Length:	366.25		
Element: Circular			
PC. STA. (6536)	459+13.08	146775.6707	2150697.5511
P.I. STA. ( )	463+76.74	147237.9132	2150733.7898
C.C. STA. (6411)		146327.8591	2156409.6023
P.T. STA. (6537)	468+38.38	147688.3138	2150843.8834
Radius:	5729.58		
Delta:	9°15'10.99" Right		
Degree of Curvature(Arc):	1°00'00.00"		
Length:	925.31		
Tangent:	463.66		
Chord:	924.30		
Middle Ordinate:	18.67		
External:	18.73		
Tangent Direction:	N 4°28'57.68" E		
Radial Direction:	S 85°31'02.32" E		
Chord Direction:	N 9°06'33.17" E		
Radial Direction:	S 76°15'51.34" E		
Tangent Direction:	N 13°44'08.66" E		
Element: Linear			
P.T. STA. (6537)	468+38.38	147688.3138	2150843.8834
PC. STA. (6538)	469+05.70	147753.7085	2150859.8681
Tangent Direction:	N 13°44'08.67" E		
Tangent Length:	67.32		

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

Preliminary Plans

PLS			POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
DRAWN			SURVEY DATA SHEET
CHECKED			
APPROVED			
CREW	POE		SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S013

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A001 *CONTINUED
Description: NW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6538)	469+05.70	147753.7085	2150859.8681
P.I. STA. ( )	469+76.46	147822.4414	2150876.6688
C.C. STA. (6412)		147889.7540	2150303.2960
P.T. STA. (6539)	470+46.50	147893.1966	2150876.2437
Radius:		572.96	
Delta:		14°04'47.99" Left	
Degree of Curvature(Arc):		9°59'59.99"	
Length:		140.80	
Tangent:		70.76	
Chord:		140.45	
Middle Ordinate:		4.32	
External:		4.35	
Tangent Direction:		N 13°44'08.66" E	
Radial Direction:		S 76°15'51.34" E	
Chord Direction:		N 6°41'44.67" E	
Radial Direction:		N 89°39'20.68" E	
Tangent Direction:		N 0°20'39.32" W	
Element: Linear			
P.T. STA. (6539)	470+46.50	147893.1966	2150876.2437
P.O.E. STA. (6540)	474+37.89	148284.5745	2150873.8921
Tangent Direction:		N 0°20'39.33" W	
Tangent Length:		391.39	

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A002
Description: NE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6546)	76+24.53	143028.0889	2151733.8449
P.I. STA. ( )	77+72.82	143027.0285	2151585.5593
C.C. STA. (6372)		143386.1797	2151731.2842
P.T. STA. (6569)	79+05.71	143131.1121	2151479.9357
Radius:		358.10	
Delta:		44°59'20.18" Right	
Degree of Curvature(Arc):		15°59'59.78"	
Length:		281.18	
Tangent:		148.29	
Chord:		274.01	
Middle Ordinate:		27.25	
External:		29.49	
Tangent Direction:		S 89°35'25.04" W	
Radial Direction:		N 0°24'34.96" W	
Chord Direction:		N 67°54'54.87" W	
Radial Direction:		N 44°34'45.22" E	
Tangent Direction:		N 45°25'14.78" W	
Element: Linear			
P.T. STA. (6569)	79+05.71	143131.1121	2151479.9357
PC. STA. (6568)	84+76.40	143526.5975	2151068.4955
Tangent Direction:		N 46°07'57.79" W	
Tangent Length:		570.69	
Element: Circular			
PC. STA. (6568)	84+76.40	143526.5975	2151068.4955
P.I. STA. ( )	86+11.17	143621.1908	2150972.5032
C.C. STA. (6371)		143781.6644	2151319.8448
P.T. STA. (6567)	87+34.20	143755.6014	2150962.6946
Radius:		358.10	
Delta:		41°14'48.62" Right	
Degree of Curvature(Arc):		15°59'59.78"	
Length:		257.79	
Tangent:		134.77	
Chord:		252.26	
Middle Ordinate:		22.95	
External:		24.52	
Tangent Direction:		N 45°25'14.14" W	
Radial Direction:		N 44°34'45.86" E	
Chord Direction:		N 24°47'49.83" W	
Radial Direction:		N 85°49'34.48" E	
Tangent Direction:		N 4°10'25.52" W	
Element: Linear			
P.T. STA. (6567)	87+34.20	143755.6014	2150962.6946
PC. STA. (6566)	89+99.38	144020.0781	2150943.3946
Tangent Direction:		N 4°10'25.33" W	
Tangent Length:		265.18	

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A002 *CONTINUED
Description: NE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6566)	89+99.38	144020.0781	2150943.3946
P.I. STA. ( )	90+95.15	144115.5961	2150936.4243
C.C. STA. (6370)		144228.5790	2153800.5872
P.T. STA. (6565)	91+90.85	144211.3663	2150935.8489
Radius:		2864.79	
Delta:		3°49'46.02" Right	
Degree of Curvature(Arc):		2°00'00.00"	
Length:		191.47	
Tangent:		95.77	
Chord:		191.44	
Middle Ordinate:		1.60	
External:		1.60	
Tangent Direction:		N 4°10'25.34" W	
Radial Direction:		N 85°49'34.66" E	
Chord Direction:		N 2°15'32.33" W	
Radial Direction:		N 89°39'20.68" E	
Tangent Direction:		N 0°20'39.32" W	
Element: Linear			
P.T. STA. (6565)	91+90.85	144211.3663	2150935.8489
PC. STA. (6564)	94+31.50	144452.0120	2150937.2948
Tangent Direction:		N 0°20'39.33" E	
Tangent Length:		240.65	
Element: Circular			
PC. STA. (6564)	94+31.50	144452.0120	2150937.2948
P.I. STA. ( )	94+95.08	144515.5946	2150936.9128
C.C. STA. (6369)		144463.4872	2152847.1203
P.T. STA. (6563)	95+58.62	144579.0617	2150940.7605
Radius:		1909.86	
Delta:		3°48'49.01" Right	
Degree of Curvature(Arc):		3°00'00.00"	
Length:		127.12	
Tangent:		63.58	
Chord:		127.10	
Middle Ordinate:		1.06	
External:		1.06	
Tangent Direction:		N 0°20'39.33" W	
Radial Direction:		N 89°39'20.67" E	
Chord Direction:		N 1°33'45.17" E	
Radial Direction:		S 86°31'[illegible]33" W	
Tangent Direction:		N 3°[illegible]8'09.[illegible]7" E	
Element: Linear			
P.T. STA. (6563)	9[illegible]58.6[illegible]	1[illegible]79.0617	2150940.7605
PC. STA. (6562)	97[illegible]2.[illegible]	[illegible]4752.2538	2150951.2604
Tangent Direction:		N [illegible]°2[illegible]67" E	
Tangent Length:		173.51	
Element: Circular			
PC. STA. (6562)	97+32.13	144752.2538	2150951.2604
P.I. STA. ( )	97+95.71	144815.8374	2150951.1984
C.C. STA. (6368)		144754.1149	2152861.1195
P.T. STA. (6526)	98+59.25	144879.2844	2150955.3656
Radius:		1909.86	
Delta:		3°48'49.01" Right	
Degree of Curvature(Arc):		3°00'00.00"	
Length:		127.12	
Tangent:		63.58	
Chord:		127.10	
Middle Ordinate:		1.06	
External:		1.06	
Tangent Direction:		N 0°03'21.00" W	
Radial Direction:		N 89°56'39.00" E	
Chord Direction:		N 1°51'03.50" E	
Radial Direction:		S 86°14'32.00" E	
Tangent Direction:		N 3°45'28.00" E	
Element: Linear			
P.T. STA. (6526)	98+59.25	144879.2844	2150955.3656
PC. STA. (6527)	102+35.73	145255.7576	2150953.1036
Tangent Direction:		N 0°20'39.33" W	
Tangent Length:		376.48	
Element: Circular			
PC. STA. (6527)	102+35.73	145255.7576	2150953.1036
P.I. STA. ( )	102+95.67	145315.6976	2150952.7434
C.C. STA. (6415)		145267.2329	2152862.9281
P.T. STA. (6532)	103+55.57	145375.5421	2150956.1427
Radius:		1909.86	
Delta:		3°35'43.01" Right	
Degree of Curvature(Arc):		3°00'00.00"	
Length:		119.84	
Tangent:		59.94	
Chord:		119.82	
Middle Ordinate:		0.94	
External:		0.94	
Tangent Direction:		N 0°20'39.33" W	
Radial Direction:		N 89°39'20.67" E	
Chord Direction:		N 1°27'12.17" E	
Radial Direction:		S 86°44'56.33" E	
Tangent Direction:		N 3°15'03.67" E	

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A002 *CONTINUED
Description: NE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6532)	103+55.57	145375.5421	2150956.1427
PC. STA. (6533)	105+52.52	145572.1751	2150967.3119
Tangent Direction:		N 3°15'03.67" E	
Tangent Length:		196.95	
Element: Circular			
PC. STA. (6533)	105+52.52	145572.1751	2150967.3119
P.I. STA. ( )	106+18.55	145638.0917	2150971.0560
C.C. STA. (6421)		145637.1605	2149823.2400
P.T. STA. (6534)	106+84.42	145704.0021	2150967.2049
Radius:		1145.92	
Delta:		6°35'41.96" Left	
Degree of Curvature(Arc):		4°59'59.99"	
Length:		131.90	
Tangent:		66.02	
Chord:		131.83	
Middle Ordinate:		1.90	
External:		1.90	
Tangent Direction:		N 3°15'03.65" E	
Radial Direction:		S 86°44'56.35" E	
Chord Direction:		N 0°02'47.33" W	
Radial Direction:		N 86°39'21.69" E	
Tangent Direction:		N 3°20'38.31" W	
Element: Linear			
P.T. STA. (6534)	106+84.42	145704.0021	2150967.2049
PC. STA. (6535)	109+46.62	145965.7557	2150951.9107
Tangent Direction:		N 3°20'38.33" W	
Tangent Length:		262.20	
Element: Circular			
PC. STA. (6535)	109+46.62	145965.7557	2150951.9107
P.I. STA. ( )	109+96.64	146015.6788	2150948.7650
C.C. STA. (6420)		146085.8607	2152857.9894
P.T. STA. (6529)	110+46.64	146065.6982	2150948.2369
Radius:		1909.86	
Delta:		3°00'02.32" Right	
Degree of Curvature(Arc):		3°00'00.00"	
Length:		100.02	
Tangent:		50.02	
Chord:		100.01	
Middle Ordinate:		0.65	
External:		0.65	
Tangent Direction:		N 3°36'19.91" W	
Radial Direction:		N 86°23'40.09" E	
Chord Direction:		N 2°06'18.75" W	
Radial Direction:		N 89°23'42.41" E	
Tangent Direction:		N 0°36'17.59" W	
Element: Linear			
P.T. STA. (6529)	110+46.64	146065.6982	2150948.2369
P.I. STA. (6530)	113+11.92	146330.9734	2150946.6430
Tangent Direction:		N 0°20'39.33" W	
Tangent Length:		265.28	
Element: Linear			
P.I. STA. (6530)	113+11.92	146330.9734	2150946.6430
P.I. STA. (6531)	115+89.26	146608.2221	2150939.5305
Tangent Direction:		N 1°28'10.33" W	
Tangent Length:		277.34	
Element: Linear			
P.I. STA. (6531)	115+89.26	146608.2221	2150939.5305
PC. STA. (6545)	116+79.37	146697.9714	2150931.5540
Tangent Direction:		N 5°04'43.68" W	
Tangent Length:		90.10	
Element: Circular			
PC. STA. (6545)	116+79.37	146697.9714	2150931.5540
P.I. STA. ( )	120+23.70	147042.2975	2150929.5169
C.C. STA. (6409)		146714.9196	2153796.2929
P.T. STA. (6544)	123+64.74	147377.2992	2151009.1314
Radius:		2864.79	
Delta:		13°42'27.10" Right	
Degree of Curvature(Arc):		2°00'00.00"	
Length:		685.38	
Tangent:		344.33	
Chord:		683.74	
Middle Ordinate:		20.47	
External:		20.62	
Tangent Direction:		N 0°20'20.28" W	
Radial Direction:		N 89°39'39.72" E	
Chord Direction:		N 6°30'53.27" E	
Radial Direction:		S 76°37'53.18" E	
Tangent Direction:		N 13°22'06.82" E	

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS		
DESCRIPTION		DATE
		5/27/2022

Preliminary Plans

PLS			POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
DRAWN			SURVEY DATA SHEET
CHECKED			
APPROVED			
CREW	POE		SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S014

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A002 *CONTINUED
Description: NE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6544)	123+64.74	147377.2992	2151009.1314
PC. STA. (6543)	128+04.01	147804.6215	2151110.8596
Tangent Direction:	N 13°23'26.03" E		
Tangent Length:	439.26		
Element: Circular			
PC. STA. (6543)	128+04.01	147804.6215	2151110.8596
P.I. STA. ( )	130+02.52	147997.8231	2151156.4506
C.C. STA. (6410)	147475.6452	2152504.9640	
P.T. STA. (6542)	131+98.51	148171.3450	2151252.8640
Radius:	1432.39		
Delta:	15°46'48.47" Right		
Degree of Curvature(Arc):	4°00'00.00"		
Length:	394.50		
Tangent:	198.51		
Chord:	393.26		
Middle Ordinate:	13.56		
External:	13.69		
Tangent Direction:	N 13°16'39.27" E		
Radial Direction:	S 76°43'20.73" E		
Chord Direction:	N 21°10'03.50" E		
Radial Direction:	S 60°56'32.26" E		
Tangent Direction:	N 29°03'27.74" E		
Element: Linear			
P.T. STA. (6542)	131+98.51	148171.3450	2151252.8640
P.O.E. STA. (6541)	133+30.53	148286.6956	2151317.0767
Tangent Direction:	N 29°06'12.80" E		
Tangent Length:	132.02		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A003
Description: SW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6401)	376+33.30	142892.2896	2145642.7792
PC. STA. (6440)	380+08.81	142919.8975	2146017.2679
Tangent Direction:	N 85°47'01.31" E		
Tangent Length:	375.51		
Element: Circular			
PC. STA. (6440)	380+08.81	142919.8975	2146017.2679
P.I. STA. ( )	381+00.67	142926.6512	2146108.8795
C.C. STA. (6449)	140062.8618	2146227.8930	
P.T. STA. (6442)	381+92.46	142927.5220	2146200.7356
Radius:	2864.79		
Delta:	3°40'23.34" Right		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	183.66		
Tangent:	91.86		
Chord:	183.63		
Middle Ordinate:	1.47		
External:	1.47		
Tangent Direction:	N 85°47'01.30" E		
Radial Direction:	S 4°12'58.70" E		
Chord Direction:	N 87°37'12.97" E		
Radial Direction:	S 0°32'35.36" E		
Tangent Direction:	N 89°27'24.64" E		
Element: Linear			
P.T. STA. (6442)	381+92.46	142927.5220	2146200.7356
PC. STA. (6443)	387+15.96	142932.4847	2146724.2120
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	523.50		
Element: Circular			
PC. STA. (6443)	387+15.96	142932.4847	2146724.2120
P.I. STA. ( )	388+00.60	142933.2871	2146808.8480
C.C. STA. (6448)	139112.9373	2146760.4221	
P.T. STA. (6445)	388+85.21	142930.3397	2146893.4365
Radius:	3819.72		
Delta:	2°32'19.60" Right		
Degree of Curvature(Arc):	1°30'00.00"		
Length:	169.25		
Tangent:	84.64		
Chord:	169.24		
Middle Ordinate:	0.94		
External:	0.94		
Tangent Direction:	N 89°27'24.63" E		
Radial Direction:	S 0°32'35.37" E		
Chord Direction:	S 89°16'25.57" E		
Radial Direction:	S 1°59'44.23" W		
Tangent Direction:	S 88°00'15.77" E		
Element: Linear			
P.T. STA. (6445)	388+85.21	142930.3397	2146893.4365
P.I. STA. (6405)	393+92.35	142912.6797	2147400.2609
Tangent Direction:	S 88°00'15.76" E		
Tangent Length:	507.13		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A003 *CONTINUED
Description: SW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.I. STA. (6405)	393+92.35	142912.6797	2147400.2609
PC. STA. (6471)	401+13.38	142944.0411	2148120.6085
Tangent Direction:	N 87°30'25.62" E		
Tangent Length:	721.03		
Element: Circular			
PC. STA. (6471)	401+13.38	142944.0411	2148120.6085
P.I. STA. ( )	401+62.12	142946.1614	2148169.3099
C.C. STA. (6462)	140081.9633	2148245.2132	
P.T. STA. (6472)	402+10.86	142946.6236	2148218.0553
Radius:	2864.79		
Delta:	1°56'58.97" Right		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	97.49		
Tangent:	48.75		
Chord:	97.48		
Middle Ordinate:	0.41		
External:	0.41		
Tangent Direction:	N 87°30'25.63" E		
Radial Direction:	S 2°29'34.37" E		
Chord Direction:	N 88°28'55.12" E		
Radial Direction:	S 0°32'35.39" E		
Tangent Direction:	N 89°27'24.61" E		
Element: Linear			
P.T. STA. (6472)	402+10.86	142946.6236	2148218.0553
PC. STA. (6473)	419+18.11	142962.8080	2149925.2286
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	1707.25		
Element: Circular			
PC. STA. (6473)	419+18.11	142962.8080	2149925.2286
P.I. STA. ( )	420+73.29	142964.2786	2150080.[illegible]67
C.C. STA. (6528)	142604.7240	2149928.6225	
P.T. STA. (6576)	422+10.97	142852.0661	2150187.[illegible]
Radius:	358.10		
Delta:	46°51'25.05" Right		
Degree of Curvature(Arc):	15°59'59.78"		
Length:	292.86		
Tangent:	155.[illegible]		
Chord:	28[illegible]		
Middle Ordinate:	29[illegible]		
External:	32.[illegible]		
Tangent Direction:	N 89[illegible]'25.[illegible]9" E		
Radial Direction:	S [illegible]32'34.[illegible]" E		
Chord Direction:	S 67°06'[illegible].3[illegible] E		
Radial Direction:	[illegible]46°1[illegible]50.1[illegible] W		
Tangent Direction:	S 3°4[illegible]09.[illegible]" E		
Element: Linear			
P.T. STA. (576[illegible])	[illegible]22+10.97	142852.0661	2150187.5772
PC. STA. ([illegible]589)	427+48.96	142470.3461	2150566.6923
Tangent Direction:	S 44°48'13.83" E		
Tangent Length:	537.99		
Element: Circular			
PC. STA. (6589)	427+48.96	142470.3461	2150566.6923
P.I. STA. ( )	428+69.64	142383.0775	2150650.0467
C.C. STA. (6510)	142223.0052	2150307.7366	
P.T. STA. (6557)	429+81.76	142263.1581	2150663.5783
Radius:	358.10		
Delta:	37°14'52.21" Right		
Degree of Curvature(Arc):	15°59'59.78"		
Length:	232.80		
Tangent:	120.68		
Chord:	228.72		
Middle Ordinate:	18.75		
External:	19.79		
Tangent Direction:	S 43°41'08.98" E		
Radial Direction:	S 46°18'51.02" W		
Chord Direction:	S 25°03'42.87" E		
Radial Direction:	S 83°33'43.24" W		
Tangent Direction:	S 6°26'16.76" E		
Element: Linear			
P.T. STA. (6557)	429+81.76	142263.1581	2150663.5783
PC. STA. (6554)	432+73.33	141973.4268	2150696.2709
Tangent Direction:	S 6°26'16.37" E		
Tangent Length:	291.57		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A003 *CONTINUED
Description: SW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6401)	376+33.30	142892.2896	2145642.7792
PC. STA. (6440)	380+08.81	142919.8975	2146017.2679
Tangent Direction:	N 85°47'01.31" E		
Tangent Length:	375.51		
Element: Circular			
PC. STA. (6440)	380+08.81	142919.8975	2146017.2679
P.I. STA. ( )	381+00.67	142926.6512	2146108.8795
C.C. STA. (6449)	140062.8618	2146227.8930	
P.T. STA. (6442)	381+92.46	142927.5220	2146200.7356
Radius:	2864.79		
Delta:	3°40'23.34" Right		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	183.66		
Tangent:	91.86		
Chord:	183.63		
Middle Ordinate:	1.47		
External:	1.47		
Tangent Direction:	N 85°47'01.30" E		
Radial Direction:	S 4°12'58.70" E		
Chord Direction:	N 87°37'12.97" E		
Radial Direction:	S 0°32'35.36" E		
Tangent Direction:	N 89°27'24.64" E		
Element: Linear			
P.T. STA. (6442)	381+92.46	142927.5220	2146200.7356
P.I. STA. (6443)	387+15.96	142932.4847	2146724.2120
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	523.50		
Element: Circular			
PC. STA. (6443)	387+15.96	142932.4847	2146724.2120
P.I. STA. ( )	388+00.60	142933.2871	2146808.8480
C.C. STA. (6448)	139112.9373	2146760.4221	
P.T. STA. (6445)	388+85.21	142930.3397	2146893.4365
Radius:	3819.72		
Delta:	2°32'19.60" Right		
Degree of Curvature(Arc):	1°30'00.00"		
Length:	169.25		
Tangent:	84.64		
Chord:	169.24		
Middle Ordinate:	0.94		
External:	0.94		
Tangent Direction:	N 89°27'24.63" E		
Radial Direction:	S 0°32'35.37" E		
Chord Direction:	S 89°16'25.57" E		
Radial Direction:	S 1°59'44.23" W		
Tangent Direction:	S 88°00'15.77" E		
Element: Linear			
P.T. STA. (6445)	388+85.21	142930.3397	2146893.4365
P.I. STA. (6405)	393+92.35	142912.6797	2147400.2609
Tangent Direction:	S 88°00'15.76" E		
Tangent Length:	507.13		
Element: Linear			
P.I. STA. (6405)	393+92.35	142912.6797	2147400.2609
PC. STA. (6471)	401+13.38	142944.0411	2148120.6085
Tangent Direction:	N 87°30'25.62" E		
Tangent Length:	721.03		
Element: Circular			
PC. STA. (6471)	401+13.38	142944.0411	2148120.6085
P.I. STA. ( )	401+62.12	142946.1614	2148169.3099
C.C. STA. (6462)	140081.9633	2148245.2132	
P.T. STA. (6472)	402+10.86	142946.6236	2148218.0553
Radius:	2864.79		
Delta:	1°56'58.97" Right		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	97.49		
Tangent:	48.75		
Chord:	97.48		
Middle Ordinate:	0.41		
External:	0.41		
Tangent Direction:	N 87°30'25.63" E		
Radial Direction:	S 2°29'34.37" E		
Chord Direction:	N 88°28'55.12" E		
Radial Direction:	S 0°32'35.39" E		
Tangent Direction:	N 89°27'24.61" E		
Element: Linear			
P.T. STA. (6472)	402+10.86	142946.6236	2148218.0553
PC. STA. (6473)	419+18.11	142962.8080	2149925.2286
Tangent Direction:	N 89°27'24.62" E		
Tangent Length:	1707.25		

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

Preliminary Plans

SDS 15 OF 46

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. 5015

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A003 *CONTINUED
Description: SW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6473)	419+18.11	142962.8080	2149925.2286
P.I. STA. ( )	420+73.29	142964.2786	2150080.3967
C.C. STA. (6528)		142604.7240	2149928.6225
P.T. STA. (6576)	422+10.97	142852.0661	2150187.5772
Radius:	358.10		
Delta:	46°51'25.05" Right		
Degree of Curvature(Arc):	15°59'59.78"		
Length:	292.86		
Tangent:	155.18		
Chord:	284.76		
Middle Ordinate:	29.52		
External:	32.18		
Tangent Direction:	N 89°27'25.09" E		
Radial Direction:	S 0°32'34.91" E		
Chord Direction:	S 67°06'52.38" E		
Radial Direction:	S 46°18'50.15" W		
Tangent Direction:	S 43°41'09.85" E		
Element: Linear			
P.T. STA. (6576)	422+10.97	142852.0661	2150187.5772
PC. STA. (6589)	427+48.96	142470.3461	2150566.6923
Tangent Direction:	S 44°48'13.83" E		
Tangent Length:	537.99		
Element: Circular			
PC. STA. (6589)	427+48.96	142470.3461	2150566.6923
P.I. STA. ( )	428+69.64	142383.0775	2150650.0467
C.C. STA. (6510)		142223.0052	2150307.7366
P.T. STA. (6557)	429+81.76	142263.1581	2150663.5783
Radius:	358.10		
Delta:	37°14'52.21" Right		
Degree of Curvature(Arc):	15°59'59.78"		
Length:	232.80		
Tangent:	120.68		
Chord:	228.72		
Middle Ordinate:	18.75		
External:	19.79		
Tangent Direction:	S 43°41'08.98" E		
Radial Direction:	S 46°18'51.02" W		
Chord Direction:	S 25°03'42.87" E		
Radial Direction:	S 83°33'43.24" W		
Tangent Direction:	S 6°26'16.76" E		
Element: Linear			
P.T. STA. (6557)	429+81.76	142263.1581	2150663.5783
PC. STA. (6554)	432+73.33	141973.4268	2150696.2709
Tangent Direction:	S 6°26'16.37" E		
Tangent Length:	291.57		
Element: Circular			
PC. STA. (6554)	432+73.33	141973.4268	2150696.2709
P.I. STA. ( )	434+21.88	141825.8207	2150712.9264
C.C. STA. (6509)		141652.2095	2147849.5462
P.T. STA. (6553)	435+70.15	141677.2836	2150714.2265
Radius:	2864.79		
Delta:	5°56'11.01" Right		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	296.82		
Tangent:	148.54		
Chord:	296.69		
Middle Ordinate:	3.84		
External:	3.85		
Tangent Direction:	S 6°26'16.38" E		
Radial Direction:	S 83°33'43.62" W		
Chord Direction:	S 3°28'10.87" E		
Radial Direction:	S 89°29'54.64" W		
Tangent Direction:	S 0°30'05.36" E		
Element: Linear			
P.T. STA. (6553)	435+70.15	141677.2836	2150714.2265
PC. STA. (6487)	443+08.82	140938.6419	2150720.6918
Tangent Direction:	S 0°30'05.37" E		
Tangent Length:	738.67		
Element: Circular			
PC. STA. (6487)	443+08.82	140938.6419	2150720.6918
P.I. STA. ( )	444+21.61	140825.8581	2150721.6789
C.C. STA. (6480)		140921.9258	2148810.9059
P.T. STA. (6488)	445+34.14	140713.7420	2150709.3845
Radius:	1909.86		
Delta:	6°45'33.99" Right		
Degree of Curvature(Arc):	3°00'00.00"		
Length:	225.31		
Tangent:	112.79		
Chord:	225.18		
Middle Ordinate:	3.32		
External:	3.33		
Tangent Direction:	S 0°30'05.36" E		
Radial Direction:	S 89°29'54.64" W		
Chord Direction:	S 2°52'41.63" W		
Radial Direction:	N 83°44'31.38" W		
Tangent Direction:	S 6°15'28.62" W		

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Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A003 *CONTINUED
Description: SW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6488)	445+34.14	140713.7420	2150709.3845
PC. STA. (6489)	447+71.07	140478.2238	2150683.5580
Tangent Direction:	S 6°15'28.63" W		
Tangent Length:	236.93		
Element: Circular			
PC. STA. (6489)	447+71.07	140478.2238	2150683.5580
P.I. STA. ( )	448+88.50	140361.4928	2150670.7574
C.C. STA. (6474)		140353.3134	2151822.6457
P.T. STA. (6490)	450+05.11	140244.5917	2150681.8990
Radius:	1145.92		
Delta:	11°42'08.01" Left		
Degree of Curvature(Arc):	4°59'59.99"		
Length:	234.04		
Tangent:	117.43		
Chord:	233.64		
Middle Ordinate:	5.97		
External:	6.00		
Tangent Direction:	S 6°15'28.64" W		
Radial Direction:	N 83°44'31.36" W		
Chord Direction:	S 0°24'24.63" W		
Radial Direction:	S 84°33'20.62" W		
Tangent Direction:	S 5°26'39.38" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A004
Description: SE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6602)	432+87.86	140350.6568	2151009.[illegible]77
PC. STA. (6601)	441+57.57	141217.7631	2151075.3830
Tangent Direction:	N 4°26'13.63" E		
Tangent Length:	869.71		
Element: Circular			
PC. STA. (6601)	441+57.57	141217.7631	2151075.38[illegible]
P.I. STA. ( )	443+16.88	141376.5912	2151087.7076
C.C. STA. (6345)		141276.8667	2150317137
P.R.C. STA. (6600)	444+71.68	141[illegible]	2151035.5257
Radius:	763.96		
Delta:	23°37'28.0[illegible] Left		
Degree of Curvature(Arc):	7[illegible]	46[illegible]	
Length:	[illegible]4.1[illegible]		
Tangent:	[illegible]1.31		
Chord:	31[illegible].90		
Middle Ordinate:	[illegible].09		
External:	[illegible]6.43		
Tangent Direction:	N [illegible]°26'[illegible].61" E		
Radial Direction:	S 8[illegible]°33'46.39" E		
Chord Direction:	N 7°20'30.39" W		
Radial Direction:	N 70°52'45.61" E		
Tangent Direction:	N 19°07'14.39" W		
Element: Circular			
P.R.C. STA. (6600)	444+71.68	141527.1081	2151035.5257
P.I. STA. ( )	445+96.92	141645.4330	2150994.5042
C.C. STA. (6344)		141777.3488	2151757.3359
P.T. STA. (6599)	447+19.94	141770.6623	2150993.4081
Radius:	763.96		
Delta:	18°37'09.04" Right		
Degree of Curvature(Arc):	7°29'59.53"		
Length:	248.26		
Tangent:	125.23		
Chord:	247.17		
Middle Ordinate:	10.06		
External:	10.20		
Tangent Direction:	N 19°07'14.39" W		
Radial Direction:	N 70°52'45.61" E		
Chord Direction:	N 9°48'39.87" W		
Radial Direction:	N 89°29'54.65" E		
Tangent Direction:	N 0°30'05.35" W		
Element: Linear			
P.T. STA. (6599)	447+19.94	141770.6623	2150993.4081
PC. STA. (6598)	451+06.07	142156.7775	2150990.0285
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	386.13		
Element: Circular			
PC. STA. (6598)	451+06.07	142156.7775	2150990.0285
P.I. STA. ( )	453+05.57	142356.2692	2150988.2824
C.C. STA. (6341)		142160.7894	2151448.3809
P.T. STA. (6594)	454+82.40	142493.4960	2151133.0884
Radius:	458.37		
Delta:	47°02'27.11" Right		
Degree of Curvature(Arc):	12°29'59.63"		
Length:	376.33		
Tangent:	199.50		
Chord:	365.85		
Middle Ordinate:	38.08		
External:	41.53		
Tangent Direction:	N 0°30'05.37" W		
Radial Direction:	N 89°29'54.63" E		
Chord Direction:	N 23°01'08.18" E		
Radial Direction:	S 43°27'38.26" E		
Tangent Direction:	N 46°32'21.74" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A004 *CONTINUED
Description: SE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6594)	454+82.40	142493.4960	2151133.0884
PC. STA. (6593)	457+09.27	142649.5476	2151297.7635
Tangent Direction:	N 46°32'24.60" E		
Tangent Length:	226.87		
Element: Circular			
PC. STA. (6593)	457+09.27	142649.5476	2151297.7635
P.I. STA. ( )	458+90.06	142773.9006	2151428.9884
C.C. STA. (6343)		142316.8366	2151613.0514
P.T. STA. (6586)	460+53.67	142775.1949	2151609.7699
Radius:	458.37		
Delta:	43°02'58.73" Right		
Degree of Curvature(Arc):	12°29'59.63"		
Length:	344.40		
Tangent:	180.79		
Chord:	336.36		
Middle Ordinate:	31.97		
External:	34.36		
Tangent Direction:	N 46°32'24.60" E		
Radial Direction:	S 43°27'35.40" E		
Chord Direction:	N 68°03'53.96" E		
Radial Direction:	S 0°24'36.67" E		
Tangent Direction:	N 89°35'23.33" E		
Element: Linear			
P.T. STA. (6586)	460+53.67	142775.1949	2151609.7699
PC. STA. (6578)	469+86.31	142781.8660	2152542.3861
Tangent Direction:	N 89°35'24.60" E		
Tangent Length:	932.64		
Element: Circular			
PC. STA. (6578)	469+86.31	142781.8660	2152542.3861
P.I. STA. ( )	472+93.36	142784.0622	2152849.4253
C.C. STA. (6336)		141635.9753	2152550.5827
P.T. STA. (6577)	475+86.31	142632.4452	2153116.4276
Radius:	1145.92		
Delta:	29°59'59.58" Right		
Degree of Curvature(Arc):	4°59'59.93"		
Length:	600.00		
Tangent:	307.05		
Chord:	593.17		
Middle Ordinate:	39.05		
External:	40.42		
Tangent Direction:	N 89°35'24.60" E		
Radial Direction:	S 0°24'35.40" E		
Chord Direction:	S 75°24'35.61" E		
Radial Direction:	S 29°35'24.18" W		
Tangent Direction:	S 60°24'35.82" E		
Element: Linear			
P.T. STA. (6577)	475+86.31	142632.4452	2153116.4276
P.O.E. STA. (6574)	478+93.21	142480.9001	2153383.2928
Tangent Direction:	S 60°24'32.44" E		
Tangent Length:	306.89		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A005
Description: RAMP NW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Clothoid			
T.S. STA. (6685)	419+66.88	143140.8879	2149983.1129
S.P.I. STA. (6300)	420+67.31	143141.8263	2150083.5366
S.C. STA. (6686)	421+17.17	143152.7655	2150132.6419
Entrance Radius:	0.00		
Exit Radius:	358.10		
Length:	150.29		
Angle:	12°01'24.23" Left		
Constant:	231.99		
Long Tangent:	100.43		
Short Tangent:	50.31		
Long Chord:	150.00		
Xs:	149.63		
Ys:	10.48		
P:	2.62		
K:	75.04		
Tangent Direction:	N 89°27'52.71" E		
Radial Direction:	S 0°32'07.29" E		
Chord Direction:	N 85°27'30.03" E		
Radial Direction:	S 12°33'31.51" E		
Tangent Direction:	N 77°26'28.49" E		

Preliminary Plans

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903(206) SHEET NO. 5016

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A005 *CONTINUED
Description: RAMP NW of I-240
Style: Default

		STATION	NORTHING	EASTING
Element: Clothoid				
C.S. STA.	(6687)	422+46.42	143202.7522	2150251.0751
S.P.I. STA.	(6301)	422+96.73	143230.3049	2150293.1685
S.T. STA.	(6688)	423+96.72	143301.6035	2150363.8955

Entrance Radius: 358.10
Exit Radius: 0.00
Length: 150.29
Angle: 12°01'24.22" Left
Constant: 231.99
Long Tangent: 100.43
Short Tangent: 50.31
Long Chord: 150.00
Xs: 149.63
Ys: 10.48
P: 2.62
K: 75.04
Tangent Direction: N 56°47'34.07" E
Radial Direction: S 33°12'25.93" E
Chord Direction: N 48°46'32.55" E
Radial Direction: S 45°13'50.14" E
Tangent Direction: N 44°46'09.86" E

Element: Linear				
S.T. STA.	(6688)	423+96.72	143301.6035	2150363.8955
T.S. STA.	(6695)	427+32.09	143556.3197	2150582.0510

Tangent Direction: N 40°34'44.03" E
Tangent Length: 335.37

Element: Clothoid				
T.S. STA.	(6695)	427+32.09	143556.3197	2150582.0510
S.P.I. STA.	(6302)	428+32.51	143627.6006	2150652.7958
S.C. STA.	(6694)	428+82.38	143669.9076	2150680.0193

Entrance Radius: 0.00
Exit Radius: 358.10
Length: 150.29
Angle: 12°01'24.18" Left
Constant: 231.99
Long Tangent: 100.43
Short Tangent: 50.31
Long Chord: 150.00
Xs: 149.63
Ys: 10.48
P: 2.62
K: 75.04
Tangent Direction: N 44°47'01.42" E
Radial Direction: S 45°12'58.58" E
Chord Direction: N 40°46'38.74" E
Radial Direction: S 57°14'22.77" E
Tangent Direction: N 32°45'37.23" E

Element: Circular				
S.C. STA.	(6694)	428+82.38	143669.9076	2150680.0193
P.I. STA.	( )	429+49.14	143726.0371	2150716.1588
C.C. STA.	(6399)		143863.7661	2150378.9305
C.S. STA.	(6693)	430+14.38	143791.4181	2150729.6460

Radius: 358.10
Delta: 21°07'11.73" Left
Degree of Curvature(Arc): 15°59'59.78"
Length: 132.00
Tangent: 66.76
Chord: 131.25
Middle Ordinate: 6.06
External: 6.17
Tangent Direction: N 32°46'32.87" E
Radial Direction: S 57°13'27.13" E
Chord Direction: N 22°12'57.00" E
Radial Direction: S 78°20'38.87" E
Tangent Direction: N 11°39'21.13" E

Element: Clothoid				
C.S. STA.	(6693)	430+14.38	143791.4181	2150729.6460
S.P.I. STA.	(6303)	430+64.69	143840.6869	2150739.8235
S.T. STA.	(6692)	431+64.67	143941.1131	2150739.2063

Entrance Radius: 358.10
Exit Radius: 0.00
Length: 150.29
Angle: 12°01'24.69" Left
Constant: 231.99
Long Tangent: 100.43
Short Tangent: 50.31
Long Chord: 150.00
Xs: 149.63
Ys: 10.48
P: 2.62
K: 75.04
Tangent Direction: N 11°40'17.11" E
Radial Direction: S 78°19'42.89" E
Chord Direction: N 3°39'15.26" E
Radial Direction: N 89°38'52.42" E
Tangent Direction: N 0°21'07.58" W

SDS 17 OF 46

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A005 *CONTINUED
Description: RAMP NW of I-240
Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
S.T. STA.	(6692)	431+64.67	143941.1131	2150739.2063
PC. STA.	(6691)	432+11.57	143988.0122	2150738.9245

Tangent Direction: N 0°20'39.33" W
Tangent Length: 46.90

Element: Circular				
PC. STA.	(6691)	432+11.57	143988.0122	2150738.9245
P.I. STA.	( )	432+79.92	144056.3571	2150738.5139
C.C. STA.	(6398)		143997.7548	2152360.4853
P.T. STA.	(6690)	433+48.18	144124.4942	2150743.8557

Radius: 1621.59
Delta: 4°49'36.85" Right
Degree of Curvature(Arc): 3°31'59.91"
Length: 136.61
Tangent: 68.35
Chord: 136.57
Middle Ordinate: 1.44
External: 1.44
Tangent Direction: N 0°20'39.25" W
Radial Direction: N 89°39'20.75" E
Chord Direction: N 2°04'09.17" E
Radial Direction: S 85°31'02.41" E
Tangent Direction: N 4°28'57.59" E

Element: Linear				
P.T. STA.	(6690)	433+48.18	144124.4942	2150743.8557
P.I. STA.	(6689)	436+36.11	144411.5434	2150766.3597

Tangent Direction: N 4°28'57.67" E
Tangent Length: 287.93

Element: Linear				
P.I. STA.	(6689)	436+36.11	144411.5434	2150766.[illegible]
P.I. STA.	(6511)	437+86.11	144561.4456	2150771.7757

Tangent Direction: N 2°04'09.17" E
Tangent Length: 150.00

Element: Linear				
P.I. STA.	(6511)	437+86.11	144561.4456	2150771.7[illegible]
P.I. STA.	(6512)	437+90.78	144566.1155	2150771.747[illegible]

Tangent Direction: N 0°20'39.33" W
Tangent Length: 4.[illegible]

Element: Linear				
P.I. STA.	(6512)	437+90.[illegible]	144[illegible]6.1155	2[illegible]0771.7476
PC. STA.	(6513)	440+9[illegible]12	448[illegible].2658	2[illegible]0754.5384

Tangent Direction: N 3°15'35.[illegible]" W
Tangent Length: 30.64

Element: Circular				
PC. STA.	(6513)	440[illegible]3.4[illegible]	144868.2658	2150754.5384
P.I. STA.	(	441+51.[illegible]3	144926.3742	2150751.2287
C.C. STA.	(63[illegible])		144705.3631	2147894.3847
P.T. STA.	(651[illegible])	442+09.81	144984.3001	2150745.5617

Radius: 2864.79
Delta: 2°19'40.01" Left
Degree of Curvature(Arc): 2°00'00.00"
Length: 116.39
Tangent: 58.20
Chord: 116.38
Middle Ordinate: 0.59
External: 0.59
Tangent Direction: N 3°15'35.33" W
Radial Direction: N 86°44'24.67" E
Chord Direction: N 4°25'25.33" W
Radial Direction: N 84°24'44.67" E
Tangent Direction: N 5°35'15.33" W

Element: Linear				
P.T. STA.	(6514)	442+09.81	144984.3001	2150745.5617
PC. STA.	(6515)	445+63.55	145336.3593	2150711.1190

Tangent Direction: N 5°35'15.33" W
Tangent Length: 353.74

Element: Circular				
PC. STA.	(6515)	445+63.55	145336.3593	2150711.1190
P.I. STA.	( )	445+69.04	145341.8198	2150710.5847
C.C. STA.	(6331)		145333.9250	2150686.2378
P.T. STA.	(6516)	445+74.35	145346.5547	2150707.8130

Radius: 25.00
Delta: 24°45'21.47" Left
Degree of Curvature(Arc): 229°10'59.22"
Length: 10.80
Tangent: 5.49
Chord: 10.72
Middle Ordinate: 0.58
External: 0.59
Tangent Direction: N 5°35'16.64" W
Radial Direction: N 84°24'43.36" E
Chord Direction: N 17°57'57.38" W
Radial Direction: N 59°39'21.88" E
Tangent Direction: N 30°20'38.12" W

Element: Linear				
P.T. STA.	(6516)	445+74.35	145346.5547	2150707.8130
P.O.E. STA.	(6517)	445+88.86	145359.0769	2150700.4826

Tangent Direction: N 30°20'39.33" W
Tangent Length: 14.51

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A006
Description: RAMP NE of I-240
Style: Default

		STATION	NORTHING	EASTING
Element: Clothoid				
T.S. STA.	(6711)	79+34.35	142961.8980	2151777.2995
S.P.I. STA.	(6312)	80+34.78	142961.1659	2151676.8741
S.C. STA.	(6710)	80+84.64	142971.2870	2151627.5936

Entrance Radius: 0.00
Exit Radius: 358.10
Length: 150.29
Angle: 12°01'24.49" Right
Constant: 231.99
Long Tangent: 100.43
Short Tangent: 50.31
Long Chord: 150.00
Xs: 149.63
Ys: 10.48
P: 2.62
K: 75.04
Tangent Direction: S 89°34'56.41" W
Radial Direction: N 0°25'03.59" W
Chord Direction: N 86°24'40.81" W
Radial Direction: N 11°36'20.90" E
Tangent Direction: N 78°23'39.10" W

Element: Circular				
S.C. STA.	(6710)	80+84.64	142971.2870	2151627.5936
P.I. STA.	( )	81+50.98	142984.6150	2151562.6074
C.C. STA.	(6304)		143322.0853	2151699.5388
C.S. STA.	(6709)	82+15.83	143020.3373	2151506.7079

Radius: 358.10
Delta: 20°59'25.39" Right
Degree of Curvature(Arc): 15°59'59.78"
Length: 131.19
Tangent: 66.34
Chord: 130.46
Middle Ordinate: 5.99
External: 6.09
Tangent Direction: N 78°24'35.76" W
Radial Direction: N 11°35'24.24" E
Chord Direction: N 67°54'53.07" W
Radial Direction: N 32°34'49.62" E
Tangent Direction: N 57°25'10.38" W

Element: Clothoid				
C.S. STA.	(6709)	82+15.83	143020.3373	2151506.7079
S.P.I. STA.	(6313)	82+66.14	143047.4163	2151464.3082
S.T. STA.	(6708)	83+66.13	143117.9174	2151392.7863

Entrance Radius: 358.10
Exit Radius: 0.00
Length: 150.29
Angle: 12°01'24.49" Right
Constant: 231.99
Long Tangent: 100.43
Short Tangent: 50.31
Long Chord: 150.00
Xs: 149.63
Ys: 10.48
P: 2.62
K: 75.04
Tangent Direction: N 57°26'07.04" W
Radial Direction: N 32°33'52.96" E
Chord Direction: N 49°25'05.33" W
Radial Direction: N 44°35'17.45" E
Tangent Direction: N 45°24'42.55" W

Element: Linear				
S.T. STA.	(6708)	83+66.13	143117.9174	2151392.7863
T.S. STA.	(6707)	88+30.10	143443.5820	2151062.3159

Tangent Direction: N 45°25'10.74" W
Tangent Length: 463.97

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
EASTING	5/27/2022

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S017

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A006 *CONTINUED
Description: RAMP NE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Clothoid			
T.S. STA. (6707)	88+30.10	143443.5820	2151062.3159
S.P.I. STA. (6314)	89+30.53	143514.0636	2150990.7747
S.C. STA. (6706)	89+80.39	143556.0621	2150963.0776

Entrance Radius: 0.00
Exit Radius: 358.10
Length: 150.29
Angle: 12°01'24.49" Right
Constant: 231.99
Long Tangent: 100.43
Short Tangent: 50.31
Long Chord: 150.00
Xs: 149.63
Ys: 10.48
P: 2.62
K: 75.04
Tangent Direction: N 45°25'38.93" W
Radial Direction: N 44°34'21.07" E
Chord Direction: N 41°25'16.15" W
Radial Direction: N 56°35'45.56" E
Tangent Direction: N 33°24'14.44" W

	STATION	NORTHING	EASTING
Element: Circular			
S.C. STA. (6706)	89+80.39	143556.0621	2150963.0776
P.I. STA. ( )	90+47.01	143611.6654	2150926.3862
C.C. STA. (6305)		143753.2930	2151261.9681
C.S. STA. (6705)	91+12.12	143676.7437	2150912.1456

Radius: 358.10
Delta: 21°04'36.47" Right
Degree of Curvature(Arc): 15°59'59.78"
Length: 131.73
Tangent: 66.62
Chord: 130.99
Middle Ordinate: 6.04
External: 6.14
Tangent Direction: N 33°25'11.64" W
Radial Direction: N 56°34'48.36" E
Chord Direction: N 22°52'53.41" W
Radial Direction: N 77°39'24.82" E
Tangent Direction: N 12°20'35.18" W

	STATION	NORTHING	EASTING
Element: Clothoid			
C.S. STA. (6705)	91+12.12	143676.7437	2150912.1456
S.P.I. STA. (6315)	91+62.43	143725.8868	2150901.3776
S.T. STA. (6704)	92+62.42	143826.3132	2150900.7895

Entrance Radius: 358.10
Exit Radius: 0.00
Length: 150.29
Angle: 12°01'24.49" Right
Constant: 231.99
Long Tangent: 100.43
Short Tangent: 50.31
Long Chord: 150.00
Xs: 149.63
Ys: 10.48
P: 2.62
K: 75.04
Tangent Direction: N 12°21'32.38" W
Radial Direction: N 77°38'27.62" E
Chord Direction: N 4°20'30.67" W
Radial Direction: N 89°39'52.11" E
Tangent Direction: N 0°20'07.89" W

	STATION	NORTHING	EASTING
Element: Linear			
S.T. STA. (6704)	92+62.42	143826.3132	2150900.7895
PC. STA. (6703)	92+68.87	143832.7631	2150900.7508

Tangent Direction: N 0°20'36.08" W
Tangent Length: 6.45

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6703)	92+68.87	143832.7631	2150900.7508
P.I. STA. ( )	93+36.35	143899.7346	2150892.4278
C.C. STA. (6306)		143974.0876	2152037.9228
P.T. STA. (6702)	94+03.68	143967.2201	2150892.0234

Radius: 1145.92
Delta: 6°44'27.10" Right
Degree of Curvature(Arc): 4°59'59.93"
Length: 134.82
Tangent: 67.49
Chord: 134.74
Middle Ordinate: 1.98
External: 1.99
Tangent Direction: N 7°05'03.26" W
Radial Direction: N 82°54'56.74" E
Chord Direction: N 3°42'49.71" W
Radial Direction: N 89°39'23.84" E
Tangent Direction: N 0°20'36.16" W

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A006 *CONTINUED
Description: RAMP NE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6702)	94+03.68	143967.2201	2150892.0234
PC. STA. (6701)	94+58.50	144021.6216	2150885.2625

Tangent Direction: N 7°05'03.33" W
Tangent Length: 54.82

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6701)	94+58.50	144021.6216	2150885.2625
P.I. STA. ( )	95+57.74	144120.0961	2150873.0243
C.C. STA. (6307)		144229.4516	2152557.5676
P.T. STA. (6697)	96+56.74	144219.3265	2150872.4281

Radius: 1685.17
Delta: 6°44'24.00" Right
Degree of Curvature(Arc): 3°24'00.00"
Length: 198.24
Tangent: 99.23
Chord: 198.12
Middle Ordinate: 2.91
External: 2.92
Tangent Direction: N 7°05'03.33" W
Radial Direction: N 82°54'56.67" E
Chord Direction: N 3°42'51.33" W
Radial Direction: N 89°39'20.67" E
Tangent Direction: N 0°20'39.33" W

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6697)	96+56.74	144219.3265	2150872.4281
PC. STA. (6696)	96+80.21	144242.7960	2150872.2870

Tangent Direction: N 0°20'39.33" W
Tangent Length: 23.47

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6696)	96+80.21	144242.7960	2150872.2870
P.I. STA. ( )	97+47.51	144309.8469	2150866.5[illegible]
C.C. STA. (6308)		144387.2696	2152551.2526
P.T. STA. (6712)	98+14.74	144377.1442	2150866.1130

Radius: 1685.17
Delta: 4°34'25.95" Right
Degree of Curvature(Arc): 3°24'00.00"
Length: 134.5[illegible]
Tangent: 6[illegible]
Chord: 134[illegible]9
Middle Ordinate: 1.[illegible]
External: 1.3[illegible]
Tangent Direction: N 4°55'05.[illegible]" W
Radial Direction: N 85°04'[illegible]" E
Chord Direction: 2°3[illegible]52.3[illegible]" W
Radial Direction: N 9°3[illegible]20.[illegible]" E
Tangent Direction: N [illegible]°20'[illegible]36" W

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6712)	98+14.74	144377.1442	2150866.1130
PC. STA. (6713)	98+30.62	144392.9658	2150864.7516

Tangent Direction: N 4°55'05.33" W
Tangent Length: 15.88

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6713)	98+30.62	144392.9658	2150864.7516
P.I. STA. ( )	98+97.91	144460.0166	2150858.9819
C.C. STA. (6309)		144537.4394	2152543.7171
P.T. STA. (6714)	99+65.14	144527.3140	2150858.5775

Radius: 1685.17
Delta: 4°34'25.95" Right
Degree of Curvature(Arc): 3°24'00.00"
Length: 134.53
Tangent: 67.30
Chord: 134.49
Middle Ordinate: 1.34
External: 1.34
Tangent Direction: N 4°55'05.30" W
Radial Direction: N 85°04'54.70" E
Chord Direction: N 2°37'52.33" W
Radial Direction: N 89°39'20.64" E
Tangent Direction: N 0°20'39.36" W

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6714)	99+65.14	144527.3140	2150858.5775
PC. STA. (6715)	99+74.05	144536.2236	2150858.4981

Tangent Direction: N 0°30'39.33" W
Tangent Length: 8.91

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A006 *CONTINUED
Description: RAMP NE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6715)	99+74.05	144536.2236	2150858.4981
P.I. STA. ( )	100+57.84	144620.0121	2150857.9946
C.C. STA. (6310)		144547.6990	2152768.3236
P.T. STA. (6716)	101+41.52	144703.5228	2150864.8310

Radius: 1909.86
Delta: 5°01'27.04" Right
Degree of Curvature(Arc): 3°00'00.00"
Length: 167.47
Tangent: 83.79
Chord: 167.42
Middle Ordinate: 1.84
External: 1.84
Tangent Direction: N 0°20'39.35" W
Radial Direction: N 89°39'20.65" E
Chord Direction: N 2°10'04.17" E
Radial Direction: S 85°19'12.31" E
Tangent Direction: N 4°40'47.69" E

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6716)	101+41.52	144703.5228	2150864.8310
PC. STA. (6717)	106+97.35	145257.4997	2150910.1806

Tangent Direction: N 4°40'47.67" E
Tangent Length: 555.83

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6717)	106+97.35	145257.4997	2150910.1806
P.I. STA. ( )	107+02.89	145263.0183	2150910.6323
C.C. STA. (6311)		145255.4601	2150935.0973
P.T. STA. (6718)	107+08.25	145267.8300	2150913.3720

Radius: 25.00
Delta: 24°58'35.66" Right
Degree of Curvature(Arc): 229°10'59.22"
Length: 10.90
Tangent: 5.54
Chord: 10.81
Middle Ordinate: 0.59
External: 0.61
Tangent Direction: N 4°40'46.34" E
Radial Direction: S 85°19'13.66" E
Chord Direction: N 17°10'04.17" E
Radial Direction: S 60°20'38.00" E
Tangent Direction: N 29°39'22.00" E

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6718)	107+08.25	145267.8300	2150913.3720
P.O.E. STA. (6719)	107+22.71	145280.3959	2150920.5266

Tangent Direction: N 29°39'20.67" E
Tangent Length: 14.46

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A007
Description: RAMP SW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6503)	55+77.56	140595.8439	2150729.2354
PC. STA. (6502)	55+90.86	140606.5685	2150737.1013

Tangent Direction: N 36°15'28.63" E
Tangent Length: 13.30

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6502)	55+90.86	140606.5685	2150737.1013
P.I. STA. ( )	55+97.56	140611.9701	2150741.0631
C.C. STA. (6491)		140621.3541	2150716.9423
P.T. STA. (6501)	56+03.95	140618.6290	2150741.7933

Radius: 25.00
Delta: 30°00'00.41" Left
Degree of Curvature(Arc): 229°10'59.22"
Length: 13.09
Tangent: 6.70
Chord: 12.94
Middle Ordinate: 0.85
External: 0.88
Tangent Direction: N 36°15'28.83" E
Radial Direction: S 53°44'31.17" E
Chord Direction: N 21°15'28.63" E
Radial Direction: S 83°44'31.57" E
Tangent Direction: N 6°15'28.43" E

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6501)	56+03.95	140618.6290	2150741.7933
PC. STA. (6500)	57+74.98	140788.6398	2150760.4364

Tangent Direction: N 6°15'28.63" E
Tangent Length: 171.03

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS		
DESCRIPTION		DATE
		5/27/2022

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. 5018

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A007 *CONTINUED
Description: RAMP SW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6500)	57+74.98	140788.6398	2150760.4364
P.I. STA. ( )	58+07.69	140821.1520	2150764.0016
C.C. STA. (6486)	140944.7777	2149336.5777	
P.T. STA. (6499)	58+40.38	140853.7929	2150766.0791
Radius:	1432.39		
Delta:	2°36'57.99" Left		
Degree of Curvature(Arc):	4°00'00.00"		
Length:	65.40		
Tangent:	32.71		
Chord:	65.40		
Middle Ordinate:	0.37		
External:	0.37		
Tangent Direction:	N 6°15'28.62" E		
Radial Direction:	S 83°44'31.38" E		
Chord Direction:	N 4°56'59.63" E		
Radial Direction:	S 86°21'29.36" E		
Tangent Direction:	N 3°38'30.64" E		
Element: Linear			
P.T. STA. (6499)	58+40.38	140853.7929	2150766.0791
PC. STA. (6684)	62+39.89	141252.4962	2150791.4558
Tangent Direction:	N 3°38'30.63" E		
Tangent Length:	399.51		
Element: Circular			
PC. STA. (6684)	62+39.89	141252.4962	2150791.4558
P.I. STA. ( )	63+08.98	141321.4423	2150795.8440
C.C. STA. (6386)	141373.8091	2148885.4535	
P.T. STA. (6679)	63+78.00	141390.5253	2150795.2394
Radius:	1909.86		
Delta:	4°08'36.00" Left		
Degree of Curvature(Arc):	3°00'00.00"		
Length:	138.11		
Tangent:	69.09		
Chord:	138.08		
Middle Ordinate:	1.25		
External:	1.25		
Tangent Direction:	N 3°38'30.63" E		
Radial Direction:	S 86°21'29.37" E		
Chord Direction:	N 1°34'12.63" E		
Radial Direction:	N 89°29'54.63" E		
Tangent Direction:	N 0°30'05.37" W		
Element: Linear			
P.T. STA. (6679)	63+78.00	141390.5253	2150795.2394
P.I. STA. (6678)	63+87.39	141399.9150	2150795.1572
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	9.39		
Element: Linear			
P.I. STA. (6678)	63+87.39	141399.9150	2150795.1572
P.I. STA. (6677)	65+30.33	141542.7016	2150788.5582
Tangent Direction:	N 2°38'45.87" W		
Tangent Length:	142.94		
Element: Linear			
P.I. STA. (6677)	65+30.33	141542.7016	2150788.5582
PC. STA. (6680)	65+47.74	141560.0507	2150787.1042
Tangent Direction:	N 4°47'26.37" W		
Tangent Length:	17.41		
Element: Circular			
PC. STA. (6680)	65+47.74	141560.0507	2150787.1042
P.I. STA. ( )	66+19.26	141631.3205	2150781.1312
C.C. STA. (6387)	141719.5534	2152690.291[illegible]	
P.T. STA. (6681)	66+90.72	141702.8373	215[illegible]0.50[illegible]
Radius:	1909.86		
Delta:	4°17'21.02" Right		
Degree of Curvature(Arc):	3°00'00.00"		
Length:	142.97		
Tangent:	71.52		
Chord:	142.94		
Middle Ordinate:	1.34		
External:	1.34		
Tangent Direction:	N 4°47'26.38" W		
Radial Direction:	N 85°12'33.62" E		
Chord Direction:	N 2°38'45.87" W		
Radial Direction:	N 89°29'54.64" E		
Tangent Direction:	N 0°30'05.36" W		
Element: Linear			
P.T. STA. (6681)	66+90.72	141702.8373	2150780.5052
P.I. STA. (6676)	67+09.84	141721.9566	2150780.3379
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	19.12		
Element: Linear			
P.I. STA. (6676)	67+09.84	141721.9566	2150780.3379
P.I. STA. (6675)	69+07.66	141919.4218	2150768.3633
Tangent Direction:	N 3°28'12.87" W		
Tangent Length:	197.83		
Element: Linear			
P.I. STA. (6675)	69+07.66	141919.4218	2150768.3633
PC. STA. (6682)	69+93.94	142005.1576	2150758.6874
Tangent Direction:	N 6°26'20.37" W		
Tangent Length:	86.28		

SDS 19 OF 46

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A007 *CONTINUED
Description: RAMP SW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6682)	69+93.94	142005.1576	2150758.6874
P.I. STA. ( )	70+59.97	142070.7722	2150751.2824
C.C. STA. (6389)	142147.9451	2152023.8957	
P.T. STA. (6683)	71+25.89	142136.8008	2150750.7044
Radius:	1273.24		
Delta:	5°56'14.93" Right		
Degree of Curvature(Arc):	4°29'59.99"		
Length:	131.94		
Tangent:	66.03		
Chord:	131.88		
Middle Ordinate:	1.71		
External:	1.71		
Tangent Direction:	N 6°26'20.33" W		
Radial Direction:	N 83°33'39.67" E		
Chord Direction:	N 3°28'12.87" W		
Radial Direction:	N 89°29'54.59" E		
Tangent Direction:	N 0°30'05.41" W		
Element: Linear			
P.T. STA. (6683)	71+25.89	142136.8008	2150750.7044
T.S. STA. (6674)	71+42.21	142153.1201	2150750.5616
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	16.32		
Element: Clothoid			
T.S. STA. (6674)	71+42.21	142153.1201	2150750.5616
S.P.I. STA. (6395)	72+42.64	142253.5445	2150749.6963
S.C. STA. (6673)	72+92.50	142302.6577	2150738.7928
Entrance Radius:	0.00		
Exit Radius:	358.10		
Length:	150.29		
Angle:	12°01'24.49" Left		
Constant:	231.99		
Long Tangent:	100.43		
Short Tangent:	50.31		
Long Chord:	150.00		
Xs:	149.63		
Ys:	10.48		
P:	2.62		
K:	75.[illegible]		
Tangent Direction:	N 0°29'37.18[illegible]		
Radial Direction:	N 89°30'22.82[illegible]		
Chord Direction:	N 4°2[illegible]96"		
Radial Direction:	N 77[illegible]8'58[illegible]3" E		
Tangent Direction:	N 12[illegible]31'01[illegible]" W		
Element: Circular			
S.C. STA. (6[illegible]3)	72+9[illegible]50	142302.6577	2150738.7928
P.I. STA. ([illegible]	73+53.3[illegible]	142362.0345	2150725.6767
C.C. STA (639[illegible]		142225.4172	2150389.1222
C.S [illegible] ([illegible]672)	74+12.97	142413.7535	2150693.6957
Radi[illegible]:		358.10	
[illegible]elta:	19°16'28.87" Left		
D[illegible]ee of Cu[illegible]ature(Arc):	15°59'59.78"		
Length:	120.47		
Tangent:	60.81		
Chord:	119.90		
Middle Ordinate:	5.05		
External:	5.13		
Tangent Direction:	N 12°27'22.77" W		
Radial Direction:	N 77°32'37.23" E		
Chord Direction:	N 22°05'37.20" W		
Radial Direction:	N 58°16'08.37" E		
Tangent Direction:	N 31°43'51.63" W		
Element: Clothoid			
C.S. STA. (6672)	74+12.97	142413.7535	2150693.6957
S.P.I. STA. (6394)	74+63.28	142456.5707	2150667.2820
S.T. STA. (6671)	75+63.26	142529.1846	2150597.9061
Entrance Radius:	358.10		
Exit Radius:	0.00		
Length:	150.29		
Angle:	12°01'24.49" Left		
Constant:	231.99		
Long Tangent:	100.43		
Short Tangent:	50.31		
Long Chord:	150.00		
Xs:	149.63		
Ys:	10.48		
P:	2.62		
K:	75.04		
Tangent Direction:	N 31°40'12.73" W		
Radial Direction:	N 58°19'47.27" E		
Chord Direction:	N 39°41'14.44" W		
Radial Direction:	N 46°18'22.78" E		
Tangent Direction:	N 43°41'37.22" W		
Element: Linear			
S.T. STA. (6671)	75+63.26	142529.1846	2150597.9061
T.S. STA. (6670)	80+25.58	142863.3533	2150278.4218
Tangent Direction:	N 43°42'47.01" W		
Tangent Length:	462.32		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A007 *CONTINUED
Description: RAMP SW of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Clothoid			
T.S. STA. (6670)	80+25.58	142863.3533	2150278.4218
S.P.I. STA. (6393)	81+26.01	142935.9859	2150209.0654
S.C. STA. (6660)	81+75.88	142964.3351	2150167.5044
Entrance Radius:	0.00		
Exit Radius:	358.10		
Length:	150.29		
Angle:	12°01'24.49" Left		
Constant:	231.99		
Long Tangent:	100.43		
Short Tangent:	50.31		
Long Chord:	150.00		
Xs:	149.63		
Ys:	10.48		
P:	2.62		
K:	75.04		
Tangent Direction:	N 43°40'41.53" W		
Radial Direction:	N 46°19'18.47" E		
Chord Direction:	N 47°41'04.31" W		
Radial Direction:	N 34°17'53.98" E		
Tangent Direction:	N 55°42'06.02" W		
Element: Circular			
S.C. STA. (6660)	81+75.88	142964.3351	2150167.5044
P.I. ST[illegible] ( )	82+48.81	143005.5397	2150107.3216
C.C. [illegible]A. (6391)		142668.8542	2149965.2011
C.S. [illegible]A. (6659)	83+19.78	143019.9226	2150035.8169
[illegible]Radius:	358.10		
[illegible] Delta:	23°01'29.16" Left		
[illegible]gree [illegible] Curvat[illegible]re(Arc):	15°59'59.78"		
Length:	143.91		
Tangent:	72.94		
Chord:	142.94		
Middle Ordinate:	7.20		
External:	7.35		
Tangent Direction:	N 55°36'07.97" W		
Radial Direction:	N 34°23'52.03" E		
Chord Direction:	N 67°06'52.55" W		
Radial Direction:	N 11°22'22.87" E		
Tangent Direction:	N 78°37'37.13" W		
Element: Clothoid			
C.S. STA. (6659)	83+19.78	143019.9226	2150035.8169
S.P.I. STA. (6392)	83+70.09	143029.9289	2149986.5130
S.T. STA. (6658)	84+70.07	143028.9631	2149886.0896
Entrance Radius:	358.10		
Exit Radius:	0.00		
Length:	150.29		
Angle:	12°01'24.49" Left		
Constant:	231.99		
Long Tangent:	100.43		
Short Tangent:	50.31		
Long Chord:	150.00		
Xs:	149.63		
Ys:	10.48		
P:	2.62		
K:	75.04		
Tangent Direction:	N 78°31'39.08" W		
Radial Direction:	N 11°28'20.92" E		
Chord Direction:	N 86°32'40.79" W		
Radial Direction:	N 0°33'03.57" W		
Tangent Direction:	S 89°26'56.43" W		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A008
Description: RAMP SE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6606)	57+01.31	140720.9889	2150888.1031
PC. STA. (6607)	62+70.63	141288.2754	2150936.1789
Tangent Direction:	N 4°50'38.63" E		
Tangent Length:	569.32		
Element: Circular			
PC. STA. (6607)	62+70.63	141288.2754	2150936.1789
P.I. STA. ( )	64+04.37	141421.5348	2150947.4722
C.C. STA. (6363)		141530.1914	2148081.6214
P.T. STA. (6608)	65+37.91	141555.2667	2150946.3016
Radius:	2864.79		
Delta:	5°20'44.15" Left		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	267.28		
Tangent:	133.74		
Chord:	267.18		
Middle Ordinate:	3.12		
External:	3.12		
Tangent Direction:	N 4°50'38.71" E		
Radial Direction:	S 85°09'21.29" E		
Chord Direction:	N 2°10'16.63" E		
Radial Direction:	N 89°29'54.55" E		
Tangent Direction:	N 0°30'05.45" W		

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS		
DESCRIPTION		DATE
EASTING		5/27/2022

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S019

OKLAHOMA COUNTY

Preliminary Plans

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A008 *CONTINUED
Description: RAMP SE of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6608)	65+37.91	141555.2667	2150946.3016
P.I. STA. (6604)	65+50.91	141555.3805	2150959.3011
Tangent Direction:	N 89°29'54.63" E		
Tangent Length:	13.00		
Element: Linear			
P.I. STA. (6604)	65+50.91	141555.3805	2150959.3011
P.I. STA. (6605)	71+52.02	142156.4624	2150954.0399
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	601.11		
Element: Linear			
P.I. STA. (6605)	71+52.02	142156.4624	2150954.0399
PC. STA. (6723)	72+27.02	142231.4596	2150953.3835
Tangent Direction:	N 0°30'05.37" W		
Tangent Length:	75.00		
Element: Circular			
PC. STA. (6723)	72+27.02	142231.4596	2150953.3835
P.I. STA. ( )	73+75.59	142380.0152	2150955.7160
C.C. STA. (6724)		142226.1006	2151294.6984
P.T. STA. (6722)	75+07.28	142479.5438	2151066.0258
Radius:	341.36		
Delta:	47°02'30.05" Right		
Degree of Curvature(Arc):	16°47'04.95"		
Length:	280.27		
Tangent:	148.57		
Chord:	272.46		
Middle Ordinate:	28.36		
External:	30.93		
Tangent Direction:	N 0°53'58.30" E		
Radial Direction:	S 89°06'01.70" E		
Chord Direction:	N 24°25'13.33" E		
Radial Direction:	S 42°03'31.64" E		
Tangent Direction:	N 47°56'28.36" E		
Element: Linear			
P.T. STA. (6722)	75+07.28	142479.5438	2151066.0258
P.I. STA. (6597)	75+82.28	142531.1322	2151120.4651
Tangent Direction:	N 46°32'24.60" E		
Tangent Length:	75.00		
Element: Linear			
P.I. STA. (6597)	75+82.28	142531.1322	2151120.4651
PC. STA. (6596)	77+42.50	142641.3389	2151236.7619
Tangent Direction:	N 46°32'24.60" E		
Tangent Length:	160.22		
Element: Circular			
PC. STA. (6596)	77+42.50	142641.3389	2151236.7619
P.I. STA. ( )	80+43.81	142848.5942	2151455.4703
C.C. STA. (6342)		142086.8279	2151762.2348
P.T. STA. (6595)	83+16.50	142850.7483	2151756.7733
Radius:	763.94		
Delta:	43°03'00.76" Right		
Degree of Curvature(Arc):	7°30'00.13"		
Length:	574.00		
Tangent:	301.31		
Chord:	560.59		
Middle Ordinate:	53.28		
External:	57.27		
Tangent Direction:	N 46°32'24.60" E		
Radial Direction:	S 43°27'35.40" E		
Chord Direction:	N 68°03'54.98" E		
Radial Direction:	S 0°24'34.64" E		
Tangent Direction:	N 89°35'25.36" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A009
Description: N of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6588)	438+14.61	143012.8229	2151817.7714
PC. STA. (6587)	440+14.61	143014.2534	2152017.7663
Tangent Direction:	N 89°35'24.60" E		
Tangent Length:	200.00		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A009 *CONTINUED
Description: N of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6587)	440+14.61	143014.2534	2152017.7663
P.I. STA. ( )	441+22.91	143015.0277	2152126.0592
C.C. STA. (6339)		143969.1590	2152010.9390
P.T. STA. (6585)	442+30.28	143040.0327	2152231.4286
Radius:	954.93		
Delta:	12°56'24.70" Left		
Degree of Curvature(Arc):	5°59'59.99"		
Length:	215.67		
Tangent:	108.30		
Chord:	215.21		
Middle Ordinate:	6.08		
External:	6.12		
Tangent Direction:	N 89°35'25.30" E		
Radial Direction:	S 0°24'34.70" E		
Chord Direction:	N 83°07'12.95" E		
Radial Direction:	S 13°20'59.40" E		
Tangent Direction:	N 76°39'00.60" E		
Element: Linear			
P.T. STA. (6585)	442+30.28	143040.0327	2152231.4286
PC. STA. (6581)	447+16.73	143152.3521	2152704.7340
Tangent Direction:	N 76°39'00.60" E		
Tangent Length:	486.45		
Element: Circular			
PC. STA. (6581)	447+16.73	143152.3521	2152704.7340
P.I. STA. ( )	450+97.27	143240.2178	2153074.9930
C.C. STA. (6337)		141758.6676	2153035.4672
P.T. STA. (6584)	454+60.63	143132.7351	2153440.0404
Radius:	1432.39		
Delta:	29°45'21.94" Right		
Degree of Curvature(Arc):	4°00'00.05"		
Length:	743.90		
Tangent:	380.54		
Chord:	735.57		
Middle Ordinate:	48.02		
External:	49.69		
Tangent Direction:	N 76°39'00.60" E		
Radial Direction:	S 13°20'59.40" E		
Chord Direction:	S 88°28'18.43" E		
Radial Direction:	S 16°24'22.54"		
Tangent Direction:	S 73°35'37.46"		
Element: Linear			
P.T. STA. (6584)	454+60.63	143132.7351	2153440.0404
PC. STA. (6582)	457+88.35	143040.1733	2153754.4171
Tangent Direction:	S 73°35'37.46" E		
Tangent Length:	327.72		
Element: Circular			
PC. STA. (6582)	457+88.35	143040.1733	2153754.4171
P.I. STA. ( )	459+09.33	143006.0015	2153870.4757
C.C. STA. (6340)		143825.3560	2153985.6026
P.T. STA. (6590)	460+28.58	143006.8669	2153991.4573
Radius:	818.51		
Delta:	16°48'58.04" Left		
Degree of Curvature(Arc):	7°00'00.03"		
Length:	240.23		
Tangent:	120.98		
Chord:	239.37		
Middle Ordinate:	8.80		
External:	8.89		
Tangent Direction:	S 73°35'37.36" E		
Radial Direction:	S 16°24'22.64" W		
Chord Direction:	S 82°00'06.38" E		
Radial Direction:	S 0°24'35.40" E		
Tangent Direction:	N 89°35'24.60" E		
Element: Linear			
P.T. STA. (6590)	460+28.58	143006.8669	2153991.4573
P.I. STA. (6720)	460+42.45	143006.9661	2154005.3222
Tangent Direction:	N 89°35'24.81" E		
Tangent Length:	13.87		
Element: Linear			
P.I. STA. (6720)	460+42.45	143006.9661	2154005.3222
PC. STA. (6614)	473+38.12	143042.1412	2155300.5169
Tangent Direction:	N 88°26'39.60" E		
Tangent Length:	1295.67		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A009 *CONTINUED
Description: N of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6614)	473+38.12	143042.1412	2155300.5169
P.I. STA. ( )	475+84.63	143050.2906	2155546.8960
C.C. STA. (6348)		143996.5493	2155268.9482
P.R.C. STA. (6613)	478+20.61	143176.6792	2155758.5443
Radius:	954.93		
Delta:	28°56'58.63" Left		
Degree of Curvature(Arc):	5°59'59.99"		
Length:	482.49		
Tangent:	246.51		
Chord:	477.38		
Middle Ordinate:	30.31		
External:	31.31		
Tangent Direction:	N 88°06'19.91" E		
Radial Direction:	S 1°53'40.09" E		
Chord Direction:	N 73°37'50.60" E		
Radial Direction:	S 30°50'38.71" E		
Tangent Direction:	N 59°09'21.29" E		
Element: Circular			
P.R.C. STA. (6613)	478+20.61	143176.6792	2155758.5443
P.I. STA. ( )	480+67.13	143303.0677	2155970.1926
C.C. STA. (6349)		142356.8091	2156248.1404
P.C.C. STA. (6612)	483+03.11	143311.2171	2156216.5716
Radius:	954.93		
Delta:	28°56'58.62" Right		
Degree of Curvature(Arc):	5°59'59.99"		
Length:	482.49		
Tangent:	246.51		
Chord:	477.38		
Middle Ordinate:	30.31		
External:	31.31		
Tangent Direction:	N 59°09'21.29" E		
Radial Direction:	S 30°50'38.71" E		
Chord Direction:	N 73°37'50.60" E		
Radial Direction:	S 1°53'40.09" E		
Tangent Direction:	N 88°06'19.91" E		
Element: Circular			
P.C.C. STA. (6612)	483+03.11	143311.2171	2156216.5716
P.I. STA. ( )	485+42.11	143308.0905	2156455.5543
C.C. STA. (6350)		142356.3688	2156204.0793
P.R.C. STA. (6615)	487+71.49	143192.7576	2156664.8885
Radius:	954.93		
Delta:	28°06'10.97" Right		
Degree of Curvature(Arc):	5°59'59.99"		
Length:	468.38		
Tangent:	239.00		
Chord:	463.70		
Middle Ordinate:	28.57		
External:	29.45		
Tangent Direction:	S 89°15'01.57" E		
Radial Direction:	S 0°44'58.43" W		
Chord Direction:	S 75°11'56.08" E		
Radial Direction:	S 28°51'09.40" W		
Tangent Direction:	S 61°08'50.60" E		
Element: Circular			
P.R.C. STA. (6615)	487+71.49	143192.7576	2156664.8885
P.I. STA. ( )	490+10.49	143075.1276	2156872.9406
C.C. STA. (6351)		144024.0236	2157134.8758
P.T. STA. (6616)	492+39.87	143069.3707	2157111.8743
Radius:	954.93		
Delta:	28°06'10.97" Left		
Degree of Curvature(Arc):	5°59'59.99"		
Length:	468.38		
Tangent:	239.00		
Chord:	463.70		
Middle Ordinate:	28.57		
External:	29.45		
Tangent Direction:	S 60°31'00.23" E		
Radial Direction:	S 29°28'59.77" W		
Chord Direction:	S 74°34'05.72" E		
Radial Direction:	S 1°22'48.80" W		
Tangent Direction:	S 88°37'11.20" E		

Preliminary Plans

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022

PLS			POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
DRAWN			SURVEY DATA SHEET
CHECKED			
APPROVED			
CREW	POE		SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S020

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A010
Description: S of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6621)	467+13.00	142882.3266	2154716.8604
PC. STA. (6620)	472+12.38	142844.6891	2155214.8201
Tangent Direction:	S 85°40'39.40" E		
Tangent Length:	499.38		
Element: Circular			
PC. STA. (6620)	472+12.38	142844.6891	2155214.8201
P.I. STA. ( )	474+82.01	142824.3679	2155483.6784
C.C. STA. (6352)		141575.0705	2155118.8580
P.T. STA. (6619)	477+43.78	142696.8096	2155721.2213
Radius:	1273.24		
Delta:	23°54'46.77" Right		
Degree of Curvature(Arc):	4°29'59.99"		
Length:	531.40		
Tangent:	269.63		
Chord:	527.55		
Middle Ordinate:	27.62		
External:	28.24		
Tangent Direction:	S 85°40'39.40" E		
Radial Direction:	S 4°19'20.60" W		
Chord Direction:	S 73°43'16.02" E		
Radial Direction:	S 28°14'07.37" W		
Tangent Direction:	S 61°45'52.63" E		
Element: Linear			
P.T. STA. (6619)	477+43.78	142696.8096	2155721.2213
PC. STA. (6618)	479+85.16	142582.6137	2155933.8798
Tangent Direction:	S 61°45'52.40" E		
Tangent Length:	241.38		
Element: Circular			
PC. STA. (6618)	479+85.16	142582.6137	2155933.8798
P.I. STA. ( )	481+37.37	142510.6015	2156067.9828
C.C. STA. (6353)		143111.2203	2156217.7372
P.C.C. STA. (6617)	482+83.30	142511.2254	2156220.1964
Radius:	600.00		
Delta:	28°28'12.98" Left		
Degree of Curvature(Arc):	9°32'57.47"		
Length:	298.14		
Tangent:	152.21		
Chord:	295.08		
Middle Ordinate:	18.42		
External:	19.01		
Tangent Direction:	S 61°45'52.42" E		
Radial Direction:	S 28°14'07.58" W		
Chord Direction:	S 75°59'58.91" E		
Radial Direction:	S 0°14'05.40" E		
Tangent Direction:	N 89°45'54.60" E		
Element: Circular			
P.C.C. STA. (6617)	482+83.30	142511.2254	2156220.1964
P.I. STA. ( )	484+57.61	142511.9399	2156394.5045
C.C. STA. (6354)		143111.2203	2156217.7369
P.T. STA. (6622)	486+22.58	142605.9392	2156541.2968
Radius:	600.00		
Delta:	32°23'55.87" Left		
Degree of Curvature(Arc):	9°32'57.47"		
Length:	339.28		
Tangent:	174.31		
Chord:	334.78		
Middle Ordinate:	23.82		
External:	24.81		
Tangent Direction:	N 89°45'54.47" E		
Radial Direction:	S 0°14'05.53" E		
Chord Direction:	N 73°33'56.54" E		
Radial Direction:	S 32°38'01.40" E		
Tangent Direction:	N 57°21'58.60" E		
Element: Linear			
P.T. STA. (6622)	486+22.58	142605.9392	2156541.2968
PC. STA. (6623)	488+32.66	142719.2283	2156718.2125
Tangent Direction:	N 57°21'58.60" E		
Tangent Length:	210.08		
Element: Circular			
PC. STA. (6623)	488+32.66	142719.2283	2156718.2125
P.I. STA. ( )	490+18.84	142819.6299	2156875.0027
C.C. STA. (6355)		142116.0911	2157104.4352
P.C.C. STA. (6624)	491+96.96	142830.9630	2157060.8391
Radius:	716.20		
Delta:	29°08'38.00" Right		
Degree of Curvature(Arc):	7°59'59.89"		
Length:	364.30		
Tangent:	186.18		
Chord:	360.39		
Middle Ordinate:	23.04		
External:	23.80		
Tangent Direction:	N 57°21'58.60" E		
Radial Direction:	S 32°38'01.40" E		
Chord Direction:	N 71°56'17.60" E		
Radial Direction:	S 3°29'23.40" E		
Tangent Direction:	N 86°30'36.60" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A010 *CONTINUED
Description: S of I-240
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
P.C.C. STA. (6624)	491+96.96	142830.9630	2157060.8391
P.I. STA. ( )	492+74.51	142835.6839	2157138.2442
C.C. STA. (6356)		139971.4863	2157235.2368
P.T. STA. (6625)	493+52.02	142836.2103	2157215.7914
Radius:	2864.79		
Delta:	3°06'04.32" Right		
Degree of Curvature(Arc):	2°00'00.00"		
Length:	155.06		
Tangent:	77.55		
Chord:	155.04		
Middle Ordinate:	1.05		
External:	1.05		
Tangent Direction:	N 86°30'35.60" E		
Radial Direction:	S 3°29'24.40" E		
Chord Direction:	N 88°03'37.76" E		
Radial Direction:	S 0°23'20.08" E		
Tangent Direction:	N 89°36'39.92" E		
Element: Linear			
P.T. STA. (6625)	493+52.02	142836.2103	2157215.7914
P.O.E. STA. (6626)	502+52.15	142842.3215	2158115.9006
Tangent Direction:	N 89°36'39.60" E		
Tangent Length:	900.13		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A011
Description: SANTA FE. AVE
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6661)	40+07.16	142544.2397	2145645.67[illegible]
P.I. STA. (3120)	44+10.44	142947.5057	2145642.319[illegible]
Tangent Direction:	N 0°28'36.84" W		
Tangent Length:	403.2[illegible]		
Element: Linear			
P.I. STA. (3120)	44+10.44	142947.5057	2145642.3196
P.I. STA. (6002)	45+07.16	143044.2256	2145641.4636
Tangent Direction:	N 0°30'25.38" W		
Tangent Length:	[illegible] 72		
Element: Linear			
P.I. STA. (6002)	45+07.16	143044.2256	2145641.4636
P.O.E. STA. (6[illegible]2)	50+07.16	143544.2060	2145637.0388
Tangent Direction:	N 0°30'25.38" W		
Tangent Length:	500.00		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A012
Description: SHIELDS BLVD.
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6419)	142+61.38	142585.3894	2147507.7199
P.I. STA. (6001)	147+61.38	143060.4395	2147351.7473
Tangent Direction:	N 18°10'35.38" W		
Tangent Length:	500.00		
Element: Linear			
P.I. STA. (6001)	147+61.38	143060.4395	2147351.7473
P.O.E. STA. (6418)	152+61.38	143535.4895	2147195.7747
Tangent Direction:	N 18°10'35.38" W		
Tangent Length:	500.00		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A013
Description: POLE RD.
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6579)	447+80.58	142681.2611	2153020.1679
P.I. STA. (6570)	450+14.60	142915.2749	2153018.4940
Tangent Direction:	N 0°24'35.40" W		
Tangent Length:	234.02		
Element: Linear			
P.I. STA. (6570)	450+14.60	142915.2749	2153018.4940
P.O.E. STA. (6583)	452+90.26	143190.9323	2153016.5222
Tangent Direction:	N 0°24'35.40" W		
Tangent Length:	275.66		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A014
Description: EASTERN AVE.
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6423)	20+10.87	142411.2265	2156220.6737
P.I. STA. (6000)	25+10.87	142911.2208	2156218.2873
Tangent Direction:	N 0°16'24.45" W		
Tangent Length:	500.00		
Element: Linear			
P.I. STA. (6000)	25+10.87	142911.2208	2156218.2873
P.I. STA. (3049)	26+34.64	143034.9922	2156217.6966
Tangent Direction:	N 0°16'24.41" W		
Tangent Length:	123.77		
Element: Linear			
P.I. STA. (3049)	26+34.64	143034.9922	2156217.6966
P.O.E. STA. (6424)	30+10.87	143411.2163	2156216.1644
Tangent Direction:	N 0°14'00.04" W		
Tangent Length:	376.23		

Project Name: EC-1060*Crossroads
Description: SURVEY ALG FOR CROSSROADS INTERCHANGE
Horizontal Alignment Name: A015
Description: R.R. BNSF
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6725)	20557+83.38	142228.6858	2153989.8391
PC. STA. (6426)	20562+83.38	142728.6774	2153986.9254
Tangent Direction:	N 0°20'01.97" W		
Tangent Length:	500.00		
Element: Circular			
PC. STA. (6426)	20562+83.38	142728.6774	2153986.9254
P.I. STA. ( )	20576+48.20	144093.4798	2153994.2466
C.C. STA. (6430)		142759.4118	2148257.4299
P.T. STA. (6428)	20589+63.08	145315.0154	2153385.4855
Radius:	5729.58		
Delta:	26°47'49.38" Left		
Degree of Curvature(Arc):	1°00'00.00"		
Length:	2679.70		
Tangent:	1364.82		
Chord:	2655.35		
Middle Ordinate:	155.95		
External:	160.31		
Tangent Direction:	N 0°18'26.45" E		
Radial Direction:	S 89°41'33.55" E		
Chord Direction:	N 13°05'28.24" W		
Radial Direction:	N 63°30'37.07" E		
Tangent Direction:	N 26°29'22.93" W		
Element: Linear			
P.T. STA. (6428)	20589+63.08	145315.0154	2153385.4855
P.I. STA. (6429)	20593+39.38	145652.3227	2153218.6758
Tangent Direction:	N 26°18'50.14" W		
Tangent Length:	376.30		
Element: Linear			
P.I. STA. (6429)	20593+39.38	145652.3227	2153218.6758
P.O.E. STA. (6729)	20598+39.38	146100.5121	2152997.0312
Tangent Direction:	N 26°18'50.14" W		
Tangent Length:	500.00		

Preliminary Plans

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S021

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A016
Description: CLOVER1
Style: Default

	STATION	NORTHING	EASTING
Element: Clothoid			
T.S. STA. (6645)	80+51.88	143069.7619	2150635.8849
S.P.I. STA. (6376)	81+53.92	143086.1216	2150535.1661
S.C. STA. (6644)	82+02.58	143119.4141	2150495.6564
Entrance Radius:	0.00		
Exit Radius:	139.75		
Length:	150.70		
Angle:	30°53'34.35" Right		
Constant:	145.12		
Long Tangent:	102.04		
Short Tangent:	51.67		
Long Chord:	148.76		
Xs:	146.37		
Ys:	26.53		
P:	6.70		
K:	74.62		
Tangent Direction:	N 80°46'26.69" W		
Radial Direction:	N 9°13'33.31" E		
Chord Direction:	N 70°30'07.11" W		
Radial Direction:	N 40°07'07.67" E		
Tangent Direction:	N 49°52'52.33" W		
Element: Circular			
S.C. STA. (6644)	82+02.58	143119.4141	2150495.6564
C.C. STA. (6403)		143226.0743	2150585.9477
C.S. STA. (6643)	86+86.72	143298.5751	2150705.4157
Radius:	139.75		
Delta:	198°29'56.22" Right		
Degree of Curvature(Arc):	40°59'59.79"		
Length:	484.14		
Tangent:	-1.00		
Chord:	275.86		
Middle Ordinate:	-1.00		
External:	-1.00		
Tangent Direction:	N 49°45'03.58" W		
Radial Direction:	N 40°14'56.42" E		
Chord Direction:	N 49°29'54.53" E		
Radial Direction:	S 58°44'52.64" W		
Tangent Direction:	S 31°15'07.36" E		
Element: Clothoid			
C.S. STA. (6643)	86+86.72	143298.5751	2150705.4157
S.P.I. STA. (6374)	87+38.07	143254.8219	2150732.2986
S.T. STA. (6642)	88+36.55	143153.4000	2150733.8074
Entrance Radius:	139.75		
Exit Radius:	0.00		
Length:	149.83		
Angle:	30°42'54.74" Right		
Constant:	144.70		
Long Tangent:	101.43		
Short Tangent:	51.35		
Long Chord:	147.93		
Xs:	145.58		
Ys:	26.23		
P:	6.63		
K:	74.20		
Tangent Direction:	S 31°34'03.03" E		
Radial Direction:	S 58°25'56.97" W		
Chord Direction:	S 11°03'56.21" E		
Radial Direction:	S 89°08'51.71" W		
Tangent Direction:	S 0°51'08.29" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A017
Description: CLOVER2
Style: Default

	STATION	NORTHING	EASTING
Element: Clothoid			
T.S. STA. (6646)	80+53.38	143073.1298	2150913.5169
S.P.I. STA. (6377)	81+55.08	143174.8210	2150912.1527
S.C. STA. (6647)	82+03.59	143219.4020	2150937.9175
Entrance Radius:	0.00		
Exit Radius:	139.75		
Length:	150.21		
Angle:	30°47'36.96" Right		
Constant:	144.88		
Long Tangent:	101.70		
Short Tangent:	51.49		
Long Chord:	148.29		
Xs:	145.93		
Ys:	26.36		
P:	6.66		
K:	74.39		
Tangent Direction:	N 0°46'06.83" W		
Radial Direction:	N 89°13'53.17" E		
Chord Direction:	N 9°28'14.52" E		
Radial Direction:	S 59°58'29.87" E		
Tangent Direction:	N 30°01'30.13" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A017 *CONTINUED
Description: CLOVER2
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
S.C. STA. (6647)	82+03.59	143219.4020	2150937.9175
C.C. STA. (6373)		143149.0025	2151058.6356
C.S. STA. (6648)	87+36.52	143018.7604	2151109.2906
Radius:	139.75		
Delta:	218°29'52.52" Right		
Degree of Curvature(Arc):	40°59'59.79"		
Length:	532.92		
Tangent:	-1.00		
Chord:	263.87		
Middle Ordinate:	-1.00		
External:	-1.00		
Tangent Direction:	N 30°14'58.47" E		
Radial Direction:	S 59°45'01.53" E		
Chord Direction:	S 40°30'05.27" E		
Radial Direction:	N 21°15'09.01" W		
Tangent Direction:	S 68°44'50.99" W		
Element: Clothoid			
C.S. STA. (6648)	87+36.52	143018.7604	2151109.2906
S.P.I. STA. (6379)	87+87.70	143000.1760	2151061.5983
S.T. STA. (6649)	88+85.89	143016.5705	2150961.8249
Entrance Radius:	139.75		
Exit Radius:	0.00		
Length:	149.37		
Angle:	30°37'14.80" Right		
Constant:	144.48		
Long Tangent:	101.11		
Short Tangent:	51.19		
Long Chord:	147.48		
Xs:	145.16		
Ys:	26.07		
P:	6.58		
K:	73.98		
Tangent Direction:	S 68°42'37.88" W		
Radial Direction:	N 21°17'22.12" W		
Chord Direction:	S 89°08'57.21" W		
Radial Direction:	N 9°19'52.68" E		
Tangent Direction:	N 80°40'07.32" W		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A018
Description: CLOVER3
Style: Default

	STATION	NORTHING	EASTING
Element: Clothoid			
T.S. STA. (6654)	79+01.74	142920.1689	2150735.8489
S.P.I. STA. (6380)	80+03.29	142818.6217	2150736.7371
S.C. STA. (6655)	80+51.74	142774.2084	2150710.8374
Entrance Radius:	0.00		
Exit Radius:	139.75		
Length:	150.00		
Angle:	30°44'59.37" Right		
Constant:	144.78		
Long Tangent:	101.55		
Short Tangent:	51.41		
Long Chord:	148.09		
Xs:	145.74		
Ys:	26.29		
P:	6.64		
K:	74.29		
Tangent Direction:	S 0°30'04.17" E		
Radial Direction:	S 89°29'55.83" W		
Chord Direction:	S 9°43'25.04" W		
Radial Direction:	N 59°45'04.80" W		
Tangent Direction:	S 30°14'55.20" W		
Element: Circular			
S.C. STA. (6655)	80+51.74	142774.2084	2150710.8374
C.C. STA. (6518)		142844.6079	2150590.1194
C.S. STA. (6656)	85+84.66	142974.8501	2150539.4644
Radius:	139.75		
Delta:	218°29'52.52" Right		
Degree of Curvature(Arc):	40°59'59.79"		
Length:	532.92		
Tangent:	-1.00		
Chord:	263.87		
Middle Ordinate:	-1.00		
External:	-1.00		
Tangent Direction:	S 30°14'58.47" W		
Radial Direction:	N 59°45'01.53" W		
Chord Direction:	N 40°30'05.27" W		
Radial Direction:	S 21°15'09.01" E		
Tangent Direction:	N 68°44'50.99" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A018 *CONTINUED
Description: CLOVER3
Style: Default

	STATION	NORTHING	EASTING
Element: Clothoid			
C.S. STA. (6656)	85+84.66	142974.8501	2150539.4644
S.P.I. STA. (6380)	86+36.07	142993.4835	2150587.3819
S.T. STA. (6657)	87+34.66	142976.7222	2150687.5396
Entrance Radius:	139.75		
Exit Radius:	0.00		
Length:	150.00		
Angle:	30°44'58.69" Right		
Constant:	144.78		
Long Tangent:	101.55		
Short Tangent:	51.41		
Long Chord:	148.09		
Xs:	145.74		
Ys:	26.29		
P:	6.64		
K:	74.28		
Tangent Direction:	N 68°45'02.58" E		
Radial Direction:	S 21°14'57.42" E		
Chord Direction:	N 89°16'32.31" E		
Radial Direction:	S 9°30'01.27" W		
Tangent Direction:	S 80°29'58.73" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A019
Description: CLOVER4
Style: Default

	STATION	NORTHING	EASTING
Element: Clothoid			
T.S. STA. (6653)	79+01.32	142922.1852	2151013.4926
S.P.I. STA. (6383)	80+02.87	142905.4273	2151113.6508
S.C. STA. (6652)	80+51.32	142872.2095	2151152.8920
Entrance Radius:	0.00		
Exit Radius:	139.75		
Length:	150.00		
Angle:	30°44'58.60" Right		
Constant:	144.78		
Long Tangent:	101.55		
Short Tangent:	51.41		
Long Chord:	148.09		
Xs:	145.74		
Ys:	26.29		
P:	6.64		
K:	74.28		
Tangent Direction:	S 80°30'05.75" E		
Radial Direction:	S 9°29'54.25" W		
Chord Direction:	S 70°16'36.80" E		
Radial Direction:	S 40°14'52.85" W		
Tangent Direction:	S 49°45'07.15" E		
Element: Circular			
S.C. STA. (6652)	80+51.32	142872.2095	2151152.8920
C.C. STA. (6525)		142765.5493	2151062.6006
C.S. STA. (6651)	85+35.46	142693.0485	2150943.1327
Radius:	139.75		
Delta:	198°29'56.22" Right		
Degree of Curvature(Arc):	40°59'59.79"		
Length:	484.14		
Tangent:	-1.00		
Chord:	275.86		
Middle Ordinate:	-1.00		
External:	-1.00		
Tangent Direction:	S 49°45'03.58" E		
Radial Direction:	S 40°14'56.42" W		
Chord Direction:	S 49°29'54.53" W		
Radial Direction:	N 58°44'52.64" E		
Tangent Direction:	N 31°15'07.36" W		
Element: Clothoid			
C.S. STA. (6651)	85+35.46	142693.0485	2150943.1327
S.P.I. STA. (6385)	85+86.51	142736.7179	2150916.7058
S.T. STA. (6650)	86+84.44	142837.5489	2150915.5789
Entrance Radius:	139.75		
Exit Radius:	0.00		
Length:	148.98		
Angle:	30°32'24.85" Right		
Constant:	144.29		
Long Tangent:	100.84		
Short Tangent:	51.04		
Long Chord:	147.10		
Xs:	144.80		
Ys:	25.94		
P:	6.55		
K:	73.79		
Tangent Direction:	N 31°10'50.03" W		
Radial Direction:	N 58°49'09.97" E		
Chord Direction:	N 10°47'44.69" W		
Radial Direction:	N 89°21'34.82" E		
Tangent Direction:	N 0°38'25.18" W		

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST.	NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S022

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A020
Description: SANTA FE/SHIELDS BLVD
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6463)	381+96.97	143105.0679	2146204.9783
P.I. STA. ( )	382+99.71	143106.0418	2146307.7135
C.C. STA. (6456)		145014.8410	2146186.8730
P.T. STA. (6464)	384+02.25	143118.0314	2146409.7514
Radius:	1909.86		
Delta:	6°09'30.44" Left		
Degree of Curvature(Arc):	3°00'00.00"		
Length:	205.28		
Tangent:	102.74		
Chord:	205.18		
Middle Ordinate:	2.76		
External:	2.76		
Tangent Direction:	N 89°27'24.60" E		
Radial Direction:	S 0°32'35.40" E		
Chord Direction:	N 86°22'39.38" E		
Radial Direction:	S 6°42'05.84" E		
Tangent Direction:	N 83°17'54.16" E		
Element: Linear			
P.T. STA. (6464)	384+02.25	143118.0314	2146409.7514
PC. STA. (6465)	385+46.86	143134.9073	2146553.3733
Tangent Direction:	N 83°17'54.15" E		
Tangent Length:	144.61		
Element: Circular			
PC. STA. (6465)	385+46.86	143134.9073	2146553.3733
P.I. STA. ( )	385+69.31	143137.5272	2146575.6700
C.C. STA. (6457)		143318.5936	2146531.7898
P.T. STA. (6466)	385+91.54	143145.4053	2146596.6924
Radius:	184.95		
Delta:	13°50'30.97" Left		
Degree of Curvature(Arc):	30°58'44.63"		
Length:	44.68		
Tangent:	22.45		
Chord:	44.57		
Middle Ordinate:	1.35		
External:	1.36		
Tangent Direction:	N 83°17'54.13" E		
Radial Direction:	S 6°42'05.87" E		
Chord Direction:	N 76°22'38.65" E		
Radial Direction:	S 20°32'36.83" E		
Tangent Direction:	N 69°27'23.17" E		
Element: Linear			
P.T. STA. (6466)	385+91.54	143145.4053	2146596.6924
P.O.E. STA. (6467)	386+02.88	143149.3848	2146607.3112
Tangent Direction:	N 69°27'23.15" E		
Tangent Length:	11.34		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A021
Description: SANTA FE/SHIELDS BLVD
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6444)	379+28.21	143003.5201	2145936.2304
P.I. STA. ( )	380+49.71	143004.6719	2146057.7251
C.C. STA. (6450)		141093.7469	2145954.3356
P.T. STA. (6451)	381+70.88	142990.4184	2146178.3862
Radius:	1909.86		
Delta:	7°16'48.71" Right		
Degree of Curvature(Arc):	3°00'00.00"		
Length:	242.67		
Tangent:	121.50		
Chord:	242.51		
Middle Ordinate:	3.85		
External:	3.86		
Tangent Direction:	N 89°27'24.60" E		
Radial Direction:	S 0°32'35.40" E		
Chord Direction:	S 86°54'11.04" E		
Radial Direction:	S 6°44'13.32" W		
Tangent Direction:	S 83°15'46.68" E		
Element: Linear			
P.T. STA. (6451)	381+70.88	142990.4184	2146178.3862
PC. STA. (6452)	383+45.25	142969.9626	2146351.5522
Tangent Direction:	S 83°15'46.70" E		
Tangent Length:	174.37		
Element: Circular			
PC. STA. (6452)	383+45.25	142969.9626	2146351.5522
P.I. STA. ( )	383+68.99	142967.1776	2146375.1284
C.C. STA. (6453)		142758.4442	2146326.5660
P.T. STA. (6454)	383+92.54	142959.2697	2146397.5127
Radius:	212.99		
Delta:	12°43'12.23" Right		
Degree of Curvature(Arc):	26°54'02.94"		
Length:	47.29		
Tangent:	23.74		
Chord:	47.19		
Middle Ordinate:	1.31		
External:	1.32		
Tangent Direction:	S 83°15'46.81" E		
Radial Direction:	S 6°44'13.19" W		
Chord Direction:	S 76°54'10.70" E		
Radial Direction:	S 19°27'25.41" W		
Tangent Direction:	S 70°32'34.59" E		

SDS 23 OF 46

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A021 *CONTINUED
Description: SANTA FE/SHIELDS BLVD
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.T. STA. (6454)	383+92.54	142959.2697	2146397.5127
P.O.E. STA. (6455)	384+03.88	142955.4924	2146408.2051
Tangent Direction:	S 70°32'34.70" E		
Tangent Length:	11.34		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A022
Description: SHIELDS BLVD/BYERS AVE
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6481)	402+02.75	143155.8771	2148209.8436
PC. STA. (6482)	402+14.09	143152.0997	2148220.5360
Tangent Direction:	S 70°32'35.38" E		
Tangent Length:	11.34		
Element: Circular			
PC. STA. (6482)	402+14.09	143152.0997	2148220.5360
P.I. STA. ( )	402+36.54	143144.6217	2148241.7040
C.C. STA. (6498)		143326.4878	2148282.1422
P.T. STA. (6483)	402+58.77	143142.4251	2148264.0464
Radius:	184.95		
Delta:	13°50'30.97" Left		
Degree of Curvature(Arc):	30°58'44.63"		
Length:	44.68		
Tangent:	22.45		
Chord:	44.57		
Middle Ordinate:	1.35		
External:	1.36		
Tangent Direction:	S 70°32'35.40" E		
Radial Direction:	S 19°27'24.60" W		
Chord Direction:	S 77°27'50.88" E		
Radial Direction:	S 5°36'53.64" W		
Tangent Direction:	S 84°23'06.36" E		
Element: Linear			
P.T. STA. (6483)	402+58.77	143142.4251	2148264.0464
PC. STA. (6484)	404+03.38	143[illegible]	2148407.9626
Tangent Direction:	S 84°23'06.38" E		
Tangent Length:	144.[illegible]		
Element: Circular			
PC. STA. (6484)	404+03.38	143142.2763	2148407.9626
P.I. STA. ( )	405+06.[illegible]	143[illegible]8.2[illegible]17	21[illegible]10.2029
C.C. STA. (6406)	[illegible]028.[illegible]7	2148594.8264	
P.T. STA. (6485)	40[illegible]08.[illegible]	[illegible]3119.1986	2148612.9316
Radi[illegible]	[illegible]09.86		
Delt[illegible]	6°09'29.03" Left		
Degree of Cur[illegible]ure([illegible]c):	[illegible]°00'00.00"		
Le[illegible]th:	205.27		
[illegible]angent:	102.73		
[illegible] Chord:	205.17		
Mi[illegible]le Or[illegible]inate:	2.76		
External:	2.76		
[illegible]angent Direction:	S 84°23'06.36" E		
[illegible]adial Direction:	S 5°36'53.64" W		
[illegible]hord Direction:	S 87°27'50.88" E		
Radial Direction:	S 0°32'35.40" E		
Tangent Direction:	N 89°27'24.60" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A023
Description: SHIELDS BLVD/BYERS AVE
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
P.O.B. STA. (6475)	403+50.48	142973.9626	2148359.2990
PC. STA. (6476)	403+61.82	142977.9419	2148369.9178
Tangent Direction:	N 69°27'24.62" E		
Tangent Length:	11.34		
Element: Circular			
PC. STA. (6476)	403+61.82	142977.9419	2148369.9178
P.I. STA. ( )	403+85.80	142986.3566	2148392.3722
C.C. STA. (6408)		142773.4435	2148446.5523
P.T. STA. (6477)	404+09.59	142989.6984	2148416.1175
Radius:	218.39		
Delta:	12°31'55.92" Right		
Degree of Curvature(Arc):	26°14'09.65"		
Length:	47.77		
Tangent:	23.98		
Chord:	47.67		
Middle Ordinate:	1.30		
External:	1.31		
Tangent Direction:	N 69°27'24.66" E		
Radial Direction:	S 20°32'35.34" E		
Chord Direction:	N 75°43'22.62" E		
Radial Direction:	S 8°00'39.42" E		
Tangent Direction:	N 81°59'20.58" E		
Element: Linear			
P.T. STA. (6477)	404+09.59	142989.6984	2148416.1175
PC. STA. (6478)	404+79.63	142999.4593	2148485.4740
Tangent Direction:	N 81°59'20.62" E		
Tangent Length:	70.04		
Element: Circular			
PC. STA. (6478)	404+79.63	142999.4593	2148485.4740
P.I. STA. ( )	406+04.27	143016.8293	2148608.8973
C.C. STA. (6407)		141108.2377	2148751.6362
P.T. STA. (6479)	407+28.55	143018.0109	2148733.5312
Radius:	1909.86		
Delta:	7°28'04.03" Right		
Degree of Curvature(Arc):	3°00'00.00"		
Length:	248.93		
Tangent:	124.64		
Chord:	248.75		
Middle Ordinate:	4.05		
External:	4.06		
Tangent Direction:	N 81°59'20.61" E		
Radial Direction:	S 8°00'39.39" E		
Chord Direction:	N 85°43'22.62" E		
Radial Direction:	S 0°32'35.37" E		
Tangent Direction:	N 89°27'24.63" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A024
Description: NE of Pole Rd
Style: Default

	STATION	NORTHING	EASTING
Element: Circular			
PC. STA. (6591)	454+00.27	142973.5321	2153403.7572
P.I. STA. ( )	459+07.74	142977.1456	2153911.2149
C.C. STA. (6347)		143048.5302	2153403.2231
P.T. STA. (6592)	456+13.88	143120.4766	2153424.4063
Radius:	75.00		
Delta:	163°11'09.67" Left		
Degree of Curvature(Arc):	76°23'39.74"		
Length:	213.61		
Tangent:	507.47		
Chord:	148.39		
Middle Ordinate:	64.03		
External:	437.98		
Tangent Direction:	N 89°35'31.27" E		
Radial Direction:	S 0°24'28.73" E		
Chord Direction:	N 7°59'56.44" E		
Radial Direction:	N 16°24'21.60" E		
Tangent Direction:	N 73°35'38.40" W		

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS		
DESCRIPTION		DATE
EASTING		5/27/2022

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903Z(06) SHEET NO. S023

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A025
Description: SE of Pole Rd
Style: Default

		STATION	NORTHING	EASTING
Element: Circular				
PC. STA.	(6575)	452+14.60	142861.2069	2153218.8859
P.I. STA.	( )	457+45.46	142865.0042	2153749.7368
C.C. STA.	(6338)		142636.2127	2153220.4953
P.T. STA.	(6574)	457+41.06	142480.9001	2153383.2928
Radius:		225.00		
Delta:		134°03'43.01" Right		
Degree of Curvature(Arc):		25°27'53.25"		
Length:		526.46		
Tangent:		530.86		
Chord:		414.32		
Middle Ordinate:		137.20		
External:		351.58		
Tangent Direction:		N 89°35'24.58" E		
Radial Direction:		S 0°24'35.42" E		
Chord Direction:		S 23°22'43.92" E		
Radial Direction:		N 46°20'52.41" W		
Tangent Direction:		S 43°39'07.59" W		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A026
Description: RAMP E of Eastern Ave
Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
P.O.B. STA.	(6637)	484+39.48	143279.5837	2156448.1402
PC. STA.	(6638)	485+41.44	143177.6229	2156448.5358
Tangent Direction:		S 0°13'20.40" E		
Tangent Length:		101.96		
Element: Circular				
PC. STA.	(6638)	485+41.44	143177.6229	2156448.5358
P.I. STA.	( )	486+78.83	143040.2382	2156449.0646
C.C. STA.	(6361)		143178.2003	2156598.5347
P.T. STA.	(6639)	487+63.90	143028.7277	2156585.9674
Radius:		150.00		
Delta:		84°58'24.46" Left		
Degree of Curvature(Arc):		38°11'49.87"		
Length:		222.46		
Tangent:		137.39		
Chord:		202.63		
Middle Ordinate:		39.38		
External:		53.41		
Tangent Direction:		S 0°13'13.94" E		
Radial Direction:		S 89°46'46.06" W		
Chord Direction:		S 42°42'26.17" E		
Radial Direction:		S 4°48'21.60" W		
Tangent Direction:		S 85°11'38.40" E		
Element: Linear				
P.T. STA.	(6639)	487+63.90	143028.7277	2156585.9674
P.I. STA.	(6640)	493+82.16	142976.9285	2157202.0536
Tangent Direction:		S 85°11'38.40" E		
Tangent Length:		618.26		
Element: Linear				
P.I. STA.	(6640)	493+82.16	142976.9285	2157202.0536
P.O.E. STA.	(6641)	497+84.73	142943.2003	2157603.2082
Tangent Direction:		S 85°11'38.40" E		
Tangent Length:		402.57		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A027
Description: RAMP W of Eastern Ave
Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
P.O.B. STA.	(6636)	460+03.54	142948.3050	2154001.2193
PC. STA.	(6635)	461+89.18	142949.6329	2154192.8546
Tangent Direction:		N 89°35'24.59" E		
Tangent Length:		185.64		
Element: Circular				
PC. STA.	(6635)	461+89.18	142949.6329	2154192.8546
P.I. STA.	( )	463+03.77	142948.1609	2154307.4340
C.C. STA.	(6360)		154407.8474	2154340.0543
P.T. STA.	(6634)	464+18.35	142948.9806	2154422.0198
Radius:		11459.16		
Delta:		1°08'45.06" Left		
Degree of Curvature(Arc):		0°30'00.00"		
Length:		229.17		
Tangent:		114.59		
Chord:		229.17		
Middle Ordinate:		0.57		
External:		0.57		
Tangent Direction:		S 89°15'50.33" E		
Radial Direction:		S 0°44'09.67" W		
Chord Direction:		S 89°50'12.86" E		
Radial Direction:		S 0°24'35.39" E		
Tangent Direction:		N 89°35'24.61" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A027 *CONTINUED
Description: RAMP W of Eastern Ave
Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
P.T. STA.	(6634)	464+18.35	142948.9806	2154422.0198
P.I. STA.	(6633)	465+03.76	142949.5915	2154507.4277
Tangent Direction:		N 89°35'24.57" E		
Tangent Length:		85.41		
Element: Linear				
P.I. STA.	(6633)	465+03.76	142949.5915	2154507.4277
PC. STA.	(6632)	474+04.46	142964.0988	2155408.0108
Tangent Direction:		N 89°04'37.61" E		
Tangent Length:		900.70		
Element: Circular				
PC. STA.	(6632)	474+04.46	142964.0988	2155408.0108
P.I. STA.	( )	474+82.01	142965.3478	2155485.5497
C.C. STA.	(6359)		145828.5173	2155361.8719
P.C.C. STA.	(6631)	475+59.52	142970.7898	2155562.9075
Radius:		2864.79		
Delta:		3°06'04.32" Left		
Degree of Curvature(Arc):		2°00'00.00"		
Length:		155.06		
Tangent:		77.55		
Chord:		155.04		
Middle Ordinate:		1.05		
External:		1.05		
Tangent Direction:		N 89°04'37.86" E		
Radial Direction:		S 0°55'22.14" E		
Chord Direction:		N 87°31'35.70" E		
Radial Direction:		S 4°01'26.46" E		
Tangent Direction:		N 85°58'33.54" E		
Element: Circular				
P.C.C. STA.	(6631)	475+59.52	142970.7898	2155562.9075
P.I. STA.	( )	476+36.85	142976.2166	2155640.0[illegible]2
C.C. STA.	(6358)		143685.2239	2155512.6455
P.T. STA.	(6630)	477+13.58	142997.9835	2155714.2[illegible]8
Radius:		716.20		
Delta:		12°19'29.11" Left		
Degree of Curvature(Arc):		7°59'59.89"		
Length:		154.[illegible]		
Tangent:		7[illegible]		
Chord:		153.[illegible]6		
Middle Ordinate:		4.[illegible]		
External:		4.[illegible]		
Tangent Direction:		N 85°58'32.[illegible]" E		
Radial Direction:		S 4°01'[illegible].3[illegible]" E		
Chord Direction:		N 79°4[illegible]48.1[illegible]		
Radial Direction:		S 6°2[illegible]56.[illegible]" E		
Tangent Direction:		N [illegible]°33[illegible]59" E		
Element: Linear				
P.T. STA.	(663[illegible]	477+13.58	142997.9835	2155714.2468
PC. STA.	(6629)	478+73.60	143043.0271	2155867.7964
Tangent Direction:		N 73°39'03.67" E		
Tangent Length:		160.02		
Element: Circular				
PC. STA.	(6629)	478+73.60	143043.0271	2155867.7964
P.I. STA.	( )	479+67.58	143069.4790	2155957.9775
C.C. STA.	(6357)		143162.9737	2155832.6137
P.T. STA.	(6628)	480+34.77	143163.4587	2155957.6128
Radius:		125.00		
Delta:		73°52'29.62" Left		
Degree of Curvature(Arc):		45°50'11.84"		
Length:		161.17		
Tangent:		93.98		
Chord:		150.24		
Middle Ordinate:		25.09		
External:		31.39		
Tangent Direction:		N 73°39'09.18" E		
Radial Direction:		S 16°20'50.82" E		
Chord Direction:		N 36°42'54.37" E		
Radial Direction:		N 89°46'39.56" E		
Tangent Direction:		N 0°13'20.44" W		
Element: Linear				
P.T. STA.	(6628)	480+34.77	143163.4587	2155957.6128
P.O.E. STA.	(6627)	481+37.66	143266.3435	2155957.2135
Tangent Direction:		N 0°13'20.46" W		
Tangent Length:		102.89		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A028
Description: RAMP SE of I-35
Style: Default

