

LEGEND OF SYMBOLS

	FENCES		EXISTING FIRE HYDRANT
	PROFILE-EXISTING GROUND CENTERLINE		PROPOSED FIRE HYDRANT
	GRADE LINES		EXISTING WATER VALVE
	EXISTING ROADS, DRIVEWAYS, PARKING, AND SIDEWALKS		EXISTING WATER METER
	C.R.L.		PROPOSED WATER METER
	BUILDINGS		EXISTING WATER VAULT
	PROPERTY LINE		EXISTING GAS VALVE
	RIGHT-OF-WAY LINES-EXISTING		GAS METER/GAS RISER
	RIGHT-OF-WAY LINES-GEN. & UTIL. ESMT.		ORNAMENTAL LIGHT
	RIGHT-OF-WAY LINES-EXISTING ESMT.		PEDESTAL LIGHT
	EXISTING AERIAL POWER LINES & POWER POLES		YARD LIGHT, ETC.
	EXISTING UNDERGROUND POWER LINES		STREET LIGHT
	EXISTING SANITARY SEWERS		POWER POLE
	EXISTING GAS LINES		GUY ANCHOR
	EXISTING WATER LINES		HANDICAP RAMP
	EXISTING CHILLED WATER LINES		TRAFFIC SIGNAL POLE
	EXISTING STEAM LINES		EXISTING TRAFFIC SIGNAL PULLBOX
	EXISTING UNDERGROUND TELEPHONE CABLES		UTILITY PEDESTAL
	EXISTING UNDERGROUND CABLE TV LINES		TELEPHONE RISER
	EXISTING STORM SEWER		POLE OR POST
	PROPOSED STORM SEWER		PARKING METER
	EXISTING STORM SEWER MANHOLE		SIGN
	PROPOSED STORM SEWER MANHOLE		BENCH MARK
	EXISTING SANITARY SEWER MANHOLE		SECTION CORNER
	EXISTING CURB INLET		SOIL BORINGS
	PROPOSED CURB INLET		BRUSH OR SHRUB
	PROPOSED INLET W/ACCESS MANHOLE		TREE
	EXISTING DROP INLET		
	PROPOSED DROP INLET		
	RAILROAD		
	RAILROAD SIGNAL		

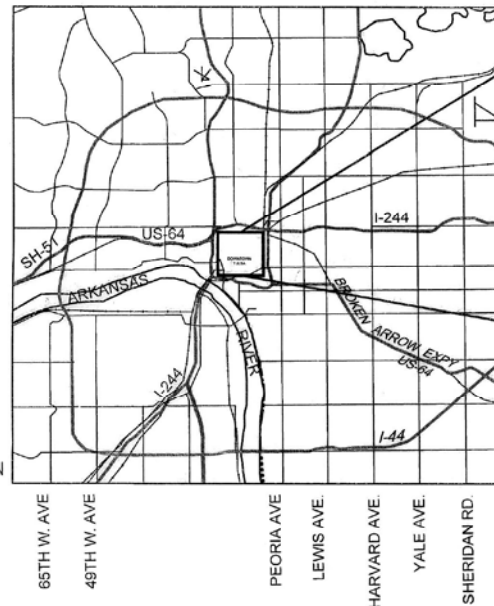
UTILITY CONTACTS

CITY OF TULSA	TONY GLYNN	918-596-9245
AEP/PSO	EMERGENCY	888-216-3523
ONG	EMERGENCY	800-661-5163
AT&T	EMERGENCY	800-288-2020
COX COMMUNICATIONS	CUSTOMER SERVICE	918-806-6000
VERIZON	CUSTOMER SERVICE	888-294-6804
WINDSTREAM	CUSTOMER SERVICE	800-347-1991

DESIGN DATA

DESIGN SPEED	= 25 MPH
2025 ADT	= 5,069
2045 ADT	= 8,462
ADTT	= 2%
RIGID ESAL's	= 1,871,000

END S. CHEYENNE AVE.
PROJECT



N.T.S.

BEGIN S. CHEYENNE AVE.
PROJECT

CITY OF TULSA

ENTIRE PROJECT IS WITHIN THE CORPORATE AND
URBAN LIMITS OF THE CITY OF TULSA

3 LANE-0.86 MILES REHABILITATION
CONVERT 1-WAY SOUTHBOUND TO 2-WAY
WITH BIKE LANE AND SHARROWS



INDEX OF SHEETS

1	COVER SHEET
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37	51 TRAFFIC CONTROL PLANS
T1	T21 SIGNAL PLAN SHEETS
XS01	CROSS SECTIONS

CITY OF TULSA STD. DRAWINGS ODOT STANDARD DRAWINGS

102	614A	SSS-2-1	RSD1-1-00
601	614B	LECS-5-3	RSD2-1-00
602	618	TWD-2-3	GMS1-1-00
603	725		PM6-1-00
607A	766		
607B	790		TCS1-1-01
608A			TCS2-1-00
608B			TCS3-1-01
610A			TCS4-1-01
610B			TCS5-1-00
610C			TCS6-1-02
611B			TCS7-1-02
			TCS8-1-00
			TCS9-1-01
			TCS10-1-00
			TCS11-1-01
			TCS14-1-00
			TCS19-1-01
			TCS20-1-00
			TCS21-1-02



CITY OF TULSA, OKLAHOMA

J. Bates 8/10/2026
DATE

CITY ENGINEER

ADVERTISEMENT DATE: 08.14.26

PREPARED AND SUBMITTED BY:



POE & ASSOCIATES, INC.
4606 S. GARNETT RD., STE. 600
TULSA, OK 74146 (918) 665-8800
FAX: (918) 665-6076

Jared T. Bates
JARED T. BATES
REGISTERED P.E. NO. 20681

3/6/2026
DATE

Sht. No. 1 of 72

CERTIFICATE OF AUTHORIZATION NO. CA 541 P.E., I.S. EFFECTIVE DATE 6-30-27

ITEM	SPEC. NO.	DESCRIPTION	PAY ITEM NOTES								UNIT	QUANTITY
1	202(A)	UNCLASSIFIED EXCAVATION	E-3	E-4	R-1					CY	436	
2	220	SWPPP DOCUMENTATION AND MANAGEMENT	E-2	E-6	E-7	E-8				LS	1	
3	230(A)	SOLID SLAB SODDING								SY	15	
4	303(A)	AGGREGATE BASE, TYPE A	S-1	S-2						CY	439	
5	310(B)	SUBGRADE METHOD B								SY	1,788	
6	325	SEPARATOR FABRIC	S-3							SY	1,690	
7	409	FABRIC REINFORCEMENT	S-4							SY	10,047	
8	411	CRACK SEALING ASPHALT PAVEMENT								LF	50	
9	411(C)	SUPERPAVE, TYPE S4 (PG70-28 OK) INSOLUBLE	S-5	S-6	S-7	S-8				TON	1,125	
10	411(D)	SUPERPAVE, TYPE S6 (PG70-28 OK)	S-5	S-6	S-7	S-8	S-23	G-1		TON	113	
11	412	COLD MILL PAVEMENT-2"	S-9	S-22	S-23					SY	10,047	
12	511(A)	REINFORCING STEEL								LB	200	
13	COT 608	GROUND SIGN	TO-5							SF	238	
14	COT 608	1-1/2" SIGN POST								LF	10	
15	COT 608	1-3/4" SIGN POST								LF	498	
16	COT 608	2" SIGN POST								LF	141	
17	609(B)	2'-2" COMBINED CURB AND GUTTER (6" BARRIER)	S-1	S-10	S-12	S-13	S-15	S-16	SP-1	LF	349	
18	610(A)	4" CONCRETE SIDEWALK	S-12	S-13	S-16	S-17	SP-1			SY	496	
19	610(B)	6" CONCRETE DRIVEWAY (H.E.S.)	S-12	S-13	S-16	S-17	SP-1			SY	20	
20	610(I)	TACTILE WARNING DEVICE								SF	350	
21	611(K)	REPLACE INLET GRATE W/ TYPE C								EA	43	
22	612(A)	MANHOLE ADJUSTED TO GRADE (PUBLIC)	S-12	R-2	D-1	D-2	D-6			EA	10	
23	612(A)	MANHOLE ADJUSTED TO GRADE (PRIVATE)	S-13	R-2	D-1	D-2	D-6			FA	3	
24	612(C)	INLET ADJUSTED TO GRADE	S-13	R-2	D-1	D-2	D-6	D-7	D-9	EA	1	
25	612(E)	VALVE BOXES ADJUSTED TO GRADE	S-12	R-2	D-6					EA	13	
26	619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS								LS	1	
27	619(B)	REMOVAL OF EXISTING CONCRETE DRIVEWAYS								SY	20	
28	619(B)	REMOVAL OF EXISTING CONCRETE SIDEWALK								SY	496	
29	619(B)	REMOVAL OF EXISTING CONCRETE PAVERS	R-1	SP-2						SY	20	
30	619(B)	REMOVAL OF CURB & GUTTER								LF	214	
31	619(B)	REMOVAL OF CURB RAMP								EA	37	
32	641	MOBILIZATION	G-2							EA	1	
33	642	CONSTRUCTION STAKING, LEVEL II	G-3	G-4						EA	1	
34	805(A)	REMOVAL OF TRAFFIC ITEMS	T-1							EA	1	
35	855(A)	TRAFFIC STRIPE (PLASTIC) (4" WIDE)	T-3							LF	10,175	
36	855(A)	TRAFFIC STRIPE (PLASTIC) (6" WIDE)	T-3							LF	120	
37	855(A)	TRAFFIC STRIPE (PLASTIC) (8" WIDE)	T-3							LF	27,356	
38	855(A)	TRAFFIC STRIPE (PLASTIC) (24" WIDE)	T-3							LF	4,331	
39	855(A)	TRAFFIC STRIPE (PAINT) (FIRE ZONE)	T-4							LF	235	
40	855(B)	TRAFFIC STRIPE (PLASTIC) (SYMBOLS, WORDS, ETC.)	T-3							EA	90	
41	857(C)	REMOVABLE PAVEMENT MARKING TAPE								LF	15,000	
42	857(E)	CONSTRUCTION ZONE PAVEMENT MARKERS (FLEX TABS) TYPE 2-2								EA	500	
43	857(F)	PAVEMENT MARKING REMOVAL								LF	3,500	
44	880(A)	ARROW DISPLAY	T-4							SD	2,700	
45	880(B)	SIGNS 0.00 TO 6.25 SF	T-2	T-4	T-5					SD	1,500	
46	880(B)	SIGNS 6.26 TO 15.99 SF	T-2	T-4	T-5					SD	3,000	
47	880(C)	BARRICADES (TYPE III)	T-2	T-4	T-5					SD	3,000	
48	880(E)	TYPE "A" WARNING LIGHT	T-5									