		STATION	NORTHING	EASTING
Element: Circular				
PC. STA.	(6609)	61+24.30	141145.5900	2151069.7825
P.I. STA.	( )	62+45.08	141200.8776	2150962.3940
C.C. STA.	(6362)		141323.4077	2151161.3296
P.T. STA.	(6611)	63+41.62	141321.6579	2150961.3373
Radius:		200.00		
Delta:		62°15'27.49" Right		
Degree of Curvature(Arc):		28°38'52.40"		
Length:		217.32		
Tangent:		120.78		
Chord:		206.79		
Middle Ordinate:		28.80		
External:		33.64		
Tangent Direction:		N 62°45'32.11" W		
Radial Direction:		N 27°14'27.89" E		
Chord Direction:		N 31°37'48.37" W		
Radial Direction:		N 89°29'55.37" E		
Tangent Direction:		N 0°30'04.63" W		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A029
Description: SE 59TH ST
Style: Default

		STATION	NORTHING	EASTING
Element: Li[illegible]				
P.O.B. STA.	([illegible]432)	95+00.00	148281.8565	2150629.0492
P.I. STA.	(3169)	97+60.93	148284.7529	2150889.9611
Tangent Direction:		N 89°21'50.32" E		
Tangent Length:		260.93		
Element: Linear				
P.I. STA.	(3169)	97+60.93	148284.7529	2150889.9611
P.I. STA.	(1076)	100+00.01	148285.8404	2151129.0452
Tangent Direction:		N 89°44'21.76" E		
Tangent Length:		239.09		
Element: Linear				
P.I. STA.	(1076)	100+00.01	148285.8404	2151129.0452
P.O.E. STA.	(6433)	105+00.01	148288.1146	2151629.0400
Tangent Direction:		N 89°44'21.83" E		
Tangent Length:		500.00		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A030
Description: SE 66TH ST
Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
P.O.B. STA.	(6434)	204+02.99	145632.8756	2150308.8319
P.I. STA.	(6007)	209+02.99	145637.9859	2150808.8068
Tangent Direction:		N 89°24'51.81" E		
Tangent Length:		500.00		
Element: Linear				
P.I. STA.	(6007)	209+02.99	145637.9859	2150808.8068
P.I. STA.	(3040)	210+00.01	145638.9775	2150905.8228
Tangent Direction:		N 89°24'51.84" E		
Tangent Length:		97.02		
Element: Linear				
P.I. STA.	(3040)	210+00.01	145638.9775	2150905.8228
P.O.E. STA.	(6431)	214+02.99	145641.3027	2151308.7961
Tangent Direction:		N 89°40'09.86" E		
Tangent Length:		402.98		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A031
Description: SE 82ND ST
Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
P.O.B. STA.	(6435)	10+00.00	140344.3985	2150347.8788
P.I. STA.	(6436)	15+00.00	140349.2465	2150847.8553
Tangent Direction:		N 89°26'40.01" E		
Tangent Length:		500.00		
Element: Linear				
P.I. STA.	(6436)	15+00.00	140349.2465	2150847.8553
P.I. STA.	(6437)	15+97.21	140350.1890	2150945.0567
Tangent Direction:		N 89°26'40.00" E		
Tangent Length:		97.21		
Element: Linear				
P.I. STA.	(6437)	15+97.21	140350.1890	2150945.0567
P.O.E. STA.	(6438)	20+00.00	140353.1779	2151347.8356
Tangent Direction:		N 89°34'29.43" E		
Tangent Length:		402.79		

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS		
DESCRIPTION		DATE
EASTING		5/27/2022

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 0903(06) SHEET NO. S024

OKLAHOMA COUNTY

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A032
Description: RAMP N of 66TH ST
Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
P.O.B. STA.	(6519)	108+36.33	145854.8320	2150697.5039
PC. STA.	(6520)	108+50.48	145867.1285	2150704.5051
Tangent Direction:		N 29°39'20.67" E		
Tangent Length:		14.15		
Element: Circular				
PC. STA.	(6520)	108+50.48	145867.1285	2150704.5051
P.I. STA.	( )	108+56.33	145872.2159	2150707.4017
C.C. STA.	(6332)	145879.4980	2150682.7797	
P.T. STA.	(6521)	108+61.98	145878.0604	2150707.7383
Radius:		25.00		
Delta:		26°21'31.3" Left		
Degree of Curvature(Arc):		229°10'59.22"		
Length:		11.50		
Tangent:		5.85		
Chord:		11.40		
Middle Ordinate:		0.66		
External:		0.68		
Tangent Direction:		N 29°39'18.84" E		
Radial Direction:		S 60°20'41.16" E		
Chord Direction:		N 16°28'33.17" E		
Radial Direction:		S 86°42'12.50" E		
Tangent Direction:		N 3°17'47.50" E		
Element: Linear				
P.T. STA.	(6521)	108+61.98	145878.0604	2150707.7383
PC. STA.	(6522)	114+45.63	146460.7450	2150741.2951
Tangent Direction:		N 3°17'45.67" E		
Tangent Length:		583.65		
Element: Circular				
PC. STA.	(6522)	114+45.63	146460.7450	2150741.2951
P.I. STA.	( )	115+27.47	146542.4496	2150746.0004
C.C. STA.	(6333)	146350.9383	2152647.9948	
P.T. STA.	(6523)	116+09.21	146623.4523	2150757.6780
Radius:		1909.86		
Delta:		4°54'26.64" Right		
Degree of Curvature(Arc):		3°00'00.00"		
Length:		163.58		
Tangent:		81.84		
Chord:		163.53		
Middle Ordinate:		1.75		
External:		1.75		
Tangent Direction:		N 3°17'45.67" E		
Radial Direction:		S 86°42'14.33" E		
Chord Direction:		N 5°44'58.99" E		
Radial Direction:		S 81°47'47.69" E		
Tangent Direction:		N 8°12'12.31" E		
Element: Linear				
P.T. STA.	(6523)	116+09.21	146623.4523	2150757.6780
P.O.E. STA.	(6524)	117+22.19	146735.2762	2150773.7989
Tangent Direction:		N 8°12'12.31" E		
Tangent Length:		112.98		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A033
Description: RAMP SE 59TH ST
Style: Default

		STATION	NORTHING	EASTING
Element: Circular				
PC. STA.	(6551)	118+98.74	146912.5656	2150877.5204
P.I. STA.	( )	121+16.91	147129.7417	2150898.3511
C.C. STA.	(6334)	146730.2164	2152778.6543	
P.T. STA.	(6550)	123+33.20	147336.6247	2150967.6242
Radius:		1909.86		
Delta:		13°02'01.92" Right		
Degree of Curvature(Arc):		3°00'00.00"		
Length:		434.46		
Tangent:		218.17		
Chord:		433.53		
Middle Ordinate:		12.34		
External:		12.42		
Tangent Direction:		N 5°28'43.77" E		
Radial Direction:		S 84°31'16.23" E		
Chord Direction:		N 11°59'44.73" E		
Radial Direction:		S 71°29'14.31" E		
Tangent Direction:		N 18°30'45.69" E		
Element: Linear				
P.T. STA.	(6550)	123+33.20	147336.6247	2150967.6242
P.I. STA.	(6549)	123+52.20	147342.6575	2150949.6074
Tangent Direction:		N 71°29'14.30" W		
Tangent Length:		19.00		
Element: Linear				
P.I. STA.	(6549)	123+52.20	147342.6575	2150949.6074
PC. STA.	(6548)	125+65.37	147544.7967	2151017.2920
Tangent Direction:		N 18°30'45.70" E		
Tangent Length:		213.17		
Element: Circular				
PC. STA.	(6548)	125+65.37	147544.7967	2151[illegible]2920
P.I. STA.	( )	126+31.63	147607.6266	2151038.[illegible]01
C.C. STA.	(6335)	148013.5352	2149617.4112	
P.T. STA.	(6547)	126+97.80	147672.0887	2151053.[illegible]
Radius:		1476.27		
Delta:		5°08'22.89" Left		
Degree of Curvature(Arc):		3°52'52.00"		
Length:		132.43		
Tangent:		66.[illegible]		
Chord:		13[illegible]8		
Middle Ordinate:		[illegible]8		
External:		1.[illegible]		
Tangent Direction:		N 18°[illegible]0'45.[illegible]1" E		
Radial Direction:		S 71°29'14.[illegible]" E		
Chord Direction:		N 15°56'[illegible].2[illegible] E		
Radial Direction:		76°3[illegible]37.1[illegible]		
Tangent Direction:		N 3°2[illegible]22.[illegible]" E		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A036
Description:
Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
P.O.B. STA.	(6662)	121+03.47	147128.1840	2150795.2048
P.O.E. STA.	(6663)	126+27.61	147647.8237	2150863.7415
Tangent Direction:		N 7°30'48.72" E		
Tangent Length:		524.14		

Project Name: EC-1060*Crossroads
Description: survey alg for Crossroads Interchange
Horizontal Alignment Name: A036-1
Description:
Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
P.O.B. STA.	(6664)	125+41.98	147565.9896	2150864.0401
PC. STA.	(6665)	126+22.81	147645.5052	2150878.5574
Tangent Direction:		N 10°20'47.73" E		
Tangent Length:		80.83		
Element: Circular				
PC. STA.	(6665)	126+22.81	147645.5052	2150878.5574
P.I. STA.	( )	127+53.12	147773.6995	2150901.9619
C.C. STA.	(6668)	147895.6423	2149508.4761	
P.T. STA.	(6666)	128+82.68	147904.0104	2150901.1789
Radius:		1392.73		
Delta:		10°41'27.07" Left		
Degree of Curvature(Arc):		4°06'50.13"		
Length:		259.87		
Tangent:		130.31		
Chord:		259.49		
Middle Ordinate:		6.06		
External:		6.08		
Tangent Direction:		N 10°20'47.74" E		
Radial Direction:		S 79°39'12.26" E		
Chord Direction:		N 5°00'04.21" E		
Radial Direction:		N 89°39'20.67" E		
Tangent Direction:		N 0°20'39.33" W		
Element: Linear				
P.T. STA.	(6666)	128+82.68	147904.0104	2150901.1789
P.O.E. STA.	(6667)	129+43.46	147964.7893	2150900.8138
Tangent Direction:		N 0°20'39.33" W		
Tangent Length:		60.78		

Preliminary Plans

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	

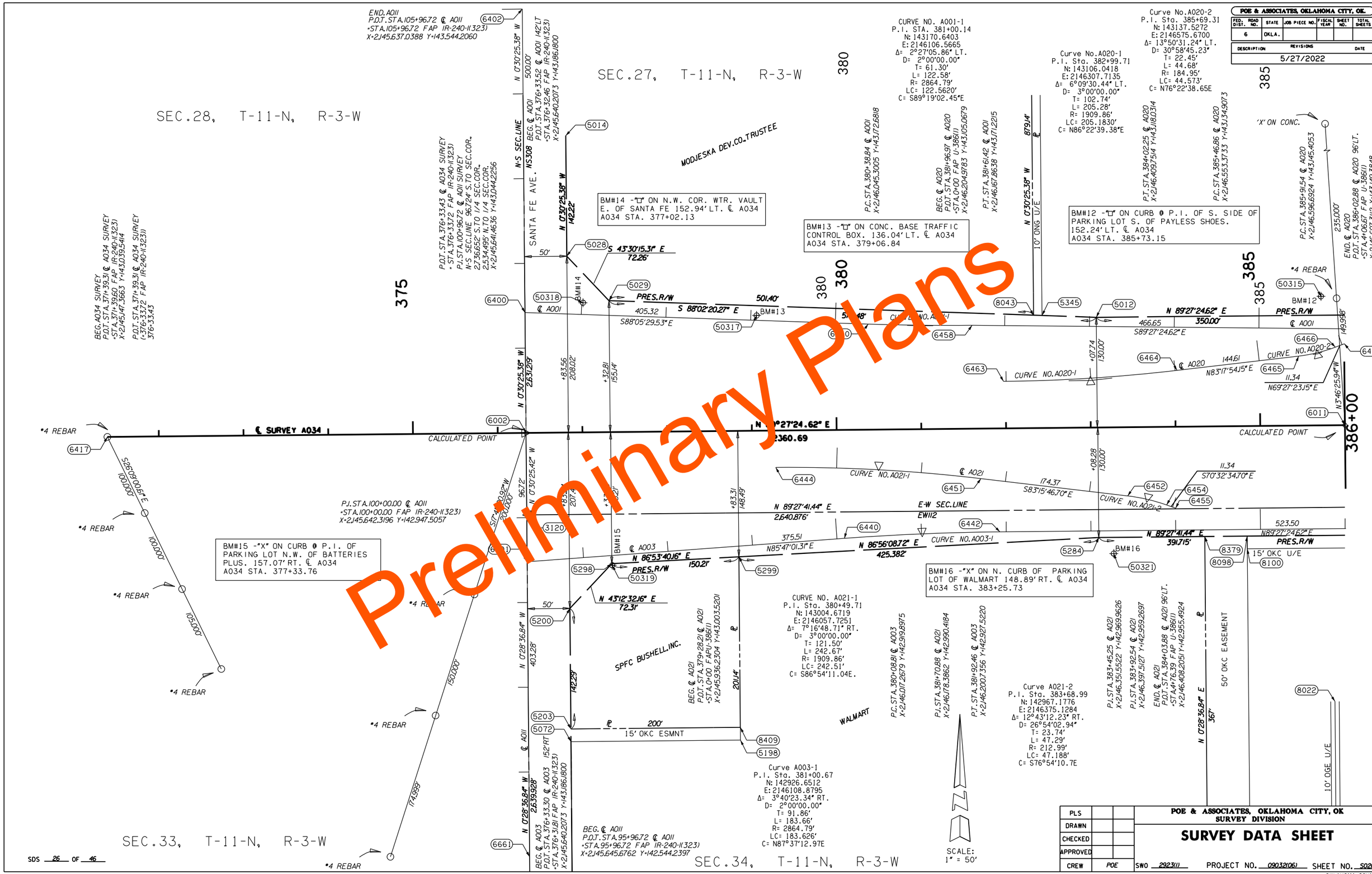
PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

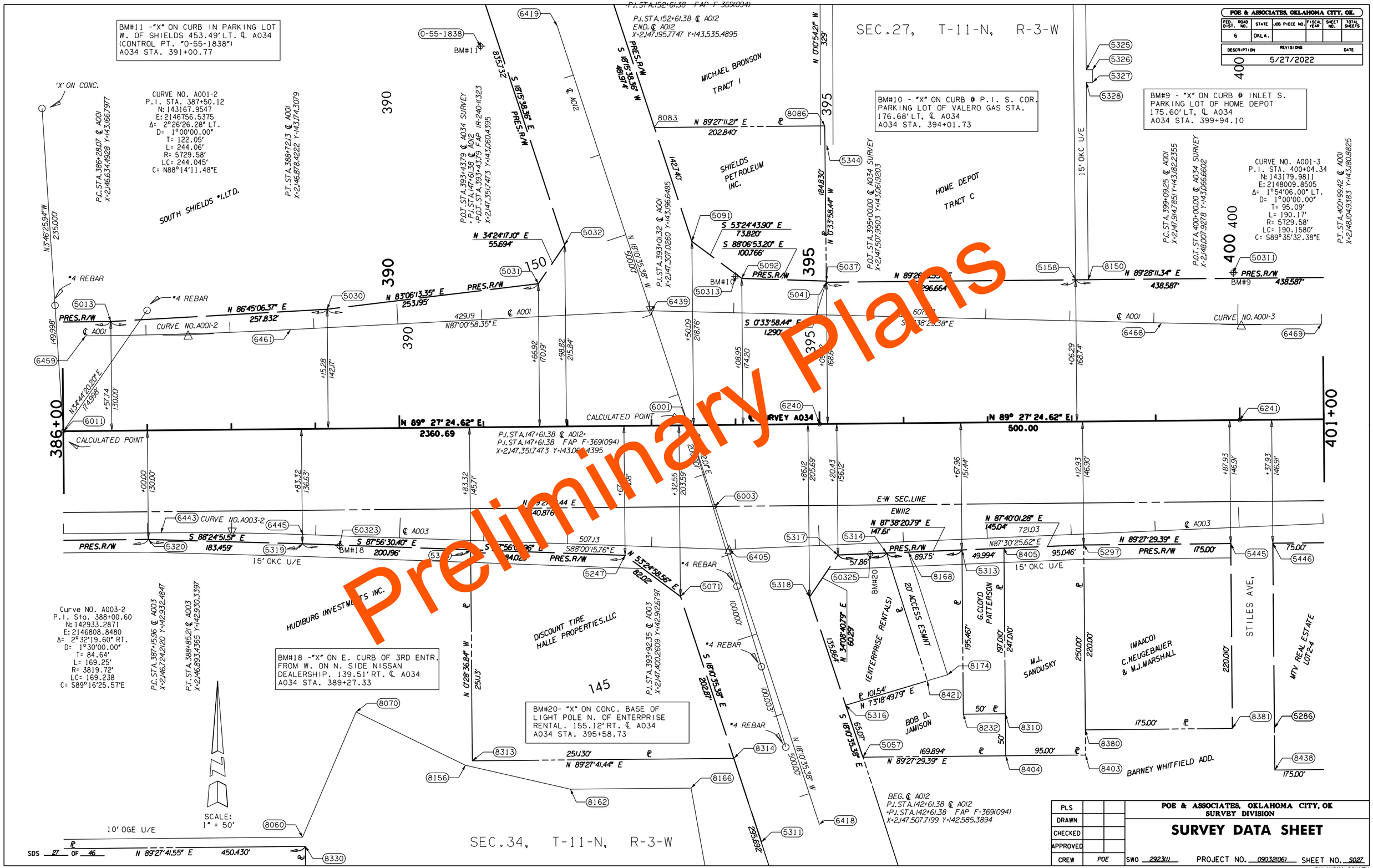
POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

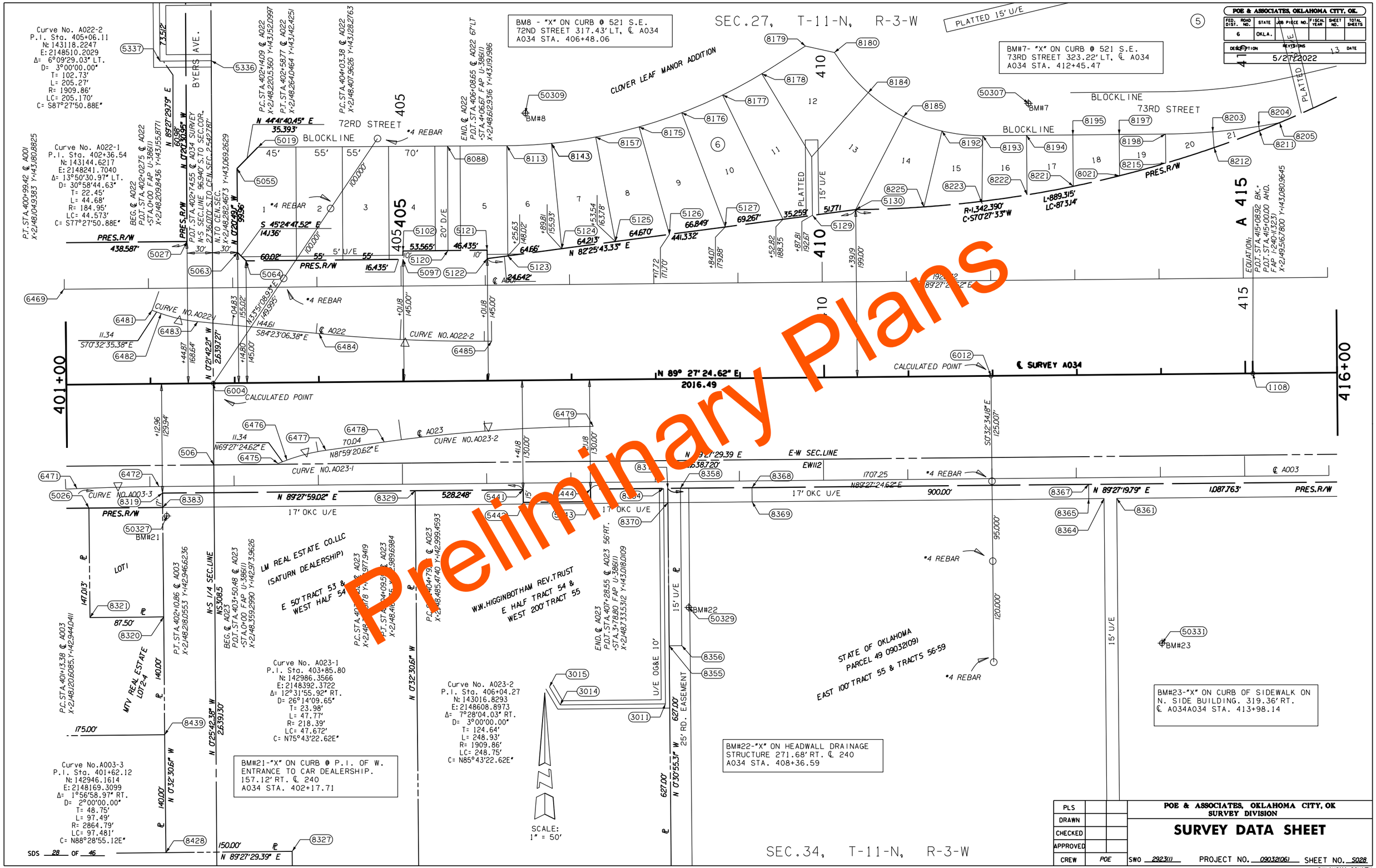
SURVEY DATA SHEET

SWO 2923(I) PROJECT NO. 0903Z(06) SHEET NO. S025

OKLAHOMA COUNTY


POE & ASSOCIATES, OKLAHOMA CITY, OK.
FED. ROAD DIST. NO. | STATE | JOB PIECE NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS
6 | OKLA.
DESCRIPTION | REVISIONS | DATE
5/27/2022
Preliminary Plans
SEC.28, T-11-N, R-3-W
SEC.27, T-11-N, R-3-W
SEC.33, T-11-N, R-3-W
SEC.34, T-11-N, R-3-W
END.A011
P.O.T.STA.105+96.72 ℄ A011
=STA.105+96.72 FAP IR-240-I(323)
X=2,145,637.0388 Y=143,544.2060
BEG.A034 SURVEY
P.O.T.STA.371+39.31 ℄ A034 SURVEY
=STA.371+39.60 FAP IR-240-I(323)
X=2,145,147.3663 Y=143,039.5414
P.O.T.STA.371+39.31 ℄ A034 SURVEY
(=376+33.72 FAP IR-240-I(323))
376+33.43
P.O.T.STA.376+33.43 ℄ A034 SURVEY
=STA.376+33.72 FAP IR-240-I(323)
P.I.STA.100+96.72 ℄ A011 SURVEY
N-S SEC.LINE 96.724' S.TO SEC.COR.
2736.652' S.TO 1/4 SECTION CORNER
2,534,495' N.TO 1/4 SECTION CORNER
X=2,145,641.4636 Y=143,044.2256
N-S SEC.LINE
SANTA FE AVE.
NS308
BEG.℄ A001
P.O.T.STA.376+33.52 ℄ A001 142'LT
=STA.376+32.46 FAP IR-240-I(323)
X=2,145,640.2073 Y=143,186.1800
N 0°30'25.38" W
500.00'
N 0°30'25.38" W
142.22'
N 0°30'25.38" W
2,631.219'
N 0°30'25.42" W
96.72'
N 0°28'36.84" W
403.28'
N 0°28'36.84" W
2,639.928'
MODJESKA DEV.CO.TRUSTEE
BM#14 -"□" ON N.W. COR. WTR. VAULT
E. OF SANTA FE 152.94' LT. ℄ A034
A034 STA. 377+02.13
S 43°30'15.31" E
72.26'
PRES.R/W
501.40'
S 88°02'20.27" E
405.32
S88°05'29.53"E
℄ A001
BM#13 -"□" ON CONC. BASE TRAFFIC
CONTROL BOX. 136.04' LT. ℄ A034
A034 STA. 379+06.84
P.C.STA.380+38.84 ℄ A001
X=2,146,045.3005 Y=143,172.6818
BEG.℄ A020
P.O.T.STA.381+96.97 ℄ A020
=STA.0+00 FAP U-386(1)
X=2,146,204.9783 Y=143,105.0679
P.T.STA.381+61.42 ℄ A001
X=2,146,167.86.38 Y=143,171.2215
N 0°30'25.38" W
879.14'
10' ONG U/E
CURVE NO. A001-1
P.I. STA. 381+00.14
N: 143170.6403
E: 2146106.5665
Δ= 2°27'05.86" LT.
D= 2°00'00.00"
T= 61.30'
L= 122.58'
R= 2864.79'
LC= 122.5620'
C= S89°19'02.45"E
Curve No.A020-1
P.I. Sta. 382+99.71
N: 143106.0418
E: 2146307.7135
Δ= 6°09'30.44" LT.
D= 3°00'00.00"
T= 102.74'
L= 205.28'
R= 1909.86'
LC= 205.1830'
C= N86°22'39.38"E
Curve No.A020-2
P.I. Sta. 385+69.31
N: 143137.5272
E: 2146575.6700
Δ= 13°50'31.24" LT.
D= 30°58'45.23"
T= 22.45'
L= 44.68'
R= 184.95'
LC= 44.573'
C= N76°22'38.65E
P.T.STA.384+02.25 ℄ A020
X=2,146,403.75.14 Y=143,118.0314
P.C.STA.385+46.86 ℄ A020
X=2,146,553.37.33 Y=143,134.9073
'X' ON CONC.
BM#12 -"□" ON CURB @ P.I. OF S. SIDE OF
PARKING LOT S. OF PAYLESS SHOES.
152.24' LT. ℄ A034
A034 STA. 385+73.15
P.C.STA.385+91.54 ℄ A020
X=2,146,596.6924 Y=143,145.4053
235.000'
END.℄ A020
P.O.T.STA.386+02.88 ℄ A020 96'LT.
=STA.4+06.67 FAP U-386(1)
X=2,146,607.3112 Y=143,149.3848
*4 REBAR
BM#12
N 89°27'24.62" E
350.00'
466.65
S89°27'24.62" E
PRES.R/W
℄ A001
149.998'
386+00
℄ SURVEY A034
CALCULATED POINT
N 89°27'24.62" E
2,360.69
CURVE NO. A020-1
144.61
N83°17'54.15" E
CURVE NO. A020-2
11.34
N69°27'23.15" E
N13°46'25.94" W
CURVE NO. A021-1
℄ A021
174.37
S83°15'46.70" E
CURVE NO. A021-2
11.34
S70°32'34.70" E
N 89°27'41.44" E
2,640.876'
E-W SEC.LINE
EW112
523.50
N89°27'24.62" E
PRES.R/W
℄ A003
N 86°53'40.16" E
150.21'
375.51
N85°47'01.31" E
N 86°56'08.72" E
425.382'
CURVE NO. A003-1
N 89°27'41.44" E
391.715'
15' OKC U/E
BM#16 -"X" ON N. CURB OF PARKING
LOT OF WALMART 148.89' RT. ℄ A034
A034 STA. 383+25.73
N 43°12'32.16" E
72.31'
SPFC BUSHELL,INC.
CURVE NO. A021-1
P.I. Sta. 380+49.71
N: 143004.6719
E: 2146057.7251
Δ= 7°16'48.71" RT.
D= 3°00'00.00"
T= 121.50'
L= 242.67'
R= 1909.86'
LC= 242.51'
C= S86°54'11.04E.
BEG.℄ A021
P.O.T.STA.379+28.21 ℄ A021
=STA.0+00 FAPU-386(1)
X=2,145,936.2304 Y=143,003.5201
P.C.STA.380+08.81 ℄ A003
X=2,146,017.267.9 Y=142,919.8975
P.I.STA.381+70.88 ℄ A021
X=2,146,178.3862 Y=142,990.4184
P.T.STA.381+92.46 ℄ A003
X=2,146,200.7356 Y=142,927.5220
WALMART
Curve A021-2
P.I. Sta. 383+68.99
N: 142967.1776
E: 2146375.1284
Δ= 12°43'12.23" RT.
D= 26°54'02.94"
T= 23.74'
L= 47.29'
R= 212.99'
LC= 47.188'
C= S76°54'10.7E
P.I.STA.383+45.25 ℄ A021
X=2,146,351.5522 Y=142,969.9626
P.I.STA.383+92.54 ℄ A021
X=2,146,397.5127 Y=142,959.2697
END.℄ A021
P.O.T.STA.384+03.88 ℄ A021 96'LT.
=STA.4+76.39 FAP U-386(1)
X=2,146,408.2051 Y=142,955.4924
N 0°28'36.84" E
367'
50' OKC EASEMENT
10' OGE U/E
BM#15 -"X" ON CURB @ P.I. OF
PARKING LOT N.W. OF BATTERIES
PLUS. 157.07' RT. ℄ A034
A034 STA. 377+33.76
P.J.STA.100+00.00 ℄ A011
=STA.100+00.00 FAP IR-240-I(323)
X=2,145,642.3196 Y=142,947.5057
S 0°00'00.29" E
100.000'
100.000'
105.000'
150.000'
174.999'
15' OKC ESMNT
200'
℄ A003
Curve A003-1
P.I. Sta. 381+00.67
N: 142926.6512
E: 2146108.8795
Δ= 3°40'23.34" RT.
D= 2°00'00.00"
T= 91.86'
L= 183.66'
R= 2864.79'
LC= 183.626'
C= N87°37'12.97E
BEG.℄ A003
P.O.T.STA.376+33.30 ℄ A003 152'RT
=STA.376+31.81 FAP IR-240-I(323)
X=2,145,640.2073 Y=143,186.1800
BEG.℄ A011
P.O.T.STA.95+96.72 ℄ A011
=STA.95+96.72 FAP IR-240-I(323)
X=2,145,645.6762 Y=142,544.2397
SCALE:
1" = 50'
PLS
DRAWN
CHECKED
APPROVED
CREW POE
POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION
SURVEY DATA SHEET
SWO 2923(1)
PROJECT NO. 09032(06)
SHEET NO. S026
OKLAHOMA COUNTY
SDS 26 OF 46


POE & ASSOCIATES, OKLAHOMA CITY, OK.
FED. ROAD DIST. NO. 6
STATE OKLA.
JOB PIECE NO.
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
REVISIONS
DESCRIPTION
DATE
5/27/2022
SEC.27, T-11-N, R-3-W
BM#11 -"X" ON CURB IN PARKING LOT W. OF SHIELDS 453.49' LT. ℄ A034 (CONTROL PT. "0-55-1838") A034 STA. 391+00.77
BM#10 - "X" ON CURB @ P.I. S. COR. PARKING LOT OF VALERO GAS STA. 176.68' LT. ℄ A034 A034 STA. 394+01.73
BM#9 - "X" ON CURB @ INLET S. PARKING LOT OF HOME DEPOT 175.60' LT. ℄ A034 A034 STA. 399+94.10
CURVE NO. A001-2
P.I. STA. 387+50.12
N: 143167.9547
E: 2146756.5375
Δ= 2°26'26.28" LT.
D= 1°00'00.00"
T= 122.05'
L= 244.06'
R= 5729.58'
LC= 244.045'
C= N88°14'11.48"E
CURVE NO. A001-3
P.I. STA. 400+04.34
N: 143179.9811
E: 2148009.8505
Δ= 1°54'06.00" LT.
D= 1°00'00.00"
T= 95.09'
L= 190.17'
R= 5729.58'
LC= 190.1580'
C= S89°35'32.38"E
Curve NO. A003-2
P.I. Sta. 388+00.60
N: 142933.2871
E: 2146808.8480
Δ= 2°32'19.60" RT.
D= 1°30'00.00"
T= 84.64'
L= 169.25'
R= 3819.72'
LC= 169.238
C= S89°16'25.57"E
SOUTH SHIELDS #1.LTD.
MICHAEL BRONSON TRACT I
SHIELDS PETROLEUM INC.
HOME DEPOT TRACT C
HUDIBURG INVESTMENTS INC.
DISCOUNT TIRE HALLE PROPERTIES.LLC
(ENTERPRISE RENTALS)
20' ACCESS ESMNT
G.CLOYD PATTERSON
M.J. SANDUSKY
(MAACO) C.NEUGEBAUER & M.J.MARSHALL
STILES AVE.
MTY REAL ESTATE LOT 2-4
BOB D. JAMISON
BARNEY WHITFIELD ADD.
BM#18 -"X" ON E. CURB OF 3RD ENTR. FROM W. ON N. SIDE NISSAN DEALERSHIP. 139.51' RT. ℄ A034 A034 STA. 389+27.33
BM#20- "X" ON CONC. BASE OF LIGHT POLE N. OF ENTERPRISE RENTAL. 155.12' RT. ℄ A034 A034 STA. 395+58.73
N 89° 27' 24.62" E 2360.69
N 89° 27' 24.62" E 500.00
CALCULATED POINT
E-W SEC.LINE
SCALE: 1" = 50'
SEC.34, T-11-N, R-3-W
BEG. ℄ A012
P.J. STA.142+61.38 ℄ A012
=P.J. STA.142+61.38 FAP F-369(094)
X=2,147,507.7199 Y=142,585.3894
POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION
SURVEY DATA SHEET
PLS
DRAWN
CHECKED
APPROVED
CREW POE
SWO 2923(1)
PROJECT NO. 0903.2(06)
SHEET NO. S027
OKLAHOMA COUNTY
SDS 27 OF 46
Preliminary Plans


SEC.27, T-11-N, R-3-W
SEC.34, T-11-N, R-3-W
POE & ASSOCIATES, OKLAHOMA CITY, OK.
FED. ROAD DIST. NO. | STATE | JOB PIECE NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS
6 | OKLA.
DESCRIPTION | REVISIONS | DATE
5/27/2022
BM8 - "X" ON CURB @ 521 S.E. 72ND STREET 317.43' LT, ℄ A034 A034 STA. 406+48.06
BM#7- "X" ON CURB @ 521 S.E. 73RD STREET 323.22' LT, ℄ A034 A034 STA. 412+45.47
CLOVER LEAF MANOR ADDITION
PLATTED 15' U/E
BYERS AVE.
72RD STREET
73RD STREET
BLOCKLINE
PRES.R/W
Curve No. A022-2 P.I. Sta. 405+06.11 N: 143118.2247 E: 2148510.2029 Δ= 6°09'29.03" LT. D= 3°00'00.00" T= 102.73' L= 205.27' R= 1909.86' LC= 205.170' C= S87°27'50.88"E
Curve No. A022-1 P.I. Sta. 402+36.54 N: 143144.6217 E: 2148241.7040 Δ= 13°50'30.97" LT. D= 30°58'44.63" T= 22.45' L= 44.68' R= 184.95' LC= 44.573' C= S77°27'50.88"E
CURVE NO. A022-1
CURVE NO. A022-2
CALCULATED POINT
℄ SURVEY A034
N 89° 27' 24.62" E 2016.49
CURVE NO. A023-1
CURVE NO. A023-2
CURVE NO. A003-3
E-W SEC.LINE
N 89°27'59.02" E 528.248'
N 89°27'19.79" E 1,087.763'
17' OKC U/E
LM REAL ESTATE CO.LLC (SATURN DEALERSHIP)
E 50' TRACT 53 & WEST HALF 54
W.W.HIGGINBOTHAM REV.TRUST E HALF TRACT 54 & WEST 200' TRACT 55
STATE OF OKLAHOMA PARCEL 49 09032(09) EAST 100' TRACT 55 & TRACTS 56-59
MTV REAL ESTATE LOT 2-4
LOT 1
N-S 1/4 SECTION LINE
Curve No. A023-1 P.I. Sta. 403+85.80 N: 142986.3566 E: 2148392.3722 Δ= 12°31'55.92" RT. D= 26°14'09.65" T= 23.98' L= 47.77' R= 218.39' LC= 47.672' C= N75°43'22.62E"
Curve No. A023-2 P.I. Sta. 406+04.27 N: 143016.8293 E: 2148608.8973 Δ= 7°28'04.03" RT. D= 3°00'00.00" T= 124.64' L= 248.93' R= 1909.86' LC= 248.75' C= N85°43'22.62E"
Curve No.A003-3 P.I. Sta. 401+62.12 N: 142946.1614 E: 2148169.3099 Δ= 1°56'58.97" RT. D= 2°00'00.00" T= 48.75' L= 97.49' R= 2864.79' LC= 97.481' C= N88°28'55.12E"
BM#21-"X" ON CURB @ P.I. OF W. ENTRANCE TO CAR DEALERSHIP. 157.12' RT. ℄ 240 A034 STA. 402+17.71
BM#22-"X" ON HEADWALL DRAINAGE STRUCTURE 271.68' RT. ℄ 240 A034 STA. 408+36.59
BM#23-"X" ON CURB OF SIDEWALK ON N. SIDE BUILDING. 319.36' RT. ℄ A034A034 STA. 413+98.14
SCALE: 1" = 50'
EQUATION: P.O.T. STA. 415+08.92 BK.= P.O.T. STA. 415+00.00 AHD. FAP 1-240-1(323) X=2,149,516.7800 Y=143,080.9645
A 415
401+00
416+00
Preliminary Plans
PLS
DRAWN
CHECKED
APPROVED
CREW POE
POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
SURVEY DATA SHEET
SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S028
SDS 28 OF 46
OKLAHOMA COUNTY
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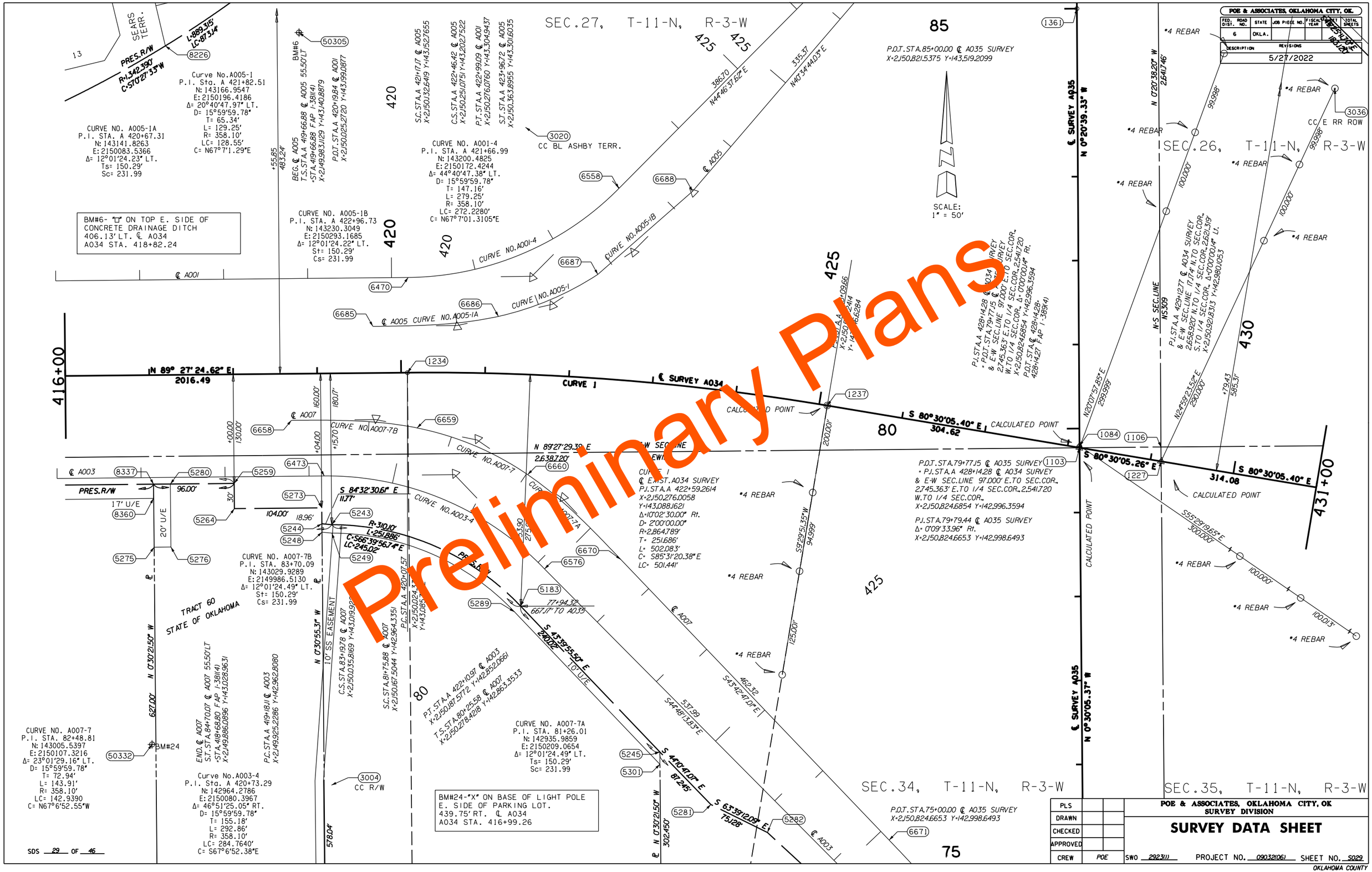
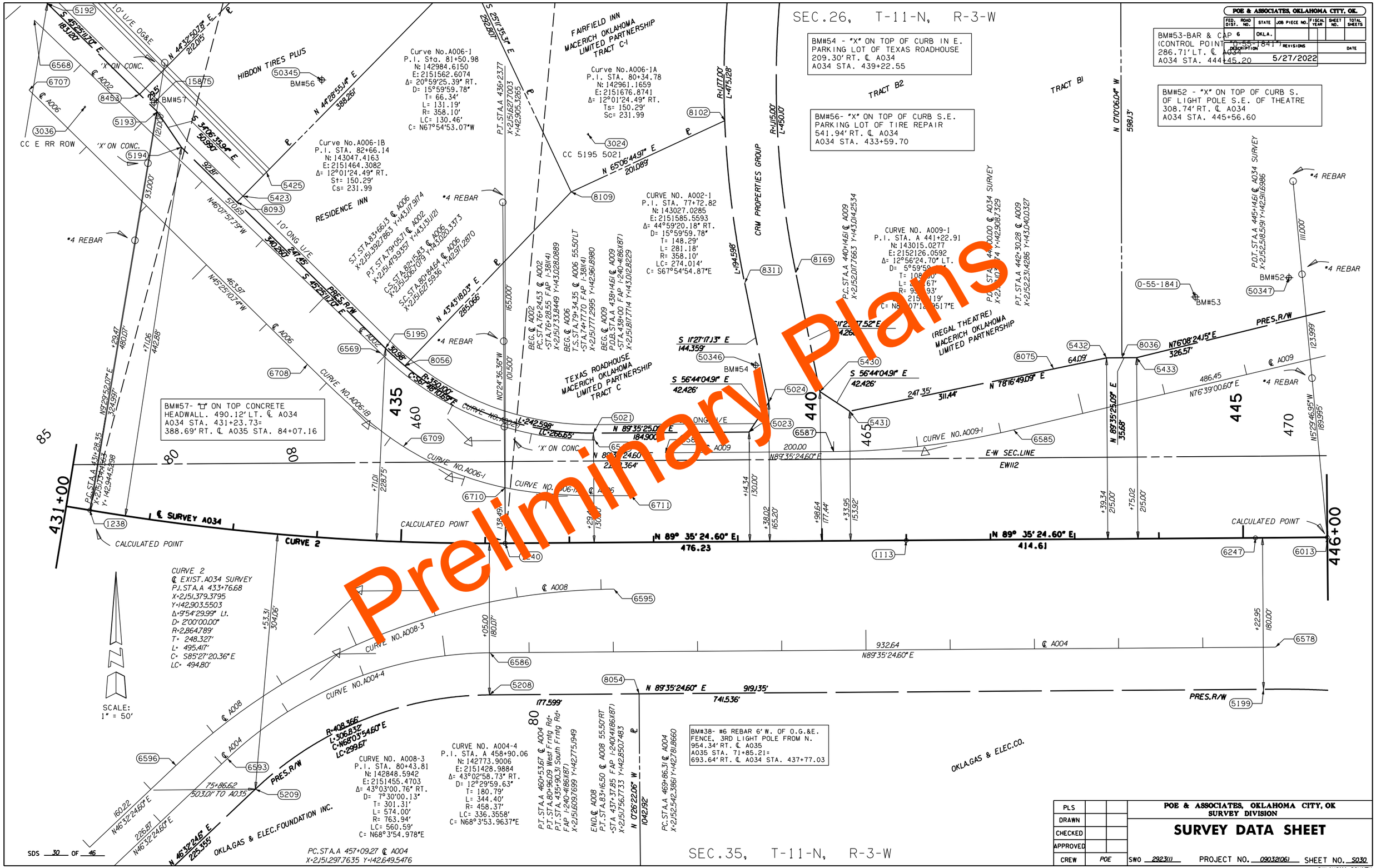
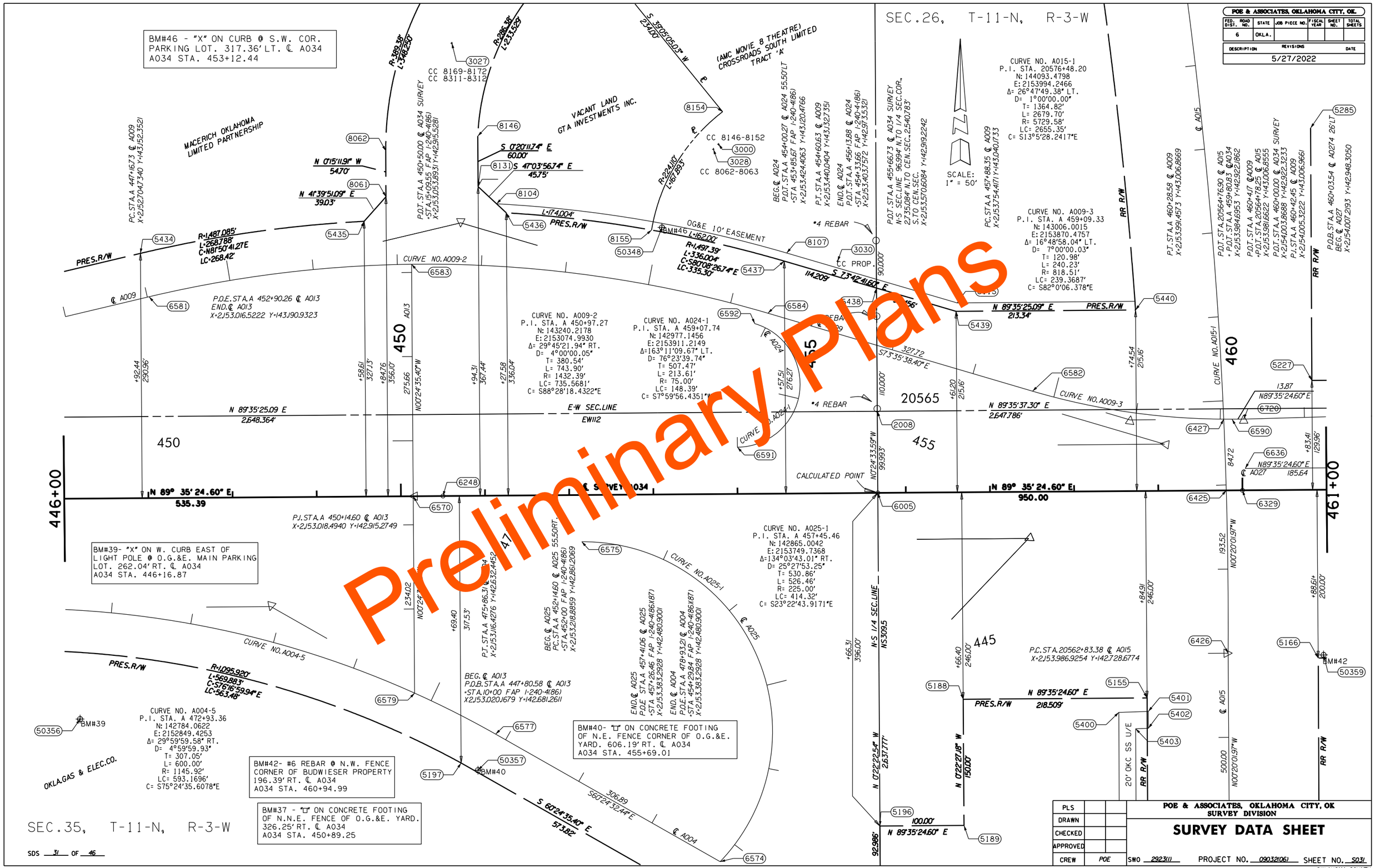

SEC.27, T-11-N, R-3-W
SEC.26, T-11-N, R-3-W
SEC.34, T-11-N, R-3-W
SEC.35, T-11-N, R-3-W
SEARS TERR.
PRES.R/W
R=1,542.390'
C-S70°27'33"W
L=889.315'
LC=87.514'
Curve No.A005-1
P.I. Sta. A 421+82.51
N: 143166.9547
E: 2150196.4186
Δ= 20°40'47.97" LT.
D= 15°59'59.78"
T= 65.34'
L= 129.25'
R= 358.10'
LC= 128.55'
C= N67°7'1.29"E
CURVE NO. A005-1A
P.I. STA. A 420+67.31
N: 143141.8263
E: 2150083.5366
Δ= 12°01'24.23" LT.
Ts= 150.29'
Sc= 231.99
BM#6- "□" ON TOP E. SIDE OF CONCRETE DRAINAGE DITCH 406.13' LT. ℄ A034 A034 STA. 418+82.24
CURVE NO. A005-1B
P.I. STA. A 422+96.73
N: 143230.3049
E: 2150293.1685
Δ= 12°01'24.22" LT.
St= 150.29'
Cs= 231.99
CURVE NO. A001-4
P.I. STA. A 421+66.99
N: 143200.4825
E: 2150172.4244
Δ= 44°40'47.38" LT.
D= 15°59'59.78"
T= 147.16'
L= 279.25'
R= 358.10'
LC= 272.2280'
C= N67°7'01.3105"E
CC BL ASHBY TERR.
85
P.O.T. STA. 85+00.00 ℄ A035 SURVEY
X=2,150,821.5375 Y=143,519.2099
SCALE: 1" = 50'
℄ SURVEY A035
N 0°20'39.33" W
N 0°20'38.20" W
2,641.46'
CC E RR ROW
N-S SEC. LINE
N5309
416+00
N 89° 27' 24.62" E
2016.49
CURVE 1
℄ SURVEY A034
CALCULATED POINT
S 80°30'05.40" E
304.62
S 80°30'05.26" E
314.08
S 80°30'05.40" E
431+00
80
425
430
℄ A003
℄ A007
CURVE NO. A007-7B
CURVE NO. A007-7
CURVE NO. A003-4
CURVE NO. A007-7A
CURVE NO. A005-1B
CURVE NO. A001-4
CURVE NO. A005-1
CURVE NO. A005-1A
PRES.R/W
17' U/E
20' U/E
10' SS EASEMENT
10' U/E
TRACT 60
STATE OF OKLAHOMA
CURVE NO. A007-7B
P.I. STA. 83+70.09
N: 143029.9289
E: 2149986.5130
Δ= 12°01'24.49" LT.
St= 150.29'
Cs= 231.99
CURVE NO. A007-7
P.I. STA. 82+48.81
N: 143005.5397
E: 2150107.3216
Δ= 23°01'29.16" LT.
D= 15°59'59.78"
T= 72.94'
L= 143.91'
R= 358.10'
LC= 142.9390
C= N67°6'52.55"W
BM#24
Curve No.A003-4
P.I. Sta. A 420+73.29
N: 142964.2786
E: 2150080.3967
Δ= 46°51'25.05" RT.
D= 15°59'59.78"
T= 155.18'
L= 292.86'
R= 358.10'
LC= 284.7640'
C= S67°6'52.38"E
CC R/W
CURVE NO. A007-7A
P.I. STA. 81+26.01
N: 142935.9859
E: 2150209.0654
Δ= 12°01'24.49" LT.
Ts= 150.29'
Sc= 231.99
BM#24-"X" ON BASE OF LIGHT POLE E. SIDE OF PARKING LOT. 439.75' RT. ℄ A034 A034 STA. 416+99.26
P.O.T. STA. 75+00.00 ℄ A035 SURVEY
X=2,150,824.6653 Y=142,998.6493
75
SDS 29 OF 46
POE & ASSOCIATES, OKLAHOMA CITY, OK.
FED. ROAD DIST. NO. 6
STATE OKLA.
JOB PIECE NO.
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
DESCRIPTION
REVISIONS
5/27/2022
PLS
DRAWN
CHECKED
APPROVED
CREW POE
POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION
SURVEY DATA SHEET
SWO 2923(1)
PROJECT NO. 09032(06)
SHEET NO. S029
OKLAHOMA COUNTY
Preliminary Plans


SEC.26, T-11-N, R-3-W
BM#54 - "X" ON TOP OF CURB IN E. PARKING LOT OF TEXAS ROADHOUSE 209.30' RT. ℄ A034 A034 STA. 439+22.55
BM#56- "X" ON TOP OF CURB S.E. PARKING LOT OF TIRE REPAIR 541.94' RT. ℄ A034 A034 STA. 433+59.70
BM#53-BAR & CAP (CONTROL POINT 0-55-1841) 286.71' LT. ℄ A034 A034 STA. 444+45.20
BM#52 - "X" ON TOP OF CURB S. OF LIGHT POLE S.E. OF THEATRE 308.74' RT. ℄ A034 A034 STA. 445+56.60
BM#57- "□" ON TOP CONCRETE HEADWALL. 490.12' LT. ℄ A034 A034 STA. 431+23.73= 388.69' RT. ℄ A035 STA. 84+07.16
BM#38- #6 REBAR 6' W. OF O.G.&E. FENCE, 3RD LIGHT POLE FROM N. 954.34' RT. ℄ A035 A035 STA. 71+85.21= 693.64' RT. ℄ A034 STA. 437+77.03
POE & ASSOCIATES, OKLAHOMA CITY, OK.
FED. ROAD DIST. NO. 6
STATE OKLA.
JOB PIECE NO.
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
REVISIONS
DESCRIPTION
DATE
5/27/2022
Preliminary Plans
HIBDON TIRES PLUS
FAIRFIELD INN MACERICH OKLAHOMA LIMITED PARTNERSHIP TRACT C-1
TRACT B2
TRACT B1
CRM PROPERTIES GROUP
RESIDENCE INN
TEXAS ROADHOUSE MACERICH OKLAHOMA LIMITED PARTNERSHIP TRACT C
(REGAL THEATRE) MACERICH OKLAHOMA LIMITED PARTNERSHIP
CC E RR ROW
CC 5195 5021
Curve No.A006-1 P.I. Sta. 81+50.98 N: 142984.6150 E: 2151562.6074 Δ= 20°59'25.39" RT. D= 15°59'59.78" T= 66.34' L= 131.19' R= 358.10' LC= 130.46' C= N67°54'53.07"W
Curve No.A006-1A P.I. STA. 80+34.78 N: 142961.1659 E: 2151676.8741 Δ= 12°01'24.49" RT. Ts= 150.29' Sc= 231.99
Curve No.A006-1B P.I. STA. 82+66.14 N: 143047.4163 E: 2151464.3082 Δ= 12°01'24.49" RT. St= 150.29' Cs= 231.99
CURVE NO. A002-1 P.I. STA. 77+72.82 N: 143027.0285 E: 2151585.5593 Δ= 44°59'20.18" RT. D= 15°59'59.78" T= 148.29' L= 281.18' R= 358.10' LC= 274.014' C= S67°54'54.87"E
CURVE NO. A009-1 P.I. STA. A 441+22.91 N: 143015.0277 E: 2152126.0592 Δ= 12°56'24.70" LT. D= 5°59'59 T= 108.50' L= 215.67' R= 955.93' C= N8 07'12 0517"E
CURVE NO. A006-1B
CURVE NO. A006-1
CURVE NO. A009-1
CURVE 2
℄ EXIST. A034 SURVEY P.I. STA.A 433+76.68 X=2,151,379.3795 Y=142,903.5503 Δ=9°54'29.99" Lt. D= 2°00'00.00" R=2,864.789' T= 248.327' L= 495.417' C= S85°27'20.36"E LC= 494.80'
CURVE NO. A008-3 P.I. STA. 80+43.81 N: 142848.5942 E: 2151455.4703 Δ= 43°03'00.76" RT. D= 7°30'00.13" T= 301.31' L= 574.00' R= 763.94' LC= 560.59' C= N68°3'54.978"E
CURVE NO. A004-4 P.I. STA. A 458+90.06 N: 142773.9006 E: 2151428.9884 Δ= 43°02'58.73" RT. D= 12°29'59.63" T= 180.79' L= 344.40' R= 458.37' LC= 336.3558' C= N68°3'53.9637"E
PC.STA.A 457+09.27 ℄ A004 X=2,151,297.7635 Y=142,649.5476
SEC.35, T-11-N, R-3-W
OKLA.GAS & ELEC.FOUNDATION INC.
OKLA.GAS & ELEC.CO.
℄ SURVEY A034
CALCULATED POINT
N 89° 35' 24.60" E
476.23
414.61
741.536'
919.135'
177.599'
PRES.R/W
E-W SEC.LINE
EW112
SCALE: 1" = 50'
POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION
SURVEY DATA SHEET
PLS
DRAWN
CHECKED
APPROVED
CREW POE
SWO 2923(1)
PROJECT NO. 09032(06)
SHEET NO. S030
OKLAHOMA COUNTY
SDS 30 OF 46


POE & ASSOCIATES, OKLAHOMA CITY, OK.
FED. ROAD DIST. NO. | STATE | JOB PIECE NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS
6 | OKLA.
DESCRIPTION | REVISIONS | DATE
5/27/2022
SEC.26, T-11-N, R-3-W
SCALE: 1" = 50'
BM#46 - "X" ON CURB @ S.W. CORE. PARKING LOT. 317.36' LT. ℄ A034 A034 STA. 453+12.44
(AMC MOVIE 8 THEATRE) CROSSROADS SOUTH LIMITED TRACT 'A'
VACANT LAND GTA INVESTMENTS INC.
MACERICH OKLAHOMA LIMITED PARTNERSHIP
CC 8169-8172
CC 8311-8312
CC 8146-8152
CC 8062-8063
CC PROP.
CURVE NO. A015-1
P.I. STA. 20576+48.20
N: 144093.4798
E: 2153994.2466
Δ= 26°47'49.38" LT.
D= 1°00'00.00"
T= 1364.82'
L= 2679.70'
R= 5729.58'
LC= 2655.35'
C= S13°5'28.2417"E
CURVE NO. A009-3
P.I. STA. A 459+09.33
N: 143006.0015
E: 2153870.4757
Δ= 16°48'58.04" LT.
D= 7°00'00.03"
T= 120.98'
L= 240.23'
R= 818.51'
LC= 239.3687'
C= S82°0'06.378"E
CURVE NO. A009-2
P.I. STA. A 450+97.27
N: 143240.2178
E: 2153074.9930
Δ= 29°45'21.94" RT.
D= 4°00'00.05"
T= 380.54'
L= 743.90'
R= 1432.39'
LC= 735.5681'
C= S88°28'18.4322"E
CURVE NO. A024-1
P.I. STA. A 459+07.74
N: 142977.1456
E: 2153911.2149
Δ=163°11'09.67" LT.
D= 76°23'39.74"
T= 507.47'
L= 213.61'
R= 75.00'
LC= 148.39'
C= S7°59'56.4351"W
CURVE NO. A025-1
P.I. STA. A 457+45.46
N: 142865.0042
E: 2153749.7368
Δ=134°03'43.01" RT.
D= 25°27'53.25"
T= 530.86'
L= 526.46'
R= 225.00'
LC= 414.32'
C= S23°22'43.9171"E
CURVE NO. A004-5
P.I. STA. A 472+93.36
N: 142784.0622
E: 2152849.4253
Δ= 29°59'59.58" RT.
D= 4°59'59.93"
T= 307.05'
L= 600.00'
R= 1145.92'
LC= 593.1696'
C= S75°24'35.6078"E
BM#39- "X" ON W. CURB EAST OF LIGHT POLE @ O.G.&E. MAIN PARKING LOT. 262.04' RT. ℄ A034 A034 STA. 446+16.87
BM#42- #6 REBAR @ N.W. FENCE CORNER OF BUDWIESER PROPERTY 196.39' RT. ℄ A034 A034 STA. 460+94.99
BM#37 - "□" ON CONCRETE FOOTING OF N.N.E. FENCE OF O.G.&E. YARD. 326.25' RT. ℄ A034 A034 STA. 450+89.25
BM#40- "□" ON CONCRETE FOOTING OF N.E. FENCE CORNER OF O.G.&E. YARD. 606.19' RT. ℄ A034 A034 STA. 455+69.01
OG&E 10' EASEMENT
PRES.R/W
RR R/W
20' OKC SS U/E
OKLA.GAS & ELEC.CO.
E-W SEC.LINE EW112
N-S 1/4 SEC.LINE NS309.5
CALCULATED POINT
N 89° 35' 24.60" E 535.39
N 89° 35' 24.60" E 950.00
N 89°35'25.09" E 2,648.364'
N 89°35'37.30" E 2,647.786'
446+00
461+00
450
455
460
445
20565
POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION
SURVEY DATA SHEET
PLS
DRAWN
CHECKED
APPROVED
CREW POE
SWO 2923(1)
PROJECT NO. 09032(06)
SHEET NO. S031
OKLAHOMA COUNTY
SDS 31 OF 46
Preliminary Plans

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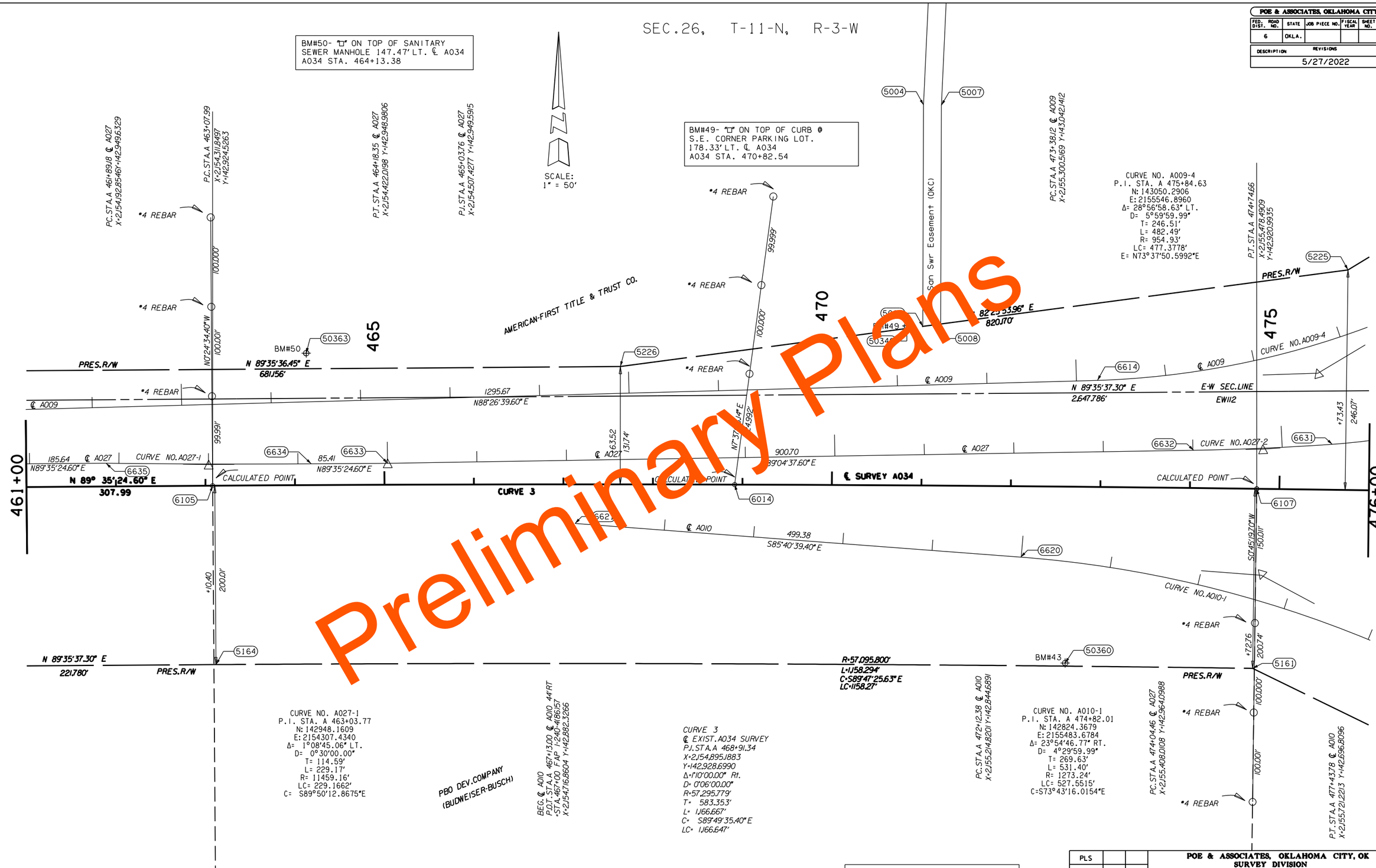
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S032

OKLAHOMA COUNTY

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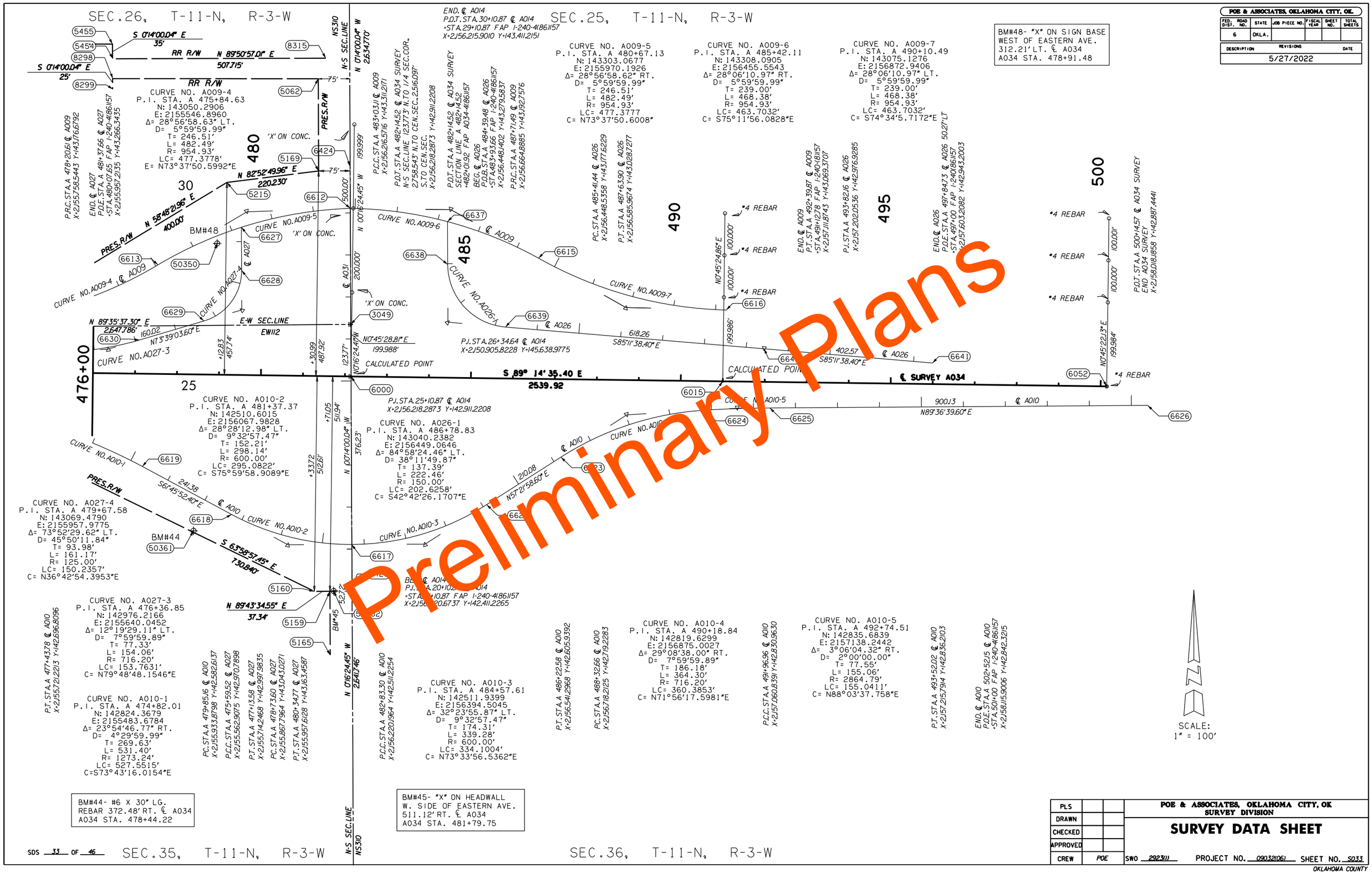

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

POE & ASSOCIATES, OKLAHOMA CITY, OK.

DESCRIPTION	REVISIONS	DATE
		5/27/2022

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S033

OKLAHOMA COUNTY

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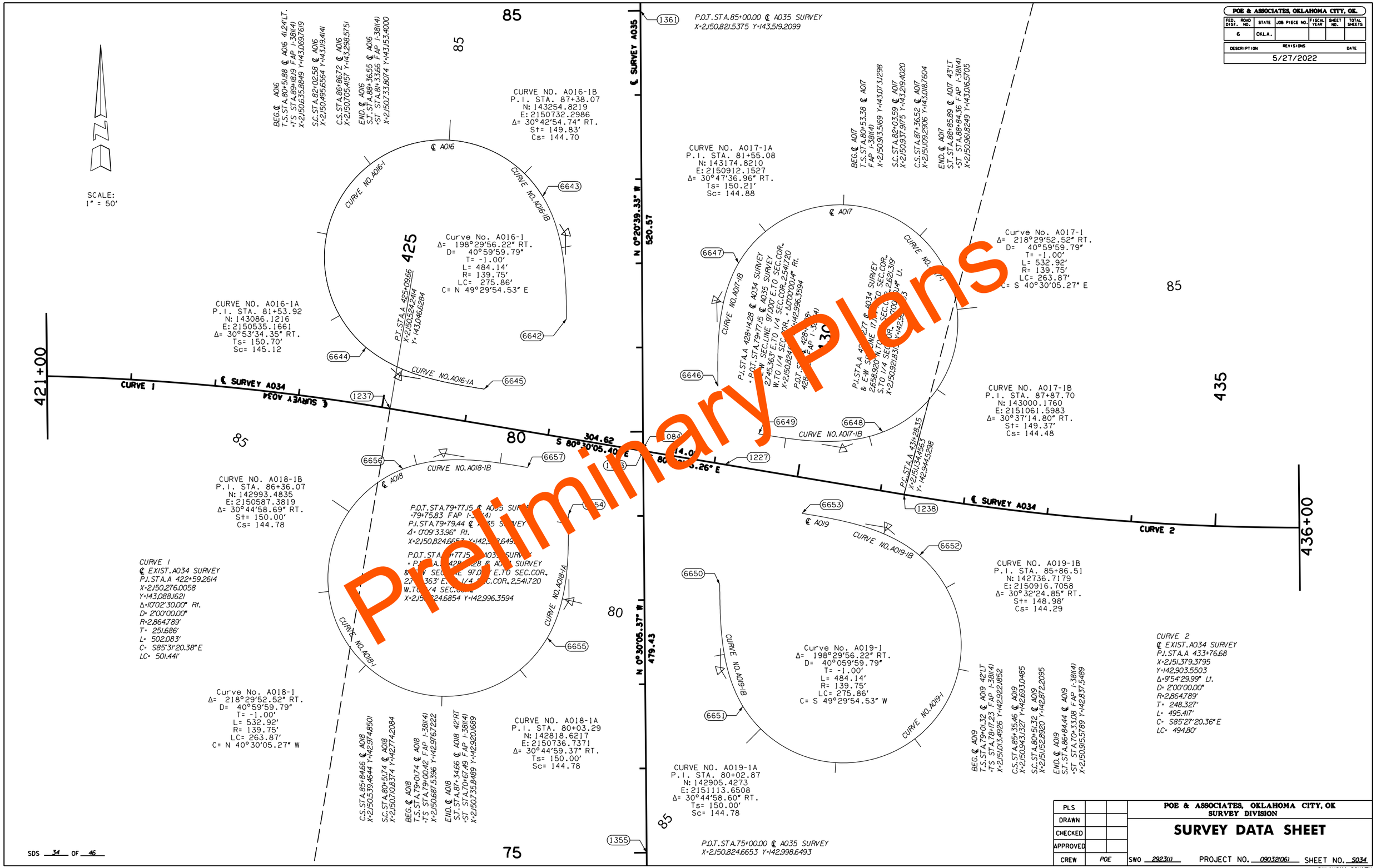
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				
DESCRIPTION	REVISIONS				DATE
					5/27/2022



PLS			POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
DRAWN			SURVEY DATA SHEET
CHECKED			
APPROVED			
CREW	POE	SWO 2923(1)	PROJECT NO. 0903Z(06) SHEET NO. S034

OKLAHOMA COUNTY

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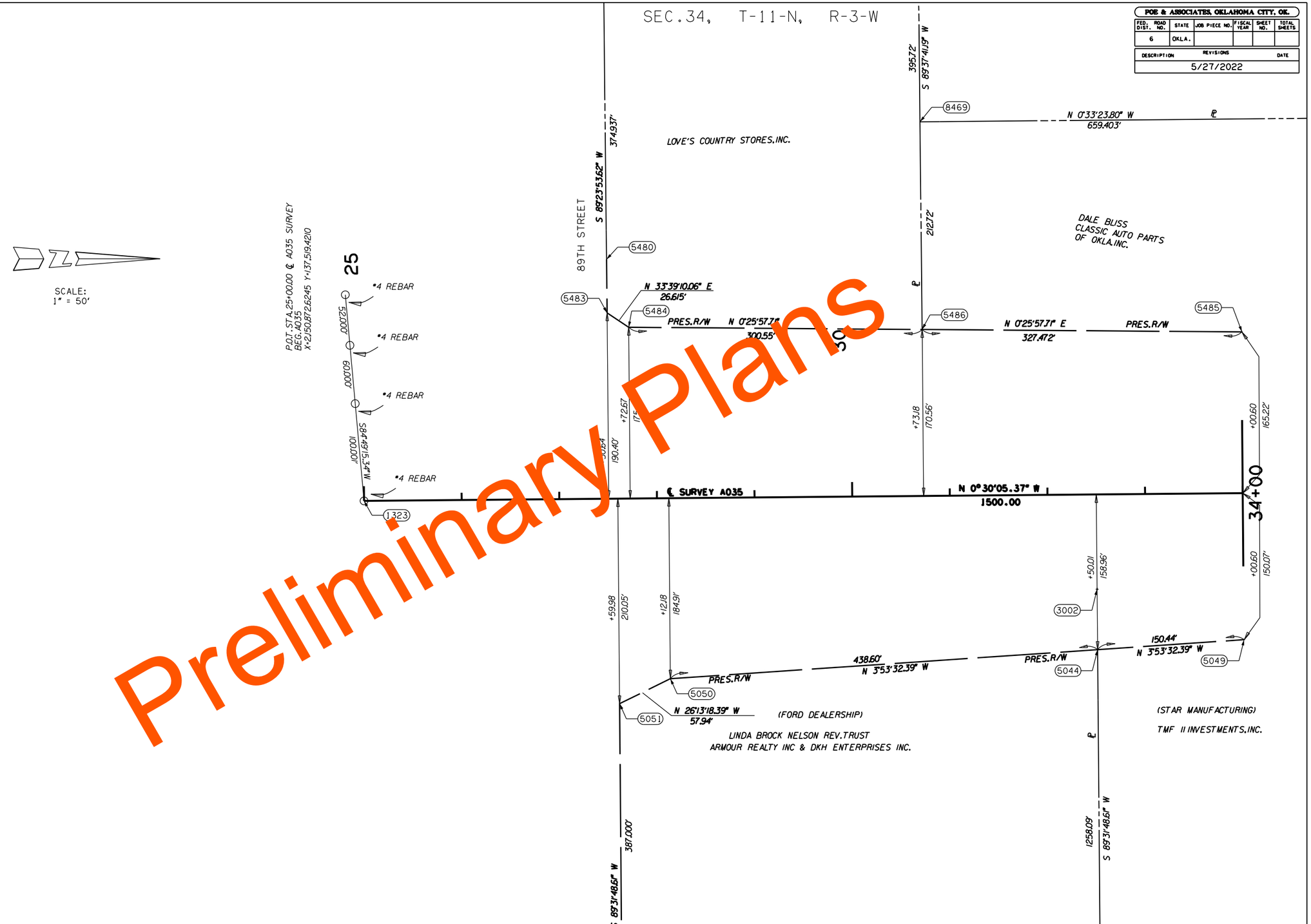
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S035

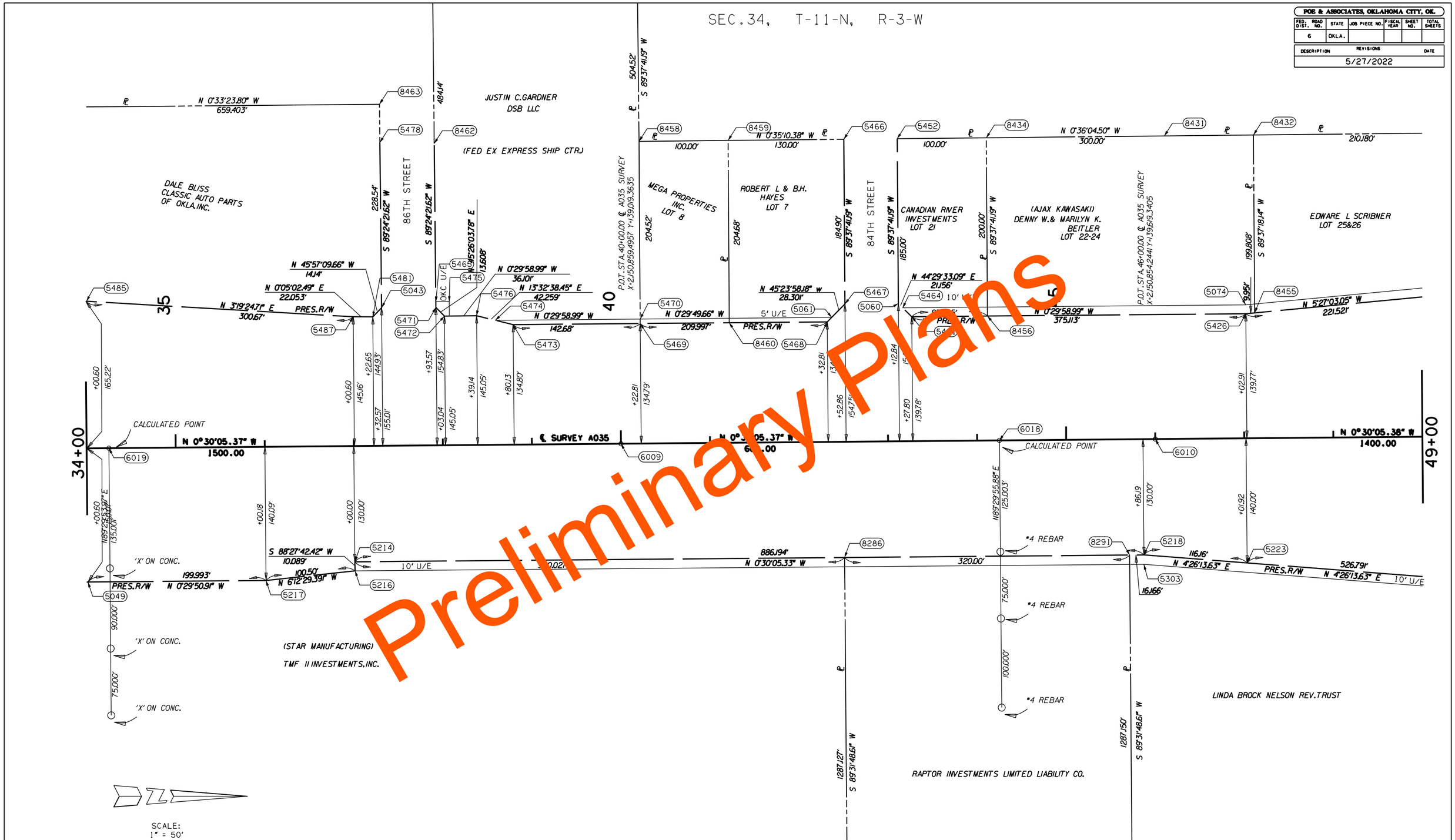
OKLAHOMA COUNTY

SDS 35 OF 46

8-87

POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	



Preliminary Plans

SEC. 35, T-11-N, R-3-W

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

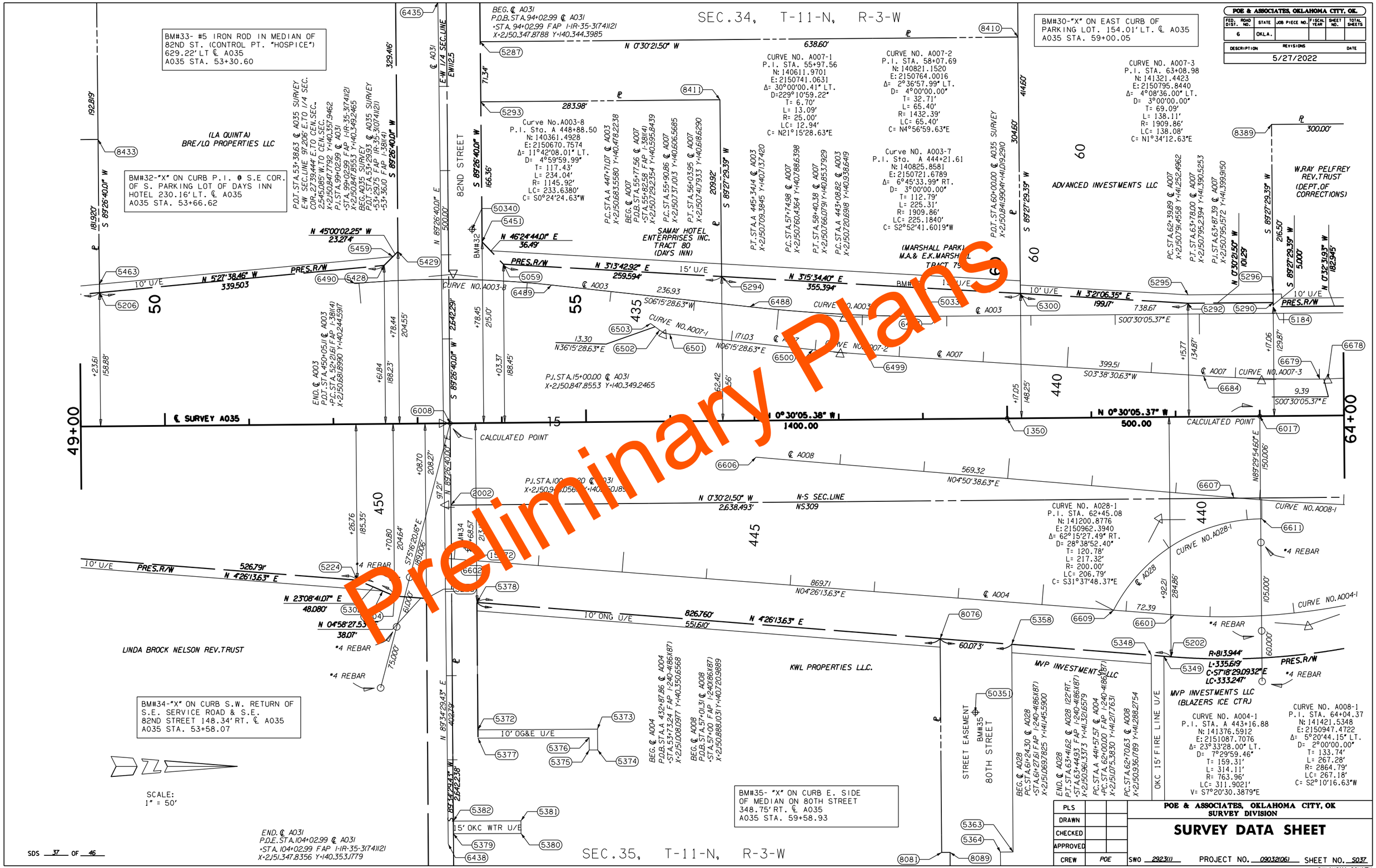
SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S036

OKLAHOMA COUNTY

SDS 36 OF 46

8-87



POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

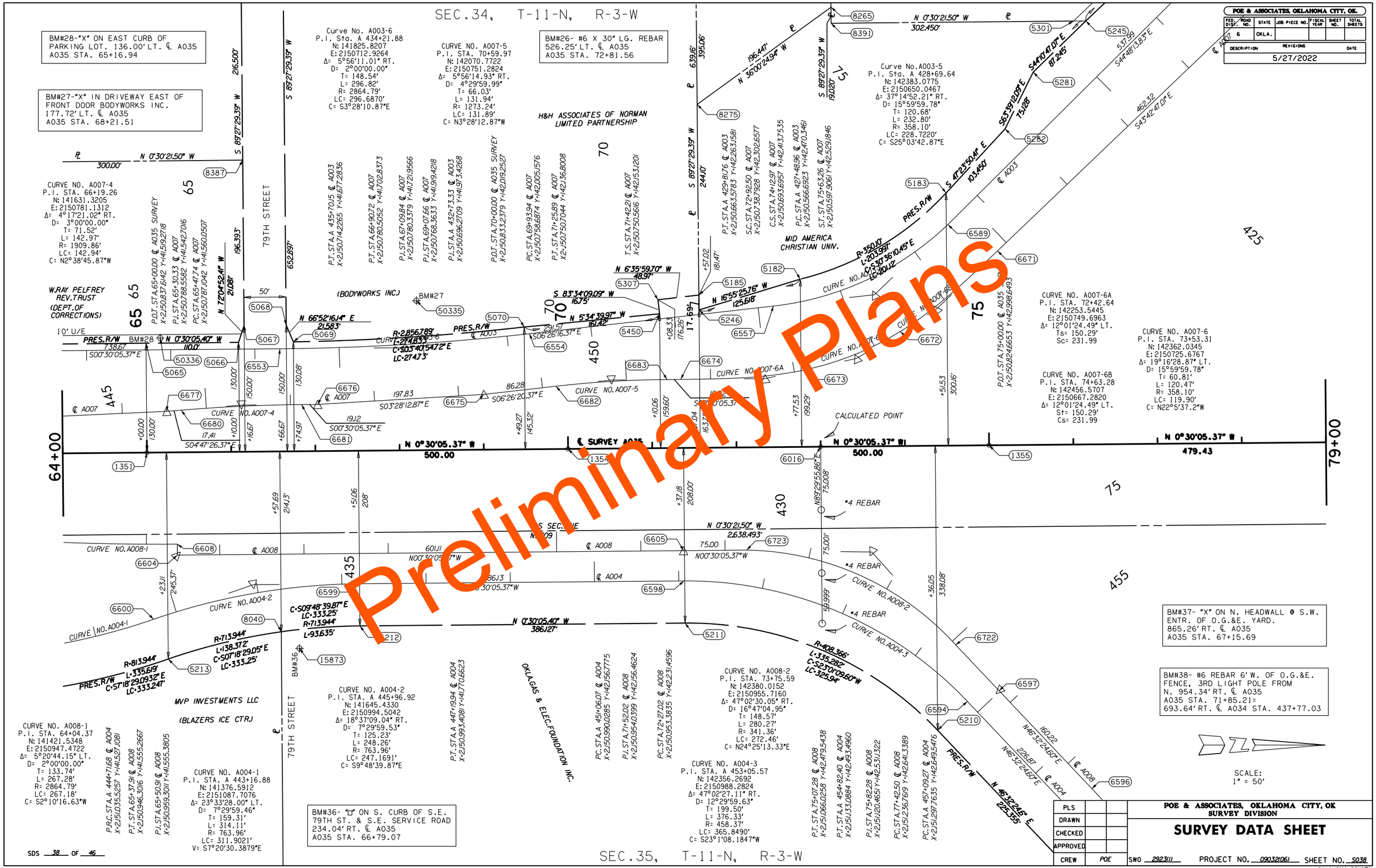
SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S037

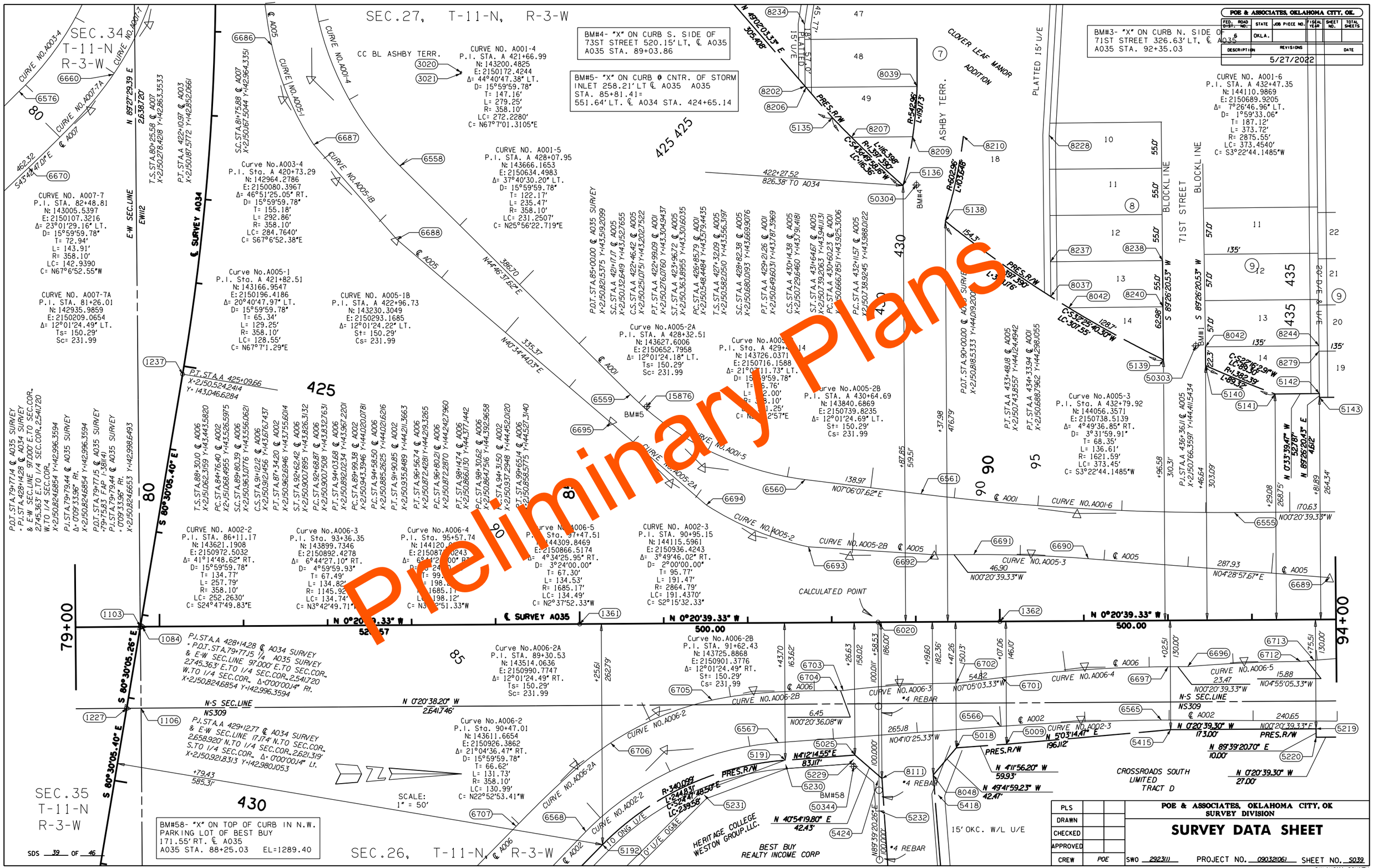
OKLAHOMA COUNTY

SDS 37 OF 46

8-87



Preliminary Plans



POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

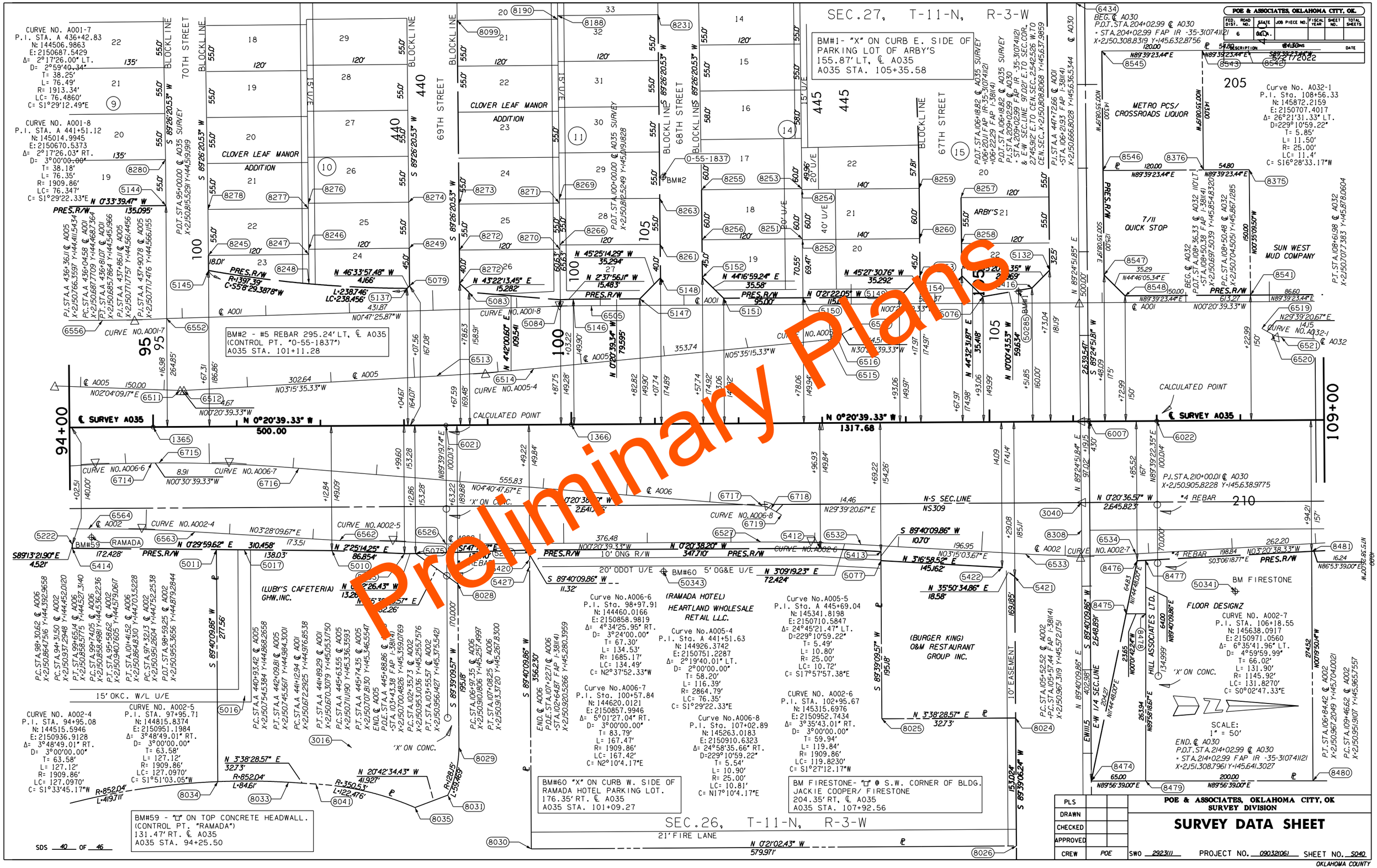
SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S039

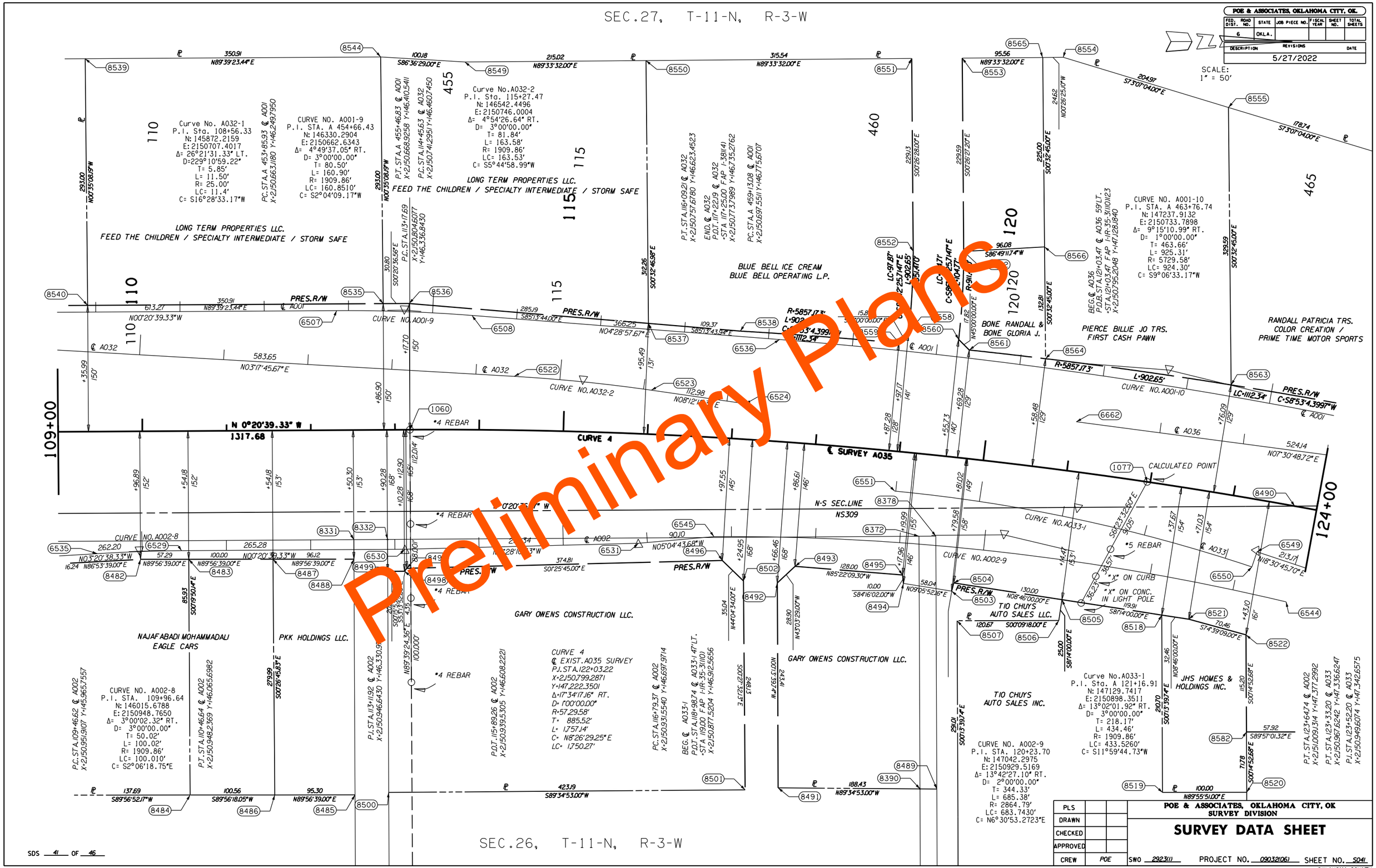
OKLAHOMA COUNTY

SDS 39 OF 46

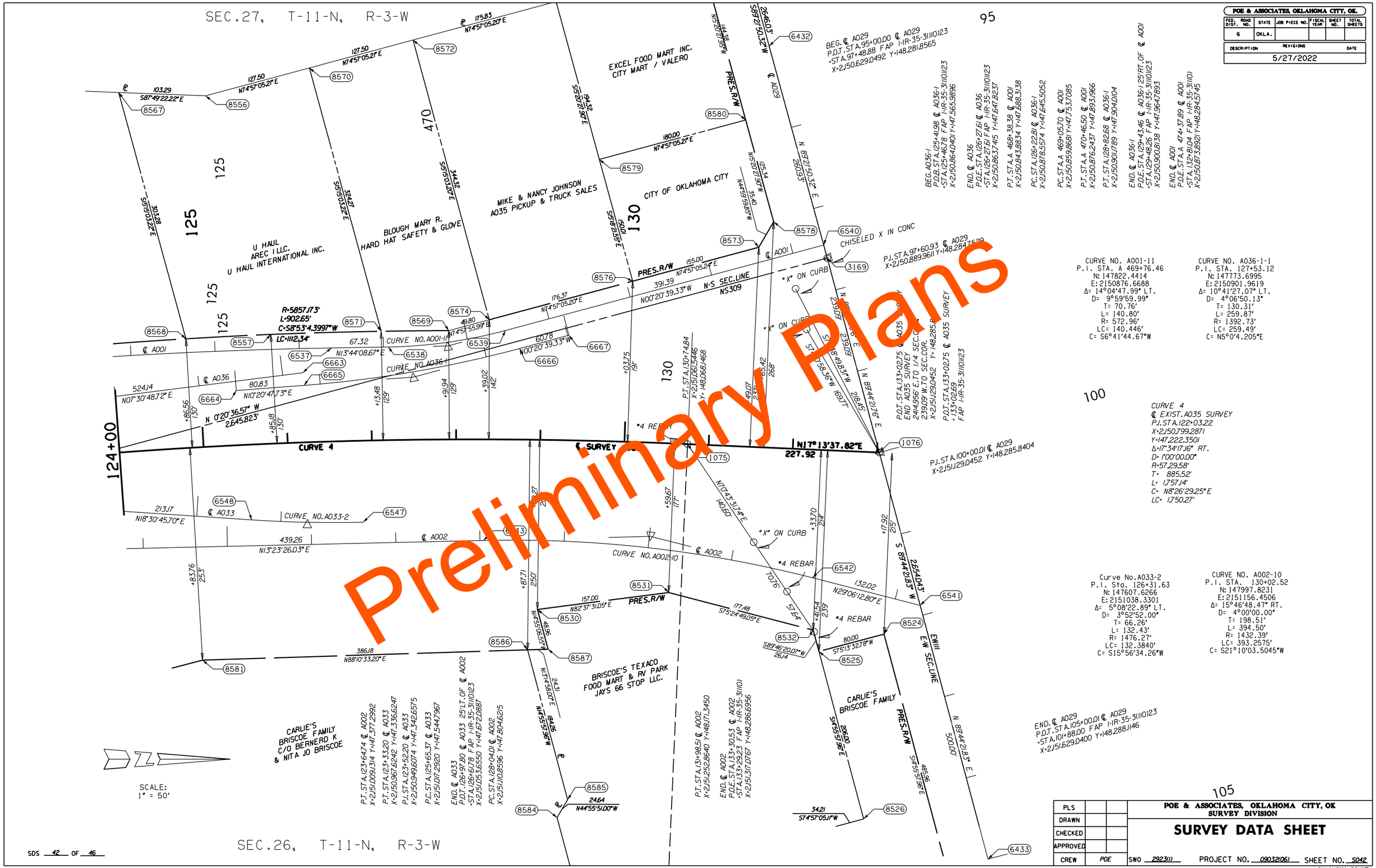
8-87



Preliminary Plans


SEC.27, T-11-N, R-3-W
POE & ASSOCIATES, OKLAHOMA CITY, OK.
FED. ROAD DIST. NO. 6
STATE OKLA.
JOB PIECE NO.
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
DESCRIPTION
REVISIONS
DATE
5/27/2022
SCALE: 1" = 50'
Preliminary Plans
Curve No. A032-1
P.I. Sta. 108+56.33
N: 145872.2159
E: 2150707.4017
Δ= 26°21'31.33" LT.
D=229°10'59.22"
T= 5.85'
L= 11.50'
R= 25.00'
LC= 11.4'
C= S16°28'33.17"W
CURVE NO. A001-9
P.I. STA. A 454+66.43
N: 146330.2904
E: 2150662.6343
Δ= 4°49'37.05" RT.
D= 3°00'00.00"
T= 80.50'
L= 160.90'
R= 1909.86'
LC= 160.8510'
C= S2°04'09.17"W
Curve No.A032-2
P.I. Sta. 115+27.47
N: 146542.4496
E: 2150746.0004
Δ= 4°54'26.64" RT.
D= 3°00'00.00"
T= 81.84'
L= 163.58'
R= 1909.86'
LC= 163.53'
C= S5°44'58.99"W
LONG TERM PROPERTIES LLC.
FEED THE CHILDREN / SPECIALTY INTERMEDIATE / STORM SAFE
BLUE BELL ICE CREAM
BLUE BELL OPERATING L.P.
BONE RANDALL & BONE GLORIA J.
PIERCE BILLIE JO TRS.
FIRST CASH PAWN
RANDALL PATRICIA TRS.
COLOR CREATION /
PRIME TIME MOTOR SPORTS
CURVE NO. A001-10
P.I. STA. A 463+76.74
N: 147237.9132
E: 2150733.7898
Δ= 9°15'10.99" RT.
D= 1°00'00.00"
T= 463.66'
L= 925.31'
R= 5729.58'
LC= 924.30'
C= S9°06'33.17"W
PRES.R/W
CURVE NO. A001-9
CURVE NO. A032-2
CURVE NO. A001-10
N 0°20'39.33" W
1317.68
CURVE 4
℄ SURVEY A035
CALCULATED POINT
N-S SEC.LINE
NS309
CURVE NO. A033-1
CURVE NO. A002-9
CURVE NO. A002-8
℄ A002
℄ A033
℄ A036
"X" ON CURB
"X" ON CONC. IN LIGHT POLE
*4 REBAR
*5 REBAR
GARY OWENS CONSTRUCTION LLC.
NAJAFABADI MOHAMMADALI
EAGLE CARS
PKK HOLDINGS LLC.
TIO CHUYS
AUTO SALES LLC.
TIO CHUYS
AUTO SALES INC.
JHS HOMES &
HOLDINGS INC.
CURVE NO. A002-8
P.I. STA. 109+96.64
N: 146015.6788
E: 2150948.7650
Δ= 3°00'02.32" RT.
D= 3°00'00.00"
T= 50.02'
L= 100.02'
R= 1909.86'
LC= 100.010'
C= S2°06'18.75"E
CURVE 4
℄ EXIST. A035 SURVEY
P.I. STA. 122+03.22
X=2,150,799.2871
Y=147,222.3501
Δ=17°34'17.16" RT.
D= 1°00'00.00"
R=57,29.58'
T= 885.52'
L= 1,757.14'
C= N8°26'29.25"E
LC= 1,750.27'
CURVE NO. A002-9
P.I. STA. 120+23.70
N: 147042.2975
E: 2150929.5169
Δ= 13°42'27.10" RT.
D= 2°00'00.00"
T= 344.33'
L= 685.38'
R= 2864.79'
LC= 683.7430'
C= N6°30'53.2723"E
Curve No.A033-1
P.I. Sta. A 121+16.91
N: 147129.7417
E: 2150898.3511
Δ= 13°02'01.92" RT.
D= 3°00'00.00"
T= 218.17'
L= 434.46'
R= 1909.86'
LC= 433.5260'
C= S11°59'44.73"W
SEC.26, T-11-N, R-3-W
PLS
DRAWN
CHECKED
APPROVED
CREW POE
POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION
SURVEY DATA SHEET
SWO 2923(1)
PROJECT NO. 0903.2(06)
SHEET NO. S041
OKLAHOMA COUNTY
SDS 41 OF 46

POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				
DESCRIPTION	REVISIONS				DATE
					5/27/2022



CURVE NO. A001-11
P.I. STA. A 469+76.46
N: 147822.4414
E: 2150876.6688
Δ= 14°04'47.99" LT.
D= 9°59'59.99"
T= 70.76'
L= 140.80'
R= 572.96'
LC= 140.446'
C= S6°41'44.67"W

CURVE NO. A036-1-1
P.I. STA. 127+53.12
N: 147773.6995
E: 2150901.9619
Δ= 10°41'27.07" LT.
D= 4°06'50.13"
T= 130.31'
L= 259.87'
R= 1392.73'
LC= 259.49'
C= N5°0'4.205"E

Curve No.A033-2
P.I. Sta. 126+31.63
N: 147607.6266
E: 2151038.3301
Δ= 5°08'22.89" LT.
D= 3°52'52.00"
T= 66.26'
L= 132.43'
R= 1476.27'
LC= 132.3840'
C= S15°56'34.26"W

CURVE NO. A002-10
P.I. STA. 130+02.52
N: 147997.8231
E: 2151156.4506
Δ= 15°46'48.47" RT.
D= 4°00'00.00"
T= 198.51'
L= 394.50'
R= 1432.39'
LC= 393.2575'
C= S21°10'03.5045"W

CURVE 4
℄ EXIST.A035 SURVEY
P.I.STA.122+03.22
X=2,150,799.2871
Y=147,222.3501
Δ=17°34'17.16" RT.
D= 1°00'00.00"
R=57,29.58'
T= 885.52'
L= 1,757.14'
C= N8°26'29.25"E
LC= 1,750.27'

PLS			POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
DRAWN			SURVEY DATA SHEET
CHECKED			
APPROVED			
CREW	POE	SWO 2923(1)	PROJECT NO. 09032(06) SHEET NO. S042

OKLAHOMA COUNTY

SDS 42 OF 46

8-87

POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022

SECTION CORNER
ODOT# 0-55-97
SET SANDSTONE 14 X 12 X 3
G.L.O. NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD DATED 07-30-2002
FOUND CHISELED X IN CONC
X=2150889.9611 Y= 148284.7529

1/4 SECTION CORNER
ODOT# 0-55-1368
SET 14 X 10 X 4 SANDSTONE
GLO NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 01-13-1997
FOUND PK NAIL
X=2145619.0344 Y= 145578.6212

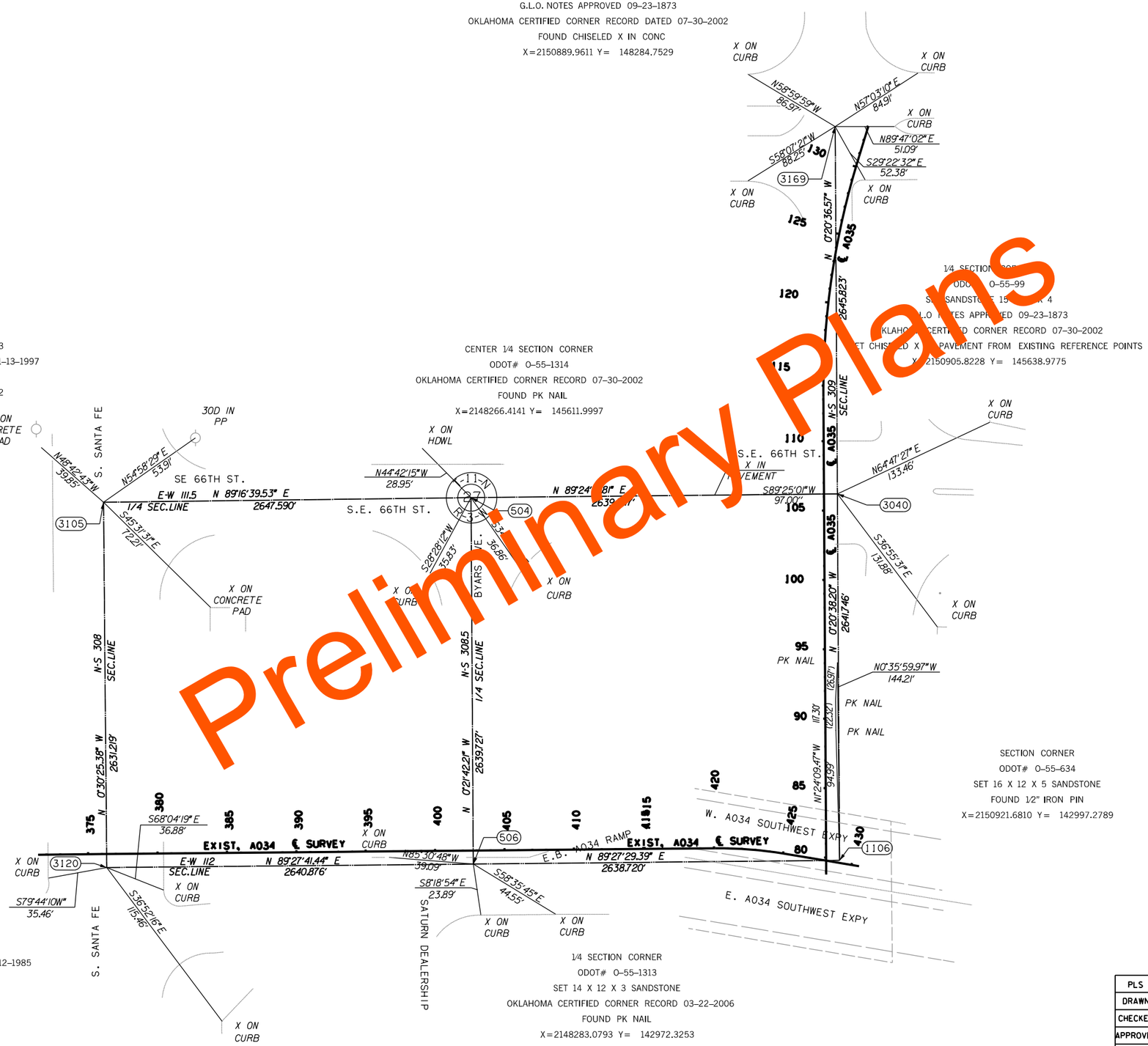
CENTER 1/4 SECTION CORNER
ODOT# 0-55-1314
OKLAHOMA CERTIFIED CORNER RECORD 07-30-2002
FOUND PK NAIL
X=2148266.4141 Y= 145611.9997

1/4 SECTION CORNER
ODOT# 0-55-99
SET SANDSTONE 15 X 12 X 4
G.L.O. NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 07-30-2002
SET CHISELED X IN PAVEMENT FROM EXISTING REFERENCE POINTS
X=2150905.8228 Y= 145638.9775

SECTION CORNER
ODOT# 0-55-634
SET 16 X 12 X 5 SANDSTONE
FOUND 1/2" IRON PIN
X=2150921.6810 Y= 142997.2789

SECTION CORNER
ODOT# 0-55-1367
SET 16 X 12 X 3 SANDSTONE
G.L.O. NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 02-12-1985
FOUND 1/2" I.P.
X=2145642.3196 Y= 142947.5057

1/4 SECTION CORNER
ODOT# 0-55-1313
SET 14 X 12 X 3 SANDSTONE
OKLAHOMA CERTIFIED CORNER RECORD 03-22-2006
FOUND PK NAIL
X=2148283.0793 Y= 142972.3253



SCALE:
1" = 400'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 2923(1) PROJECT NO. 09032(06) SHEET NO. S043

SDS 43 OF 46

Preliminary Plans

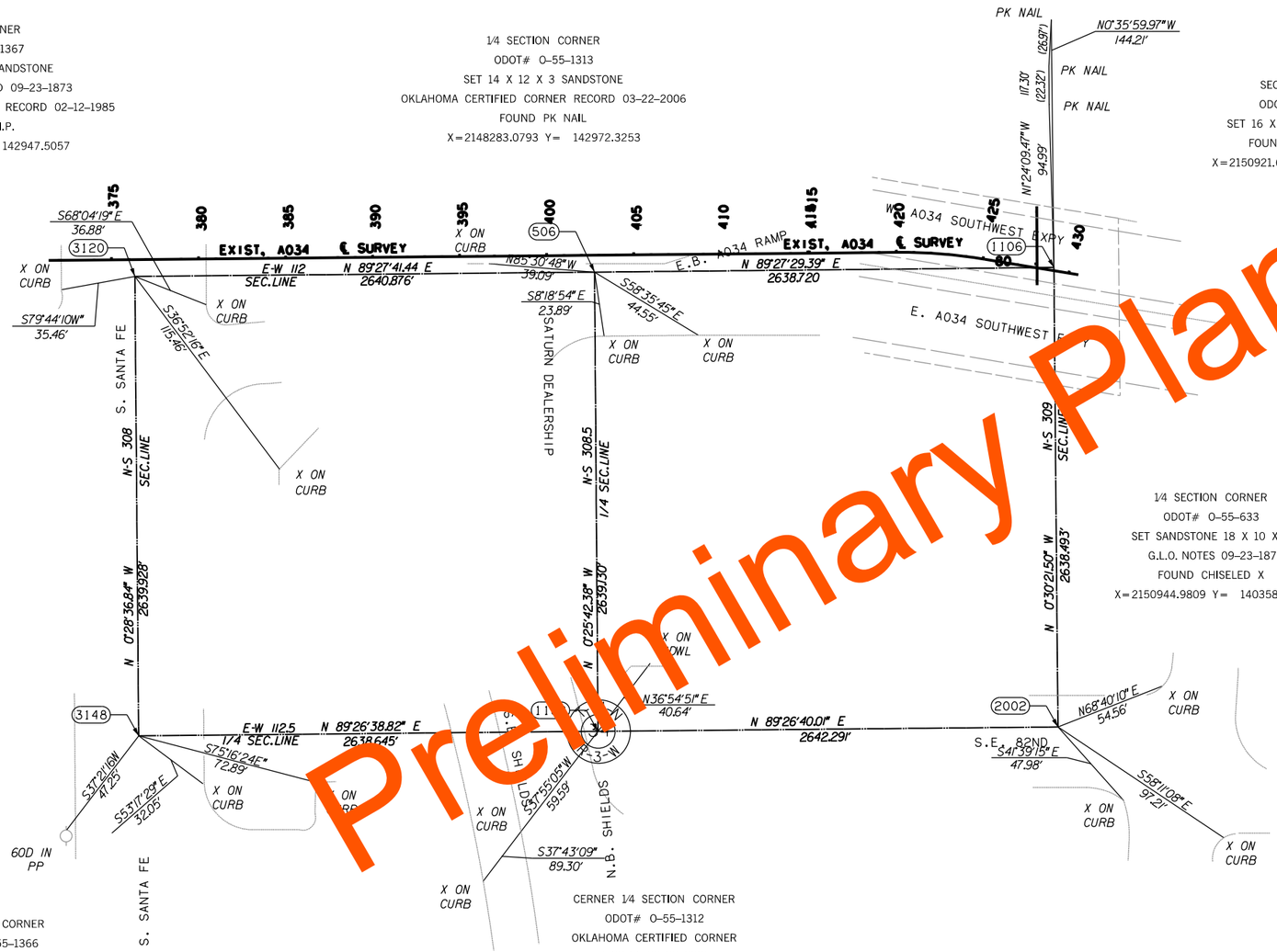
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022

SECTION CORNER
ODOT# 0-55-1367
SET 16 X 12 X 3 SANDSTONE
G.L.O. NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 02-12-1985
FOUND 1/2" I.P.
X=2145642.3196 Y= 142947.5057

1/4 SECTION CORNER
ODOT# 0-55-1313
SET 14 X 12 X 3 SANDSTONE
OKLAHOMA CERTIFIED CORNER RECORD 03-22-2006
FOUND PK NAIL
X=2148283.0793 Y= 142972.3253

SECTION CORNER
ODOT# 0-55-634
SET 16 X 12 X 5 SANDSTONE
FOUND 1/2" IRON PIN
X=2150921.6810 Y= 142997.2789



1/4 SECTION CORNER
ODOT# 0-55-1366
SET SANDSTONE 14 X 12 X 4
G.L.O. NOTES 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 02-12-1985
FOUND 3/8" IP
X=2145664.2927 Y= 140307.6692

CERNER 1/4 SECTION CORNER
ODOT# 0-55-1312
OKLAHOMA CERTIFIED CORNER
RECORD 03-22-2006
FOUND 1/2" I.P.
X=2148302.8137 Y= 140333.2689

SCALE:
1" = 400'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 292311 PROJECT NO. 09032(06) SHEET NO. S044

SDS 44 OF 46

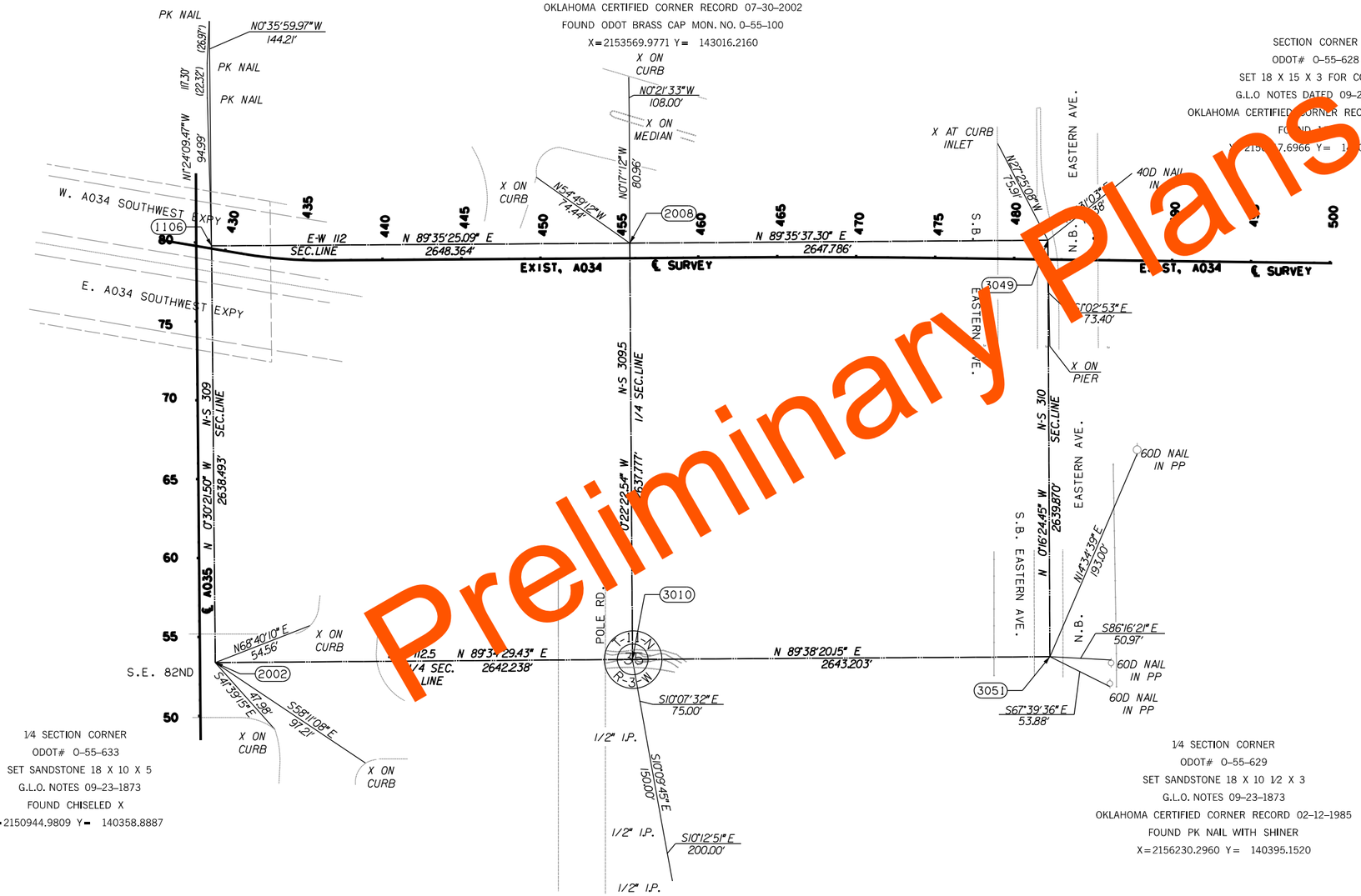
POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022

SECTION CORNER
ODOT# 0-55-634
SET 16 X 12 X 5 SANDSTONE
FOUND 1/2" IRON PIN
X=2150921.6810 Y= 142997.2789

1/4 SECTION CORNER
ODOT# 0-55-627
SET SANDSTONE 14 X 12 X 3
G.L.O NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 07-30-2002
FOUND ODOT BRASS CAP MON. NO. 0-55-100
X=2153569.9771 Y= 143016.2160

SECTION CORNER
ODOT# 0-55-628
SET 18 X 15 X 3 FOR CORNER
G.L.O NOTES DATED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 02-12-2001
FOUND [illegible]
X=215[illegible]7.6966 Y= 1[illegible]034.9922



1/4 SECTION CORNER
ODOT# 0-55-633
SET SANDSTONE 18 X 10 X 5
G.L.O. NOTES 09-23-1873
FOUND CHISELED X
X=2150944.9809 Y= 140358.8887

CENTER 1/4 SECTION CORNER
ODOT# 0-55-635
OKLAHOMA CERTIFIED CORNER RECORD 07-30-2002
FOUND 3/8" I.P.
X=2153587.1457 Y= 140378.4950

1/4 SECTION CORNER
ODOT# 0-55-629
SET SANDSTONE 18 X 10 1/2 X 3
G.L.O. NOTES 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 02-12-1985
FOUND PK NAIL WITH SHINER
X=2156230.2960 Y= 140395.1520

N

SCALE:
1" = 400'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

Preliminary Plans

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW	POE	

POE & ASSOCIATES, OKLAHOMA CITY, OK
SURVEY DIVISION

SURVEY DATA SHEET

SWO 29231(1) PROJECT NO. 09032(06) SHEET NO. S045

SDS 45 OF 46

8-87

POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022

SECTION CORNER
ODOT# 0-55-97
SET SANDSTONE 14 X 12 X 3
G.L.O. NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD DATED 07-30-2002
FOUND CHISELED X IN CONC
X=2150889.9611 Y= 148284.7529

1/4 SECTION CORNER
ODOT# 0-55-98
SET SANDSTONE 14 X 10 X 5
G.L.O. NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD
DATED 08-30-2002
FOUND PK NAIL
X=2153543.9765 Y= 148296.8244

1/4 SECTION CORNER
ODOT# 0-55-99
SET SANDSTONE 15 X 13 X 4
G.L.O NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 07-30-2002
SET CHISELED X IN PAVEMENT FROM EXISTING REFERENCE POINTS
X=2150905.8228 Y= 145638.9775

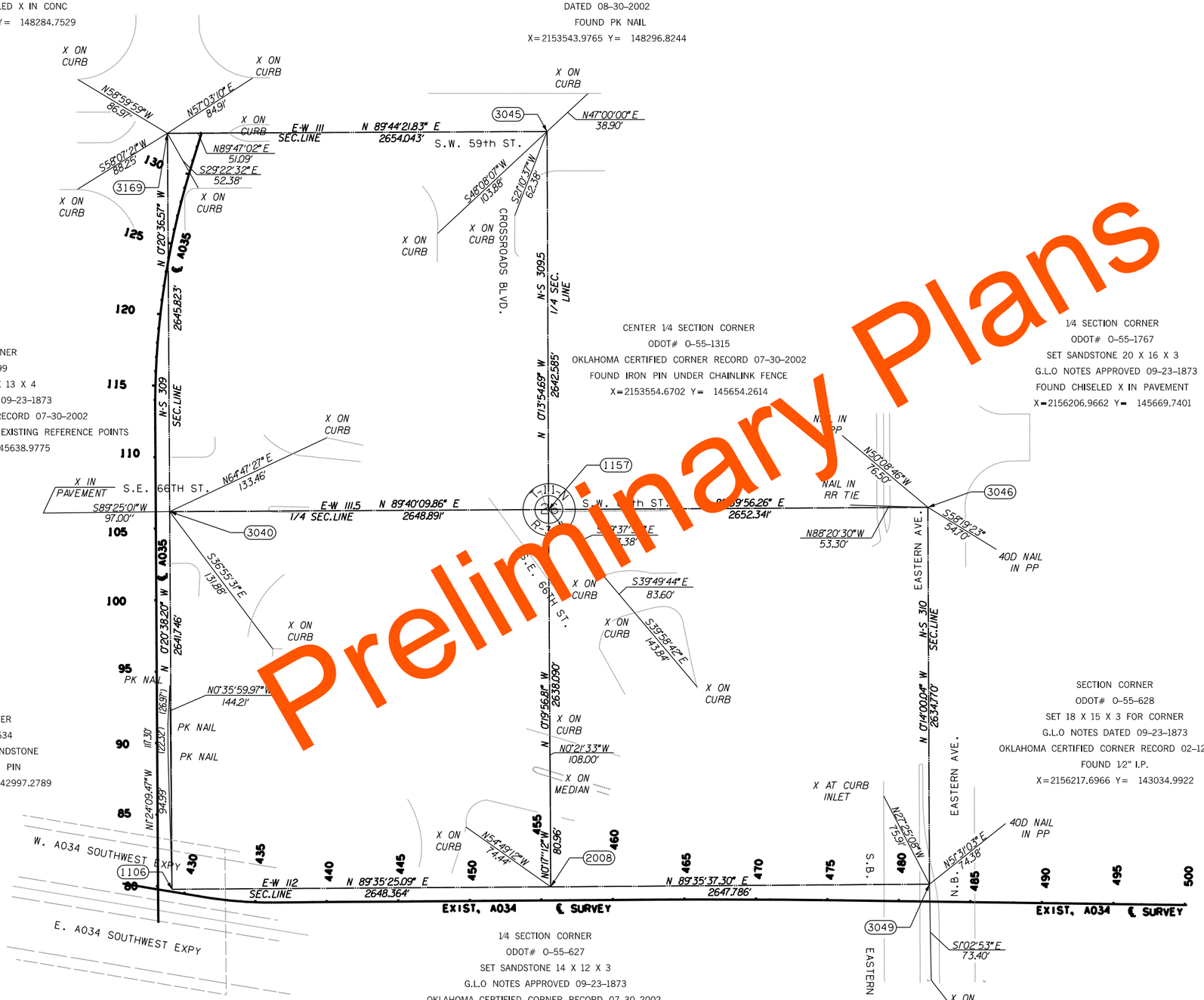
CENTER 1/4 SECTION CORNER
ODOT# 0-55-1315
OKLAHOMA CERTIFIED CORNER RECORD 07-30-2002
FOUND IRON PIN UNDER CHAINLINK FENCE
X=2153554.6702 Y= 145654.2614

1/4 SECTION CORNER
ODOT# 0-55-1767
SET SANDSTONE 20 X 16 X 3
G.L.O NOTES APPROVED 09-23-1873
FOUND CHISELED X IN PAVEMENT
X=2156206.9662 Y= 145669.7401

SECTION CORNER
ODOT# 0-55-628
SET 16 X 12 X 5 SANDSTONE
FOUND 1/2" IRON PIN
X=2150921.6810 Y= 142997.2789

SECTION CORNER
ODOT# 0-55-628
SET 18 X 15 X 3 FOR CORNER
G.L.O NOTES DATED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 02-12-2001
FOUND 1/2" I.P.
X=2156217.6966 Y= 143034.9922

1/4 SECTION CORNER
ODOT# 0-55-627
SET SANDSTONE 14 X 12 X 3
G.L.O NOTES APPROVED 09-23-1873
OKLAHOMA CERTIFIED CORNER RECORD 07-30-2002.
FOUND ODOT BRASS CAP MON. NO. 0-55-100
X=2153569.9771 Y= 143016.2160



Preliminary Plans

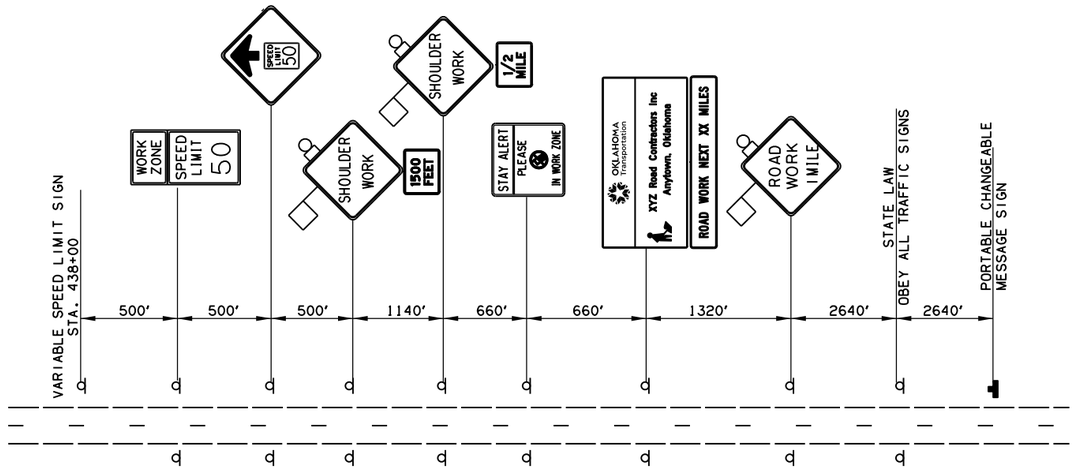
PLS		POE & ASSOCIATES, OKLAHOMA CITY, OK SURVEY DIVISION
DRAWN		SURVEY DATA SHEET
CHECKED		
APPROVED		
CREW	POE	SWO 2923(1) PROJECT NO. 0903.2(06) SHEET NO. S046

SDS 46 OF 46

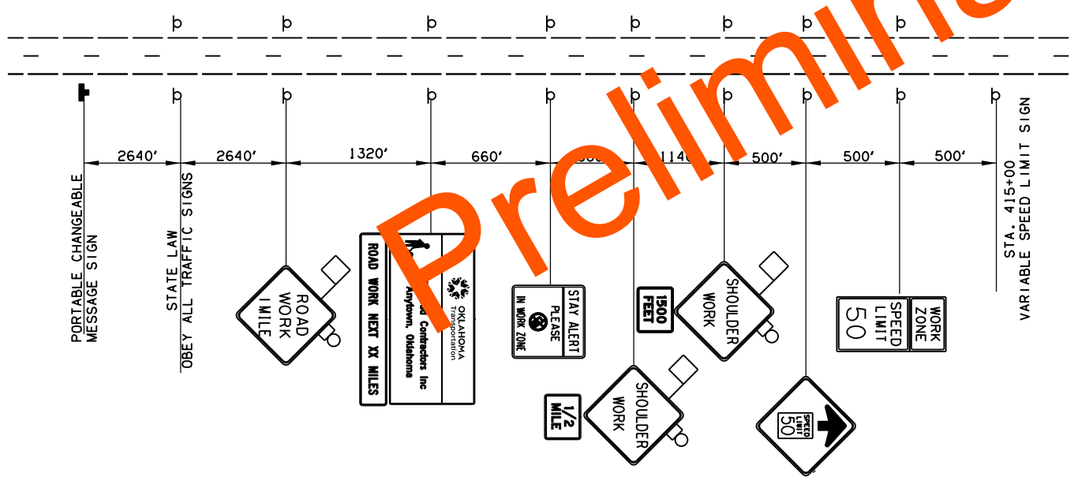
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE



WESTBOUND TYPICAL ADVANCE WARNING
WB I-240 PHASE 1



EASTBOUND TYPICAL ADVANCE WARNING
WB I-240 PHASE 1

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

TRAFFIC CONTROL SHEET
I-240 ADVANCE WARNING SIGNS

STATE JOB NO. 09032(06) SHEET NO. T001

5/27/2022 1:54:05 PM
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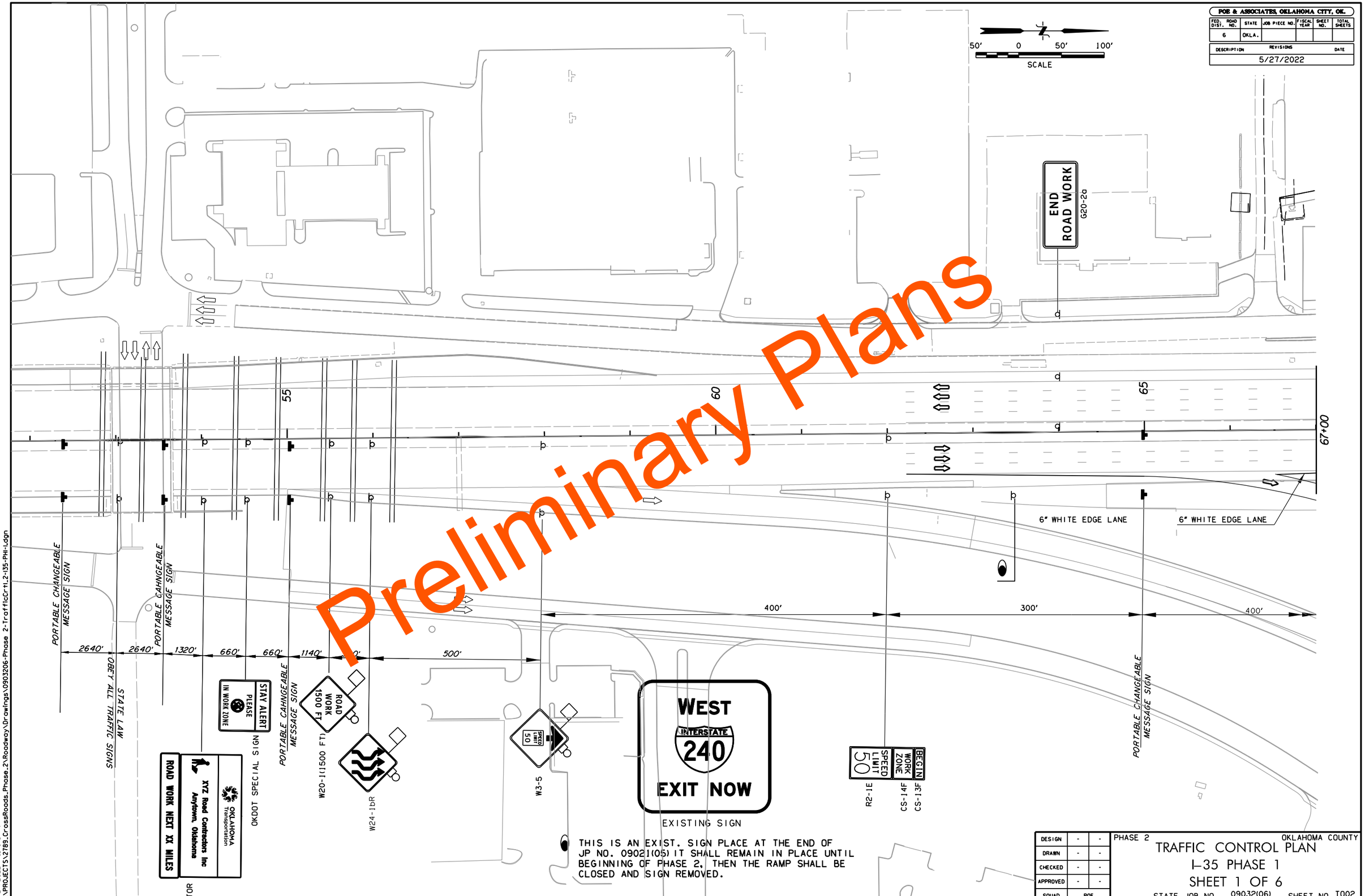
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



THIS IS AN EXIST. SIGN PLACE AT THE END OF JP NO. 09021(05) IT SHALL REMAIN IN PLACE UNTIL BEGINNING OF PHASE 2, THEN THE RAMP SHALL BE CLOSED AND SIGN REMOVED.

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-35 PHASE 1

SHEET 1 OF 6

STATE JOB NO. 09032(06) SHEET NO. T002

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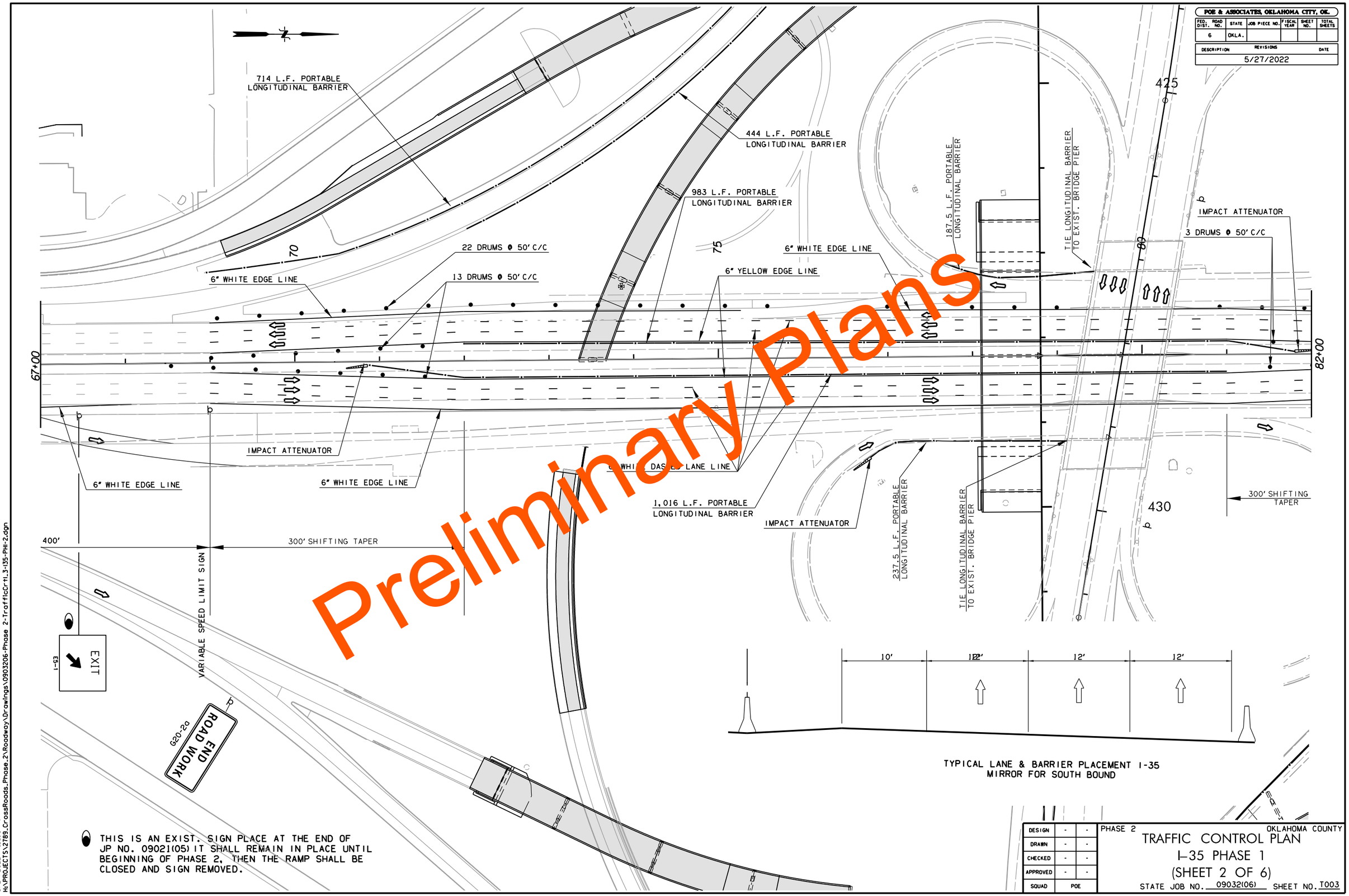
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN
I-35 PHASE 1
(SHEET 2 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T003

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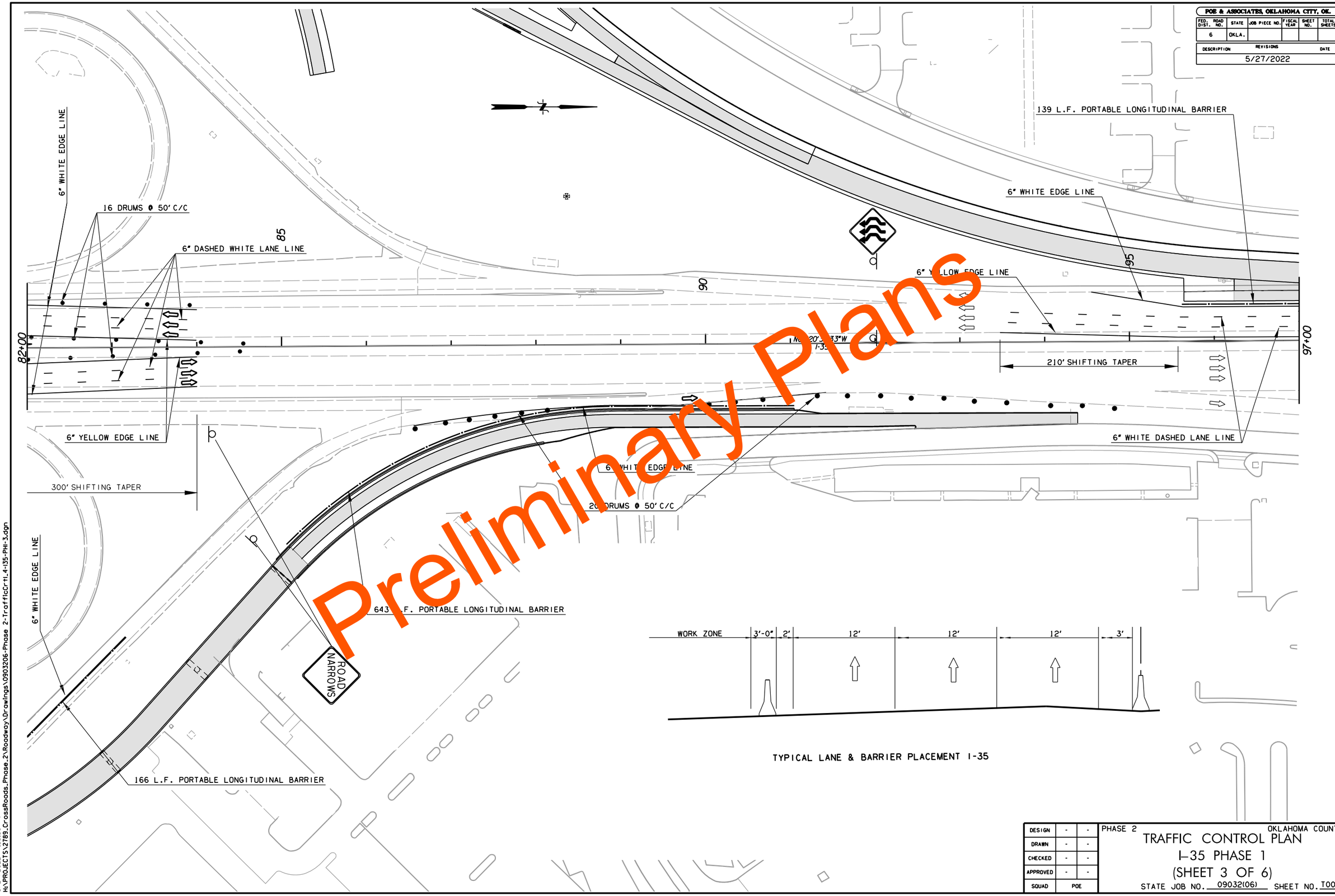
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN
I-35 PHASE 1
(SHEET 3 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T004

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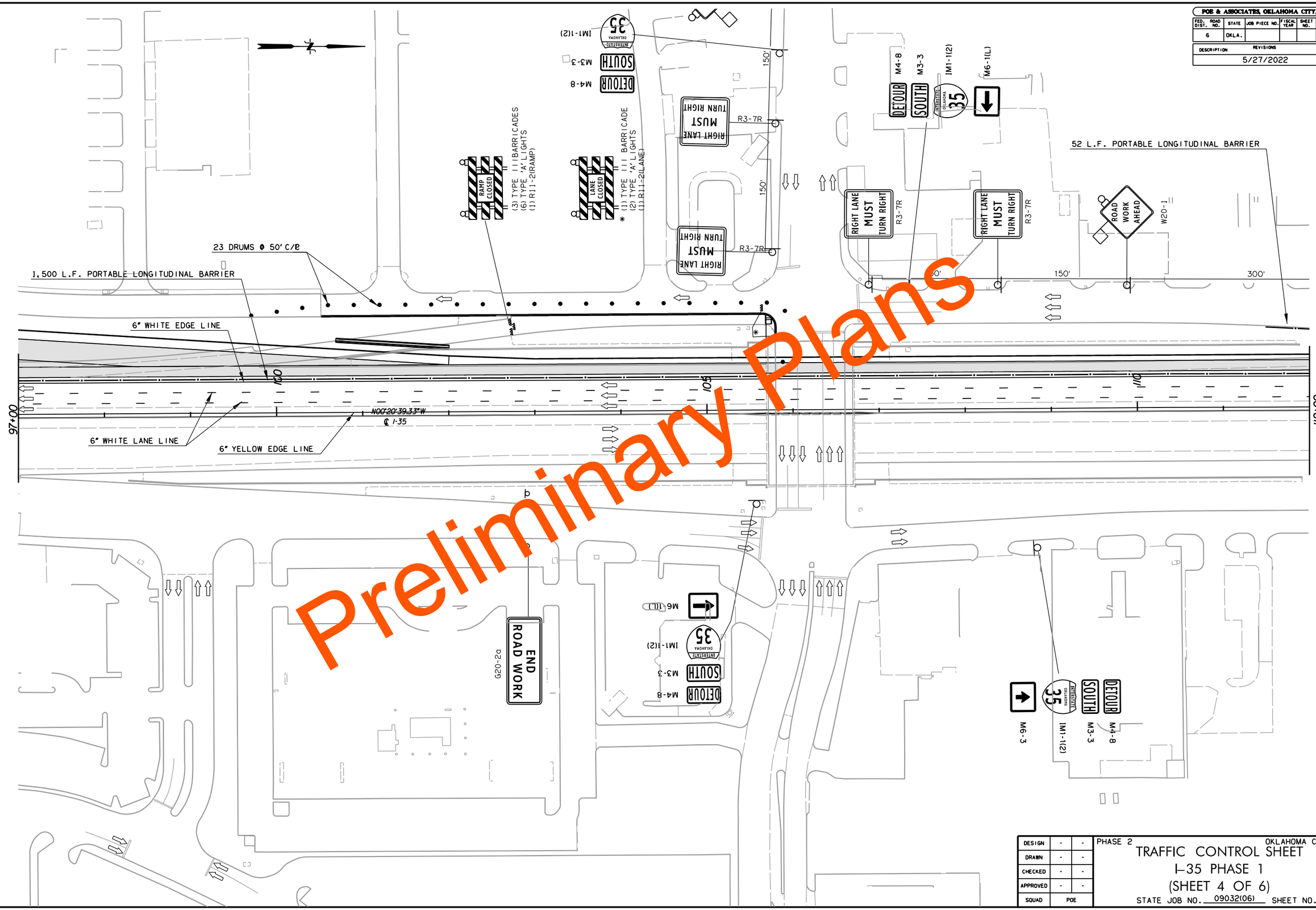
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

TRAFFIC CONTROL SHEET

I-35 PHASE 1

(SHEET 4 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T005

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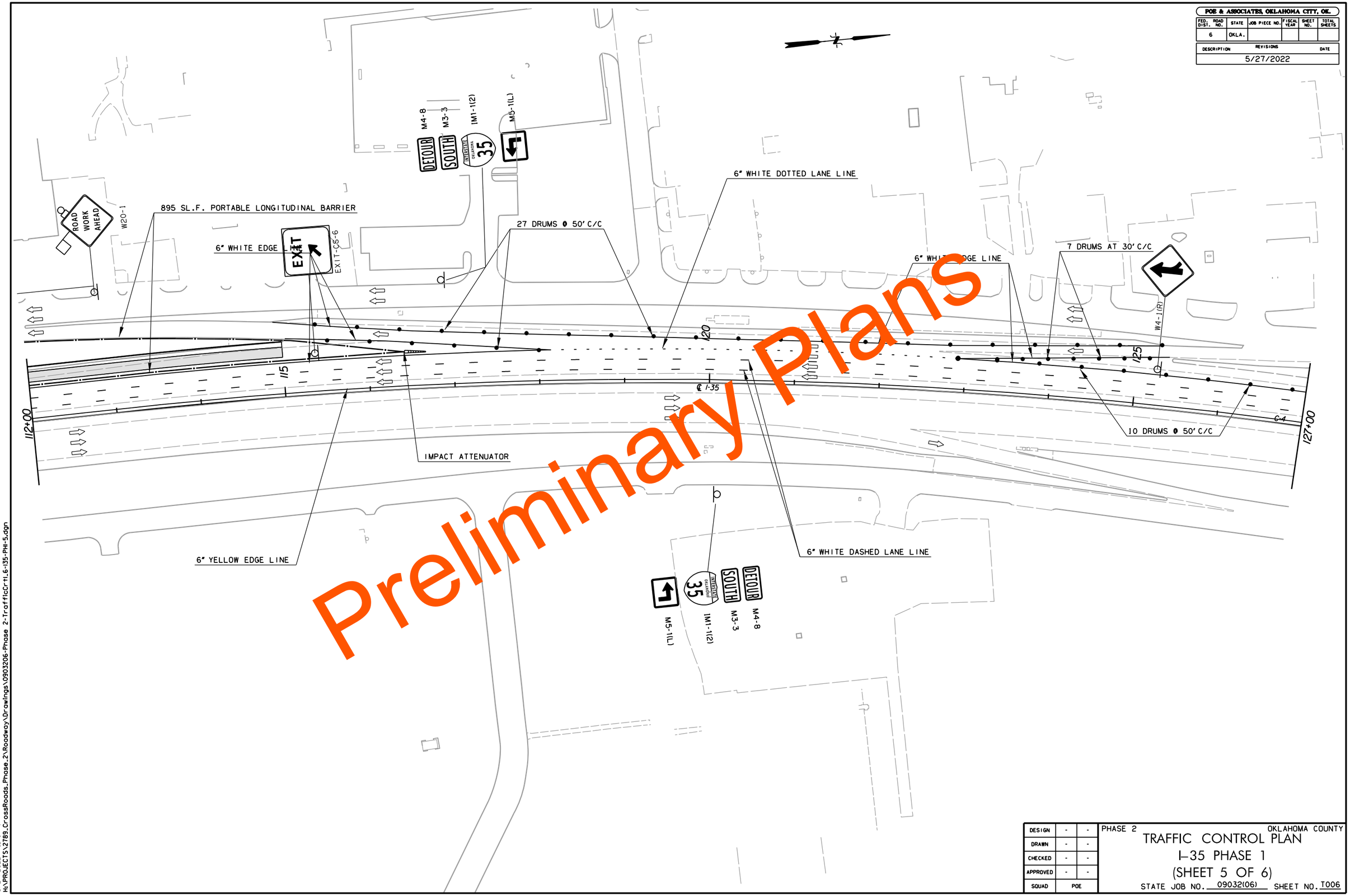
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-35 PHASE 1

(SHEET 5 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T006

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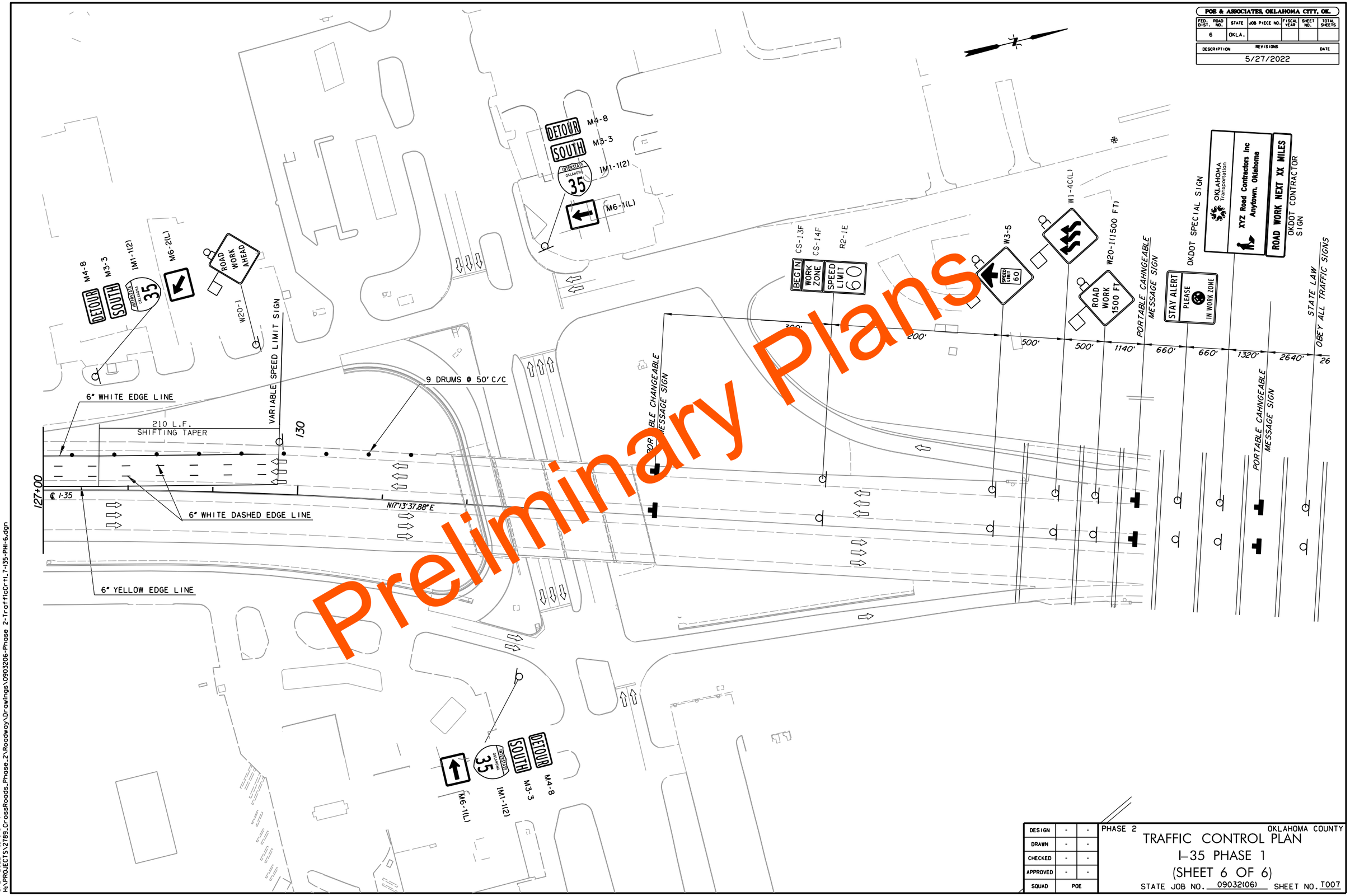
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-35 PHASE 1

(SHEET 6 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T007

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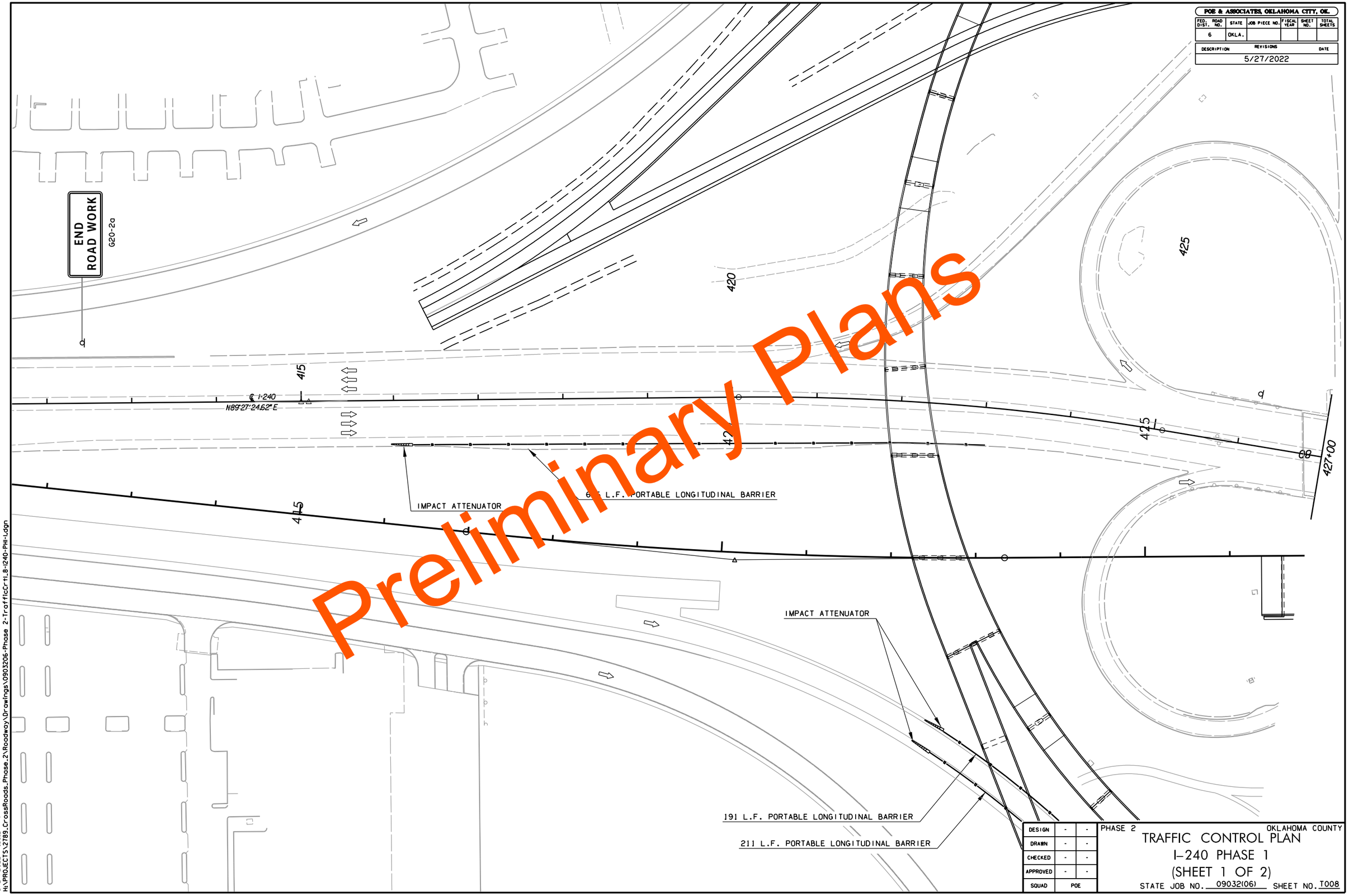
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN
I-240 PHASE 1
(SHEET 1 OF 2)

STATE JOB NO. 09032(06) SHEET NO. T008

5/27/2022 1:58:24 PM
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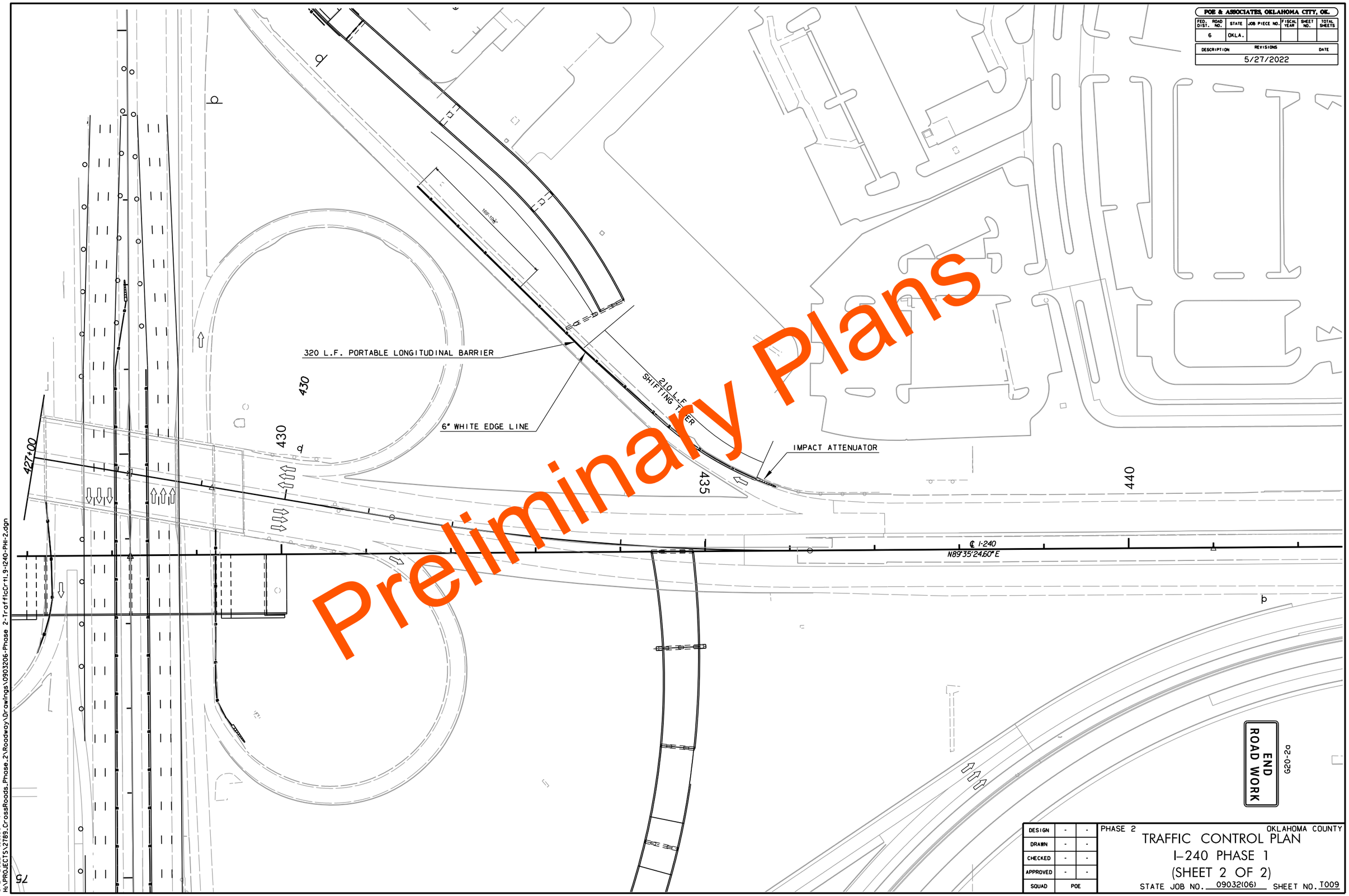
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-240 PHASE 1

(SHEET 2 OF 2)

STATE JOB NO. 09032(06) SHEET NO. T009

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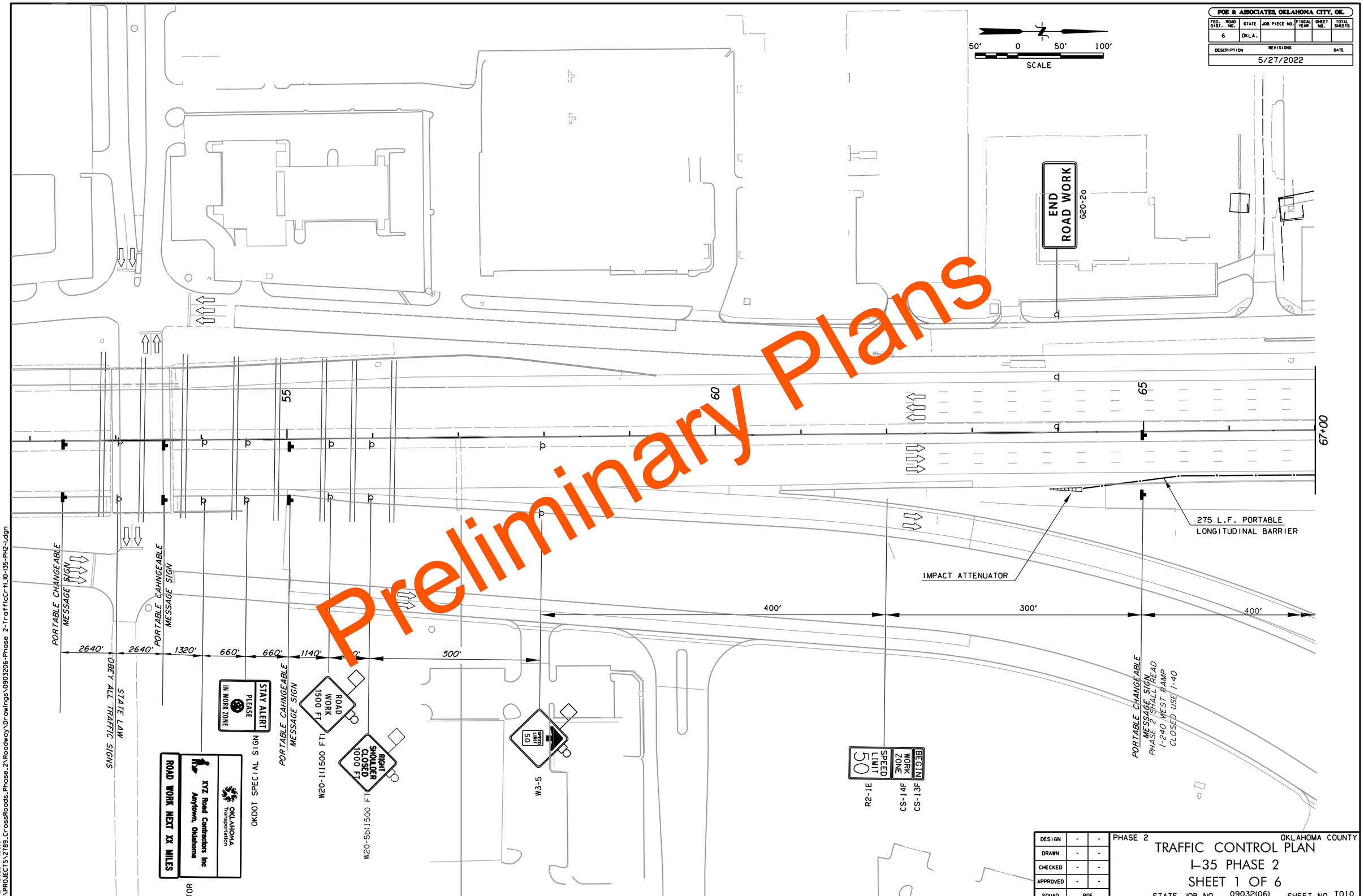
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-35 PHASE 2

SHEET 1 OF 6

STATE JOB NO. 09032(06) SHEET NO. T010

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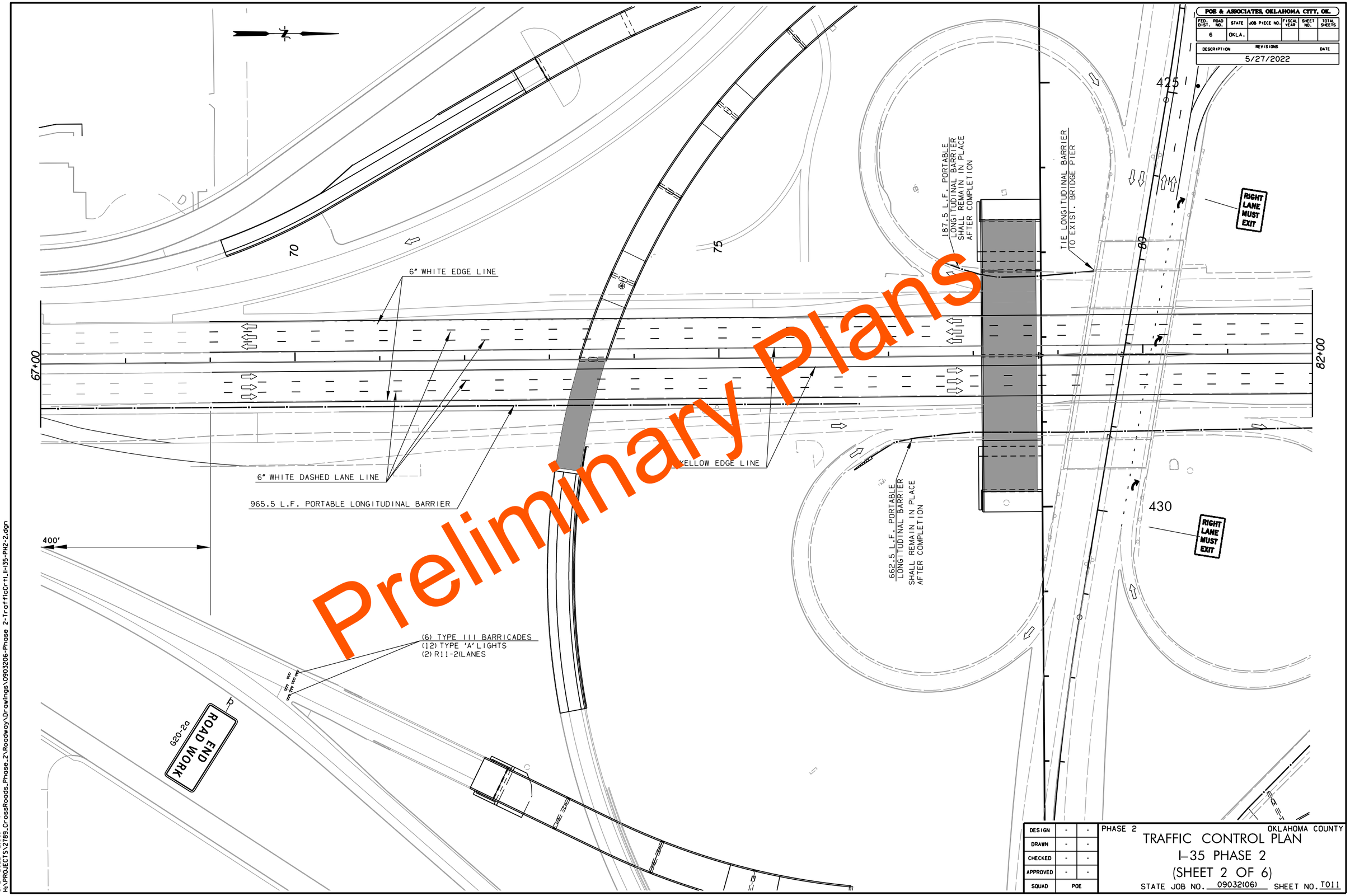
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS

DESCRIPTION	DATE
	5/27/2022



DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN
I-35 PHASE 2
(SHEET 2 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T011

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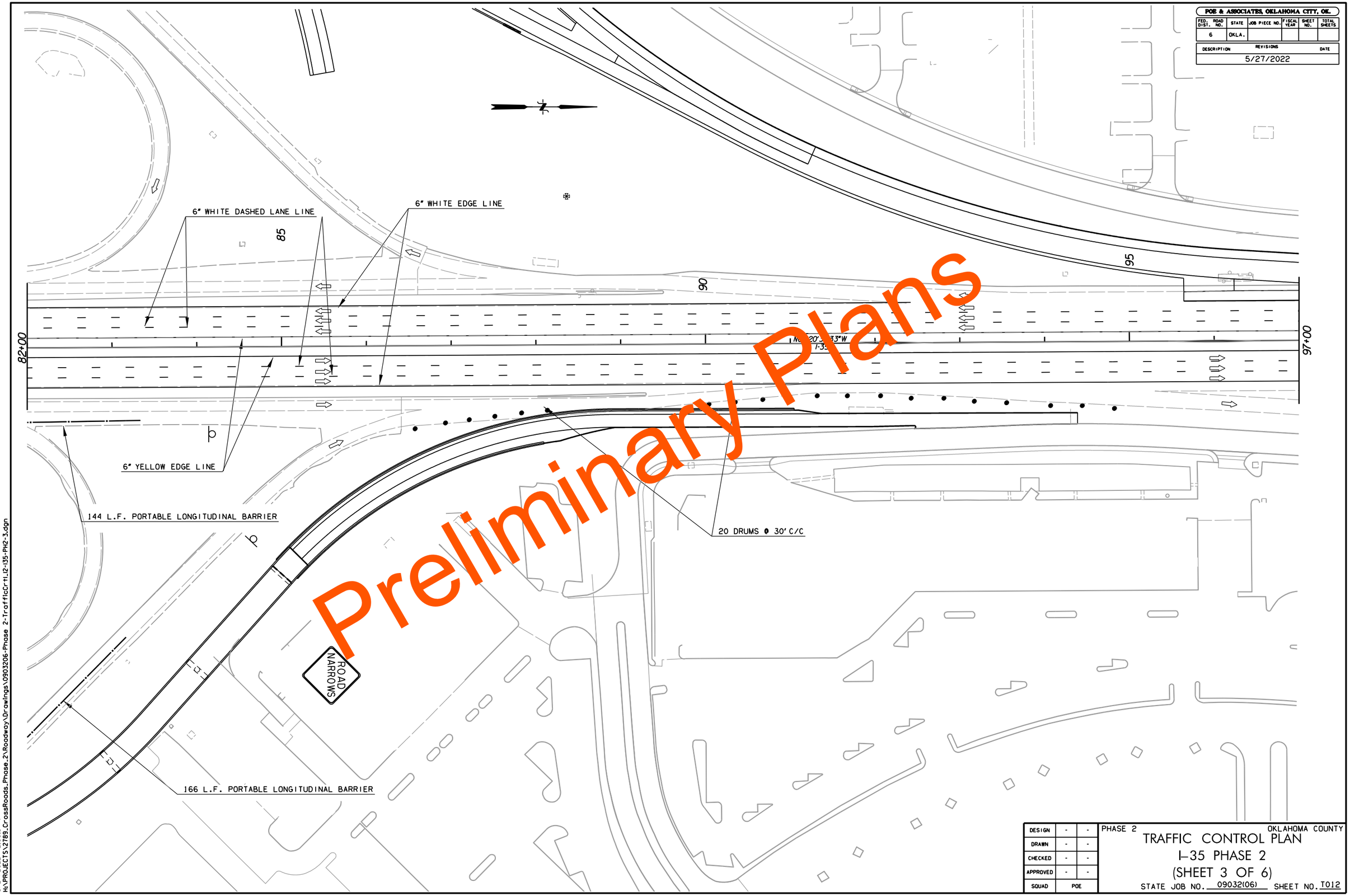
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-35 PHASE 2

(SHEET 3 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T012

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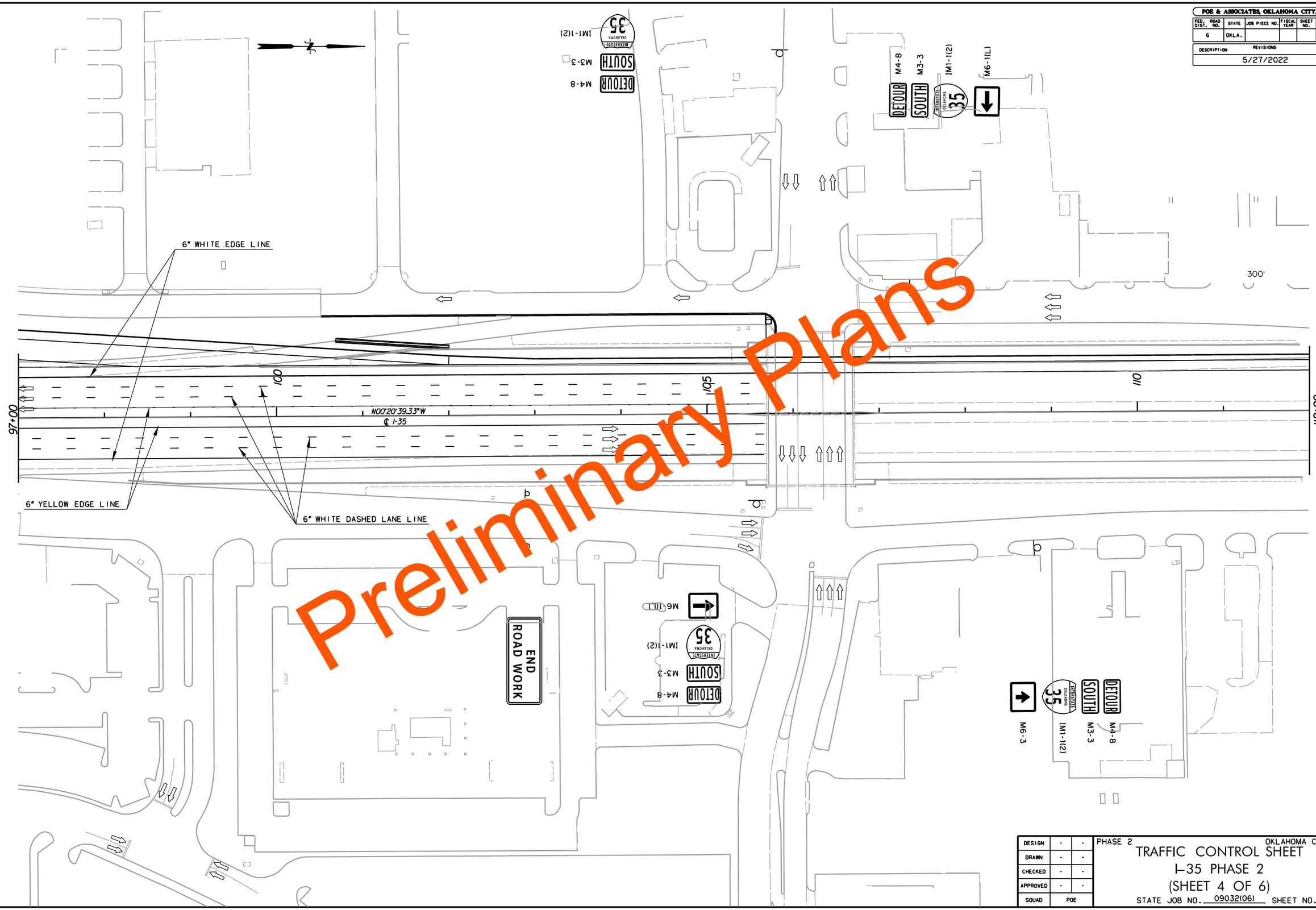
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL SHEET

I-35 PHASE 2

(SHEET 4 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T013

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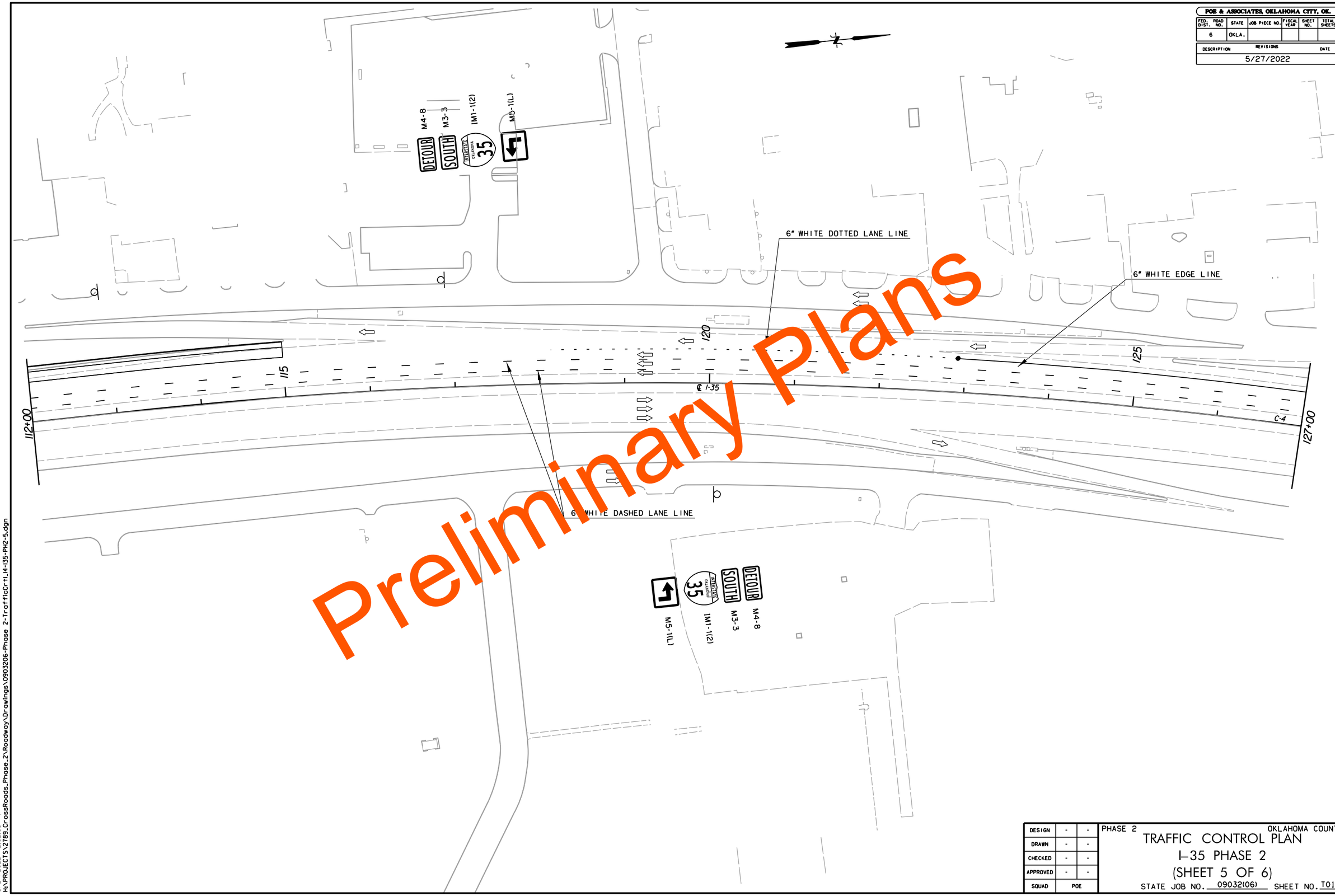
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-35 PHASE 2

(SHEET 5 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T014

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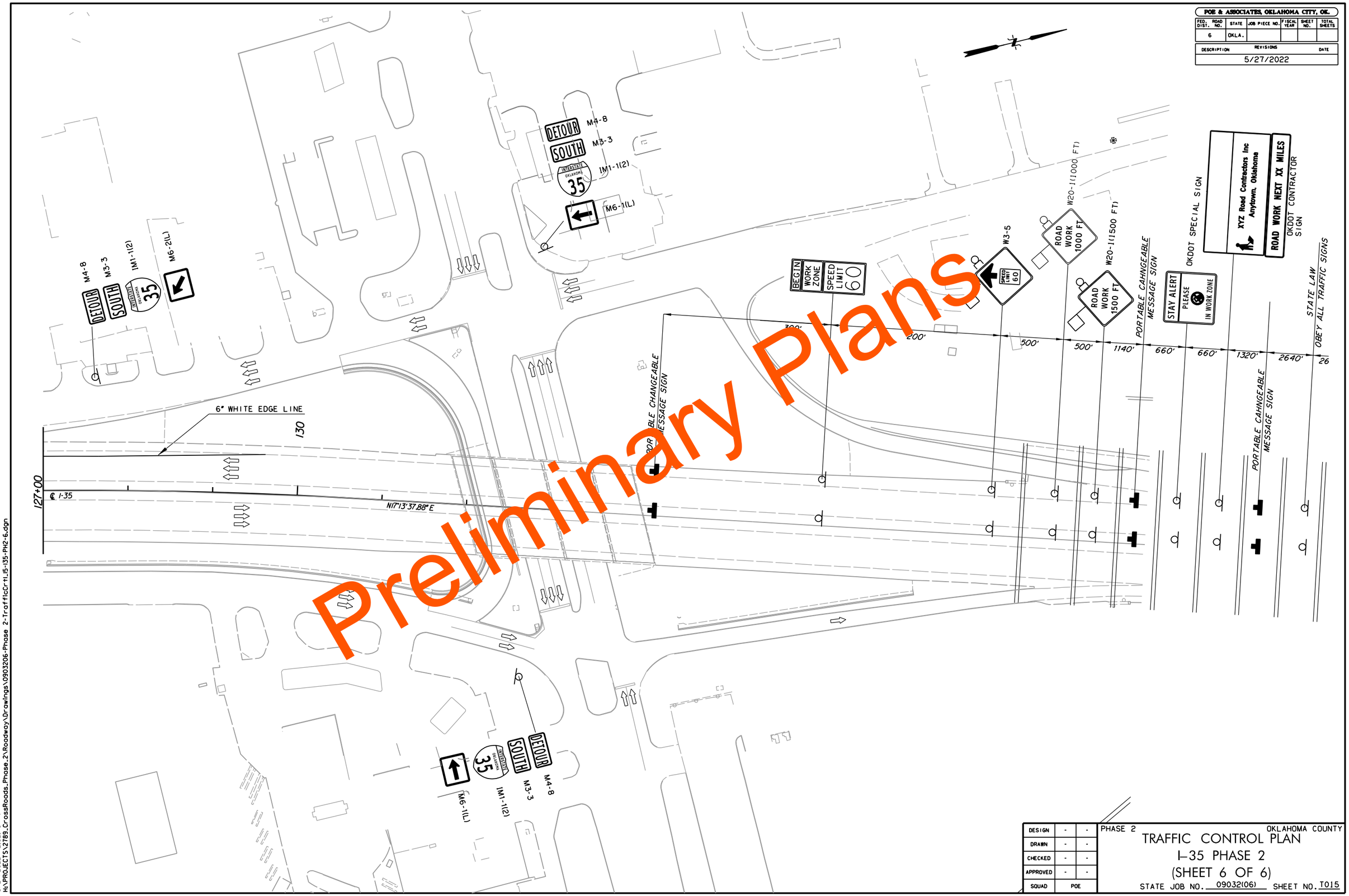
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
	5/27/2022



DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-35 PHASE 2

(SHEET 6 OF 6)

STATE JOB NO. 09032(06) SHEET NO. T015

5/27/2022 2:02:40 PM
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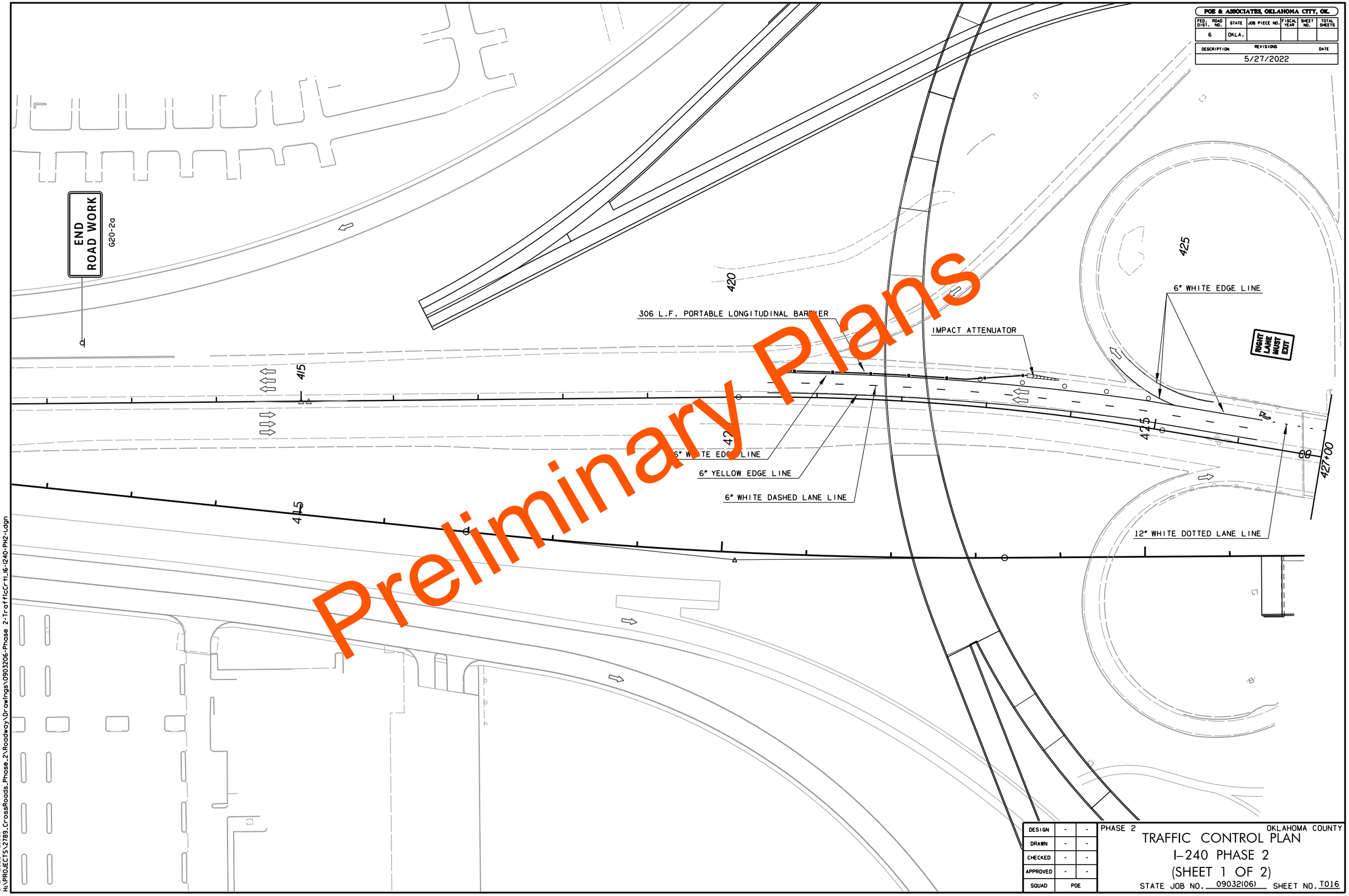
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-240 PHASE 2

(SHEET 1 OF 2)

STATE JOB NO. 09032(06) SHEET NO. T016

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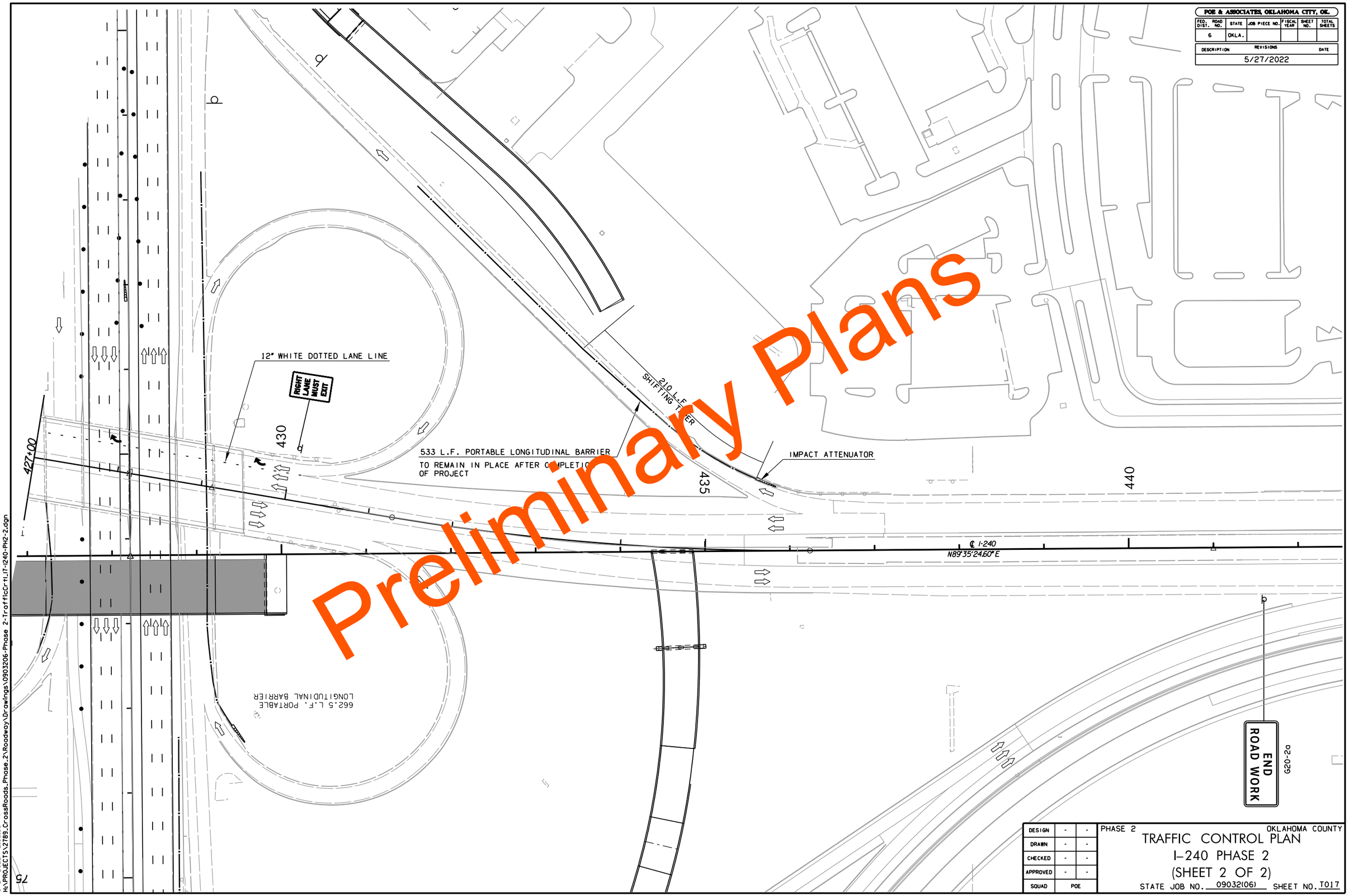
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2

OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN

I-240 PHASE 2

(SHEET 2 OF 2)

STATE JOB NO. 09032(06) SHEET NO. T017

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POE & ASSOCIATES, OKLAHOMA CITY, OK.					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE
5/27/2022	

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN
ROUTING DETAIL

STATE JOB NO. 09032(06) SHEET NO. T018

5/27/2022 2:04:01 PM
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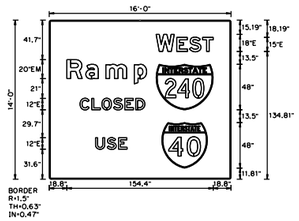
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

SIGN DETAIL
1:100



SIGN NUMBER	TCSPS-1
WIDTH x HGHT.	16'-0" x 14'-0"
BORDER WIDTH	0.63"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Orange
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT
M1_1	113	73.3	60	48
M1_1	119	11.8	48	48

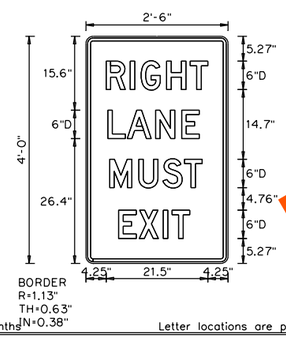
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																				LENGTH	SERIES/SIZE
W	E	S	T																		E 2000
113	134.8	148.2	162																	60.2	18.15
R	a	m	P																		EM 2000
18.8	38.6	59.8	89.8																	84.2	20/15
C	L	O	S	E	D																E 2000
32.5	45	55.7	67.8	79.9	91.3															68.5	12
U	S	E																			E 2000
48.9	61	73.2																		33.2	12

SIGN DETAIL
1:20



SIGN NUMBER	TCSPS-2
WIDTH x HGHT.	2'-6" x [illegible]
BORDER WIDTH	0.63"
CORNER RADIUS	[illegible]
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																				LENGTH	SERIES/SIZE
R	I	G	H	T																	D 2000
4.3	9.4	11.6	17	22																21.5	6
L	A	N	E																		D 2000
4.6	8.7	14.7	20.2																	19.3	6
M	U	S	T																		D 2000
5	11.1	16.2	20.8																	19.5	6
E	X	I	T																		D 2000
6.9	11.2	16.3	18.2																	15	6

Preliminary Plans

DESIGN	-	-
DRAWN	-	-
CHECKED	-	-
APPROVED	-	-
SQUAD	POE	

PHASE 2 OKLAHOMA COUNTY

TRAFFIC CONTROL PLAN
SPECIAL SIGNS

STATE JOB NO. 09032(06) SHEET NO. T019

5/27/2022 2:19:22 PM
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REVISIONS		
NO.	DESCRIPTION	DATE

SIGN SUMMARY

SHEET NO.	ITEM NO.	APPROXIMATE STATION LOCATION		SIGN TYPE	POSTS				FOOTINGS							SIGN AREA			REMARKS
					TYPE	A L.F.	B L.F.	SPACING	DESIGN NO.	CLASS A CONCRETE C.Y.	CLASS AA CONCRETE C.Y.	STEEL 511(A) LBS.	60" DRILLED SHAFT L.F.	STRUCTURAL CONCRETE C.Y.	STEEL 804(B) LBS.	SHEET S.F.	PANEL S.F.	PANEL OVERHEAD S.F.	
T026	1	AS SHOWN	I-35	SPECIAL SIGNS NO. 1, 2 & 3														618.50	EXISTING STRUCTURE NO. 1
T026	2	AS SHOWN	I-35	SPECIAL SIGN NO. 4														269.75	EXISTING STRUCTURE NO. 2
T027	3	AS SHOWN	I-35	SPECIAL SIGN NO. 6														117.00	EXISTING STRUCTURE NO. 3
T027	4	118+00	I-35	W13-2E(40)	2" SQ. TUBE POST	16.0	16.0	2'-0"								12.00			
T029	5	395+00	BL RAMP B	SPECIAL SIGNS NO. 7 & 8									70.00					527.50	NEW TYPE B MONOTUBE STR NO. 4
T029	5A	398+70	BL RAMP B	D10-4(122)	2" SQ. TUBE POST	11.0										6.75			REMOVE EXISTING SIGN
T029	6	400+00	BL RAMP B	W13-3E(50)	2" SQ. TUBE POST	16.0	16.0	2'-0"								12.00			
T030	7	AS SHOWN	I-35	E5-1A(121A)	4" WF @ 13	22.0	23.0	4'-6"	KC-0					0.72	130.00		63.00		
T030	8	406+32	BL RAMP B	SPECIAL SIGN NO. 9									70.00					256.00	NEW TYPE B MONOTUBE STR NO. 5
T030	8A	AS SHOWN	BL RAMP B	E1-5P(121B)														39.00	EXIT PANEL 121B
T031	9	411+00	BL RAMP B	W1-2AE(L)(50)	2" SQ. TUBE POST	16.0	16.0	2'-4"								16.00			
T031	10	411+20	BL RAMP B	SPECIAL SIGNS NO. 10 & 11									70.00					325.50	NEW TYPE B MONOTUBE STR NO. 6
T031	11	415+90	BL RAMP M	SPECIAL SIGN NO. 10					THE FOOTING FOR THIS STRUCTURE IS DESIGNED INTO THE BRIDGE PIER									108.50	NEW TYPE C MONOTUBE STR NO. 7
T032	12	420+40	BL RAMP M	E5-1(R)	4" WF @ 13	15.0	15.0	3'-8"	I-BEAM POSTS BREAKAWAY BASE PLATES TO BE INSTALLED IN THE BRIDGE DECK								30.00		
T032	13	426+00	BL RAMP M	W1-2AE(R)(40)	2" SQ. TUBE POST	16.0	16.0	2'-4"								16.00			
T033	14	429+00	BL RAMP B	W1-2AE(L)(50)	2" SQ. TUBE POST	16.0	16.0	2'-4"								16.00			
T033	15	433+00	BL RAMP B	W4-3E(R)	2" SQ. TUBE POST	16.0	16.0	2'-4"								16.00			
T034	16	76+50	BL RAMP E	W4-3E(R)	2" SQ. TUBE POST	16.0	16.0	2'-4"								16.00			
T035	17	445+00	CL I-240	W4-2E(R)	2" SQ. TUBE POST	16.0	16.0	2'-4"								16.00			
T036	18	458+50	CL I-240	R2-1F(65), R2-4PF(40)	3-1/2" PIPE POST	20.0	20.0	4"	A					0.52	76.00	40.00			
				TOTALS	2" SQ. TUBE POST 3-1/2" PIPE POST 4" WF @ 13	267.0 0.0 0.0							210.00	1.24	206.00	166.75	93.00	2261.75	

Preliminary Plans

Design	RWR	05-24-22
Drawn	SB	05-24-22

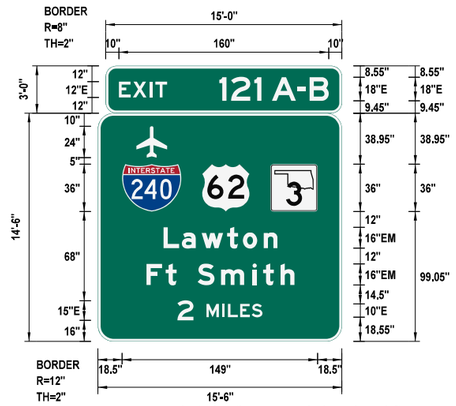
TEC A CLEAR DIRECTION

SIGN SUMMARY

State Job No. 09032(06) Sheet No. T020

OKLAHOMA COUNTY

05-24-22 G:\OProjects\T-245TC Design, I-240+35 Phase II - OKC\CAD\T020-090306-SIGN SUMMARY.dgn



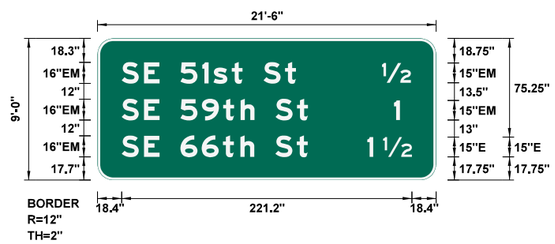
Dimensions are in: inches.tenths

Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	1		
WIDTH x HGHT.	15'-6" x 14'-6"		
BORDER WIDTH	2"		
CORNER RADIUS	12"		
MOUNTING	Overhead		
SIGN AREA	269.8 Sq.Ft.		
BACKGROUND	TYPE: Reflective		
	COLOR: Green		
LEGEND/BORDER	TYPE: Reflective		
	COLOR: White		

SYMBOL	X	Y	WID	HT
Airport	29.3	140	23.5	24
M1_1	18.5	99	45	36
M1_4	79.5	99.1	36	36
M1_62	131.5	99.1	36	36

																										LENGTH	SERIES / SIZE
E	X	I	T																								E 2000
10	20.7	33.5	37.7																							36.7	
1	2	1																									E 2000
84.6	93.6	111.2																								32	
A	-	B																									E 2000
124.6	144.2	153.4																								43.4	
L	a	w	t	o	n																						EM 2000
50	64	79.2	98.5	110.5	126.4																					86.9	
F	t		S	m	I	t	h																				EM 2000
37.1	51.6	60	76	93.9	117.9	125.9	139.3																			112.8	
2	M	I	L	E	S																						E 2000
60.6	82.8	94.8	99.2	108.4	117.3																					64.7	



Dimensions are in: inches.tenths

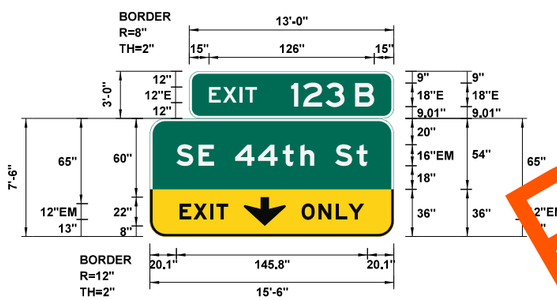
Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	2		
WIDTH x HGHT.	21'-6" x 9'-0"		
BORDER WIDTH	2"		
CORNER RADIUS	12"		
MOUNTING	Overhead		
SIGN AREA	193.5 Sq.Ft.		
BACKGROUND	TYPE: Reflective		
	COLOR: Green		
LEGEND/BORDER	TYPE: Reflective		
	COLOR: White		

SYMBOL	X	Y	WID	HT

LETTER POSITIONS (X)

																										LENGTH	SERIES / SIZE
S	E		5	1	s	t		S	t	1/2																	EM 2000
18.4	35.3	47.2	63.2	79.8	88.3	102.2	110.5	126.5	142.9	216.9																	
S	E		5	9	t	h		S	t	1																	EM 2000
18.4	35.3	47.2	63.2	79.5	95.7	109.1	119.7	135.7	152	226.1																212.2	
S	E		6	6	t	h		S	t																		EM 2000
18.4	35.3	47.2	63.2	79.3	95.5	108.9	119.5	135.5	151.8																	141.8	
1	1/2																										E 2000
205.6	217.6																									34	



Dimensions are in: inches.tenths

Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	3		
WIDTH x HGHT.	15'-6" x 7'-6"		
BORDER WIDTH	2"		
CORNER RADIUS	[illegible]		
MOUNTING	Overhead		
SIGN AREA	155.[illegible] Sq.Ft.		
BACKGROUND	TYPE: Reflective		
	COLOR: Green		
LEGEND/BORDER	TYPE: Reflective		
	COLOR: White		

SYMBOL	X	Y	WID	HT
AIRDOWN	71.6	8	32	22

LETTER POSITIONS (X)

																										LENGTH	SERIES / SIZE
E	X	I	T																								E 2000
15	25.7	38.5	42.7																							36.7	
1	2	3																									E 2000
77.7	86.7	103.8																								40.7	
B																											E 2000
126.4																										14.6	
S	E		4	4	t	h		S	t																		EM 2000
20.1	37.1	48.9	64.9	82.5	101.2	114.7	125.2	141.2	157.6																	145.8	
E	X	I	T																								EM 2000
22.6	33.2	46.2	50.7																							37	
O	N	L	Y																								EM 2000
115.6	128.6	141.6	151.2																							47.8	

Dimensions are in: inches.tenths

Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	4		
WIDTH x HGHT.	15'-6" x 14'-6"		
BORDER WIDTH	2"		
CORNER RADIUS	12"		
MOUNTING	Overhead		
SIGN AREA	269.8 Sq.Ft.		
BACKGROUND	TYPE: Reflective		
	COLOR: Green		
LEGEND/BORDER	TYPE: Reflective		
	COLOR: White		

SYMBOL	X	Y	WID	HT
Airport	29.3	140	23.5	24
M1_1	18.5	99	45	36
M1_4	79.5	99.1	36	36
M1_62	131.5	99.1	36	36

LETTER POSITIONS (X)

																										LENGTH	SERIES / SIZE
E	X	I	T																								E 2000
16	25.7	38.5	42.7																							36.7	
1	2	1		A	-	B																					E 2000
71.6	80.6	98.2	103.6	121.5	141.2	150.4																				93.4	
L	a	w	t	o	n																						EM 2000
50	64	79.2	98.5	110.5	126.4																					86.9	
F	t		S	m	I	t	h																				EM 2000
37.1	51.6	60	76	93.9	117.9	125.9	139.3																			112.8	
1	M	I	L	E																							E 2000
60.6	75.1	87.1	91.5	100.7																						47.6	

REVISIONS

NO.	DESCRIPTION	DATE

Preliminary Plans

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

SPECIAL SIGN DETAILS (1 OF 3)

State Job No. 09032(06) Sheet No. T021

OKLAHOMA COUNTY

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05-24-22

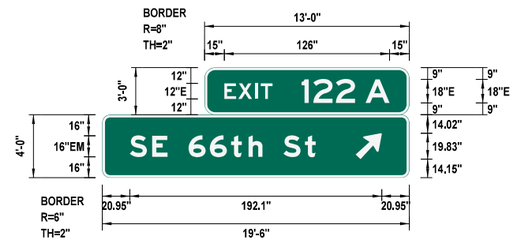
REVISIONS		
NO.	DESCRIPTION	DATE

SPECIAL SIGN NO. 5
OMITTED

SPECIAL SIGN NO.	
WIDTH x HGHT.	
BORDER WIDTH	
CORNER RADIUS	
MOUNTING	
SIGN AREA	
BACKGROUND	TYPE:
	COLOR:
LEGEND/BORDER	TYPE:
	COLOR:

SYMBOL	X	Y	WID	HT

LETTER POSITIONS (X)	LENGTH	SERIES / SIZE



Dimensions are in: inches.tenths

Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	6
WIDTH x HGHT.	19'-6" x 4'-0"
BORDER WIDTH	2"
CORNER RADIUS	6"
MOUNTING	Overhead
SIGN AREA	117.0 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	193.2	14.2	16	25.2

LETTER POSITIONS (X)																									LENGTH	SERIES / SIZE
E	X	I	T																							2000
15	25.7	38.5	42.7																							
1	2	2																								E 2000
73.9	82.9	100																							40.7	
A																										E 2000
122.6																									18.4	
S	E		6	6	t	h		S	t																	EM 2000
21	37.9	49.8	65.8	81.9	98.1	111.5	122.1	138.1	154.4																141.8	

Dimensions are in: inches.tenths

Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	8
WIDTH x HGHT.	15'-6" x 16'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
SIGN AREA	287.0 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	18.6	113.2	45	36
M1_6E2	79.6	113.2	36	36
M1_1	130.6	113.2	36	36
AR_Type A	75.1	6.6	20	31.5

LETTER POSITIONS (X)																									LENGTH	SERIES / SIZE
E	X	I	T																							E 2000
15	25.7	38.5	42.7																						36.7	
1	2	1																								E 2000
88.9	97.9	115.5																							32	
A																										E 2000
126.4																									18.4	
T	O																									E 2000
137.2	149.9																								22.9	
E	A	S	T																							E 2000
48.8	61.5	75.1	86.1																						46.4	
F	t		S	m	I	t	h																			EM 2000
35.3	49.8	58.1	74.1	92.1	116.1	124.1	137.5																		112.8	
S	E		8	2	n	d		S	t																	EM 2000
21.7	38.6	50.5	66.5	82.8	100.7	116.2	126.8	142.8	159.1																145.8	
E	X	I	T																							E 2000
26.4	37.1	49.5	54.1																						36.7	
O	N	L	Y																							E 2000
112	124.8	137.6	147.6																						47.9	

Dimensions are in: inches.tenths

Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	7
WIDTH x HGHT.	15'-6" x 13'-0"
BORDER WIDTH	2"
CORNER RADIUS	[illegible]
MOUNTING	Overhead
SIGN AREA	240.[illegible] Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: [illegible]en
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	29.3	116.1	23.5	24
M1_1	18.5	75.1	45	36
M1_4	79.5	75.1	36	36
M1_62	131.5	75.1	36	36

LETTER POSITIONS (X)																									LENGTH	SERIES / SIZE
E	X	I	T																							E 2000
15	25.7	38.5	42.7																						36.7	
1	2	1																								E 2000
86.4	95.4	113																							32	
B																										E 2000
126.4																									14.6	
W	E	S	T																							E 2000
73.1	91.2	101.9	112.9																						48.8	
L	a	w	t	o	n																					E 2000
61.7	75.1	86.5	102.3	110.8	123.4																				71.7	
1/4	M	I	L	E																						E 2000
55.5	99.8	114.2	119.5	130.5																					84.1	

Preliminary Plans

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

SPECIAL SIGN DETAILS
(2 OF 3)

State Job No. 09032(06) Sheet No. T022

OKLAHOMA COUNTY

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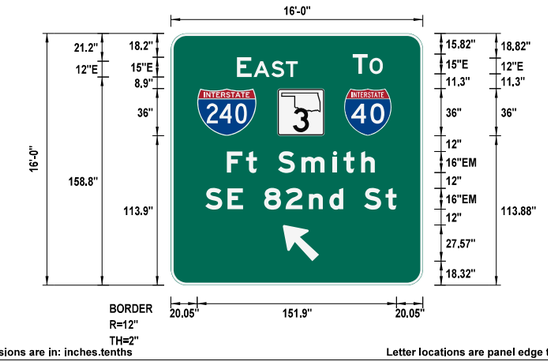
05-24-22



Dimensions are in: inches.tenths

Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	9
WIDTH x HGHT.	16'-0" x 16'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
SIGN AREA	256.0 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	20.1	113.9	45	36
M1_6E2	81.1	113.9	36	36
M1_1	132.1	113.9	36	36
AR_Type A	85.3	18.3	22.2	35

LETTER POSITIONS (X)

																								LENGTH	SERIES / SIZE
T	O																								E 2000
138.6	151.4																							22.9	
E	A	S	T																						E 2000
50.2	63	76.6	87.6																					46.4	
F	t		S	m	l	t	h																		EM 2000
42.7	57.2	65.5	81.5	99.5	123.5	131.5	144.9																	112.8	
S	E		8	2	n	d		S	t																EM 2000
26.2	43.1	55	71	87.3	105.2	120.7	131.3	147.3	163.6															145.8	

Dimensions are in: inches.tenths

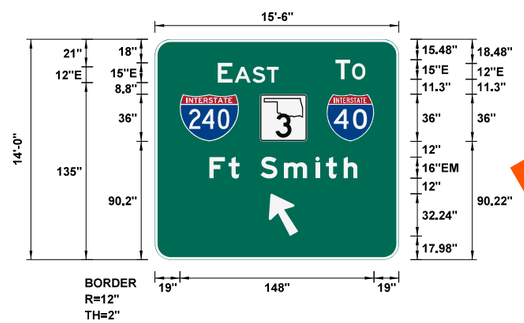
Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	10
WIDTH x HGHT.	15'-6" x 7'-0"
BORDER WIDTH	2"
CORNER RADIUS	11"
MOUNTING	Overhead
SIGN AREA	108.5 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	79.2	12.8	22.2	35

LETTER POSITIONS (X)

																								LENGTH	SERIES / SIZE
S	E		8	2	n	d		S	t																EM 2000
20.1	37.1	48.9	64.9	81.2	99.2	114.7	125.2	141.2	157.6																



Dimensions are in: inches.tenths

Letter locations are panel edge to lower left corner

SPECIAL SIGN NO.	11
WIDTH x HGHT.	15'-6" x 14'-0"
BORDER WIDTH	2"
CORNER RADIUS	[illegible]
MOUNTING	Overhead
SIGN AREA	217.[illegible] Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	19	90.2	45	36
M1_6E2	80	90.2	36	36
M1_1	131	90.2	36	36
AR_Type A	86.8	18	22.2	35

LETTER POSITIONS (X)

																								LENGTH	SERIES / SIZE
T	O																								E 2000
137.6	150.4																							22.9	
E	A	S	T																						E 2000
48	60.8	74.3	85.4																					46.4	
F	t		S	m	l	t	h																		EM 2000
41.6	56.2	64.5	80.5	98.4	122.4	130.4	143.8																	112.8	

SPECIAL SIGN NO.	
WIDTH x HGHT.	
BORDER WIDTH	
CORNER RADIUS	
MOUNTING	
SIGN AREA	
BACKGROUND	TYPE:
	COLOR:
LEGEND/BORDER	TYPE:
	COLOR:

SYMBOL	X	Y	WID	HT

LETTER POSITIONS (X) LENGTH SERIES / SIZE

REVISIONS

NO.	DESCRIPTION	DATE

Preliminary Plans

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

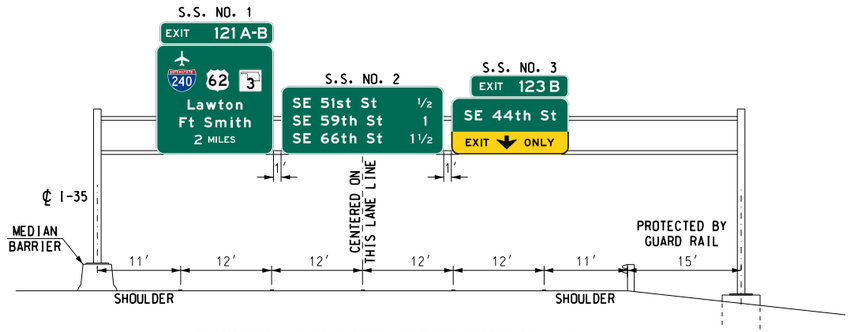
SPECIAL SIGN DETAILS (3 OF 3)

State Job No. 09032(06) Sheet No. T023

OKLAHOMA COUNTY

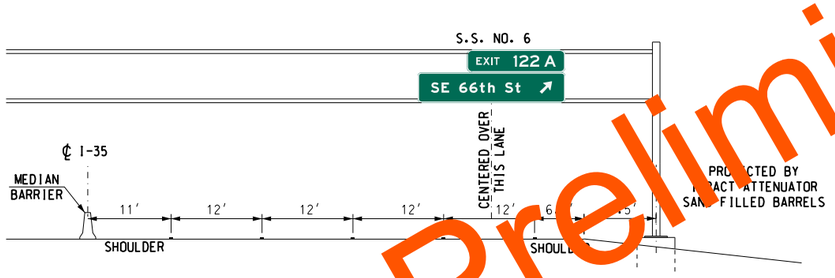
05-24-22 G:\OIProjects\T-2457C Design\I-240-I-35 Phase II - OKC\CAD\T023-0903206-SP SIGN 3.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

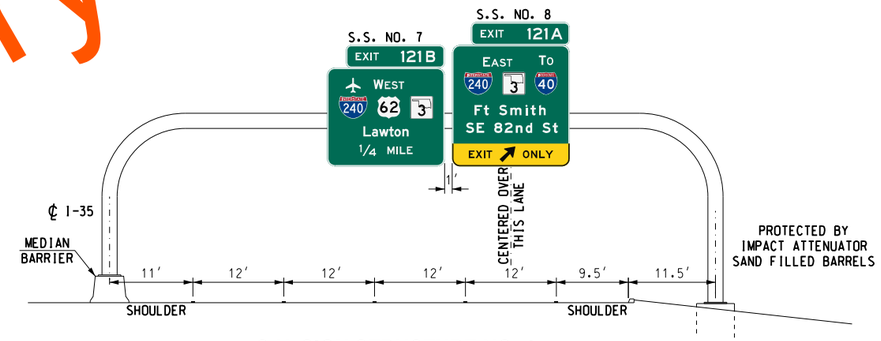


EXISTING O.H. SIGN STRUCTURE NO. 1
85' TYPE "A"
℄ I-35 SOUTH BOUND
APPROX. @ MILE MARKER 124
(618.5 S.F.)

EXISTING O.H. SIGN STRUCTURE NO. 2
150' TYPE "B"
℄ I-35 SOUTH BOUND
APPROX. @ MILE MARKER 123
(425.0 S.F.)



EXISTING O.H. SIGN STRUCTURE NO. 3
150' TYPE "B"
℄ I-35 SOUTH BOUND
STA. 120+00
(159.0 S.F.)



O.H. SIGN STRUCTURE NO. 4
80' TYPE "B" MONOTUBE
℄ I-35 SOUTH BOUND
STA. 395+00 (RAMP B)
(527.5 S.F.)

Preliminary Plans

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

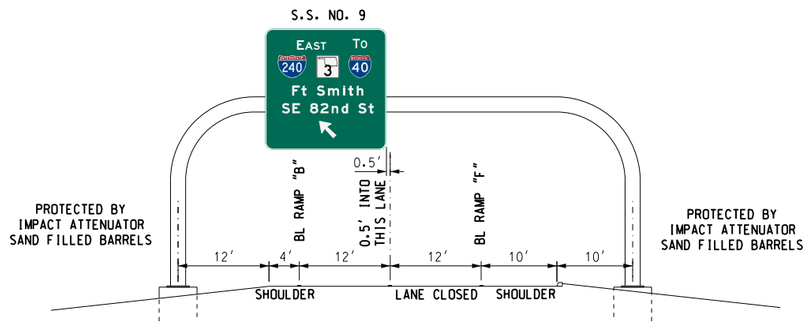
SIGN STRUCTURE DETAILS
(1 OF 2)

State Job No. 09032(06) Sheet No. T024

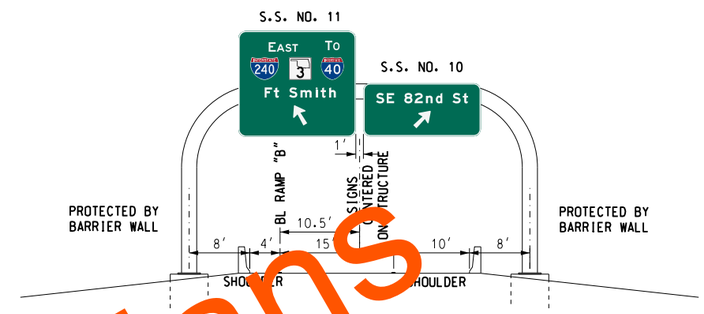
OKLAHOMA COUNTY

05-24-22 G:\OKProjects\T-2457C Design,I-240-I-35 Phase II - OKC\CAD\T024-090306-OH SIGN STR DET.dgn

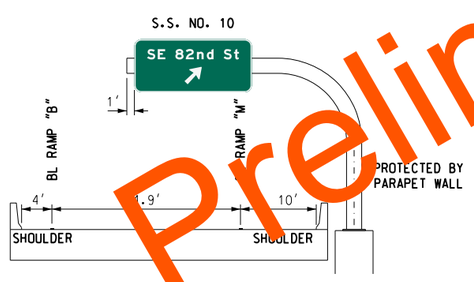
REVISIONS		
NO.	DESCRIPTION	DATE



O.H. SIGN STRUCTURE NO. 5
60' TYPE "B" MONOTUBE
STA. 406+32 (BL RAMP "B")
(256.0 S.F.)