ITEMS LISTED OR SHOWN ON DRAWINGS AND/ OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = N/A	DESIGNED	JTB	03/26	
	SURVEY			
PROFILE SCALE	PROJ. MGR.		2/20/2016	
HORIZONTAL:	LEAD ENG.		[Signature]	
1" = N/A	FIELD MGR.		HW 5/26	
VERTICAL:	RECOMMENDED			
1" = N/A	DESIGNER		HW 5-26	
	CITY			
FILE: H\30387	DRAWING: 3038579Q			DATE: 8/11
ATLAS BACK NUMBER				SHEET



REVISION	BY	DATE	PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
			1" = N/A	DESIGNED	JTB	03/26	
				SURVEY			
			PROFILE SCALE	PROJ. MGR.	JTB	04/26	
			HORIZONTAL:	LEAD ENG.	JTB	4/28	
			1" = N/A	FIELD MGR.	JTB	5/26	
			VERTICAL:	RECOMMENDED			
			1" = N/A	DESIGN MANAGER	JTB	5-26	
			FILE: K:\30367	DRAWING: 30367PAG			
			SHEET				
			DATE: 8/10/2026				
			SHEET 2 OF 72 SHEETS				

PAY QUANTITY NOTES

- E-1 NOT USED
- E-2 NOT USED
- E-3 THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY. ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES.
- E-4 UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF AGGREGATE BASE AND MODIFIED SUBGRADE UNDER EXISTING PAVEMENT TO BE REPAIRED.
- E-5 THIS QUANTITY INCLUDES AN ADDITIONAL 10% ABOVE PLAN QUANTITY FOR UNDERCUTTING OF UNSUITABLE SUBGRADE MATERIAL OR ADDITIONAL PATCHING AS DIRECTED BY THE ENGINEER.
- E-6 NOT USED
- E-7 EROSION PROTECTION SHALL BE PLACED AS FOLLOWS:
A) AROUND INLETS TO PREVENT INFLOW OF ERODED MATERIAL INTO STORM SEWER SYSTEM;
B) IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY;
C) FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS, AS DIRECTED BY THE ENGINEER;
D) WITH PERIODIC REMOVAL OF SEDIMENT IN ACCORDANCE WITH STORMWATER MANAGEMENT PLAN.
ALL COST FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.
- E-8 PRICE BID SHALL INCLUDE MAINTENANCE, SEDIMENT REMOVAL, DISPOSAL, AND REMOVAL OF FILTERS AT PROJECT COMPLETION.
- E-9 NOT USED
- E-10 NOT USED
- E-11 NOT USED
- S-1 NOT USED
- S-2 INCLUDES COMPACTION OF AGGREGATE TO 98% AASHTO T180 MODIFIED PROCTOR.
- S-3 SEPARATOR FABRIC SHALL BE USED AT ALL PAVEMENT PATCHES AND RECONSTRUCTION SECTIONS. THE SEPARATOR FABRIC SHALL BE CUT AND OVERLAPPED A MINIMUM OF 2 FT AT ALL EDGES OF THE REPAIR.
- S-4 FABRIC REINFORCEMENT SHALL BE USED ON OVERLAY AREAS. THE COST OF BITUMINOUS BINDER FOR FABRIC REINFORCEMENT SHALL BE INCLUDED IN THE UNIT COST OF THIS PAY ITEM. THE BITUMINOUS BINDER SHALL MEET ODOT STANDARD SPECIFICATIONS AND THE RECOMMENDATIONS OF THE FABRIC REINFORCEMENT MANUFACTURER.
- S-5 THE COST OF TACK COAT, EDGE JOINT SEAL MATERIAL AND SCREENINGS FOR BLOTING, AND ALL LABOR ASSOCIATED WITH THESE ITEMS, SHALL BE INCLUDED IN ASPHALT CONCRETE.
- S-6 ESTIMATED AT 112 LBS PER SQ YD PER 1 INCH THICK.
- S-7 ODOT PAY FACTOR FOR AVERAGE LOT DENSITY SHALL NOT BE USED FOR THIS PROJECT. FAILURE TO REACH AVERAGE LOT DENSITY OF 92%-97% WILL RESULT IN REJECTION OF WORK.
- S-8 A HIGHER GRADE OF ASPHALT BINDER THAN IS INDICATED ON THE PLANS MAY BE USED, BUT AT NO ADDITIONAL COST TO THE CITY.
- S-9 THIS ITEM INCLUDES ALL COSTS ASSOCIATED WITH COLD MILLING AND TO PROVIDE BUTT JOINTS AS REQUIRED. NO ADDITIONAL PAYMENT SHALL BE MADE FOR COLD MILLING BEYOND THE AVERAGE DEPTH SHOWN ON THE TYPICAL SECTIONS.
- S-10 FOR P.C. CONCRETE TYPICAL SECTIONS, CONTRACTOR MAY SUBSTITUTE INTEGRAL CURB FOR CURB & GUTTER, AND VICE VERSA, ONLY WITH APPROVAL OF THE ENGINEER, WITH NO ADJUSTMENT MADE TO UNIT PRICE OR QUANTITY.
- S-11 CONCRETE PAVEMENT SHALL BE COMPLETE IN PLACE. NO PARTIAL OR FINAL PAYMENT SHALL BE MADE UNTIL PAVEMENT HAS BEEN SAWED AND SEALED. ANY SECTIONS OF PAVEMENT WITH UNAPPROVED DEVIATIONS FROM THE JOINT LAYOUT PROVIDED IN THE PLANS MAY BE REJECTED AT THE DISCRETION OF THE ENGINEER.
- S-12 NOT USED
- S-13 INCLUDES ALL COST OF SAWED JOINTS AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS.
- S-14 UNIT PRICE SHALL INCLUDE COST OF ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO CONSTRUCT WALL PER MANUFACTURER'S RECOMMENDATIONS.
- S-15 NOT USED
- S-16 CURB, GUTTER, AND/OR SIDEWALK ASSOCIATED WITH THE DRIVEWAY AND THROUGH THE DRIVEWAY IS INCLUDED IN THE COST OF THE DRIVEWAY.

PAY QUANTITY NOTES (CONTINUED)

- S-17 ONE SIDEWALK PANEL ON EACH SIDE OF DRIVEWAYS SHALL BE A MINIMUM OF 6" THICK OR MATCH EXISTING DRIVEWAY THICKNESS, WHICHEVER IS GREATER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE COST OF THE THICKENED SIDEWALK THROUGH THIS AREA.
STAMPED CONCRETE SIDEWALK SHALL BE INSTALLED WITH RUNNING BOND BRICK PATTERN. COLOR SHALL BE INTEGRAL AND MATCH HUE WITH FEDERAL STANDARD AMS-595 # 21105 (RED), OR APPROVED EQUAL. PAINTING OF STAMPED CONCRETE IS PROHIBITED AND WILL RESULT IN REJECTION OF WORK PRODUCT. CONTRACTOR SHALL PROVIDE A 1'X1'X4" TEST SQUARE FOR APPROVAL BY ENGINEER PRIOR TO INSTALLATION, WITH ALL COST INCLUDED IN UNIT PRICE BID FOR STAMPED CONCRETE SIDEWALK.
- S-18 NOT USED
- S-19 NOT USED
- S-20 NOT USED
- S-21 NOT USED
- S-22 REMOVE AC PAVEMENT ON CONCRETE DRIVEWAYS APRONS AND GUTTERS DURING EDGE MILLING AND COLD MILLING OPERATIONS.
- S-23 REPLACE AC IN DRIVEWAY GUTTER, AS NEEDED, FOR POSITIVE STORMWATER DRAINAGE AND SMOOTH DRIVEWAY TRANSITIONS.
- G-1 LOCATIONS TO BE DETERMINED IN THE FIELD AND WORK TO BE PERFORMED AT THE DIRECTION OF THE FIELD ENGINEER. QUANTITY IS ESTIMATED AND MAY BE OMITTED IN ITS ENTIRETY.
- G-2 MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. EXCLUDES MOBILIZATION FOR WATERLINE WORK.
- G-3 CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING, PLACING, AND MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY FOR THE PROPER COMPLETION AND INSPECTION OF THE ENTIRE PROJECT.
- G-4 THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.
- G-5 CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS DAMAGED OR REQUIRING RELOCATION DURING THE CONSTRUCTION OF THIS PROJECT TO THE SATISFACTION OF THE PROPERTY OWNER AND CITY ARBORIST. COST SHALL BE INCLUDED IN THE PRICE BID.
- G-6 ALL HOUSE NUMBERS SHALL BE REPLACED/ REESTABLISHED THROUGHOUT PROJECT LIMITS. COST TO BE INCLUDED IN URBAN RIGHT OF WAY RESTORATION. CONTRACTOR SHALL REESTABLISH DRAINS, ROOF DRAINS AND OTHER DRAINAGE THROUGH THE CURBS IN ACCORDANCE WITH CITY OF TULSA STANDARD 758. NO NEW CURB OUTLETS SHALL BE CONSTRUCTED WITHOUT APPROVAL OF THE ENGINEER.
- G-7 AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST SHALL OVERSEE ALL PLANTINGS AND/OR REMOVAL OF TREES. CONTACT CITY ARBORIST TO ACCEPT FINAL PLANTINGS.
CONTACT #: 918-596-2548
- G-8 TREE GRATES ARE NOT ACCEPTABLE PER CITY ARBORIST. CONCRETE PAVERS ARE TO BE USED AS NECESSARY AROUND TREES.
- G-9 CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO RESET ALL PAVERS, LANDSCAPE STONE, PRIVATE SIDEWALKS AND FENCES THAT ARE DISTURBED DURING CONSTRUCTION OPERATIONS. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RESETTING OF SUCH ITEMS IS TO BE INCLUDED IN PRICE BID FOR URBAN RIGHT OF WAY RESTORATION.
- G-10 PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.
- R-1 WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A MANNER APPROVED BY THE ENGINEER.
- R-2 ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED, REMOVED, REPAIRED, OR REPLACED.
- R-3 PAY ITEM INCLUDES REMOVAL OF ALL STRUCTURES AND OBSTRUCTIONS WITHIN PROJECT LIMITS NOT SPECIFIED BY OTHER ITEMS OF WORK.
- R-4 NOT USED
- R-5 NOT USED
- R-6 NOT USED
- D-1 NOT USED
- D-2 THE TOTAL COST FOR RUBBERIZED ASPHALT AND/OR SILICONE AT MANHOLES, VALVE BOXES, INLETS, AND INLET APRONS, SHALL BE INCLUDED.
- D-3 NO MASONRY STRUCTURES SHALL BE CONSTRUCTED WITHIN THE RIGHT OF WAY.
- D-4 NOT USED
- D-5 NOT USED
- D-6 NOT USED
- D-7 INCLUDES THE COST REQUIRED TO MAKE CONNECTION AND REMOVAL OF EXISTING INLETS. THE COST OF PC CONCRETE CURB AND GUTTER THROUGH THE INLET, 5' EACH SIDE OF THE INLET, AND THE PC CONCRETE INLET APRON SHALL BE INCLUDED. GRATE AND FLOWLINE ELEVATIONS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS.
- D-8 QUICKSET FLOWABLE FILL SHALL BE USED TO BACKFILL AROUND STREET CURB INLETS AND REINFORCED CONCRETE PIPE, AS NEEDED, AT THE DIRECTION OF THE ENGINEER.
- D-9 ALL INLETS, COMPLETE IN PLACE, SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. THIS PAY ITEM INCLUDES ANY INLET FRAME(S), GRATE(S), HOOD(S) AND CONCRETE REQUIRED FOR COMPLETE INSTALLATION OF STRUCTURE PER THE CONSTRUCTION DOCUMENTS.
- D-10 ADDITIONAL DEPTH QUANTITIES SHALL BE MEASURED AND PAID FOR ALL INLETS EXCEEDING STANDARD DEPTH. STANDARD DEPTHS ARE AS FOLLOWS:
A) CAST IRON CURB INLET: 3.71 VF, MEASURED FROM CENTER ELEVATION OF LOWEST CAST IRON CURB TO FLOWLINE OF OUTLET PIPE.
B) RECESSED CURB INLET: 3.00 VF, MEASURED FROM TOP OF SLAB TO FLOWLINE OF OUTLET PIPE.
C) STANDARD DROP INLET: SEE STANDARD DETAILS 770, 771, 772 AND 773 - VARIES BASED ON PIPE SIZE, MEASURED FROM LOWEST ELEVATION OF INFLOW APRON TO FLOWLINE OF OUTLET PIPE.
- D-11 NOT USED
- D-12 NOT USED
- D-13 NOT USED
- D-14 NOT USED
- D-15 NOT USED
- T-1 NOT USED
- T-2 REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
- T-3 ALL PLASTIC PAVEMENT MARKINGS SHALL BE:
EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT AND CONCRETE PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEEDS 55°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.
- T-4 PAYMENT SHALL BE MADE ON A SIGN-DAY BASIS ONLY FOR TRAFFIC CONTROL DEVICES THAT ARE PROPERLY INSTALLED AND IN GOOD WORKING ORDER. COSTS FOR DELIVERY, INSTALLATION, RELOCATION, MAINTENANCE REMOVAL AND REPLACEMENT, AS NEEDED AT THE DISCRETION OF THE ENGINEER, INCLUDED IN UNIT PRICE BID.
- T-5 IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE "C" WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.
- T-6 THE PAY ITEM FOR FLAGGER SHALL BE PAID FOR ON A FLAG DAY (F.D.) BASIS. ONE F.D. IS ONE COMPLETE WORKDAY AS PERFORMED BY THE CONTRACTOR SET FORTH IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- T-7 PRICE BID FOR THIS ITEM INCLUDES INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF PROJECT SIGN.

TRAFFIC OPERATIONS PAY ITEM NOTES:

- TO-1 NOT USED
- TO-2 NOT USED
- TO-3 NOT USED
- TO-4 NOT USED
- TO-5 REF COT 608 SHEET ALUMINUM SIGNS, FOR NO PARKING SIGNS:
WHEN SIGNS WITH ARROWS ARE USED TO INDICATE THE EXTENT OF THE RESTRICTED ZONES, THE SIGNS SHOULD BE SET AT AN ANGLE OF NOT LESS THAN 30 DEGREES, NOR MORE THAN 45 DEGREES WITH THE LINE OF TRAFFIC FLOW IN ORDER TO BE VISIBLE TO APPROACHING TRAFFIC.

CITY OF TULSA PAY QUANTITY & NOTES
REVISION 11-14-2018

S. CHEYENNE AVE.

PAY QUANTITY NOTES
PAVING & DRAINAGE

ARTERIAL STREET REHABILITATION
PROJECTS 144017ao & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = N/A	DESIGNED	JTB	03/26	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	NO 04/26		
HORIZONTAL:	LEAD ENG.	03/26		
1" = N/A	FIELD MGR.	04/26		
VERTICAL:	RECOMMENDED	04/26		
1" = N/A	DESIGN MANAGER	04/26		
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ALIAS PAGE NUMBER		SHEET 3 OF 72 SHEETS		



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TRAFFIC PAY QUANTITIES				
Cheyenne Avenue 11th - 1st ST.				
ITEM	SPEC	DESCRIPTION	UNIT	TOTAL
101	COT 601	PULL BOX SIZE II	EA	28
102	COT 601	PULL BOX SIZE III	EA	8
103	COT 602	2" PVC SCH. 40 PLASTIC CONDUIT (TRENCHED) (2) (COT 602)	LF	140
104	COT 602	2" HDPE SCH. 40 CONTINUOUS CONDUIT (DIRECTIONAL BORE) (2) (COT 602)	LF	3790
105	COT 602	3" PVC SCH. 40 PLASTIC CONDUIT (TRENCHED) (2) (COT 602)	LF	600
106	COT 602	2-3" HDPE SCH. 40 CONTINUOUS CONDUIT (DIRECTIONAL BORE) (INSIDE IDL) (2) (COT 602)	LF	4600
107	COT 603	24" PEDESTAL FOOTING F-1 (COT 603)	EA	43
108	COT 607	SERVICE TO SIGNAL STANDARD (COT 607)	EA	6
109	COT 608	GROUND SIGN (3)	SF	118.5
110	COT 610	TRAFFIC SIGNAL CONTROLLER CABINET ASSEMBLY (COT 610)	EA	6
111	COT 611	4#14 TRAFFIC SIGNAL ELECTRICAL CABLE (TP-1)	LF	1225
112	COT 611	7#14 TRAFFIC SIGNAL ELECTRICAL CABLE (TP-1)	LF	1295
113	COT 611	16#14 TRAFFIC SIGNAL ELECTRICAL CABLE (TP-1)	LF	6215
114	COT 611	GREEN #12 THHN ELECTRICAL CONDUCTOR (TP-1)	LF	6215
115	COT 611	GREEN #6 THHN ELECTRICAL CONDUCTOR (TP-1)	LF	2445
116	COT 611	CAT 6 ETHERNET CABLE (TP-1)(4)(SPECIAL)	LF	3780
117	COT 614	LED 3 SECTION TRAFFIC SIGNAL HEAD (#36) (COT 614)	EA	40
118	COT 614	LED ICC PEDESTRIAN HEAD (#33) (COT 614)	EA	44
119	COT 614	BACKPLATES (COT 614)	EA	40
120	COT 615	BASE COVERS	EA	43
121	COT 617	10' PEDESTAL POLE	EA	43
122	COT 619	TEMP SIGNAL POLE (1) (SPECIAL)	EA	1
123	COT 619	TEMP SIGNAL CABINET (1) (SPECIAL)	EA	1
124	COT 619	TEMP SIGNAL SERVICE (1) (SPECIAL)	EA	1
125	COT 625	REMOVAL OF TRAFFIC ITEMS (COT 625)	EA	7
126	COT 626	TRAFFIC SIGNAL MAINTENANCE (6)	HR	7
127	COT 626	SIGNAL MODIFICATIONS FOR LANE CLOSURES (PER SIGNALIZED INTERSECTION)	EA	7
128	SPECIAL	TEMPORARY SIGNAL COMMUNICATIONS (1,5) (SPECIAL)	EA	1

GENERAL PAY ITEM NOTE - ROADWAY

ITEMS LISTED OR SHOWN ON DRAWINGS AND/OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

J. Slayter
JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27
03/06/2026
DATE
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			SURVEY				
			PROFILE SCALE:	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.	<i>led</i>	05/26	
			1" = NA	FIELD MGR.	<i>led</i>	05/26	
			VERTICAL:	RECOMMENDED	<i>led</i>	05/26	
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			ATLAS PAGE NO:				

TRAFFIC ENGINEERING CONSULTANTS
6931 S. BATHY AVE., STE 100
TULSA, OK 74133
PHONE: 918-481-8424 FAX: 918-481-3103

Zoser
CITY ENGINEER
DATE: *01/10/2026*
SHEET 4 OF 57 SHEETS

TRAFFIC SIGNAL GENERAL CONSTRUCTION NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING TRAFFIC SIGNAL IN A PROPER WORKING CONDITION DURING CONSTRUCTION AS DIRECTED BY THE TRAFFIC ENGINEER AND FOR FOLLOWING THE REQUIREMENTS OF COT 626 TRAFFIC SIGNAL CONSTRUCTION AND OPERATION. THE CONTRACTOR SHALL NOT PLACE NEW TRAFFIC SIGNALS INTO OPERATION UNTIL THEY HAVE BEEN PERMITTED, INSPECTED AND APPROVED BY CITY OF TULSA TRAFFIC SIGNAL INSPECTORS, AND THE CITY OF TULSA TRAFFIC OPERATIONS HAS CONTACTED THE UTILITY COMPANY TO SET UP BILLING. TRAFFIC SIGNALS SHALL ONLY BE PUT INTO OPERATION ON TUESDAYS, WEDNESDAYS, AND THURSDAYS. ALL TRAFFIC MATERIALS SHALL MEET THE REQUIREMENTS OF COT 627 PRE-QUALIFICATION FOR TRAFFIC OPERATIONS MATERIALS OR AS DIRECTED BY THE TRAFFIC ENGINEER. CONTRACTORS SHALL MEET THE REQUIREMENTS OF COT 628 SIGNAL AND LIGHTING PROJECT CONTRACTOR EXPERIENCE REQUIREMENTS.

THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FOR ELECTRICAL INSPECTION ON ALL SIGNAL AND LIGHTING WORK PER COT SPECIFICATION 626 TRAFFIC SIGNAL CONSTRUCTION AND OPERATION. USE THE FOLLOWING ADDRESS (ES) FOR THE ELECTRICAL PERMIT:

100 S CHEYENNE AVE (TRAFFIC SIGNAL)
200 S CHEYENNE AVE (TRAFFIC SIGNAL)
300 S CHEYENNE AVE (TRAFFIC SIGNAL)
400 S CHEYENNE AVE (TRAFFIC SIGNAL)
700 S CHEYENNE AVE (TRAFFIC SIGNAL)
800 S CHEYENNE AVE (TRAFFIC SIGNAL)
1100 S CHEYENNE AVE (TRAFFIC SIGNAL)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS PART OF THIS PROJECT. ALL SIGNS AND POSTS PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATION 608 TRAFFIC SIGNS

ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS.

THIS PROJECT HAS BEEN DESIGNED AND IS TO BE CONSTRUCTED ACCORDING TO THE REQUIREMENTS OF THE LATEST VERSION OF THE CITY OF TULSA TRAFFIC OPERATIONS STANDARDS AND SPECIFICATIONS.