O.H. SIGN STRUCTURE NO. 6
45' TYPE "B" MONOTUBE
STA. 411+20 (BL RAMP "B")
(325.5 S.F.)



O.H. SIGN STRUCTURE NO. 7
TYPE "C" MONOTUBE (PIER MOUNTED)
STA. 415+90 (BL RAMP "M")
(108.5 S.F.)

Preliminary Plans

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

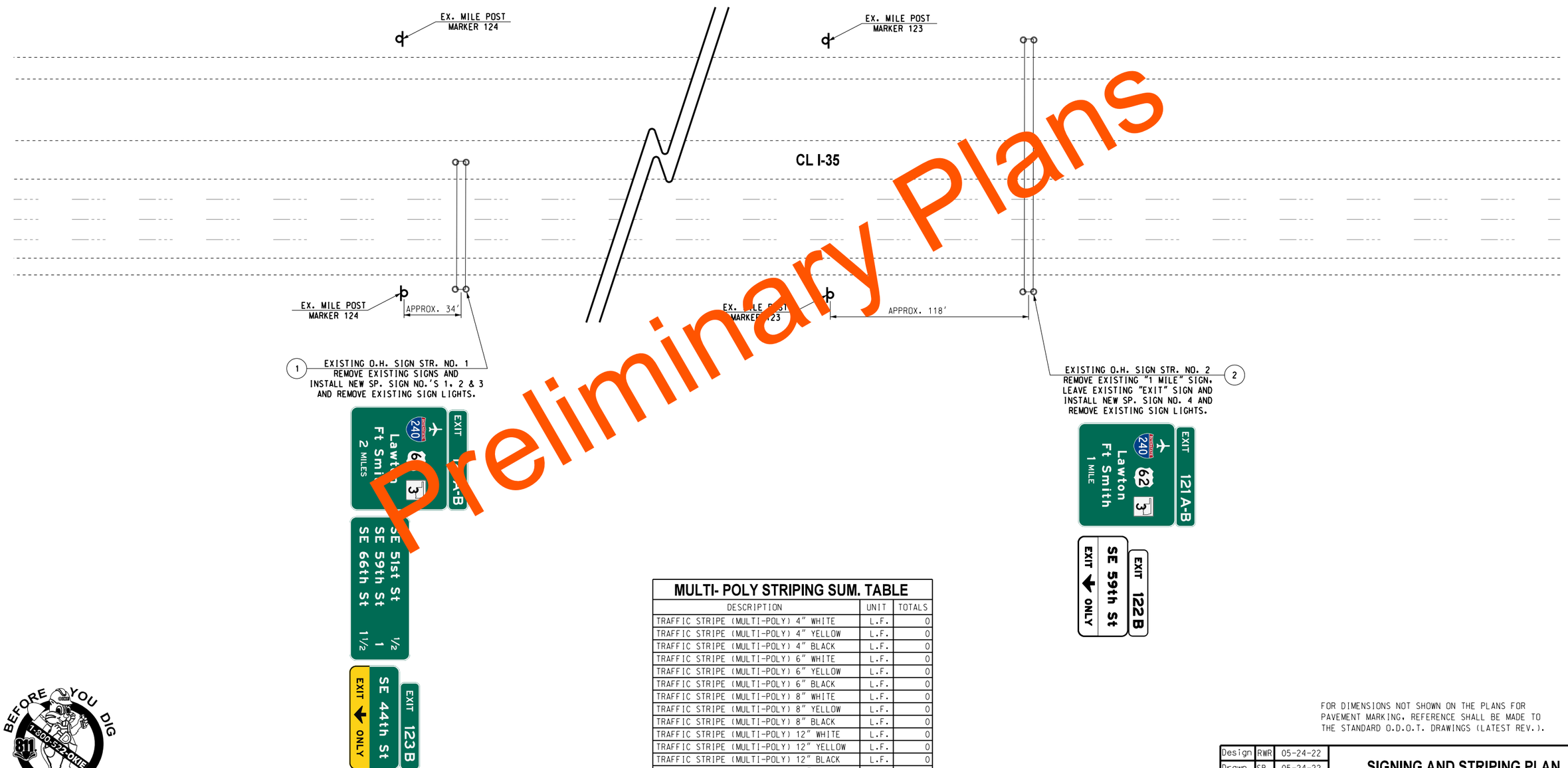
SIGN STRUCTURE DETAILS
(2 OF 2)

State Job No. 09032(06) Sheet No. T025

OKLAHOMA COUNTY

05-24-22 G:\OKProjects\T-2457C Design,I-240-I-35 Phase II - OKC\CAD\T025-090306-OH SIGN STR DET.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



Preliminary Plans

MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

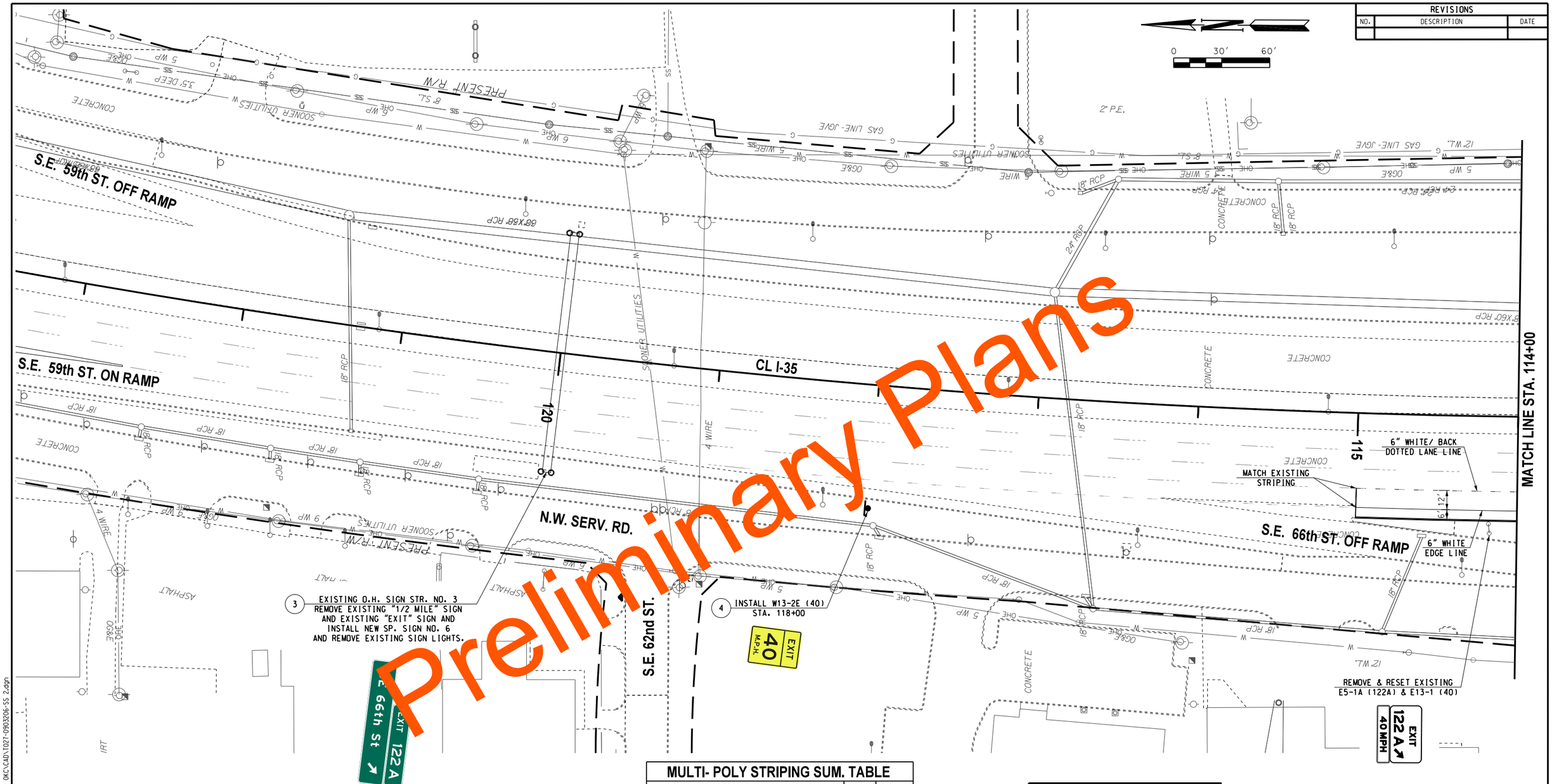
SIGNING AND STRIPING PLAN
(1 OF 11)

State Job No. 09032(06) Sheet No. T026

OKLAHOMA COUNTY

05-24-22 G:\OIProjects\T-2457C Design\I-240-I-35 Phase II - OKC\CAD\T026-0903206-SS.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



Preliminary Plans

MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	130
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	30
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

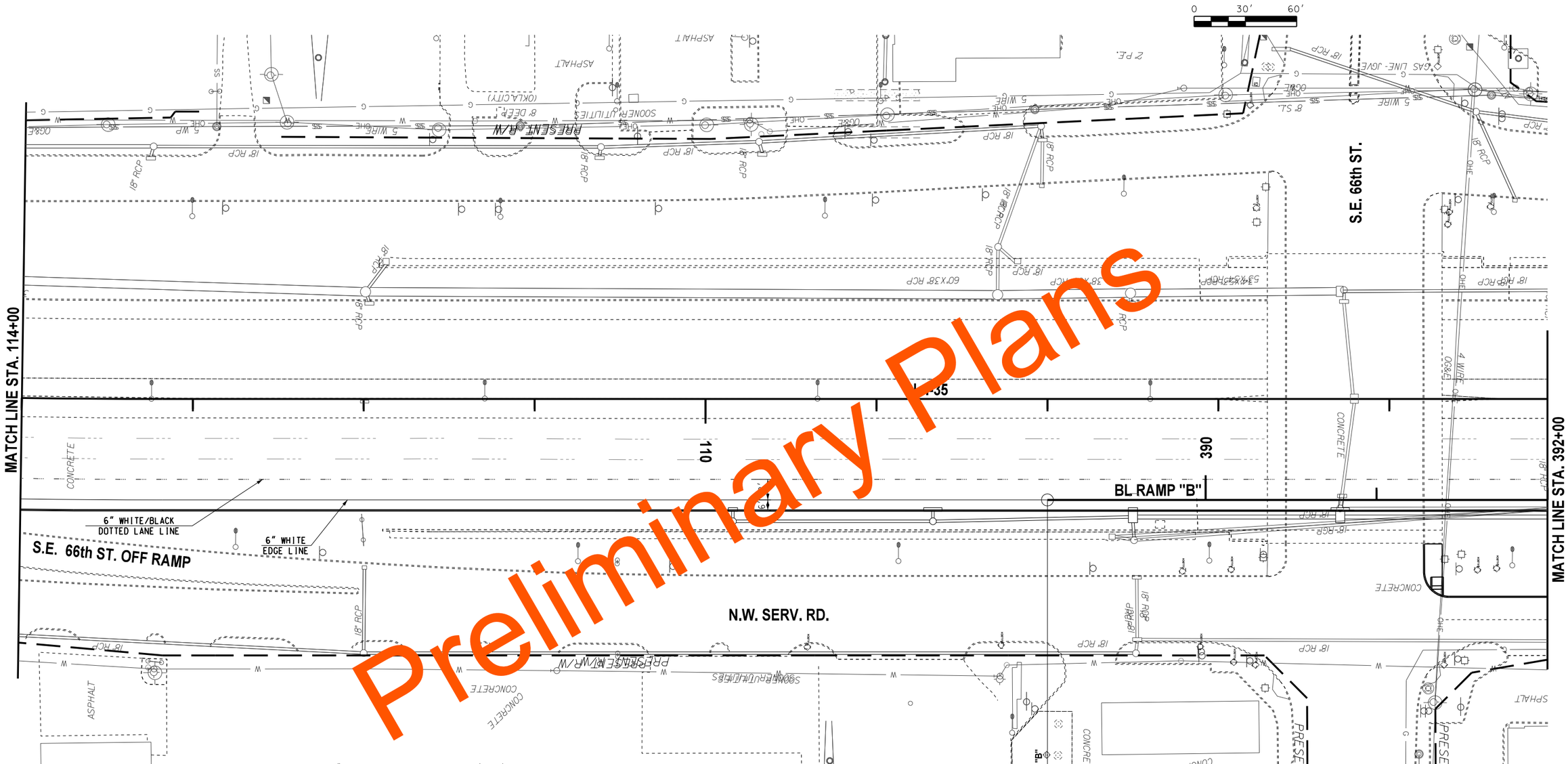
SIGNING AND STRIPING PLAN (2 OF 11)

State Job No. 09032(06) Sheet No. T027

OKLAHOMA COUNTY

05-24-22 G:\0\Projects\1-2457C Design,I-240-I-35 Phase II - OKC\CAD\T027-090306-SS 2.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1115
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	225
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

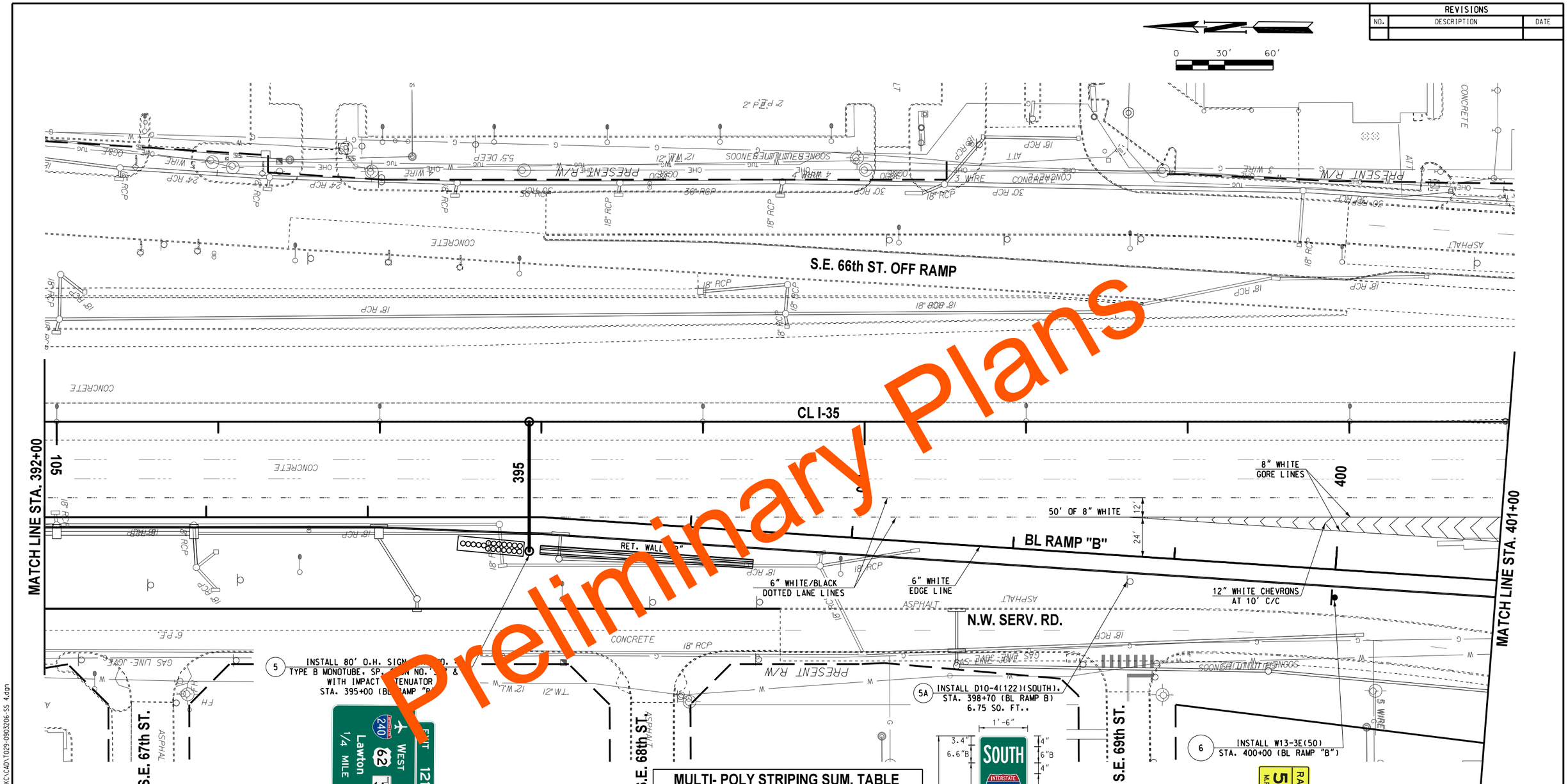
SIGNING AND STRIPING PLAN (3 OF 11)

State Job No. 09032(06) Sheet No. T028

OKLAHOMA COUNTY

05-24-22 G:\OIProjects\T-2457C Design\I-240-I-35 Phase II - OKC\CAD\T028-0903206-SS 3.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



Preliminary Plans

MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1205
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	305
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	510
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	220
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

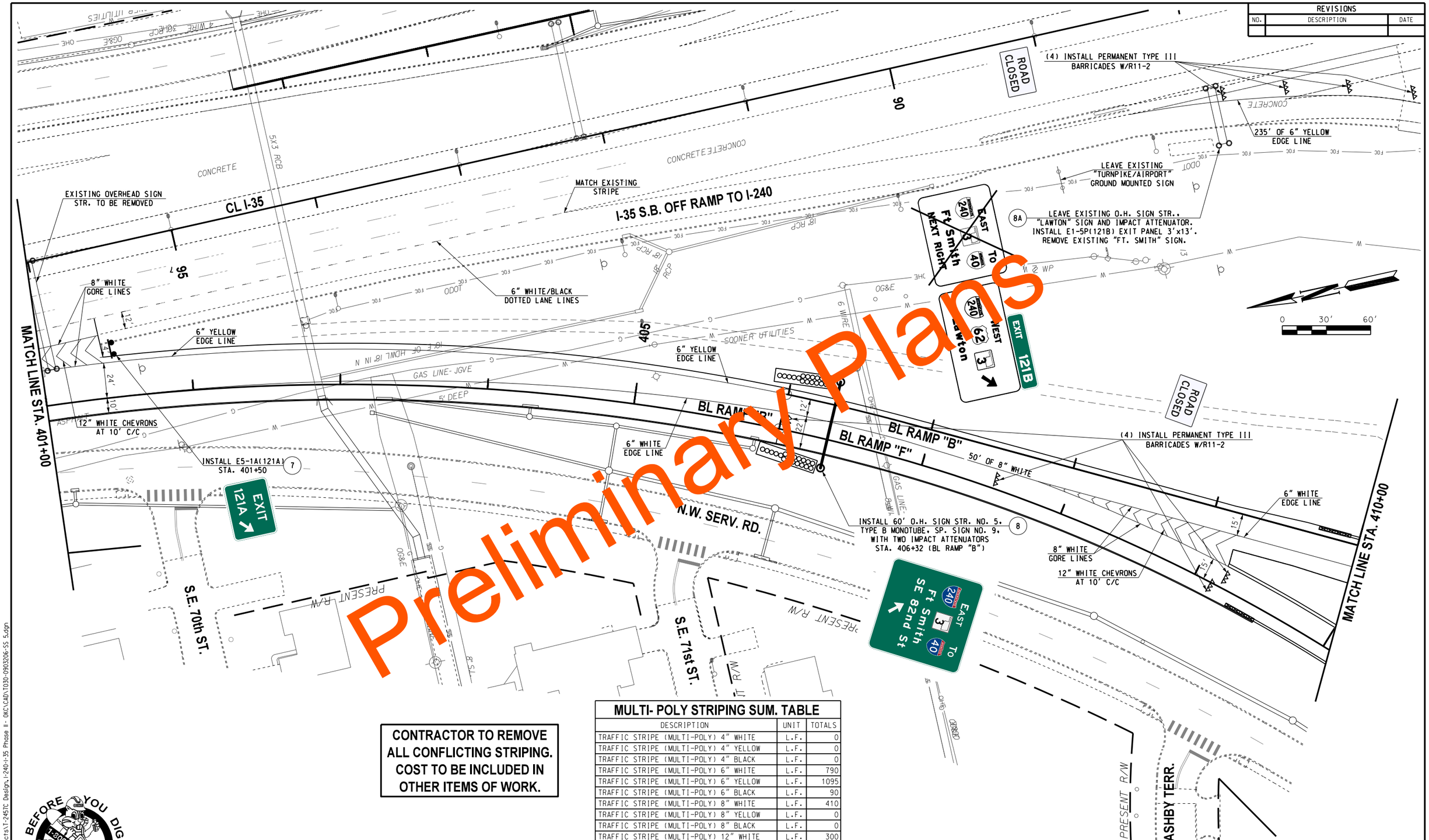
SIGNING AND STRIPING PLAN (4 OF 11)

State Job No. 09032(06) Sheet No. T029

OKLAHOMA COUNTY

05-24-22 G:\OIProjects\T-2457C Design,I-240-I-35 Phase II - OKC\CAD\T029-090306-SS 4.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



Preliminary Plans

CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	790
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	1095
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	90
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	410
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	300
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

SIGNING AND STRIPING PLAN (5 OF 11)

State Job No. 09032(06) Sheet No. T030

OKLAHOMA COUNTY

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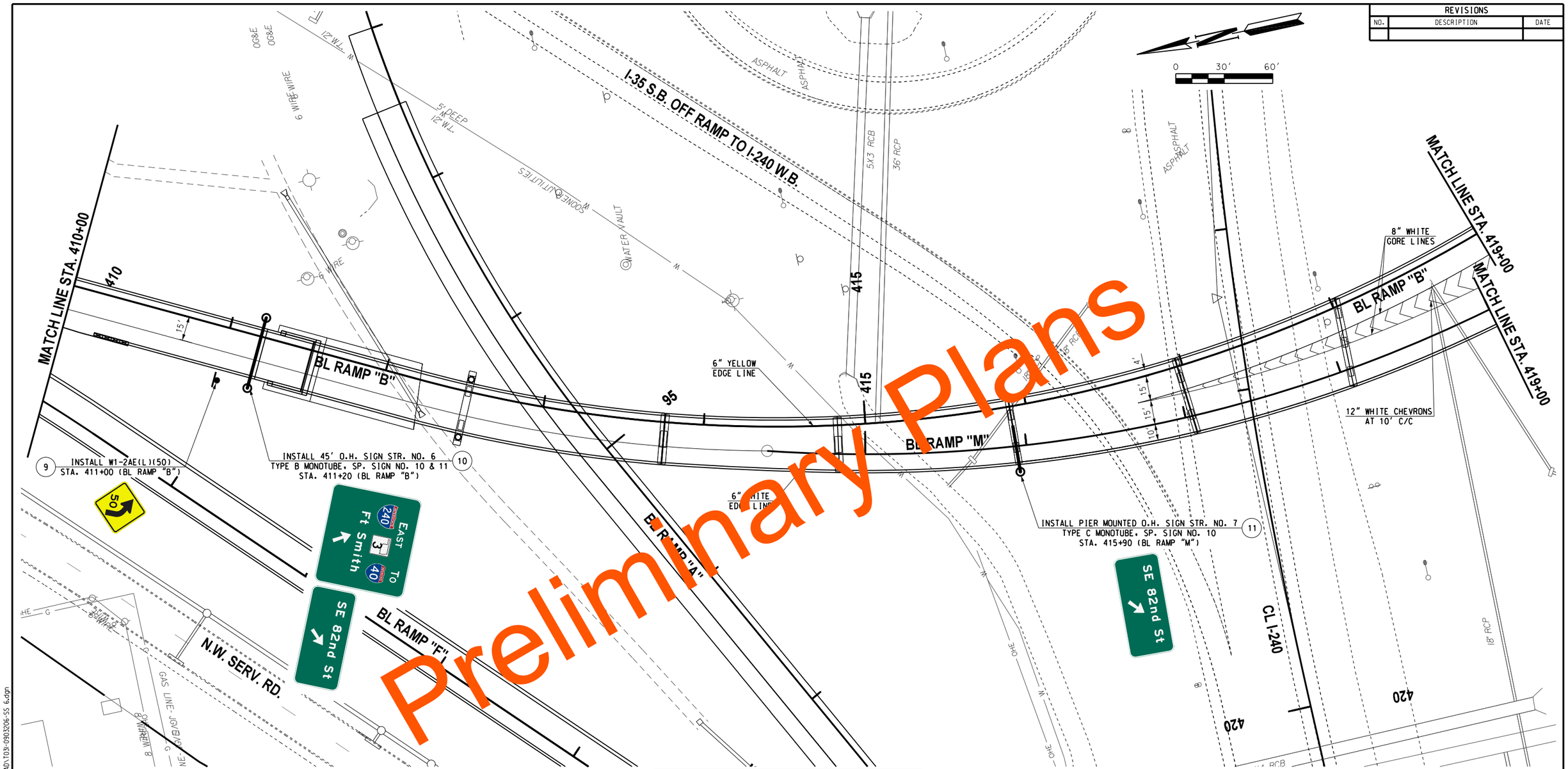


MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	900
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	900
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	465
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	240
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

REVISIONS		
NO.	DESCRIPTION	DATE

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

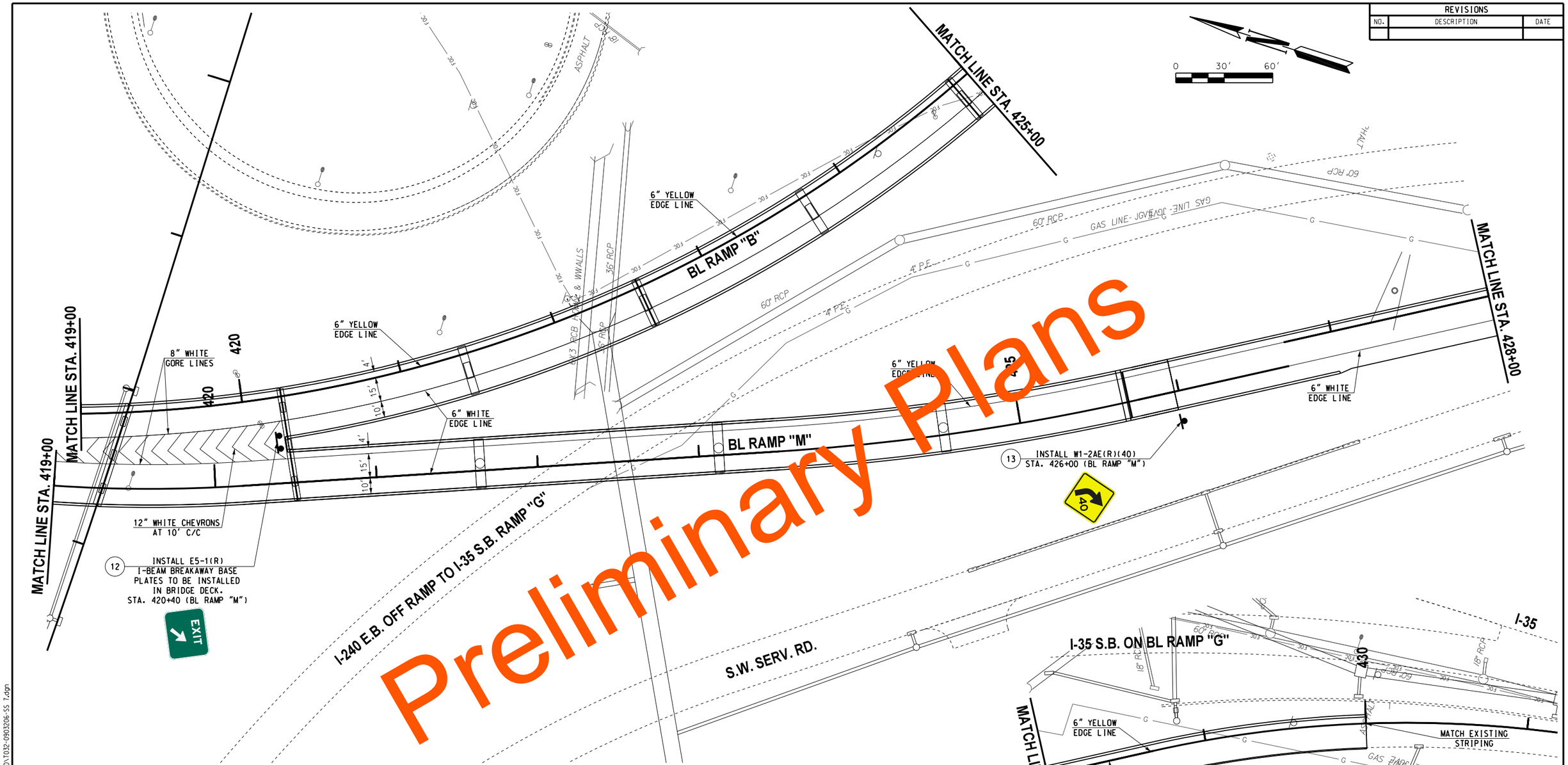
SIGNING AND STRIPING PLAN (6 OF 11)

State Job No. 09032(06) Sheet No. T031

OKLAHOMA COUNTY

05-24-22 G:\OKProjects\T-2457C Design,I-240-I-35 Phase II - OKC\CAD\T031-090320G-SS 6.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1445
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	1550
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	275
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	340
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	05-24-22
Drawn	SB	05-24-22

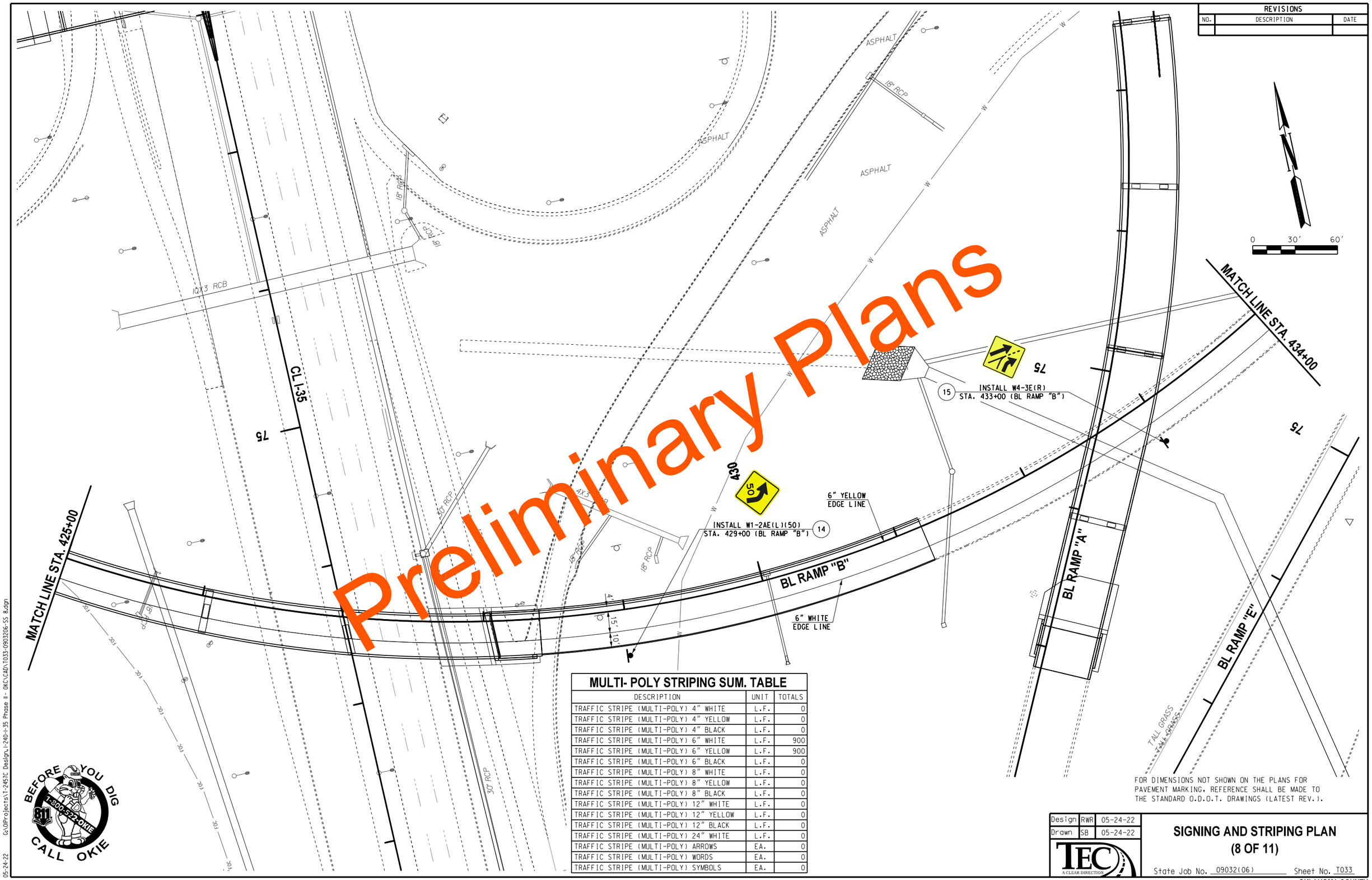
TEC A CLEAR DIRECTION

SIGNING AND STRIPING PLAN (7 OF 11)

State Job No. 09032(06) Sheet No. T032

OKLAHOMA COUNTY

05-24-22 G:\OIProjects\T-2457C Design\I-240-I-35 Phase III - OKC\CAD\T032-0903206-SS 7.dgn



REVISIONS		
NO.	DESCRIPTION	DATE

MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	900
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	900
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

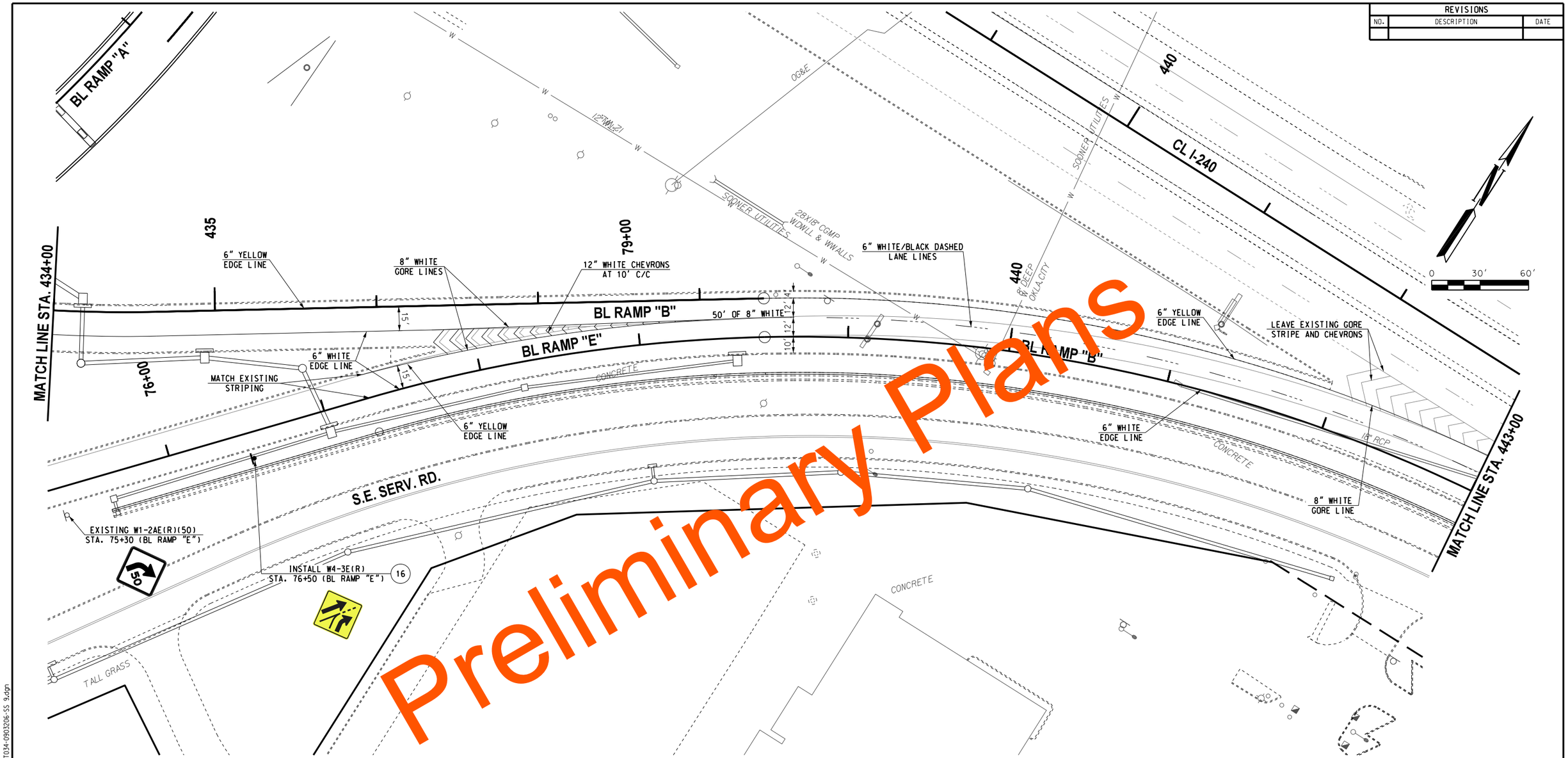
SIGNING AND STRIPING PLAN
(8 OF 11)

State Job No. 09032(06) Sheet No. T033

OKLAHOMA COUNTY

05-24-22 G:\OIProjects\T-2457C Design,I-240-I-35 Phase II - OKC\CAD\T033-090306-SS 8.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



Preliminary Plans

MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1050
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	845
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	110
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	395
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	150
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

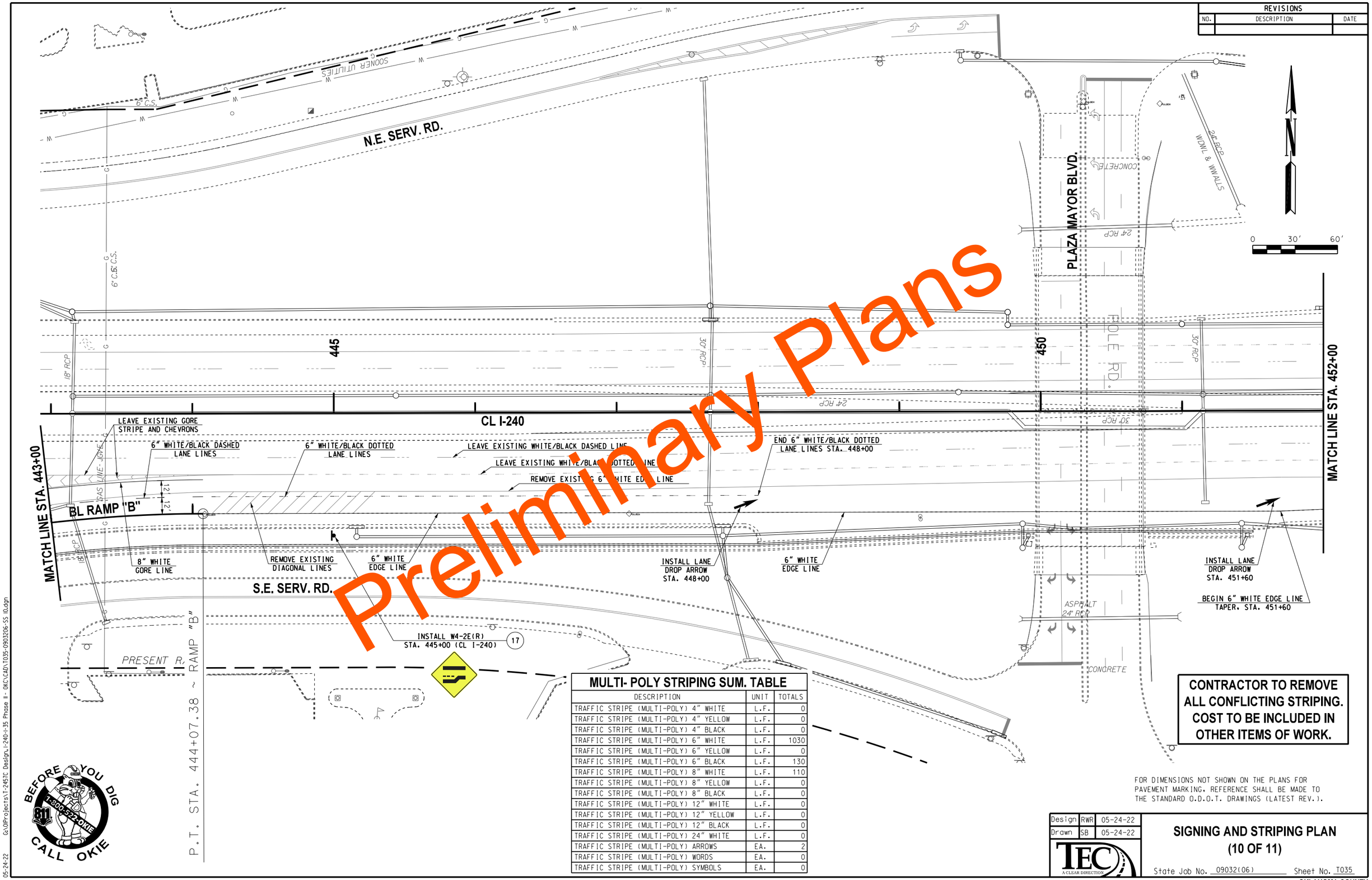
SIGNING AND STRIPING PLAN (9 OF 11)

State Job No. 09032(06) Sheet No. T034

OKLAHOMA COUNTY

05-24-22 G:\OIProjects\T-2457C Design\I-240-I-35 Phase II - OKC\CAD\T034-0903206-SS 9.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1030
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	130
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	110
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	2
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

SIGNING AND STRIPING PLAN (10 OF 11)

State Job No. 09032(06) Sheet No. T035

OKLAHOMA COUNTY

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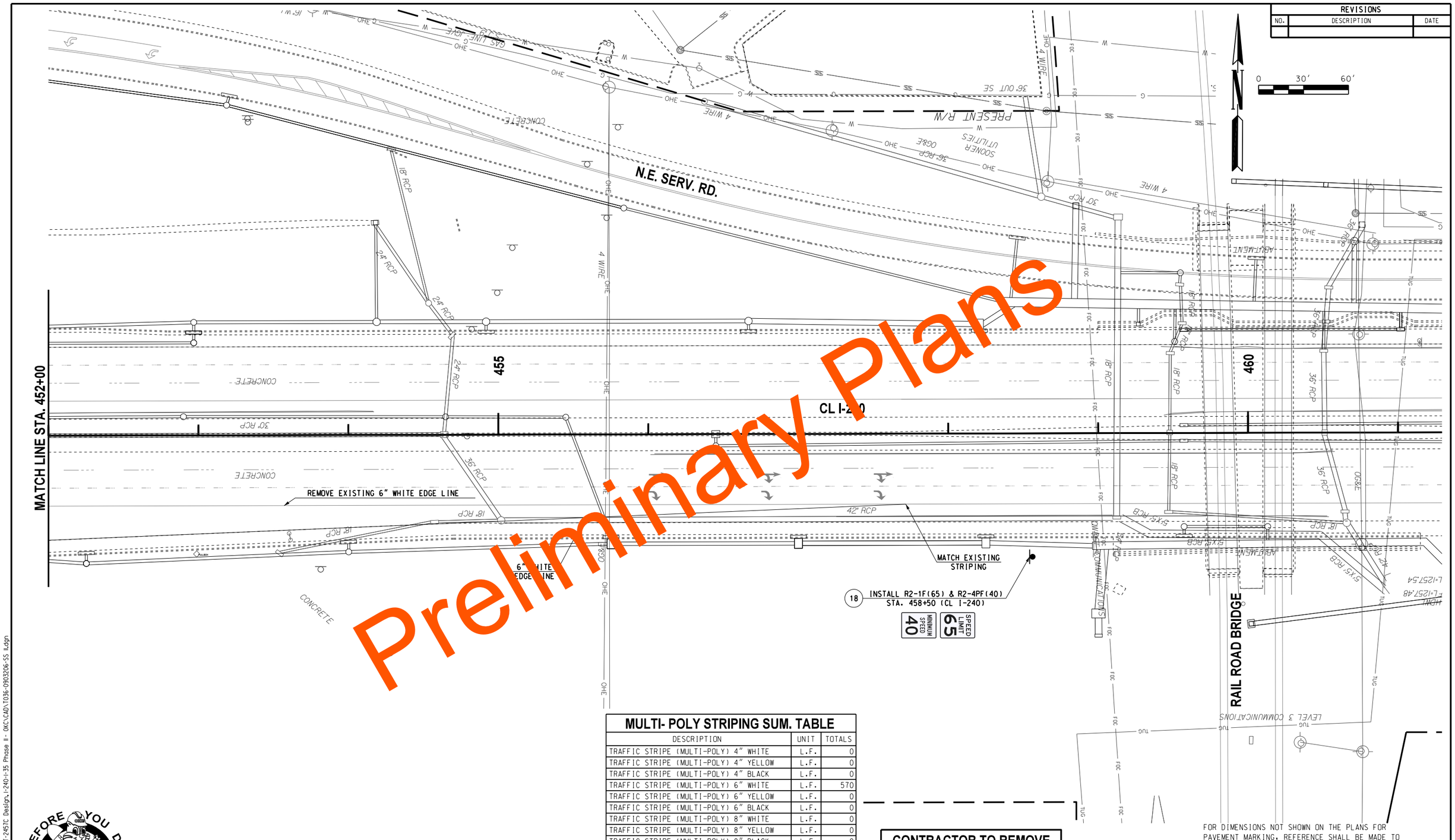


Preliminary Plans

REVISIONS		
NO.	DESCRIPTION	DATE

MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	570
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKING, REFERENCE SHALL BE MADE TO THE STANDARD O.D.O.T. DRAWINGS (LATEST REV.).

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	05-24-22
Drawn	SB	05-24-22

TEC A CLEAR DIRECTION

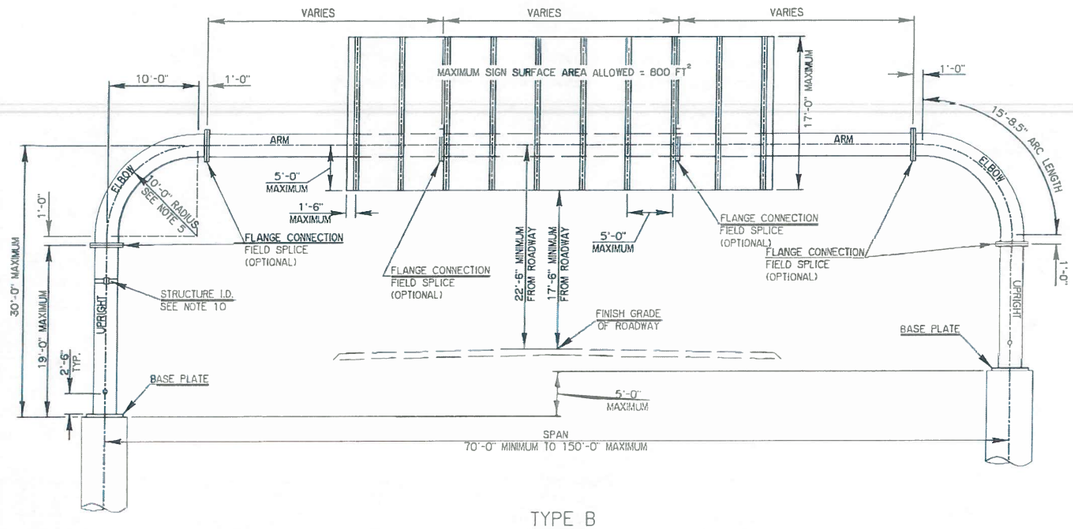
SIGNING AND STRIPING PLAN (11 OF 11)

State Job No. 09032(06) Sheet No. T036

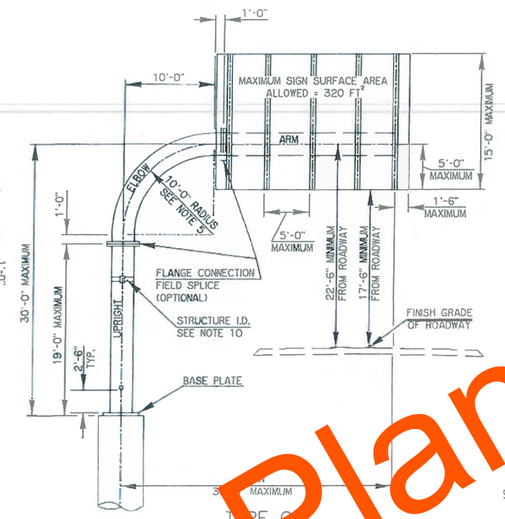
OKLAHOMA COUNTY

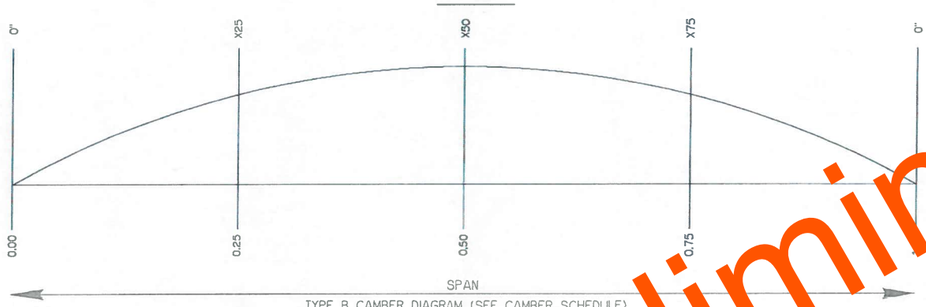
05-24-22 G:\0Projects\T-2457C Design, I-240-I-35 Phase II - OK(CADD\T036-0903206-SS II.dgn

REVISIONS			
REV. NO.	DESCRIPTION		DATE

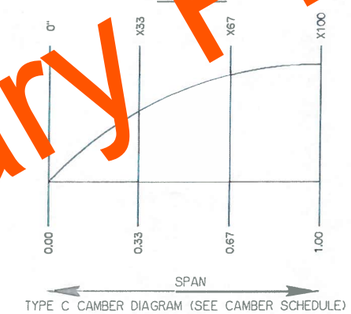


TYPE B





TYPE B CAMBER DIAGRAM (SEE CAMBER SCHEDULE)



TYPE C CAMBER DIAGRAM (SEE CAMBER SCHEDULE)

TYPE B CAMBER SCHEDULE			
SPAN (FT)	X25 (IN)	X50 (IN)	X75 (IN)
70	1.08	1.27	1.08
75	1.20	1.43	1.20
80	1.32	1.61	1.32
85	1.46	1.81	1.46
90	1.61	2.03	1.61
95	1.62	1.94	1.62
100	1.77	2.22	1.77
105	1.93	2.46	1.93
110	2.10	2.72	2.10
115	2.28	3.00	2.28
120	2.48	3.31	2.48
125	2.60	3.65	2.60
130	2.92	4.01	2.92
135	3.17	4.40	3.17
140	3.43	4.83	3.43
145	3.71	5.29	3.71
150	4.02	5.78	4.02

TYPE C CAMBER SCHEDULE			
SPAN (FT)	X33 (IN)	X67 (IN)	X100 (IN)
30	0.86	1.44	2.03

GENERAL NOTES

1. MAXIMUM SIGN HEIGHT TO BE USED ON THE TYPE C STRUCTURE SHALL BE 15 FEET. MAXIMUM SIGN HEIGHT TO BE USED ON THE TYPE B STRUCTURE SHALL BE 17 FEET.
2. MAXIMUM SIGN AREA TO BE USED ON THE TYPE C STRUCTURE SHALL BE 320 SQUARE FEET. MAXIMUM SIGN AREA TO BE USED ON THE TYPE B STRUCTURE SHALL BE 800 SQUARE FEET.
3. FOR SIGNS LESS THAN 10'-0" TALL, SIGNS SHALL BE CENTERED ON THE SPAN. FOR SIGNS GREATER THAN OR EQUAL TO 10'-0" TALL, BOTTOM OF SIGNS SHALL BE 5'-0" BELOW ℄ OF THE SPAN.
4. THE LENGTH OF THE ARM MEMBERS LABELED AS 'VARIES' SHOULD BE A MINIMUM OF 30'-0" FOR TYPE 'B' MONOTUBE SIGN STRUCTURES.
5. ADJUST BEND RADIUS ACCORDING TO CAMBER DIAGRAM. ALL TRANSVERSE PLATES CONNECTING TO AN ELBOW SHALL BE PERPENDICULAR TO THE CENTERLINE OF THE ELBOW AT THE LOCATION OF THE CONNECTION.
6. STRUCTURAL STEEL TUBING USED IN THE FABRICATION OF MONOTUBES SHALL EITHER BE COLD-FORMED WELDED OR SEAMLESS TUBING CONFORMING TO THE ASTM A500, GRADE C (MEETING AASHTO M270 ZONE 2 FRACTURE CRITICAL CHARPY V-NOTCH REQUIREMENTS) OR API 5L PSL 2, GRADE X52 (MEETING AASHTO M270 ZONE 2 FRACTURE CRITICAL CHARPY V-NOTCH REQUIREMENTS).
7. BASE PLATES, FLANGE PLATES, AND FILLER PLATES TO BE STRUCTURAL STEEL CONFORMING TO THE SPECIFICATIONS OF ASTM DESIGNATION: A709, GRADE 50.
8. ALL FLANGE BOLTS TO CONFORM TO THE SPECIFICATIONS OF ASTM A490, TYPE 1,AND SHALL BE TIGHTENED AND INSPECTED USING DIRECT TENSION INDICATORS TO CONFORM TO THE SPECIFICATIONS OF ASTM F959,TYPE 490. ALL WASHERS TO CONFORM TO THE SPECIFICATIONS OF ASTM F436, TYPE 1. ALL NUTS USED TO FASTEN ASTM A490 BOLTS SHALL BE ASTM A563, GRADE DH. ALL ANCHOR BOLTS TO CONFORM TO THE SPECIFICATIONS OF ASTM F1554-GRADE 55 (MEETING ASTM F1554 CHARPY V-NOTCH REQUIREMENTS) AND TO BE TIGHTENED AND INSPECTED USING DIRECT TENSION INDICATORS CONFORMING TO THE SPECIFICATIONS OF ASTM F2437 (TYPE 1 GRADE 55). ALL ANCHOR BOLT NUTS TO CONFORM TO THE SPECIFICATIONS OF ASTM A563-GRADE A. ALL ANCHOR BOLT WASHERS TO CONFORM TO THE SPECIFICATIONS OF ASTM F436, TYPE 1.
9. HOT-DIP GALVANIZE ALL TUBE MEMBERS AND PLATES PER ASTM A123. COAT ASTM A490 FASTENERS PER ASTM F1136, GRADE 3. WHEN COATING ASTM A490 FASTENERS HYDROGEN EMBRITTLEMENT SHALL BE INVESTIGATED AND PREVENTED PER THE APPLICABLE ASTM SPECIFICATIONS. COAT NUTS USED WITH ASTM A490 FASTENERS PER ASTM F1136, GRADE 5. COAT WASHERS USED WITH ASTM A490 FASTENERS PER ASTM F1136, GRADE 3. COAT ANCHOR BOLTS, NUTS USED WITH ANCHOR BOLTS, AND WASHERS USED WITH ANCHOR BOLTS PER ASTM F2329.
10. STAMP STRUCTURE IDENTIFICATION ON UPRIGHT OF STRUCTURE WITH THE FOLLOWING INFORMATION: JP#,TYPE 'B' OR TYPE 'C', STRUCTURE LENGTH, MAXIMUM ALLOWABLE SIGN AREA, MAXIMUM ALLOWABLE SIGN HEIGHT, DATE MANUFACTURED, AND MANUFACTURER'S NAME.
11. MAST ARMS TO BE TEMPORARILY SUPPORTED TO TAKE ALL LOAD OFF OF THE FIELD SPLICES WHILE BOLTS ARE BEING TIGHTENED IN ORDER TO FIRMLY SEAT THE FLANGE PLATES AND BASE PLATES.
12. POSTS FOR TUBULAR SIGN STRUCTURES TO BE FORMED TO THE RADII SHOWN ON THE PLANS BY FABRICATION METHODS WHICH WILL NOT CRIMP OR BUCKLE THE INTERIOR RADIUS OF THE PIPE BEND.
13. CLIPS, EYES OR REMOVABLE BRACKETS TO BE AFFIXED TO ALL POSTS AND MAST ARMS, AS NECESSARY, TO SECURE THE SIGN DURING SHIPPING AND FOR LIFTING AND MOVING DURING ERECTION. THIS IS TO PREVENT DAMAGE TO THE FINISHED GALVANIZED OR PAINTED SURFACES. BRACKETS ON TUBULAR SIGN STRUCTURES TO BE REMOVED AFTER ERECTION. DETAILS OF SUCH DEVICES TO BE SHOWN ON THE SHOP DRAWINGS.
14. BOLTS WITH DIAMETERS EXCEEDING BY UP TO 1/4 INCH THE DIAMETER OF THE BOLTS SHOWN ON THE PLANS MAY BE USED, PROVIDED THAT THE REQUIRED CLEARANCES AND EDGE DISTANCE ARE NOT REDUCED BELOW THAT REQUIRED FOR THE LARGER BOLT.
15. FABRICATE ALL SIGN STRUCTURES TO THE LARGEST PRACTICAL SECTIONS PRIOR TO GALVANIZING. SPLICE LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AND THE CONTRACTOR SHALL NOT COMMENCE FABRICATION UNTIL SUCH SPLICE LOCATIONS ARE APPROVED.
16. ALL TYPE 'C' SIGN STRUCTURES TO HAVE A REMOVABLE CAP ON THE END OF THE HORIZONTAL MEMBER OF THE STRUCTURE.
17. WELDING OF STEEL TO CONFORM TO THE REQUIREMENTS OF AWS D1.1(LATEST REVISION). GRIND ALL AREAS TO BE WELDED TO BRIGHT METAL. COMPLETE ALL WELDING AND REQUIRED NON -DESTRUCTIVE TESTING BEFORE MATERIAL IS GALVANIZED. TEST ALL CIRCUMFERENTIAL WELDS NON- DESTRUCTIVELY USING THE ENHANCED MAGNETIC PARTICLE METHOD IN ACCORDANCE WITH ODOT STANDARD SPECIFICATION 720.03B. MAXIMUM WELD UNDERCUT SHALL BE 0.01".
18. ALL TUBE-TO-TRANSVERSE PLATE COMPLETE JOINT PENETRATION (CJP) GROOVE WELDS SHALL BE ULTRASONICALLY TESTED (UT) FOR CRACKS BEFORE AND AFTER GALVANIZATION.
19. WELD FILLER MATERIAL SHALL MEET ALL CHARPY V-NOTCH REQUIREMENTS SPECIFIED IN AWS D1.1 AT A TEMPERATURE OF 40°F.
20. ALL BASE METAL SHALL BE PREHEATED IN ACCORDANCE WITH AWS D1.1 PRIOR TO WELDING.
21. BACKING RING SHALL BE THOROUGHLY FUSED WITH THE WELD MATERIAL.
22. SMAW ELECTRODES SHALL BE THE LOW-HYDROGEN CLASSIFICATION AS DEFINED BY AWS D1.1.
23. STORAGE, HANDLING, AND USE OF LOW-HYDROGEN ELECTRODES SHALL BE IN CONFORMANCE WITH AWS D1.1.
24. THERE SHALL BE NO POST WELD HEAT TREATMENT OF THE TUBE-TO-TRANSVERSE PLATE CONNECTION.
25. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO ODOT BRIDGE DIVISION. A WELDING PROCEDURE SPECIFICATION (WPS) SHALL BE ATTACHED TO THE SHOP DRAWINGS.
26. BACKING RING MATERIAL SHALL BE IN ACCORDANCE WITH AWS D1.1.

GENERAL INSTALLATION PROCEDURES

ENSURE THAT ALL ANCHOR BOLTS, BASE PLATES, AND FLANGE PLATES ARE PROPERLY ALIGNED TO PREVENT UNACCEPTABLE DISTORTION OF THE STRUCTURE UPON FINAL INSTALLATION. IN THE EVENT THAT THE DRILLED SHAFT AND ANCHOR BOLTS ARE INSTALLED PRIOR TO THE FABRICATION OF THE MONOTUBE STRUCTURE, THE MONOTUBE FABRICATOR SHOULD COORDINATE WITH THE DRILLED SHAFT CONTRACTOR TO ENSURE THAT THE BASE PLATES AND FLANGES ARE FABRICATED SO THAT PROPER ALIGNMENT OF ALL BOLT HOLES IS ACHIEVED. IN THE EVENT THAT THE MONOTUBE SIGN STRUCTURE IS FABRICATED PRIOR TO THE INSTALLATION OF THE DRILLED SHAFT AND ANCHOR BOLTS, THE DRILLED SHAFT CONTRACTOR SHOULD COORDINATE WITH THE SIGN STRUCTURE FABRICATOR TO ENSURE THAT THE ANCHOR BOLT INSTALLATION ALLOWS FOR PROPER ALIGNMENT OF ALL BOLTED CONNECTIONS. CONSTRUCTION TOLERANCES SET FORTH IN THE 2009 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SHALL APPLY.

ERECT MONOTUBE SIGN STRUCTURE IN A MANNER APPROVED BY THE RESIDENT ENGINEER. SUPPORT ALL COMPONENTS OF THE STRUCTURE UNTIL FINAL TENSIONING OF ALL BOLTS AND FASTENERS IS COMPLETE.

INSTALLATION OF ALL FASTENERS AND BOLTS USING DIRECT TENSION INDICATORS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. ENSURE THAT THE MONOTUBE SIGN STRUCTURE IS PROPERLY ATTACHED TO THE ANCHOR BOLTS AND THAT ALL LEVELING NUTS ARE FLUSH WITH THE BOTTOM OF THE BASE PLATE. ENSURE THAT ALL FLANGES HAVE BEEN SECURELY FASTENED.

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
852(D)	OVHD.SN.STR., MONOTUBE TYPE B	EA
852(E)	OVHD.SN.STR., MONOTUBE TYPE C	EA

PREPARED BY:
OKLAHOMA DEPARTMENT OF TRANSPORTATION
BRIDGE DESIGN DIVISION
05/27/2022
DATE
JASON D. GIEBLER
OKLA. REG. NO. 24272
Signing for Monotube Sheets: M1-M7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LICENSED PROFESSIONAL ENGINEER JASON D. GIEBLER 24272 OKLAHOMA

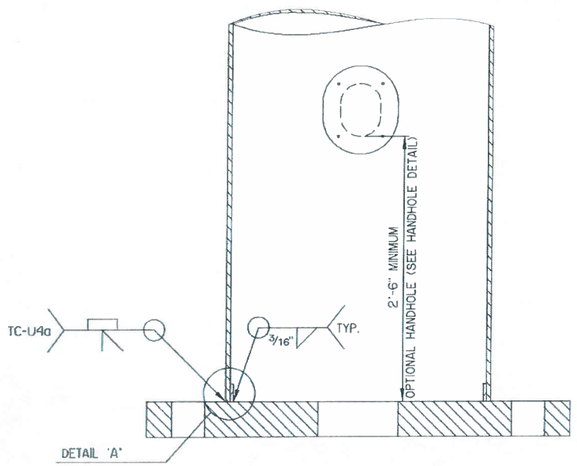
MONOTUBE STRUCTURE
(TYPE 'B' & TYPE 'C')

Design	JG	JW
Detail	JG	JW
Check	JG	JW
Squad SUPERVISOR		
Eng. ENGINEER		

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PECE NO. 09032(06)
SHEET NO. T037

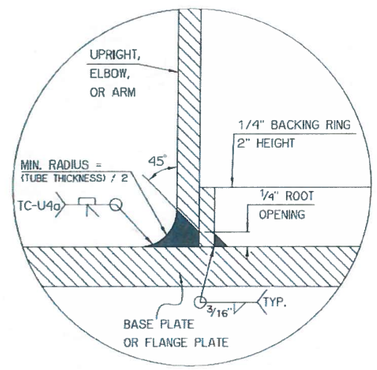
Preliminary Plans

REV. NO.	DESCRIPTION	DATE
	REVISIONS	

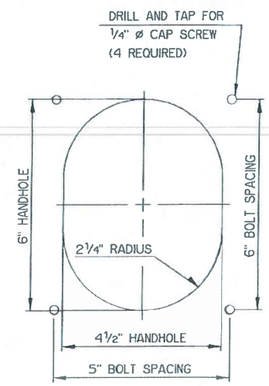


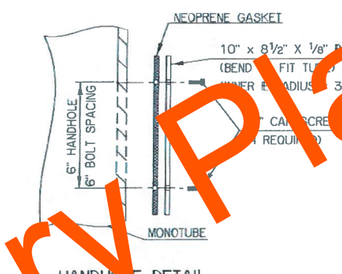
TUBE-TO-TRANSVERSE-PLATE DETAIL (TYPICAL)

(DETAIL TYPICAL FOR BASE AND FLANGE PLATES)



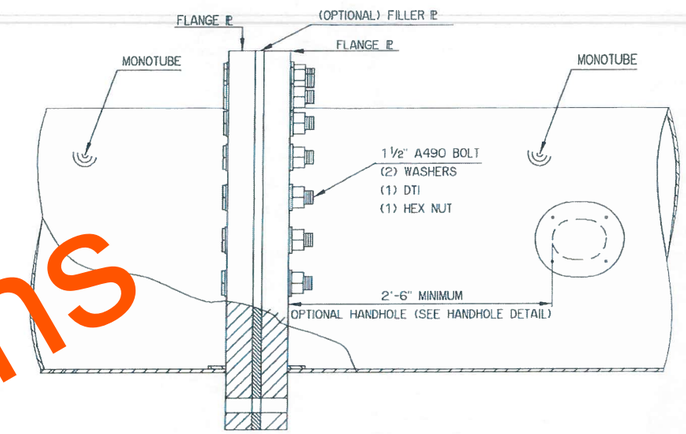
DETAIL 'A'





HANDHOLE DETAIL

(OPTIONAL)



TYPICAL FLANGE CONNECTION DETAIL

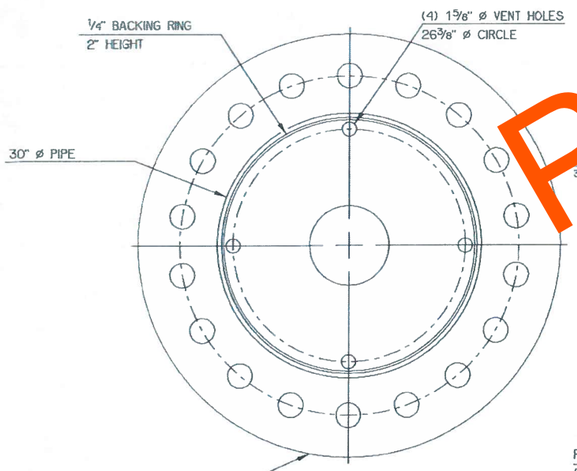
NOTE: OPTIONAL HANDHOLES FOR TYPE 'B' STRUCTURES SHOULD BE POSITIONED ON THE ROADWAY FACE OF THE TUBE.

OPTIONAL FILLER PLATE NOTE:

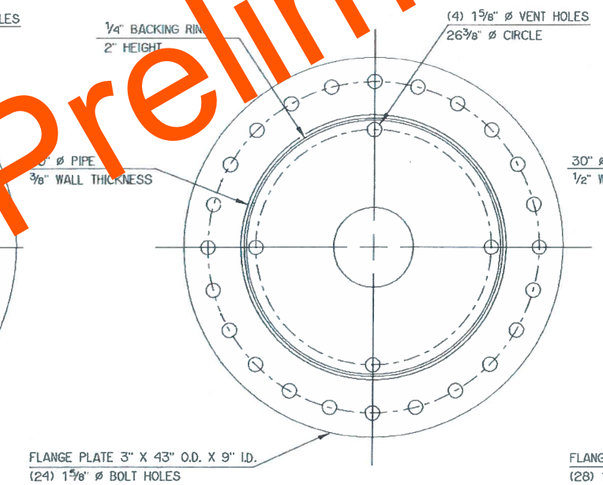
DURING ASSEMBLY OF THE FLANGE CONNECTIONS, THE TWO ADJOINING MEMBERS SHALL NOT BE PULLED TOGETHER AND TIGHTENED IF A GAP OF OVER 1/8" EXISTS. IF A GAP EXCEEDING THIS TOLERANCE IS ENCOUTERED, THE CONTRACTOR IS PERMITTED TO USE A FILLER PLATE AT A HORIZONTAL MEMBER FLANGE CONNECTION. THE MAXIMUM THICKNESS OF A FILLER PLATE AT ANY SINGLE FLANGE CONNECTION IS 1". IF MORE THAN 1", BUT LESS THAN OR EQUAL TO 6", IS REQUIRED FOR ASSEMBLY THE REQUIRED DIMENSION SHALL BE SEPERATED INTO TWO DIFFERENT FLANGE CONNCETIONS AND THE TWO FLANGE CONNECTIONS SHALL BE LOCATED SYMMETRICALLY ALONG THE TYPE B MONOTUBE STRUCTURE. ADDITION OF FILLER PLATES SHALL BE AT THE COST OF THE CONTRACTOR.

MONOTUBE SCHEDULE

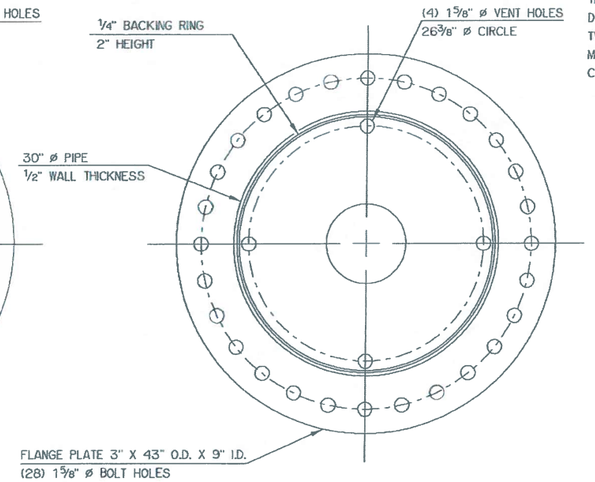
SPAN	TUBE DIAMETER (ALL TUBES)	TUBE THICKNESS (ALL TUBES)	BASE PL	FLANGE PL
70FT - 90FT	30"	3/8"	TYPICAL	A
95FT - 150FT	30"	1/2"	TYPICAL	B



BASE PLATE



FLANGE PLATE 'A'



FLANGE PLATE 'B'

Preliminary Plans

MONOTUBE STRUCTURE
(TYPE 'B' DETAIL)

Design	JG	JW
Detail	JG	JW
Check	JG	JW

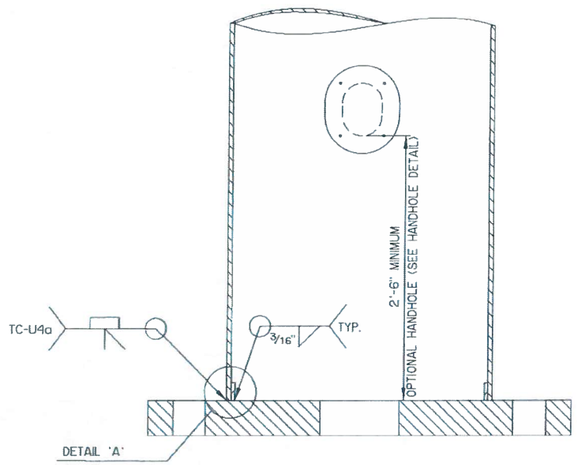
Squad: SUPERVISOR
Engr. ENGINEER

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 09032(06)

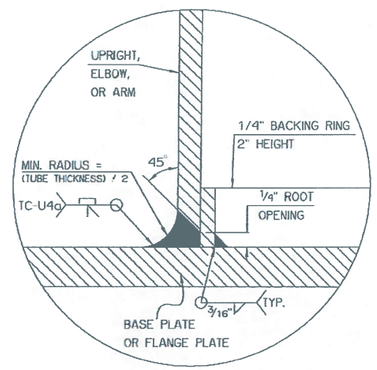
SHEET NO. T038

REV. NO.	DESCRIPTION	REVISIONS	DATE



TUBE-TO-TRANSVERSE-PLATE DETAIL (TYPICAL)

(DETAIL TYPICAL FOR BASE AND FLANGE PLATES)



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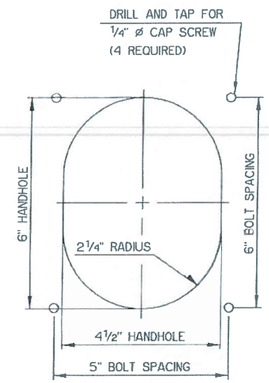
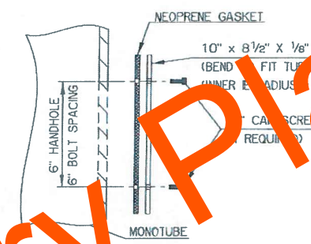
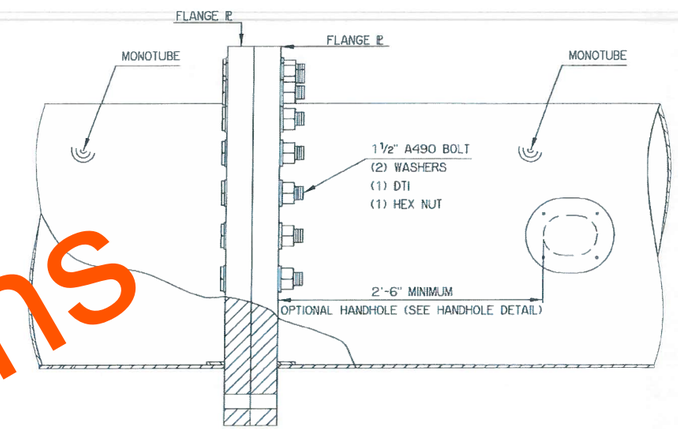




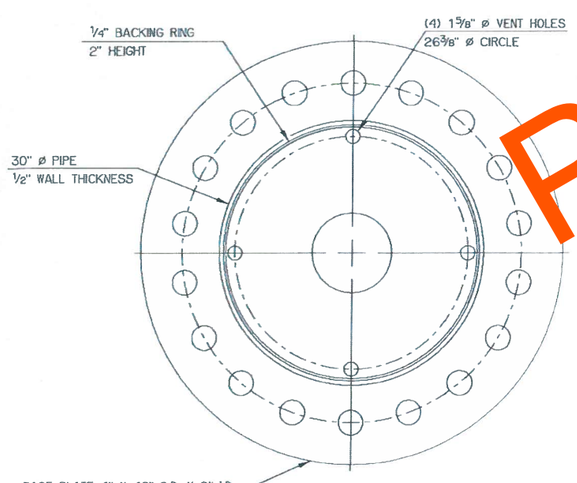
HANDHOLE DETAIL

(OPTIONAL)

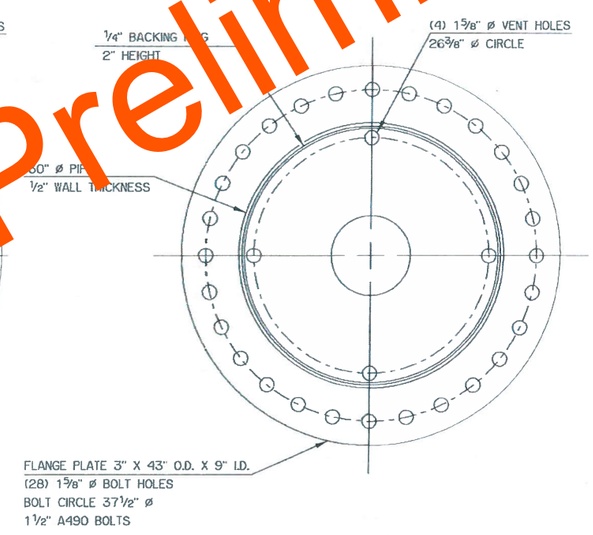


TYPICAL FLANGE CONNECTION DETAIL

NOTE: OPTIONAL HANDHOLES FOR TYPE 'C' STRUCTURES SHOULD BE POSITIONED ON THE DOWN TRAFFIC FACE OF THE TUBE.



BASE PLATE



FLANGE PLATE

Preliminary Plans

MONOTUBE STRUCTURE
(TYPE 'C' DETAILS)

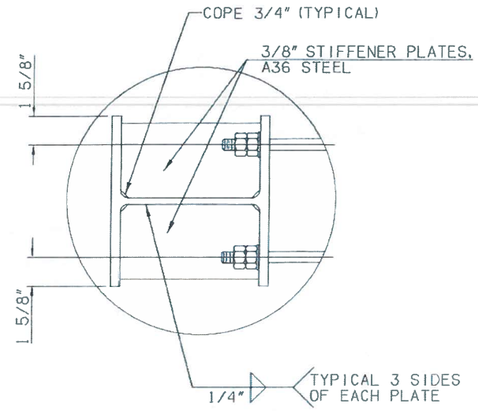
Design	JG	JW
Detail	JG	JW
Check	JG	JW
Squad: SUPERVISOR		
Engr. ENGINEER		

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION

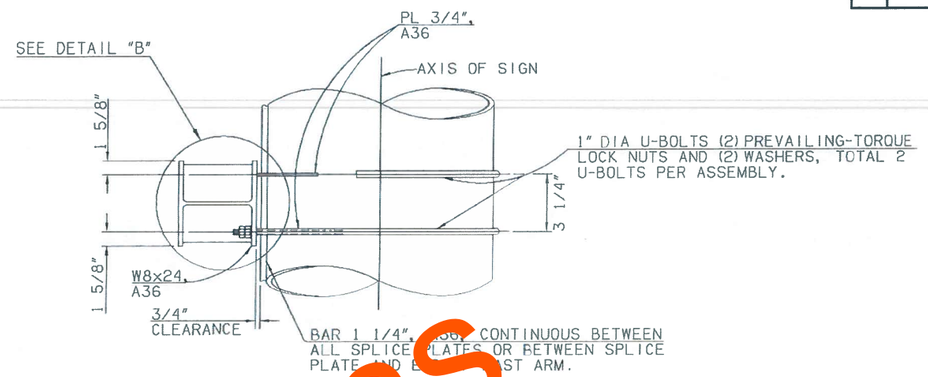
JOB PIECE NO. 09032(06) | SHEET NO. T039

REV. NO.	DESCRIPTION	DATE

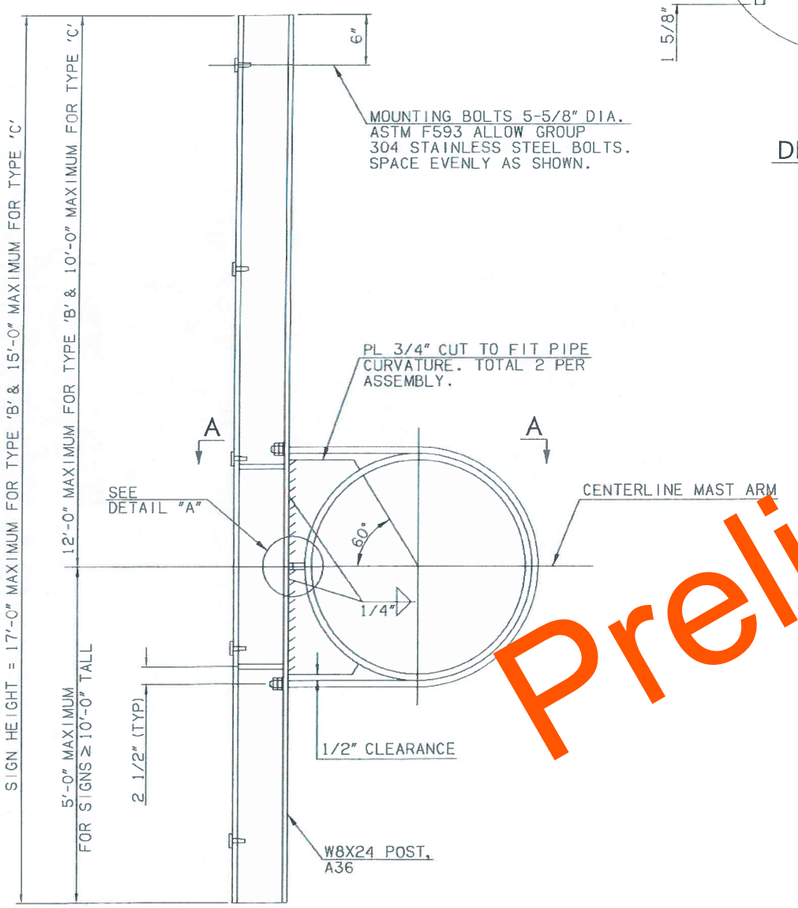
REVISIONS



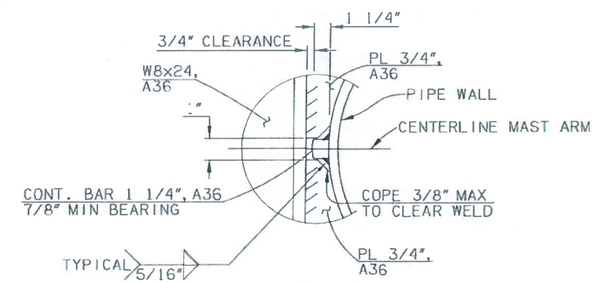
DETAIL 'B'



VIEW A-A



SIGN MOUNTING BRACKET



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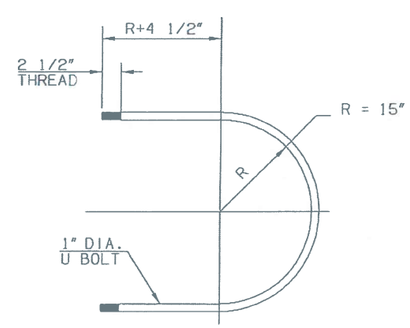


U BOLT DETAIL

GENERAL NOTES

1. ALL U-BOLTS SHALL CONFORM TO THE MATERIAL SPECIFICATIONS OF ASTM A193-B7, AND THREADS SHALL CONFORM TO ASTM A325 SECTION 7.2. ALL U-BOLT NUTS SHALL BE PREVAILING- TORQUE LOCK NUTS AND SHALL CONFORM TO THE SPECIFICATION OF ASTM A194-2H. ALL WASHERS SHALL CONFORM TO THE SPECIFICATIONS OD ASTM F436.

Preliminary Plans

MONOTUBE STRUCTURE
(OVERHEAD SIGN BRACKET DETAIL)

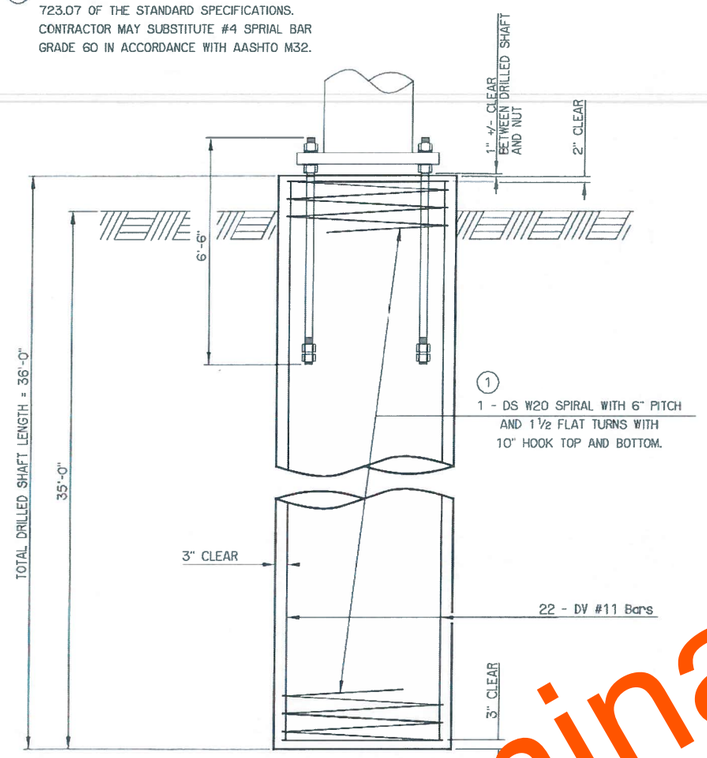
Design	JG	JW
Detail	JG	JW
Check	JG	JW

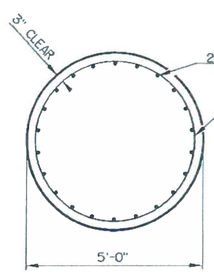
Squad SUPERVISOR
Engr. ENGINEER

STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 09032(06)
SHEET NO. T040

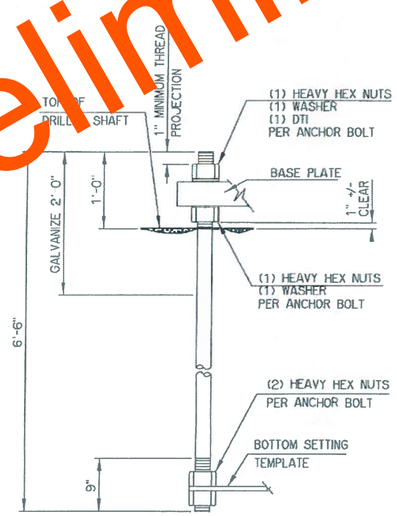
REV. NO.	DESCRIPTION	REVISIONS	DATE

(1) USE W20 SPIRAL IN ACCORDANCE WITH 723.07 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY SUBSTITUTE #4 SPRIAL BAR GRADE 60 IN ACCORDANCE WITH AASHTO M32.





TYPICAL SECTION THRU
60" DRILLED SHAFT



2½" ø ANCHOR BOLT DETAIL
(F1554 GR. 55)

DRILLED SHAFT NOTES:

MATERIAL PROPERTIES
CLASS 'AA' CONCRETE = 4,000 PSI
REINFORCING STEEL = 60,000 PSI

THE DRILLED SHAFT FOR THE MONOTUBE SIGN STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING PROPERTIES:

-- COHESIVE SOIL
UNIT WEIGHT = [illegible] PCF
COHESION = 1000 PSF
-- GRANULAR SOIL
UNIT WEIGHT = 120 PCF
INTERNAL FRICTION ANGLE = 28 DEGREES

IF SITE CONDITIONS ARE ENCOUNTERED THAT DIFFER FROM THOSE SPECIFIED ABOVE, THE ENGINEER SHALL BE CONTACTED. SUCH CONDITIONS ARE, BUT NOT LIMITED TO, AS FOLLOWS:

-- SOIL HAS HIGH ORGANIC CONTENT OR CONSISTS OF SATURATED SILT AND CLAY.
-- THE SITE WON'T SUPPORT THE WEIGHT OF THE DRILLING RIG.
-- ROCK IS ENCOUNTERED.

DRILLED SHAFTS SHALL BE CONSTRUCTED ACCORDING TO THE OKLAHOMA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND ASSOCIATED SPECIAL PROVISIONS. THE USE OF THE "DOUBLE CASING METHOD" IS NOT ALLOWED FOR THIS DESIGN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THAT THE LOCATION AND ELEVATION OF THE DRILLED SHAFT ARE AS REQUIRED IN THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE MONOTUBE SUPPLIER TO ENSURE THAT THE ORIENTATION OF THE ANCHOR BOLTS IN THE DRILLED SHAFT ALLOW FOR PROPER ALIGNMENT OF ALL BASE PLATES AND FLANGES UPON FINAL INSTALLATION.

NOTE: FOR ADDITIONAL DRILLED SHAFT DETAILS, SEE "MONOTUBE STRUCTURE (DRILLED SHAFT DETAILS) (SHEET 3 OF 3)".
FOR DRILLED SHAFT DETAILS IN THE MEDIAN, SEE "MONOTUBE STRUCTURE (DRILLED SHAFT DETAILS) (SHEET 2 OF 3)".

DRILLED SHAFT BAR LIST
(INCLUDED IN CONTRACT UNIT PRICE OF DRILLED SHAFT)

MARK	SIZE	NO.	FORM	LENGTH
PLAIN REINFORCING BARS				
DS	W20	1	BNT	1,052'-9"
DV	#11	22	STR	35'-7"

BASIS OF PAYMENT

	ITEM NO.	DESCRIPTION	UNIT
(2)	516(A)	DRILLED SHAFTS 60" DIAMETER	L.F.

(2) ALL COSTS OF CONCRETE AND REINFORCING IN DRILLED SHAFTS SHALL BE INCLUDED IN THE PRICE BID FOR "DRILLED SHAFTS 60" DIAMETER".

MONOTUBE STRUCTURE
(DRILLED SHAFT DETAILS)
(SHEET 1 OF 3)

Design	JG	JW
Detail	JG	JW
Check	JG	JW

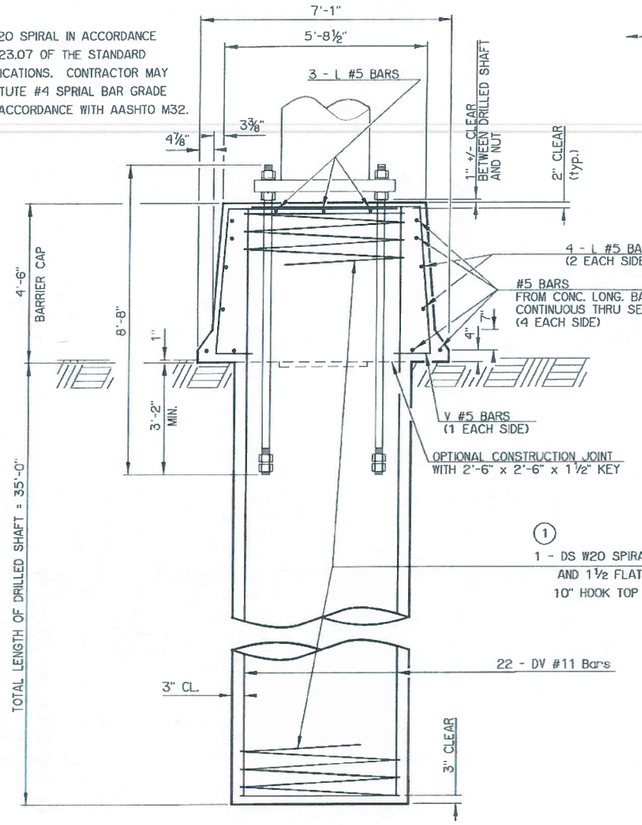
Supvr. SUPERVISOR
Engr. ENGINEER

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 09032(06) | SHEET NO. T041

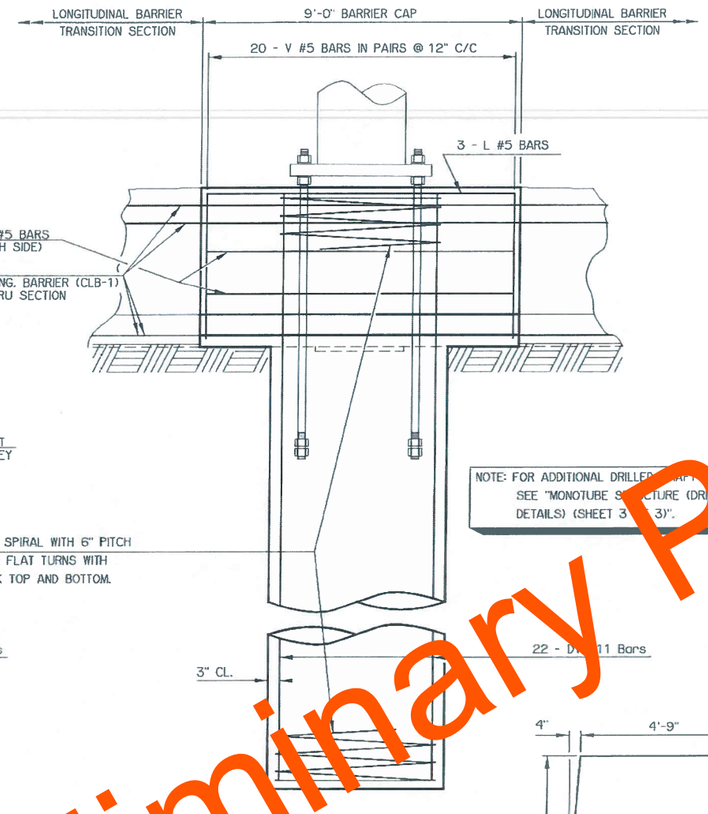
Preliminary Plans

REV. NO.	DESCRIPTION	DATE
	REVISIONS	

(1) USE W20 SPIRAL IN ACCORDANCE WITH 723.07 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY SUBSTITUTE #4 SPRIAL BAR GRADE 60 IN ACCORDANCE WITH AASHTO M32.

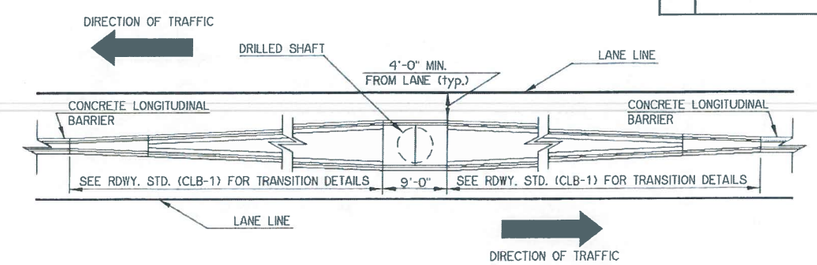


CROSS SECTION
(PARALLEL TO TRAFFIC)

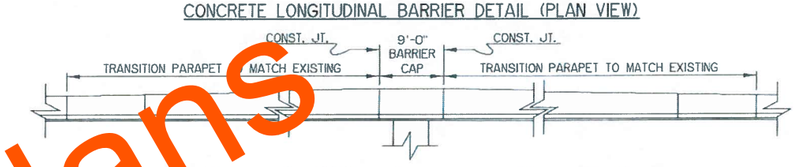


CROSS SECTION
(PERPENDICULAR TO TRAFFIC)

NOTE: FOR ADDITIONAL DRILLED SHAFT DETAILS SEE "MONOTUBE STRUCTURE (DRILLED SHAFT DETAILS) (SHEET 3 OF 3)".



CONCRETE LONGITUDINAL BARRIER DETAIL (PLAN VIEW)



CONCRETE LONGITUDINAL BARRIER DETAIL (ELEVATION VIEW)

NOTE: CONCRETE LONGITUDINAL BARRIER SHALL BE CONSTRUCTED IN ACCORDANCE WITH ROADWAY STANDARD CLB-1 EXCEPT FOR AS SHOWN HERE.

DRILLED SHAFT NOTES:

MATERIAL PROPERTIES
- CLASS 'AA' CONCRETE = 4,000 PSI
- REINFORCING STEEL = 60,000 PSI

THE DRILLED SHAFT FOR THE MONOTUBE SIGN STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING PROPERTIES:

-- COHESIVE SOIL
- UNIT WEIGHT = 120 PCF
- COHESION = 1000 PSF

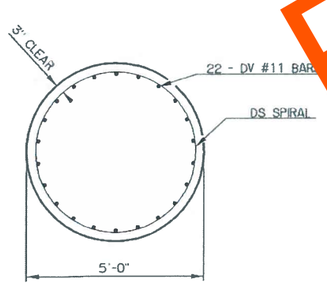
-- GRANULAR SOIL
- UNIT WEIGHT = 120 PCF
- INTERNAL FRICTION ANGLE = 28 DEGREES

IF SITE CONDITIONS ARE ENCOUNTERED THAT DIFFER FROM THOSE SPECIFIED ABOVE, THE ENGINEER SHALL BE CONTACTED. SUCH CONDITIONS ARE, BUT NOT LIMITED TO, AS FOLLOWS:

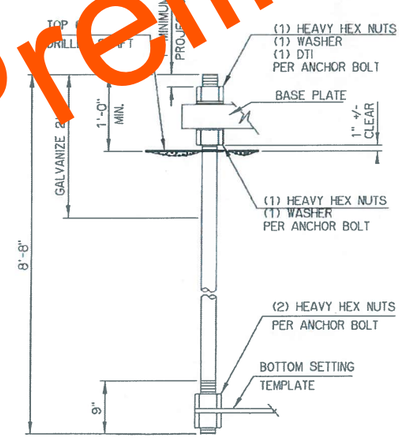
-- SOIL HAS HIGH ORGANIC CONTENT OR CONSISTS OF SATURATED SILT AND CLAY.
-- THE SITE WON'T SUPPORT THE WEIGHT OF THE DRILLING RIG.
-- ROCK IS ENCOUNTERED.

DRILLED SHAFTS SHALL BE CONSTRUCTED ACCORDING TO THE OKLAHOMA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND ASSOCIATED SPECIAL PROVISIONS. THE USE OF THE "DOUBLE CASING METHOD" IS NOT ALLOWED FOR THIS DESIGN.

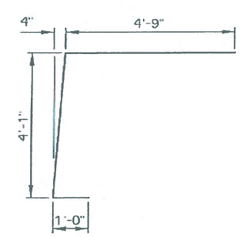
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THAT THE LOCATION AND ELEVATION OF THE DRILLED SHAFT ARE AS REQUIRED IN THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE MONOTUBE SUPPLIER TO ENSURE THAT THE ORIENTATION OF THE ANCHOR BOLTS IN THE DRILLED SHAFT ALLOW FOR PROPER ALIGNMENT OF ALL BASE PLATES AND FLANGES UPON FINAL INSTALLATION.



TYPICAL SECTION THRU
60" DRILLED SHAFT



2½" ø ANCHOR BOLT DETAIL
(F1554 GR. 55)



V #5 BAR X 9'-11"

BARRIER CAP QUANTITIES
(INCLUDED IN CONTRACT UNIT PRICE OF DRILLED SHAFT)

ITEM	UNIT	QTY.
CLASS AA CONCRETE	CY	12.50
REINFORCING STEEL	LB	270.00

BARRIER CAP BAR LIST
(INCLUDED IN CONTRACT UNIT PRICE OF DRILLED SHAFT)

MARK	SIZE	NO.	FORM	LENGTH
PLAIN REINFORCING BARS				
L	#5	7	STR	8'-8"
V	#5	20	BNT	9'-11"

DRILLED SHAFT BAR LIST
(INCLUDED IN CONTRACT UNIT PRICE OF DRILLED SHAFT)

MARK	SIZE	NO.	FORM	LENGTH
PLAIN REINFORCING BARS				
DS	W20	1	BNT	1,156'-6"
DV	#11	22	STR	39'-1"

BASIS OF PAYMENT

ITEM NO.	DESCRIPTION	UNIT
(2) 516(A)	DRILLED SHAFTS 60" DIAMETER	L.F.

(2) ALL COSTS OF CONCRETE AND REINFORCING IN DRILLED SHAFTS SHALL BE INCLUDED IN THE PRICE BID FOR "DRILLED SHAFTS 60" DIAMETER". ALL COSTS OF CONCRETE AND REINFORCING IN THE BARRIER CAP SHALL BE INCLUDED IN THE PRICE BID FOR "DRILLED SHAFTS 60" DIAMETER".

MONOTUBE STRUCTURE
(DRILLED SHAFT DETAILS)
(SHEET 2 OF 3)

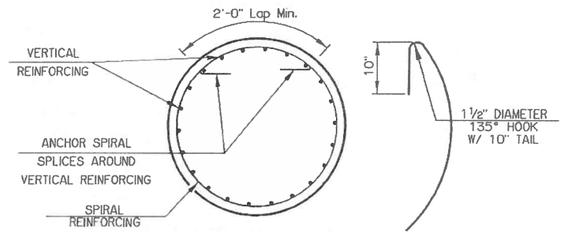
Design	JG	JW
Detail	JG	JW
Check	JG	JW

Squad SUPERVISOR
Engr. ENGINEER

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 09032(06) | SHEET NO. T042

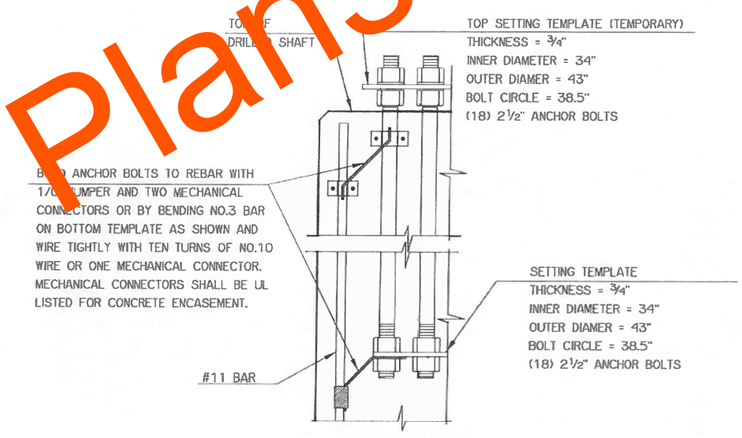
Preliminary Plans

REVISIONS		
REV. NO.	DESCRIPTION	DATE

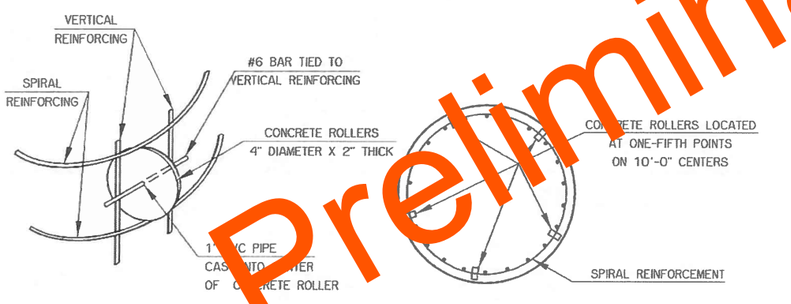


SPIRAL REINFORCING SPLICE DETAIL

NOTE: SPIRAL BAR LENGTH QUANTITY DOES NOT INCLUDE LAP. IF LAP IS REQUIRED, THE LENGTH OF THE LAP SHALL BE AS SHOWN.



ANCHOR BOLT TEMPLATE AND LIGHTING PROTECTION SYSTEM



ROLLER INSTALLATION

ROLLER PLACEMENT

DETAIL OF CONCRETE ROLLERS

NOTE: CONCRETE USED IN THE CONCRETE ROLLERS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 P.S.I. SLAB BOLSTERS, HIGH CHAIRS, AND PLASTIC ROLLERS SHALL NOT BE SUBSTITUTED FOR THE CONCRETE ROLLERS.