THE CONTRACTOR FOR THIS PROJECT IS RESPONSIBLE FOR ALL WORK AND MATERIALS NEEDED TO ENSURE A FULLY FUNCTIONAL SIGNAL AS INTENDED BY THESE PLANS. NO ADDITIONAL PAYMENT WILL BE MADE BY THE CITY TO RESOLVE ISSUES THAT ARISE DURING CONSTRUCTION DUE TO ERRORS OR OMISSIONS IN THE DESIGN, UNFORSEEN CIRCUMSTANCES, OR ANY OTHER PROBLEMS THAT REQUIRE REWORK OR ADDITIONAL WORK TO FIELD CORRECT AND COMPLETE THE PROJECT TO THE EXTENT AS DEFINED BY THESE PLANS AND TO THE SATISFACTION OF THE CITY.

ITEMS LISTED OR SHOWN ON DRAWINGS AND / OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

TRAFFIC SIGNAL PAY QUANTITY NOTES

- (COT 602) ALL CONDUIT ENDS SHALL BE REAMED AND BUSHINGS SHALL BE INSTALLED PRIOR TO PULLING ANY WIRES.
- (COT 603) POLE FOUNDATIONS SHALL BE CONSTRUCTED ACCORDING TO THE APPLICABLE REQUIREMENTS OF ODOT STANDARD SPECIFICATIONS FOR DRILLED SHAFT FOUNDATIONS AS DIRECTED BY THE TRAFFIC ENGINEER.
- (COT 607) THE INSTALLED SERVICE SHALL BE FULLY OPERATIONAL, AND ANY COSTS CHARGED BY THE UTILITY COMPANY FOR THE SERVICE INSTALLATION SHALL BE PAID BY THE CONTRACTOR AND IS INCLUDED IN THIS PAY ITEM.
- (COT 610) THE TRAFFIC SIGNAL CONTROLLER PROVIDED SHALL BE AN ECONOLITE RACK MOUNT COBALT CONTROLLER IN A 332 SIGNAL CABINET OR 332S WHERE A BATTERY BACKUP IS INCLUDED. THE LATEST VERSION OF EOS SHALL BE INSTALLED ON THE CONTROLLER. TRAFFIC SIGNAL CABINETS SHALL BE A 332S EXT RACK PER THE 2025SPEC. THE SIDES OF THE CONTROLLER CABINET SHALL BE PARALLEL TO THE STREETS. THE FRONT DOOR OF THE CABINET SHALL FACE AWAY FROM THE INTERSECTION. THE DOOR HINGES SHALL BE LOCATED ON THE SIDES OF THE CABINET FURTHEST AWAY FROM THE INTERSECTION, SO THE DOORS SWING OPEN AWAY FROM THE INTERSECTION.

CONFLICT MONITOR SHALL BE AN EDI 2018ECLIP OR APPROVED EQUAL. AN ETHERNET PORT SHALL BE PROVIDED ON THE FRONT PANEL. THE ETHERNET PORT SHALL BE ELECTRICALLY ISOLATED FROM THE MMU ELECTRONICS AND SHALL PROVIDE MINIMUM OF 1500 VRMS ISOLATION. THE CONNECTER SHALL BE AN RJ-45 EIGHT PIN CONNECTOR. AN HTML BASED CAPABILITY SHALL BE PROVIDED IN THE MONITOR TO CONFIGURE THE NETWORK PARAMETERS OF THE MMU ETHERNET PORT USING A STANDARD HTML BROWSER. ALL DISPLAY INDICATORS SHALL BE MOUNTED ON THE FRONT PANEL OF THE SIGNAL MONITOR AND SHALL BE WATER CLEAR, T-1 PACKAGE, SUPER BRIGHT TYPE LEDS. ALL FAULT LEDS SHALL BE RED EXCEPT THE PWR INDICATOR WHICH SHALL BE GREEN. A SEPARATE RED, YELLOW AND GREEN INDICATOR SHALL BE PROVIDED FOR EACH CHANNEL.

INCLUDE 2-19" RACK SHELVES, THAT ARE CHATSWORTH PRODUCTS PART NUMBER 10758-701 OR APPROVED EQUAL, IN ADDITION TO WHAT IS OUTLINED IN COT 610 SPECIFICATION. RACKS SHALL BE DESIGNED TO HOLD SMALL PERIPHERAL EQUIPMENT IN A CENTRAL LOCATION. EACH SHELF TYPICALLY HOLDS TWO UNITS AND ALLOWS A CONVENIENT CABLE RUN DOWN THE INSIDE OF THE RACK CHANNEL. RACK SHALL HOLD EQUIPMENT UP TO 17.35"W X 9.82"D AND MADE OF STRONG, LIGHTWEIGHT ALUMINUM THAT CAN SUPPORT UP TO 50 LB.

THE CONTROLLER CABINET DOORS SHALL BE EQUIPPED WITH A CL-TC1 GEN 2 CYBERLOCK CYLINDER AND EITHER A15481RS CCL TRAFFIC CABINET LOCK RH, OR A15481LS CCL TRAFFIC CABINET LOCK LH. THE CONTRACTOR WILL BE REQUIRED TO PURCHASE A CYBERKEY BLUE 3 THAT SHALL BE PROGRAMMED BY TRAFFIC OPERATIONS AT 4015 N HARVARD AVE, TULSA, OK 74115.

THE BATTERY BACKUP SYSTEM SHALL BE ECONOLITE ZX2000-48 SUPER CAPACITOR BATTERY MODULES AND DBLMXU-48 SERIES DOUBLE CONVERSION UPS.

THE CONTRACTOR SHALL DELIVER THE SIGNAL CABINET FULLY WIRED AND READY FOR INSTALLATION TO THE COT TRAFFIC OPERATIONS DIVISION FOR INSPECTION AND APPROVAL PRIOR TO INSTALLATION. COT WILL NOTIFY THE CONTRACTOR OF ANY DEFICIENCIES OR APPROVE THE CABINET WITHIN TWO WEEKS PER COT SPECIFICATION 610 FOR TRAFFIC SIGNAL CONTROLLER CABINET ASSEMBLIES.

(COT 614) HINGES SHALL BE LOCATED TO THE LEFT SIDE FOR 3-SECTION SIGNAL HEADS AND 4-SECTION SIGNAL HEADS, AND TOWARD THE OUTSIDE EDGES FOR A 5-SECTION SIGNAL HEAD.

THIS PAY ITEM SHALL INCLUDE (40) OF THE 3-SECTION BACKPLATES. ALL BACKPLATES PROVIDED ON THIS PROJECT SHALL BE ALUMINUM, WITH A DURABLE, FACTORY-APPLIED, NON-REFLECTIVE BLACK FINISH (POWDER COATED, BAKED ENAMEL, OR OTHER STYLE AS APPROVED BY THE TRAFFIC ENGINEER) WITH LOUVERS IN THE BACKPLATE." A 2 INCH WIDE STRIP OF FLUORESCENT YELLOW RETRO-REFLECTIVE TAPE, TYPE IX, SHALL BE USED AT THE FRONT PERIMETER OF THE BACKPLATES.

THE PEDESTRIAN SIGNAL HEADS PROVIDED SHALL BE EAGLE 16" PEDESTRIAN SIGNAL HEAD OR APPROVED EQUAL. ALL PEDESTRIAN SIGNAL HEADS SHALL BE INSTALLED ON THE POLES SUCH THAT THE SIGNAL HEADS ARE VISIBLE FROM THE CROSSWALK.

(COT 625) THIS PAY ITEM INCLUDES THE REMOVAL AND DELIVERY OF THE FOLLOWING EQUIPMENT TO THE CITY OF TULSA TRAFFIC OPERATIONS SHOP AT 3801 N HARVARD AVE, WHICH IS TO REMAIN THE PROPERTY OF THE CITY OF TULSA:

TRAFFIC SIGNAL ITEMS INCLUDE: MULTI-SIDED GALVANIZED TRAFFIC SIGNAL POLES, SIGNAL HEADS, PEDESTRIAN HEADS AND PUSH BUTTONS, BACK PLATES, CONTROLLER CABINET ASSEMBLY, CABINET GUARD, UNDAMAGED PULL BOX LIDS, MAST ARM SIGNS, ASTRO-BRACKETS, SPAN WIRE EQUIPMENT AND ANY OTHER TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT FOR THE PULL BOXES, CONDUIT AND WIRE WHICH SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE PRICE BID SHALL INCLUDE THE REMOVAL OF ALL FOOTINGS BELOW GROUND LEVEL OR AS DIRECTED BY THE ENGINEER. FOOTINGS, GREEN ARM POLES, AND ALL OTHER SIGNAL POLES OTHER THAN THE MULTI-SIDED POLES ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

(SPECIAL) 1. IN CASE ANY OF THE COMMUNICATIONS CONDUIT IS HIT, THE FOLLOWING PAY ITEMS WILL BE NECESSARY:
a. COT 602, 2' HDPE SCH 40 CONDUIT (DIRECTIONAL BORE)
b. COMMUNICATIONS CABLE, CAT 6. TRAFFIC OPERATIONS WILL NEED TO DETERMINE THE QUANTITY OF INDIVIDUAL CAT 6 CABLES AT EACH SPECIFIC LOCATION.
c. TEMPORARY SIGNAL COMMUNICATIONS

SHOULD DOWNTOWN SIGNAL COMMUNICATIONS BE DISRUPTED DUE TO THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL PROVIDE TEMPORARY COMMUNICATIONS EQUIPMENT TO THE CITY OF TULSA. ALL ITEMS SHALL BE DELIVERED TO THE CITY OF TULSA TRAFFIC ENGINEERING DEPARTMENT. CITY OF TULSA PERSONNEL SHALL INSTALL THE EQUIPMENT, AND THE EQUIPMENT SHALL BECOME THE PROPERTY OF THE CITY OF TULSA UPON COMPLETION OF THE PROJECT. TEMPORARY SIGNAL EQUIPMENT SHALL INCLUDE THE FOLLOWING PER INTERSECTION WHERE COMMUNICATIONS ARE DISRUPTED (FOR A MAXIMUM OF ~7 INTERSECTIONS ON THIS PROJECT): ECONOLITE COBALT ATC CONTROLLER, 18 CHANNEL EDI 2018-ECLIP CONFLICT MONITOR, WIRELESS TRAFFIC SIGNAL COMMUNICATIONS SYSTEM PER SPECIFICATION SECTION 622, AND ALL ASSOCIATED APPURTENANCES.

IF THE DOWNTOWN INTERCONNECT IS DISRUPTED THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING THE CONDUIT AND WIRE FROM JUNCTION CABINET TO JUNCTION CABINET

- (1) THIS ITEM IS AN ESTIMATED QUANTITY TO BE USED AS DEEMED NECESSARY BY THE ENGINEER.
- (2) ALL CABLES IN DISTURBED CONDUITS ARE TO BE REMOVED AND REPLACED WITH NEW CABLE IN NEW CONDUITS. CABLES IN ABANDONED CONDUITS ARE TO BE REMOVED. ALL REMOVED CABLE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- (3) THIS ITEM INCLUDES R6-1 (L), R6-1 (R) SIGNS AND STREET NAME SIGNS TO BE MOUNTED ON THE SIGNAL PEDESTAL POLES AS SHOWN IN THE PLANS. THE REFLECTIVE SHEETING SHALL BE HIGH-INTENSITY GRADE OR APPROVED EQUAL.
- (4) THE CONTRACTOR IS TO FIELD LOCATE THE EXISTING UPSTREAM AND DOWNSTREAM INTERCONNECT RUNS AT EACH INTERSECTION, THE CONNECTION POINTS AT EACH END, AND THE AGE/CONDITION OF EACH SEGMENT BEFORE UNDERTAKING THE REPLACEMENT OF INTERCONNECT CONDUIT AND CABLE RUNS. THE TRAFFIC OPERATIONS ENGINEER WILL THEN IDENTIFY WHICH RUNS ARE TO BE REPLACED AND HOW MANY PAIRS ARE TO BE USED BASED ON ACCURATE FIELD INFORMATION.
- (5) INTERSECTIONS MAY BE CONTROLLED WITH MULTI-WAY STOP SIGNS DURING SIGNAL CONSTRUCTION ACTIVITIES WHICH REQUIRE THE POWER TO BE DISCONNECTED OR WHEN CABLES ARE BEING REPLACED. THE TIME THE SIGNALS ARE OUT OF SERVICE IS TO BE MINIMIZED TO THE EXTENT POSSIBLE AND ONLY WITH APPROVAL OF THE TRAFFIC ENGINEER. THE CITY'S INTENT IS TO PROVIDE TRAFFIC SIGNAL CONTROL THROUGHOUT THE CONSTRUCTION PROJECT, EXCEPT FOR BRIEF PERIODS OF TIME, AT ALL INTERSECTIONS.

IN THE EVENT THAT POWER CANNOT BE MAINTAINED TO THE SIGNAL, THE CONTRACTOR SHALL PLACE MULTI-WAY STOP SIGNS IN ACCORDANCE WITH THE M.U.T.C.D. AND WITH THE APPROVAL OF THE TRAFFIC ENGINEER.

(6) THIS PAY ITEM IS FOR THE INSTALLATION AND ACTIVATION OF ALL EQUIPMENT, MATERIALS, AND NECESSARY LABOR FOR THE 2-WAY CONVERSION AT THE INTERSECTIONS OF 5TH AND 6TH STREET ALONG CHEYENNE AVENUE. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF TULSA TO OBTAIN STORED MATERIALS. THE CONTRACTOR SHALL PROVIDE FULLY FUNCTIONAL 2-WAY TRAFFIC OPERATION AT THESE INTERSECTIONS.

(TP-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY

J Jackson Slayter, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27

03/06/2026
DATE

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DATE: 01/10/2026
SHEET 5 OF 57 SHEETS

PROJECT NO. 144017-AO Phase 7

SIGNAL NOTES

CHEYENNE AVE.

(11th ST. TO 1st ST.)

CITY OF TULSA, OKLAHOMA

ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY: TEC TRAFFIC ENGINEERING CONSULTANTS 0821 S. 60TH E. AVE., STE 100 TULSA, OK 74115 PHONE: 918-481-2484 FAX: 918-481-3162

GENERAL CONSTRUCTION NOTES (version: 11/14/2025)

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY COT AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
3. PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF TULSA OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
5. THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS: AT&T, PUBLIC SERVICE COMPANY OF OKLAHOMA (AEP), OKLAHOMA NATURAL GAS (ONG), COX COMMUNICATIONS, MCIVERIZON, EASYTEL COMMUNICATIONS, WELLSCO VALLOR TELECOM, CITY OF TULSA-WATER AND SEWER, CITY OF TULSA-TRAFFIC OPERATIONS. SEE TITLE SHEET FOR CONTACT INFORMATION.
6. THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
7. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCREMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
8. THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
9. THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF TULSA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.
10. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK.
11. THE CONTRACTOR SHALL NOTIFY THE CITY OF TULSA FIELD ENGINEERING, 918-596-9404, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO REMOVING TRAFFIC SIGNS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING TRAFFIC SIGNAL IN A PROPER WORKING CONDITION DURING CONSTRUCTION AS DIRECTED BY THE TRAFFIC ENGINEER AND FOR FOLLOWING THE REQUIREMENTS OF COT 626 TRAFFIC SIGNAL CONSTRUCTION AND OPERATION. THE CONTRACTOR SHALL NOT PLACE NEW TRAFFIC SIGNALS INTO OPERATION UNTIL THEY HAVE BEEN PERMITTED, INSPECTED AND APPROVED BY CITY OF TULSA TRAFFIC SIGNAL INSPECTORS, AND THE CITY OF TULSA TRAFFIC OPERATIONS HAS CONTACTED THE UTILITY COMPANY TO SET UP BILLING. TRAFFIC SIGNALS SHALL ONLY BE PUT INTO OPERATION ON TUESDAYS, WEDNESDAYS, AND THURSDAYS. ALL TRAFFIC MATERIALS SHALL MEET THE REQUIREMENTS OF COT 627 PRE-QUALIFICATION FOR TRAFFIC OPERATIONS MATERIALS OR AS DIRECTED BY THE TRAFFIC ENGINEER. CONTRACTORS SHALL MEET THE REQUIREMENTS OF COT 628 SIGNAL AND LIGHTING PROJECT CONTRACTOR EXPERIENCE REQUIREMENTS.
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAVEMENT REMOVAL AND MILLING AND OVERLAY OPERATIONS.
14. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.
15. ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.
16. ALL BROKEN CONCRETE, WASTE MATERIAL, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
17. ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.
18. ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER IS TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINE IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK. TREES OUTSIDE THE FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.
19. WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION.
20. ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE. ALL DISTURBED ITEMS SHALL BE REPAIRED TO MATCH EXISTING MATERIALS AND PATTERNING.
21. IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN PATCHING STREETS, THE CONTRACTOR SHALL CALL FIELD ENGINEERING AT 918-596-7814 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK.

22. THE PROJECT SHALL BE CONSTRUCTED WITH CONTINUOUS FLOW OF MATERIAL SUPPLIED TO THE PROJECT SUCH THAT THE LAYDOWN MACHINE WILL REMAIN IN MOTION. ANY DELAY IN FORWARD PROGRESSION OF THE LAYDOWN MACHINE MAY REQUIRE A TRANSVERSE JOINT AS DIRECTED BY THE ENGINEER.
23. NO FLY ASH IS ALLOWED TO BE USED ON THIS PROJECT.
24. PHYSICAL TESTING FOR QUALITY ASSURANCE SHALL BE FURNISHED BY THE CITY.
25. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.
26. MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY.
27. ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.
28. NO LIFTING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOXES.
29. CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS.
30. REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
31. ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.
32. THE SIGN PLACEMENT STATIONING AND LOCATIONS SHOWN ON THE PLAN SHEETS AND SUMMARY SHEETS ARE APPROXIMATE. EXACT STATIONING AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH CITY OF TULSA STANDARDS, CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.
33. POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE. EXACT LENGTHS SHALL BE DETERMINED BY A FIELD SURVEY CONDUCTED BY THE CONTRACTOR.
34. ALL ASPHALT STREETS THAT ARE TO BE RECONSTRUCTED SHALL BE LEFT WITH A DRIVABLE SURFACE AT ALL TIMES. THE CONTRACTOR WILL NOT BE ALLOWED TO MILL OFF ALL THE ASPHALT BEFORE EXCAVATION BEGINS.
35. THE CONTRACTOR SHALL REPLACE ANY SECTION CORNERS OR OTHER PERMANENT RIGHT OF WAY MARKERS REMOVED OR DISTURBED AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT. REPLACEMENT OF SECTION CORNERS OR ANY OTHER MONUMENTS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PERFORM WORK IN THE STATE OF OKLAHOMA.
36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF THE STORMWATER DRAINAGE. STORMWATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.
37. STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.
38. THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.
39. PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.
40. ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE FINAL RULE ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, MOST RECENT VERSION BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK, WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
41. ALL TRENCH WIDTHS & BEDDING MATERIAL SHALL BE AS SHOWN ON COT STANDARD PIPE BEDDING DETAIL, STANDARD NO. 751. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED.
42. THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN TULSA TRANSIT AUTHORITY (MTTA), ERIC SMITH 918-830-0024, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO DETOURING TRAFFIC.
43. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.
44. CONTRACTOR SHALL COMPLETE THE INSTALLATION OF FINAL STABILIZATION MEASURES WITHIN 14 DAYS OF PROJECT COMPLETION. COMPLETE THE INSTALLATION OF FINAL STABILIZATION MEASURES WITHIN 7 DAYS OF PROJECT COMPLETION FOR PROJECTS GREATER THAN 40 ACRES, DISCHARGE TO AN APPROVED RECEIVING CHANNEL OR ARE WITHIN ONE (1) MILE OF AN IMPAIRED/TMDL WATERBODY.
45. CONSTRUCTION VEHICLE WASH WATERS ARE NOT TO BE DISCHARGED INTO CITY OF TULSA WATERS OR WATERS OF THE STATE.