Preliminary Plans

MONOTUBE STRUCTURE
(DRILLED SHAFT DETAILS)
(SHEET 3 OF 3)

Design	JG	JW
Detail	JG	JW
Check	JG	JW
Squad SUPERVISOR		
Engr. ENGINEER		

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 09032(06) | SHEET NO. T043

(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

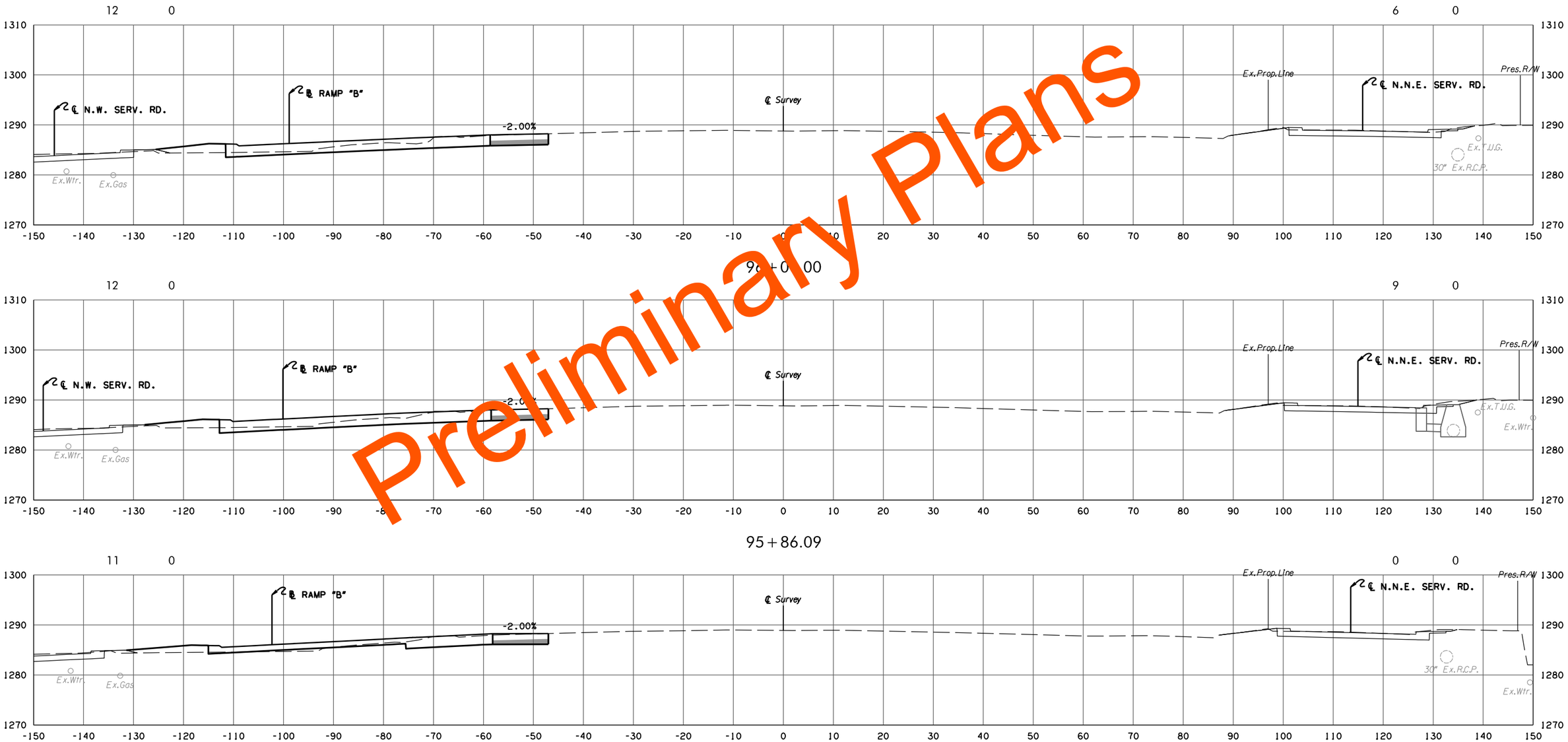
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



Preliminary Plans

95+64.51
BEGIN CONSTRUCTION

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X001

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

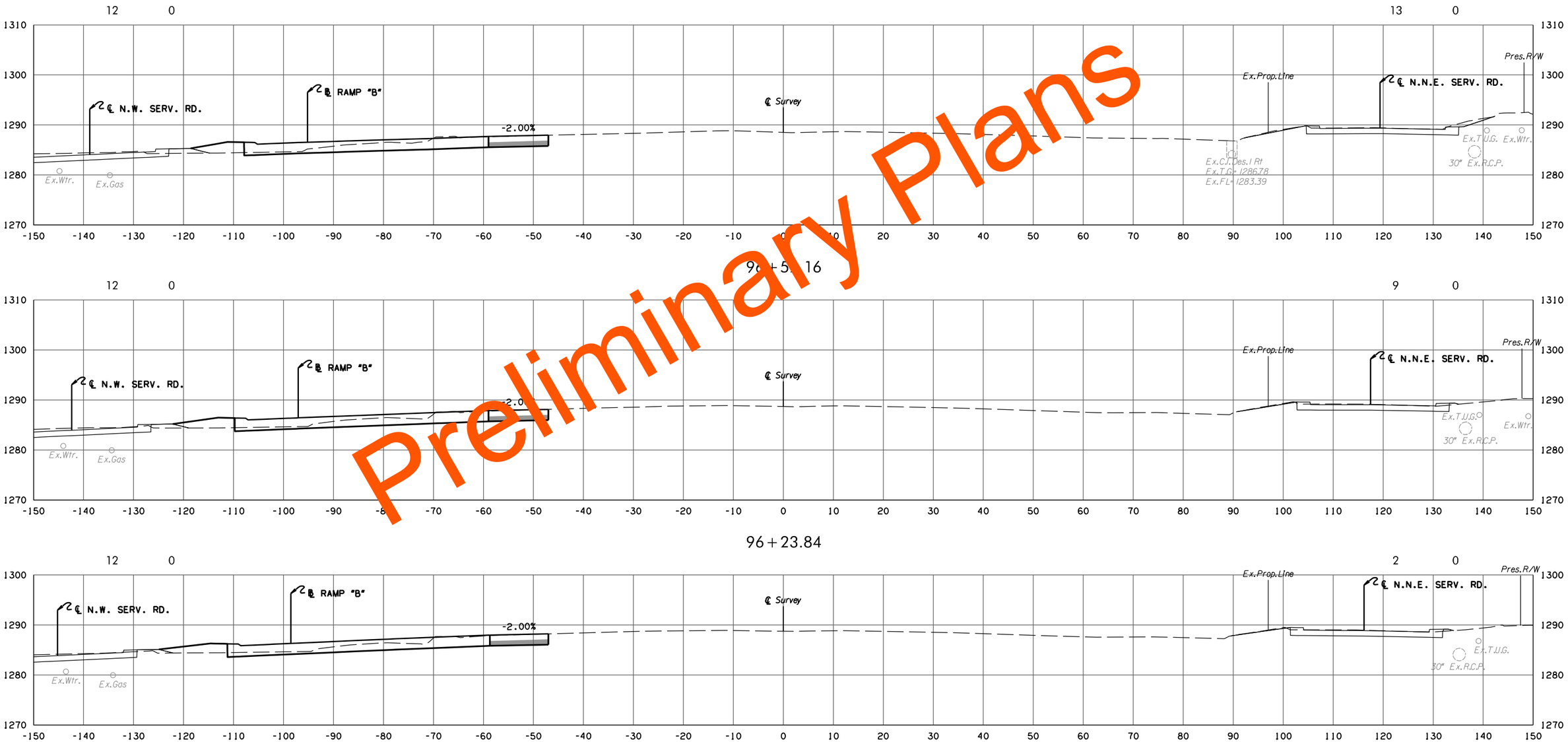
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X002

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

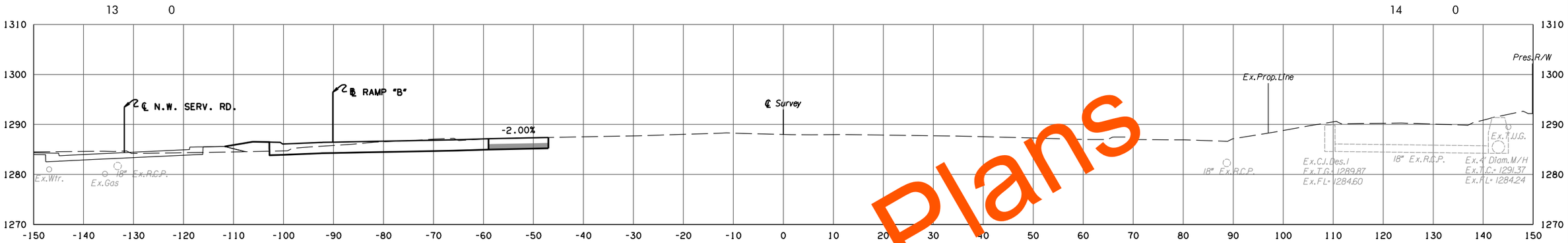
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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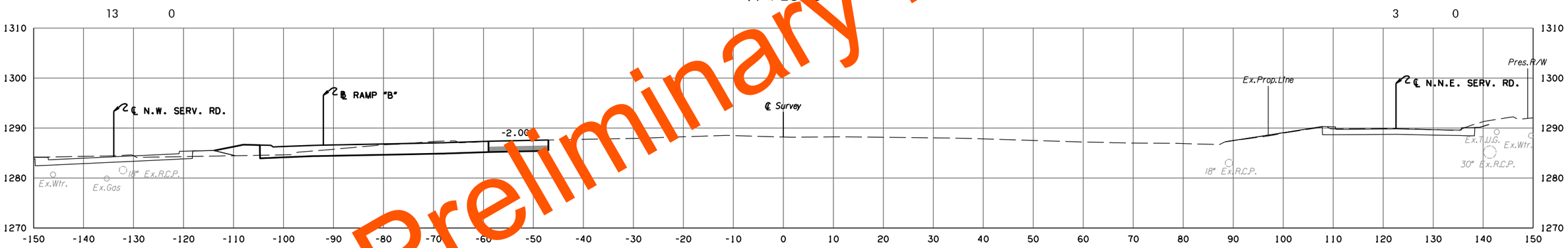
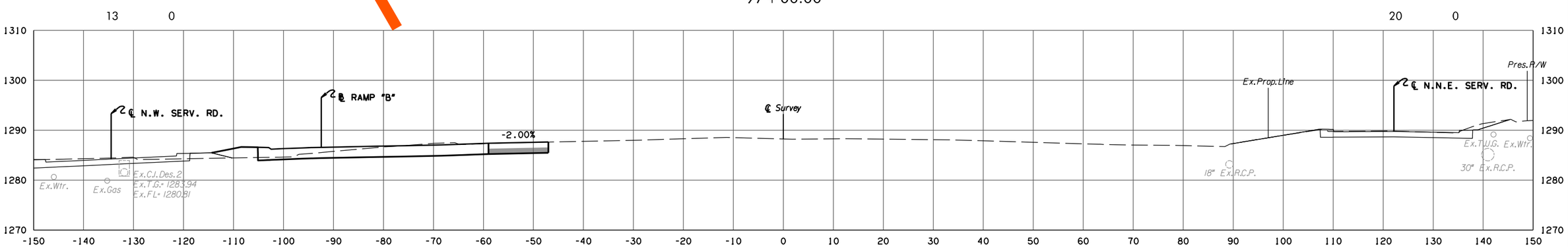


97+00.00



96+93.82

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X003

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

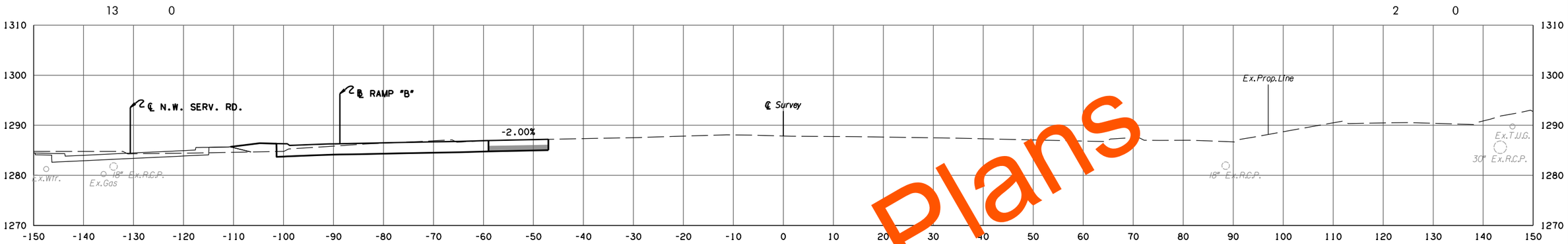
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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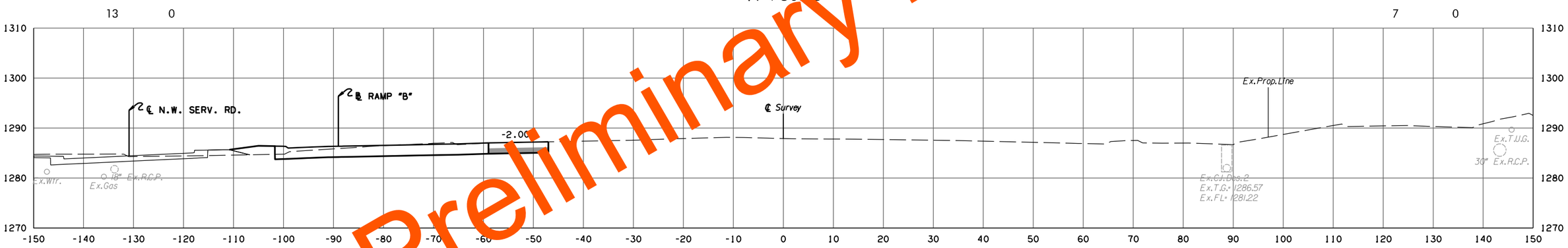

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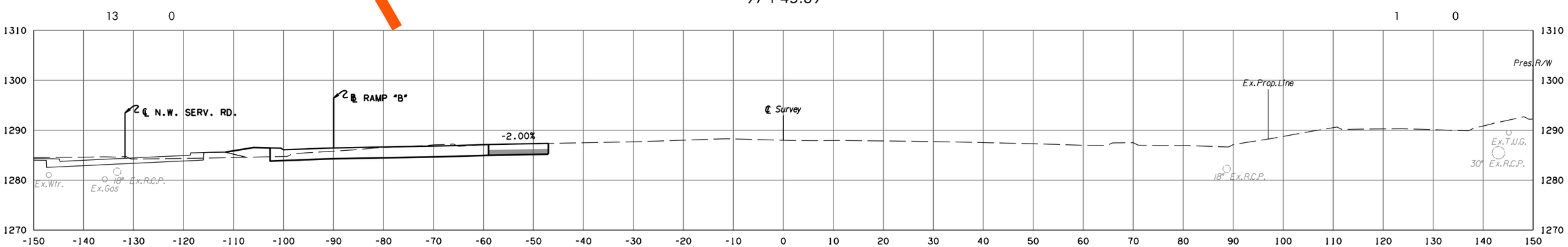

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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X004

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Preliminary Plans

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

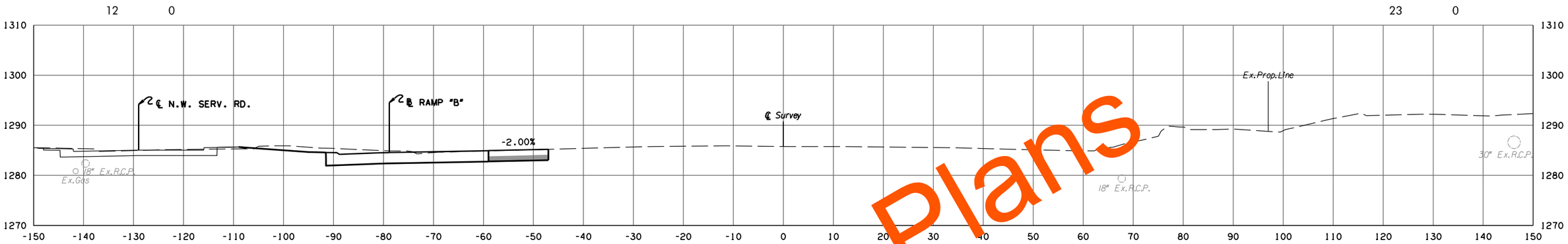
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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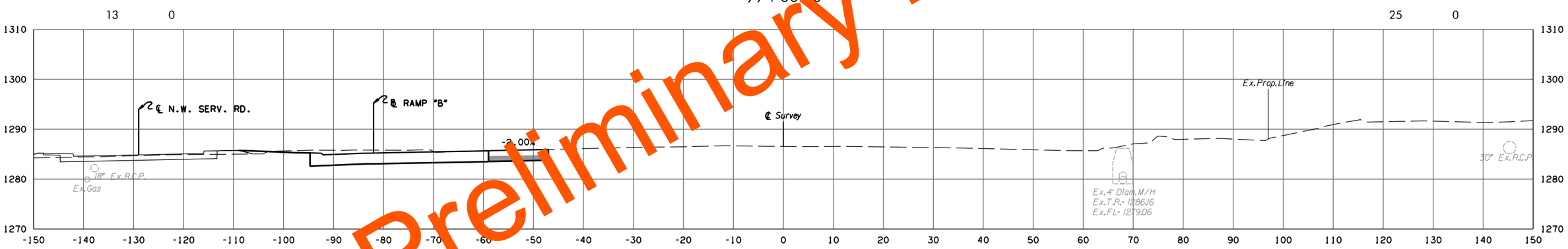

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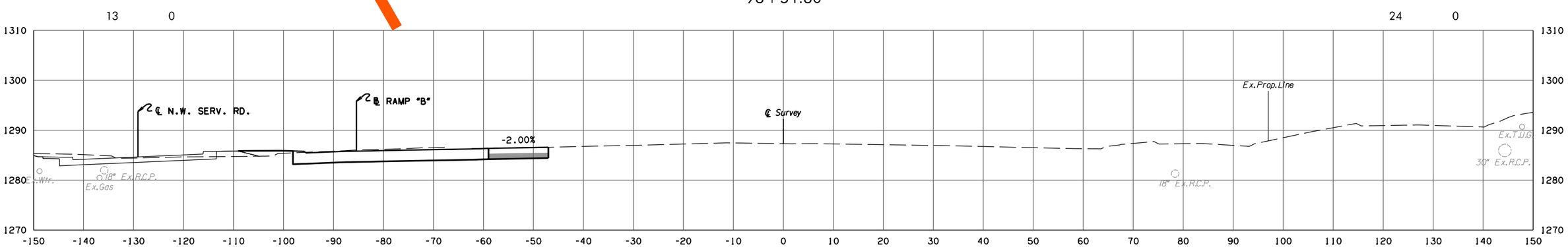

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Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X005

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FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

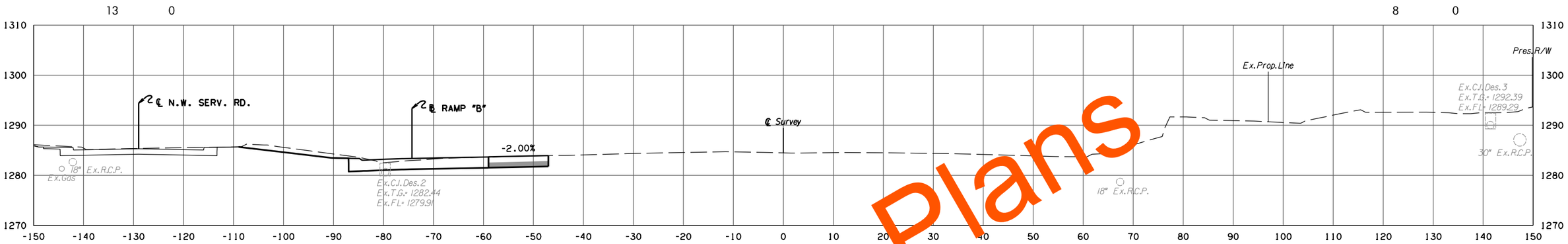
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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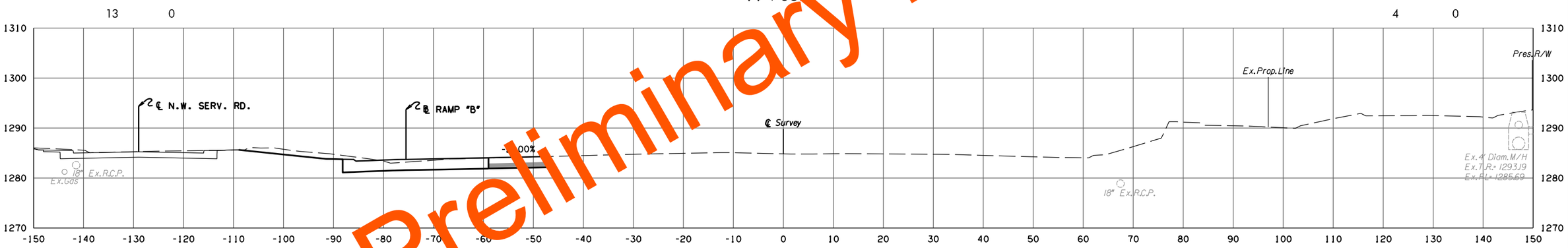

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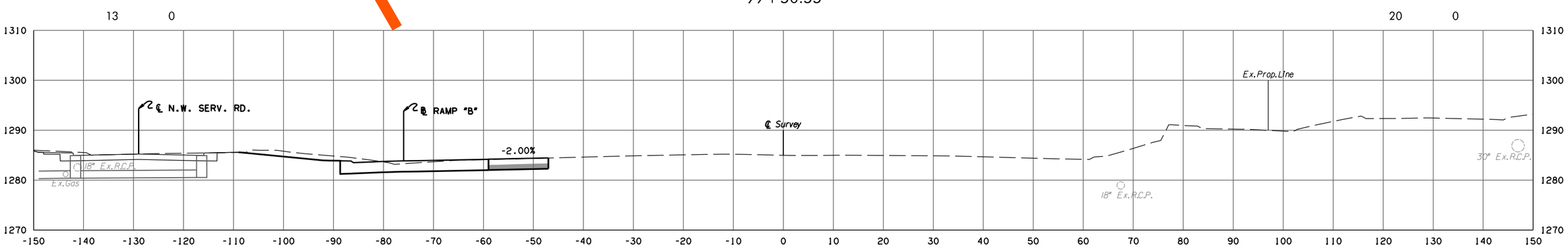

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Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X006

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

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6	OKLA.				

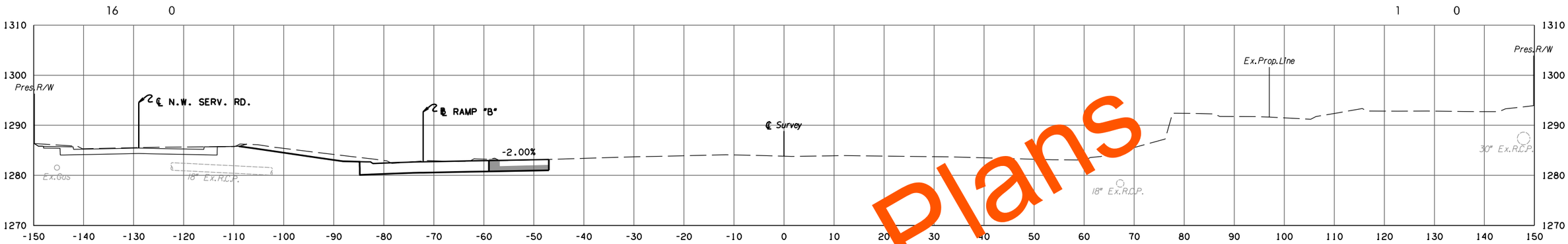
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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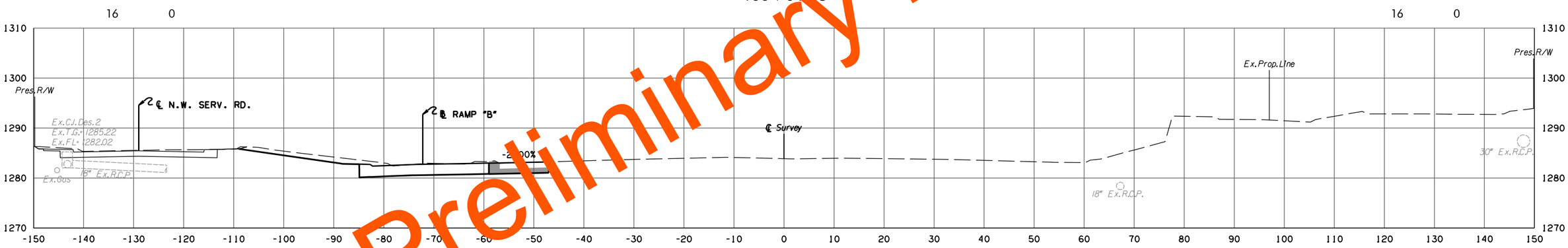

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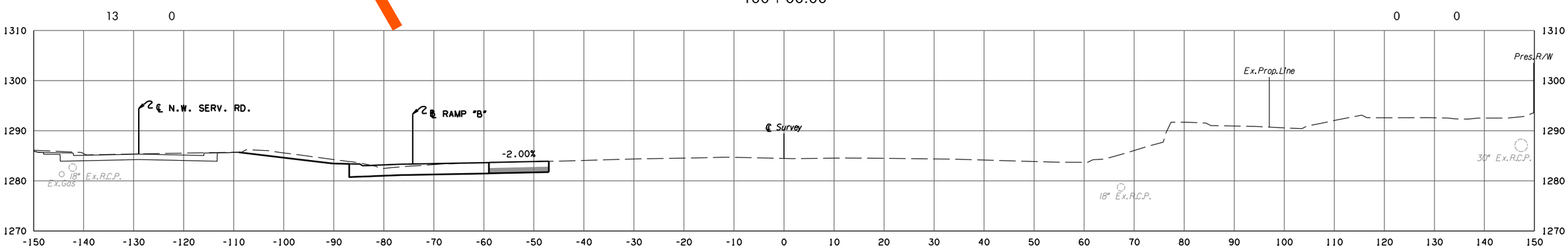

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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X007

Preliminary Plans

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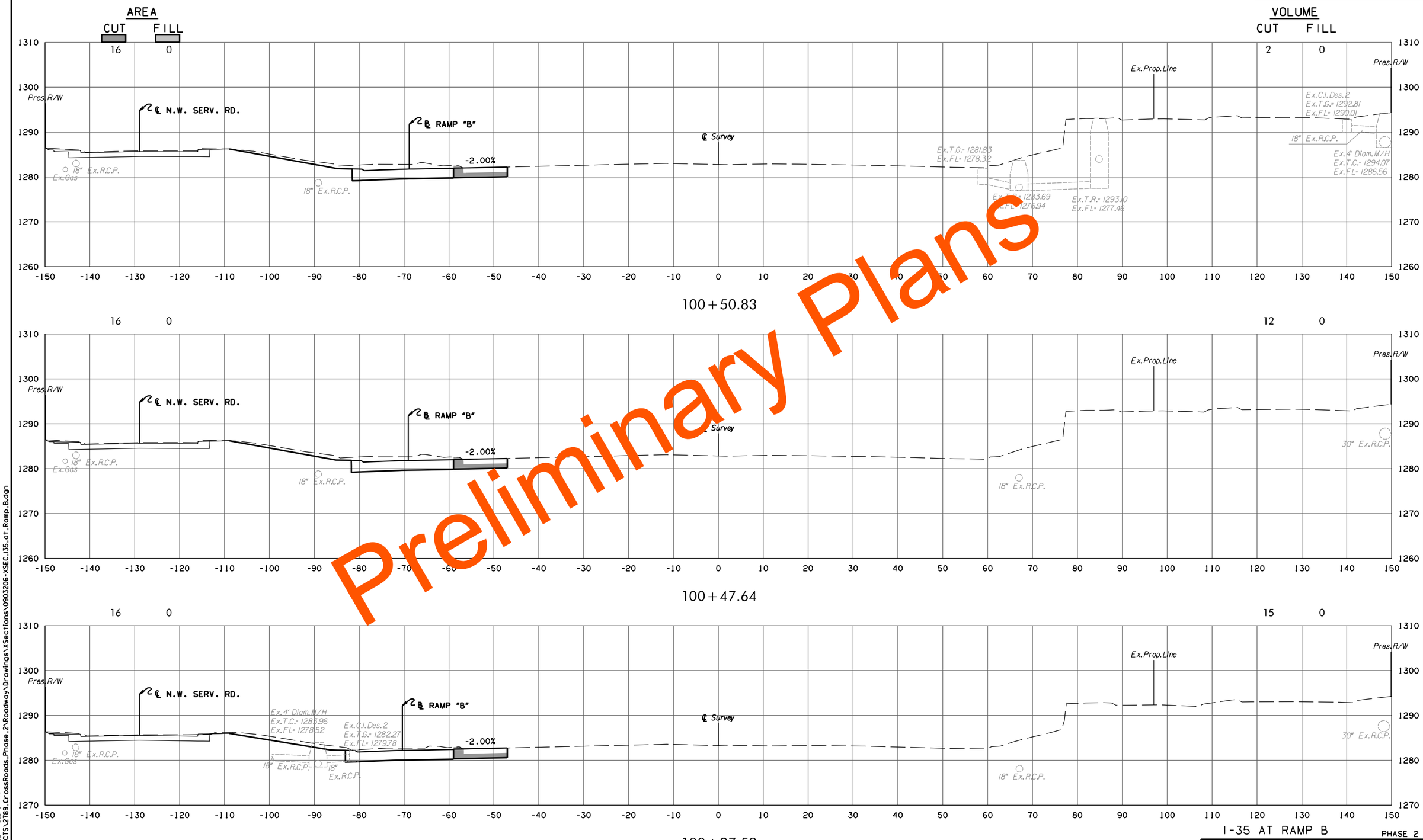
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X008

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

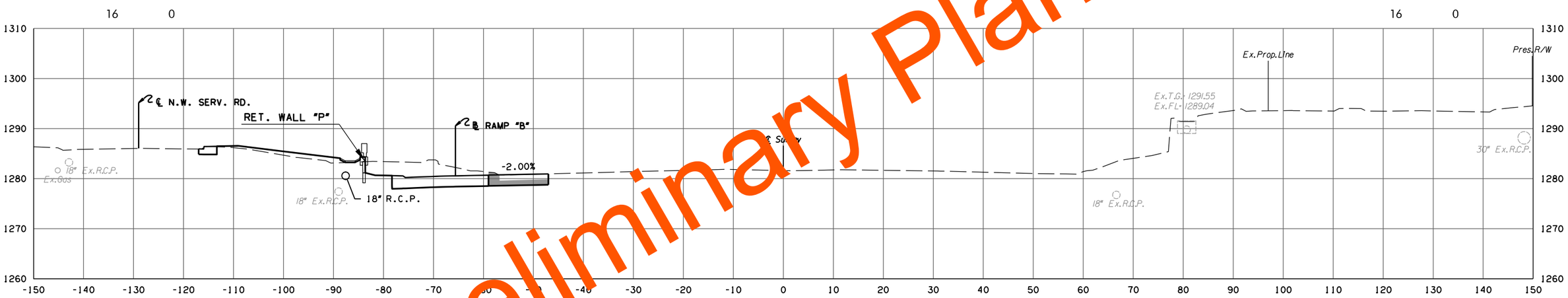
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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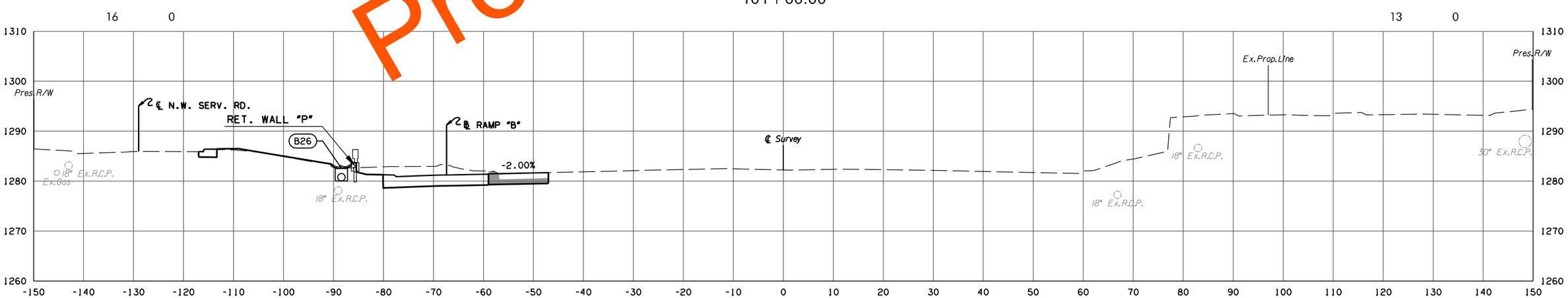

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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X009

Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

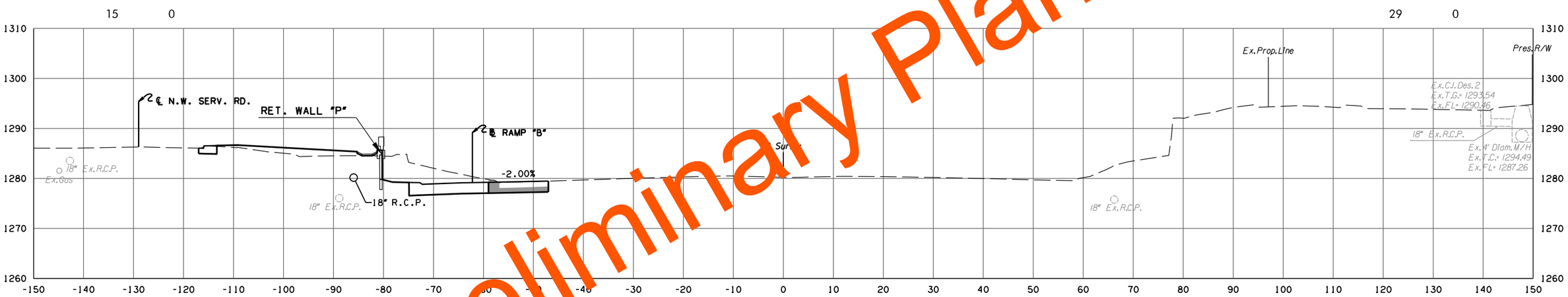
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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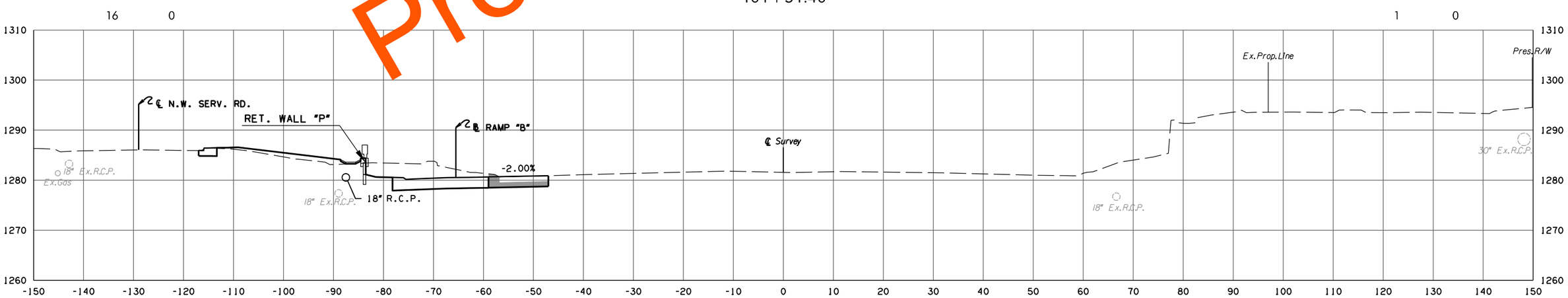

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Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X010

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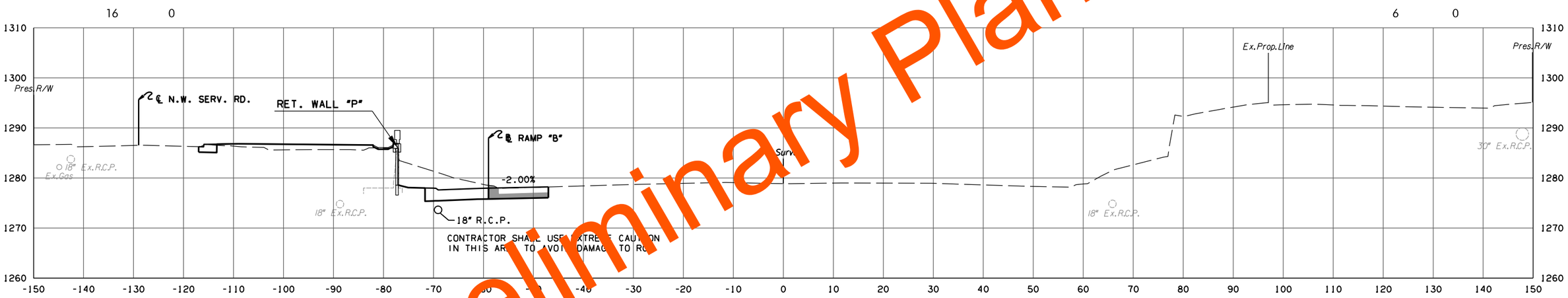
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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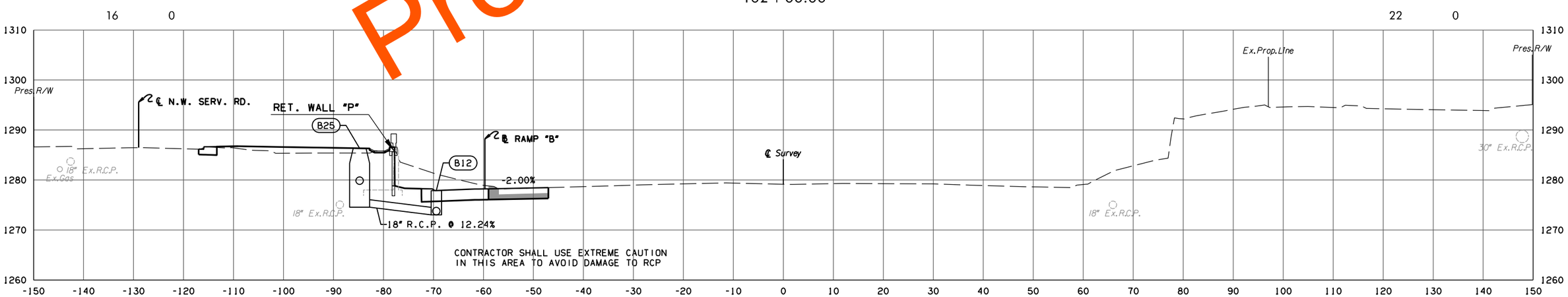

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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X011

Preliminary Plans

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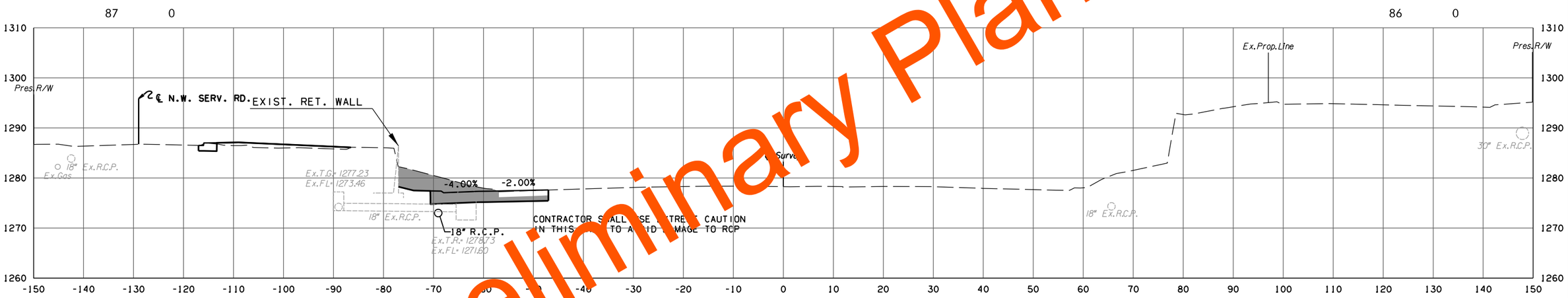
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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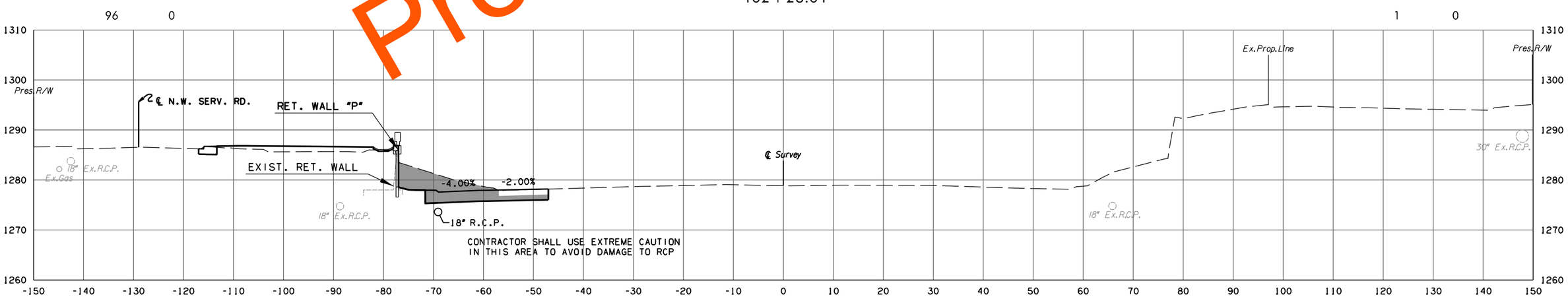

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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X012

Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

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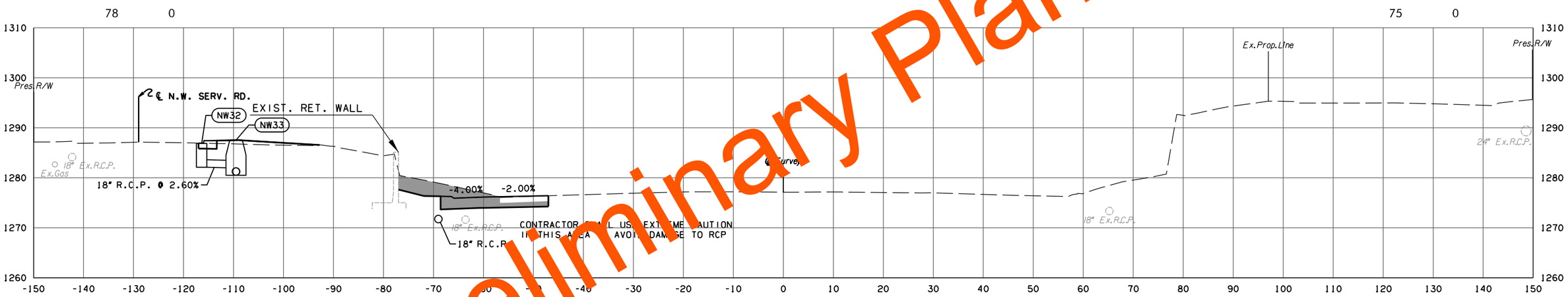
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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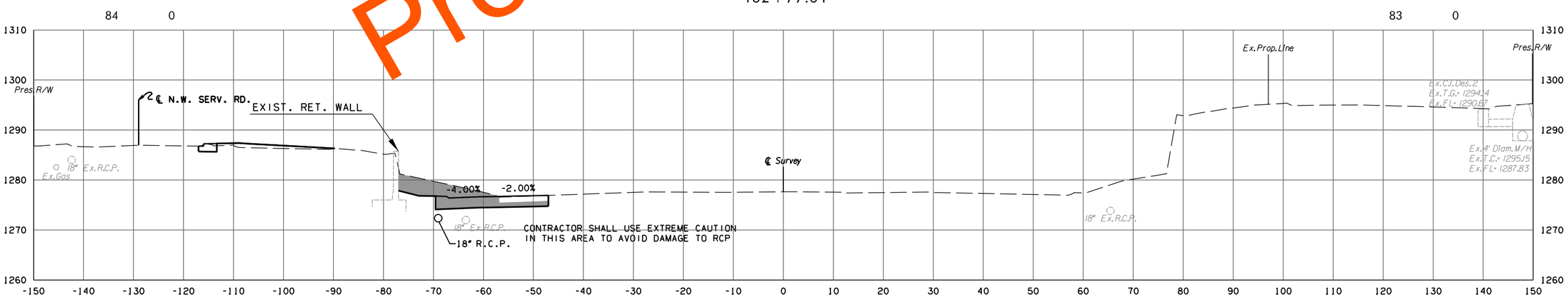

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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X013

Preliminary Plans

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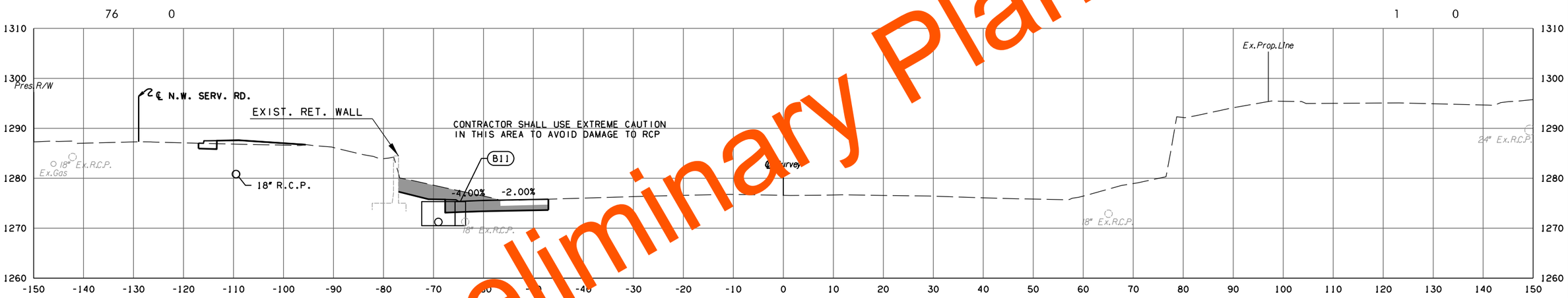
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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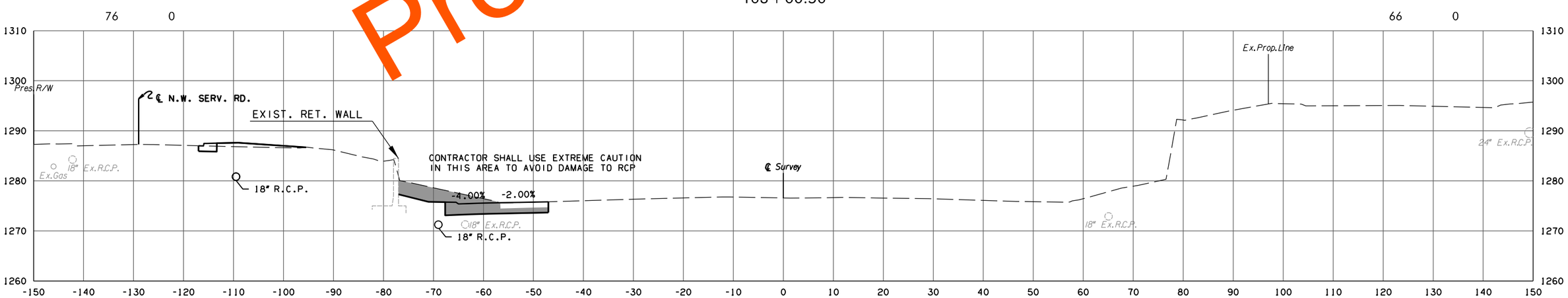

103+00.00

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X014

Preliminary Plans

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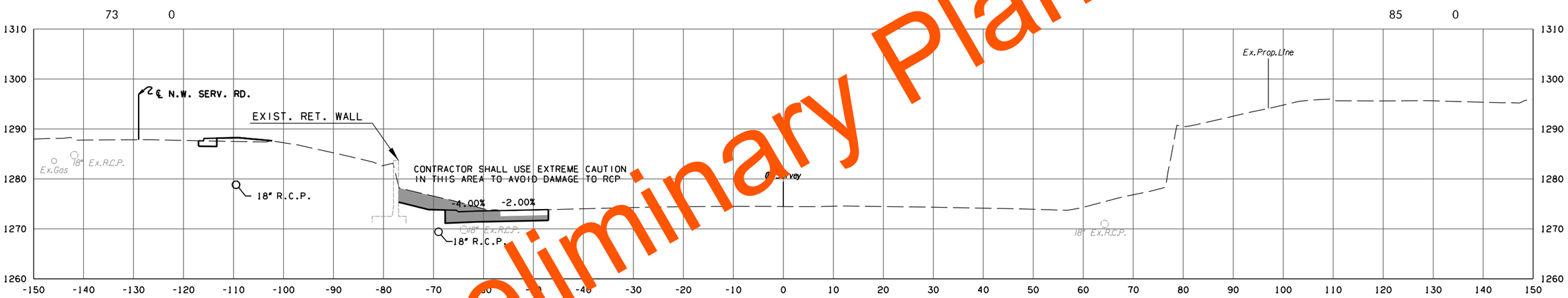
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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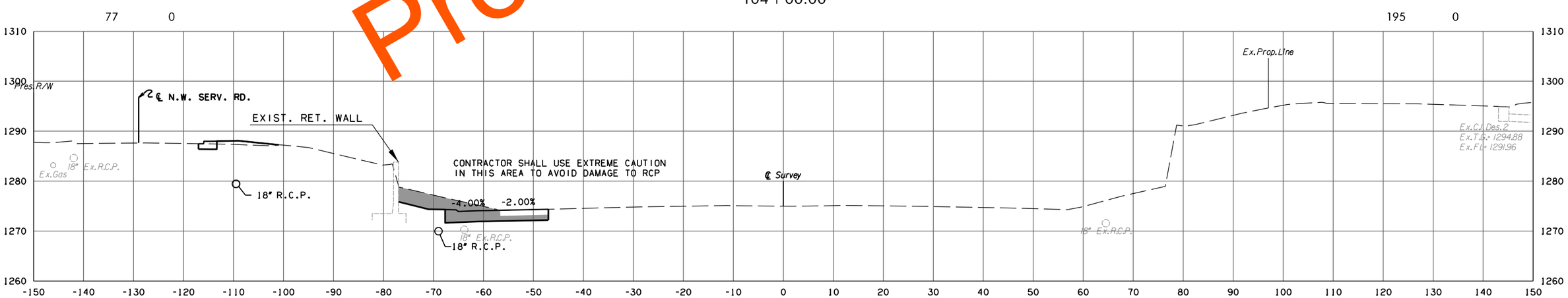

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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X015

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Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

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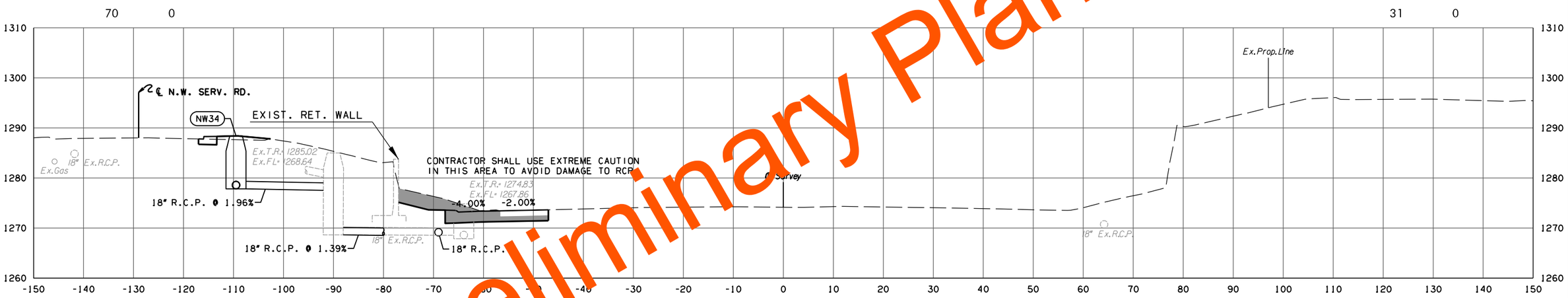
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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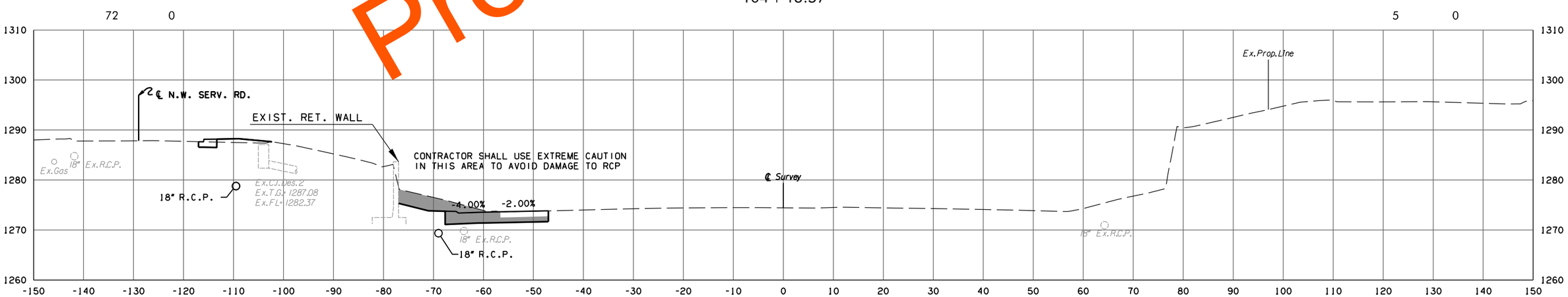

104 + 01.68

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X016

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

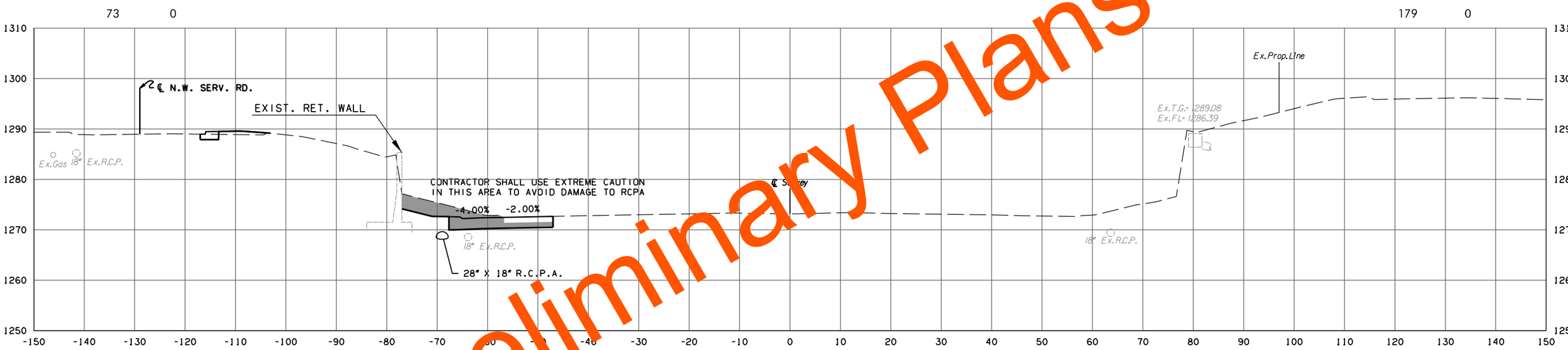
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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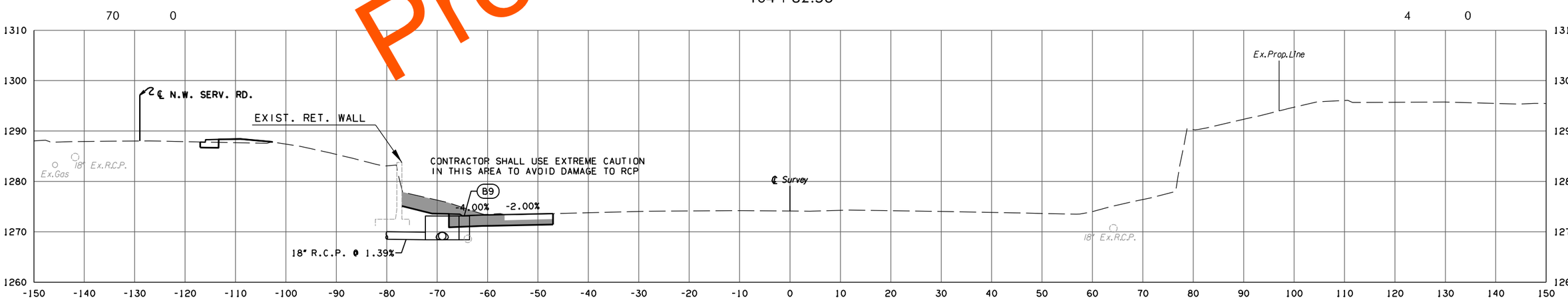

104+15.00

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X017

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

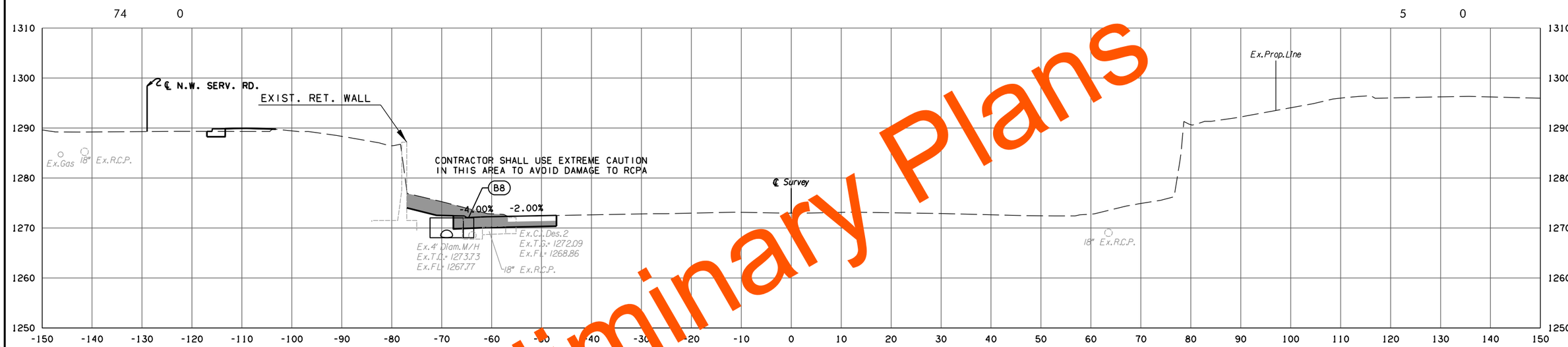
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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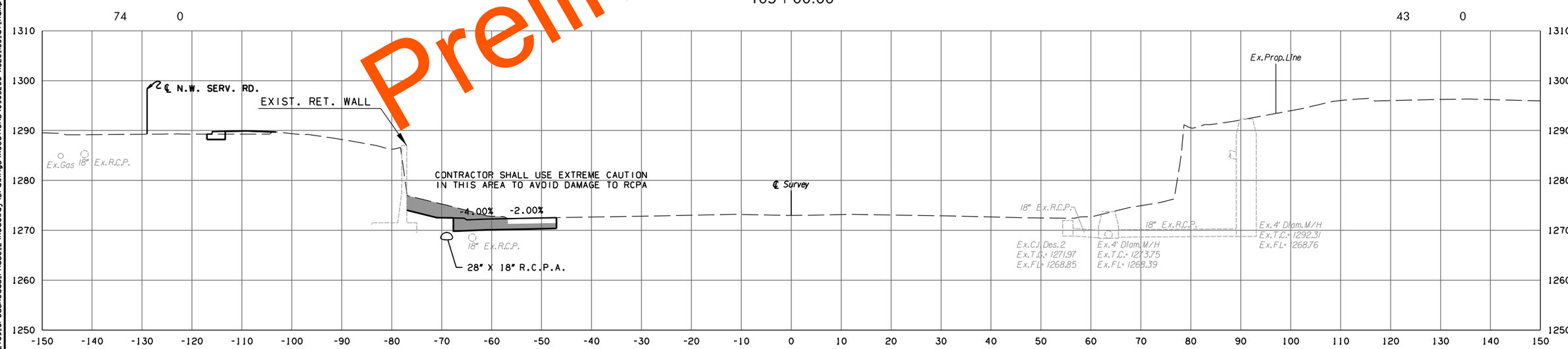

104+98.34

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X018

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

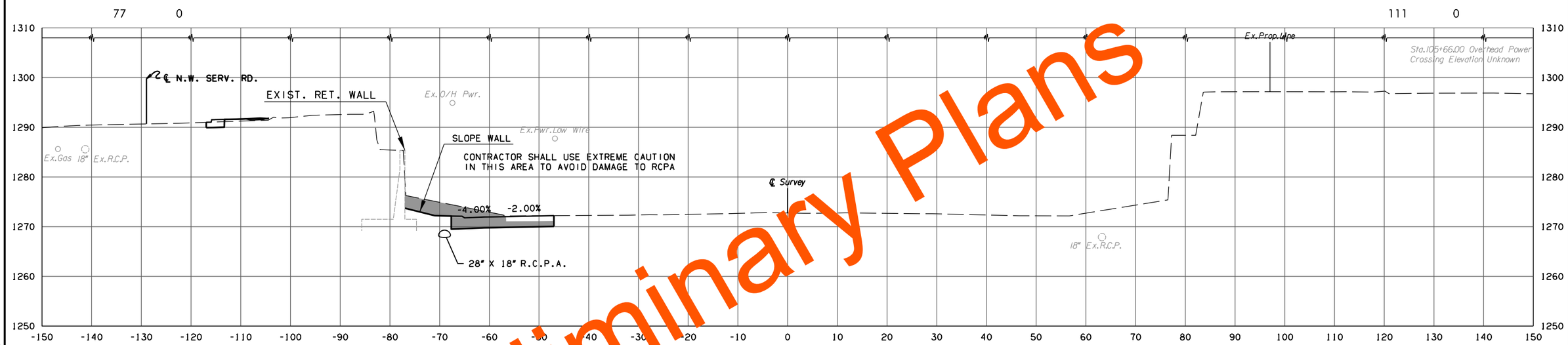
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

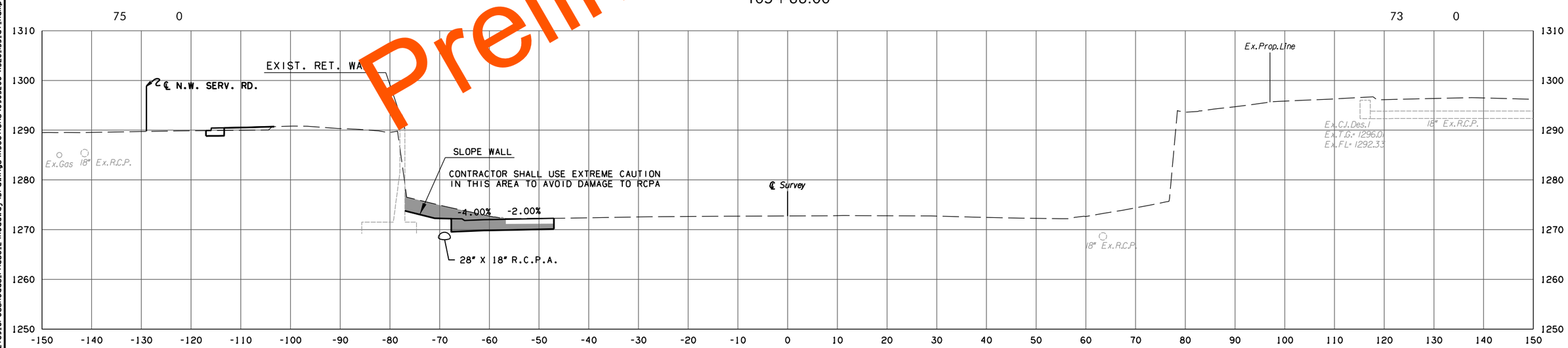
CUT FILL

VOLUME

CUT FILL



105+66.00



105+26.46

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X019

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

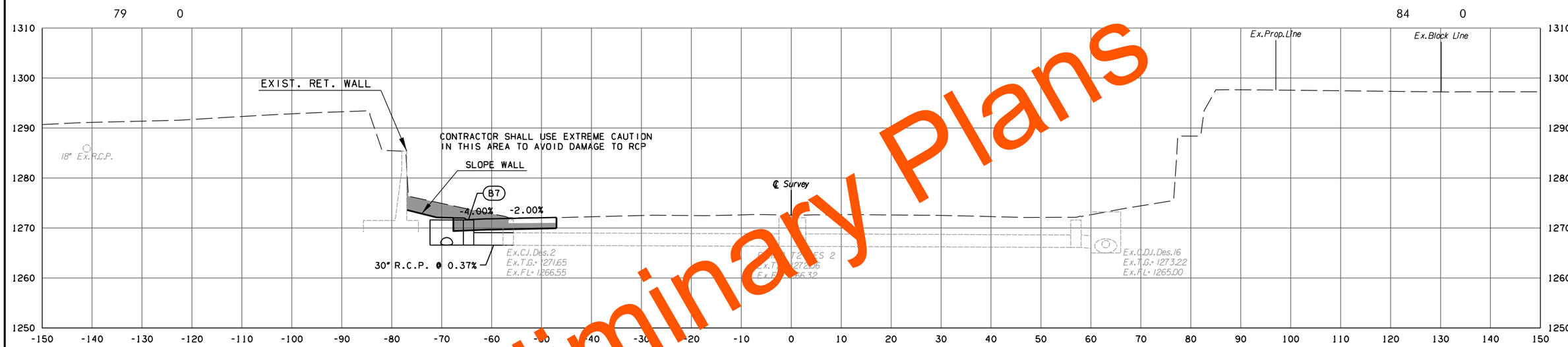
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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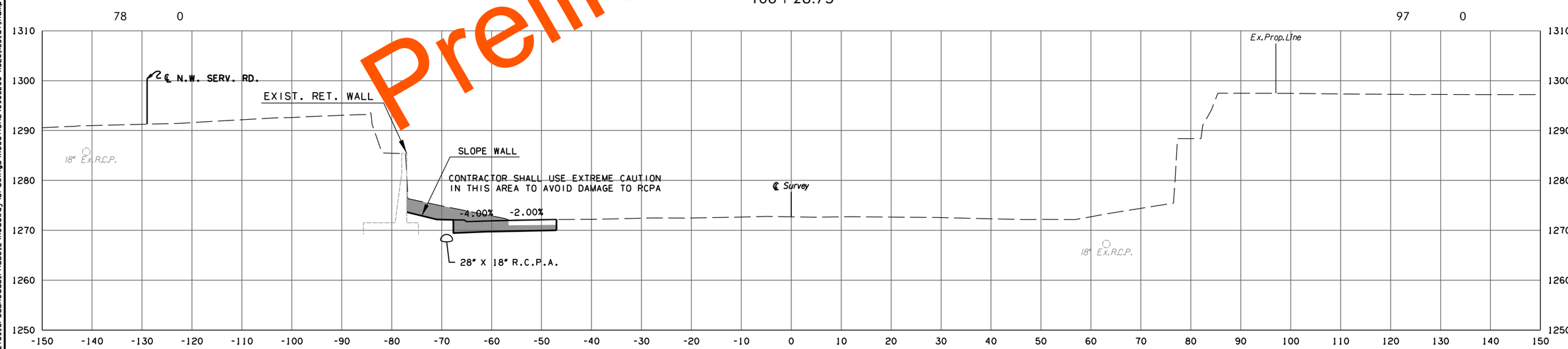

106+00.00

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X020

Preliminary Plans

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

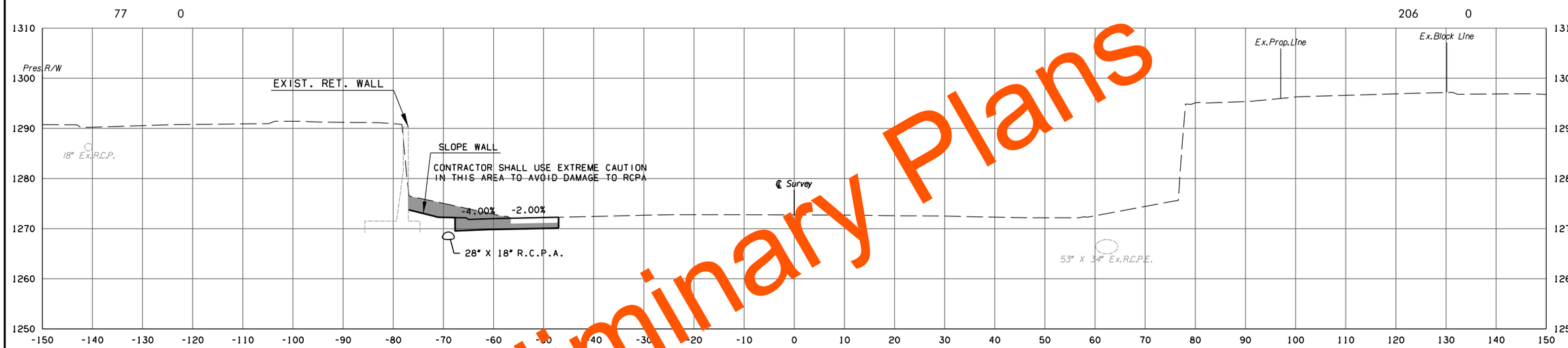
DESCRIPTION	REVISIONS	DATE
		5/27/2022

AREA

CUT FILL

VOLUME

CUT FILL



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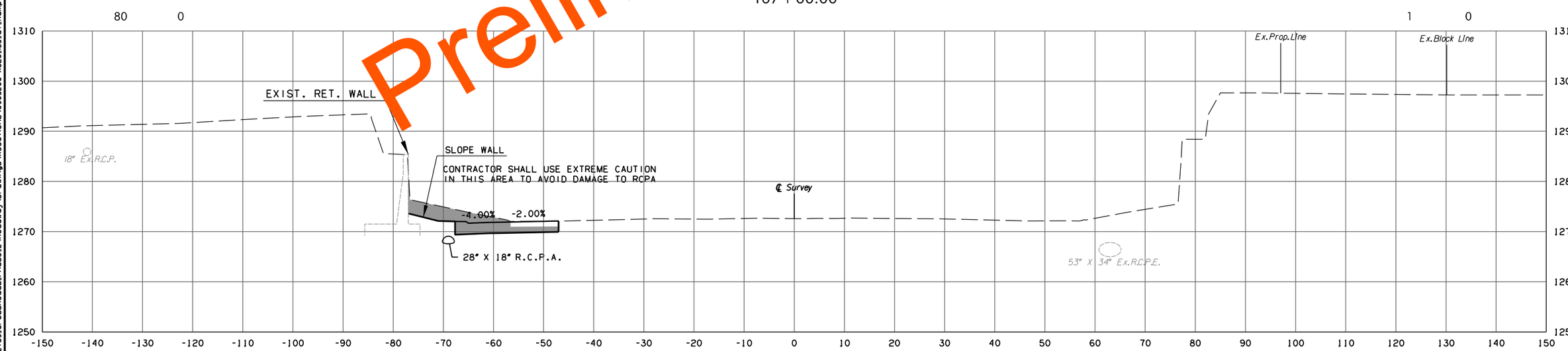

106+29.01

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X021

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

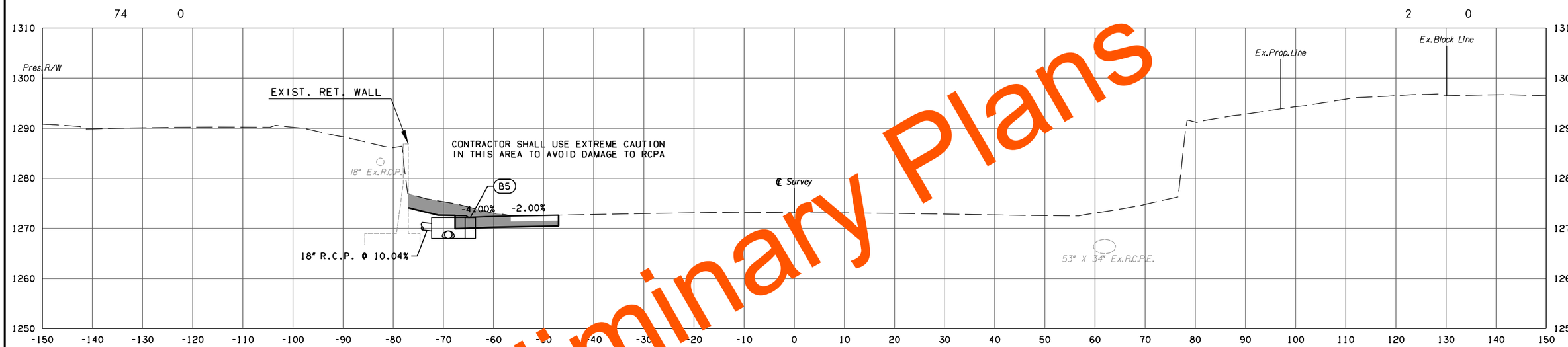
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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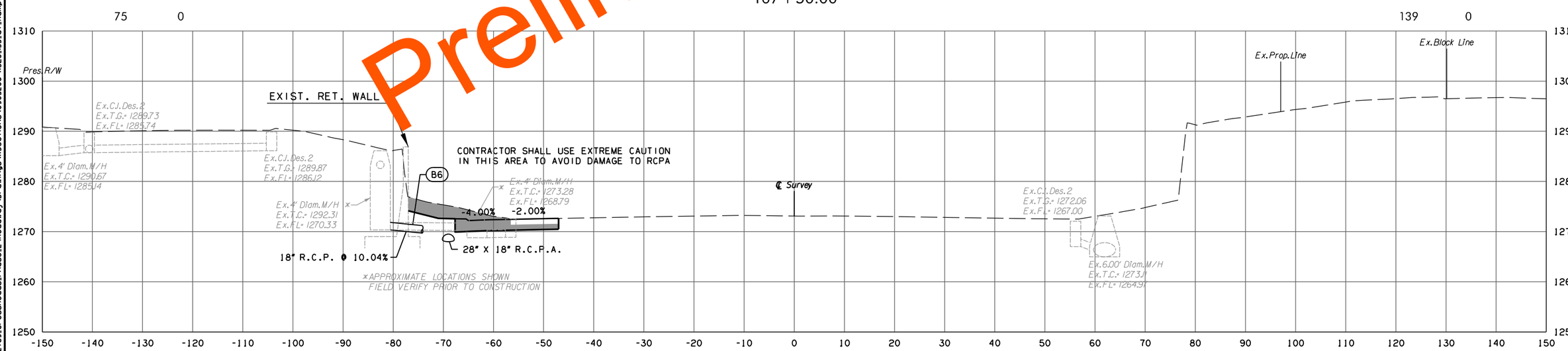

107+49.44

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X022

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

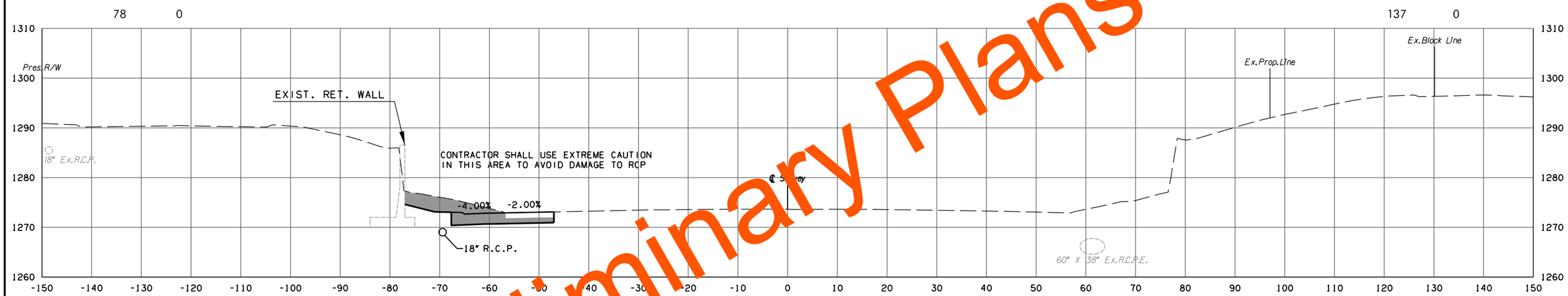
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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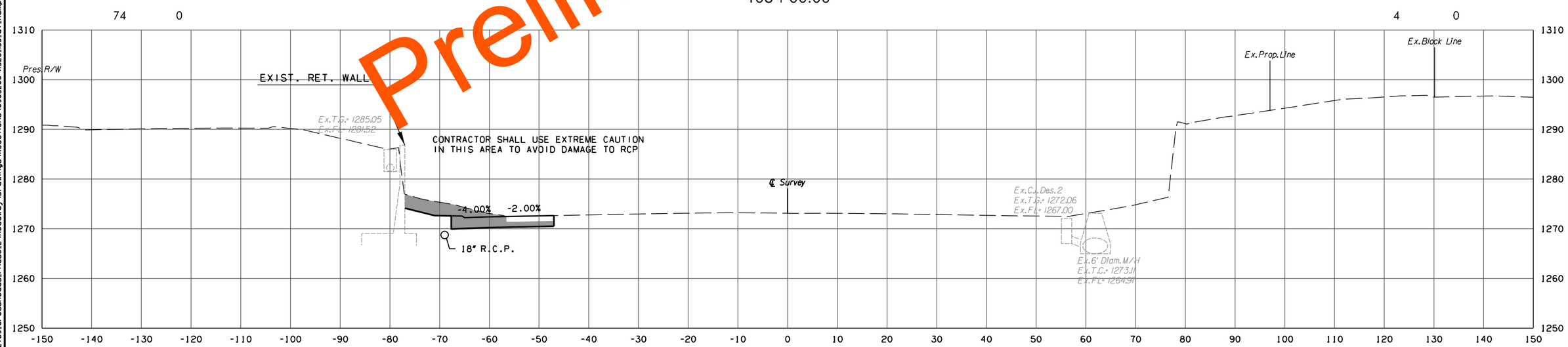

107+62.00

I-35 AT RAMP B

PHASE 2

STATE JOB NO.	09032(06)	
OKLAHOMA	COUNTY	SHEET NO. X023

Preliminary Plans

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

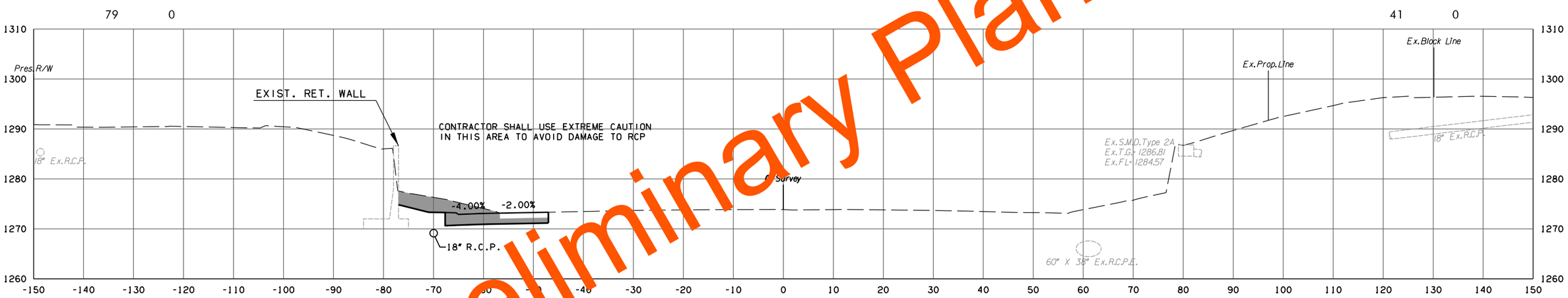
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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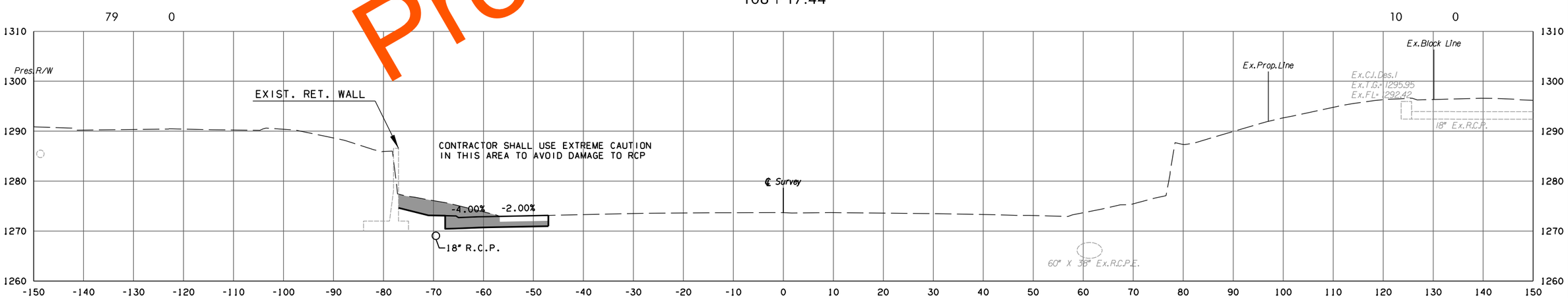

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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X024

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

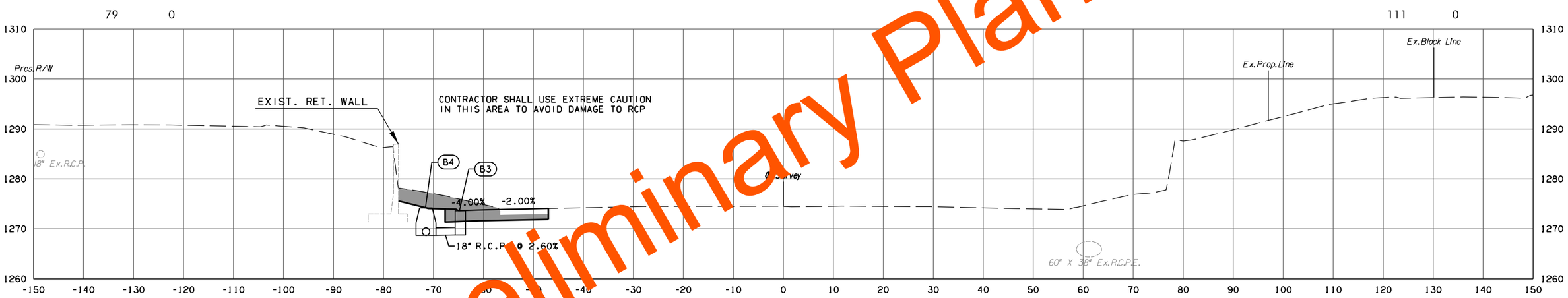
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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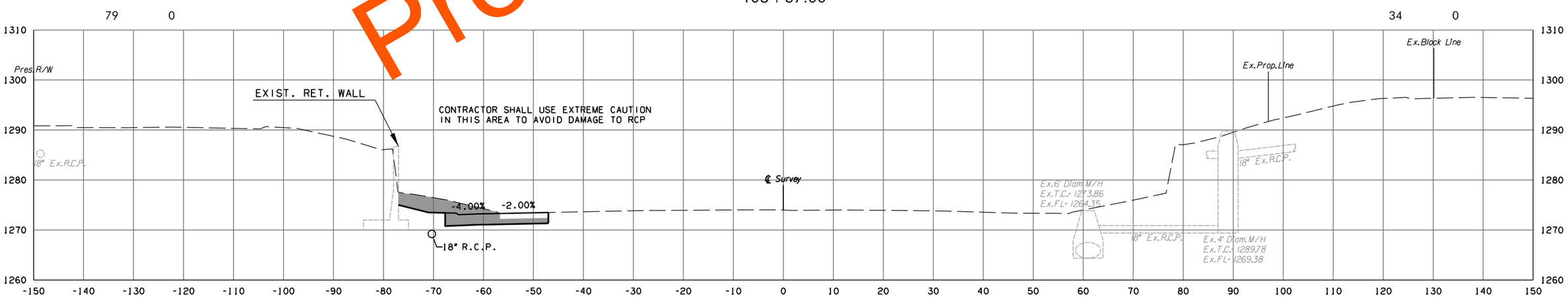

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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X025

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

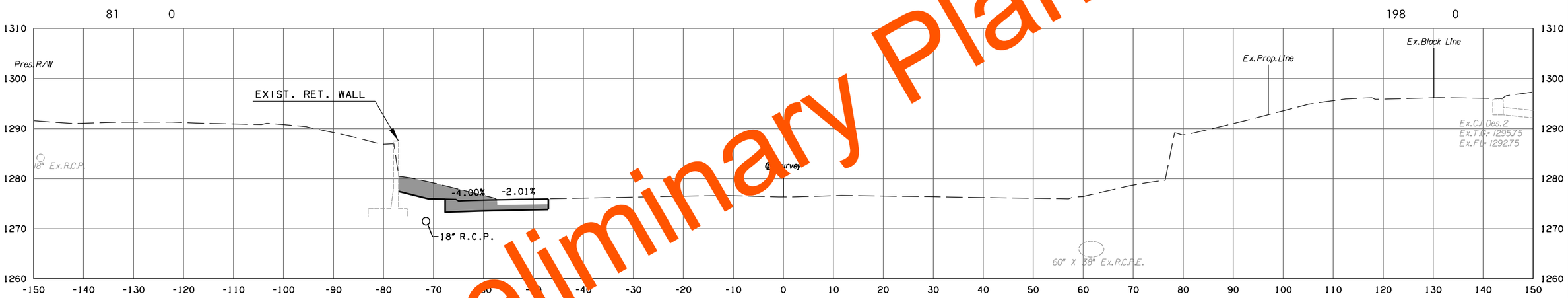
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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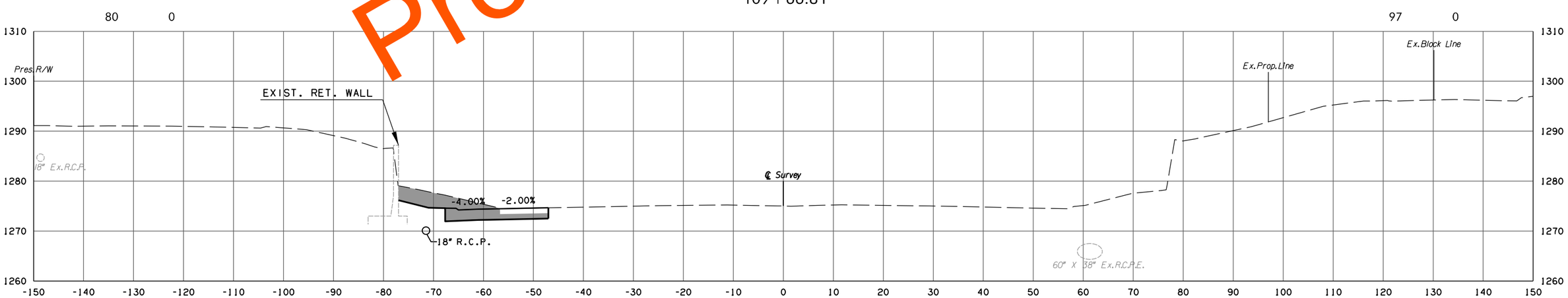

109+00.00

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X026

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

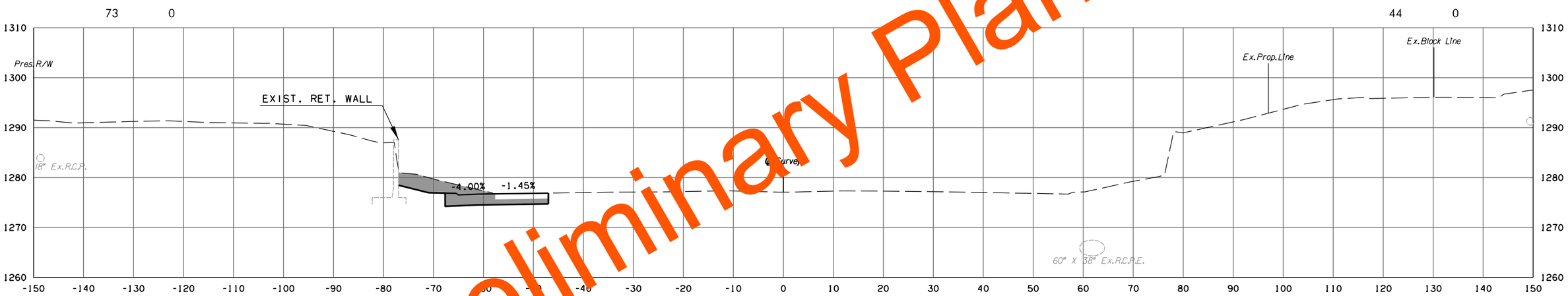
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

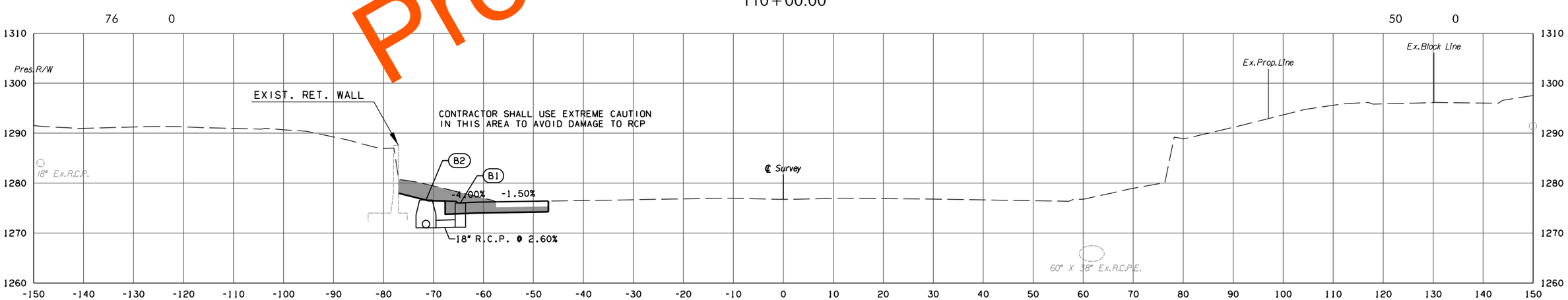
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



110+00.00



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I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X027

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

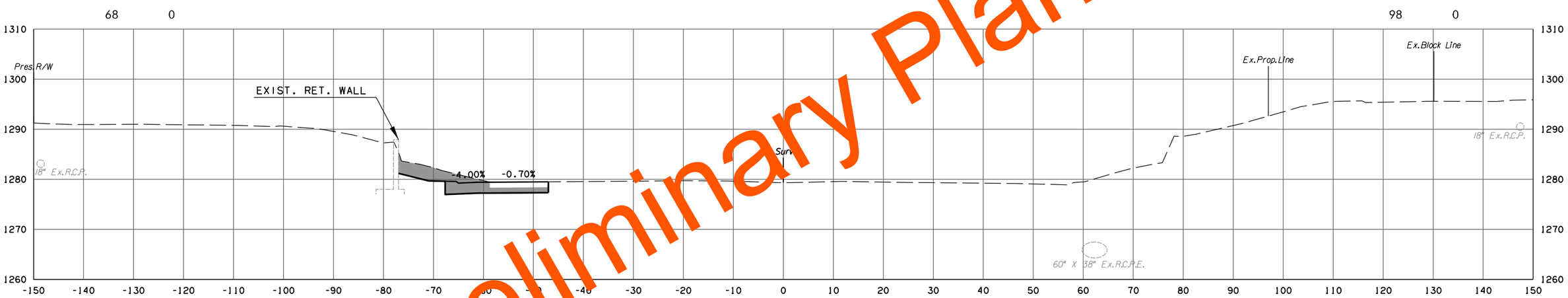
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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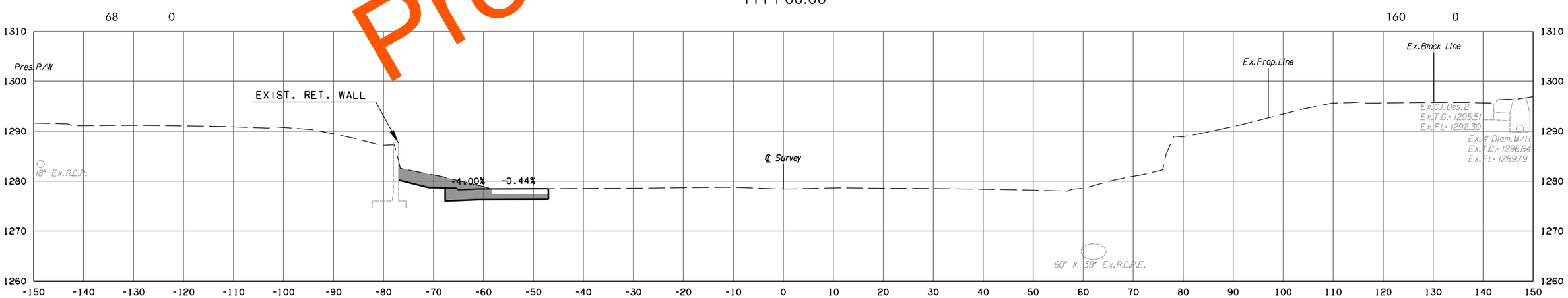

110+61.19

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X028

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

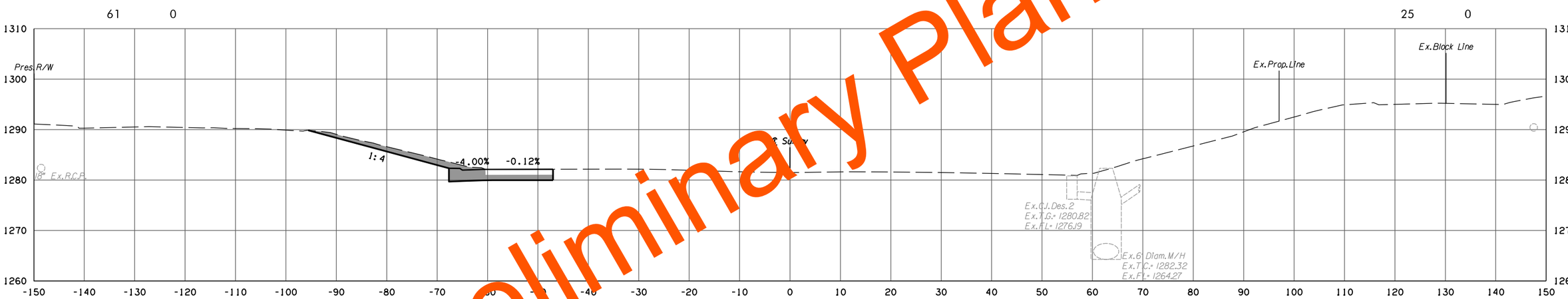
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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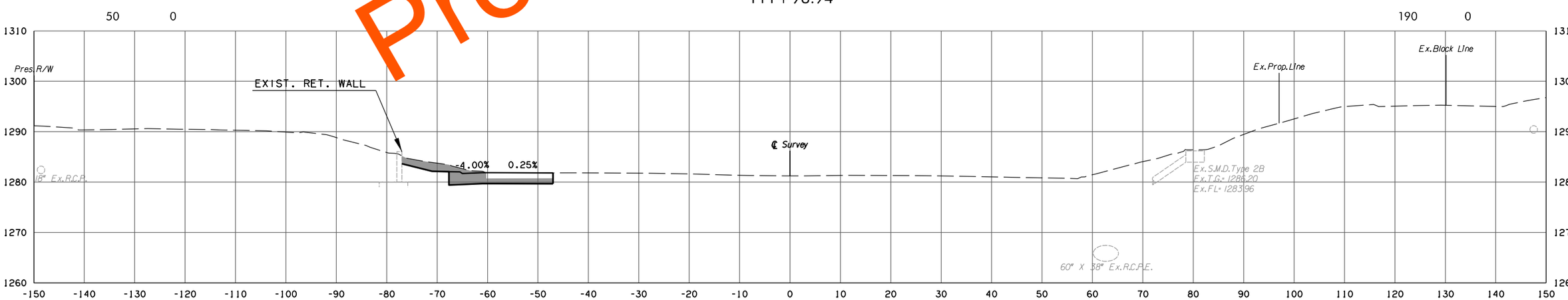

111+86.95

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X029

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
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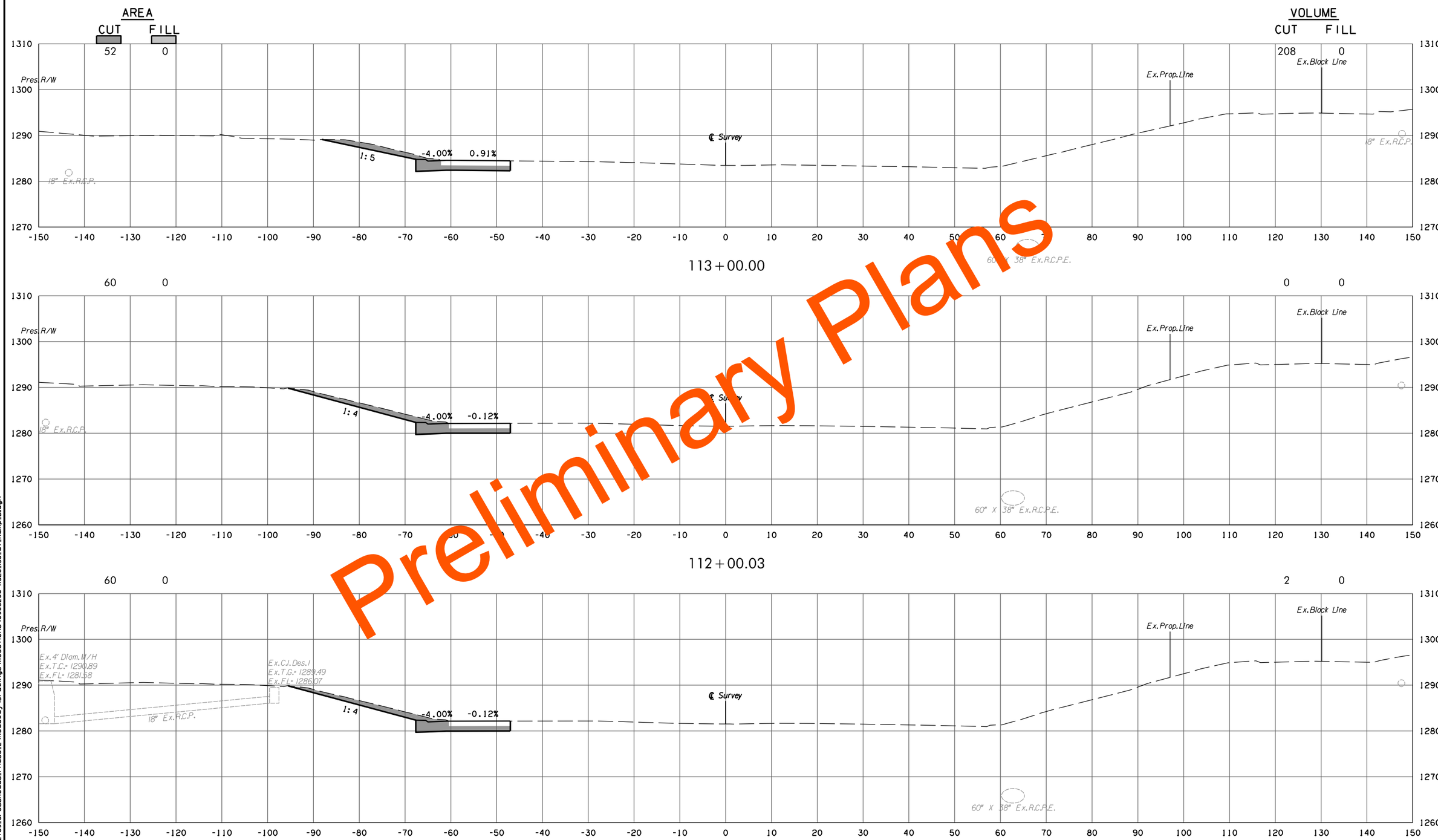

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X030

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

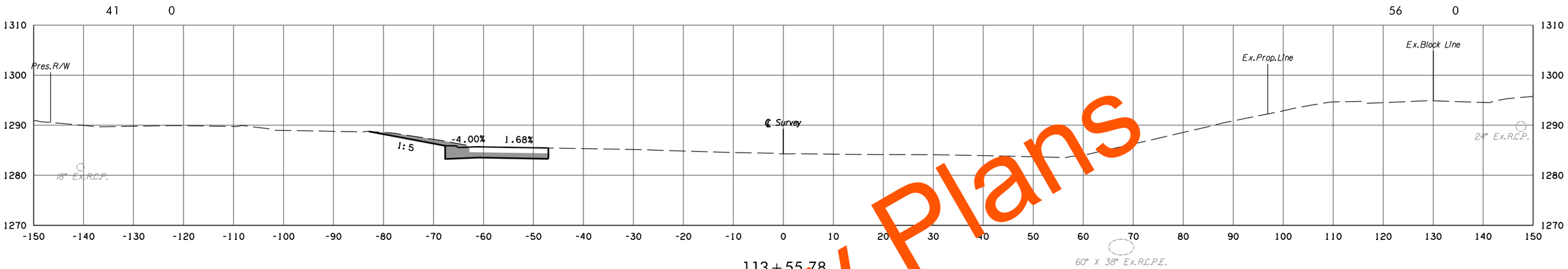
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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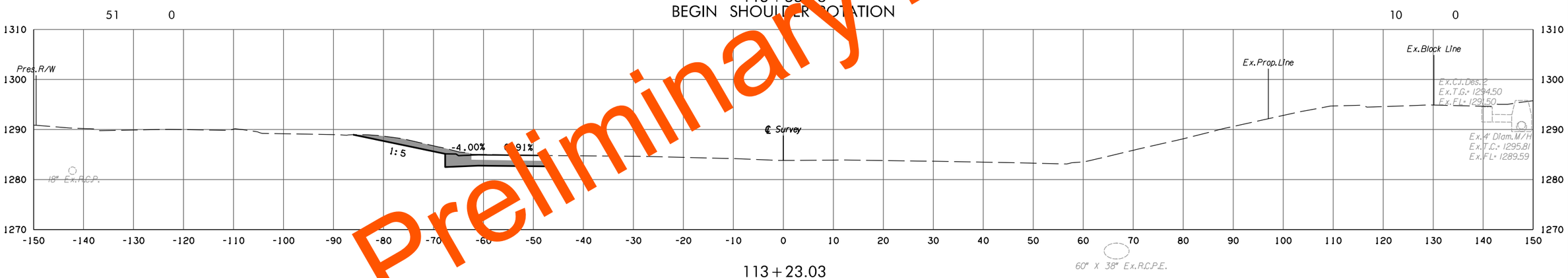

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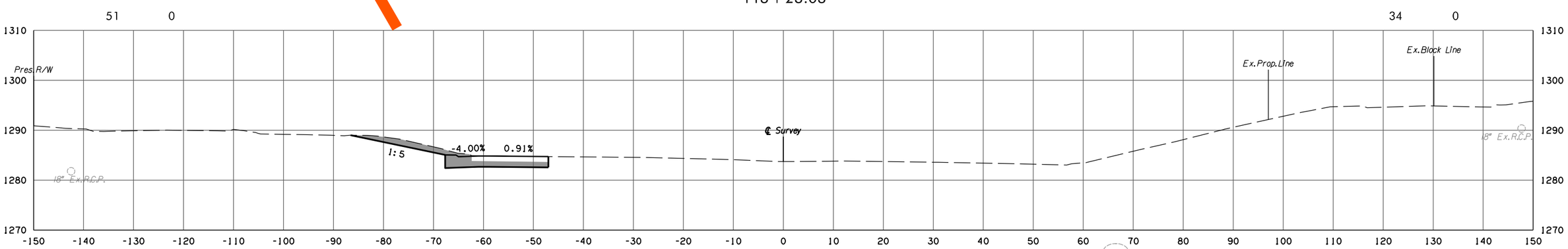

113+17.69

Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X031

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

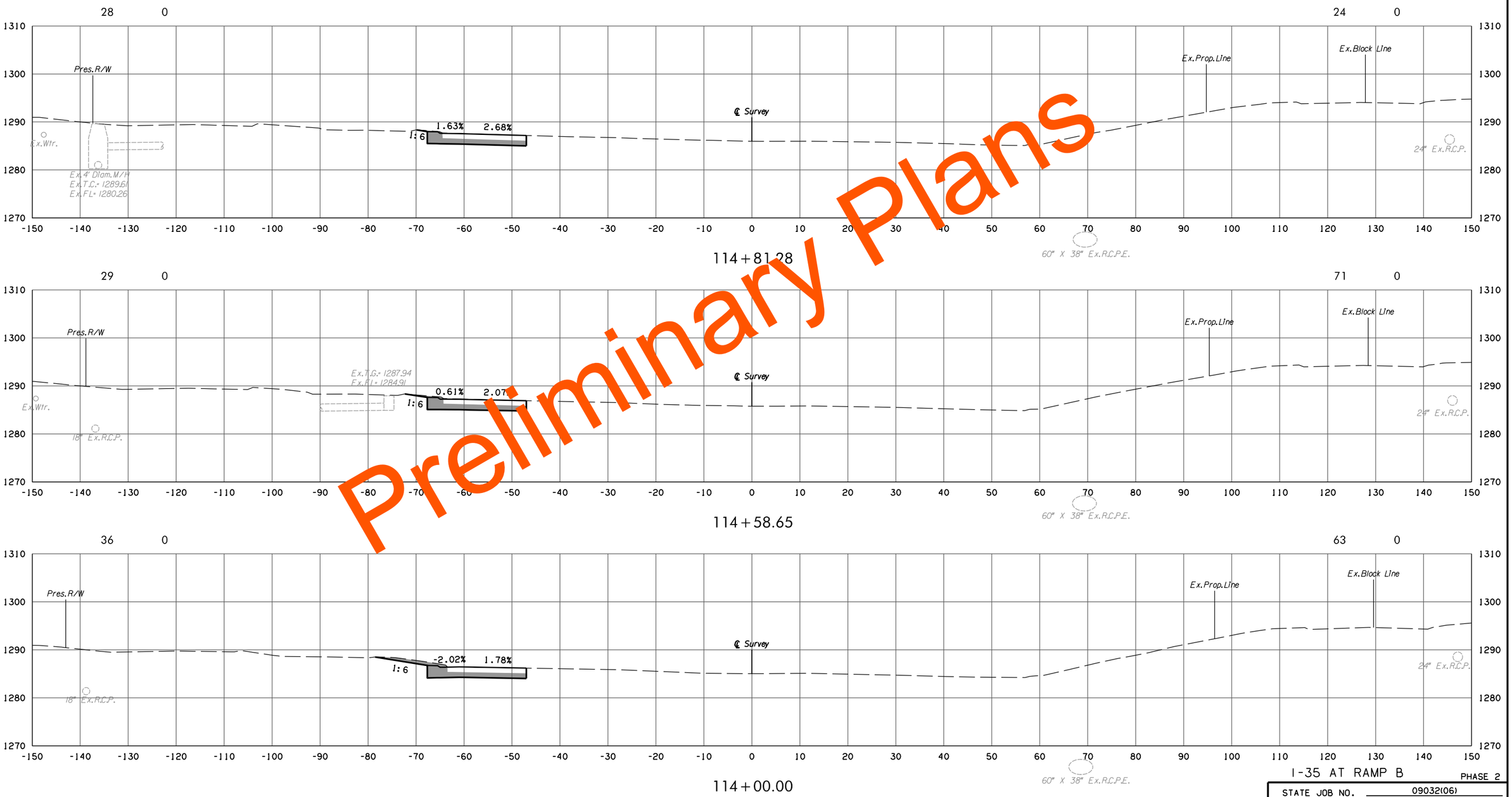
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



Preliminary Plans

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X032

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

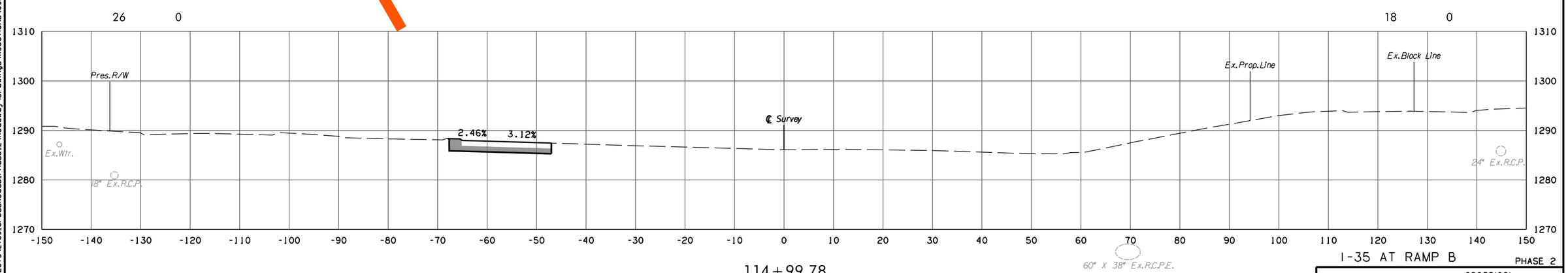
AREA

CUT FILL

VOLUME

CUT FILL

Preliminary Plans



END SHOULDER ROTATION

114+99.78
END CONSTRUCTION

I-35 AT RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X033

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

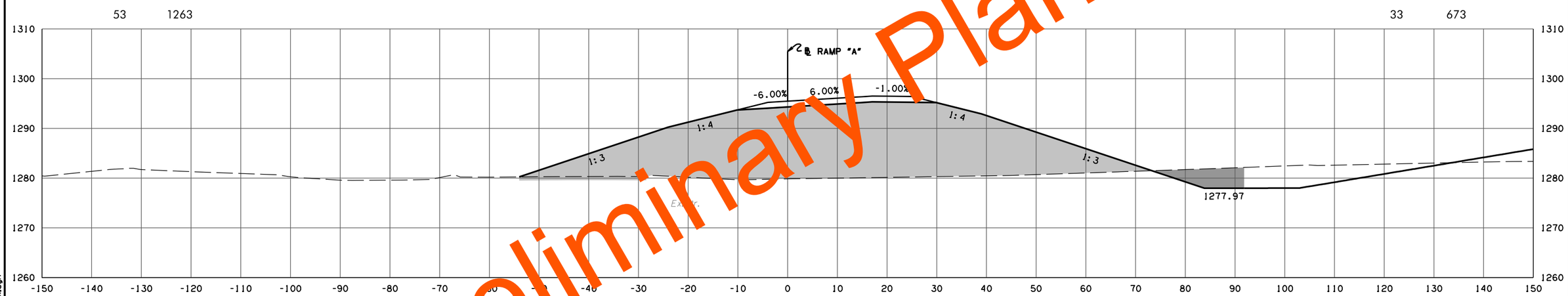
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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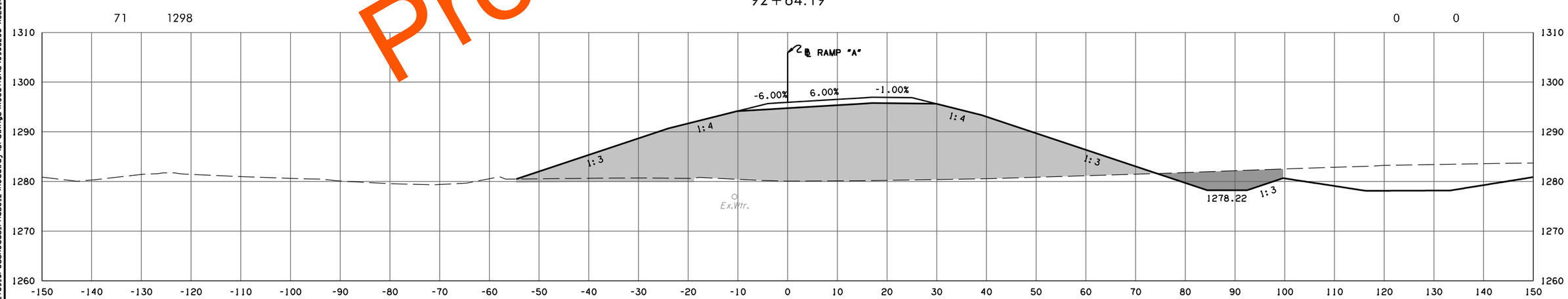

F.G. ELEV. = 1295.93
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RAMP A

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY
SHEET NO. X034

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

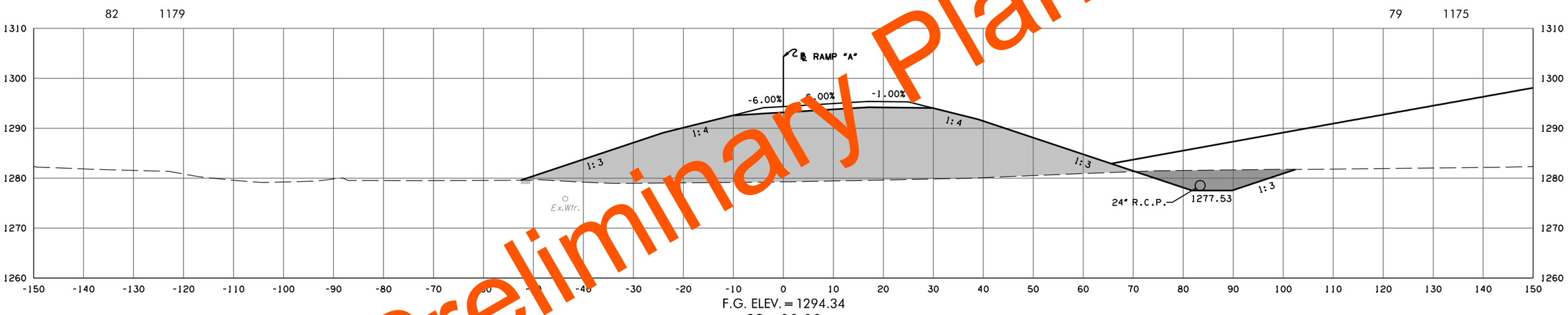
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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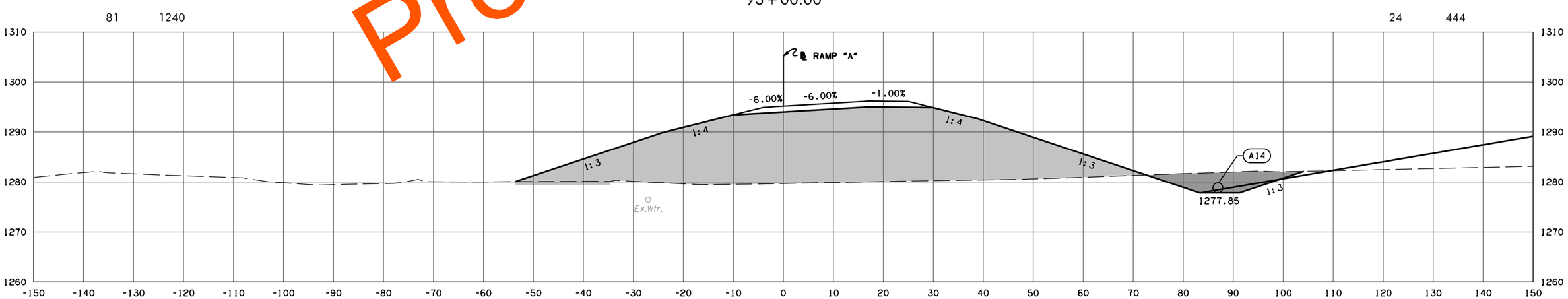

F.G. ELEV. = 1295.17
92 + 73.77

RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X035

Preliminary Plans

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

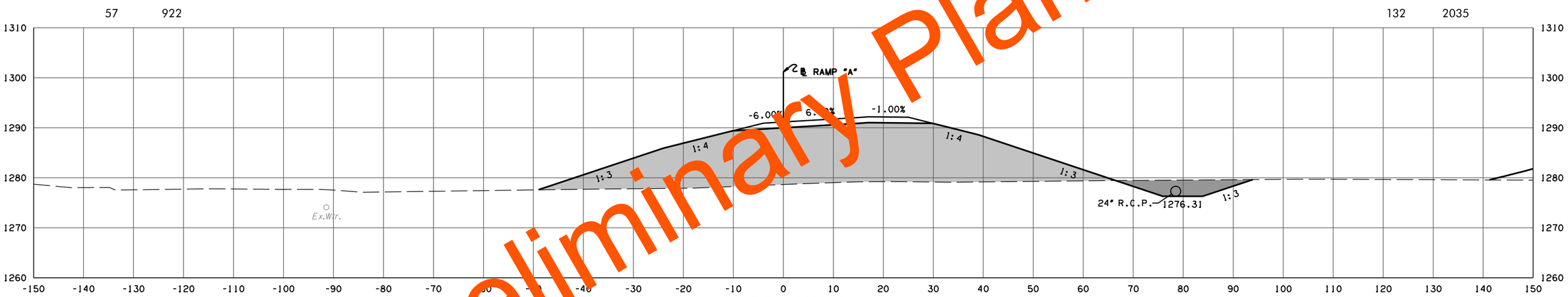
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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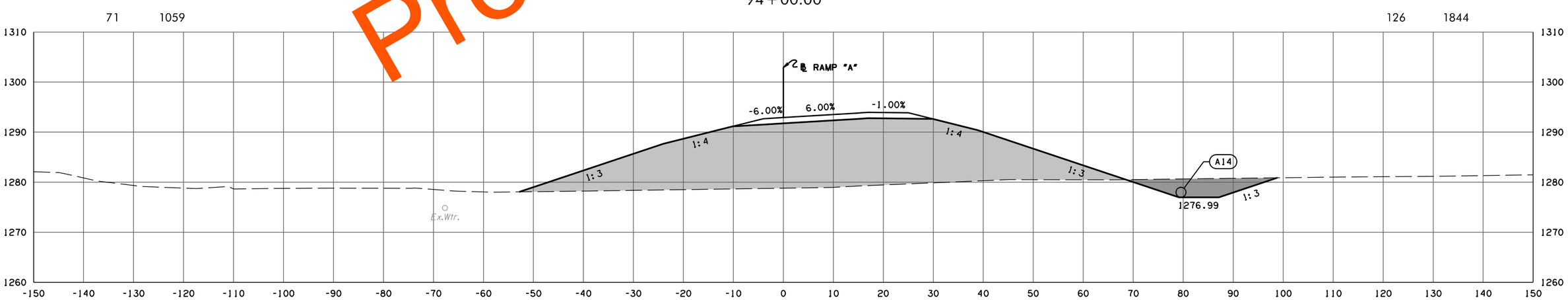

F.G. ELEV. = 1292.93
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RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X036

Preliminary Plans

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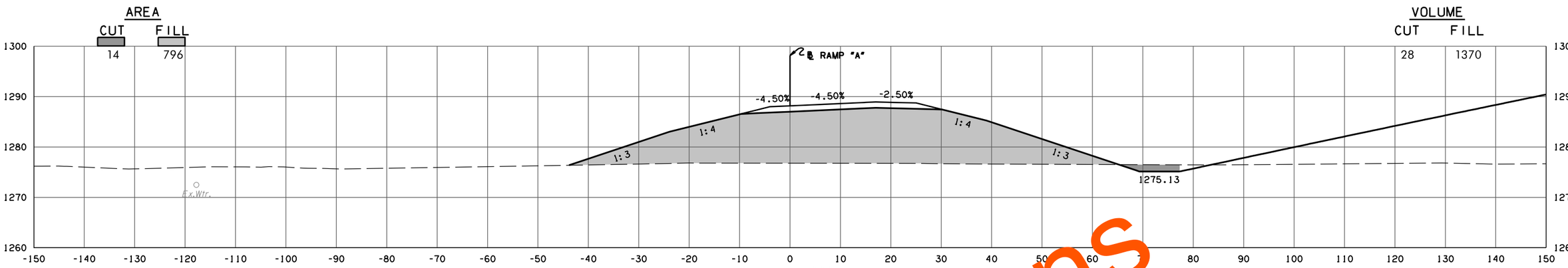
SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
		5/27/2022



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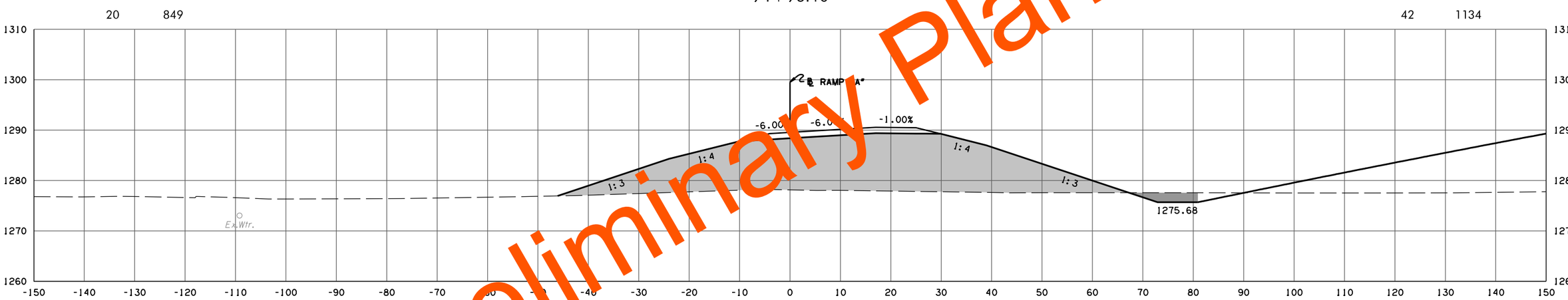

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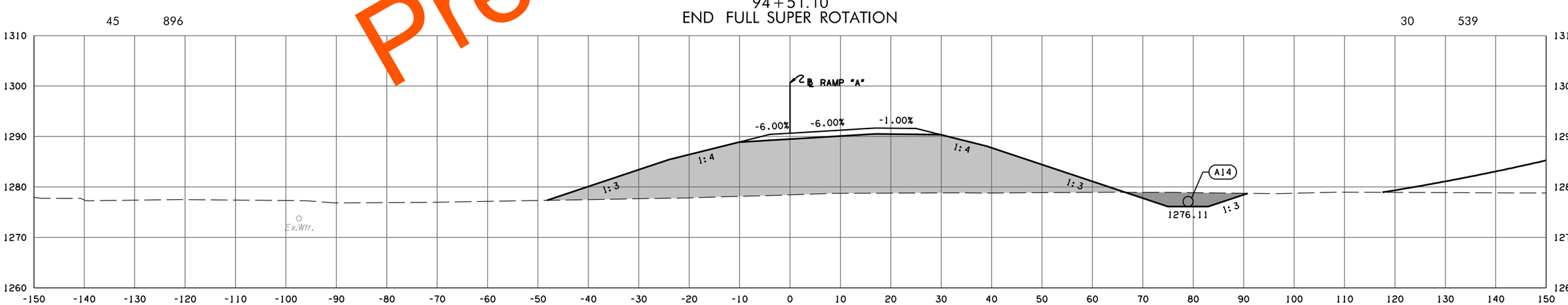

F.G. ELEV. = 1290.66
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RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X037

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

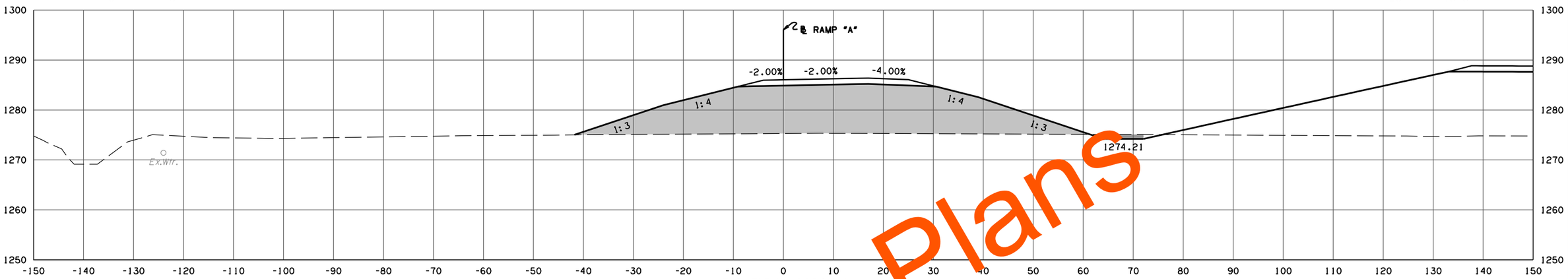
AREA

CUT FILL

VOLUME

CUT FILL

8 701 25 1645



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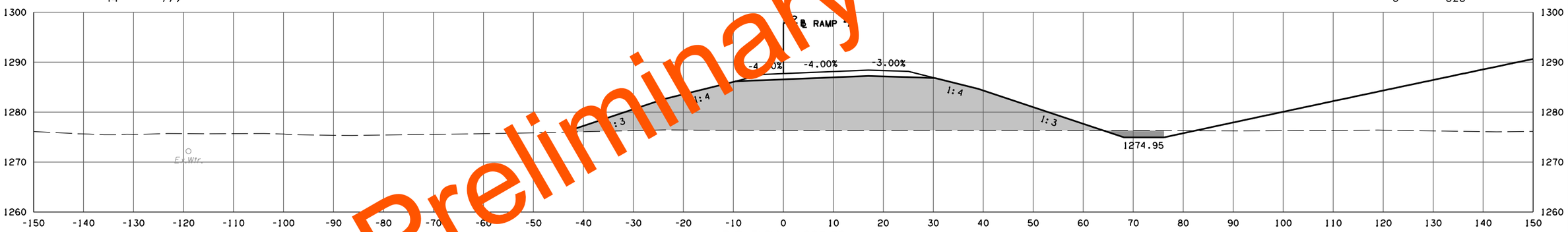
95 + 71.10

14 779 6 323



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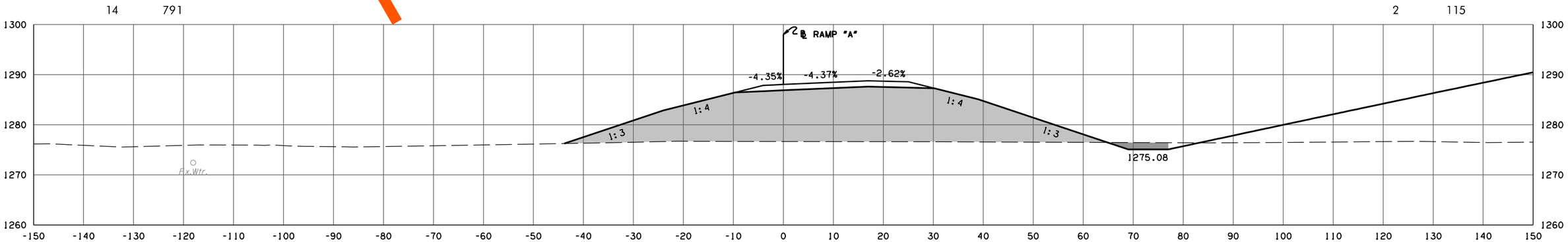
14 791 2 115



F.G. ELEV. = 1288.05
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RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X038

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

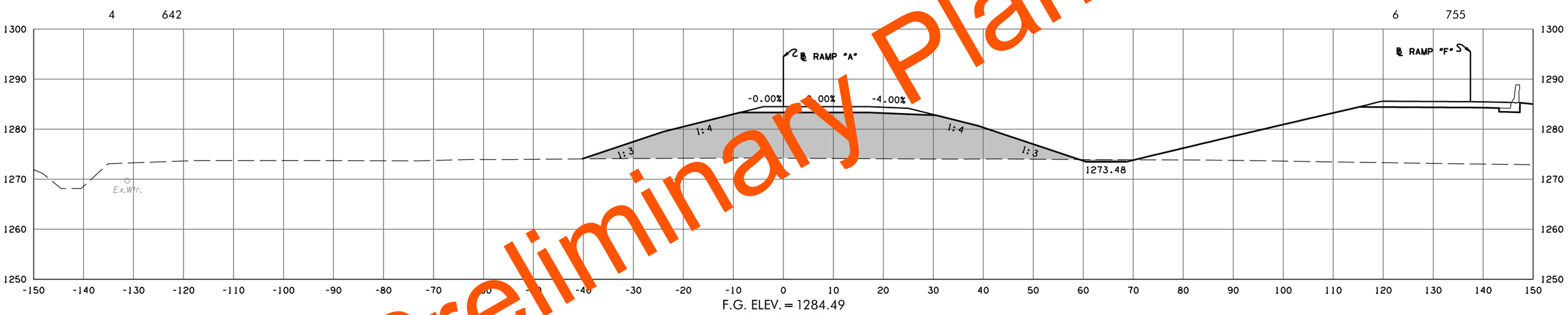
POE & ASSOCIATES, OKLAHOMA CITY, OK.