GENERAL CONSTRUCTION NOTES FOR TRAFFIC ENGINEERING

1. IN CASE ANY OF THE COMMUNICATIONS CONDUIT IS HIT, THE FOLLOWING PAY ITEMS WILL BE NECESSARY.
- A. COT 602, 2" HDPE SCH 40 CONDUIT (DIRECTIONAL BORE)
- B. COMMUNICATIONS CABLE, CAT 6. TRAFFIC OPERATIONS WILL NEED TO DETERMINE THE QUANTITY OF INDIVIDUAL CAT 6 CABLES AT EACH SPECIFIC LOCATION.
- C. TEMPORARY SIGNAL COMMUNICATIONS
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING TRAFFIC SIGNAL IN A PROPER WORKING CONDITION DURING CONSTRUCTION AS DIRECTED BY THE TRAFFIC ENGINEER AND FOR FOLLOWING THE REQUIREMENTS OF COT 626 TRAFFIC SIGNAL CONSTRUCTION AND OPERATION. THE CONTRACTOR SHALL NOT PLACE NEW TRAFFIC SIGNALS INTO OPERATION UNTIL THEY HAVE BEEN PERMITTED, INSPECTED AND APPROVED BY CITY OF TULSA TRAFFIC SIGNAL INSPECTORS, AND THE CITY OF TULSA TRAFFIC OPERATIONS HAS CONTACTED THE UTILITY COMPANY TO SET UP BILLING. TRAFFIC SIGNALS SHALL ONLY BE PUT INTO OPERATION ON TUESDAYS, WEDNESDAYS, AND THURSDAYS. ALL TRAFFIC MATERIALS SHALL MEET THE REQUIREMENTS OF COT 627 PRE-QUALIFICATION FOR TRAFFIC OPERATIONS MATERIALS OR AS DIRECTED BY THE TRAFFIC ENGINEER. CONTRACTORS SHALL MEET THE REQUIREMENTS OF COT 628 SIGNAL AND LIGHTING PROJECT CONTRACTOR EXPERIENCE REQUIREMENTS.
3. THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FOR ELECTRICAL INSPECTION ON ALL SIGNAL AND LIGHTING WORK PER COT SPECIFICATION 626 TRAFFIC SIGNAL CONSTRUCTION AND OPERATION. USE THE FOLLOWING ADDRESS (ES) FOR THE ELECTRICAL PERMIT: 175 E 2ND ST S, TULSA, OK 74103.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS PART OF THIS PROJECT. ALL SIGNS AND POSTS PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATION 608 TRAFFIC SIGNS.
5. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS.
6. PAVEMENT MARKINGS SHALL MEET THE REQUIREMENTS OF ODOT STANDARDS AND SPECIFICATIONS FOR PAVEMENT MARKINGS, BUT SHALL BE PROVIDED USING TULSA STANDARD PAVEMENT MARKING LAYOUTS WHEN APPLICABLE. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.

CITY OF TULSA PAY QUANTITY & NOTES
REVISION 11-14-2018
S. CHEYENNE AVE.

GENERAL CONSTRUCTION NOTES
PAVING & DRAINAGE

ARTERIAL STREET REHABILITATION
PROJECTS 14401700 & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4806 S. GARNETT RD., SUITE 800 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = N/A	DESIGNED	JTB	03/26	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	7/9/26		
HORIZONTAL:	LEAD ENG.	7/9/26		
1" = N/A	FIELD MGR.	7/9/26		
VERTICAL:	RECOMMENDED	7/9/26		
1" = N/A	DESIGN MANAGER	7/9/26		
FILE: H\303867	DRAWING: 303867P1Q	DATE: 8/10/2026		
ATLAS PAGE NUMBER		SHEET 6 OF 72 SHEETS		



SUMMARY OF SURFACING															
	303(A)	310(B)	325	409	411(C)	411(D)	412	609(B)	610(A)	610(I)	612(A)	612(A)	612(E)	SPEC.	SPEC.
SHEET NAME	AGGREGATE BASE-TYPE A	SUBGRADE METHOD B	SEPARATOR FABRIC	FABRIC REINFORCEMENT	SUPERPAVE TYPE S4 (PG 70-28 OK) INSOLUBLE	SUPERPAVE TYPE S6 (PG 70-28 OK)	COLD MILLING PAVEMENT	2'-2" COMB. CURB & GUTTER (6" BARRIER)	4" CONCRETE SIDEWALK	TACTILE WARNING DEVICE (NEW)	MANHOLES ADJUST TO GRADE (PUBLIC)	MANHOLES ADJUST TO GRADE (PRIVATE)	VALVE BOXES ADJUST TO GRADE	CONSTRUCT CURB RAMP	PATCHING PCC TYPE "I"
	CY	SY	SY	SY	TON	TON	SY	LF	SY	SF	EA	EA	EA	EA	CY
PAVING PLAN & PROFILE (0)	0	0	0	0	0	0	0	0	26	26	0	0	0	3	0
PAVING PLAN & PROFILE (1)	11	111	61	0	0	0	0	40	77	24	0	0	0	2	5
PAVING PLAN & PROFILE (2)	1	77	5	0	0	0	0	5	75	59	1	0	0	7	0
PAVING PLAN & PROFILE (3)	0	83	0	1649	185	18	1649	0	83	102	2	1	0	4	66
PAVING PLAN & PROFILE (4)	26	78	163	1858	208	21	1858	139	0	0	3	0	2	0	7
PAVING PLAN & PROFILE (5)	118	354	439	1971	221	22	1971	30	0	0	2	0	1	0	86
PAVING PLAN & PROFILE (6)	122	456	438	2790	312	31	2790	0	91	43	2	2	9	3	91
PAVING PLAN & PROFILE (7)	162	630	583	1780	199	20	1780	0	144	96	0	0	1	12	122
TOTAL	439	1788	1690	10047	1125	113	10047	214	496	350	10	3	13	31	311

SUMMARY OF TEMPORARY SEDIMENT CONTROL			
STATION TO STATION			221(D)
			TEMPORARY SEDIMENT FILTER
			EA
10+00	TO	20+00	17
20+00	TO	30+00	7
30+00	TO	40+00	3
40+00	TO	43+47.00	2
TOTALS			29

SUMMARY OF REMOVALS					
STATION TO STATION			619(B)	619(B)	619(B)
			REMOVAL OF DRIVEWAY	REMOVAL OF CURB & GUTTER	REMOVAL OF SIDEWALK
			SY	LF	SY
10+00	TO	20+00	0	45	178
20+00	TO	30+00	0	139	83
30+00	TO	40+00	0	30	91
40+00	TO	43+47	0	-	144
TOTALS			0	214	496

SUMMARY OF STRIPING									
STREET NAME	TRAFFIC STRIPE (PLASTIC)								
	855(A)								855(B)
	8" WHITE	8" WHITE DASHED	6" WHITE	4" DOUBLE YELLOW	4" WHITE DASHED	4" WHITE	24" WHITE	24" GREEN	SYMBOLS, WORDS, ETC.
CHEYENNE	13156	522	80	3188	2862	937	5963	460	185
EQUIVALENCY	2	2	1.5	2	1	1	6	6	4
TOTAL:	26312	1044	120	6376	2862	937	35778	2760	740

S. CHEYENNE AVE.

SUMMARY SHEET (1)			
ARTERIAL STREET REHABILITATION			
PROJECTS 144017ao & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY: POE & ASSOCIATES, INC. 4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = N/A	DESIGNED	JTB	03/26
	SURVEY	JLT	03/26
PROFILE SCALE:	PROJ. MGR.	NO 4/26	
HORIZONTAL:	LEAD ENG.	4/26	
1" = N/A	FIELD MGR.	4/26	
VERTICAL:	RECOMMENDED	4/26	
1" = N/A	DESIGN MANAGER	4/26	
FILE: H\303867	DRAWING: 303867SUM	DATE: 8/10/2026	
ATLAS PRICE NUMBER		SHEET 7 OF 72 SHEETS	



4/17/2025 9:03 AM I:\303867 CBD\VE\ACAD\303867SUM.DWG

SUMMARY OF SIGNS														
SIGN NO.	STREET NAME	SIGN TYPE	EXISTING		Description	PROPOSED							SIGN DIMENSIONS	DETAILS
			BASELINE STATION	OFFSET		SIGN AREA COT	1 1/2"	1 3/4"	2"	Post SLV	BASELINE STATION	OFFSET		
1	CHEYENNE	R3-5L&R	0+00	18.0	MANDATORY MOVEMENT LANE CONTROL	-	-	-	-	-	-	-	-	REMOVE
2	CHEYENNE	R1-1	0+31	23.0	STOP	6.3	2	11	3	-	0+33	22.0	30 x 30	REPLACE
3	CHEYENNE	R1-3P	-	-	ALL WAY	0.8	-	-	-	-	-	-	18 x 6	-
4	CHEYENNE	W6-3	0+32	-19.0	TWO-WAY TRAFFIC	-	-	-	-	-	-	-	-	REMOVE
5	W 13TH ST	R1-1	0+50	-32.0	STOP	6.3	2	11	3	-	0+50	-32.0	30 x 30	REPLACE
6	W 13TH ST	R1-3P	-	-	ALL WAY	0.8	-	-	-	-	-	-	18 x 6	-
7	CHEYENNE	COT 608a	0+50	-32.0	W 13TH ST S 200	2.0	-	-	-	-	-	-	48 x 6	-
8	CHEYENNE	COT 608a	0+50	-32.0	S CHEYENNE AV 1300	1.3	-	-	-	-	-	-	30 x 6	-
9	W 13TH ST	R3-2	0+50	-32.0	NO LEFT TURN	-	-	-	-	-	-	-	-	REMOVE
10	W 13TH ST	R1-1	0+91	40.0	STOP	6.3	2	11	3	-	0+90	36.0	30 x 30	REPLACE
11	W 13TH ST	R1-3P	-	-	ALL WAY	0.8	-	-	-	-	-	-	18 x 6	-
12	CHEYENNE	COT 608a	-	-	W 13TH ST S 200	2.0	-	-	-	-	-	-	48 x 6	-
13	CHEYENNE	COT 608a	-	-	S CHEYENNE AV 1300	1.3	-	-	-	-	-	-	30 x 6	-
14	W 13TH ST	R3-1	0+91	40.0	NO RIGHT TURN	-	-	-	-	-	-	-	-	REMOVE
15	CHEYENNE	R5-1	1+06	30.0	DO NOT ENTER	-	-	-	-	-	-	-	-	REMOVE
16	W 13TH ST	R6-1	1+06	30.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE
17	CHEYENNE	R1-1	1+06	30.0	STOP	-	-	-	-	-	-	-	-	REMOVE
18	CHEYENNE	R1-3P	1+06	30.0	ALL WAY	-	-	-	-	-	-	-	-	REMOVE
19	CHEYENNE	R5-1	1+06	2.5	DO NOT ENTER	-	-	-	-	-	-	-	-	REMOVE
20	CHEYENNE	W12-1	1+06	2.5	DOUBLE ARROW	-	-	-	-	-	-	-	-	REMOVE
21	CHEYENNE	R5-1	1+06	-32.0	DO NOT ENTER	-	-	-	-	-	-	-	-	REMOVE
22	W 13TH ST	R6-1	1+06	-32.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE
23	CHEYENNE	R1-1	1+06	-32.0	STOP	6.3	2	11	3	-	1+04	-32.0	30 x 30	REPLACE
24	CHEYENNE	R1-3P	-	-	ALL WAY	0.8	-	-	-	-	-	-	18 x 6	-
25	CHEYENNE	M3-1	1+20	-35.0	NORTH	-	-	-	-	-	-	-	-	LEAVE IN PLACE
26	CHEYENNE	M1-4	1+20	-35.0	75	-	-	-	-	-	-	-	-	LEAVE IN PLACE
27	CHEYENNE	M6-1	1+20	-35.0	DIRECTIONAL ARROW	-	-	-	-	-	-	-	-	LEAVE IN PLACE
28	CHEYENNE	M3-4	1+20	-35.0	EAST	-	-	-	-	-	-	-	-	LEAVE IN PLACE
29	CHEYENNE	M1-1	1+20	-35.0	64	-	-	-	-	-	-	-	-	LEAVE IN PLACE
30	CHEYENNE	M6-1	1+20	-35.0	DIRECTIONAL ARROW	-	-	-	-	-	-	-	-	LEAVE IN PLACE
31	CHEYENNE	M3-4	1+20	-35.0	EAST	-	-	-	-	-	-	-	-	LEAVE IN PLACE
32	CHEYENNE	M1-5	1+20	-35.0	51	-	-	-	-	-	-	-	-	LEAVE IN PLACE
33	CHEYENNE	M6-1	1+20	-35.0	DIRECTIONAL ARROW	-	-	-	-	-	-	-	-	LEAVE IN PLACE
34	CHEYENNE	R3-7	1+25	-32.0	RIGHT LANE MUST TURN RIGHT	6.3	-	-	-	-	1+25	-32.0	30x30	REPLACE
35	CHEYENNE	R8-3	1+25	-32.0	NO PARKING SYMBOL	4.0	-	-	-	-	1+25	-32.0	24x24	REPLACE
36	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	1+26	30.0	24 x 18	-
37	CHEYENNE	R7-9a	-	-	NO PARKING BIKE LANE	1.5	-	-	-	-	-	-	12 x 18	-
38	CHEYENNE	R5-1a	2+30	32.0	WRONG WAY	-	-	-	-	-	-	-	-	REMOVE SIGN AND POST
39	CHEYENNE	R5-1a	2+30	-32.0	WRONG WAY	-	-	-	-	-	-	-	-	REMOVE
40	CHEYENNE	W6-3	2+30	-32.0	TWO-WAY TRAFFIC	-	-	-	-	-	-	-	-	REMOVE SIGN ONLY
41	CHEYENNE	W16-9P	2+30	-32.0	AHEAD	-	-	-	-	-	-	-	-	REMOVE SIGN ONLY
42	CHEYENNE	W3-1	-	-	STOP AHEAD	6.3	-	-	-	-	2+30	-32.0	30 x 30	NEW SIGN ON EXISTING POST
43	CHEYENNE	R3-5L	3+27	33.0	MANDATORY MOVEMENT LANE CONTROL	-	-	-	-	-	-	-	-	REMOVE
44	CHEYENNE	R8-3	3+27	33.0	NO PARKING SYMBOL	-	-	-	-	-	-	-	-	REMOVE
45	CHEYENNE	R3-5R	3+27	-33.0	MANDATORY MOVEMENT LANE CONTROL	-	-	-	-	-	-	-	-	REMOVE
46	CHEYENNE	R7-2	-	-	NO PARKING SYMBOL LEFT	1.5	-	10	3	-	3+27	-33.0	12 x 18	-
47	CHEYENNE	SPECIAL R3-1	-	-	SEMI TRUCK NO RIGHT TURN	3.0	-	11	3	-	3+35	-35.0	24 x 18	-
48	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	4+40	25.0	24 x 18	-
49	CHEYENNE	R7-9a	-	-	NO PARKING BIKE LANE	1.5	-	-	-	-	4+40	25.0	12 x 18	-
50	CHEYENNE	R8-3	4+70.53	27.7	NO PARKING	-	-	-	-	-	-	-	-	REMOVE
51	CHEYENNE	R8-3	5+20	26.1	NO PARKING	-	-	-	-	-	-	-	-	REMOVE
52	CHEYENNE	R10-15M	-	-	TURNING VEHICLES YIELD TO BICYCLES	6.3	-	11	3	-	5+50	25.0	30 x 30	-
53	W 12TH ST	R1-1	5+70	-43.0	STOP	6.3	2	11	3	-	5+70	-43.0	-	REPLACE
54	W 12TH ST	R6-1	5+70	-43.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE
55	W 12TH ST	COT 608a	-	-	W 12TH ST S 200	2.0	-	-	-	-	-	-	48 x 6	-
56	W 12TH ST	COT 608a	-	-	S CHEYENNE AV 1200	1.3	-	-	-	-	-	-	30 x 6	-
57	W 12TH ST	R1-1	6+05	35.0	STOP	6.3	2	11	3	-	6+05	35	-	REPLACE
58	W 12TH ST	R6-1	6+05	35.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE

S. CHEYENNE AVE.

SUMMARY SHEET (2)

ARTERIAL STREET REHABILITATION
PROJECTS 14401700 & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4608 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = N/A	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	
PROFILE SCALE:	PROJ. MGR.	NO 4/26		
HORIZONTAL:	LEAD ENG.	6/6 5/26		
1" = N/A	FIELD MGR.	4/4 5/26		
VERTICAL:	RECOMMENDED			
1" = N/A	DESIGN MANAGER	HAS 5-26		

FILE: H:\303867 DRAWING: 303867SUM DATE: 8/18/2026
ATLAS PAGE NUMBER SHEET 8 OF 72 SHEETS



4/17/2026 9:06 AM I:\303867 CBD\A\ACAD\303867SUM.DWG

SIGN NO.	STREET NAME	SIGN TYPE	EXISTING		Description	SUMMARY OF SIGNS								SIGN DIMENSIONS	DETAILS
			BASELINE STATION	OFFSET		PROPOSED									
						SIGN AREA COT	1 1/2"	1 3/4"	2"	Post SLV	BASELINE STATION	OFFSET			
59	W 12TH ST	COT 608a	-	-	W 12TH ST S 200	2.0	-	-	-	-	6+05	35	48 x 6	-	
60	W 12TH ST	COT 608a	-	-	S CHEYENNE AV 1200	1.3	-	-	-	-	6+05	35	30 x 6	-	
61	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	6+30.00	25.0	24 x18	-	
62	CHEYENNE	R7-9a	-	-	NO PARKING BIKE LANE	1.5	-	-	-	-	6+30.00	25.0	12 x 18	-	
63	CHEYENNE	R6-1	7+40	-27.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE	
64	CHEYENNE	R6-1	7+80	-27.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE	
65	CHEYENNE	R2-1	8+20	-27.0	SPEED LIMIT 25 MPH	7.5	-	11	3	-	8+40	-22.0	30 x 36	REPLACE	
66	CHEYENNE	R2-1	7+80	21.9	SPEED LIMIT 25 MPH	7.5	-	11	3	-	8+50	30.0	30 x 36	REPLACE	
67	CHEYENNE	SPECIAL	9+00	-26.2	NO PARKING FROM CORNER	-	-	-	-	-	-	-	-	REMOVE	
68	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	11	3	-	8+60	27.0	24 x 18	-	
69	CHEYENNE	R7-9a	-	-	NO PARKING BIKE LANE	1.5	-	-	-	-	8+60	27.0	12 x 18	-	
70	CHEYENNE	R9-20	-	-	BICYCLES ALLOWED USE OF FULL LANE	6.3	-	11	3	-	8+80	-24.0	30 x 30	-	
71	CHEYENNE	R10-15M	-	-	TURNING VEHICLES YIELD TO BICYCLES	6.3	-	11	3	-	8+95	27.0	30 x 30	-	
72	CHEYENNE	R8-3	-	-	NO PARKING (DOUBLE ARROWS)	1.5	-	10	3	-	9+00	-24.0	12 x 18	-	
73	CHEYENNE	M11-1	-	-	HISTORIC ROUTE 66	4.0	-	12	3	-	9+05	27.0	24 x 24	-	
74	CHEYENNE	M6-4P	-	-	ARROW BOTH WAYS	2.0	-	-	-	-	9+05	27.0	24 x 12	-	
75	CHEYENNE	R9-20	-	-	BICYCLES ALLOWED USE OF FULL LANE	6.3	-	11	3	-	9+38	-33.0	30 x 30	-	
76	CHEYENNE	R3-17	10+66	-47.0	BIKE LANE	3.0	-	12	3	-	11+14.65	31.0	24 x18	REPLACE	
77	CHEYENNE	R3-7R	10+87.23	-31.8	RIGHT LANE MUST TURN RIGHT	9.0	-	12	3	-	10+86.86	-31.0	36 x 36	REPLACE	
78	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	12	3	-	11+14.65	31.0	24 x18	-	
79	CHEYENNE	R7-9a	-	-	NO PARKING BIKE LANE	1.5	-	-	-	-	11+14.65	31.0	12 x 18	-	
80	CHEYENNE	R3-8	11+19	32.4	ADVANCE INTERSECTION LANE CONTROL	-	-	-	-	-	-	-	-	REMOVE	
81	CHEYENNE	M11-1	11+20	-32.0	HISTORIC ROUTE 66	4.0	-	12	3	-	11+20	-32.0	24 x 24	REPLACE	
82	CHEYENNE	M6-4P	11+20	-32.0	ARROW BOTH WAYS	2.0	-	-	-	-	11+20	-32.0	24 x 12	REPLACE	
83	CHEYENNE	R3-7R	-	-	RIGHT LANE MUST TURN RIGHT	9.0	-	11	3	-	12+35	-32.0	36 x 36	-	
84	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	11	3	-	12+50	32.0	24 x 18	-	
85	CHEYENNE	R7-9a	-	-	NO PARKING BIKE LANE	1.5	-	-	-	-	12+50	32.0	12 x 18	-	
86	W 9TH ST	R1-1	13+26.67	-44.8	STOP	6.3	2	11	3	-	13+27	-43.0	30 x 30	RELOCATE FAR EAST AS POSSIBLE	
87	W 9TH ST	COT 608a	-	-	S CHEYENNE AV 900	2.0	-	-	-	-	13+27	-43.0	48 x 6	-	
88	W 9TH ST	COT 608a	-	-	W 9TH ST S 200	1.3	-	-	-	-	13+27	-43.0	30 x 6	-	
89	W 9TH ST	R6-1	13+26.67	-44.8	ONE WAY	-	-	-	-	-	-	-	-	REMOVE	
90	W 9TH ST	R1-1	13+66.31	49.5	STOP	6.3	2	11	3	-	13+66.31	44.0	30 x 30	RELOCATE FAR WEST AS POSSIBLE	
91	W 9TH ST	COT 608a	-	-	S CHEYENNE AV 900	2.0	-	-	-	-	13+66.31	44.0	48 x 6	-	
92	W 9TH ST	COT 608a	-	-	W 9TH ST S 200	1.3	-	-	-	-	13+66.31	44.0	30 x 6	-	
93	W 9TH ST	R6-1	13+66.31	49.5	ONE WAY	-	-	-	-	-	-	-	-	REMOVE	
94	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	14+11	28.0	24 x18	-	
95	CHEYENNE	SPECIAL	-	-	LOADING ZONE COMMERCIAL VEHICLES & PERMITS ONLY	3.0	-	10	3	-	15+75	30.1	24 x18	-	
96	CHEYENNE	SPECIAL	15+95	30.1	LOADING ZONE COMMERCIAL VEHICLES & PERMITS ONLY	3.0	-	10	3	-	15+95	30.1	24 x18	REPLACE	
97	CHEYENNE	R7-8	-	-	RESERVED H/C PARKING	1.5	-	9	3	-	16+25	30.1	12 x 18	-	
98	CHEYENNE	R3-8	17+87	31.0	ADVANCE INTERSECTION LANE CONTROL	-	-	-	-	-	-	-	-	REMOVE	
99	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	17+95	31.0	24 x 18	-	
100	CHEYENNE	R7-8	-	-	RESERVED H/C PARKING	1.5	-	9	3	-	18+06	31.0	12 x 18	-	
101	CHEYENNE	SPECIAL	18+17.72	31.0	NO PARKING WITH TOW AWAY PLAQUE	-	-	-	-	-	-	-	-	REMOVE	
102	CHEYENNE	R3-8	18+52	31.0	ADVANCE INTERSECTION LANE CONTROL	-	-	-	-	-	-	-	-	REMOVE	
103	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	21+91	31.0	24 x18	-	
104	CHEYENNE	R6-1	24+43	30.1	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL	
105	CHEYENNE	R6-1	24+46	-31.3	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL	
106	CHEYENNE	R6-1	25+17	-42.9	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL	
107	CHEYENNE	R6-1	25+17	41.7	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL	
108	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	12	3	-	25+53	31.0	24 x18	-	
109	CHEYENNE	SPECIAL	-	-	LOADING ZONE COMMERCIAL VEHICLES & PERMITS ONLY	3.0	-	-	-	-	25+53	31.0	24 x18	-	
110	CHEYENNE	SPECIAL	-	-	LOADING ZONE COMMERCIAL VEHICLES & PERMITS ONLY	3.0	-	10	3	-	26+10	31.0	24 x18	-	
111	CHEYENNE	SPECIAL	26+70	31.0	LOADING ZONE COMMERCIAL VEHICLES & PERMITS ONLY	3.0	-	-	-	-	26+70	31.0	24 x18	REPLACE SIGN / REUSE POST	
112	CHEYENNE	R9-20	-	-	BICYCLES ALLOWED USE OF FULL LANE	6.3	-	12	3	-	27+58.02	-31.0	30 x 30	-	
113	CHEYENNE	R6-1	28+42	-45.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL	
114	CHEYENNE	R6-1	28+42	45.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL	
115	CHEYENNE	R6-1	28+75	-44.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL	
116	CHEYENNE	R6-1	28+75	45.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL	
117	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	29+29.15	30.0	24 x 18	-	