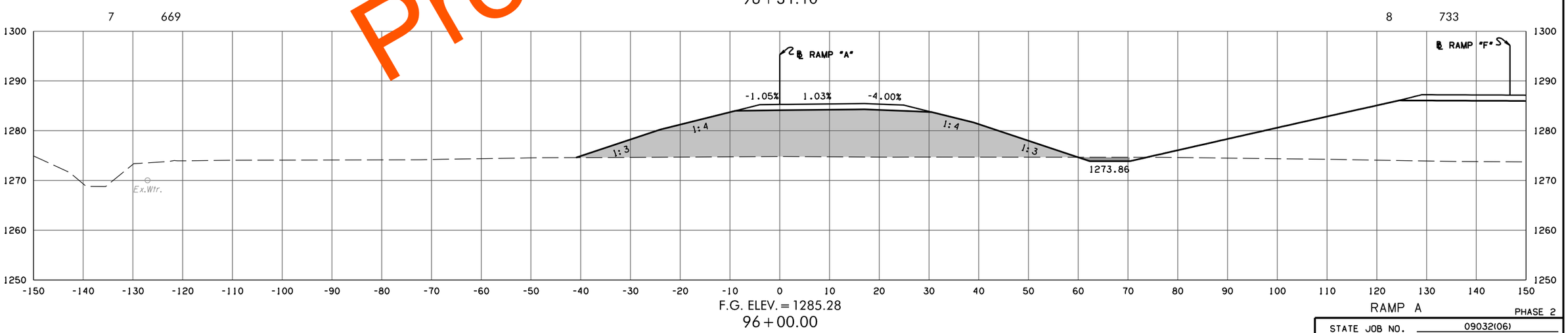
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL





RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X039

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

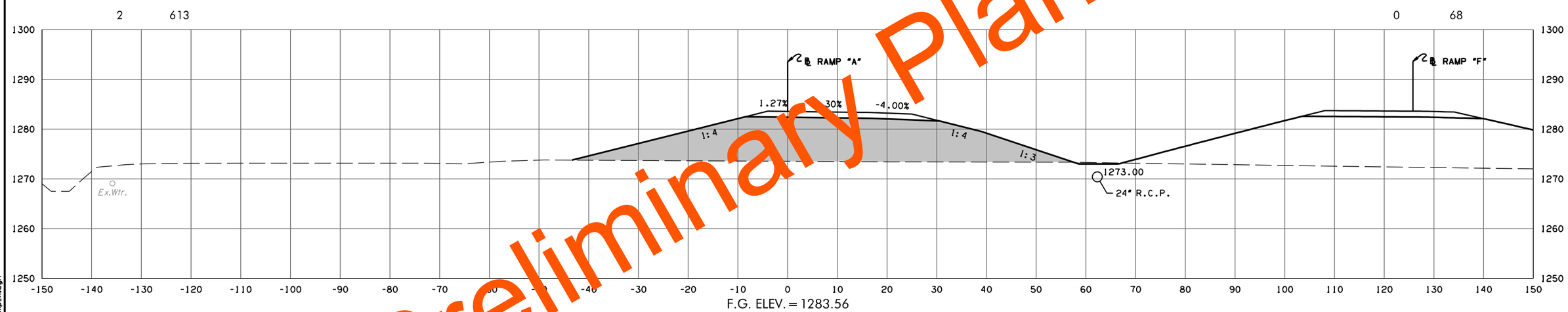
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST. NO.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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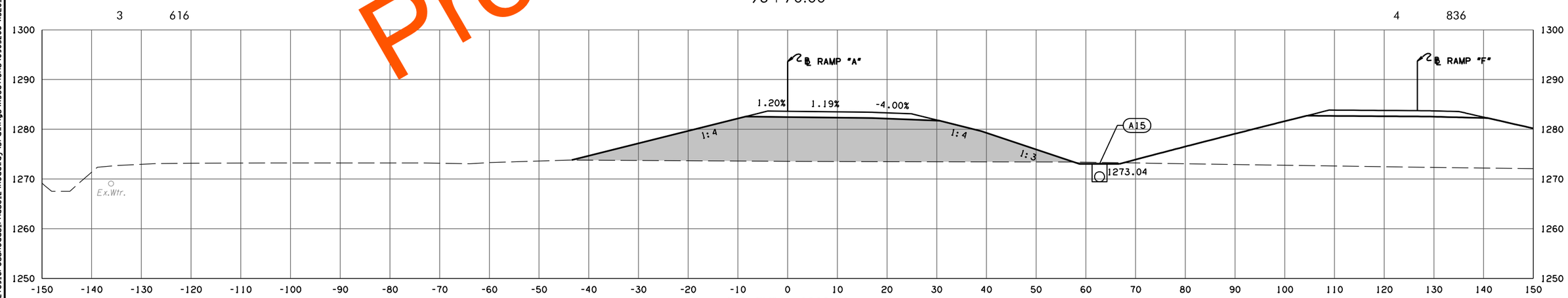

F.G. ELEV. = 1283.63
96 + 67.00

RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X040

Preliminary Plans

5/27/2022 10:25:56 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

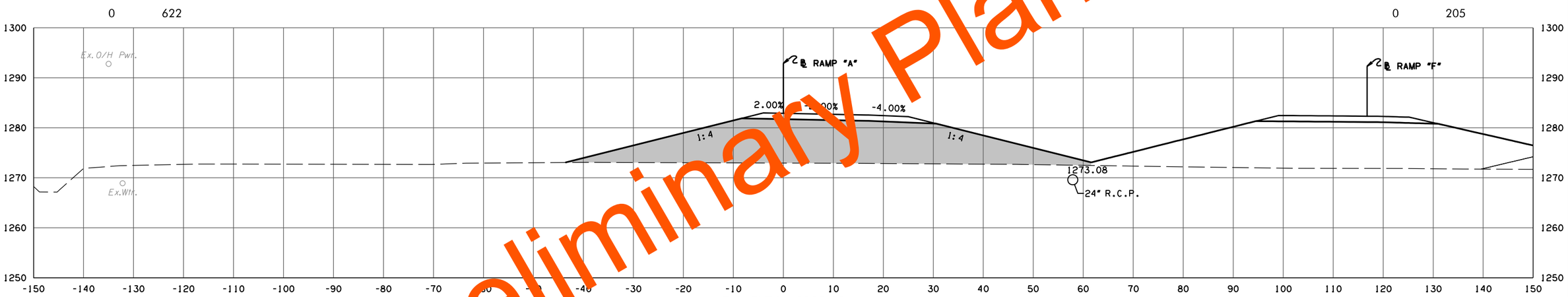
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST. NO.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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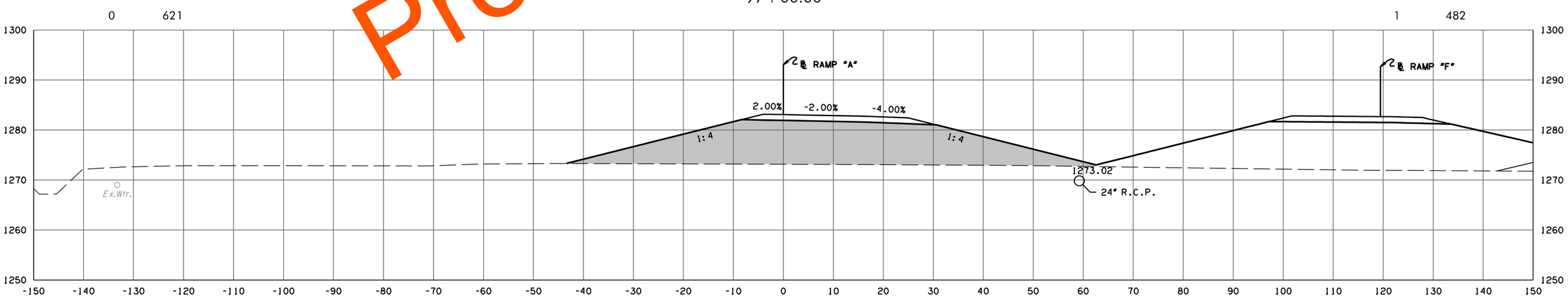

F.G. ELEV. = 1283.08
96+91.10
END SUPER ROTATION

RAMP A

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X041

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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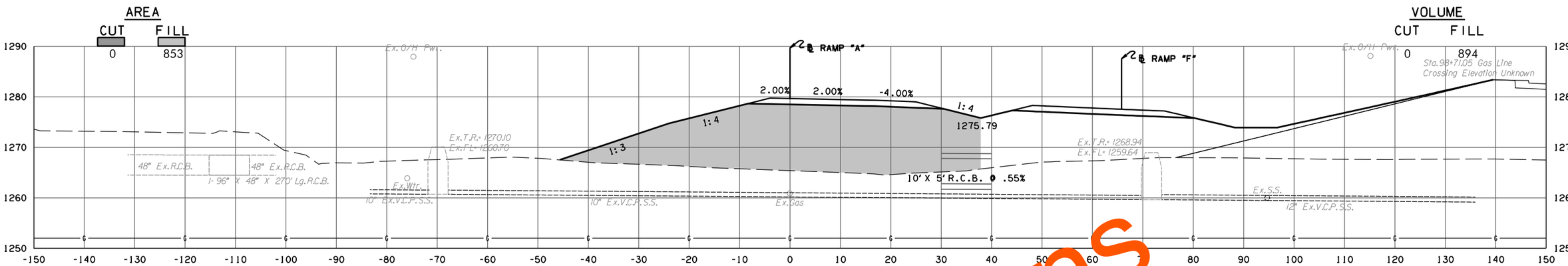
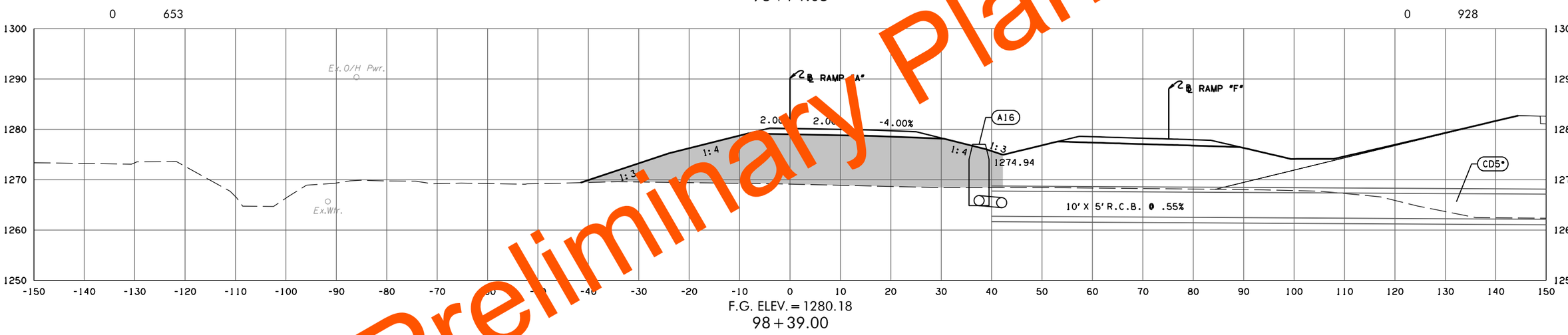
R/W & U/E PURCHASED UNDER JP 09032(05)

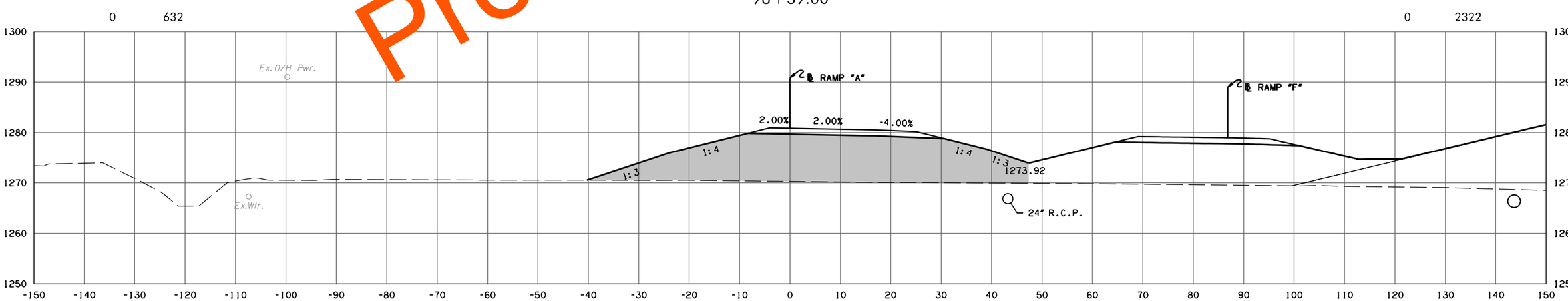
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	







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PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X042

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

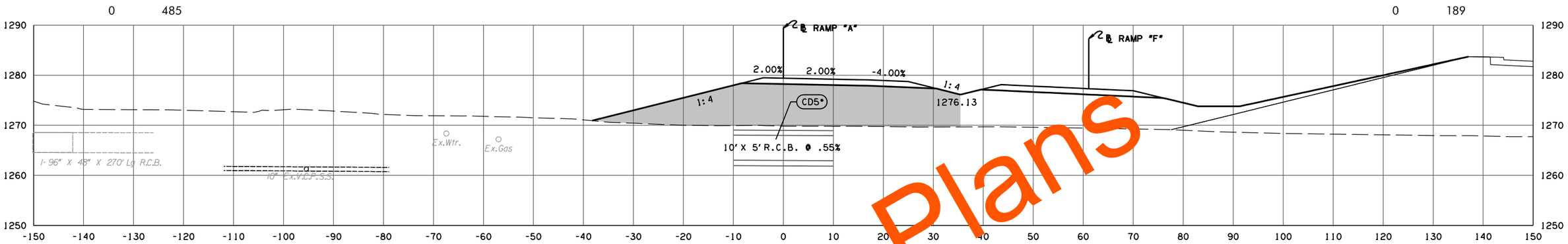
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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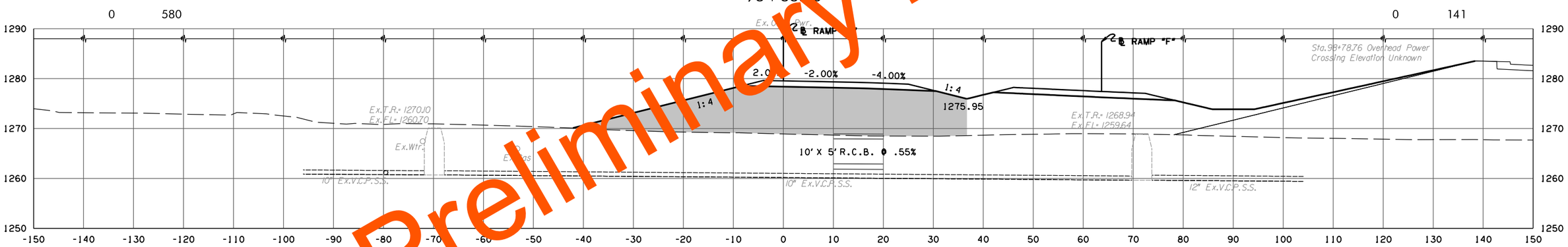

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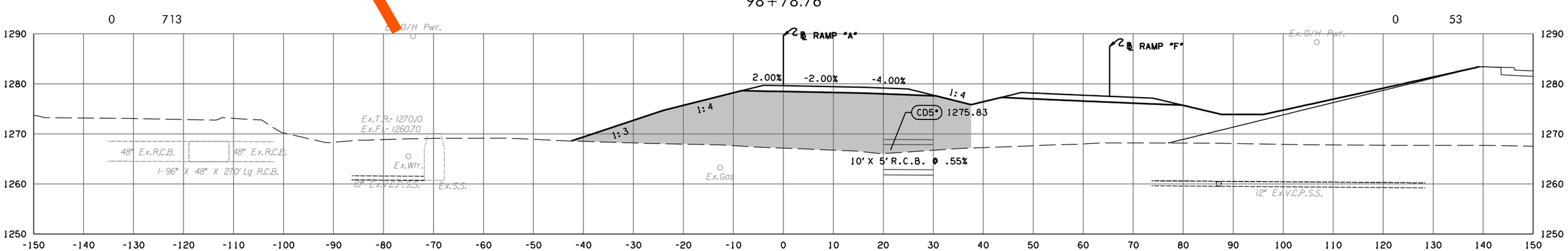

F.G. ELEV. = 1279.64
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RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X043

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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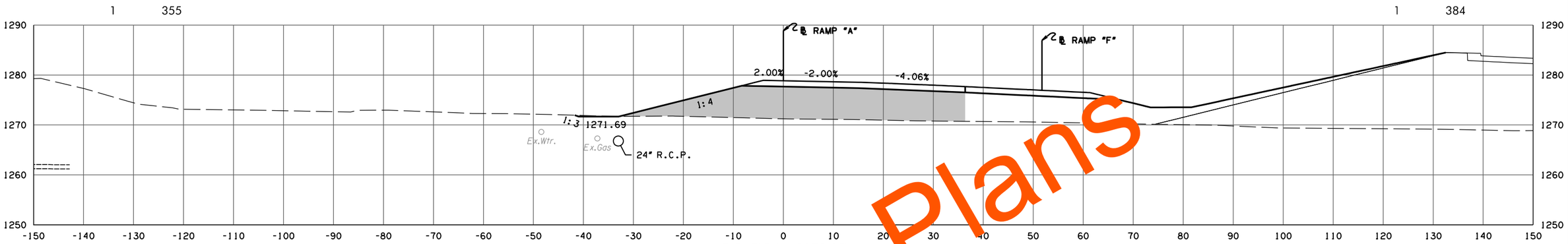
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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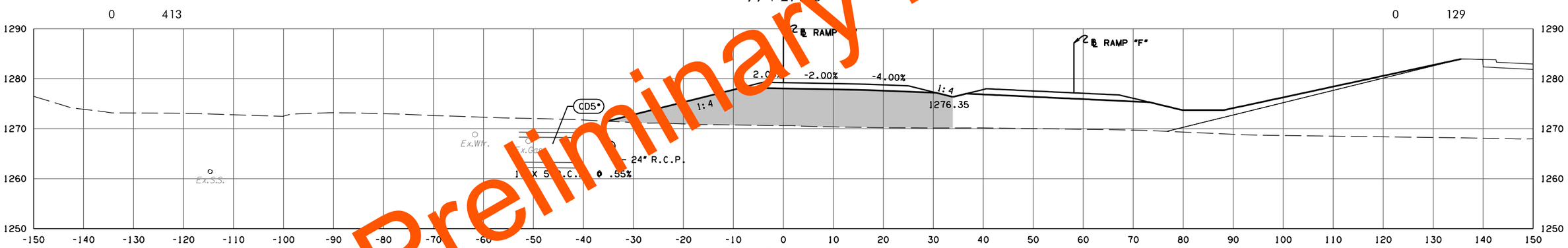

F.G. ELEV. = 1279.23
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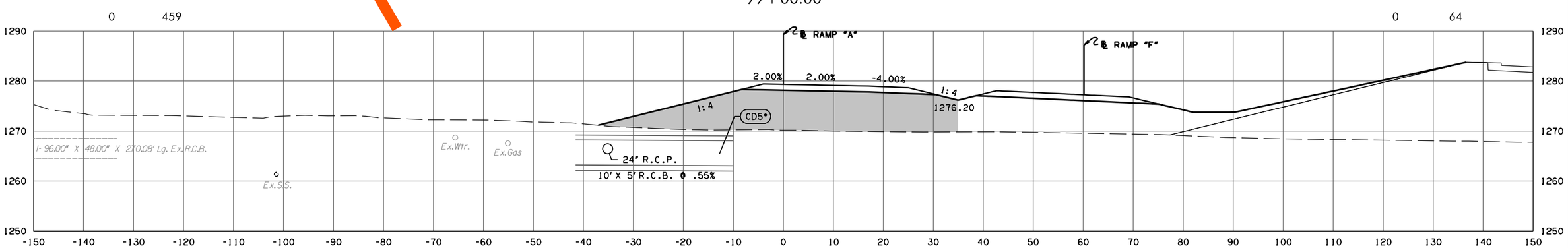

F.G. ELEV. = 1279.35
98+92.00

RAMP A

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X044

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Preliminary Plans

(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

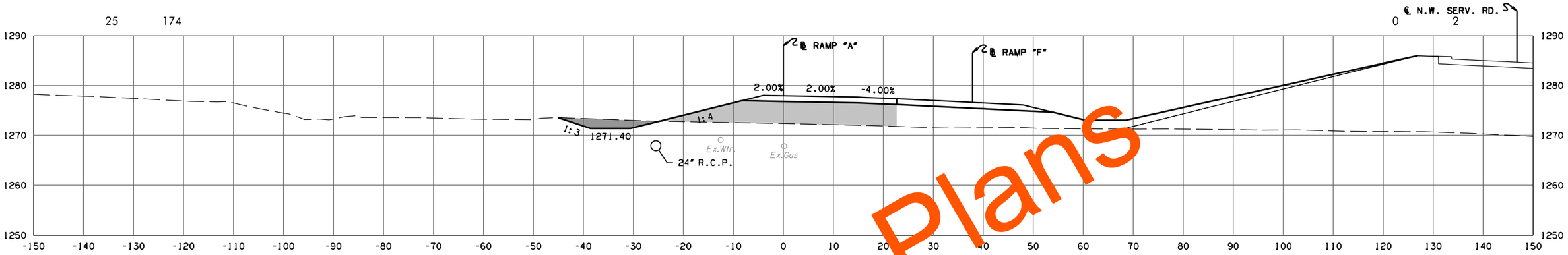
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1277.97
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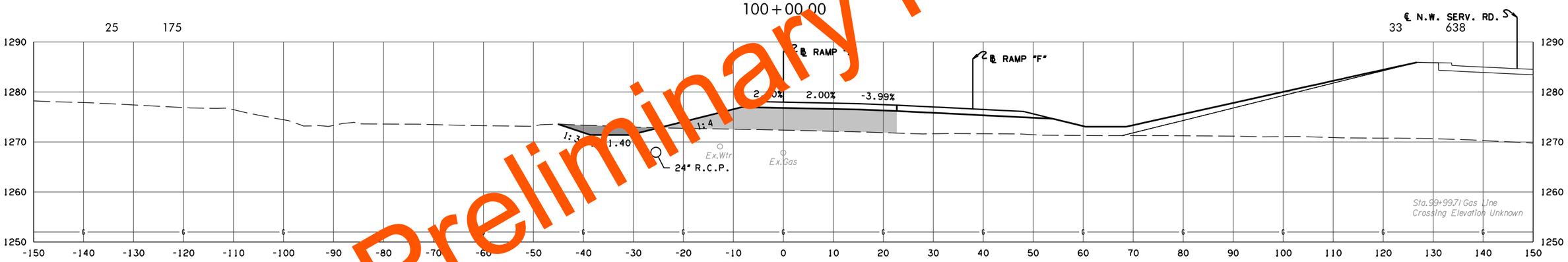
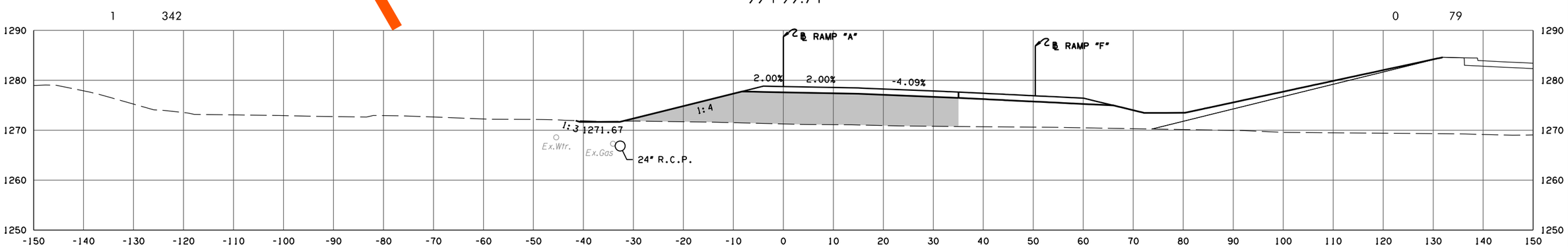


F.G. ELEV. = 1277.97
99+99.71



F.G. ELEV. = 1278.77
99+33.09

RAMP A

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X045

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

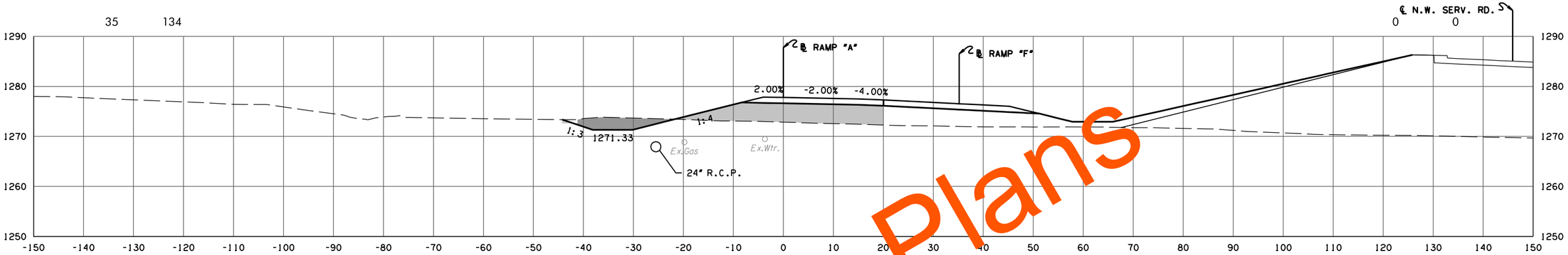
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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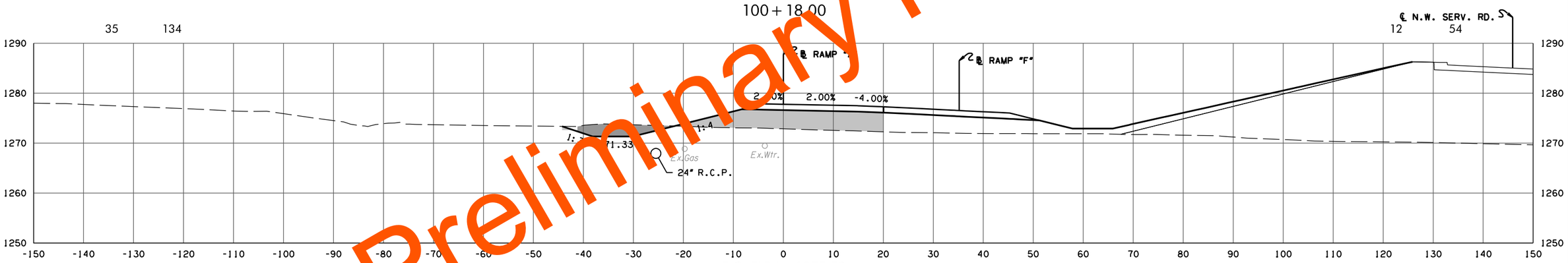

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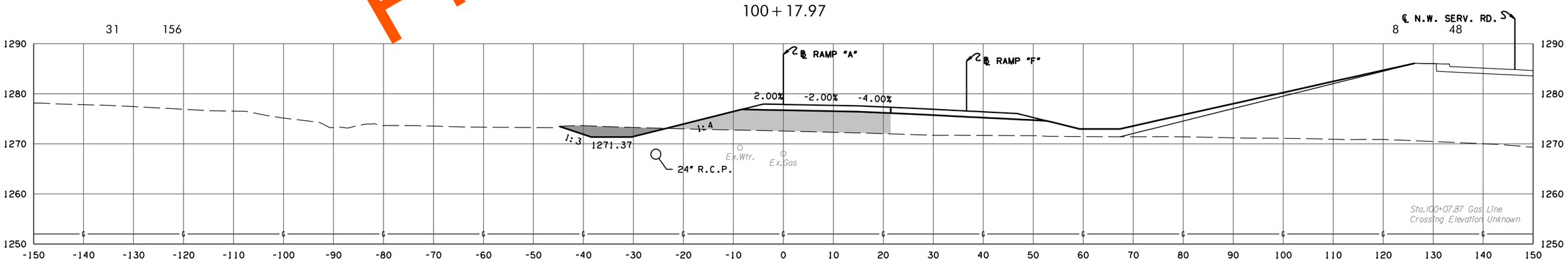

F.G. ELEV. = 1277.88

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RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X046

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

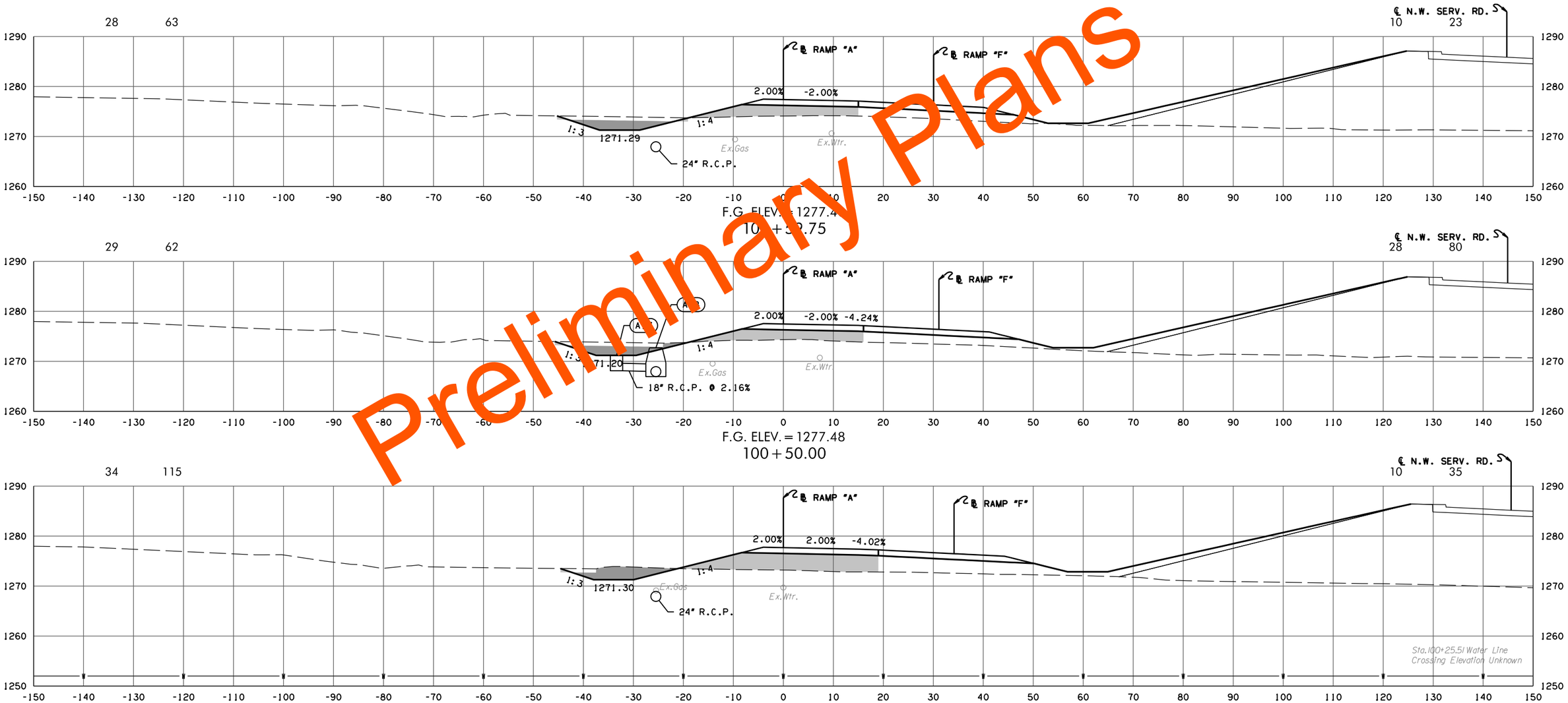
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



Preliminary Plans

RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X047

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

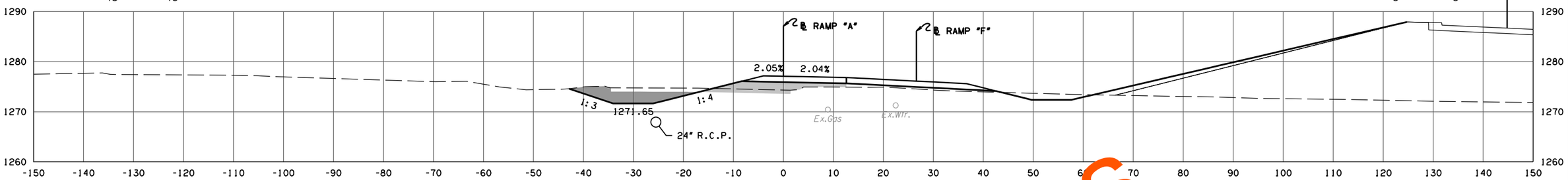
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT	FILL
45	43

VOLUME

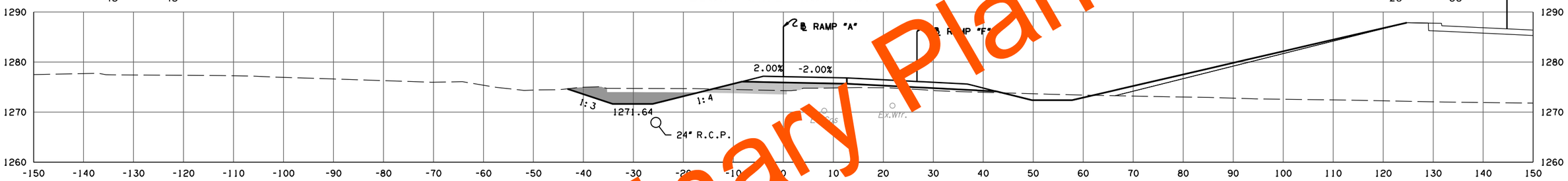
CUT	FILL
3	3



F.G. ELEV. = 1277.08
101+00.00
BEGIN SUPER ROTATION

CUT	FILL
45	45

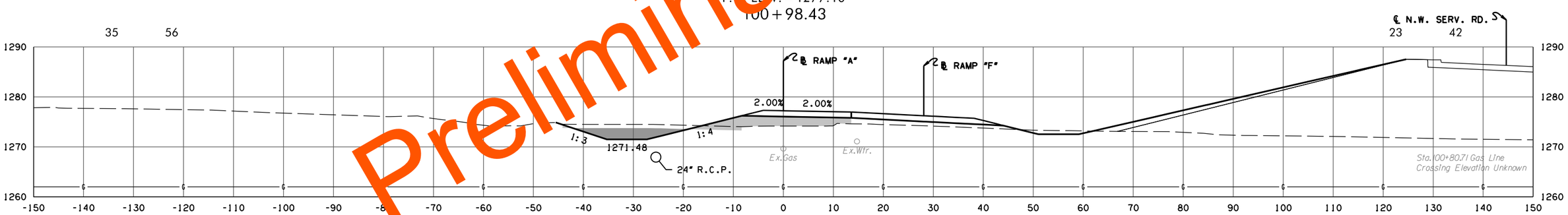
CUT	FILL
26	33



F.G. ELEV. = 1277.10
100+98.43

CUT	FILL
35	56

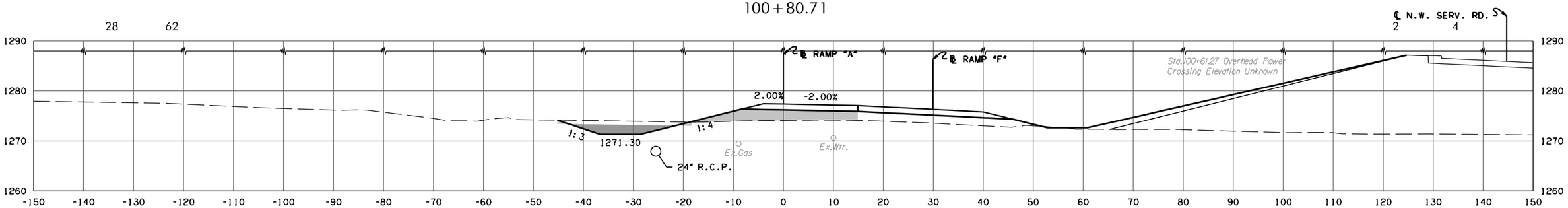
CUT	FILL
23	42



F.G. ELEV. = 1277.23
100+80.71

CUT	FILL
28	62

CUT	FILL
2	4



F.G. ELEV. = 1277.38
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RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X048

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

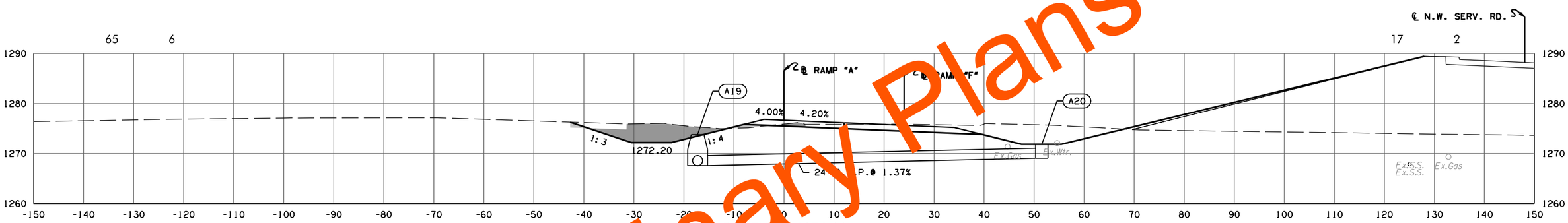
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

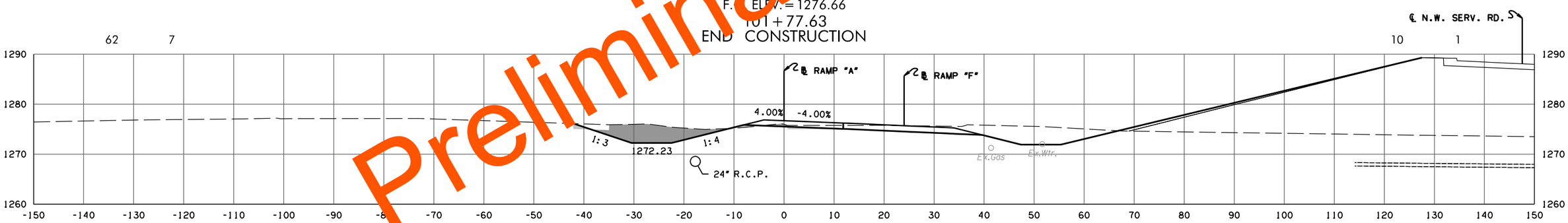
CUT FILL

VOLUME

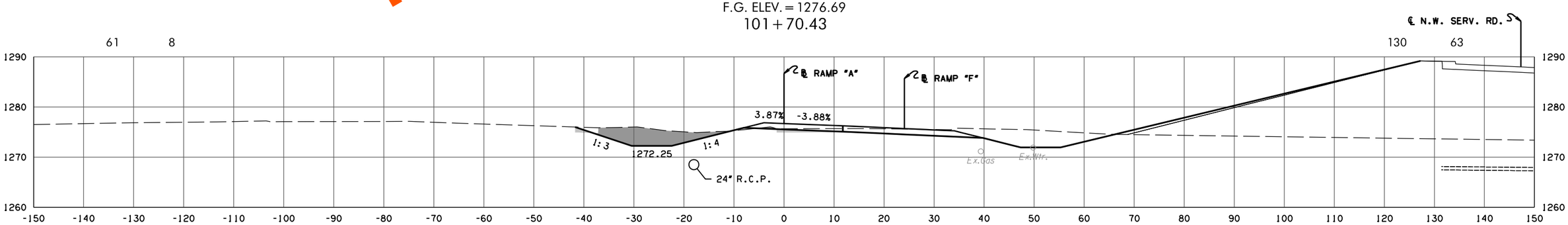
CUT FILL



F.G. ELEV. = 1276.66
101 + 77.63
END CONSTRUCTION



F.G. ELEV. = 1276.69
101 + 70.43



F.G. ELEV. = 1276.71
101 + 66.00

RAMP A

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X049

Preliminary Plans

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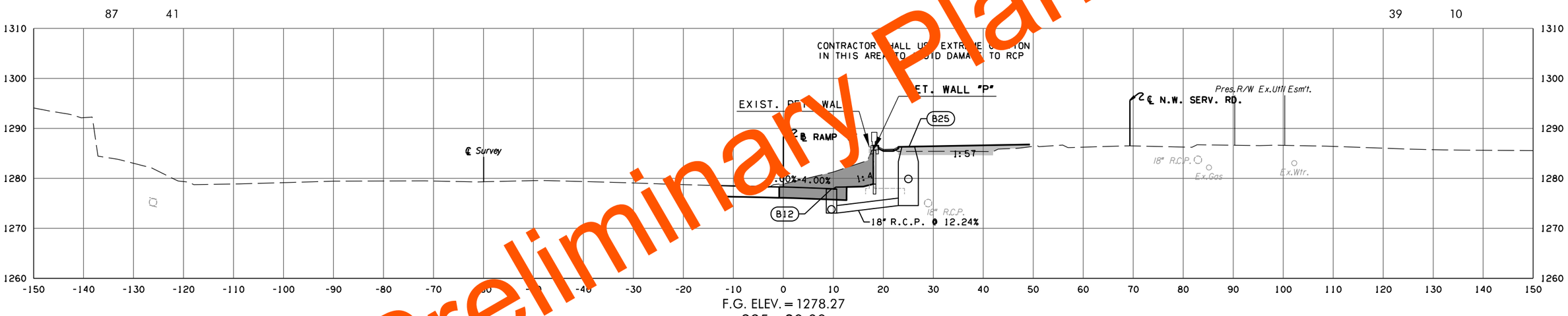
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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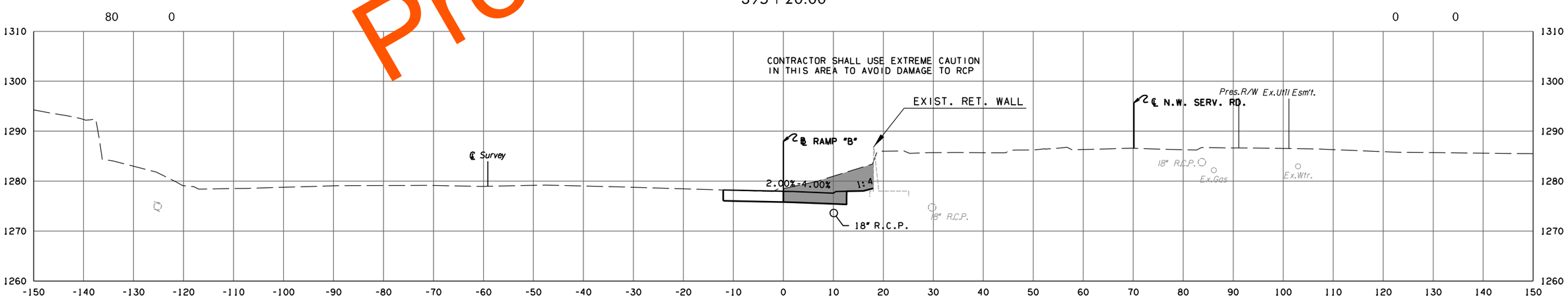

F.G. ELEV. = 1277.96
395 + 07.46
BEGIN CONSTRUCTION

RAMP B

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY
SHEET NO. X050

Preliminary Plans

5/27/2022 10:27:11 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

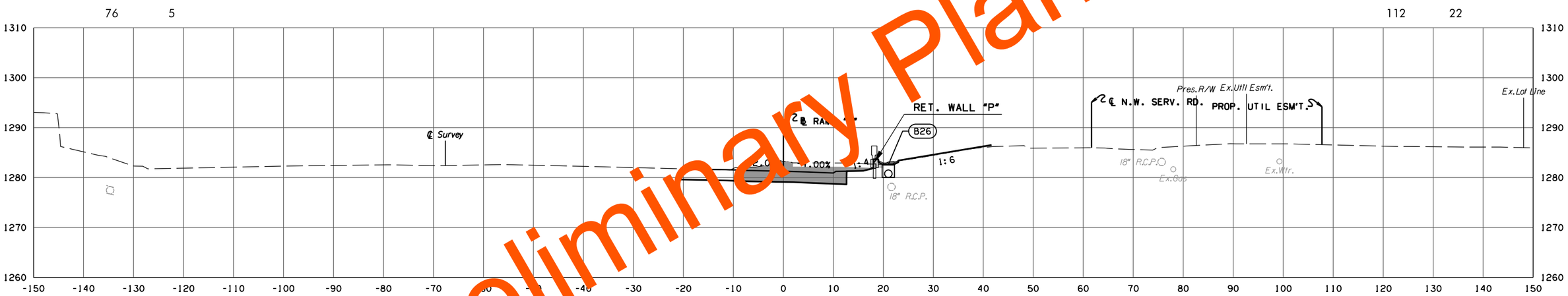
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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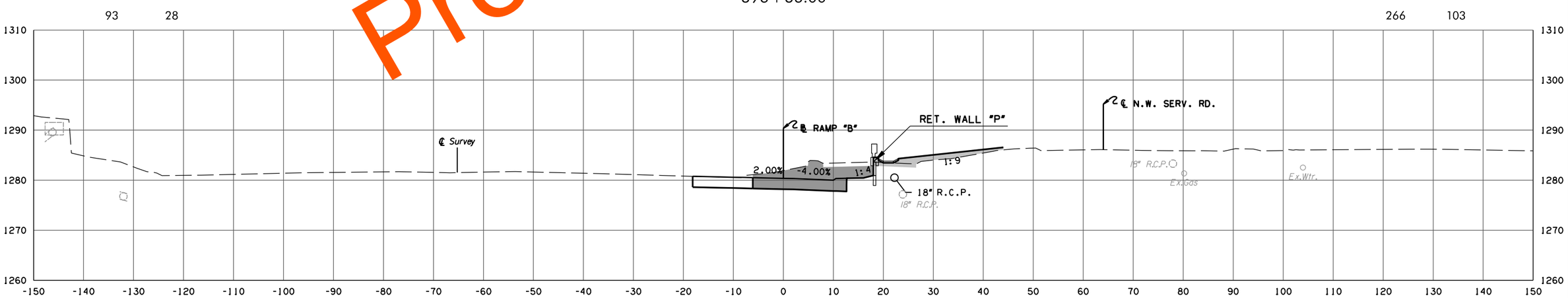

F.G. ELEV. = 1280.38

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RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X051

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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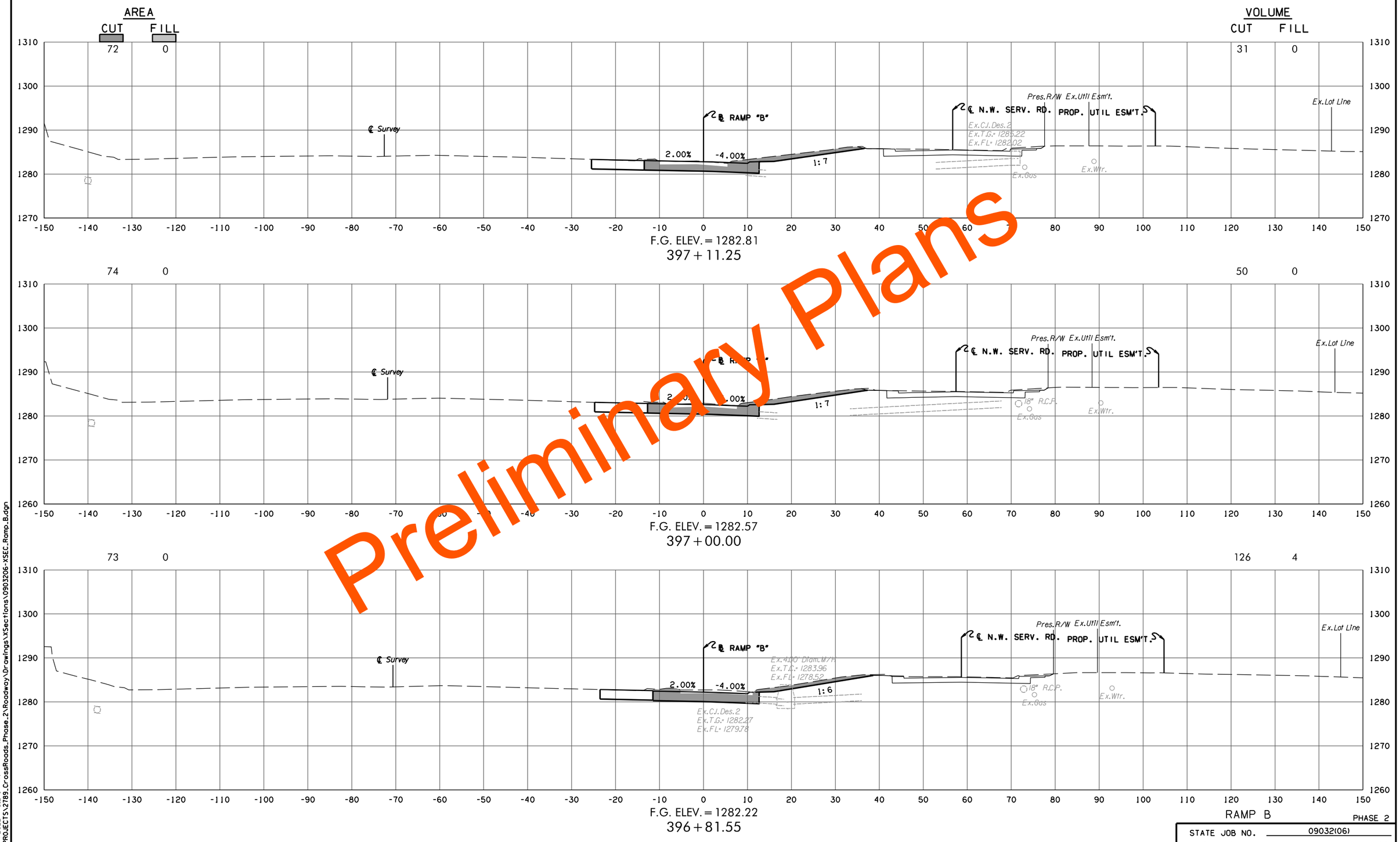
R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



Preliminary Plans

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X052

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

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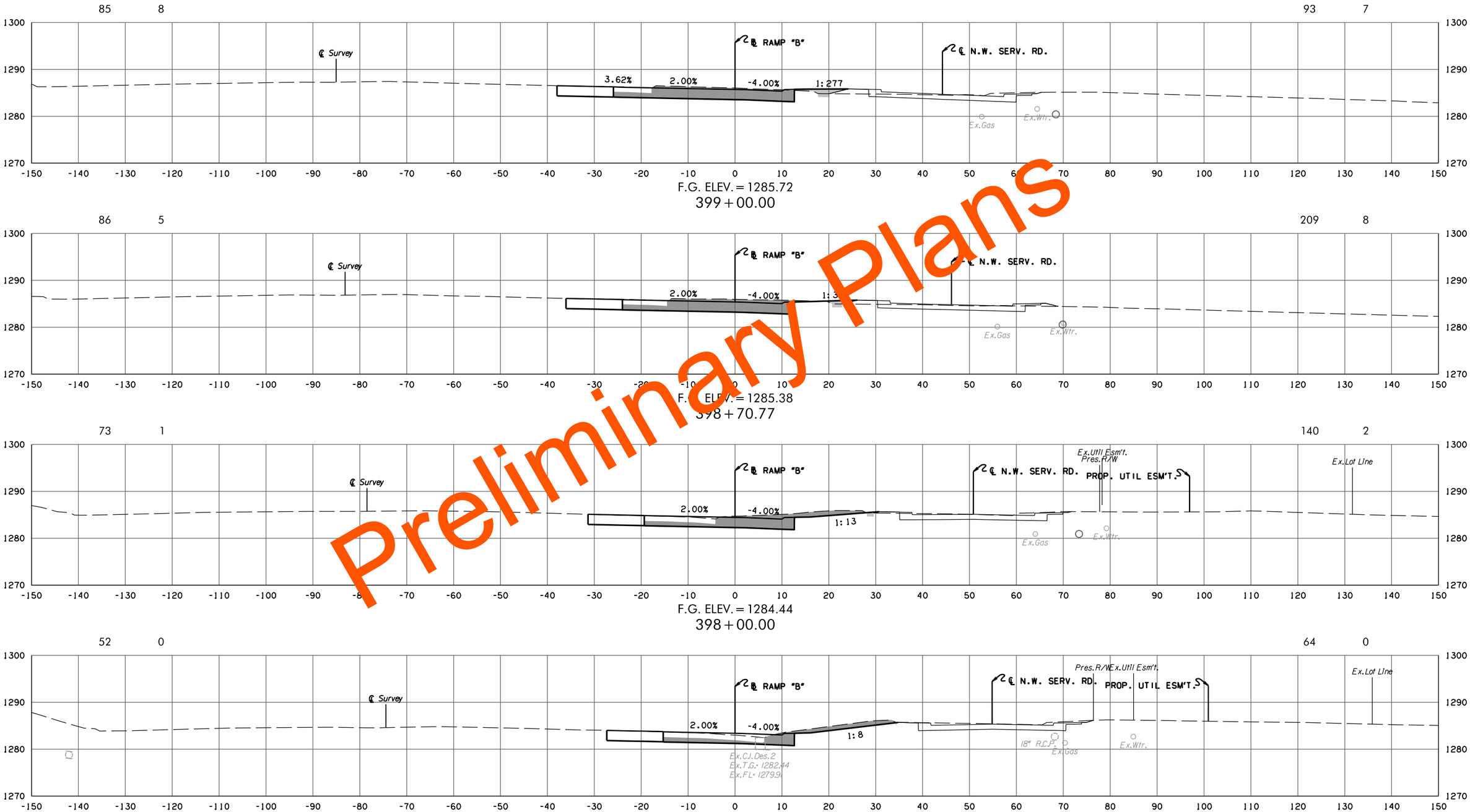
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA — CUT / FILL

VOLUME — CUT / FILL



RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X053

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

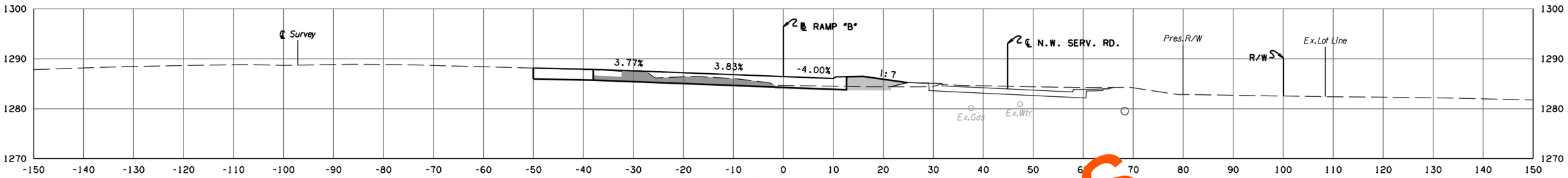
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT	FILL
48	28

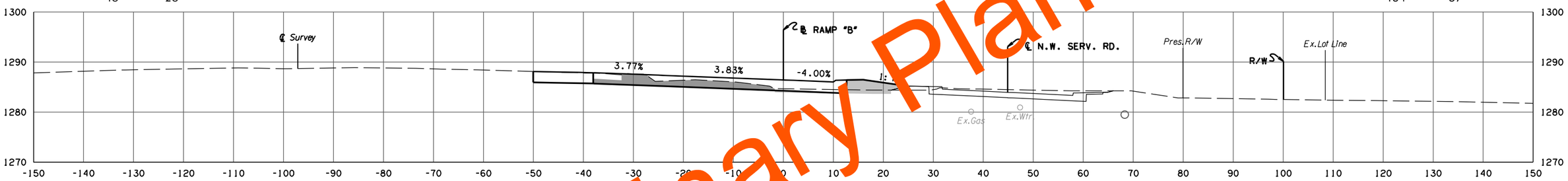
VOLUME

CUT	FILL
0	0



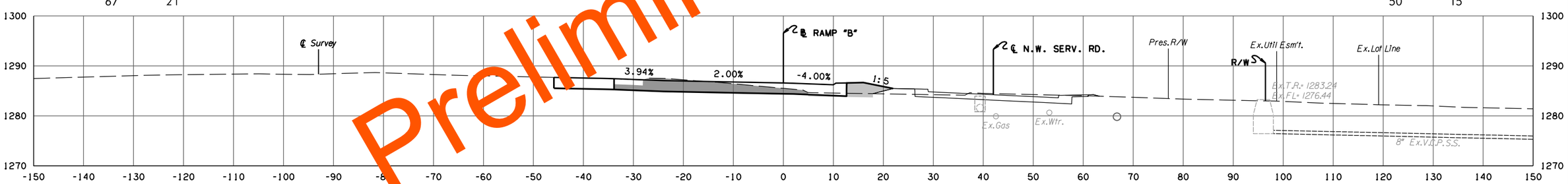
F.G. ELEV. = 1286.43
400 + 83.03

48 28 134 57



F.G. ELEV. = 1286.43
400 + 83.03

67 21 50 15



F.G. ELEV. = 1286.57
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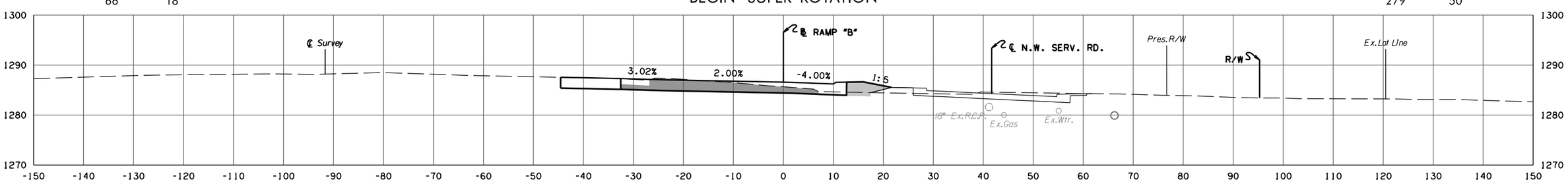
BEGIN SUPER ROTATION

66 18 279 50



F.G. ELEV. = 1286.58
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RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X054

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

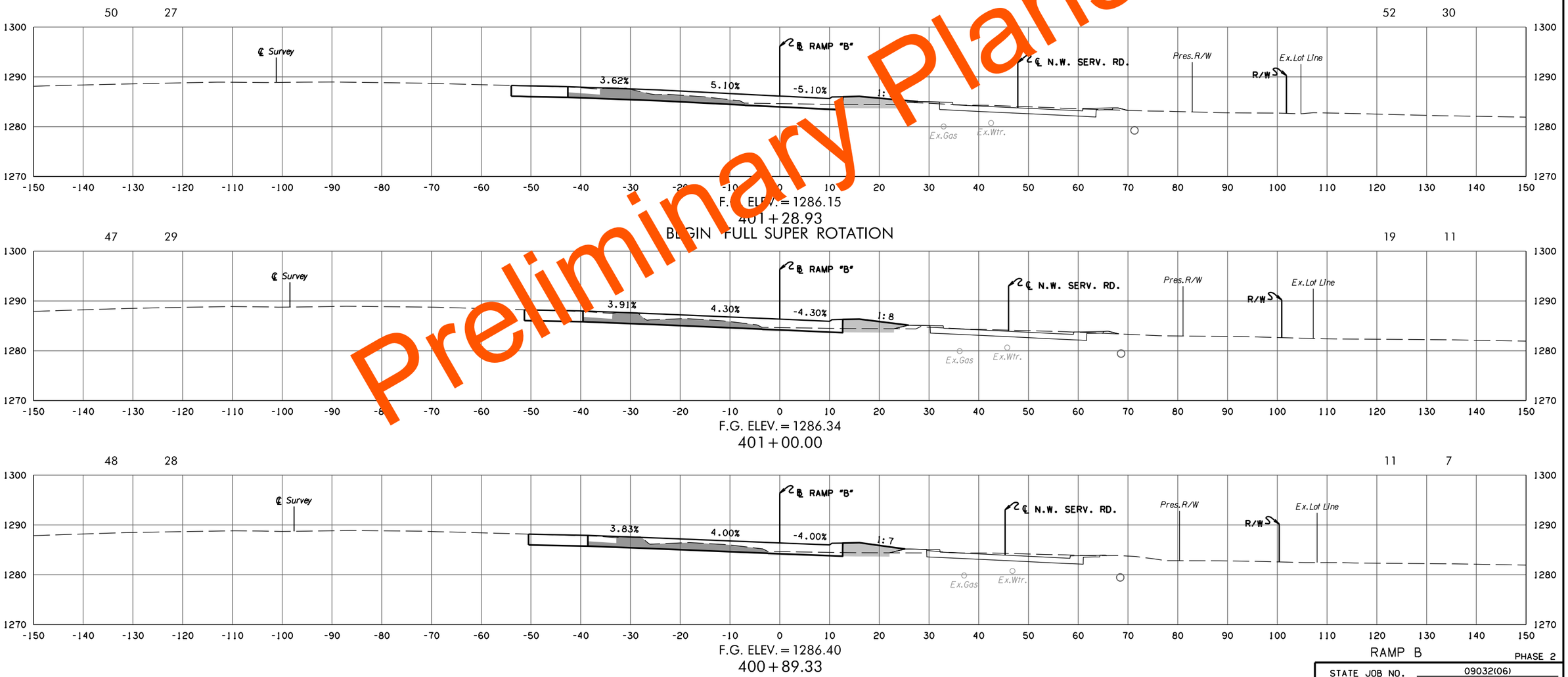
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



Preliminary Plans

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X055

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

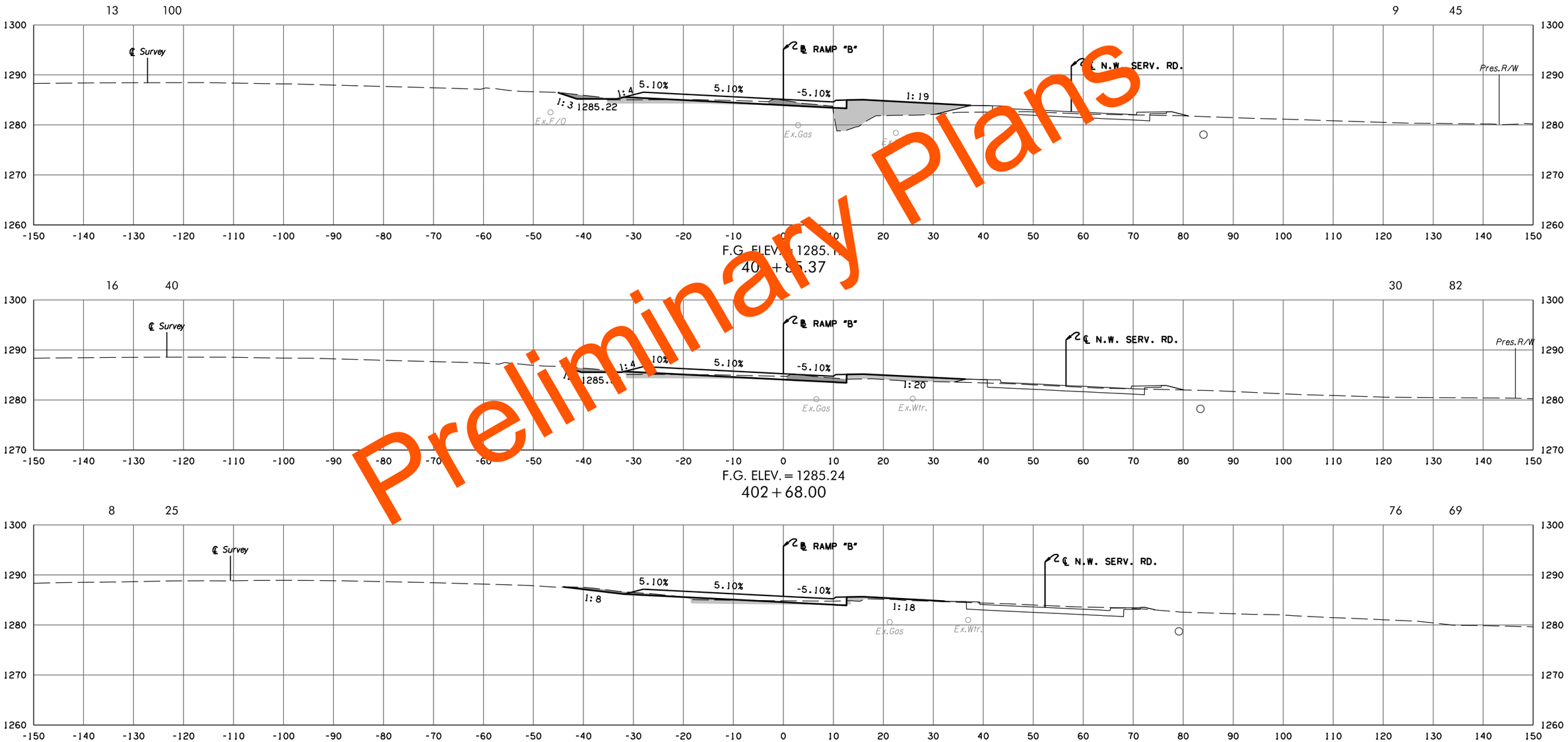
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



Preliminary Plans

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X056

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

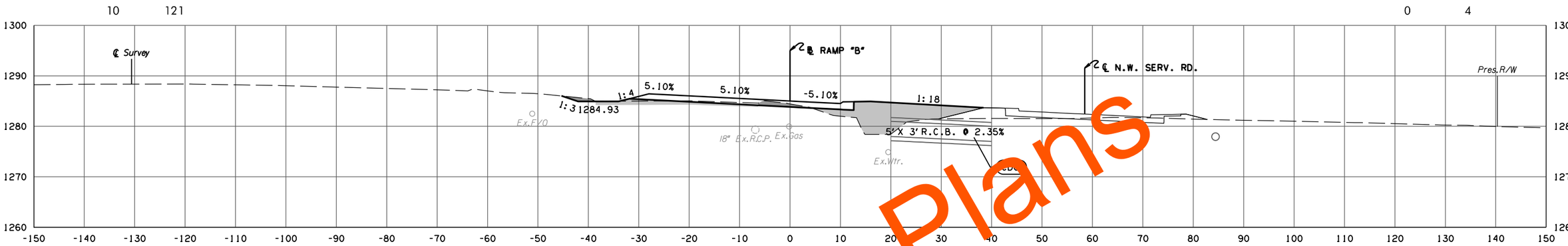
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

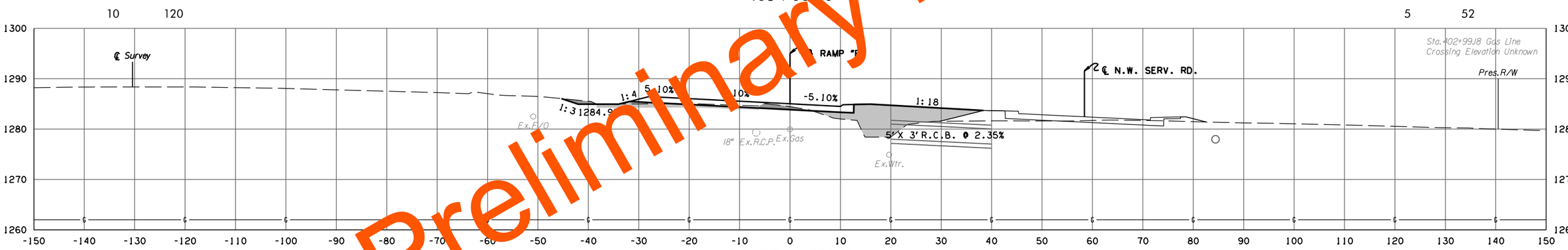
VOLUME

CUT FILL



F.G. ELEV. = 1285.0

403 + 00.00



F.G. ELEV. = 1285.02

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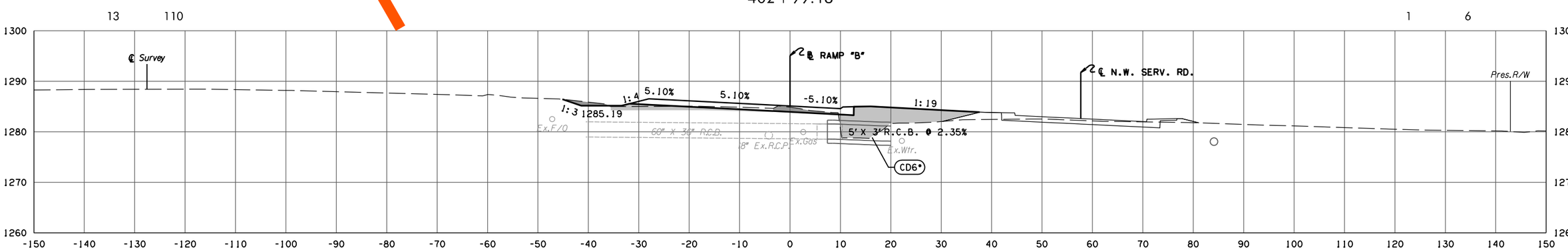

F.G. ELEV. = 1285.11

402 + 86.96

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X057

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

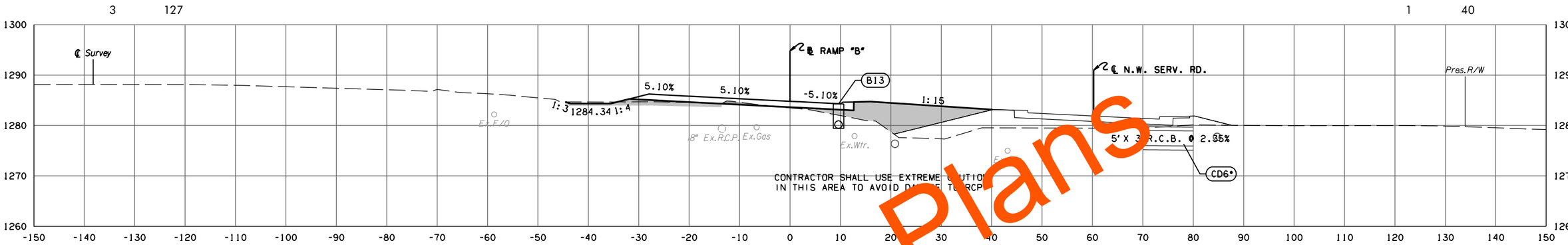
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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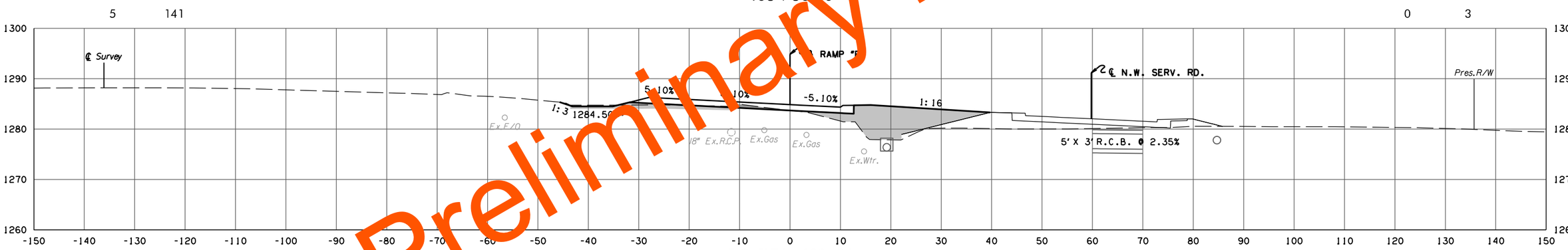
403 + 30.00



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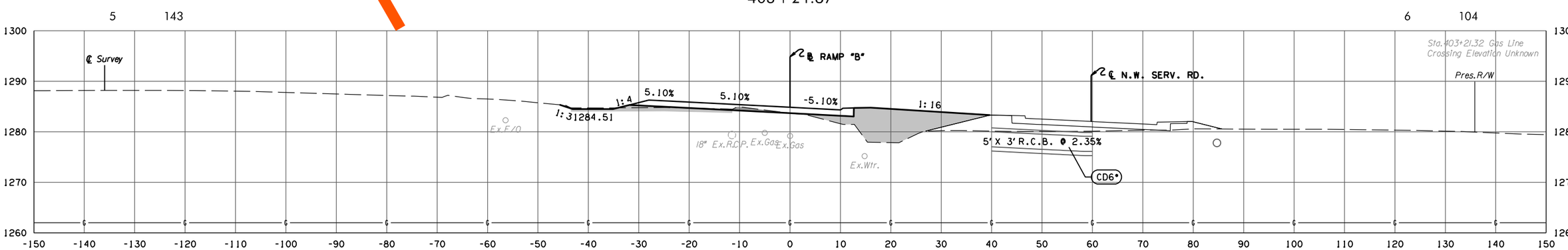

F.G. ELEV. = 1284.86

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RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X058

Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

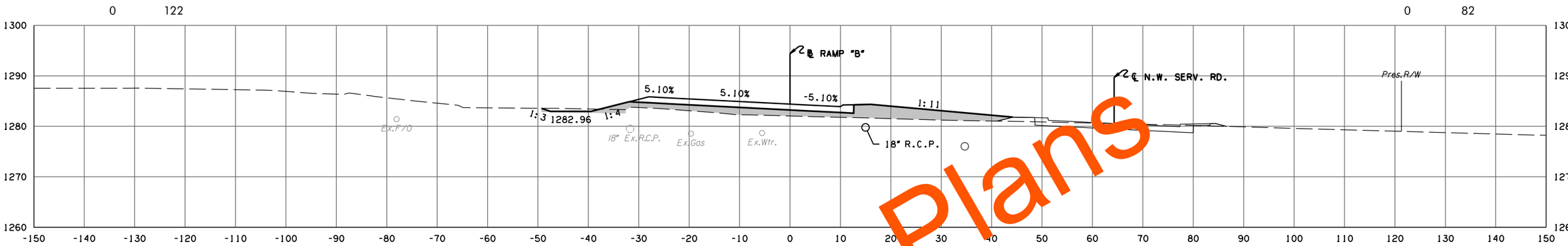
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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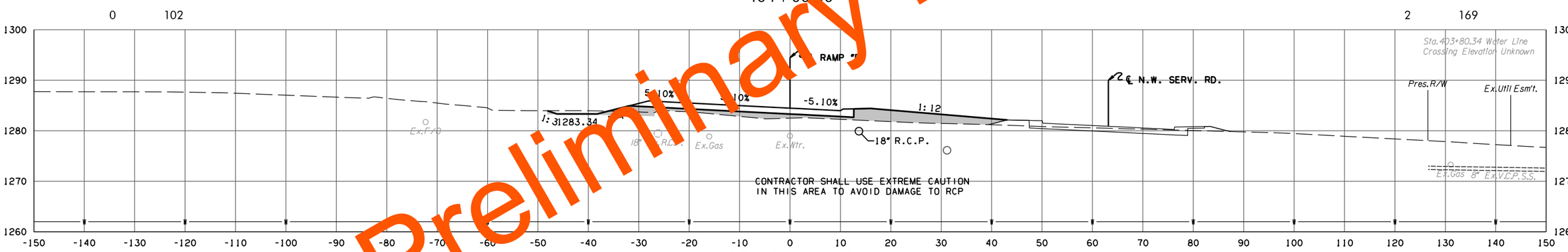

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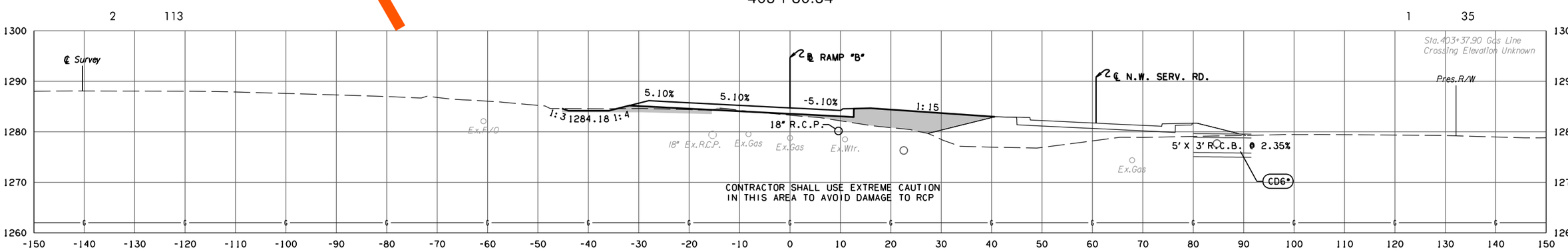
403 + 80.34



F.G. ELEV. = 1284.74

403 + 37.90

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X059

Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

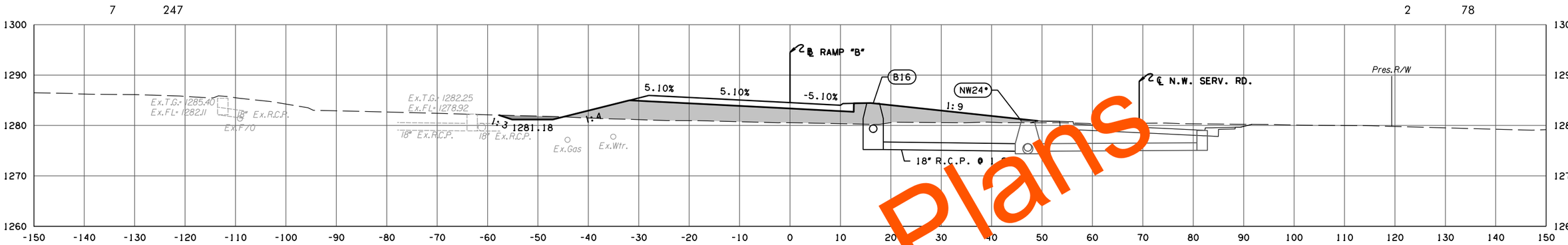
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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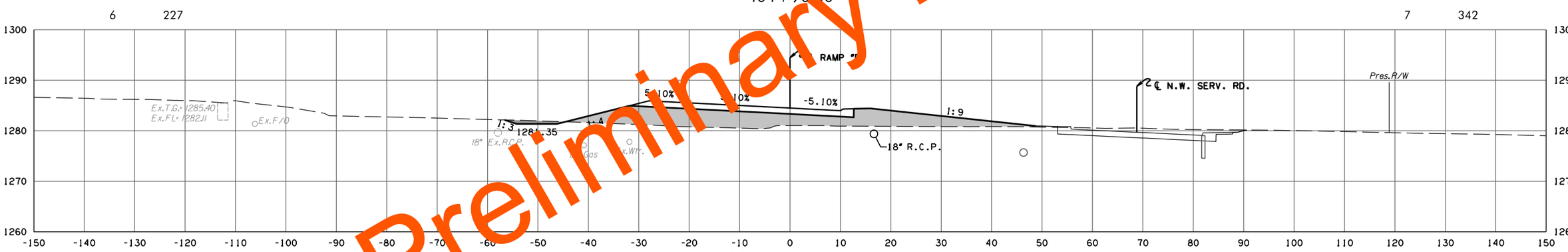
404 + 90.00



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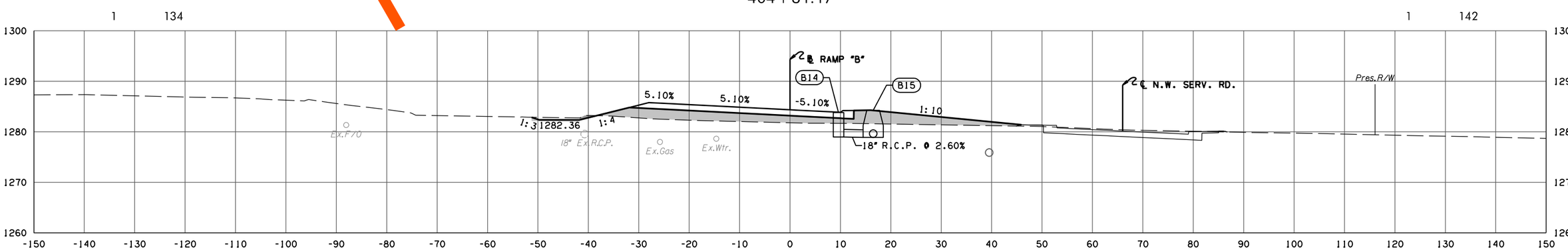

F.G. ELEV. = 1284.37

404 + 30.00

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X060

Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

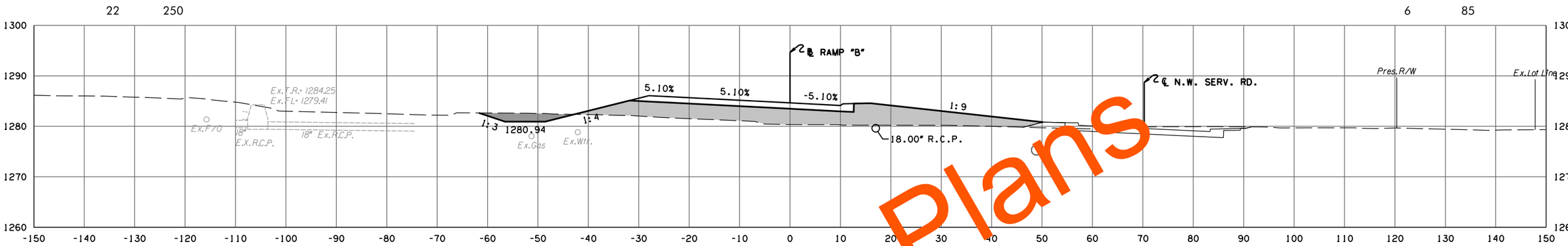
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

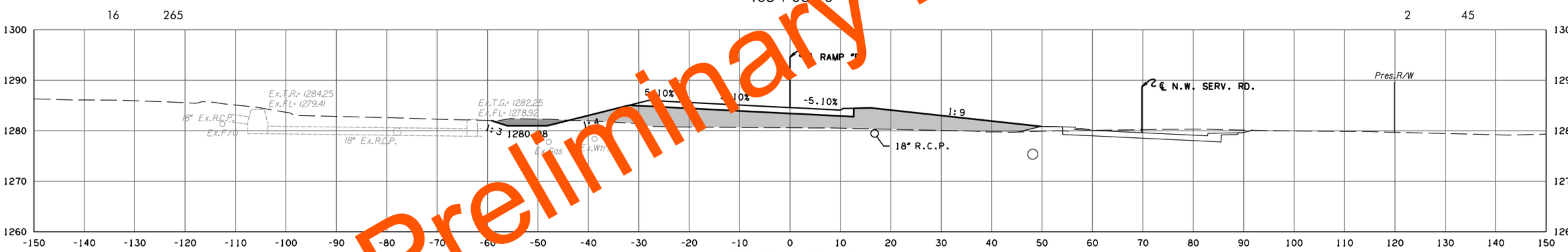
VOLUME

CUT FILL



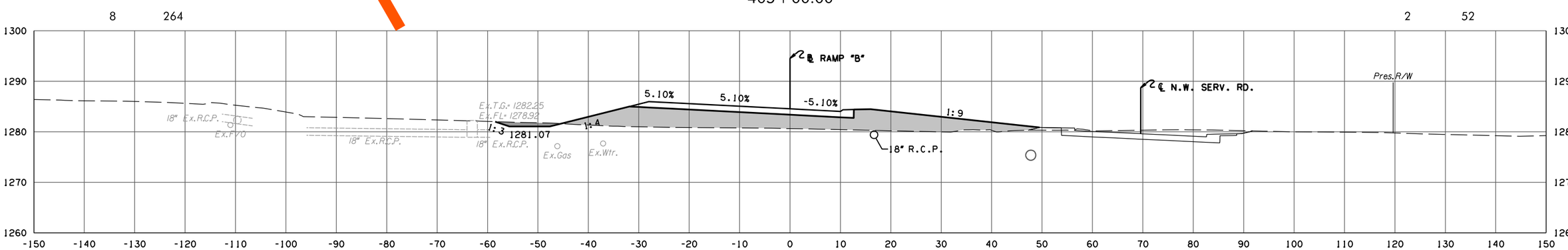
F.G. ELEV. = 1284.65

405 + 08.90



F.G. ELEV. = 1284.59

405 + 00.00



F.G. ELEV. = 1284.56

404 + 95.45

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X061

Preliminary Plans

5/27/2022 10:27:27 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

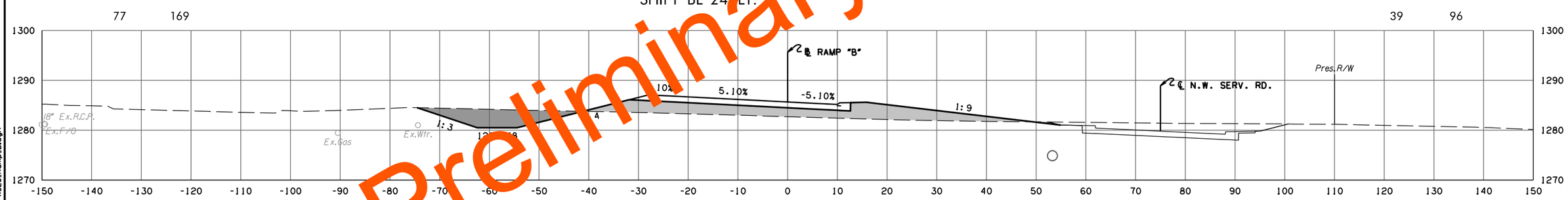
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

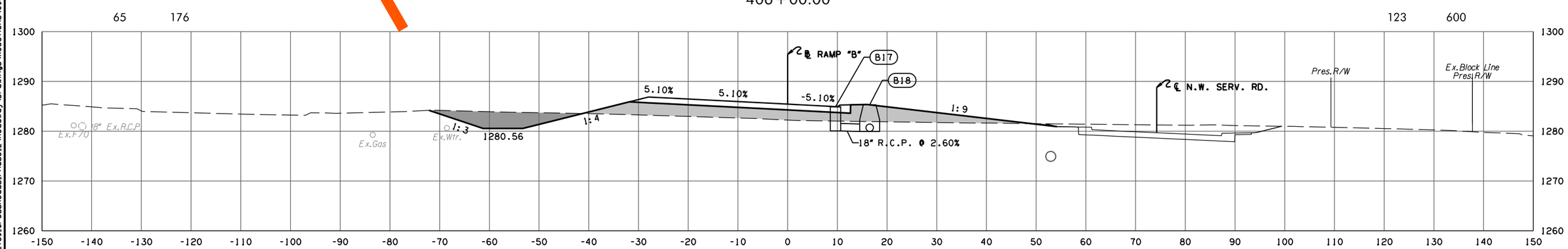
AREA
CUT FILL

VOLUME
CUT FILL

P.O.C. STA. 406+00.00 ~ BL RAMP "B" BK=
P.C. STA. 405+98.5[illegible] ~ BL RAMP "B" AHD
SHIFT BL 24' LT.



F.G. ELEV. = 1285.66
406+00.00



F.G. ELEV. = 1285.44
405+85.00

RAMP B

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X062

Preliminary Plans

5/27/2022 10:27:28 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST. NO.	ROAD	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

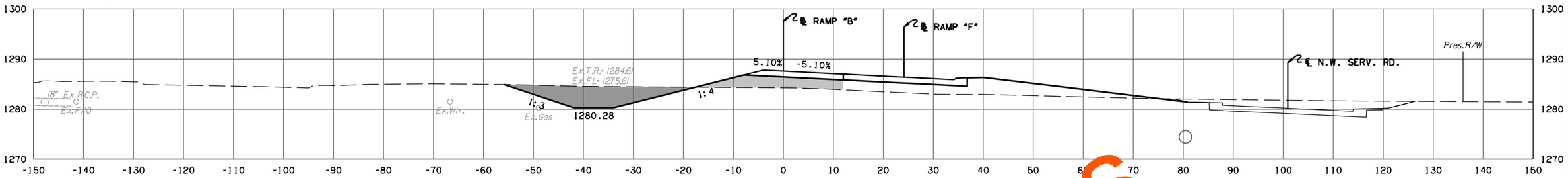
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT	FILL
98	55

VOLUME

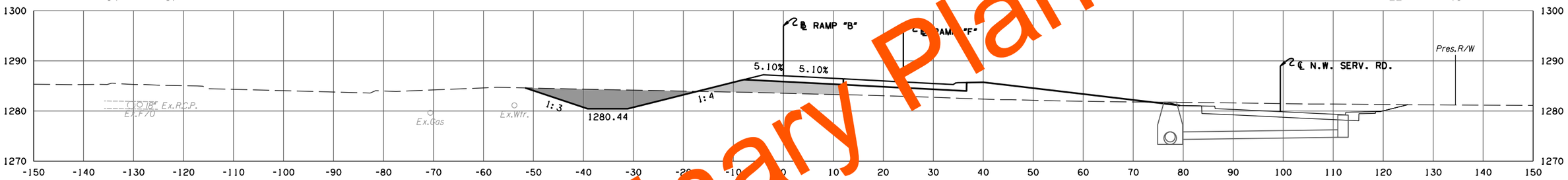
CUT	FILL
104	65



F.G. ELEV. = 1287.57
406 + 38.62
END FULL SUPER ROTATION

CUT	FILL
81	57

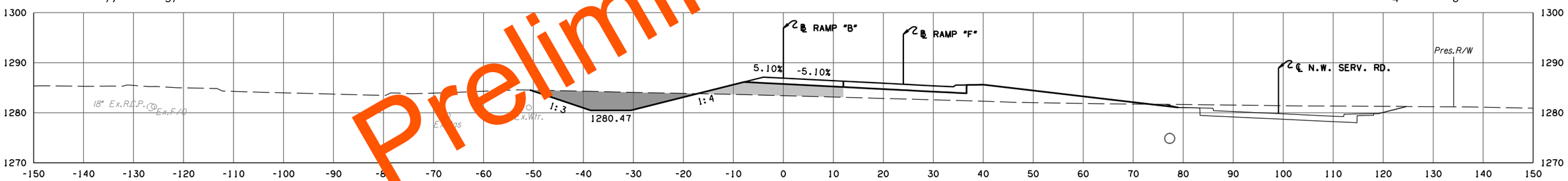
CUT	FILL
22	16



F.G. ELEV. = 1287.02
406 + 07.36

CUT	FILL
77	57

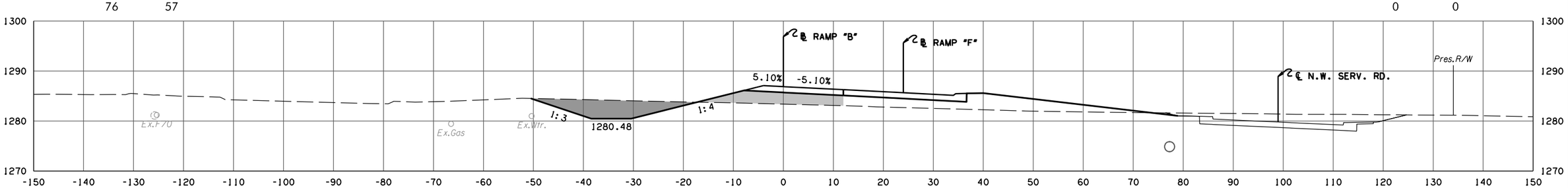
CUT	FILL
4	3



F.G. ELEV. = 1286.91
406 + 00.00

CUT	FILL
76	57

CUT	FILL
0	0



F.G. ELEV. = 1286.89
405 + 98.58

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X063

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

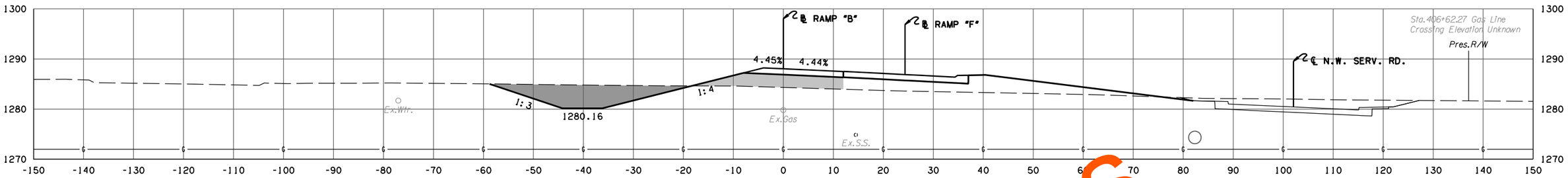
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT	FILL
112	64

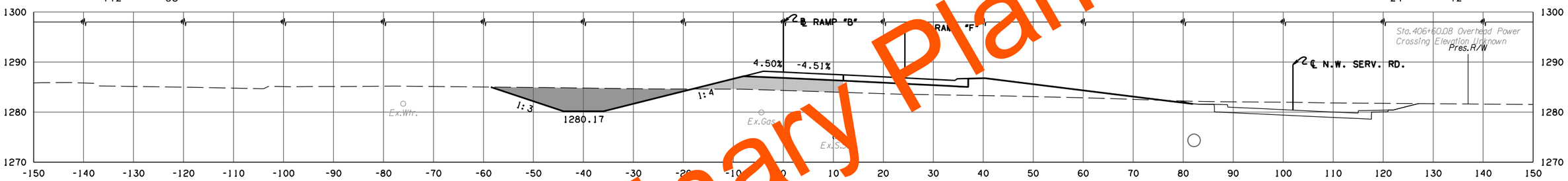
VOLUME

CUT	FILL
9	5



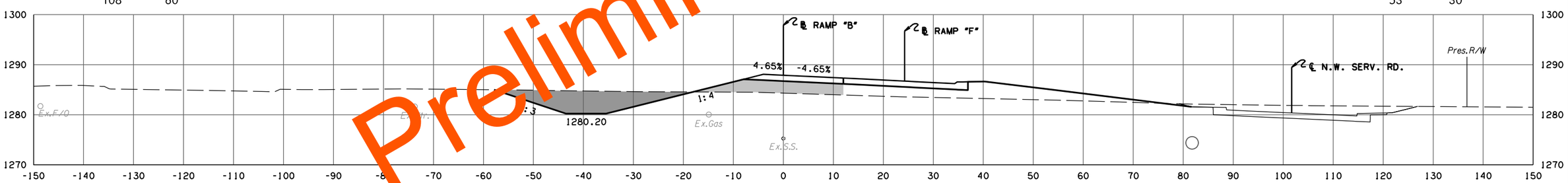
F.G. ELEV. = 1288.04
406 + 62.27

112 63 21 12



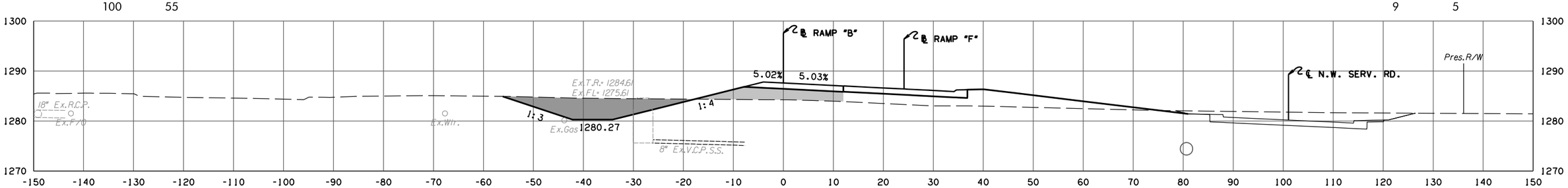
F.G. ELEV. = 1287.99
406 + 60.08

108 60 53 30



F.G. ELEV. = 1287.89
406 + 54.88

100 55 9 5



F.G. ELEV. = 1287.61
406 + 41.02

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X064

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

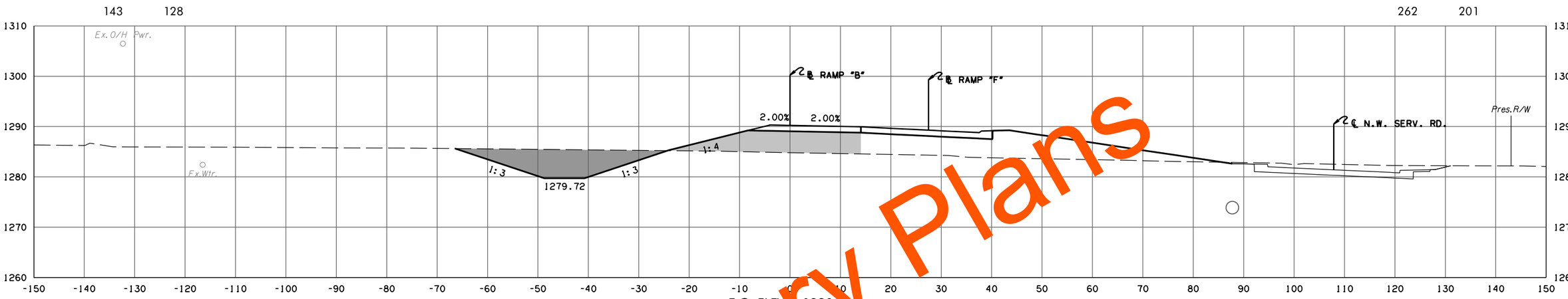
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

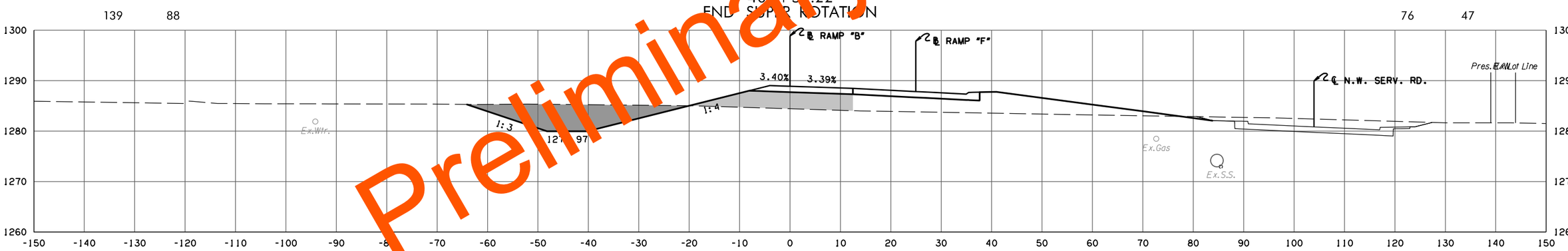
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

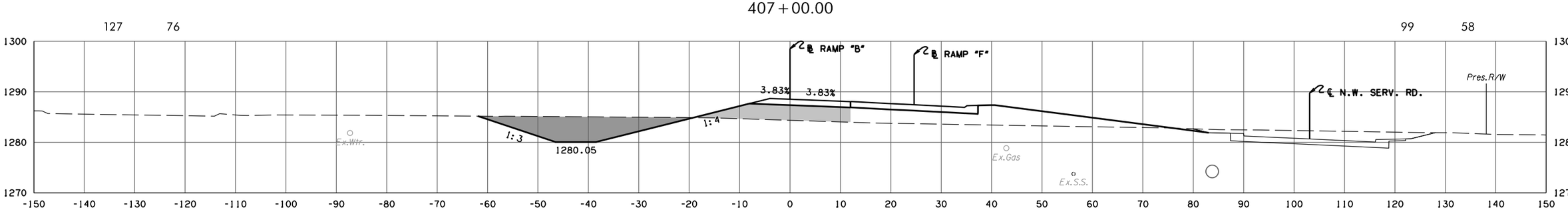
VOLUME
CUT FILL



F.G. ELEV. = 1290.2
40 + 50.22
END SUPER ROTATION



F.G. ELEV. = 1288.89
407 + 00.00



F.G. ELEV. = 1288.53
406 + 84.52

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X065

Preliminary Plans

5/27/2022 10:27:32 AM
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R/W & U/E PURCHASED UNDER JP 09032(05)

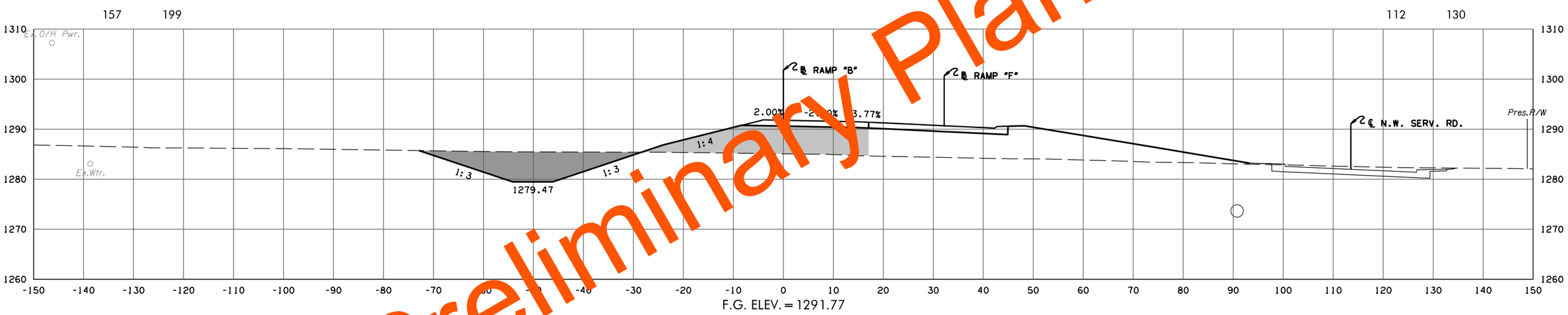
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

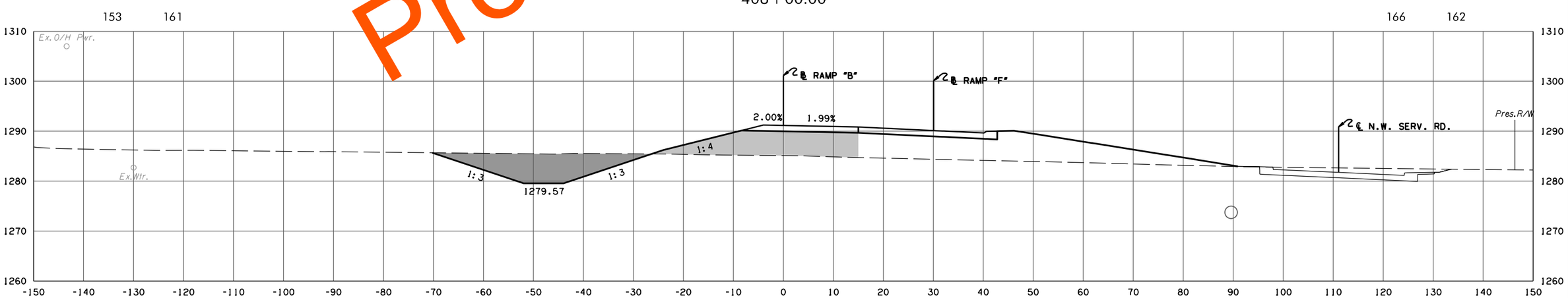
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1291.77
408 + 00.00



F.G. ELEV. = 1291.14
407 + 80.51

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X066

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

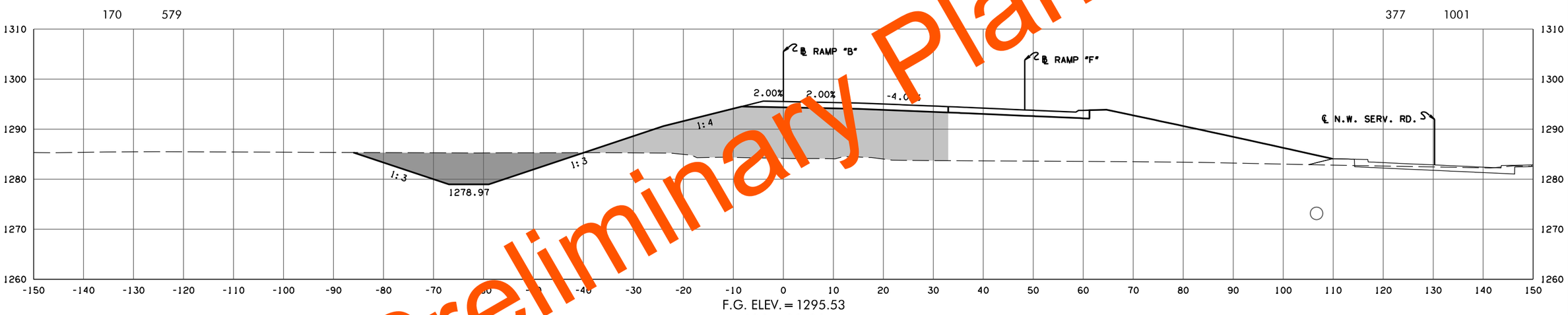
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

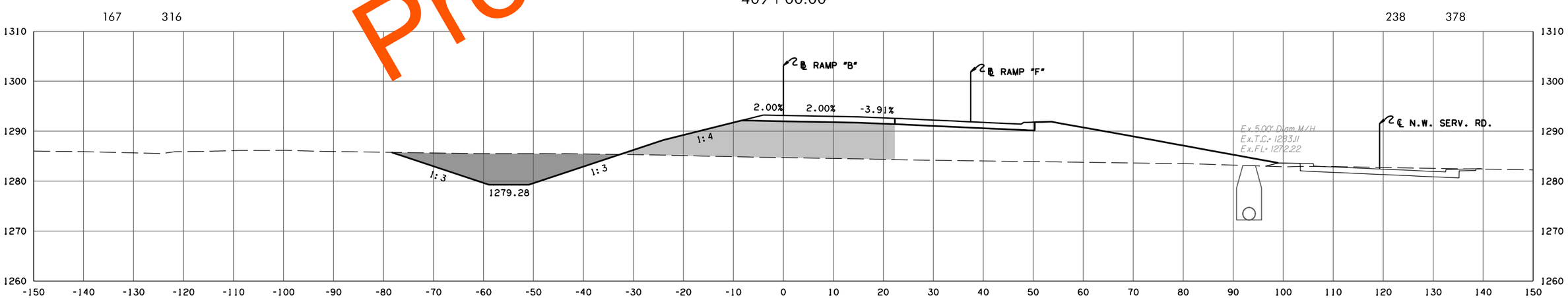
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1295.53
409 + 00.00



F.G. ELEV. = 1293.16
408 + 39.62

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X067

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

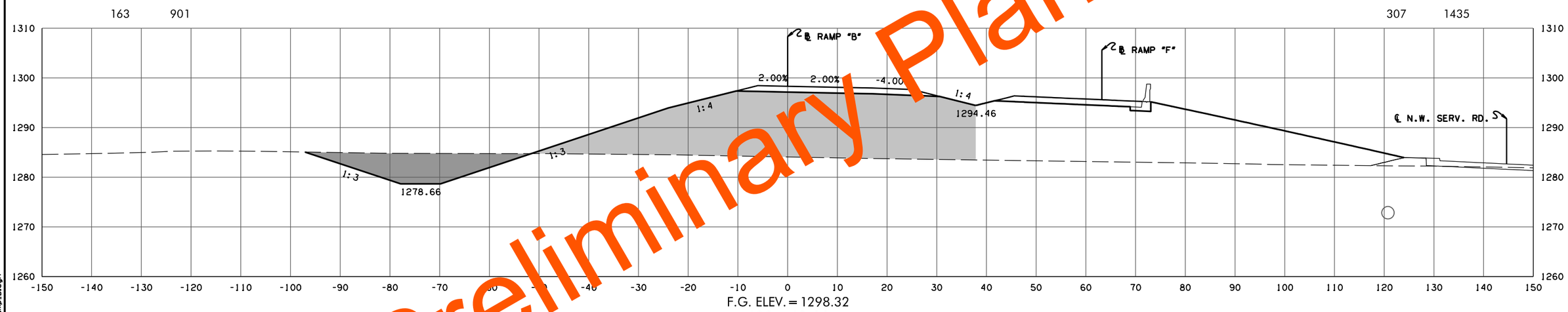
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

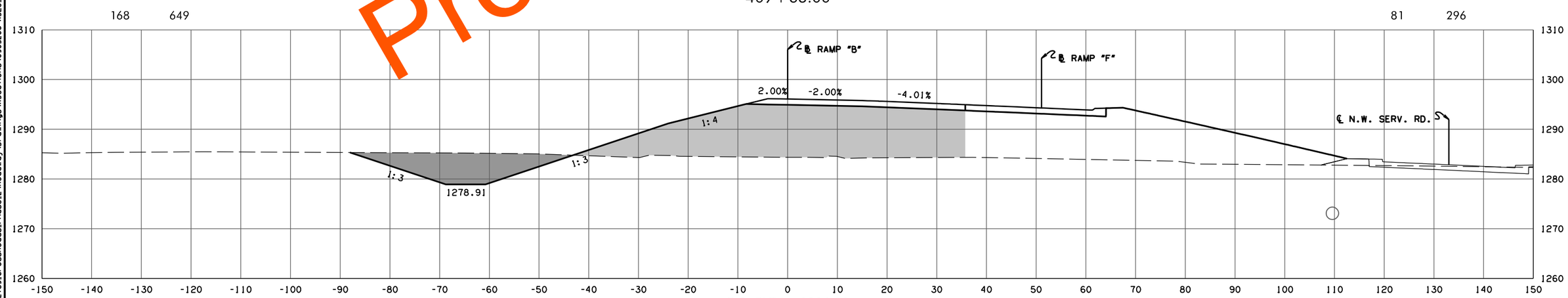
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1298.32
409 + 63.00



F.G. ELEV. = 1296.08
409 + 13.00

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X068

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

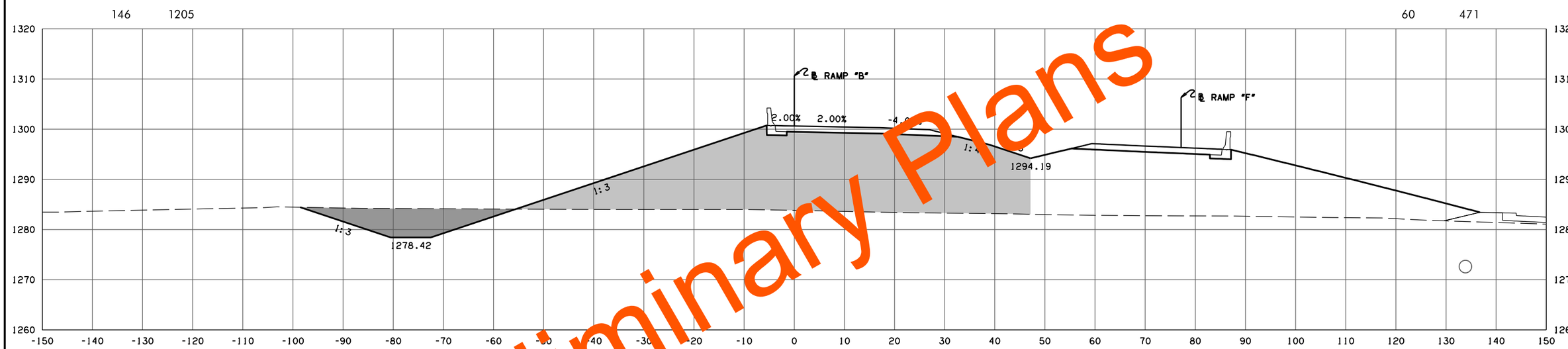
POE & ASSOCIATES, OKLAHOMA CITY, OK.

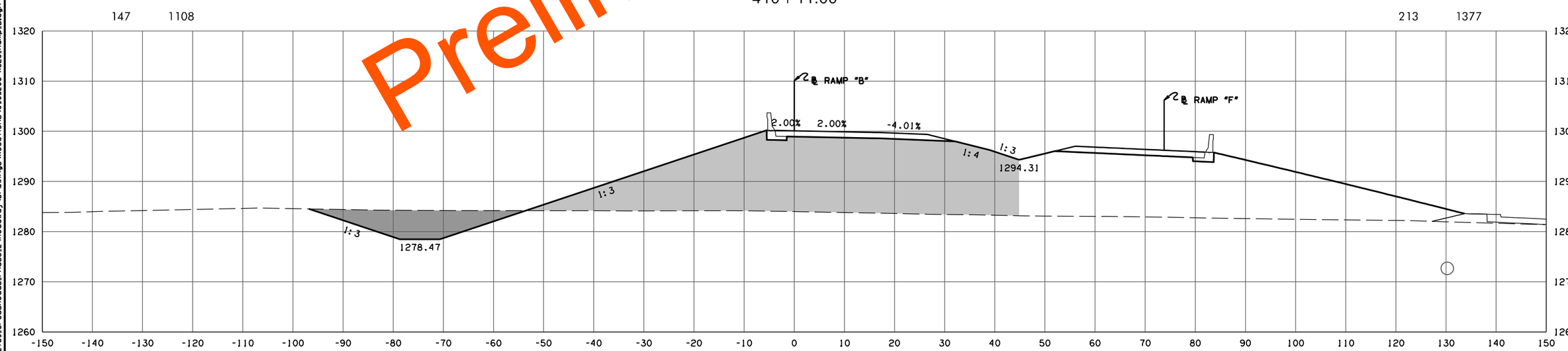
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL





Preliminary Plans

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X069

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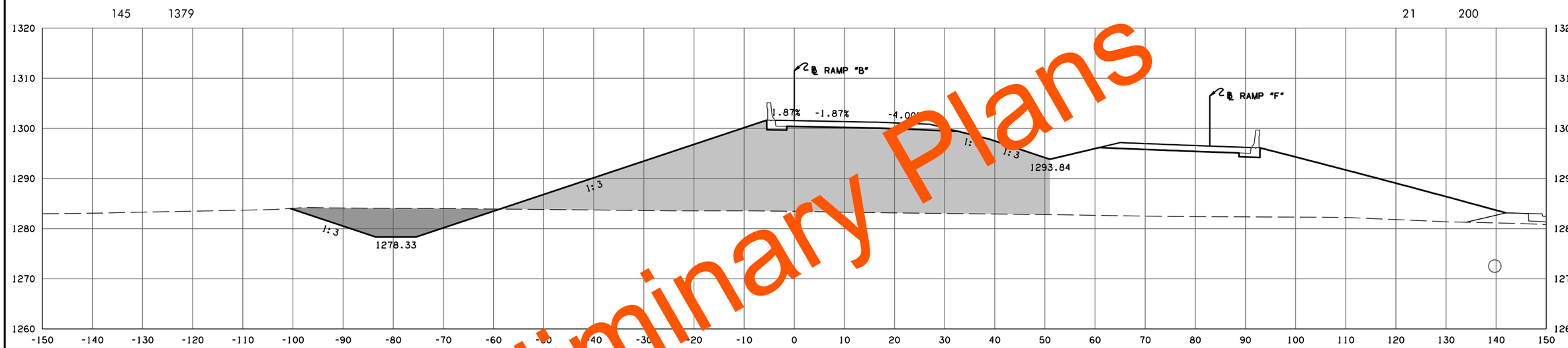
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

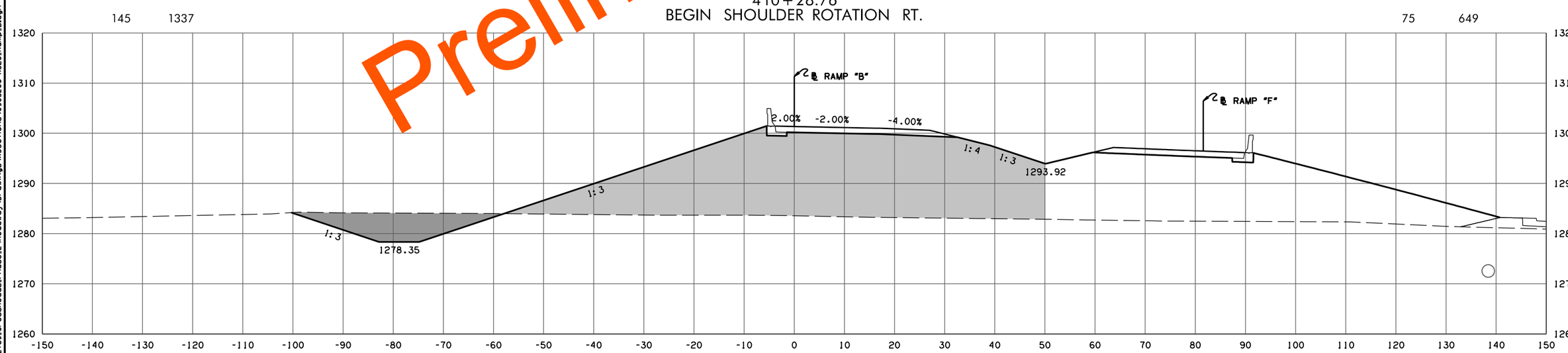
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1301.55
410+28.76
BEGIN SHOULDER ROTATION RT.



F.G. ELEV. = 1301.35
410+24.79
BEGIN SUPER ROTATION

RAMP B

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X070

Preliminary Plans

5/27/2022 10:27:39 AM
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R/W & U/E PURCHASED UNDER JP 09032(05)

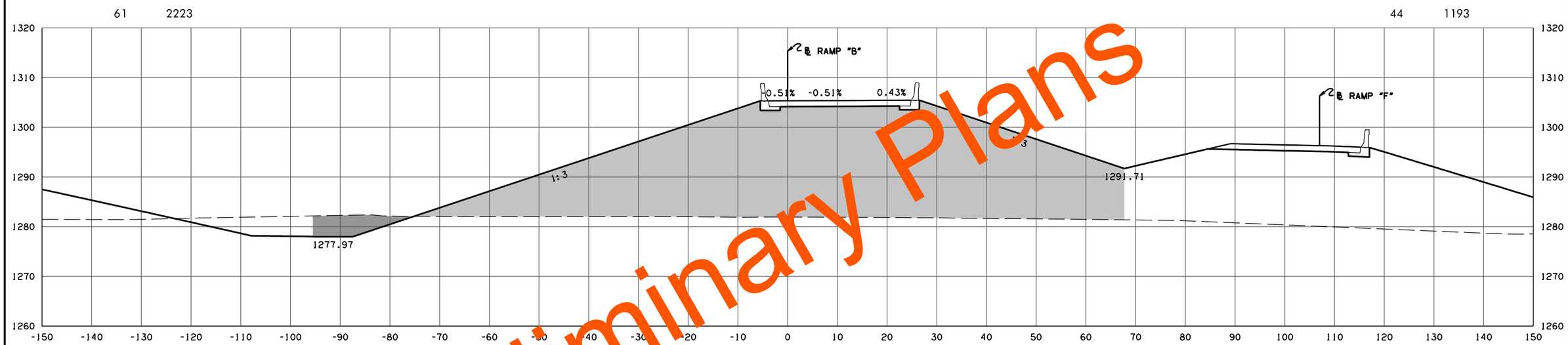
POE & ASSOCIATES, OKLAHOMA CITY, OK.

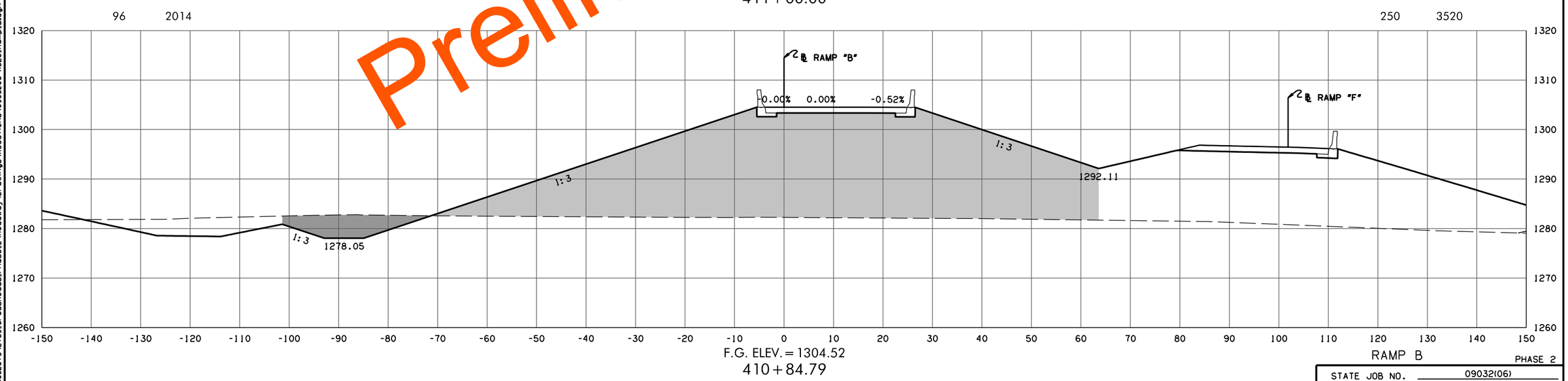
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL





Preliminary Plans

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X071

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

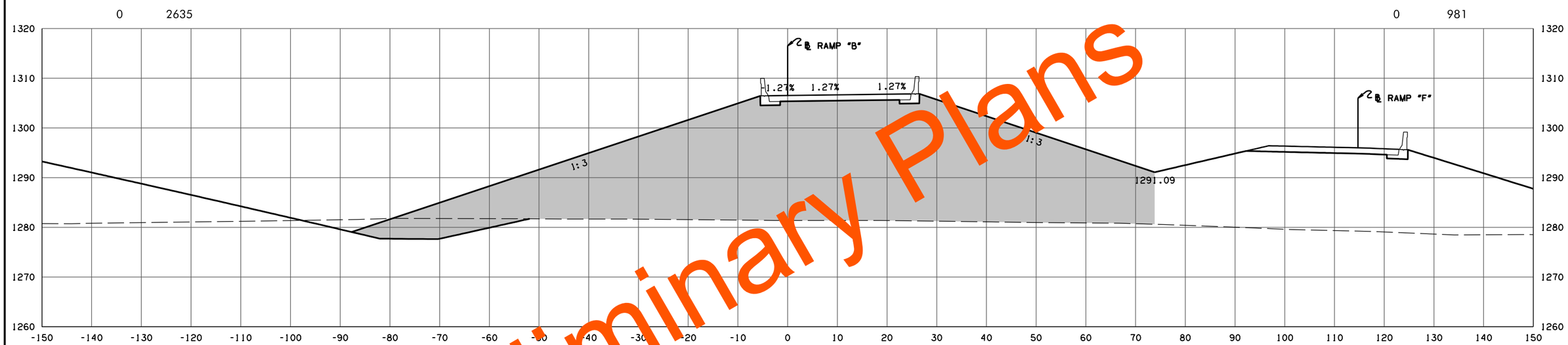
POE & ASSOCIATES, OKLAHOMA CITY, OK.

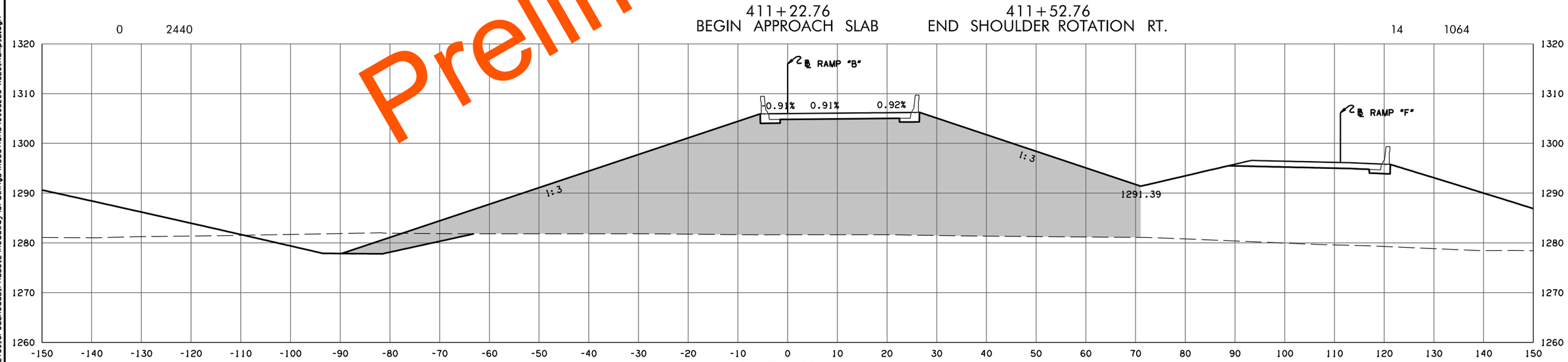
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL





Preliminary Plans

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X072

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

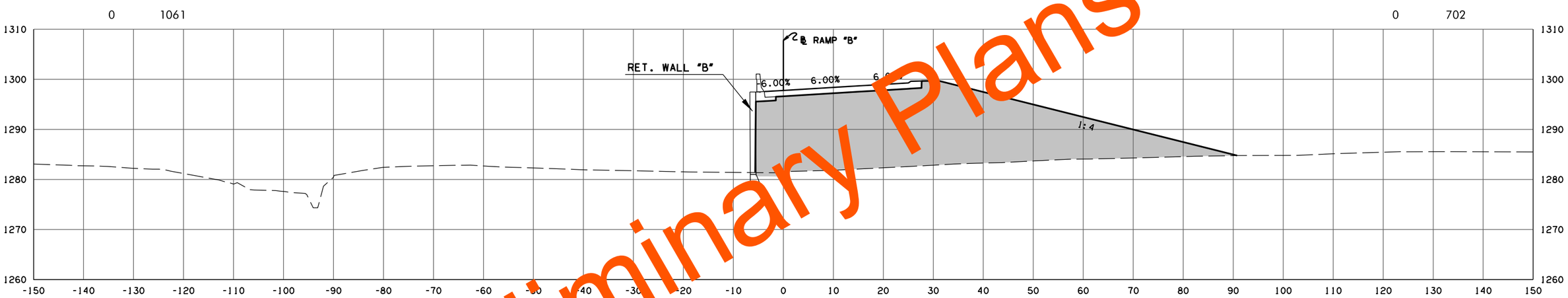
POE & ASSOCIATES, OKLAHOMA CITY, OK.

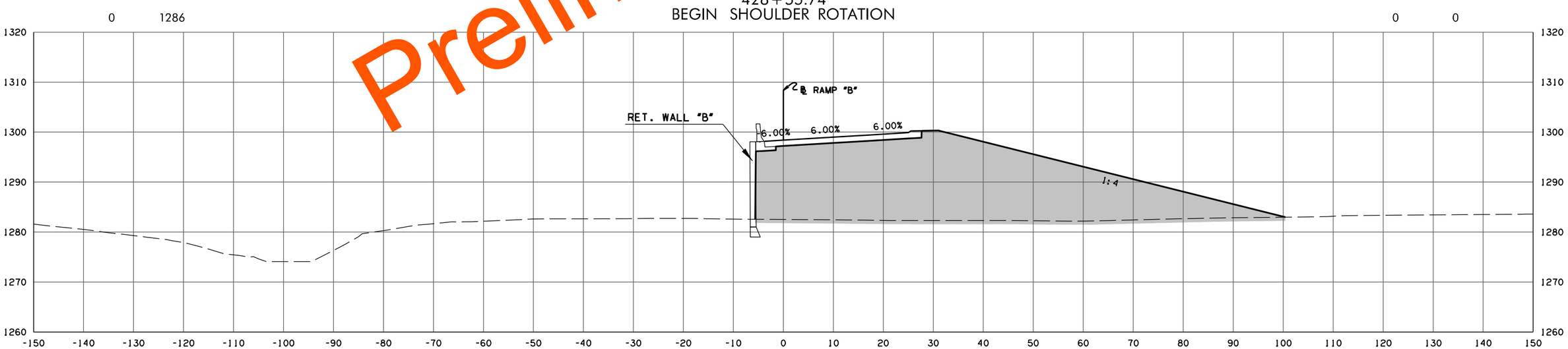
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL





Preliminary Plans

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X073

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

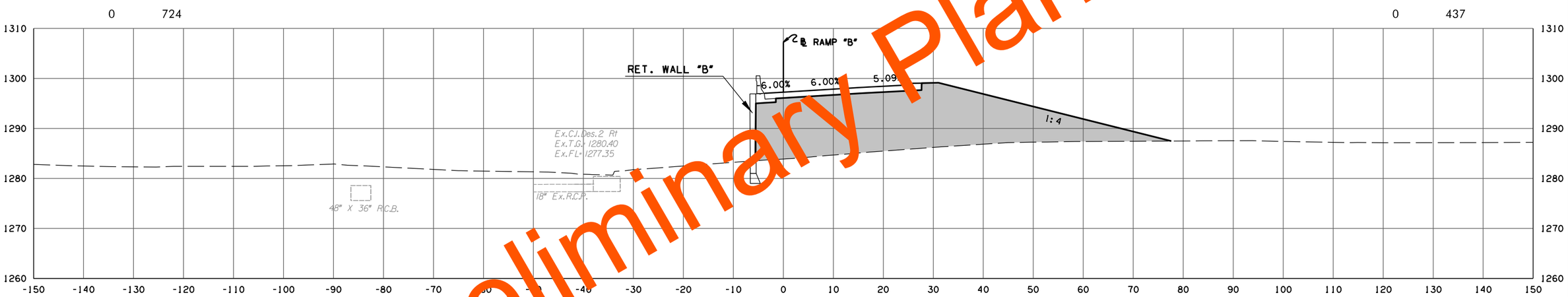
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

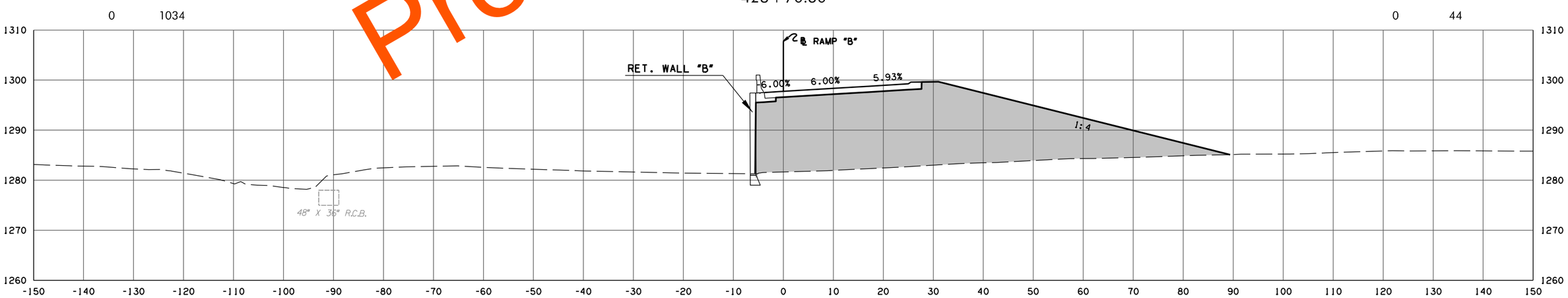
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1297.26
428 + 70.30



F.G. ELEV. = 1297.75
428 + 56.88

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X074

Preliminary Plans

5/27/2022 10:27:58 AM
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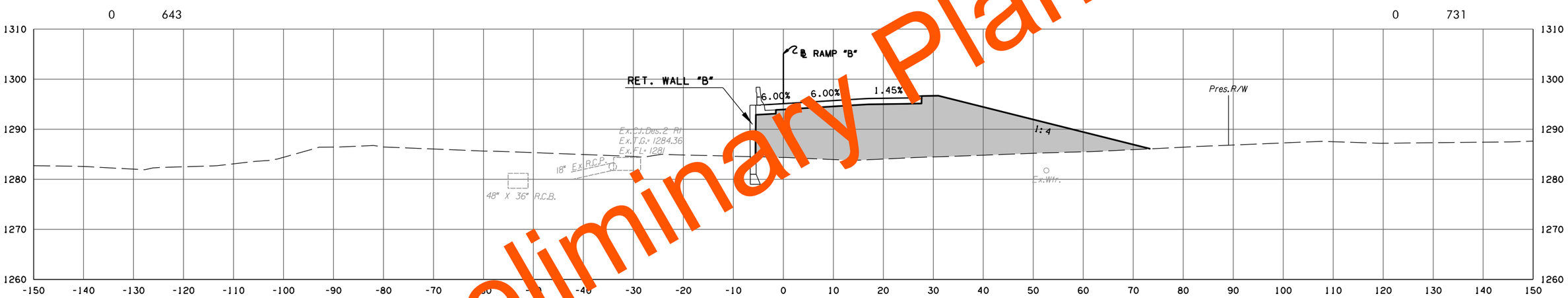
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

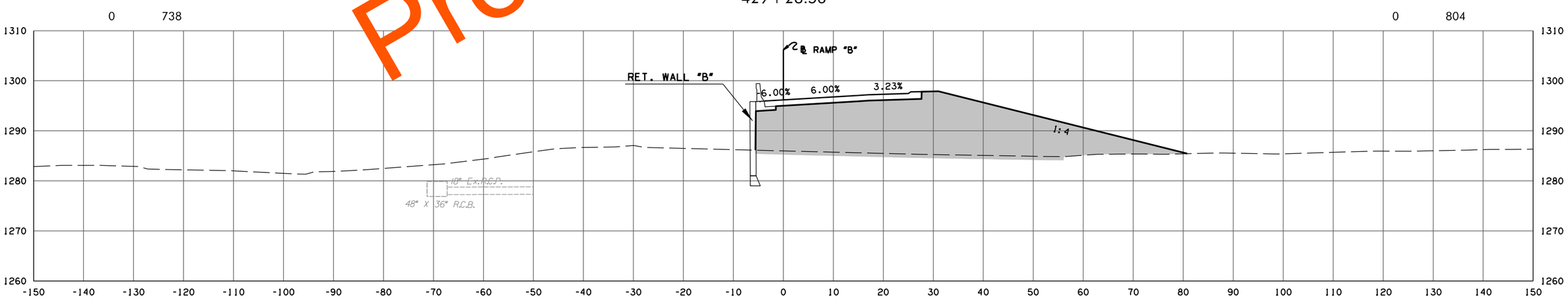
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1295.13
429 + 28.56



F.G. ELEV. = 1296.17
429 + 00.00

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X075

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

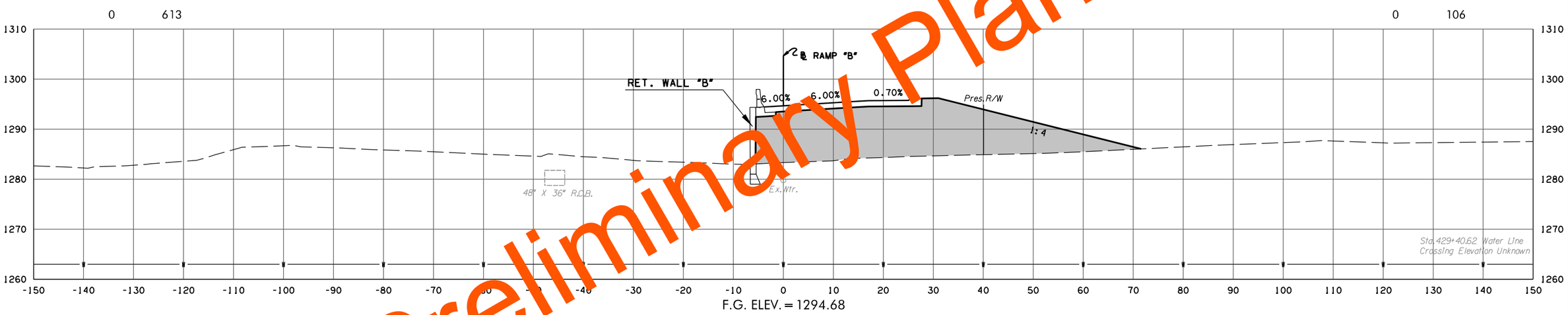
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1294.68
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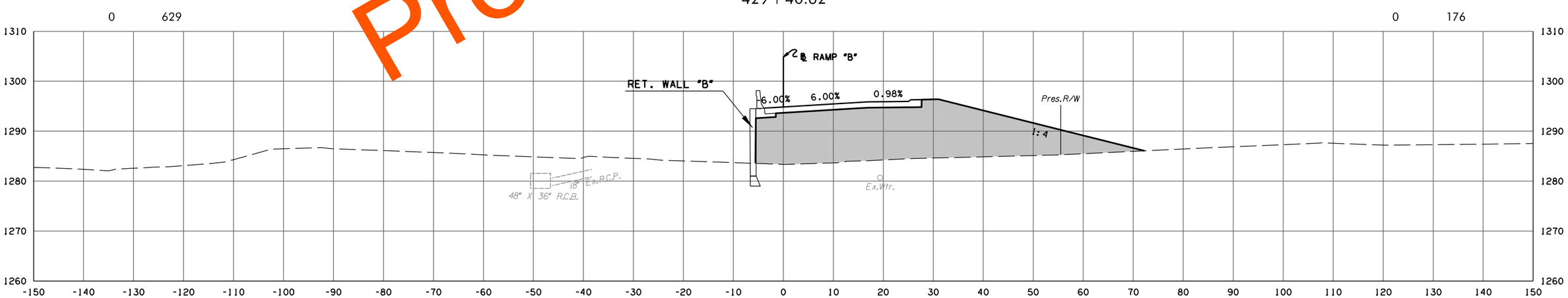

F.G. ELEV. = 1294.85
429 + 36.01

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X076

Preliminary Plans

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

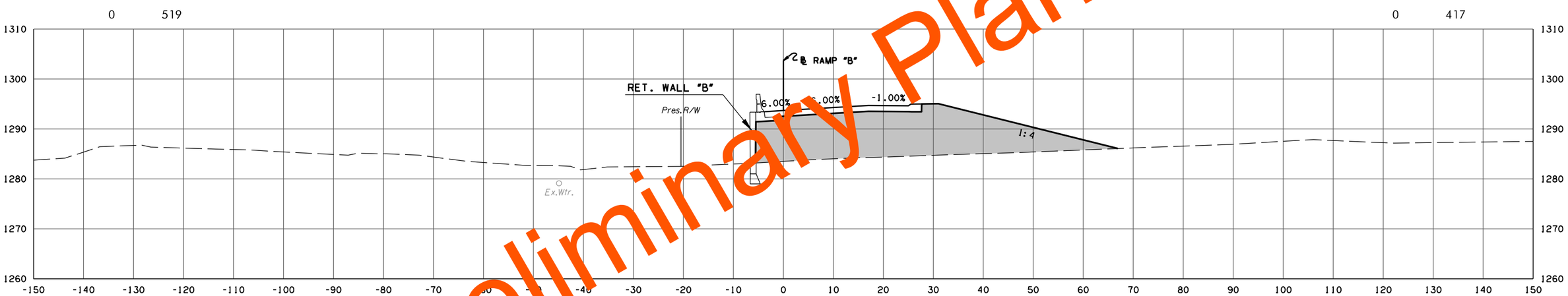
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

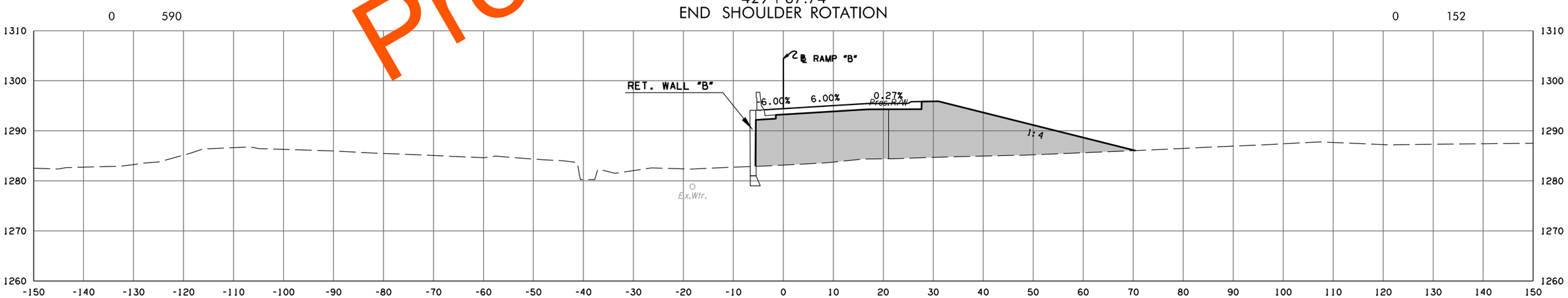
CUT FILL



F.G. ELEV. = 1293.69

429 + 67.74

END SHOULDER ROTATION



F.G. ELEV. = 1294.43

429 + 47.46

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X077

Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST. NO.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

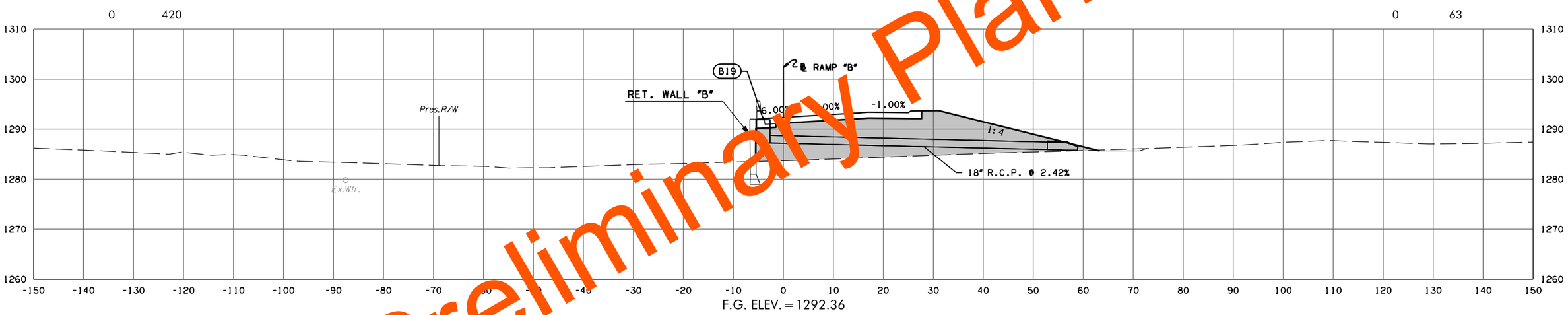
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

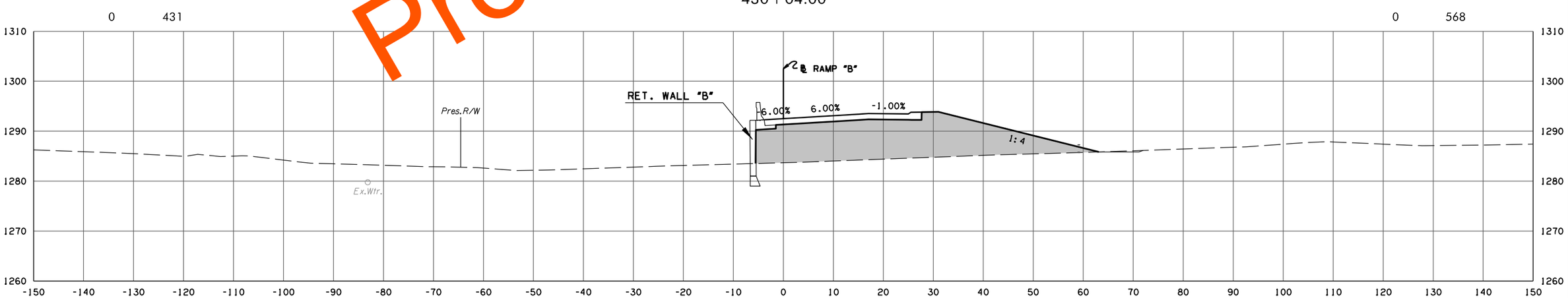
VOLUME

CUT FILL



F.G. ELEV. = 1292.36

430+04.00



F.G. ELEV. = 1292.51

430+00.00

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X078

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

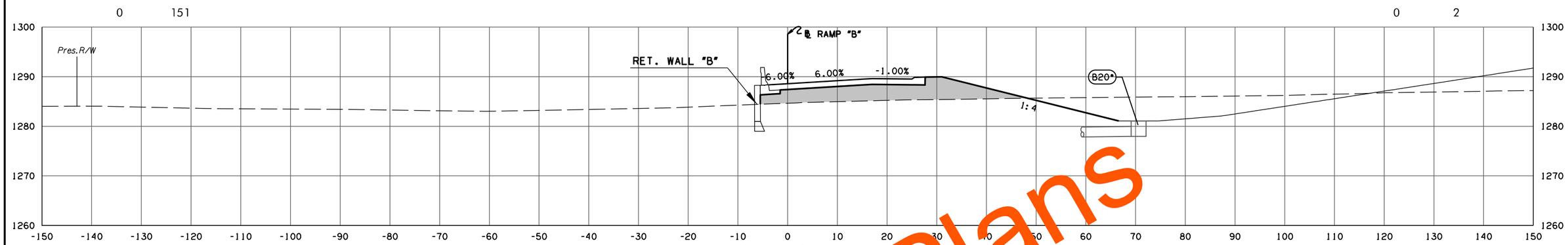
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

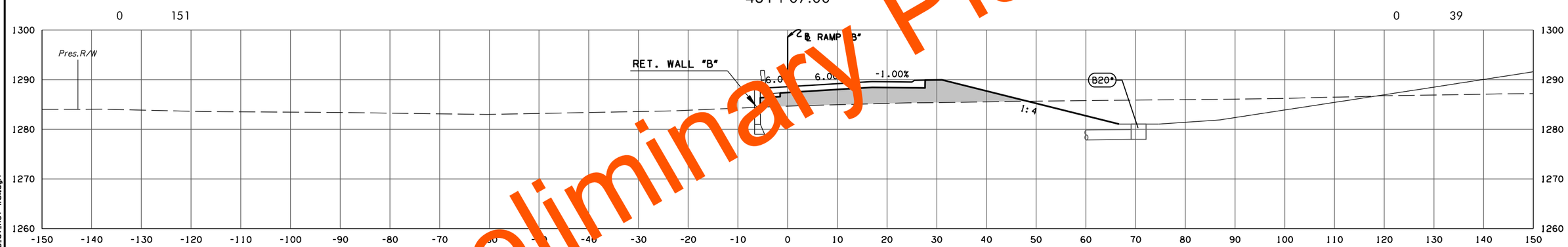
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA — CUT / FILL

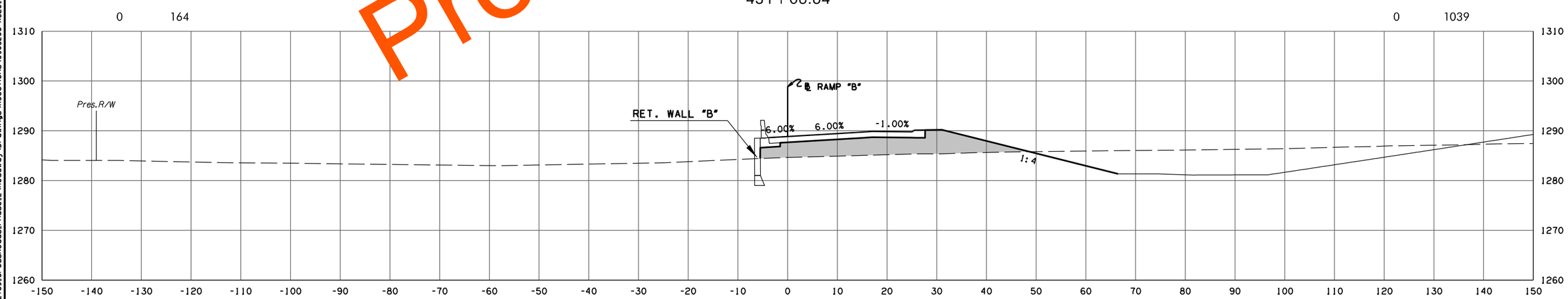
VOLUME — CUT / FILL



F.G. ELEV. = 1288.58
431+07.00



F.G. ELEV. = 1288.59
431+06.64



F.G. ELEV. = 1288.84
431+00.00

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X079

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

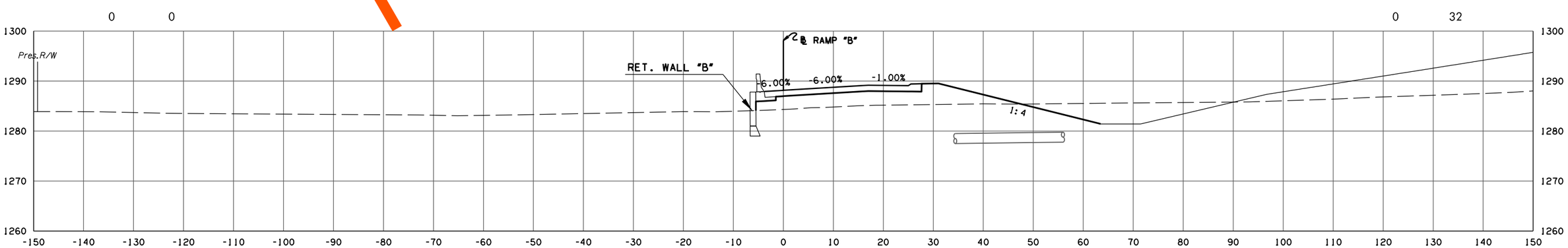
AREA

CUT FILL

VOLUME

CUT FILL

Preliminary Plans



F.G. ELEV. = 1288.16

431 + 18.52

END CONSTRUCTION

RAMP B

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X080

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

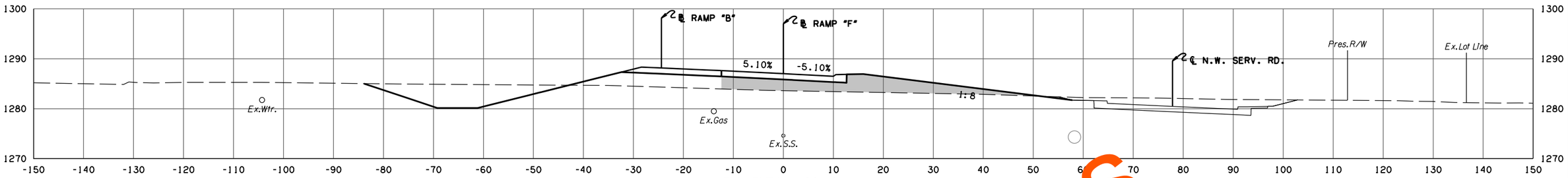
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT	FILL
1	129

VOLUME

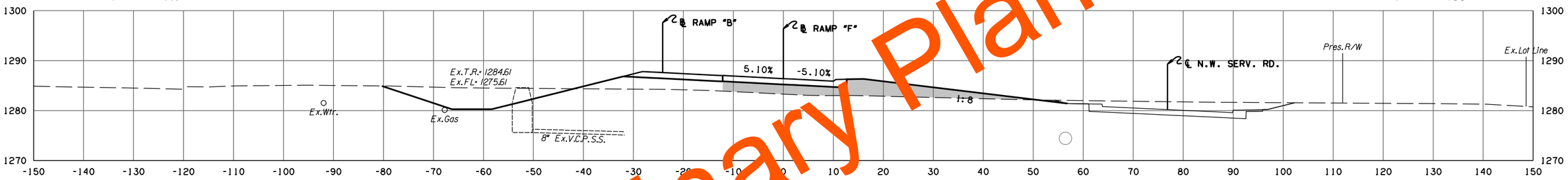
CUT	FILL
1	120



F.G. ELEV. = 1287.01
406 + 67.69

CUT	FILL
1	117

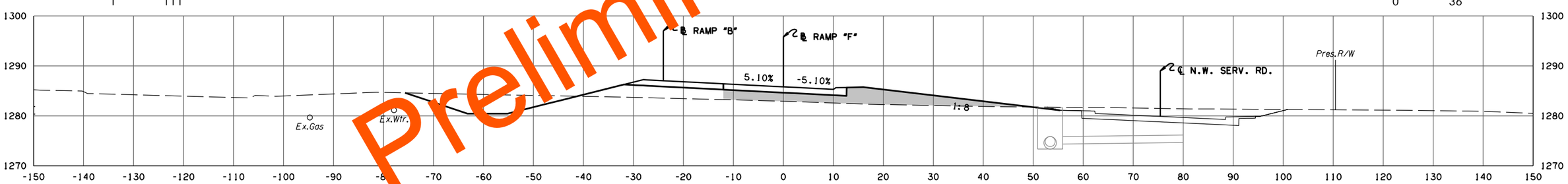
CUT	FILL
1	138



F.G. ELEV. = 1286.41
406 + 41.38

CUT	FILL
1	111

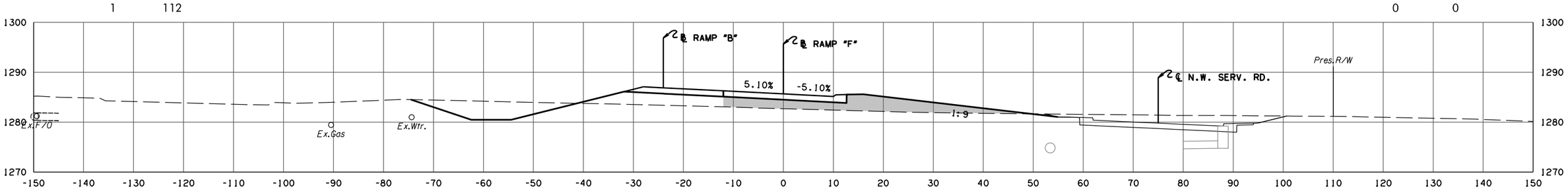
CUT	FILL
0	36



F.G. ELEV. = 1285.81
406 + 08.72

CUT	FILL
1	112

CUT	FILL
0	0



F.G. ELEV. = 1285.66
406 + 00.00
BEGIN CONSTRUCTION BEGIN FULL SUPER ROTATION

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X081

Preliminary Plans

5/27/2022 10:28:31AM
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R/W & U/E PURCHASED UNDER JP 09032(05)

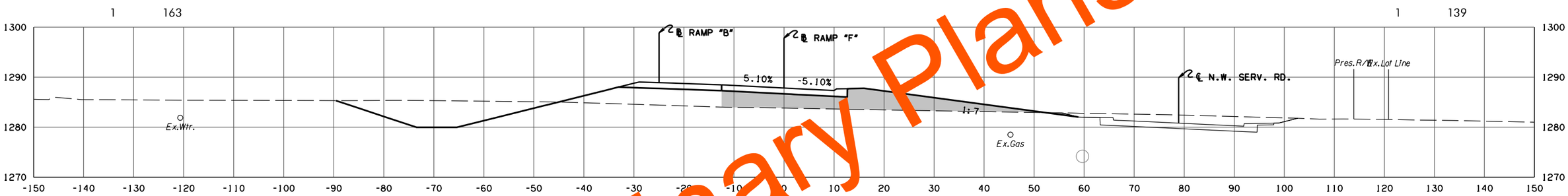
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

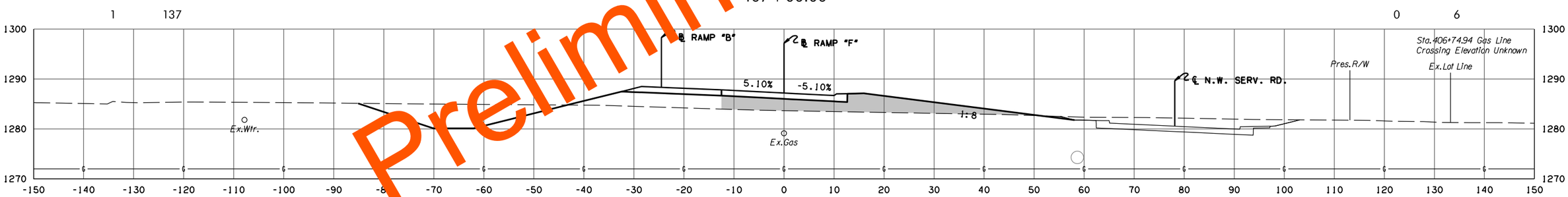
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1287.84
407 + 00.00



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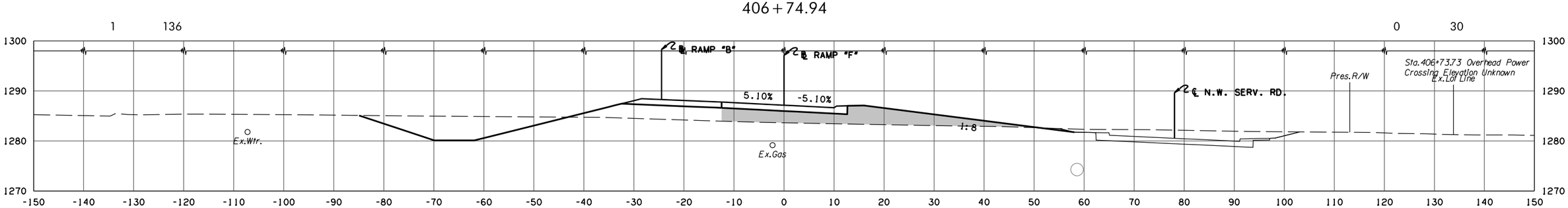

F.G. ELEV. = 1287.16
406 + 73.73

RAMP F

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY
SHEET NO. X082

Preliminary Plans

5/27/2022 10:28:32 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

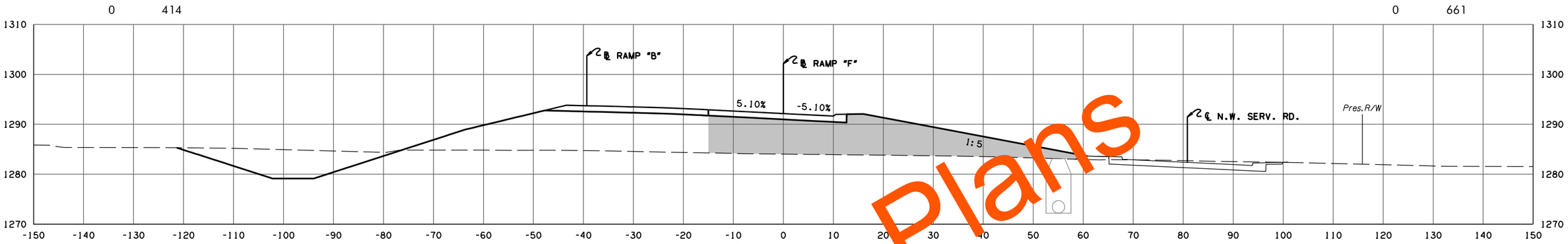
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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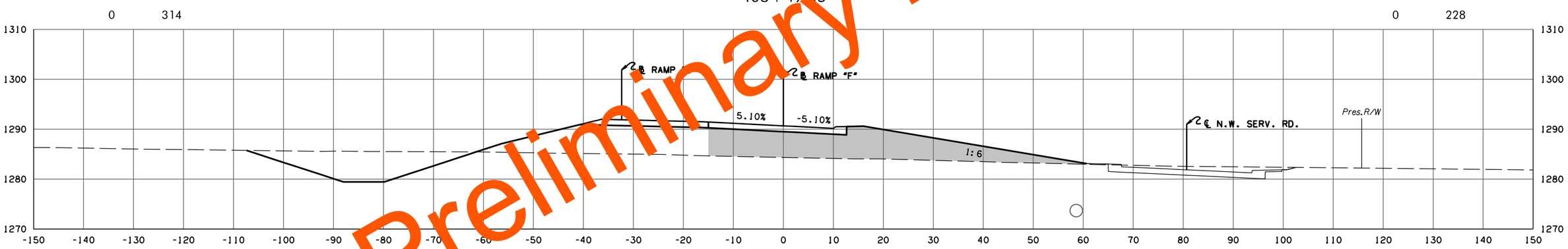
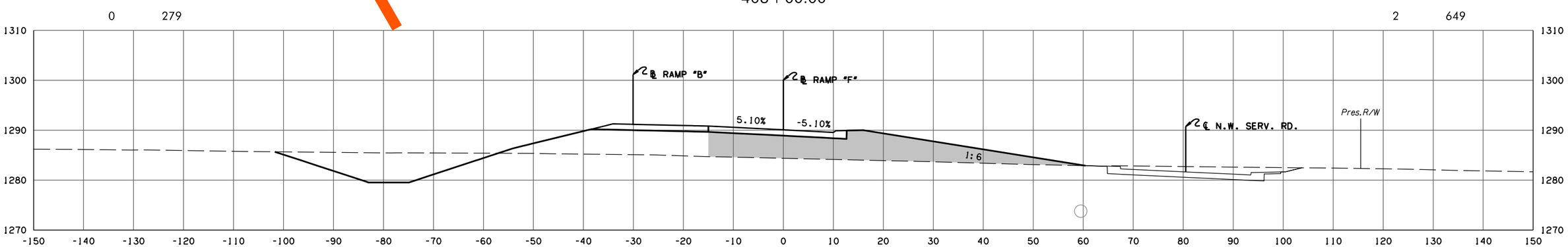


F.G. ELEV. = 1290.67
408 + 00.00



F.G. ELEV. = 1290.08
407 + 79.22

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X083

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

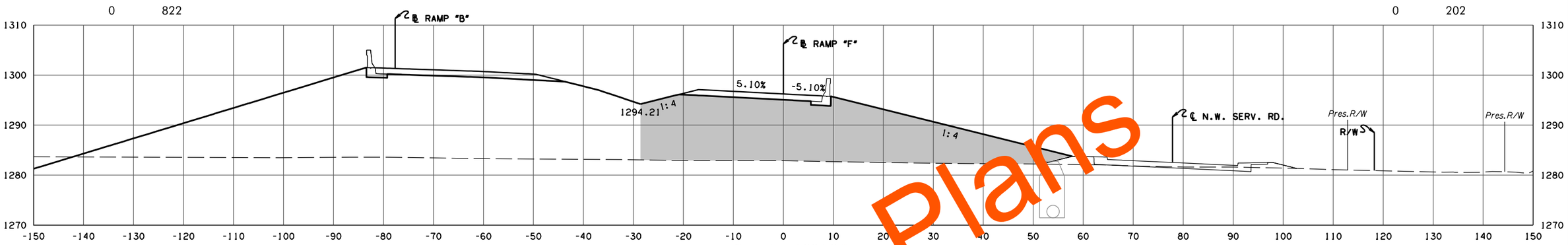
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1296.2
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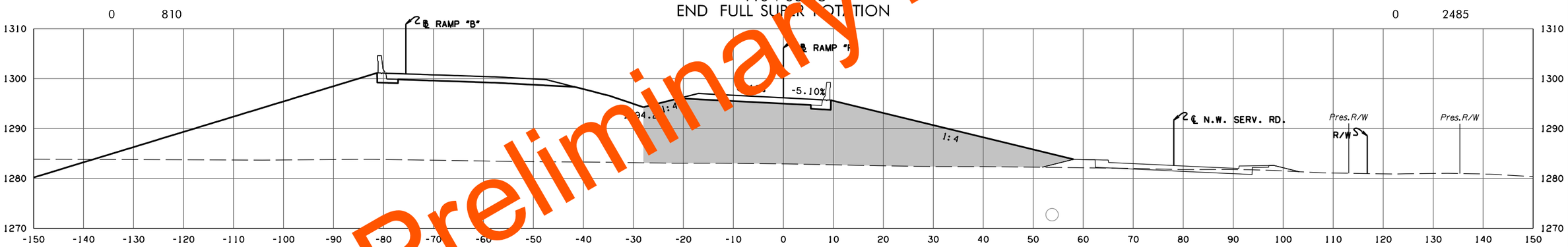
END FULL SUPER ROTATION



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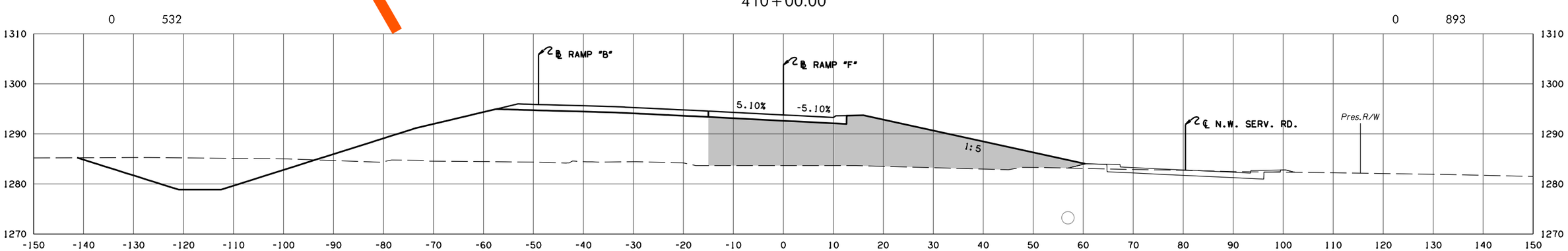

F.G. ELEV. = 1293.79
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RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X084

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

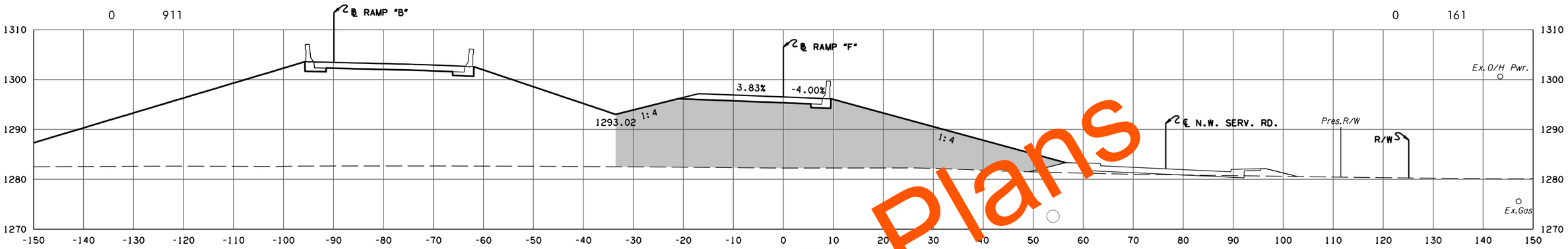
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

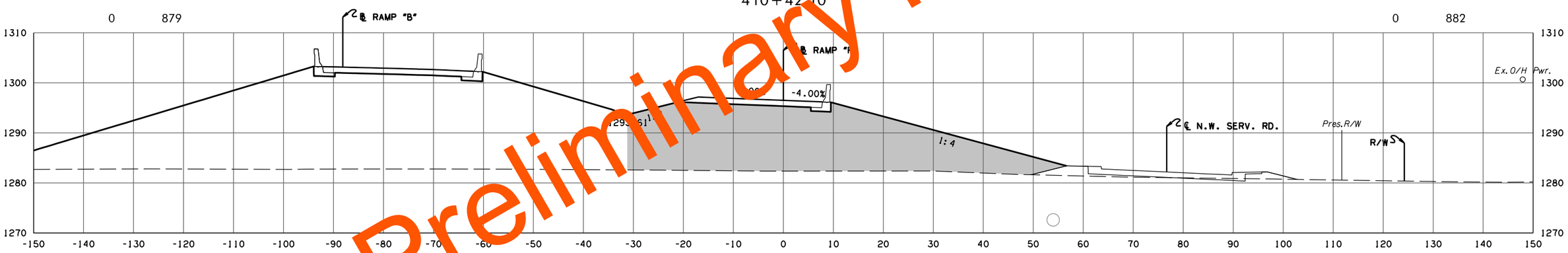
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1296.50
410+42.10



F.G. ELEV. = 1296.49
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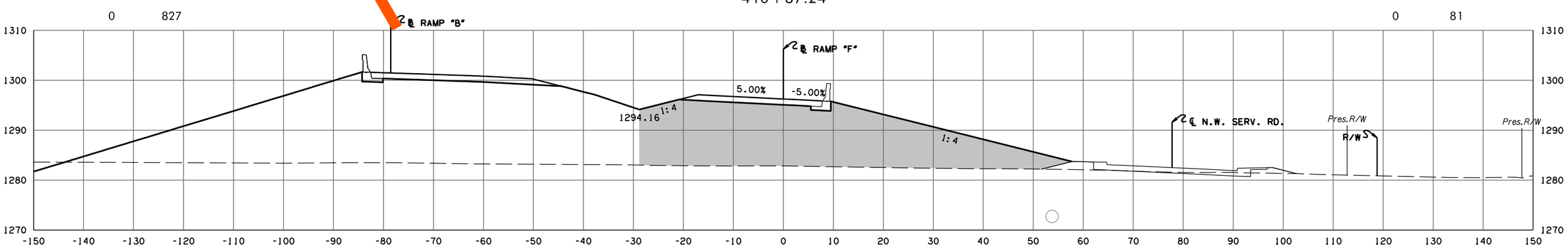

F.G. ELEV. = 1296.27
410+09.33

RAMP F

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X085

Preliminary Plans

5/27/2022 10:28:36 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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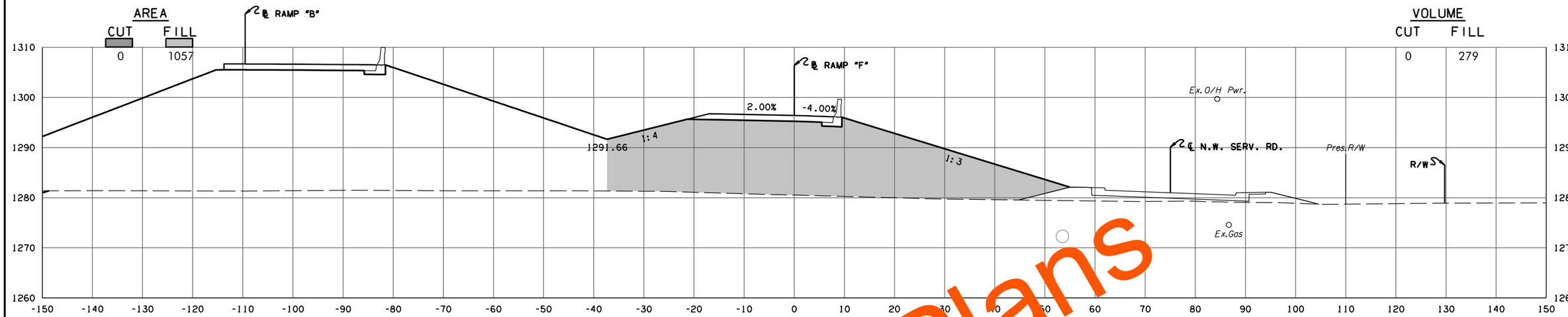
SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



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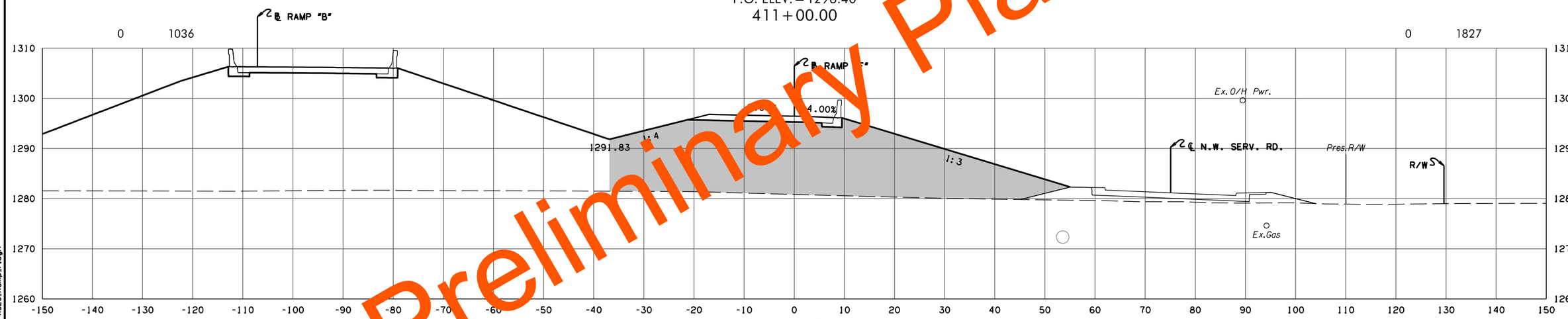
411+00.00



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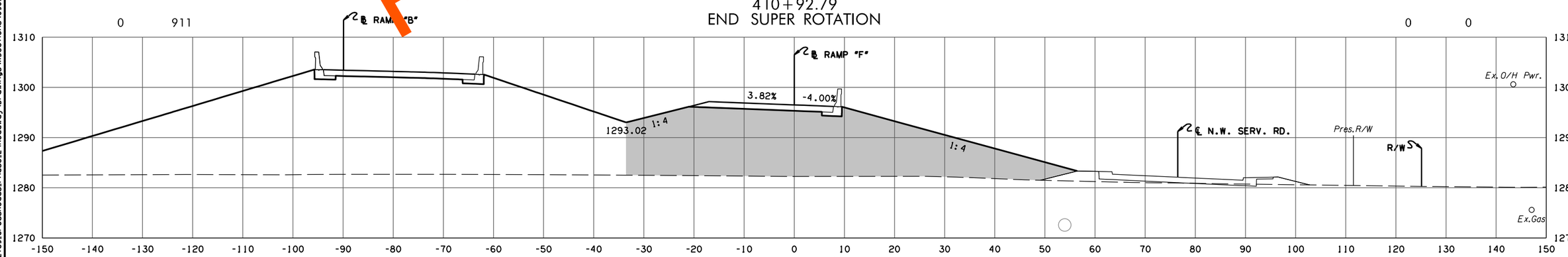
END SUPER ROTATION



F.G. ELEV. = 1296.52
410+42.10

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X086

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Preliminary Plans

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

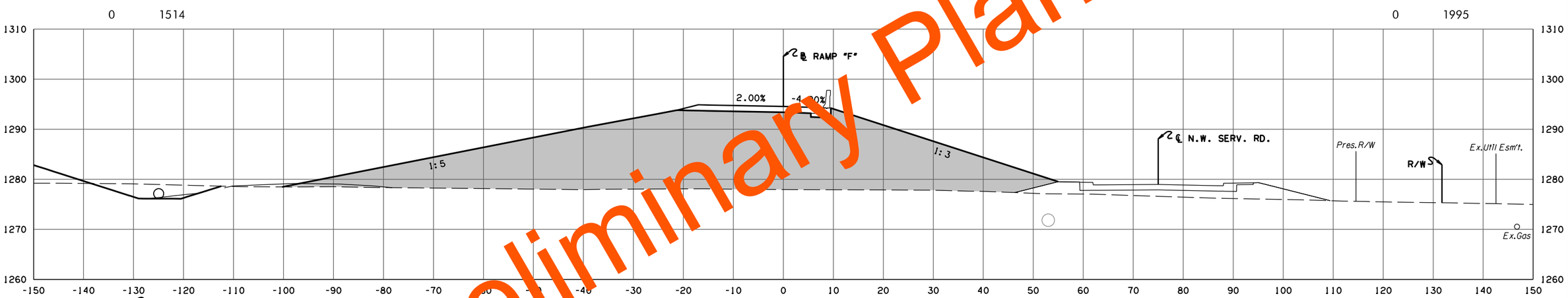
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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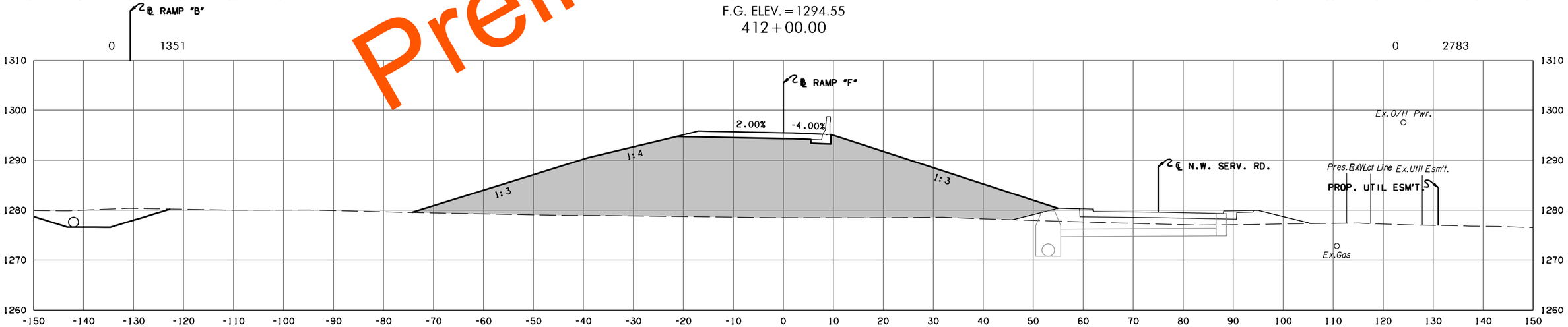

F.G. ELEV. = 1295.49
411+62.39

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X087

Preliminary Plans

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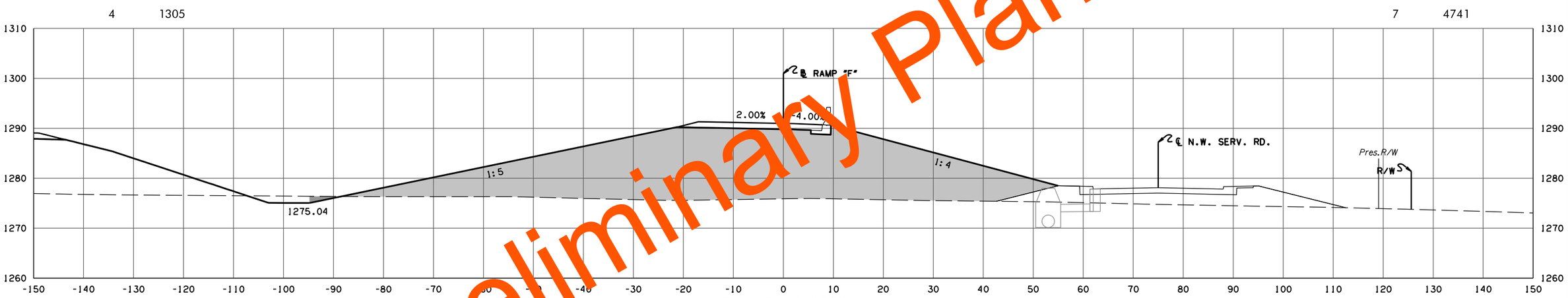
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

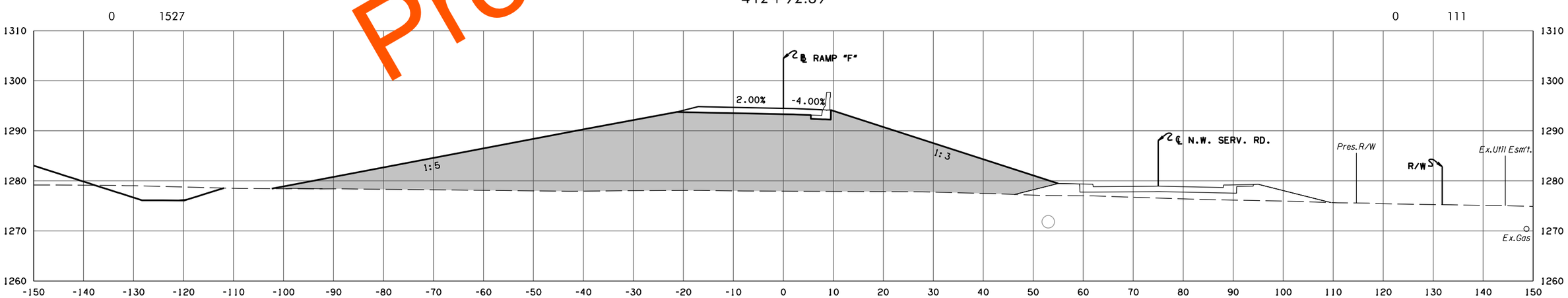
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1290.98
412 + 92.39



F.G. ELEV. = 1294.49
412 + 01.98

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X088

Preliminary Plans

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

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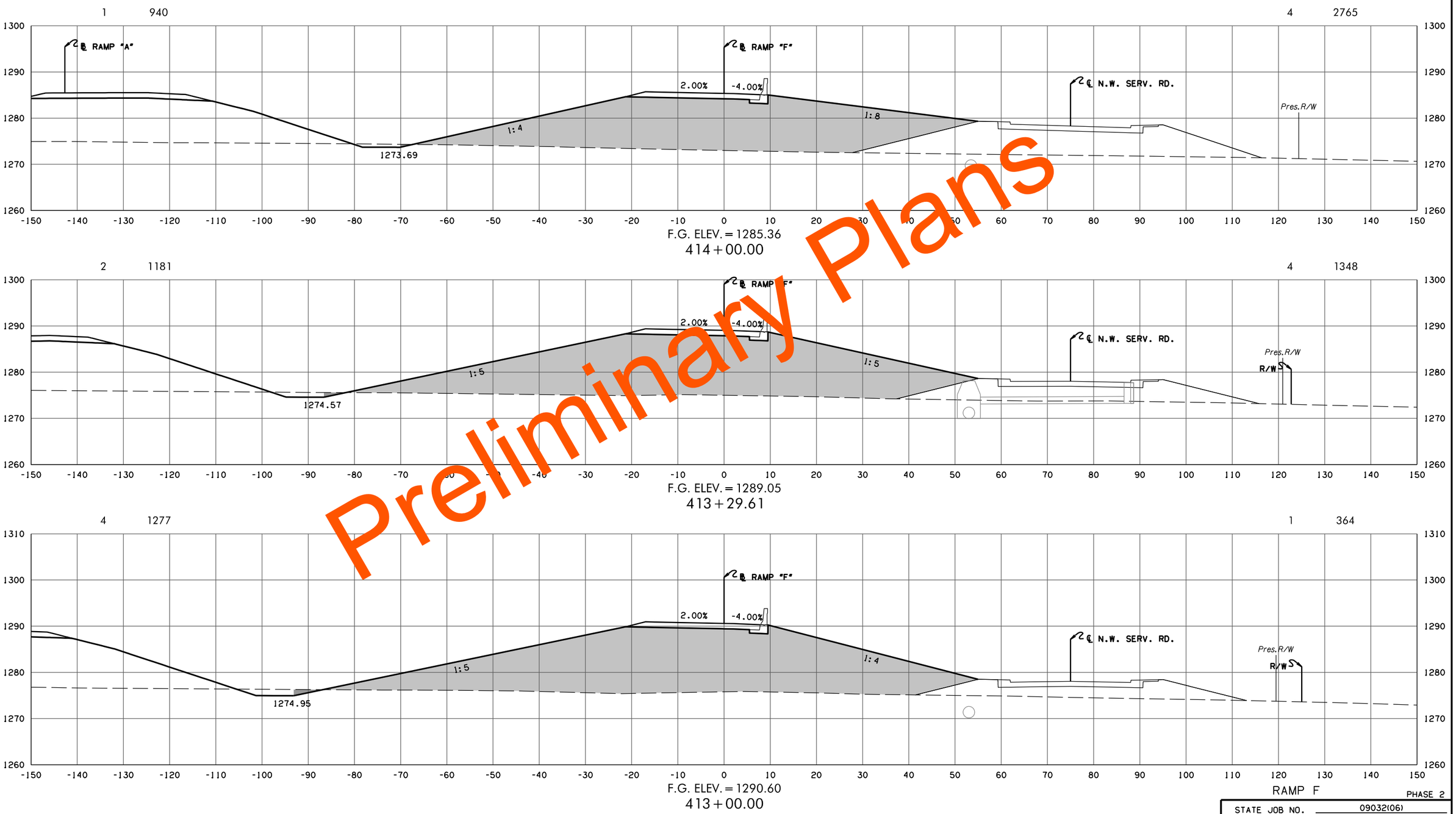
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA (CUT / FILL) — VOLUME (CUT / FILL)



Preliminary Plans

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X089

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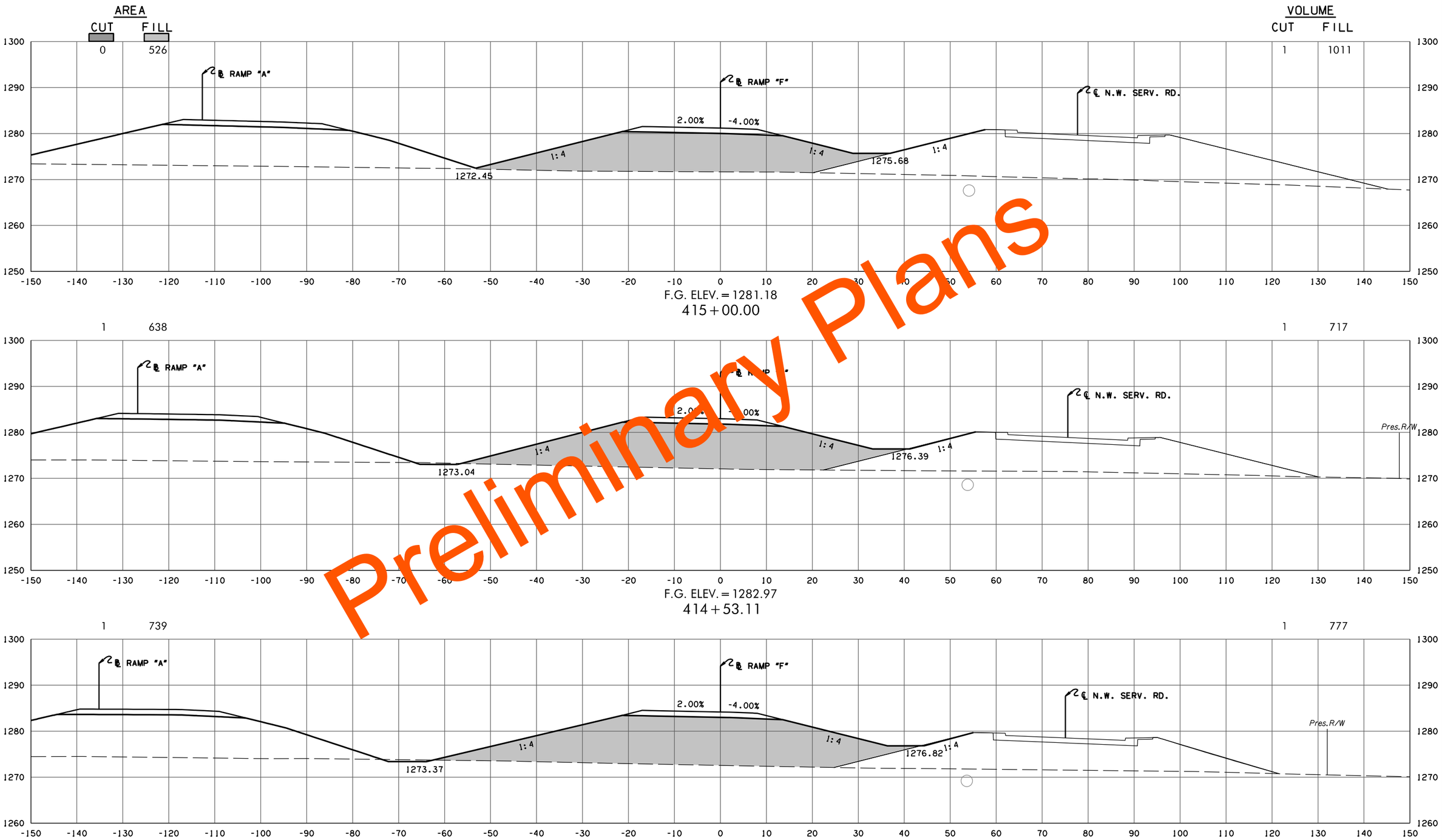
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	



Preliminary Plans

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X090

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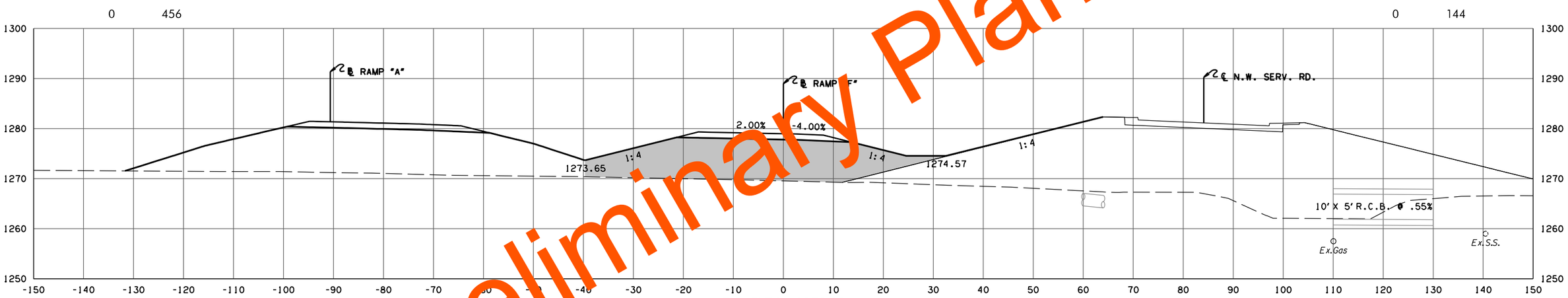
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

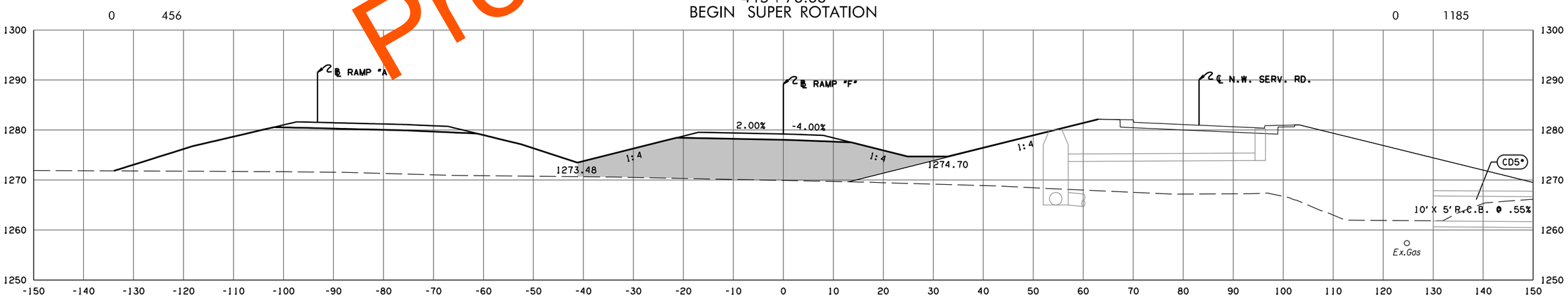
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1278.98
415+73.63
BEGIN SUPER ROTATION



F.G. ELEV. = 1279.20
415+65.09

RAMP F

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X091

Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

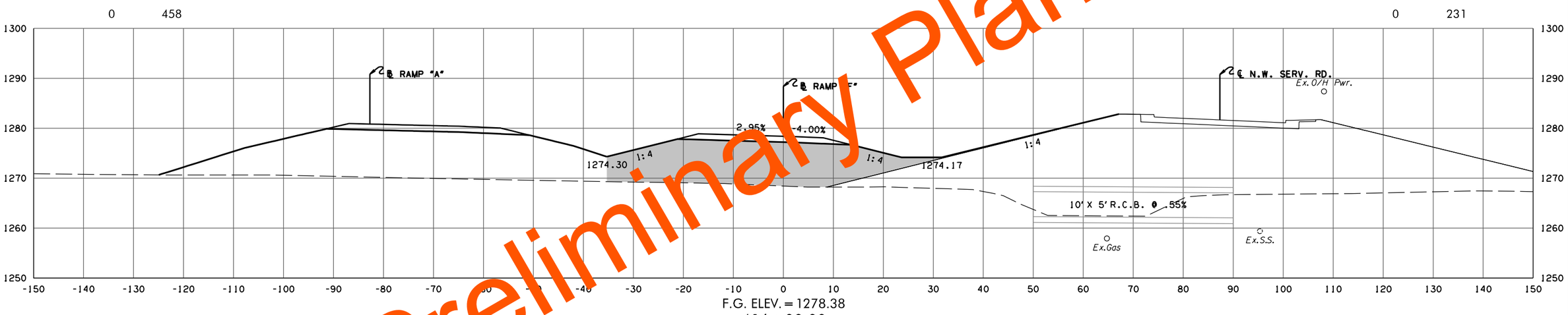
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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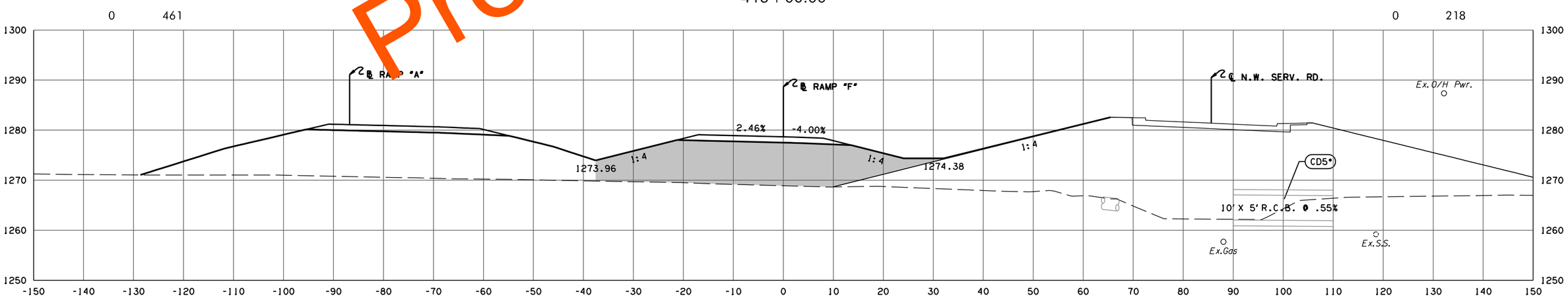
416+00.00



F.G. ELEV. = 1278.68

415+86.44

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X092

Preliminary Plans

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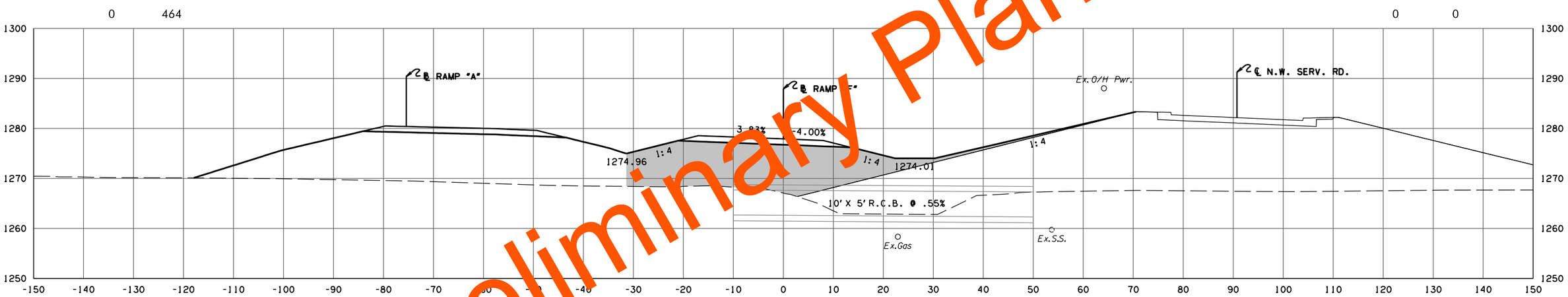
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

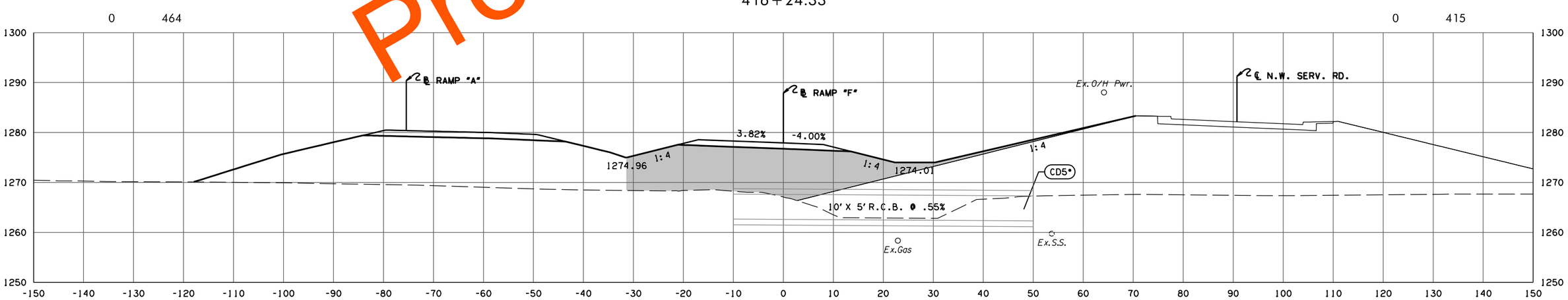
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1277.91
416+24.33



F.G. ELEV. = 1277.91
416+24.33

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X093

Preliminary Plans

5/27/2022 10:28:47 AM
H:\PROJECTS\2789_CrossRoads_Phase_2\Roadway\Drawings\XSections\0903206-XSEC_Ramp_F.dgn

(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

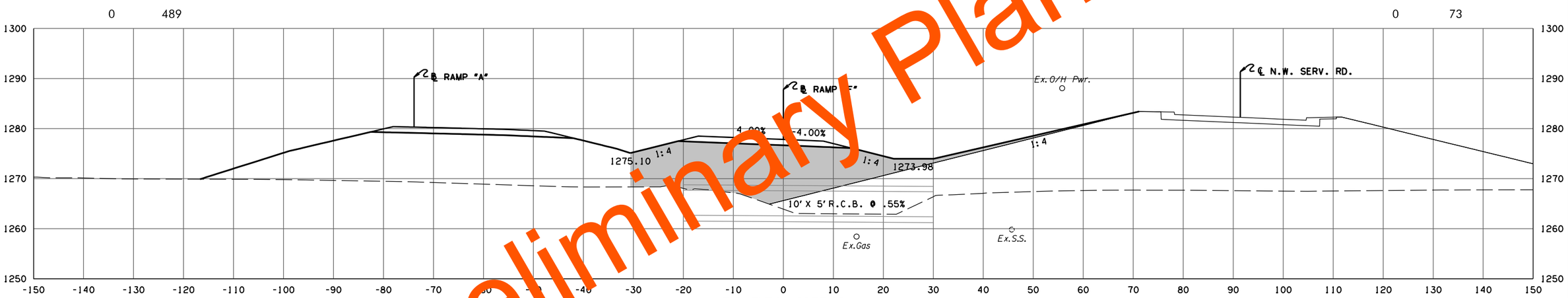
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

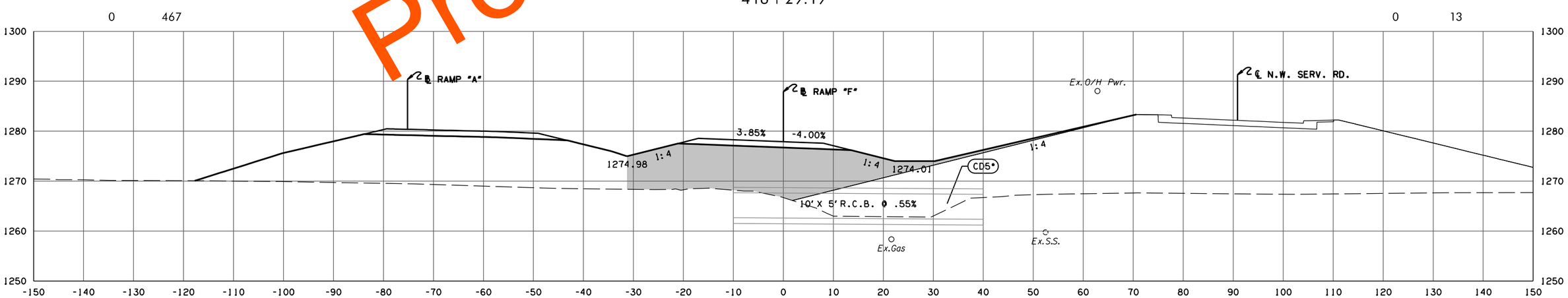
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1277.83
416+29.19



F.G. ELEV. = 1277.90
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RAMP F

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X094

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST. NO.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

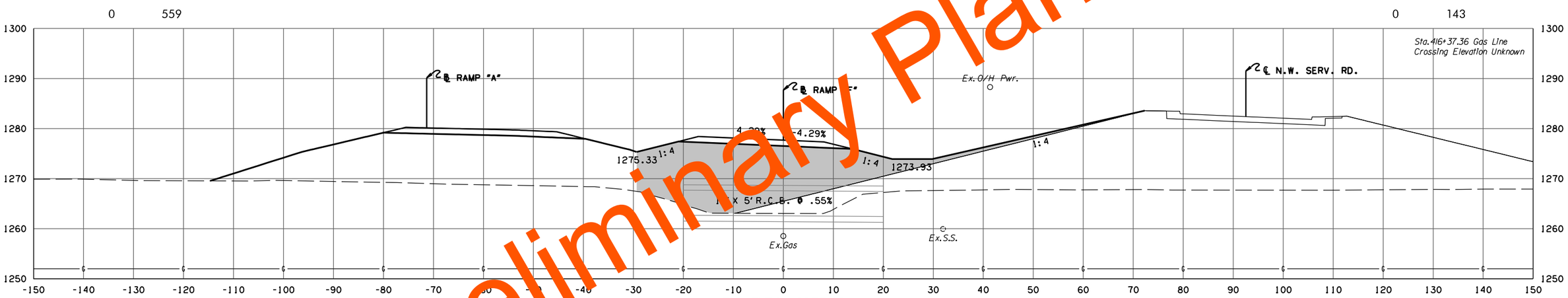
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

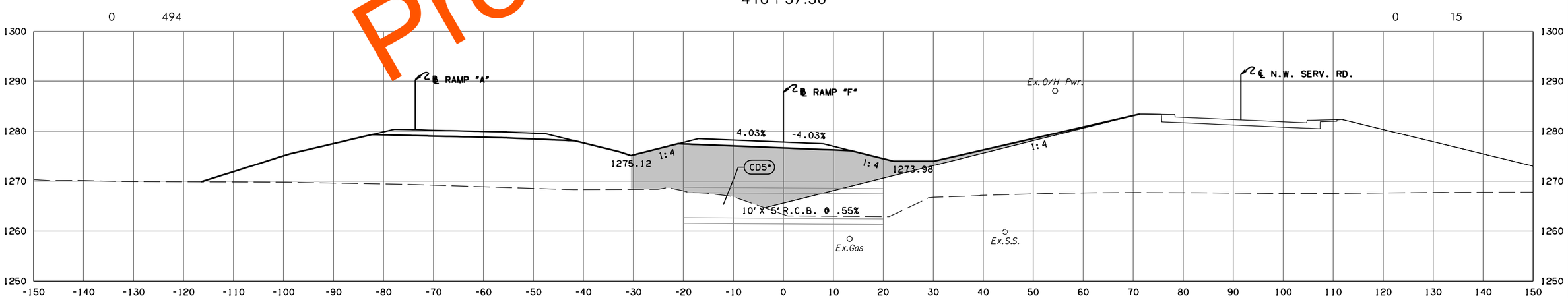
VOLUME

CUT FILL



F.G. ELEV. = 1277.69

416+37.36



F.G. ELEV. = 1277.81

416+30.00

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X095

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

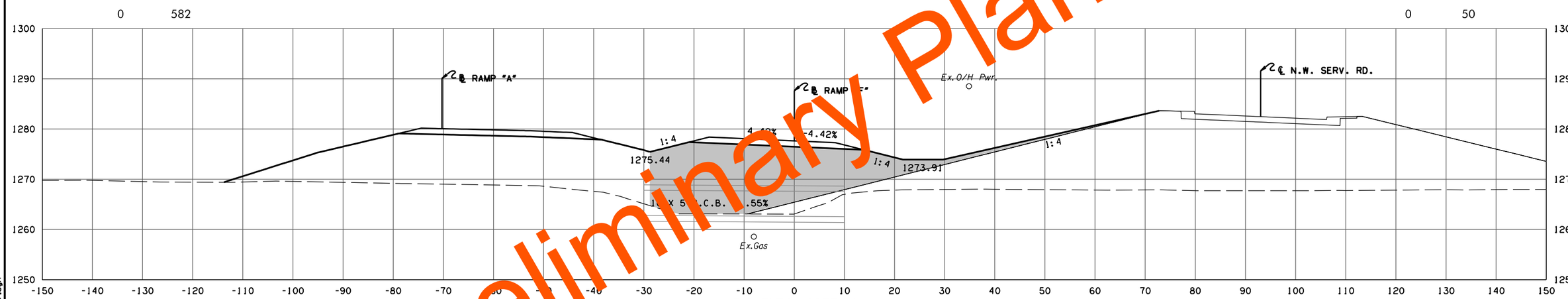
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

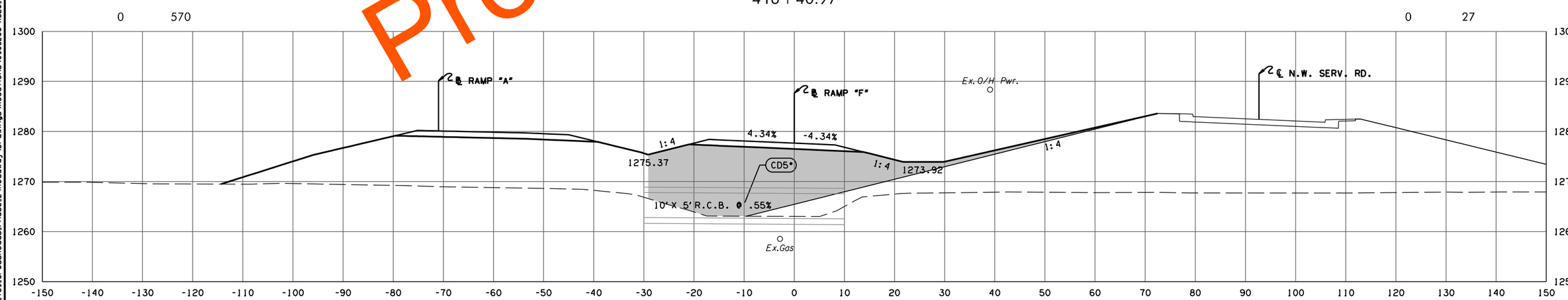
VOLUME

CUT FILL



F.G. ELEV. = 1277.64

416 + 40.97



F.G. ELEV. = 1277.67

416 + 38.64

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X096

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST. NO.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

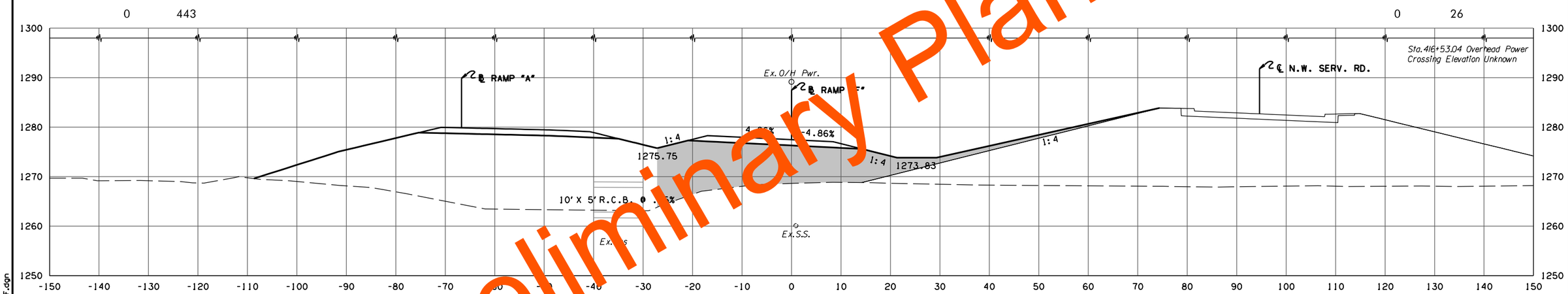
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

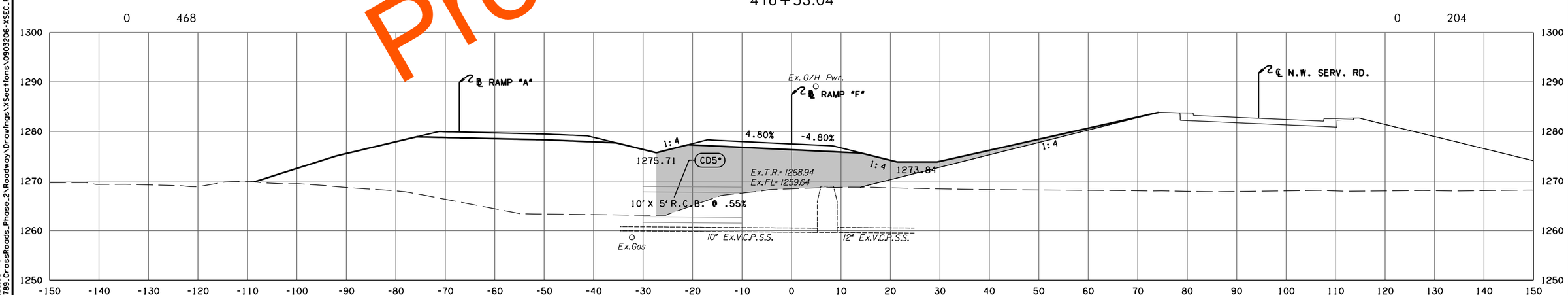
VOLUME

CUT FILL



F.G. ELEV. = 1277.46

416 + 53.04



F.G. ELEV. = 1277.48

416 + 51.48

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X097

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

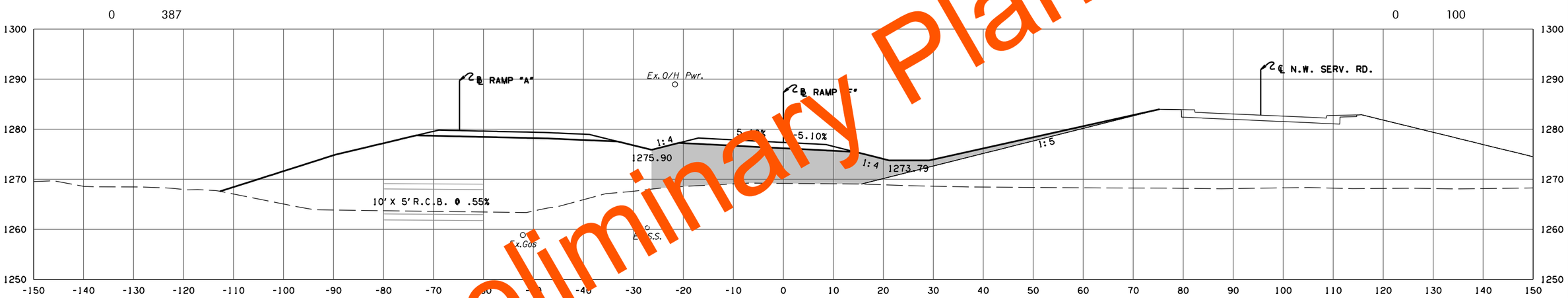
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

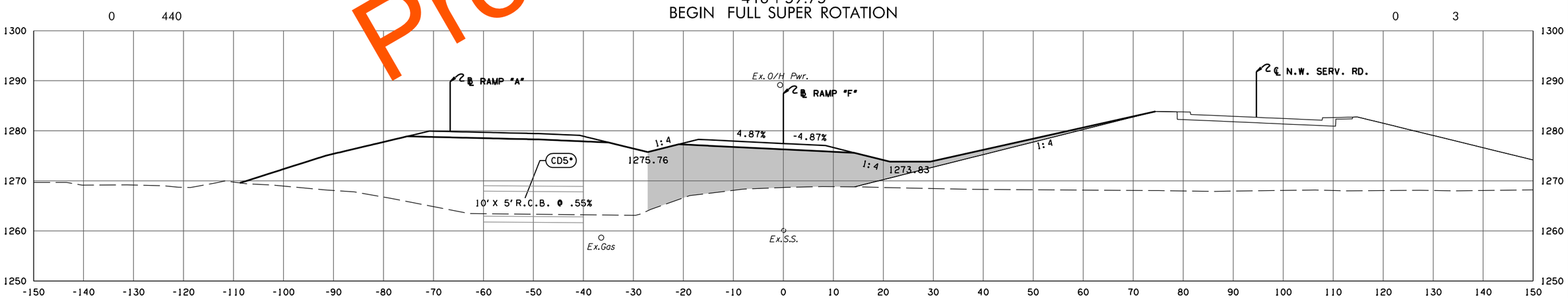
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1277.37
416+59.75
BEGIN FULL SUPER ROTATION



F.G. ELEV. = 1277.46
416+53.24

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X098

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

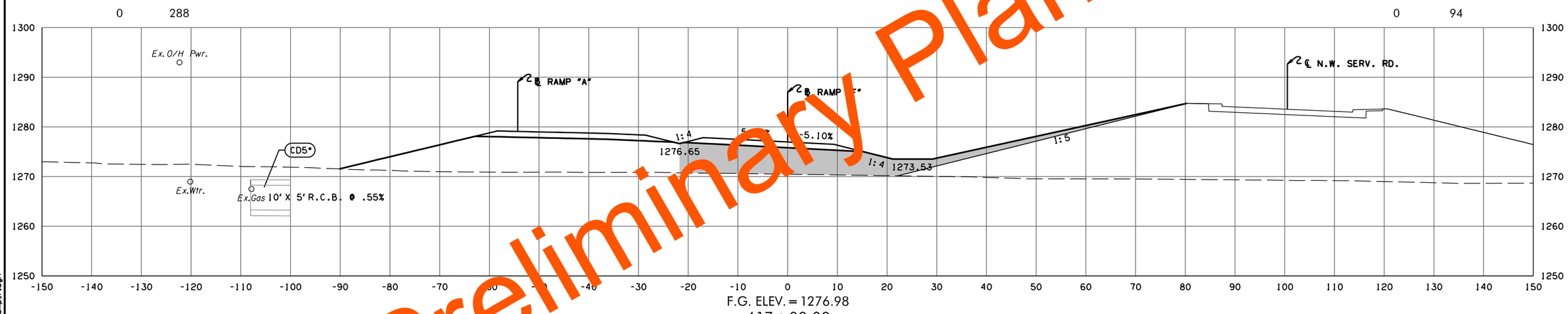
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

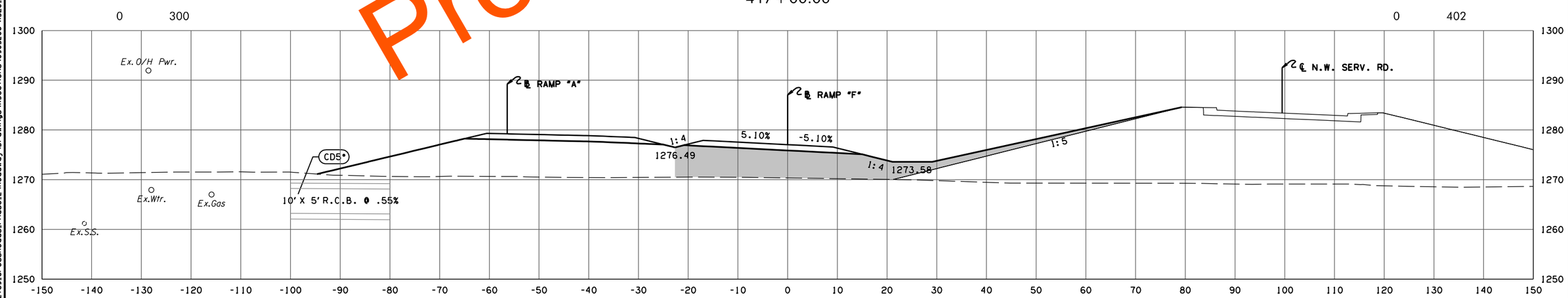
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1276.98
417 + 00.00



F.G. ELEV. = 1277.04
416 + 91.36

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X099

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

Preliminary Plans

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X100

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R/W & U/E PURCHASED UNDER JP 09032(05)

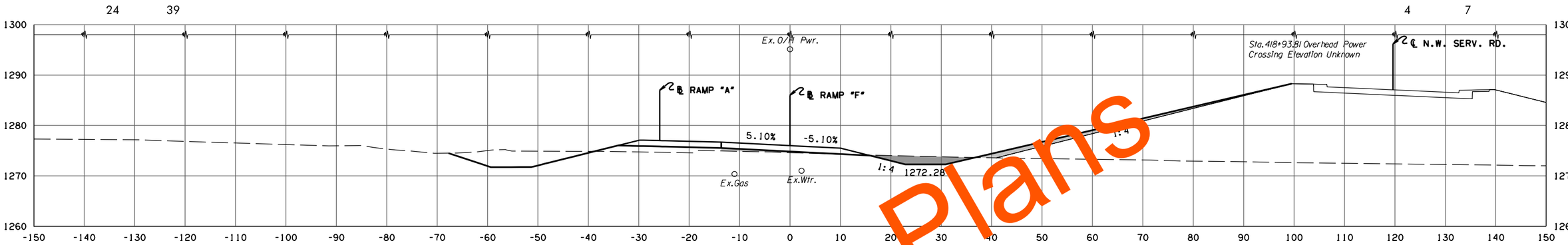
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

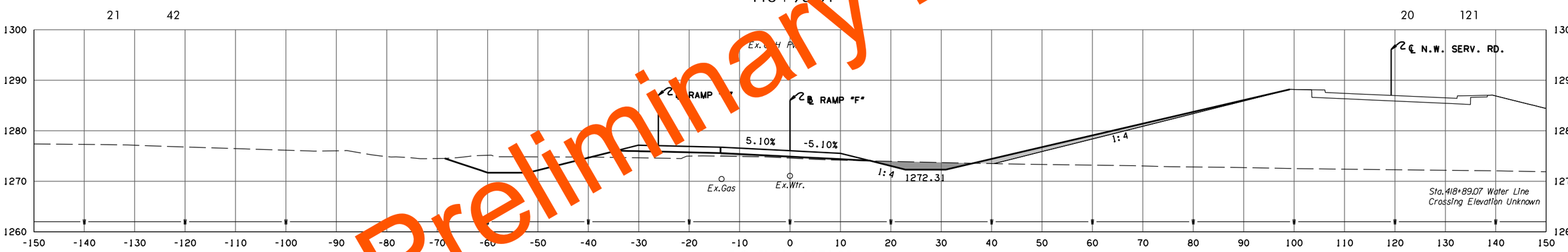
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1276.0
418+93.81



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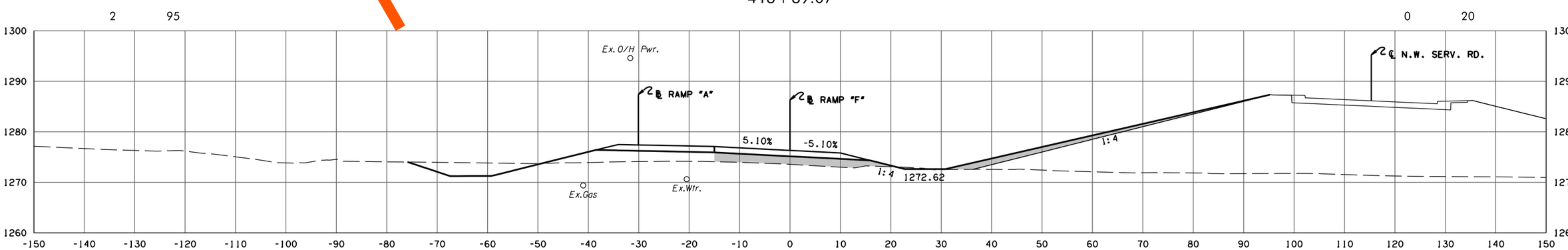
418+89.07



F.G. ELEV. = 1276.32
418+41.49

RAMP F

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X101

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

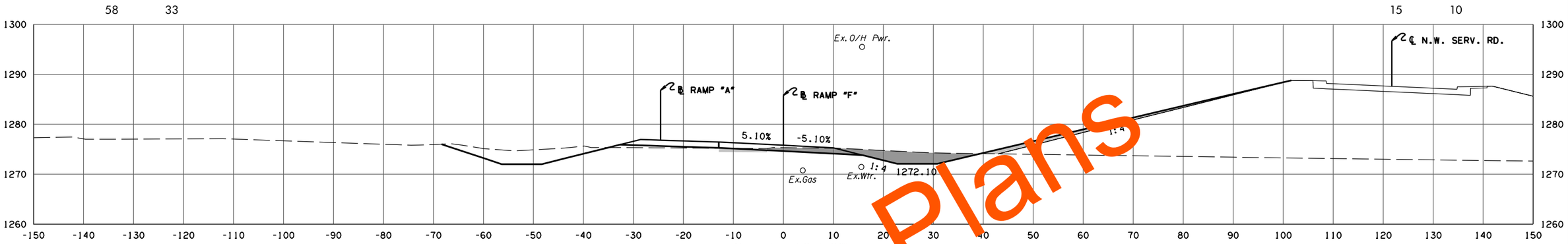
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

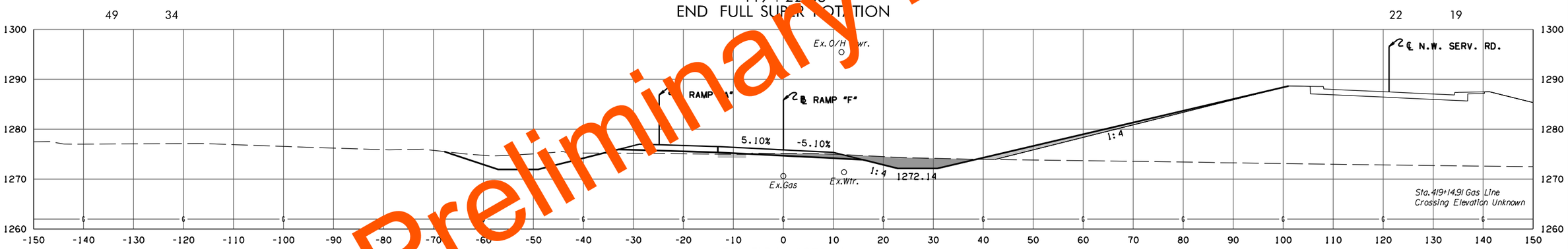
CUT FILL



F.G. ELEV. = 1275.86

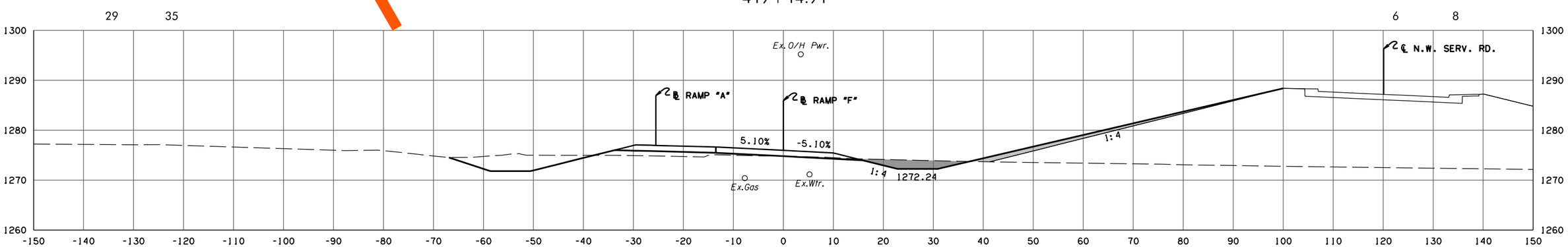
419 + 22.63

END FULL SUPER ROTATION



F.G. ELEV. = 1275.86

419 + 14.91



F.G. ELEV. = 1275.96

419 + 00.00

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X102

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

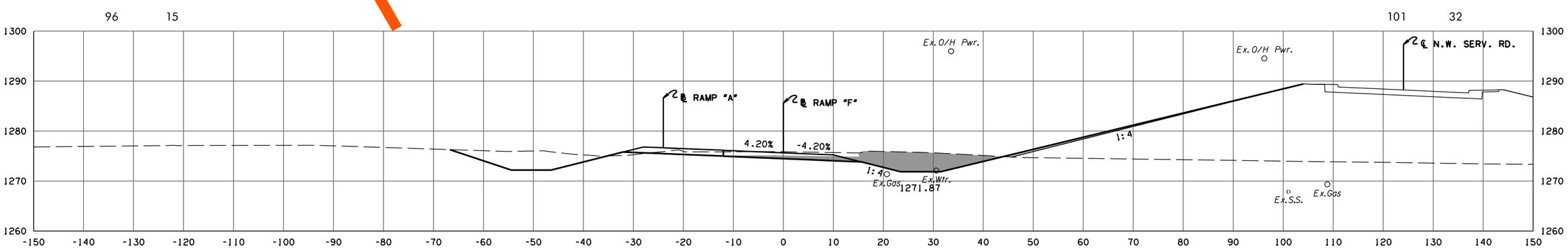
AREA

CUT FILL

VOLUME

CUT FILL

Preliminary Plans



F.G. ELEV. = 1275.65

419 + 58.05

END CONSTRUCTION

RAMP F

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X103

5/27/2022 10:29:01 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

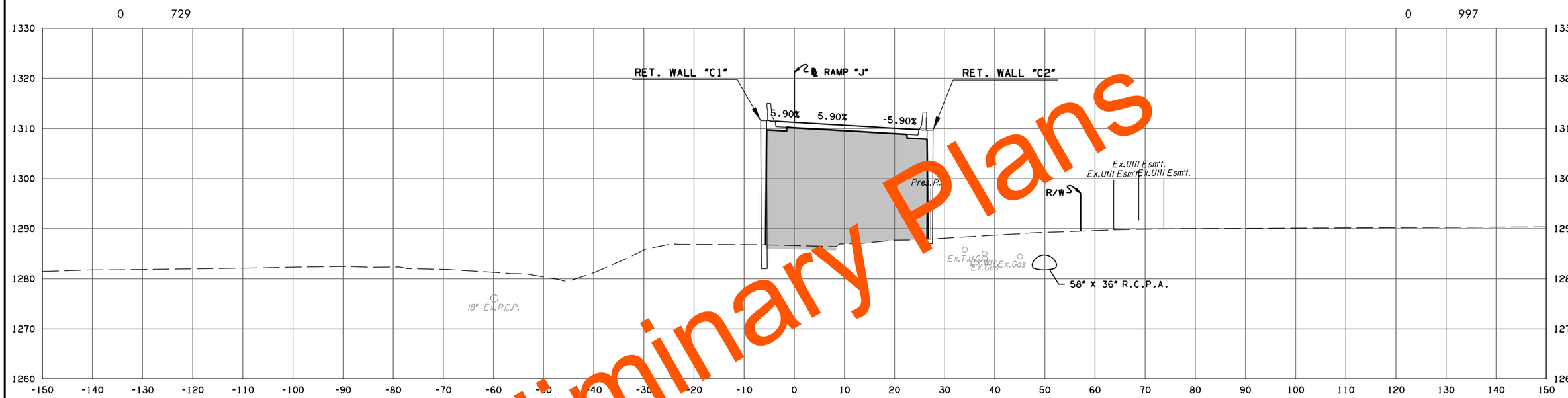
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

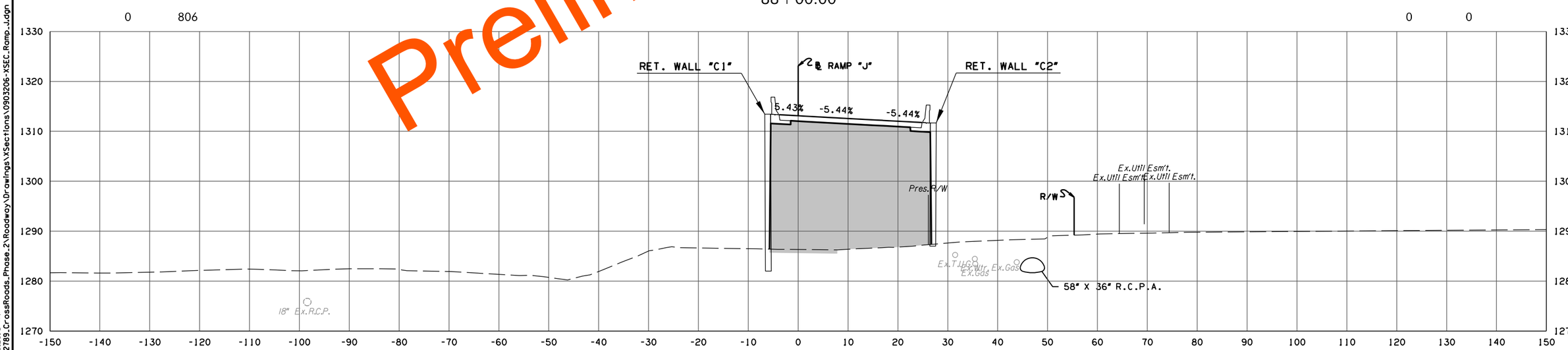
AREA

CUT FILL

VOLUME

CUT FILL





RAMP J

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X104

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

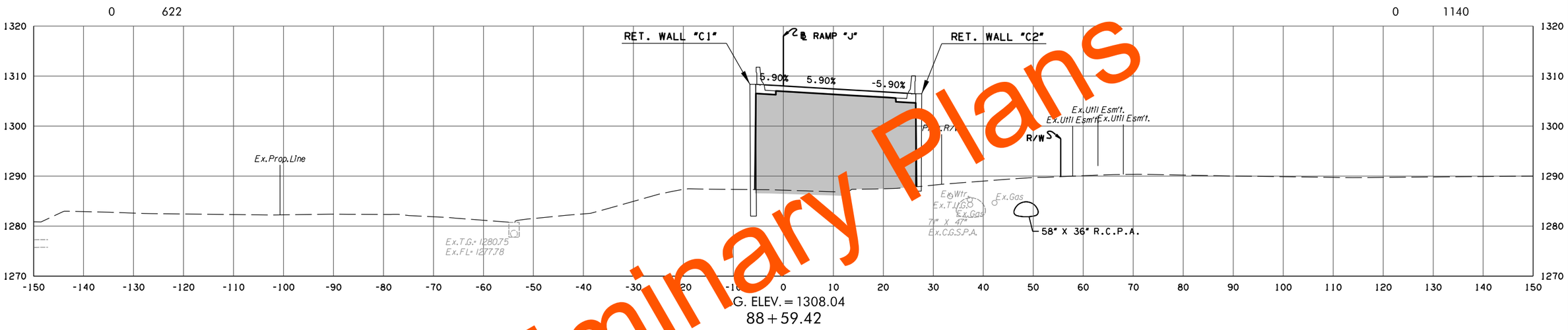
POE & ASSOCIATES, OKLAHOMA CITY, OK.

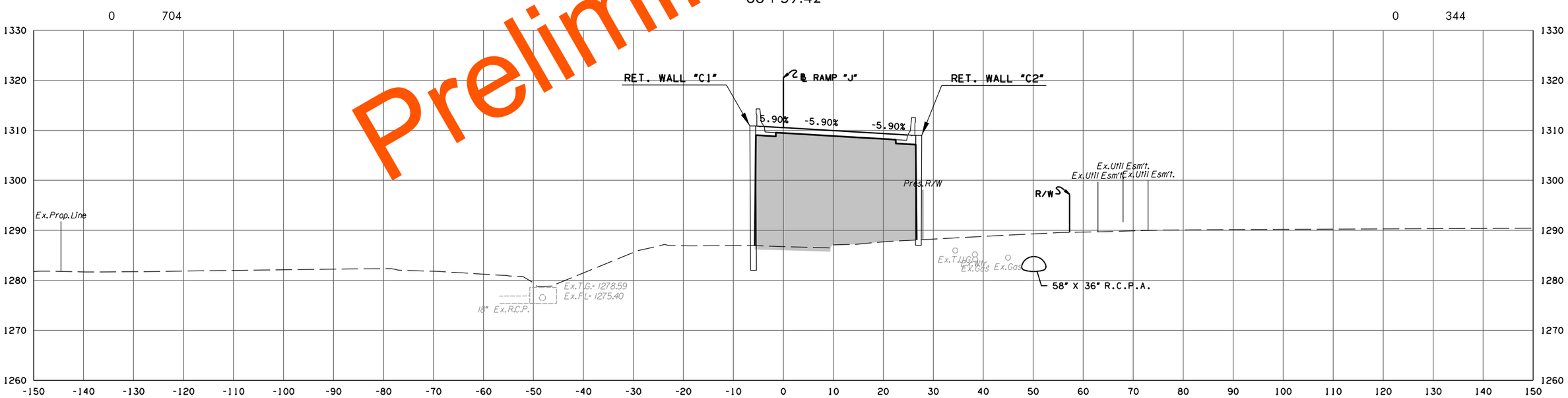
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL





Preliminary Plans

RAMP J

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X105

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

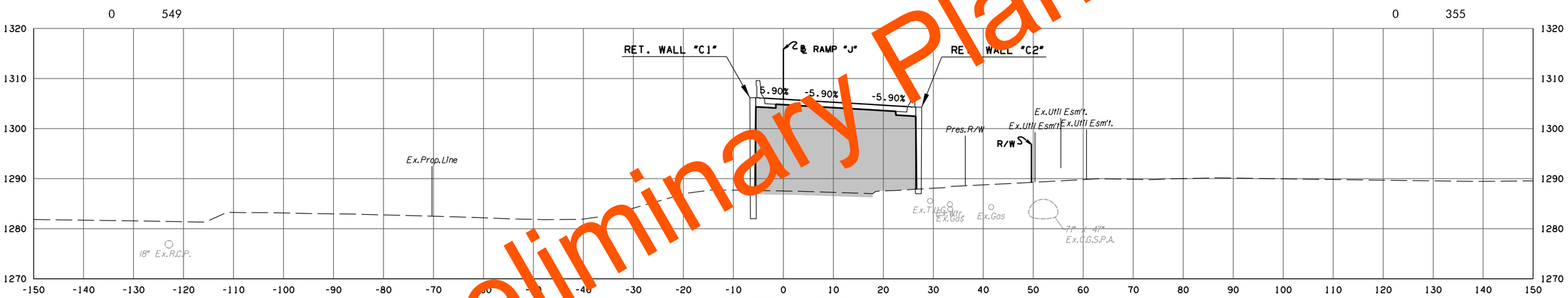
POE & ASSOCIATES, OKLAHOMA CITY, OK.

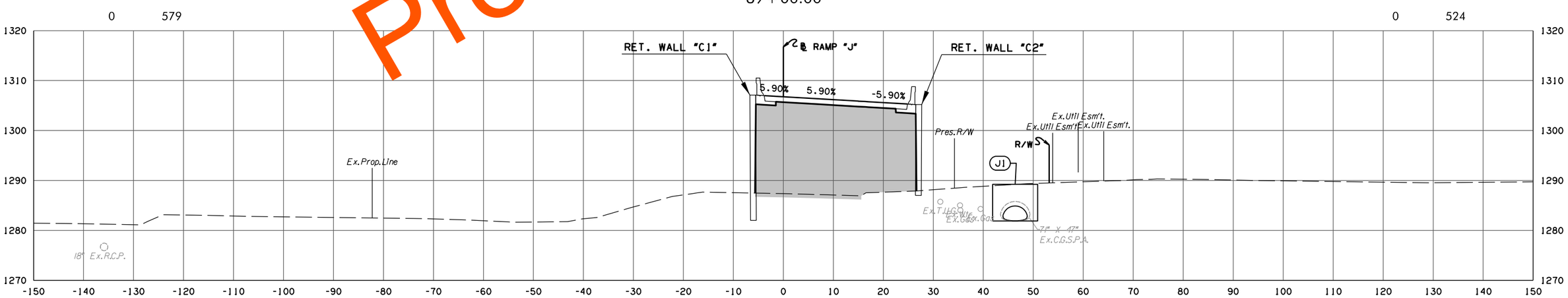
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL





RAMP J

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X106

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

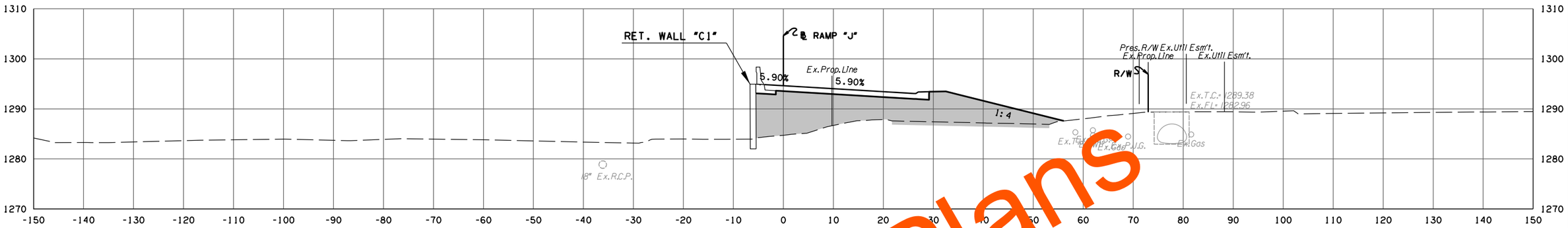
AREA

CUT FILL

VOLUME

CUT FILL

0 342 0 190



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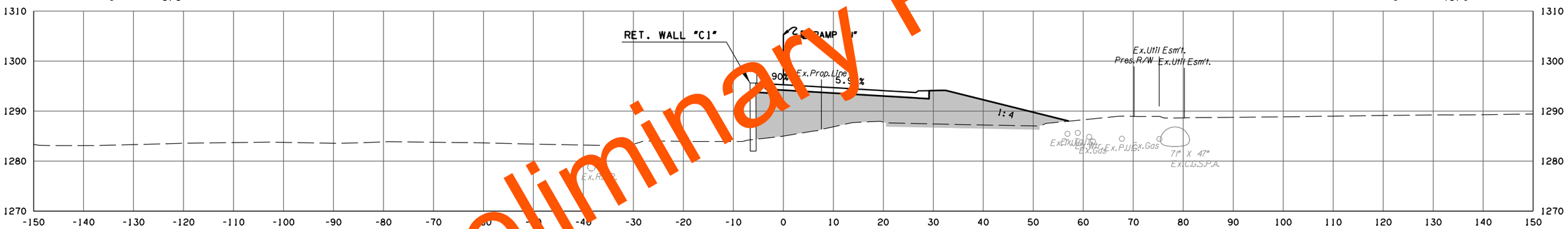
91 + 14.33

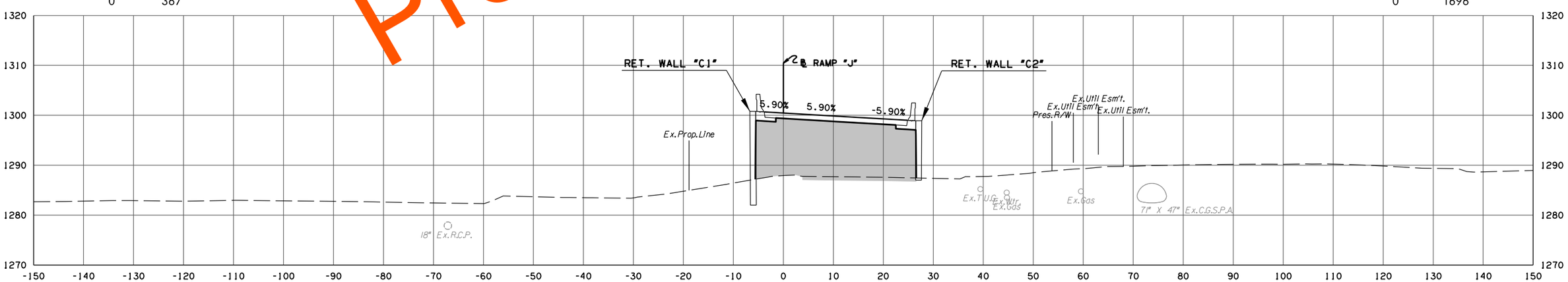
0 373 0 1370



F.G. ELEV. = 1295.28

91 + 00.00

0 367 0 1696



F.G. ELEV. = 1300.46

90 + 00.00

RAMP J

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X107

Preliminary Plans

5/27/2022 10:29:46 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

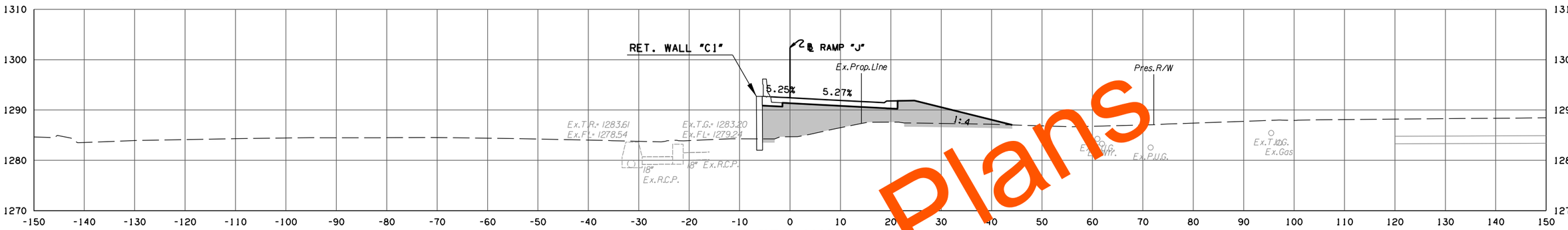
AREA

CUT FILL

VOLUME

CUT FILL

0 204 | 0 135



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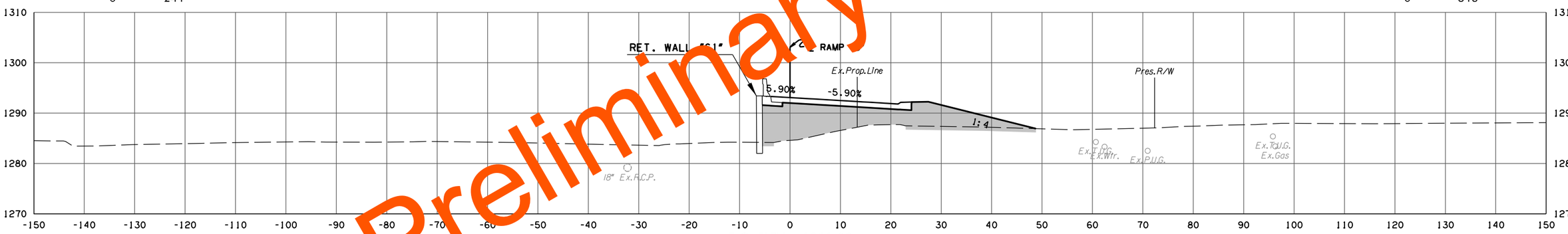
91+66.71

0 241 | 0 316



F.G. ELEV. = 1293.08

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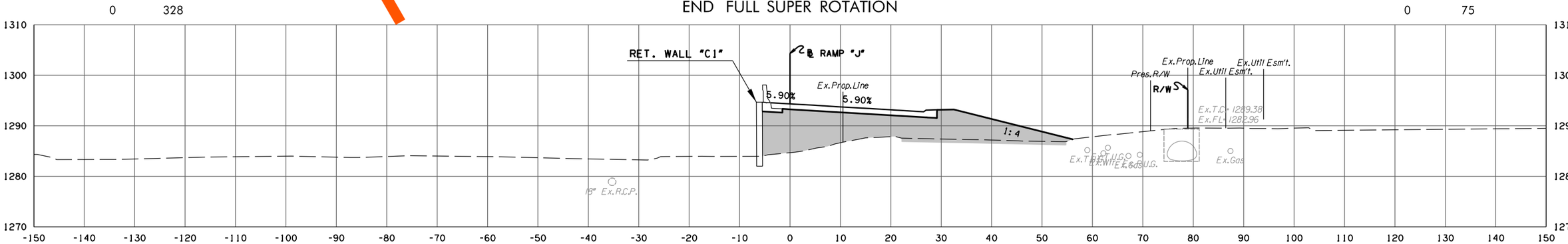
END FULL SUPER ROTATION

0 328 | 0 75



F.G. ELEV. = 1294.35

91+20.38

RAMP J

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X108

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

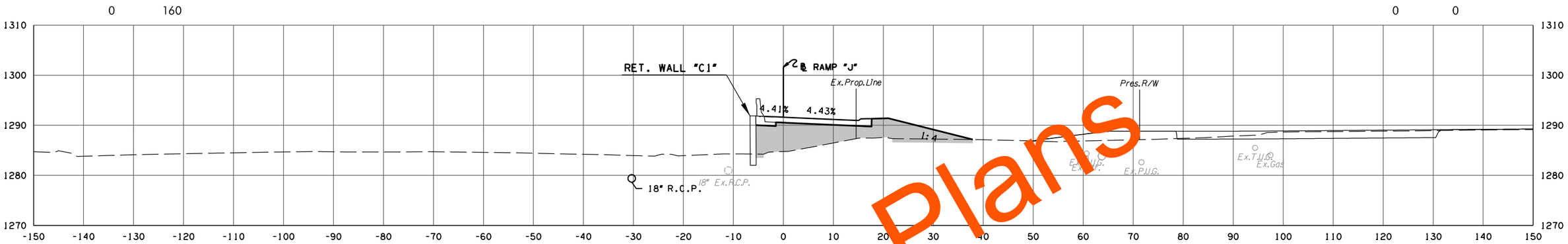
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST. NO.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

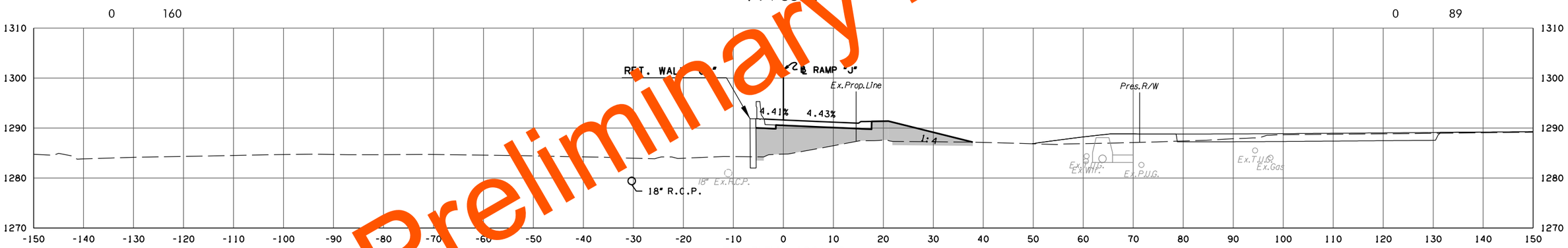
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

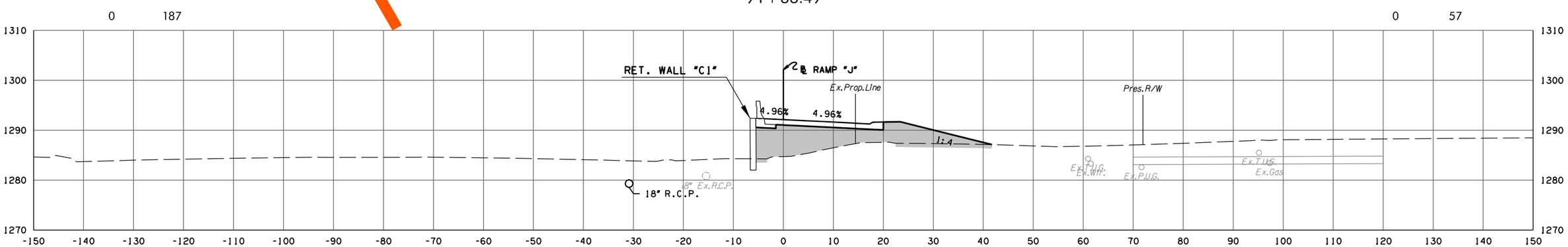
VOLUME
CUT FILL



F.G. ELEV. = 1291.62
91+88.49



F.G. ELEV. = 1291.62
91+88.49



F.G. ELEV. = 1292.13
91+74.59

RAMP J

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X109

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

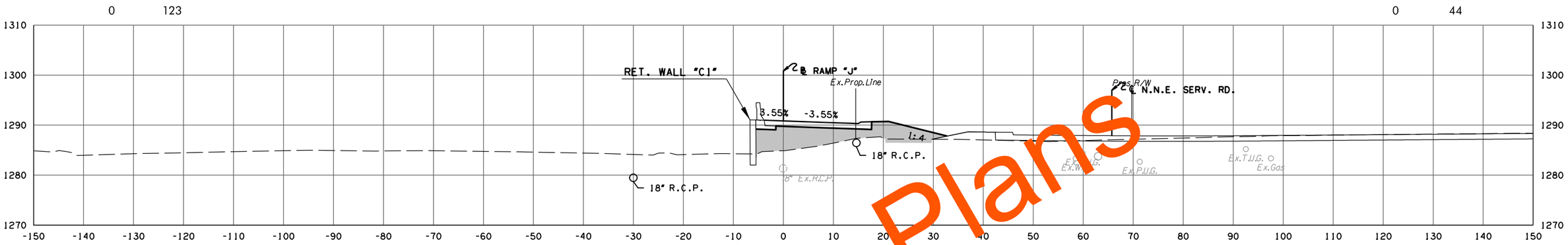
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

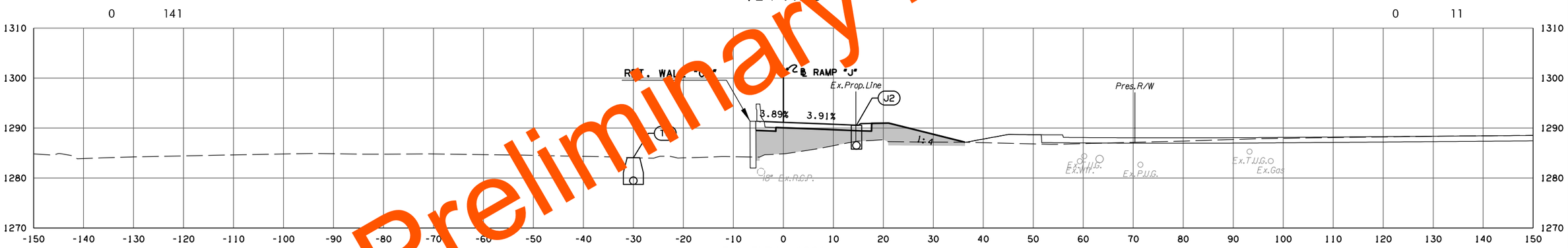
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

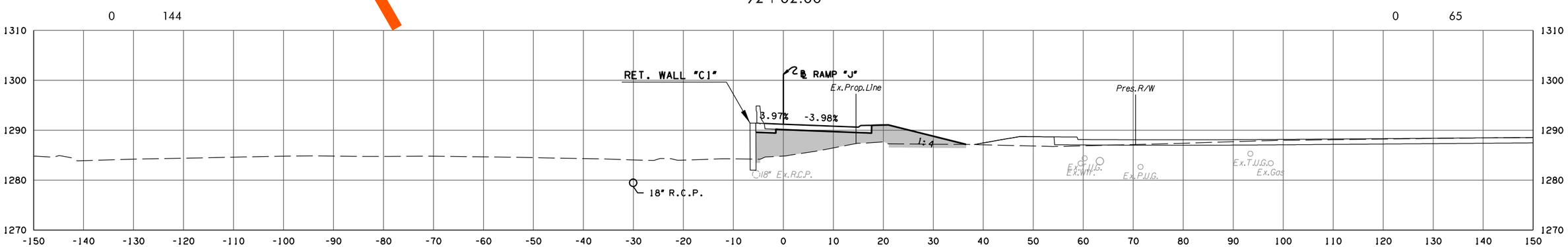
VOLUME
CUT FILL



F.G. ELEV. = 1290.84
92 + 11.10



F.G. ELEV. = 1291.14
92 + 02.00



F.G. ELEV. = 1291.21
92 + 00.00

RAMP J

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X110

Preliminary Plans

5/27/2022 10:29:20 AM
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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

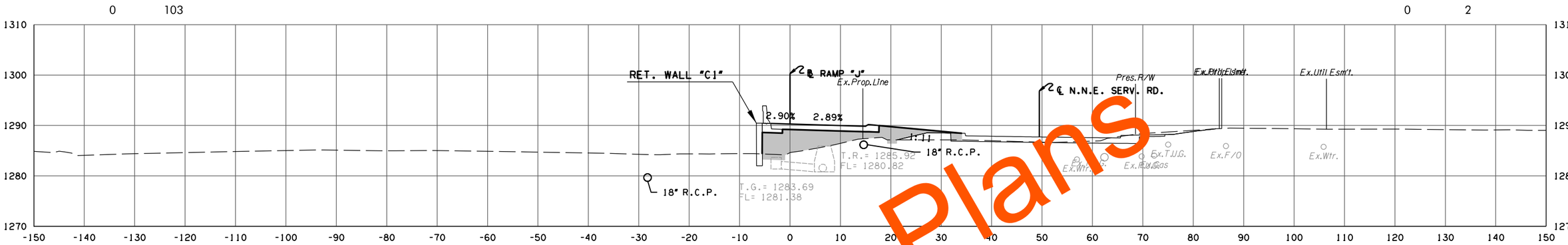
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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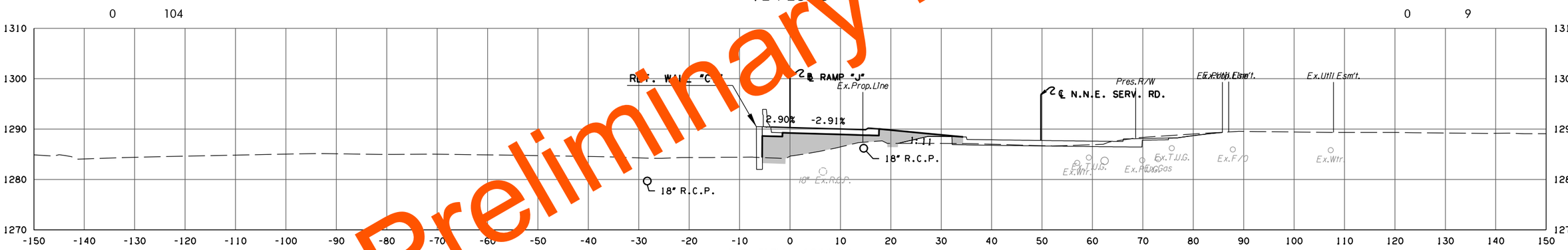
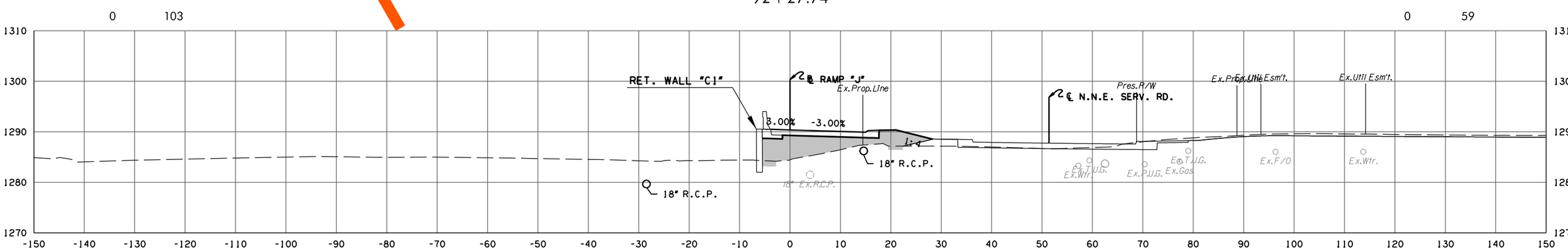
92 + 28.28



F.G. ELEV. = 1290.30

92 + 27.74



F.G. ELEV. = 1290.38

92 + 25.27

RAMP J

PHASE 2

STATE JOB NO.	09032(06)
OKLAHOMA COUNTY	SHEET NO. X111

Preliminary Plans

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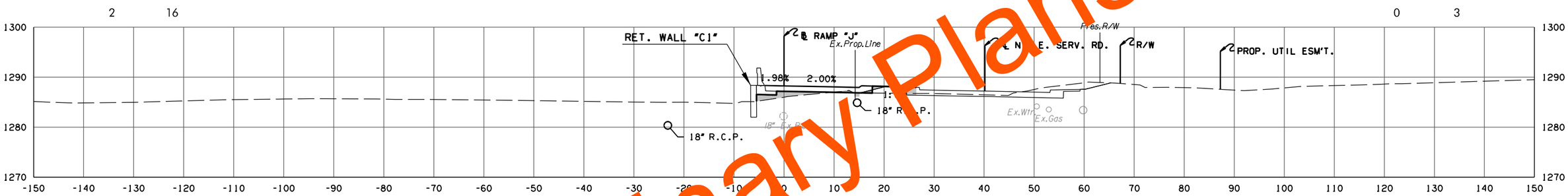
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

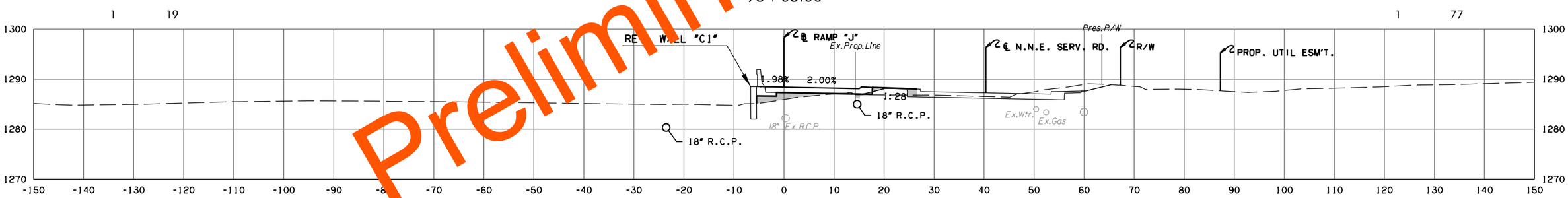
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

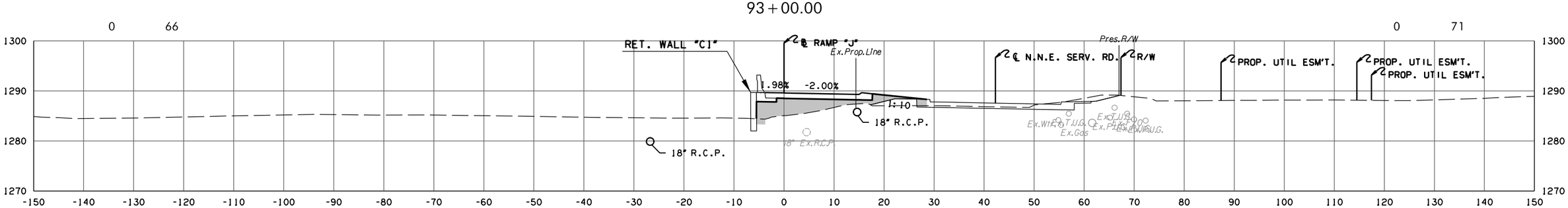
VOLUME
CUT FILL



F.G. ELEV. = 1288.26
93 + 05.00



F.G. ELEV. = 1288.37
93 + 00.00



F.G. ELEV. = 1289.60
92 + 51.20
END SUPER ROTATION

RAMP J

PHASE 2

STATE JOB NO.	09032(06)
OKLAHOMA COUNTY	SHEET NO. X112

Preliminary Plans

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

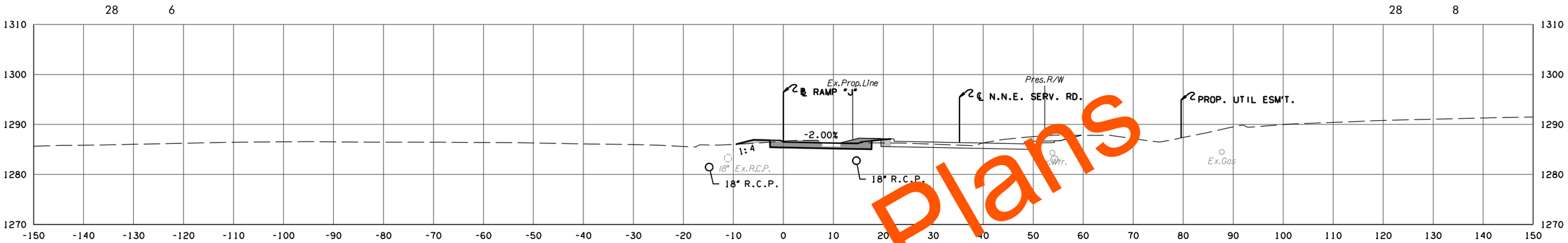
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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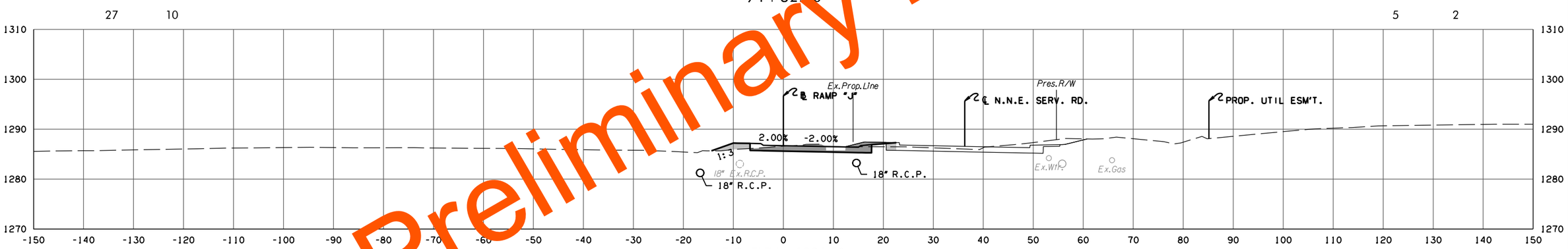
94 + 32.50



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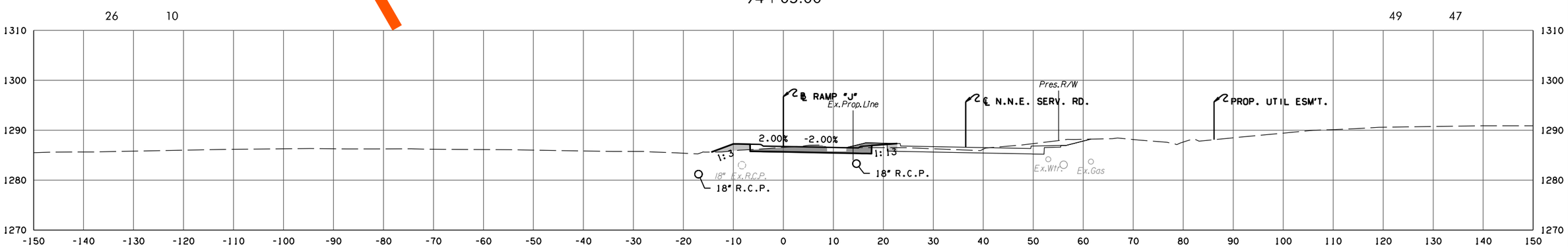
94 + 05.00



F.G. ELEV. = 1286.74

94 + 00.00

RAMP J

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X113

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

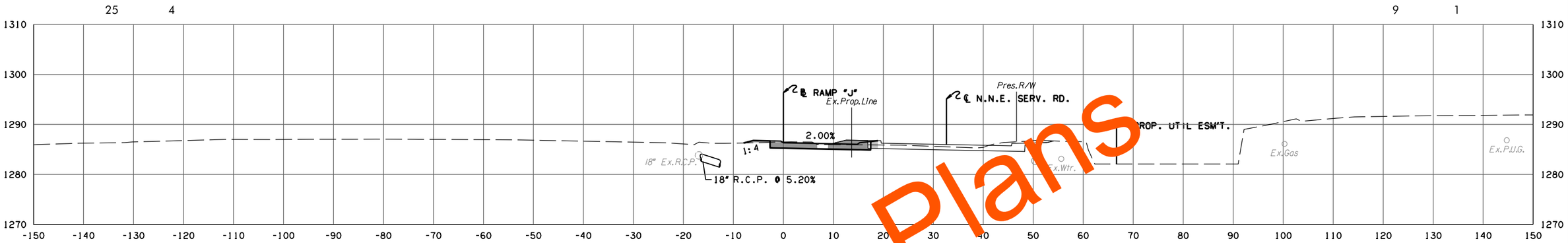
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

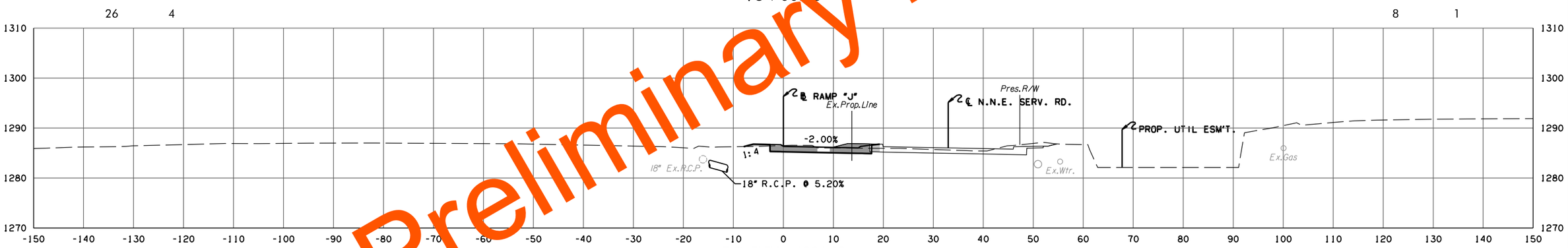
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1286.31
95+00.00



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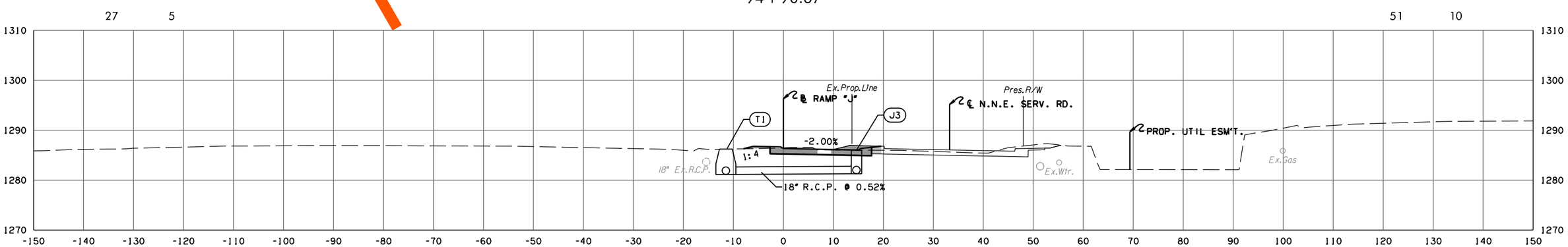
94+90.67



F.G. ELEV. = 1286.33
94+83.00

RAMP J

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X114

Preliminary Plans

5/27/2022 10:29:25 AM
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R/W & U/E PURCHASED UNDER JP 09032(05)

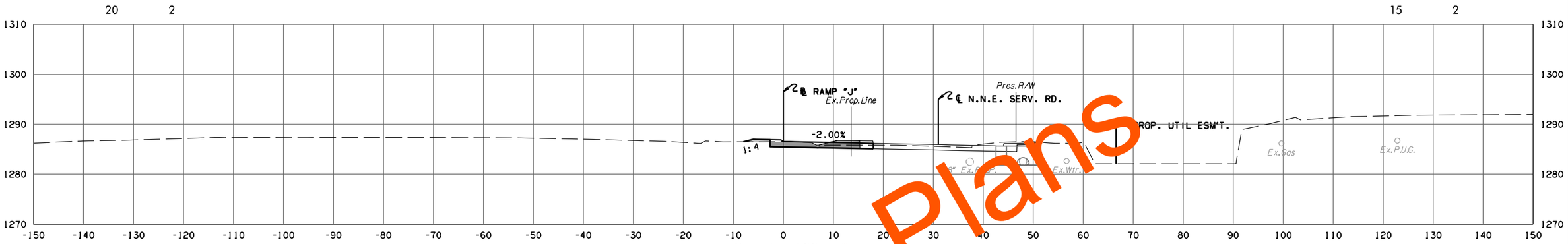
POE & ASSOCIATES, OKLAHOMA CITY, OK.

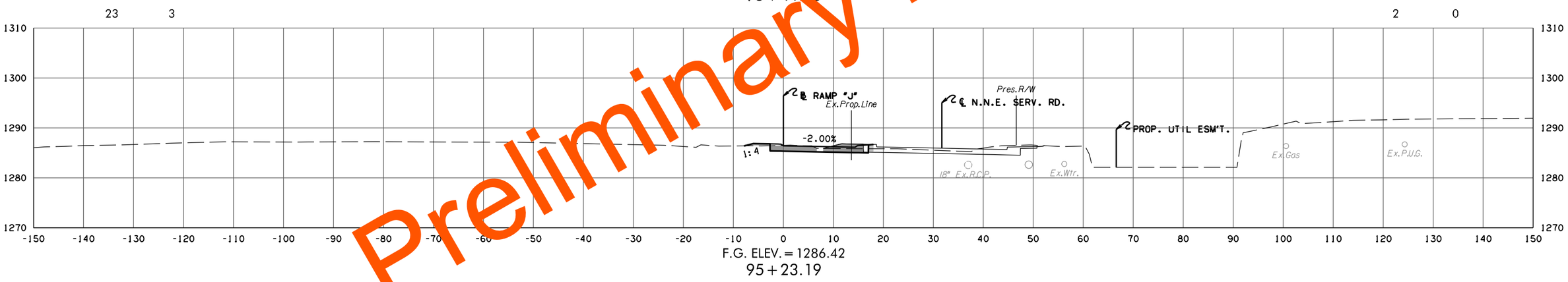
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

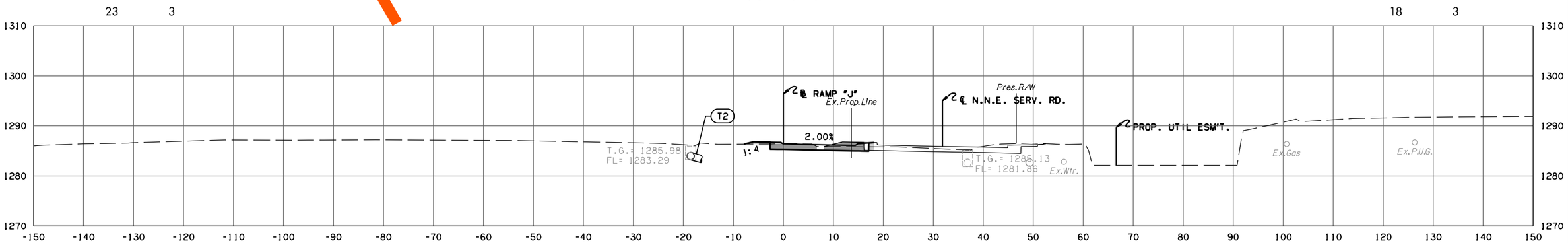
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL







Preliminary Plans

RAMP J

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X115

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

DEPTH & LOCATION OF EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

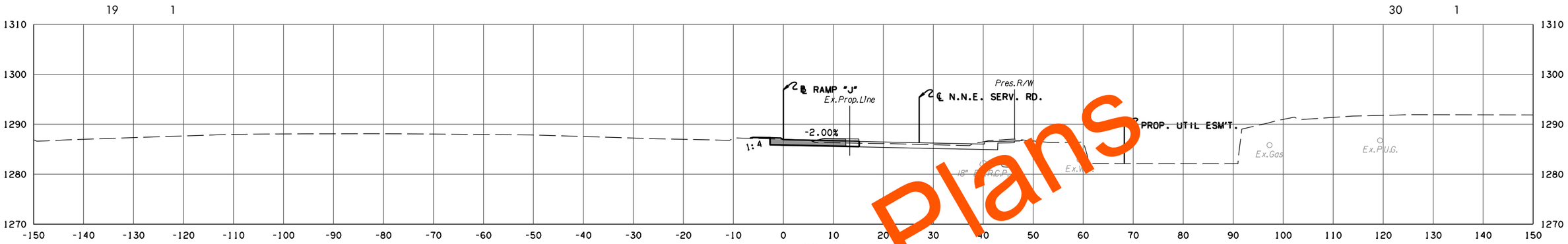
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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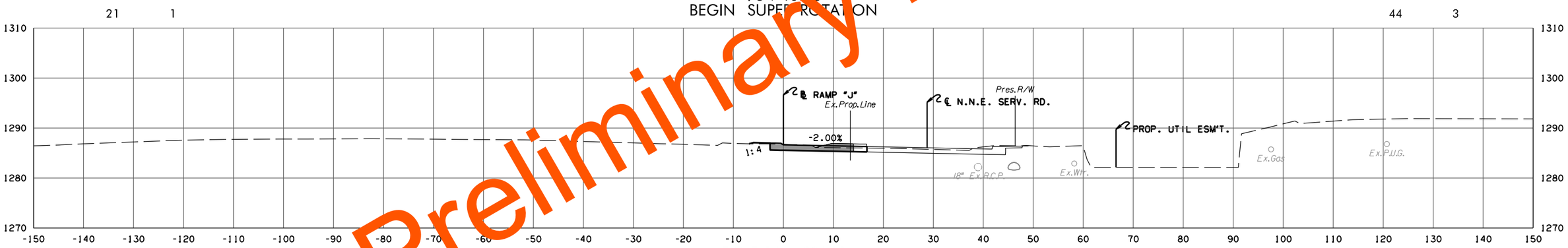
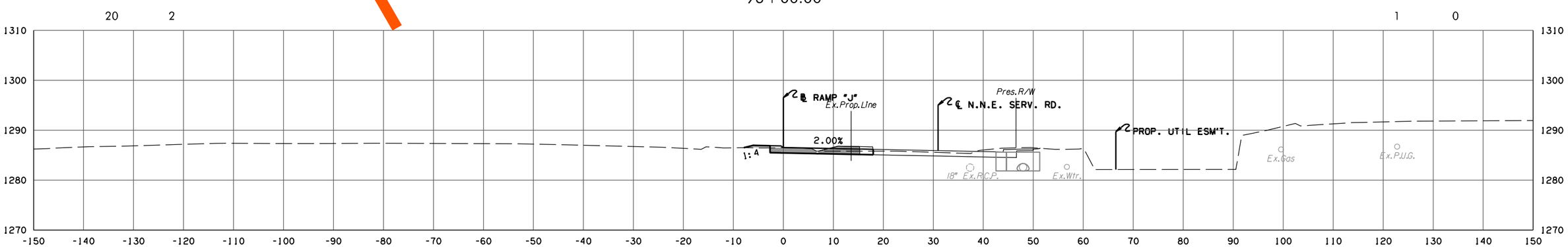


F.G. ELEV. = 1286.63
96 + 00.00



F.G. ELEV. = 1286.53
95 + 43.22

RAMP J

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X116

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

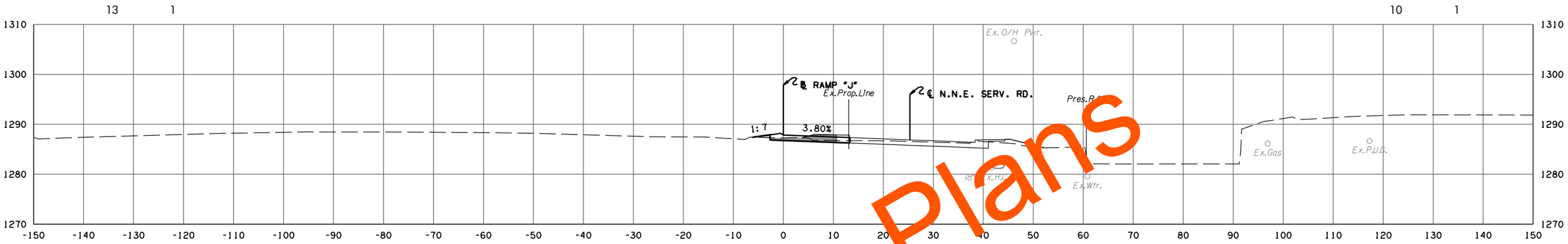
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

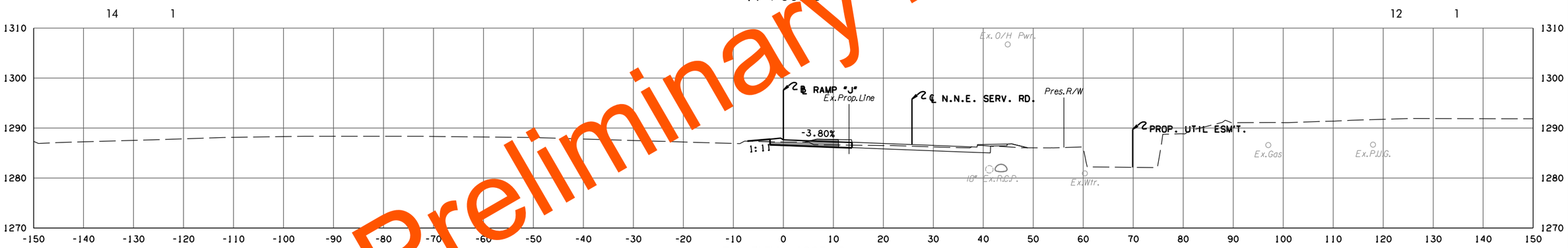
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

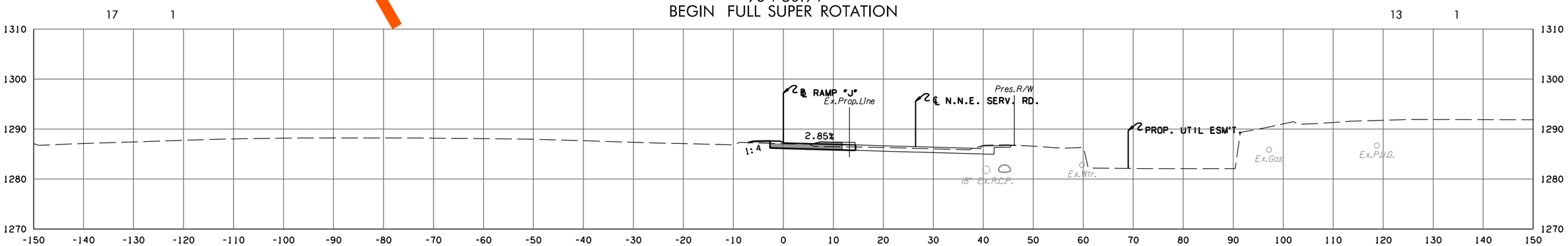
VOLUME
CUT FILL



F.G. ELEV. = 1287.84
97 + 00.00



F.G. ELEV. = 1287.62
96 + 80.91
BEGIN FULL SUPER ROTATION



F.G. ELEV. = 1287.24
96 + 59.49

RAMP J

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X117

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

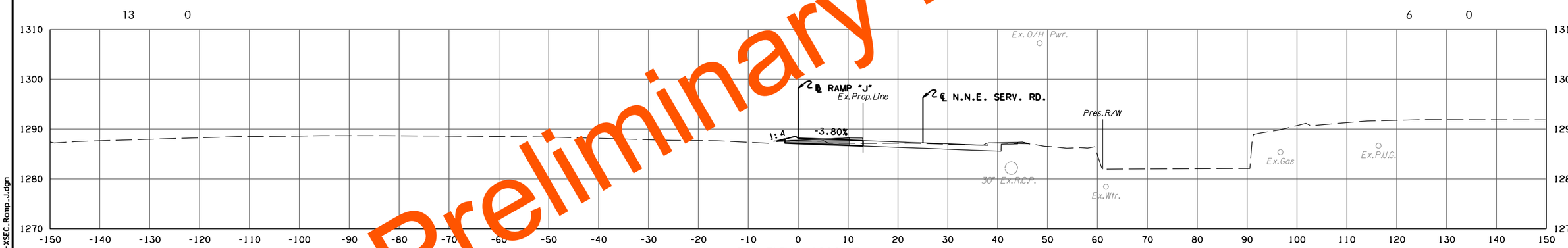
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

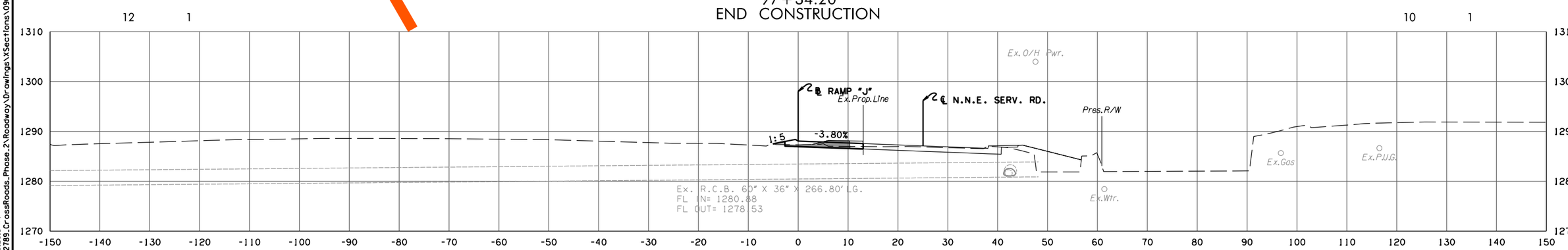
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1288.17
97 + 34.20
END CONSTRUCTION



F.G. ELEV. = 1288.05
97 + 21.62

RAMP J

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X118

Preliminary Plans

5/27/2022 10:29:31 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

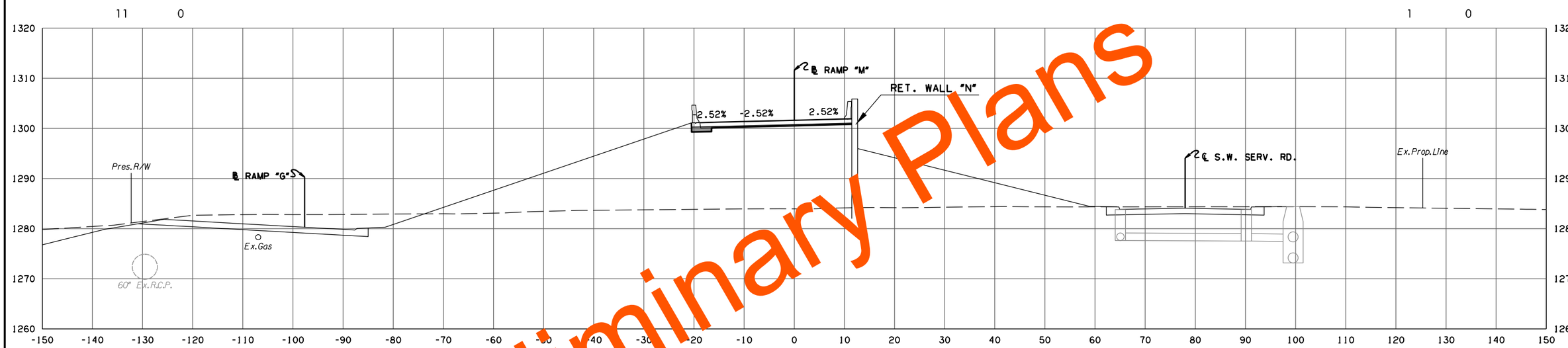
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

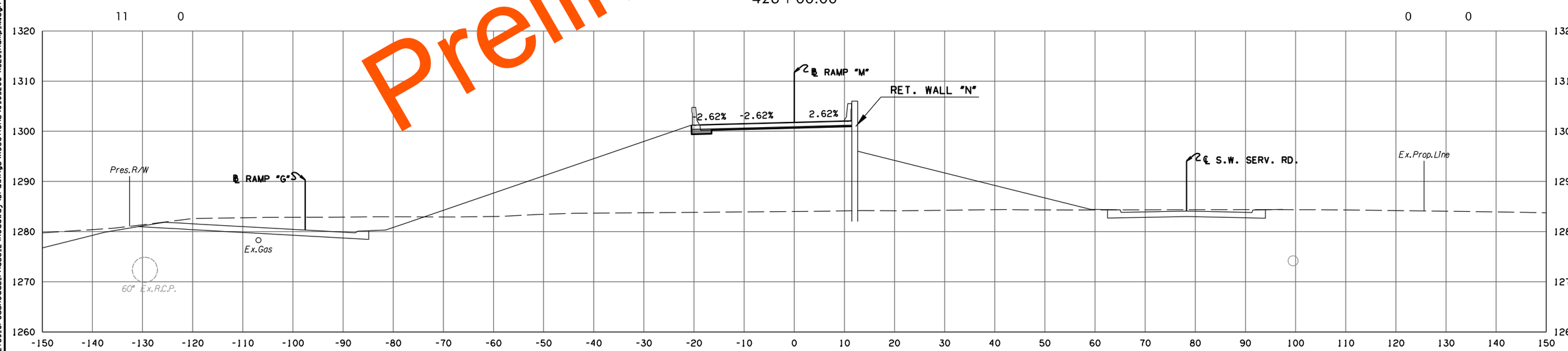
VOLUME

CUT FILL



F.G. ELEV. = 1301.63

426 + 00.00



F.G. ELEV. = 1301.76

425 + 97.34

BEGIN CONSTRUCTION

RAMP M

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X119

Preliminary Plans

5/27/2022 10:29:41 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

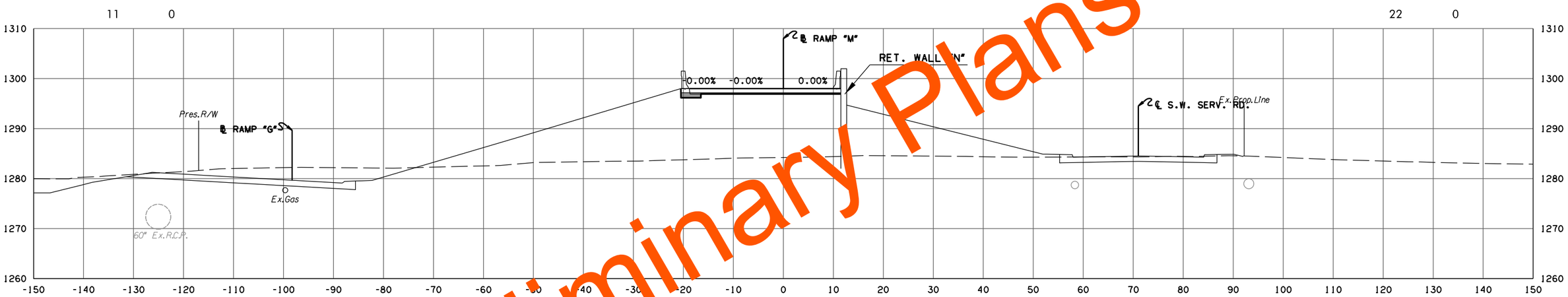
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

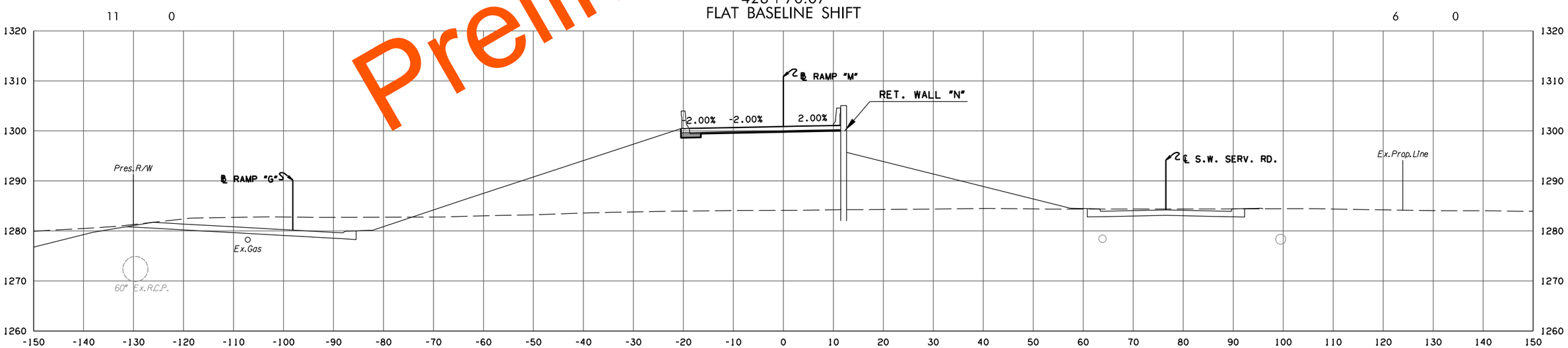
AREA
CUT FILL

VOLUME
CUT FILL

P.O.E. STA. 426+70.07 ~ BL RAMP "M"
P.O.B. STA. 426+70.07 ~ BL RAMP "M"
BL SHIFT 15.00' LT.



F.G. ELEV. = 1298.01
426+70.07
FLAT BASELINE SHIFT



F.G. ELEV. = 1300.88
426+14.51

RAMP M

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X120

Preliminary Plans

5/27/2022 10:29:42 AM
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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

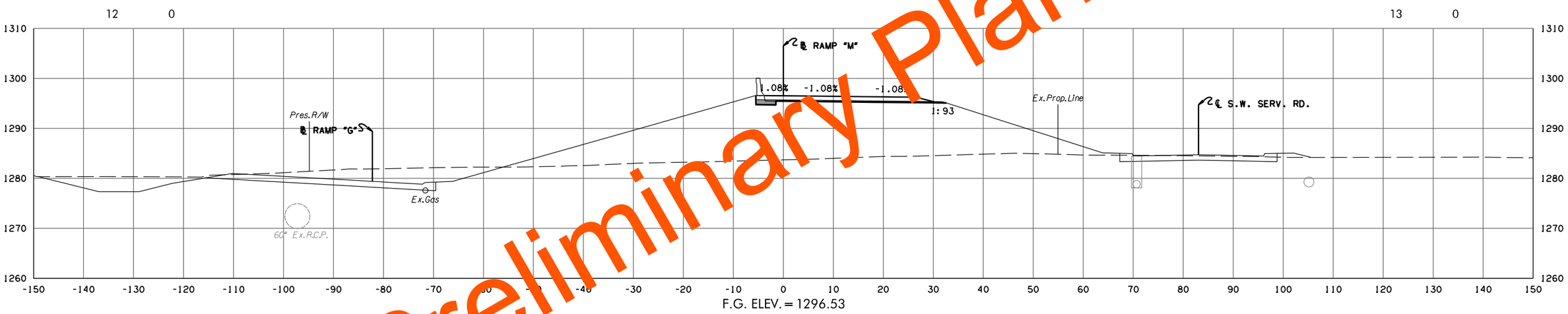
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1296.53
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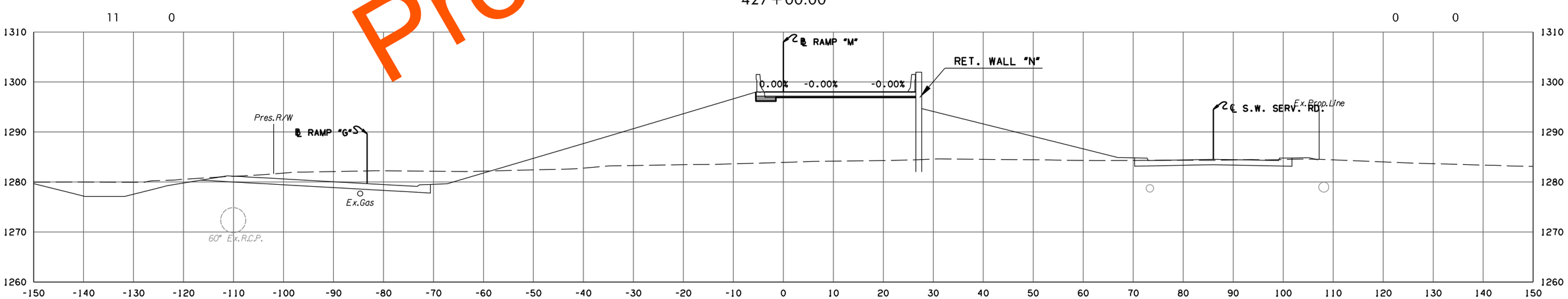

F.G. ELEV. = 1298.01
426 + 70.07
FLAT BASELINE SHIFT

RAMP M

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY

SHEET NO. X121

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

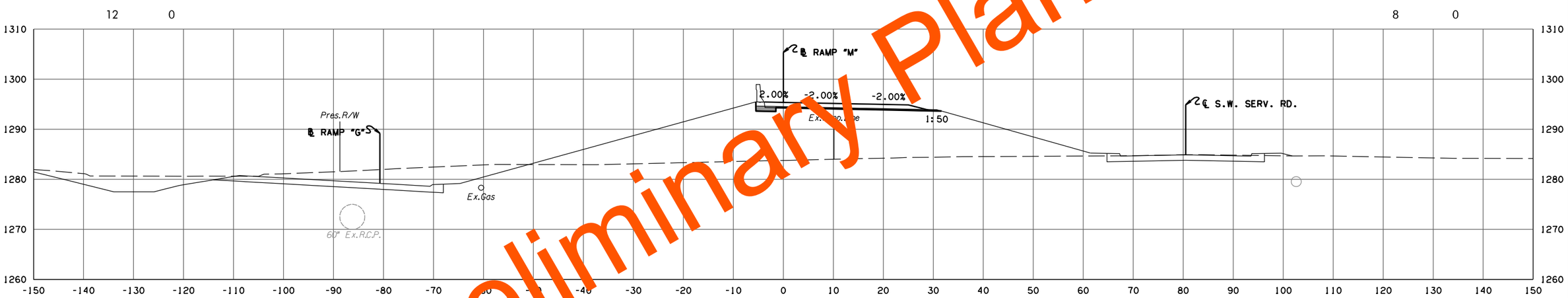
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1295.36
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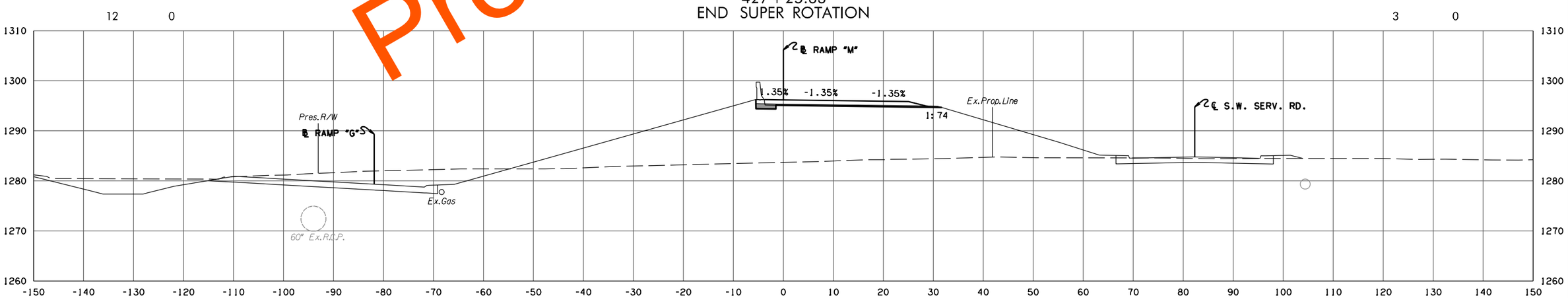
END SUPER ROTATION



F.G. ELEV. = 1296.18
427 + 07.50

RAMP M

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X122

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

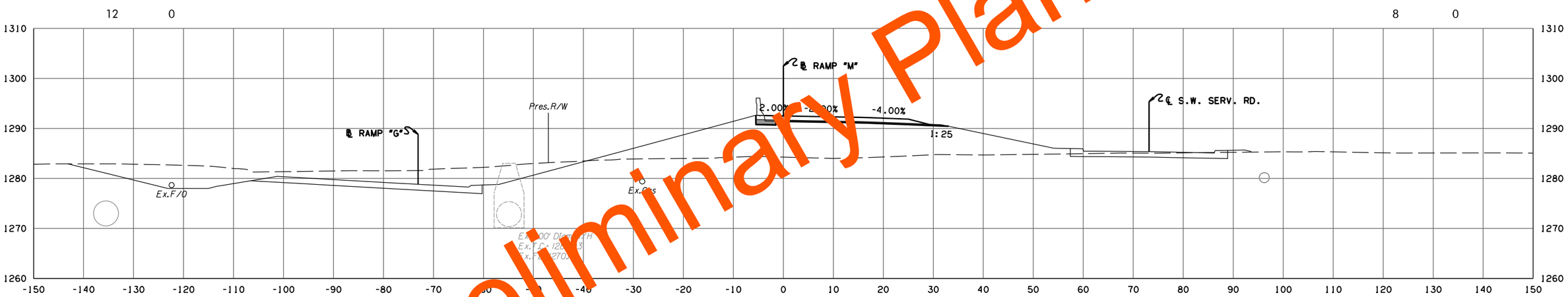
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

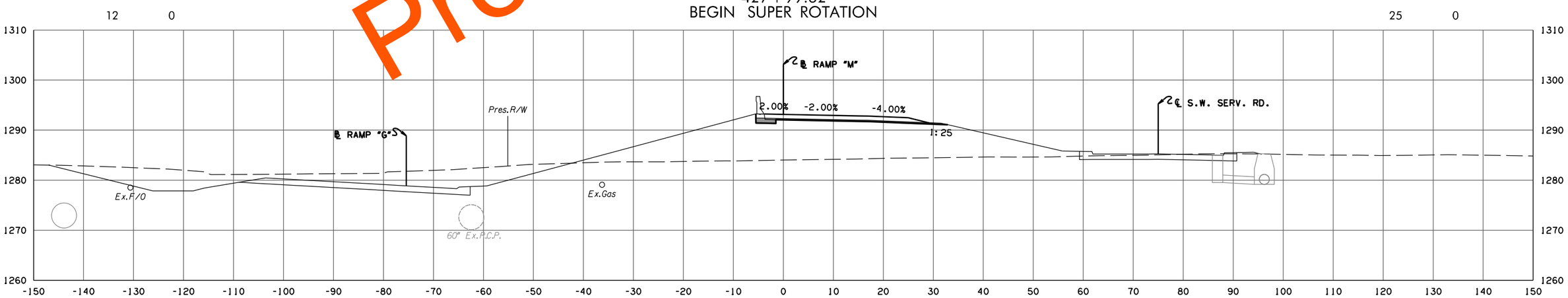
CUT FILL



F.G. ELEV. = 1292.51

427 + 99.62

BEGIN SUPER ROTATION



F.G. ELEV. = 1293.15

427 + 81.17

RAMP M

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X123

Preliminary Plans

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

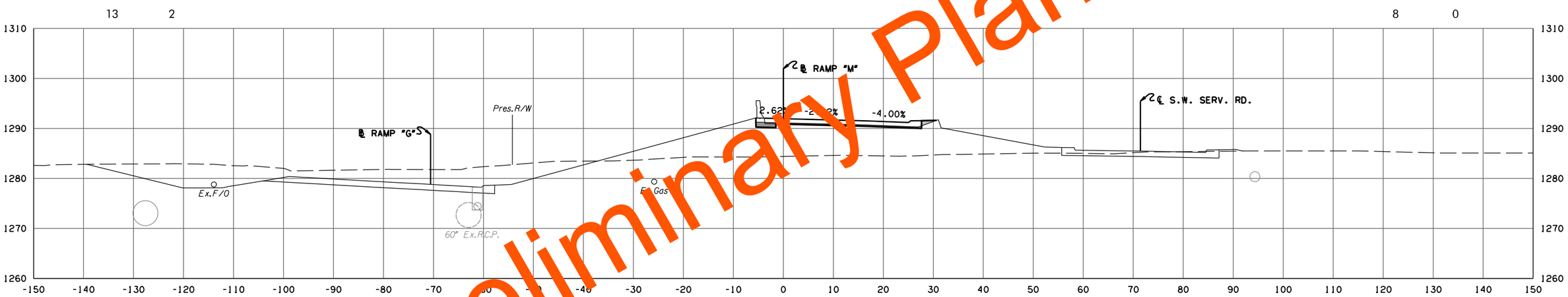
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

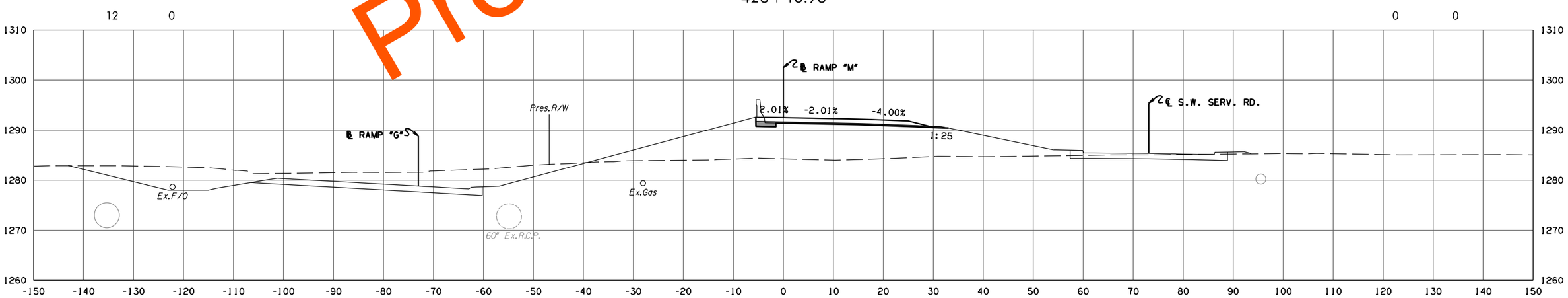
VOLUME

CUT FILL



F.G. ELEV. = 1291.96

428 + 16.98



F.G. ELEV. = 1292.50

428 + 00.00

RAMP M

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X124

Preliminary Plans

5/27/2022 10:29:46 AM
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R/W & U/E PURCHASED UNDER JP 09032(05)

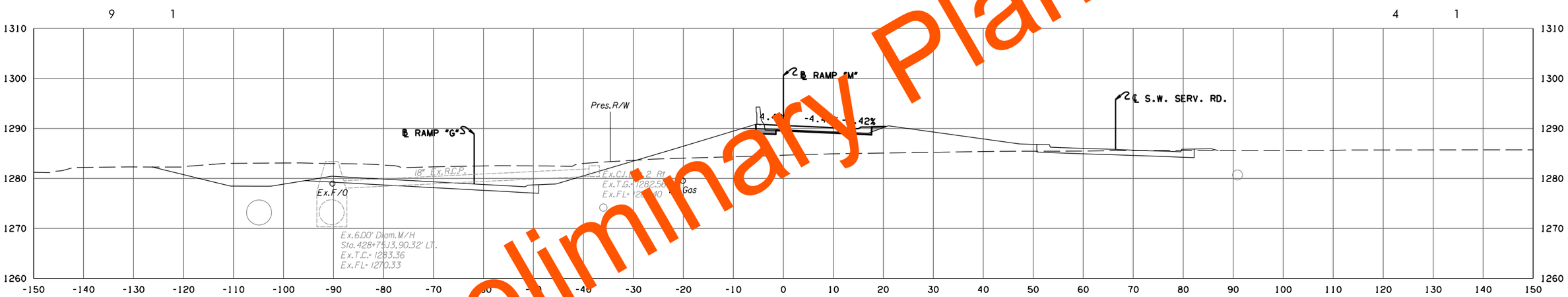
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

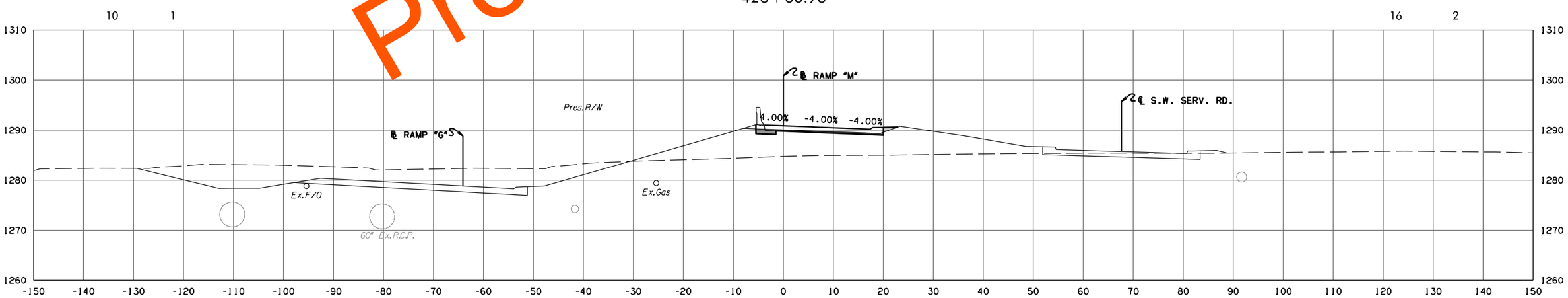
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



F.G. ELEV. = 1290.60
428 + 66.98



F.G. ELEV. = 1290.89
428 + 55.18

RAMP M

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X125

Preliminary Plans

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SEE DRAINAGE AREA MAP SHEETS FOR DRAINAGE SYMBOLOGY.

R/W & U/E PURCHASED UNDER JP 09032(05)

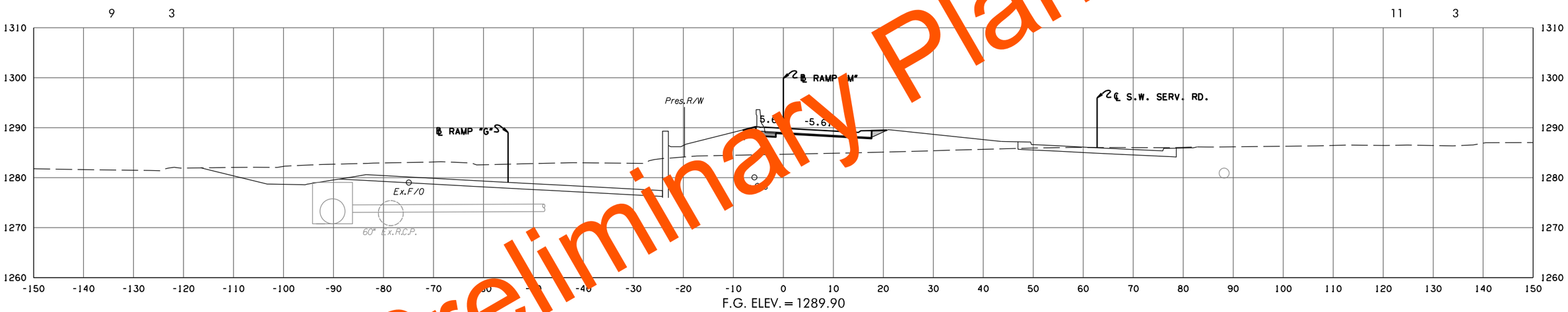
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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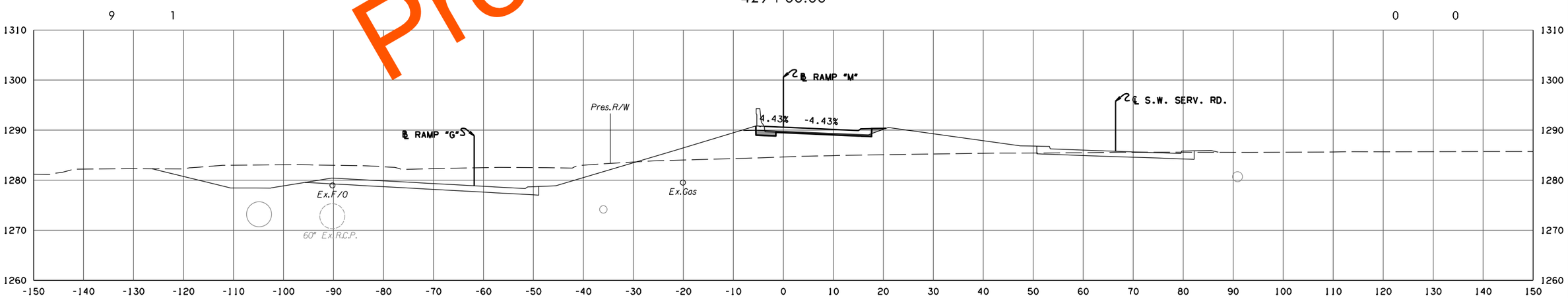

F.G. ELEV. = 1290.60
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RAMP M

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY
SHEET NO. X126

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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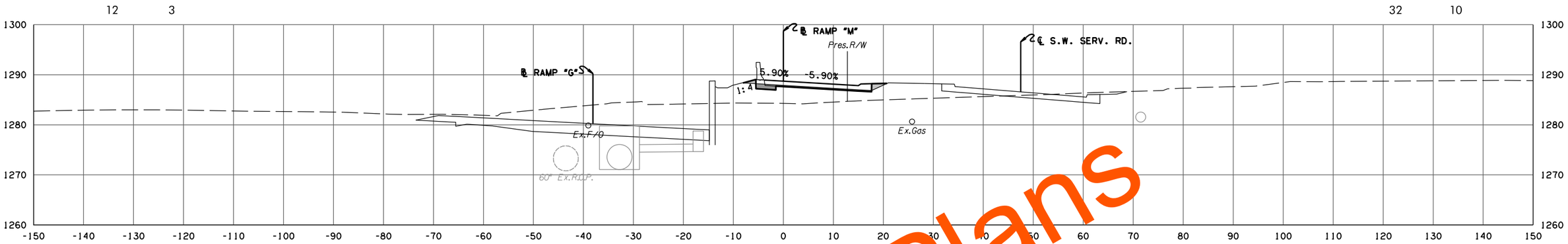
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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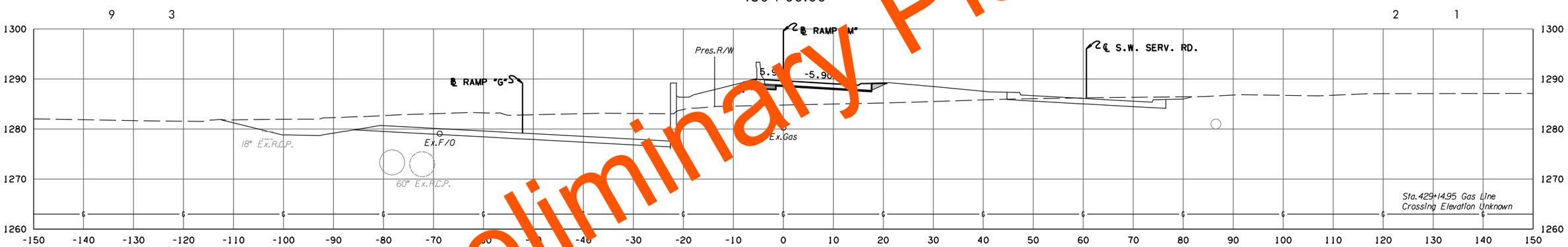

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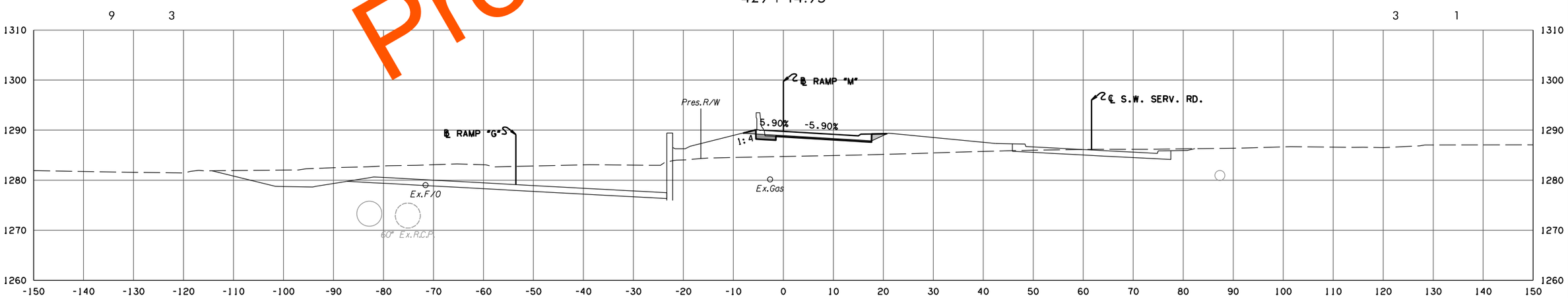

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429 + 07.96
BEGIN FULL SUPER ROTATION

RAMP M

PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X127

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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R/W & U/E PURCHASED UNDER JP 09032(05)

POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. DIST.	ROAD NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6		OKLA.				

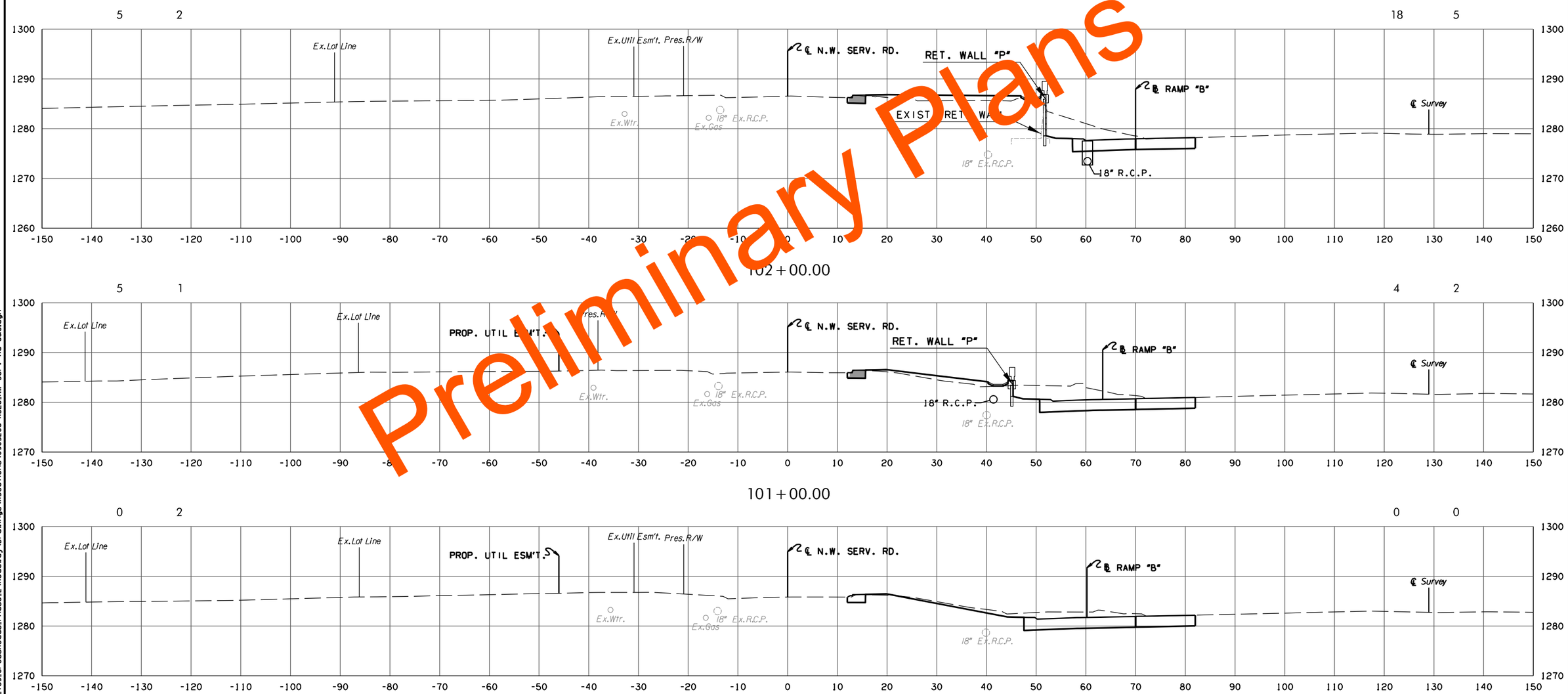
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



Preliminary Plans

100+52.14
BEGIN CONSTRUCTION

N.W. SERVICE RD. PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X128

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

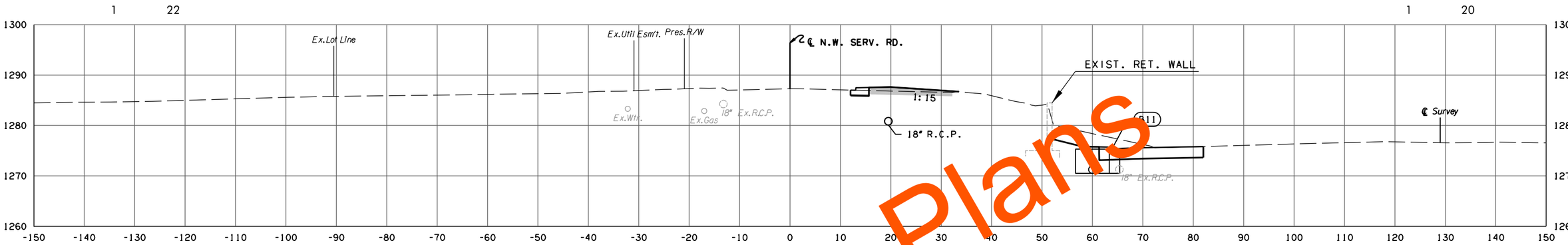
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA

CUT FILL

VOLUME

CUT FILL



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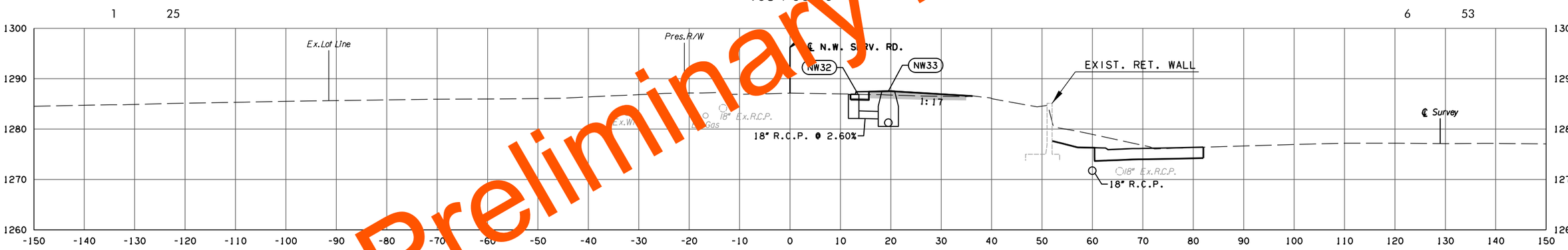

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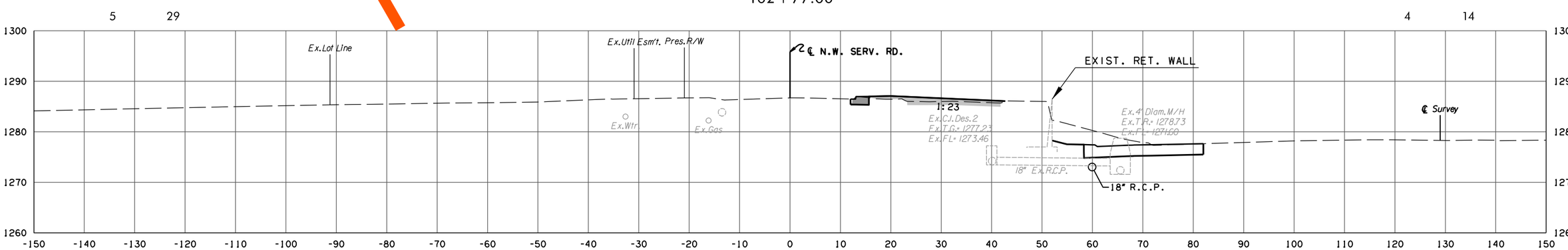

102+24.15

N.W. SERVICE RD.

PHASE 2

STATE JOB NO.	09032(06)	
OKLAHOMA	COUNTY	SHEET NO. X129

Preliminary Plans

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(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATION'S PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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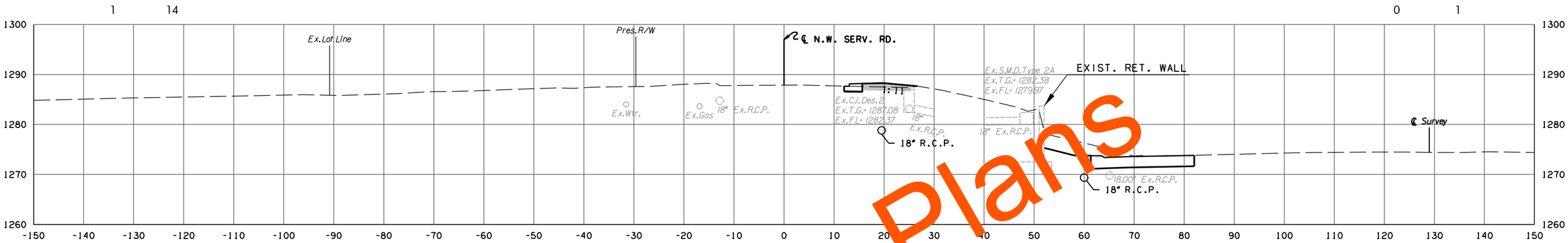
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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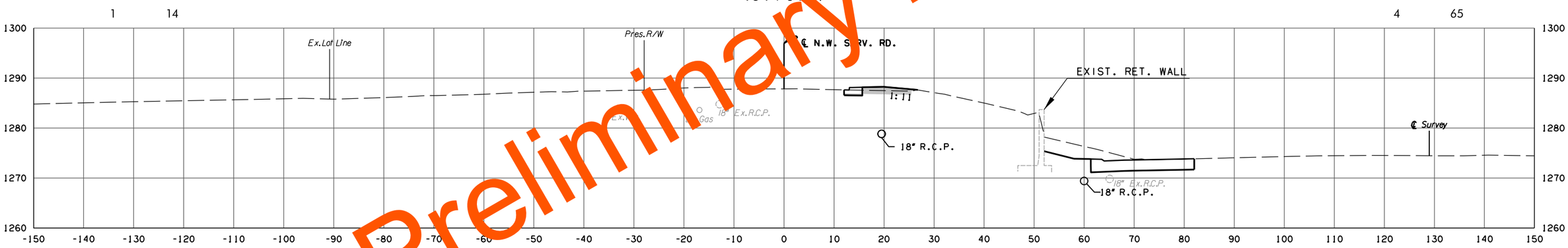

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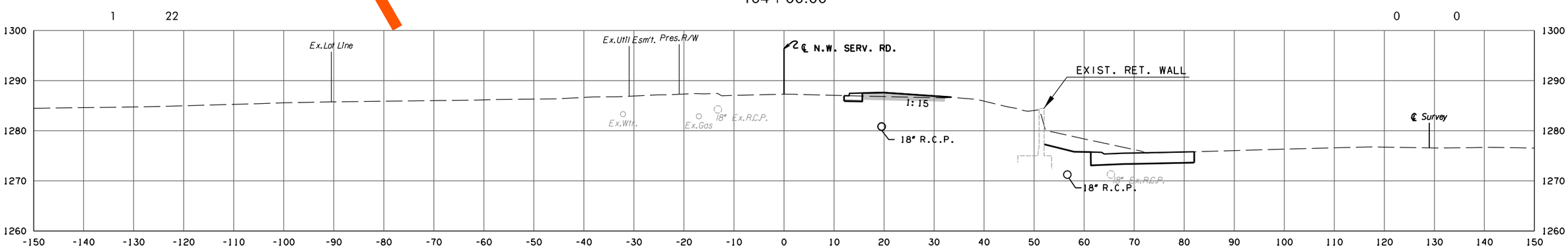

103+00.49

N.W. SERVICE RD. PHASE 2

STATE JOB NO. 09032(06)
OKLAHOMA COUNTY SHEET NO. X130

Preliminary Plans

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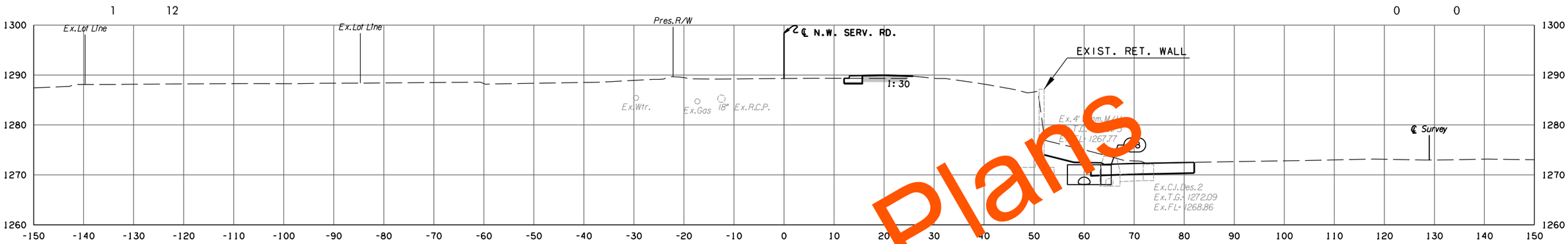
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

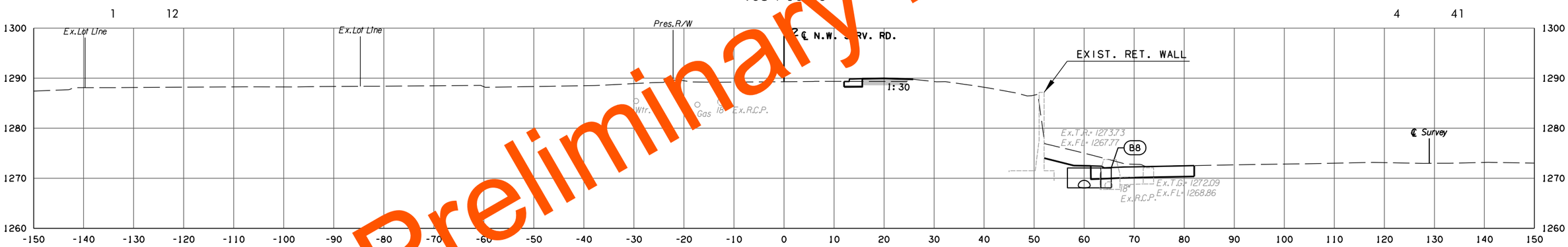
DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



105+00.00



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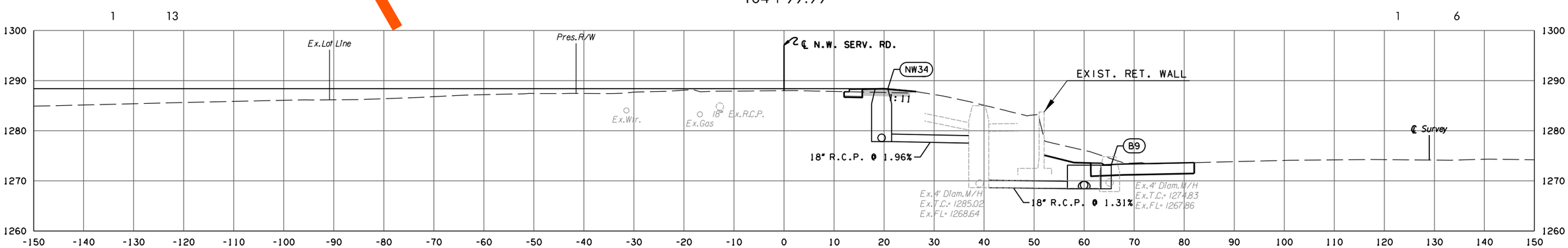

104+13.56

N.W. SERVICE RD.

PHASE 2

STATE JOB NO.	09032(06)	
OKLAHOMA	COUNTY	SHEET NO. X131

Preliminary Plans

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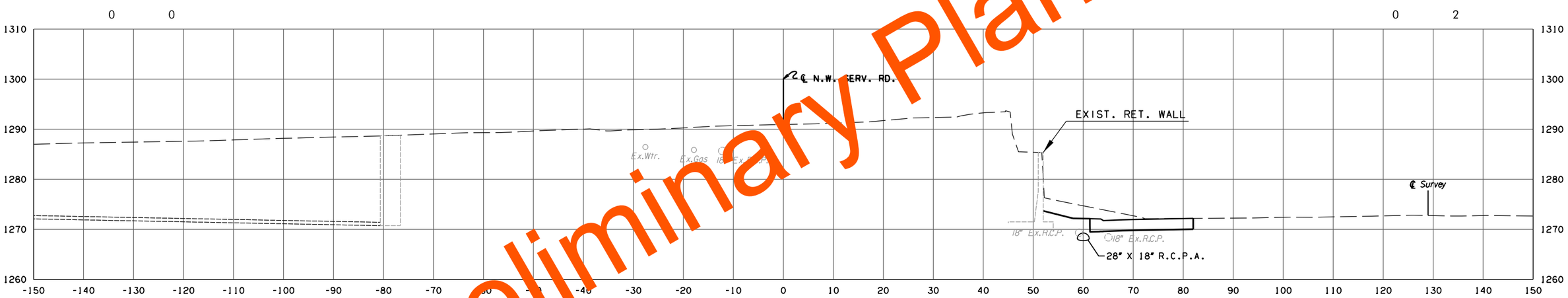
POE & ASSOCIATES, OKLAHOMA CITY, OK.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE
	5/27/2022	

AREA
CUT FILL

VOLUME
CUT FILL



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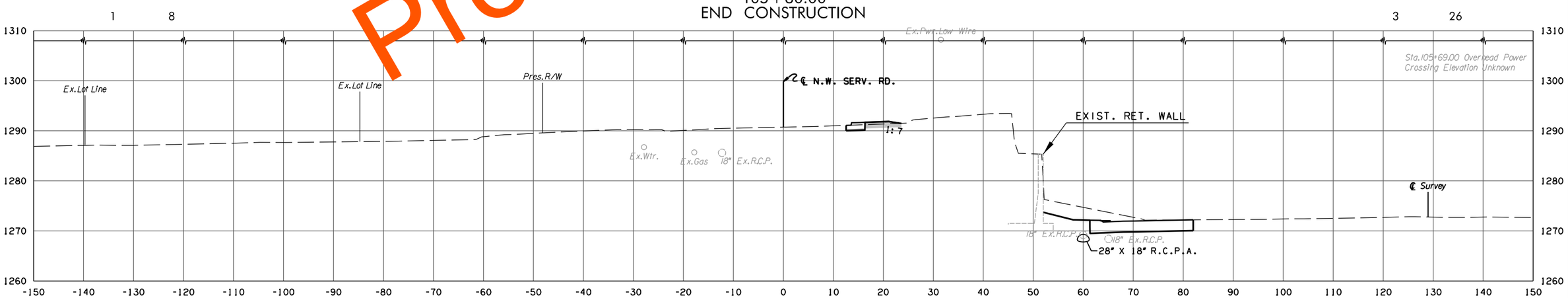

105+69.00

N.W. SERVICE RD.

PHASE 2

STATE JOB NO. 09032(06)

OKLAHOMA COUNTY SHEET NO. X132

Preliminary Plans

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