S. CHEYENNE AVE.

SUMMARY SHEET (3)

ARTERIAL STREET REHABILITATION
PROJECTS 144017ao & 144019 PHASE 7
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = N/A	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	
PROFILE SCALE:	PROJ. MGR.	JTB	4/2/26	
HORIZONTAL:	LEAD ENG.	JSB	05/16	
1" = N/A	FIELD MGR.	JSB	5/16	
VERTICAL:	RECOMMENDED	JTB	5/16	
1" = N/A	DESIGN MANAGER	JTB	5/16	
FILE: H:\303867	DRAWING: 303867SUM			
ATLAS PAGE NUMBER				

DATE: 8/10/2026
SHEET 9 OF 72 SHEETS



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SUMMARY OF SIGNS														
SIGN NO.	STREET NAME	SIGN TYPE	EXISTING		Description	PROPOSED						SIGN DIMENSIONS	DETAILS	
			BASELINE STATION	OFFSET		SIGN AREA COT	1 1/2"	1 3/4"	2"	Post SLV	BASELINE STATION	OFFSET		
118	CHEYENNE	SPECIAL	-	-	HOTEL PARKING	-	-	-	-	-	-	-	-	ROTATE SIGN
119	CHEYENNE	SPECIAL	-	-	HOTEL PARKING	-	-	-	-	-	-	-	-	ROTATE SIGN
120	CHEYENNE	SPECIAL	-	-	HOTEL PARKING	-	-	-	-	-	-	-	-	ROTATE SIGN
121	CHEYENNE	SPECIAL	-	-	HOTEL PARKING	-	-	-	-	-	-	-	-	ROTATE SIGN
122	CHEYENNE	SPECIAL	-	-	HOTEL PARKING	-	-	-	-	-	-	-	-	ROTATE SIGN
123	CHEYENNE	SPECIAL	-	-	HOTEL PARKING	-	-	-	-	-	-	-	-	ROTATE SIGN
124	W 4TH ST	R3-8	32+15.02	-60.0	ADVANCE INTERSECTION LANE CONTROL	-	-	-	-	-	-	-	-	REMOVE
125	W 4TH ST	SPECIAL	32+15.02	-60.0	NO PARKING	-	-	-	-	-	-	-	-	REMOVE
126	W 4TH ST	M4-5	32+15.02	-90.0	TO	-	-	-	-	-	32+16.16	-45.0	24 x 12	REMOVE
127	W 4TH ST	M3-4	32+15.02	-90.0	WEST	-	-	-	-	-	32+16.16	-45.0	24 x 12	REMOVE
128	W 4TH ST	M1-1	32+15.02	-90.0	244	-	-	-	-	-	32+16.16	-45.0	30 x 24	REMOVE
129	W 4TH ST	M1-4	32+15.02	-90.0	75	-	-	-	-	-	32+16.16	-45.0	24 x 24	REMOVE
130	W 4TH ST	M6-1	32+15.02	-90.0	DIRECTIONAL ARROW	-	-	-	-	-	32+16.16	-45.0	21 x 15	REMOVE
131	W 4TH ST	M4-5	32+15.02	-90.0	TO	-	-	-	-	-	32+15.02	-45.0	24 X 12	REMOVE
132	W 4TH ST	M1-4	32+15.02	-90.0	64	-	-	-	-	-	32+15.02	-45.0	24 X 24	REMOVE
133	W 4TH ST	M1-5	32+15.02	-90.0	51	-	-	-	-	-	32+15.02	-45.0	24 X 24	REMOVE
134	W 4TH ST	M6-1	32+15.02	-90.0	DIRECTIONAL ARROW	-	-	-	-	-	32+15.02	-45.0	21 x 15	REMOVE
135	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	33+29.33	32.0	24 x18	-
136	CHEYENNE	R7-8	-	-	RESERVED H/C PARKING	1.5	-	9	3	-	35+20	31.0	12 x 18	-
137	CHEYENNE	R7-8	-	-	RESERVED H/C PARKING	1.5	-	9	3	-	35+45	31.0	12 x 18	-
138	CHEYENNE	-	35+74.50	26.80	TULSA DECO DISTRICT	-	-	-	-	-	35+74.50	27.0	-	LEAVE IN PLACE
139	CHEYENNE	R6-1	36+49	47.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL
140	CHEYENNE	R6-1	36+54	-47.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL
141	CHEYENNE	R6-1	36+70	47.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL
142	CHEYENNE	R6-1	36+75	-48.0	ONE WAY	-	-	-	-	-	-	-	-	REMOVE ON SIGNAL
143	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	36+92.80	29.5	24 x18	-
144	CHEYENNE	R7-8	-	-	RESERVED H/C PARKING	1.5	-	9	3	-	-	-	-	-
145	CHEYENNE	R7-8	-	-	RESERVED H/C PARKING	1.5	-	9	3	-	-	-	-	-
146	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	10	3	-	40+70	31.0	24 x 18	-
147	CHEYENNE	R3-17	-	-	BIKE LANE	3.0	-	11	3	-	42+80	30.00	24 x 18	-
148	CHEYENNE	R3-17bP	-	-	ENDS	1.3	-	-	-	-	42+80	30.00	24 x 8	-
149	CHEYENNE	R9-20	42+80	-31.00	BICYCLES ALLOWED USE OF FULL LANE	6.3	-	12	3	-	42+95.00	-30.00	30 x 30	-
150	W 1ST ST	R3-5-L	-	-	LEFT TURN ONLY	5.0	-	11	3	-	43+40	56.00	24 x 30	-
151	W 1ST ST	R3-5-L	-	-	LEFT TURN ONLY	5.0	-	11	3	-	43+40	113.00	24 x 30	-
152	W 1ST ST	R3-5-L	-	-	LEFT TURN ONLY	5.0	-	-	-	-	43+55	-27.00	24 x 30	PLACE ON BARRICADE TO REMAIN
TOTAL:						238	10	498	141					



REVISION	BY	DATE

S. CHEYENNE AVE.

SUMMARY SHEET (4)

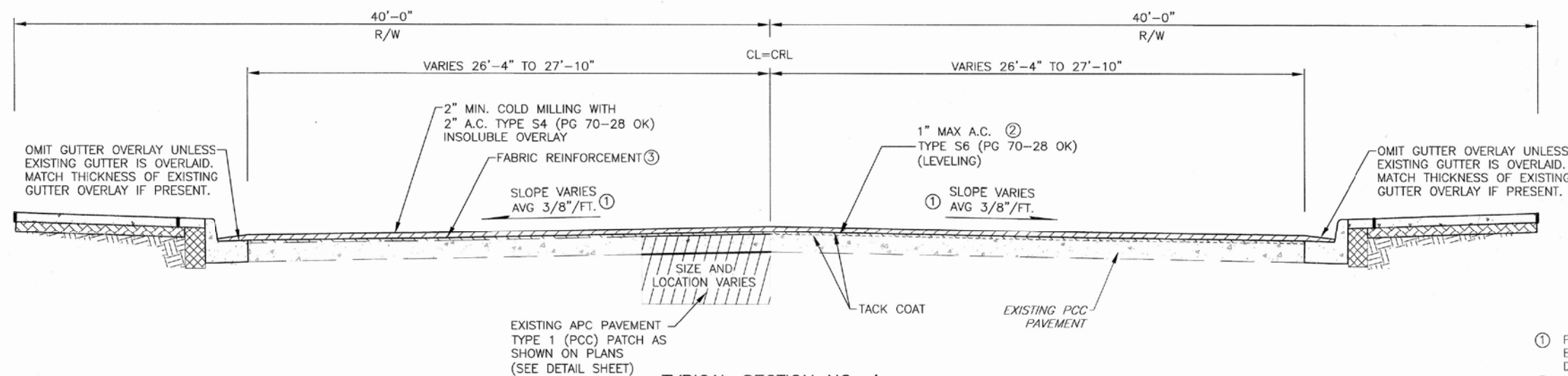
ARTERIAL STREET REHABILITATION
PROJECTS 14401700 & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-3200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = N/A	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	
PROFILE SCALE:	PROJ. MGR.	JTB	4/26	
HORIZONTAL:	LEAD ENG.	ISA	5/26	
1" = N/A	FIELD MGR.	ISA	5/26	
VERTICAL:	RECOMMENDED	ISA	5/26	
1" = N/A	DESIGN MANAGER	HAS	5-26	
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ATLAS PAGE NUMBER		SHEET	10 OF 72 SHEETS	

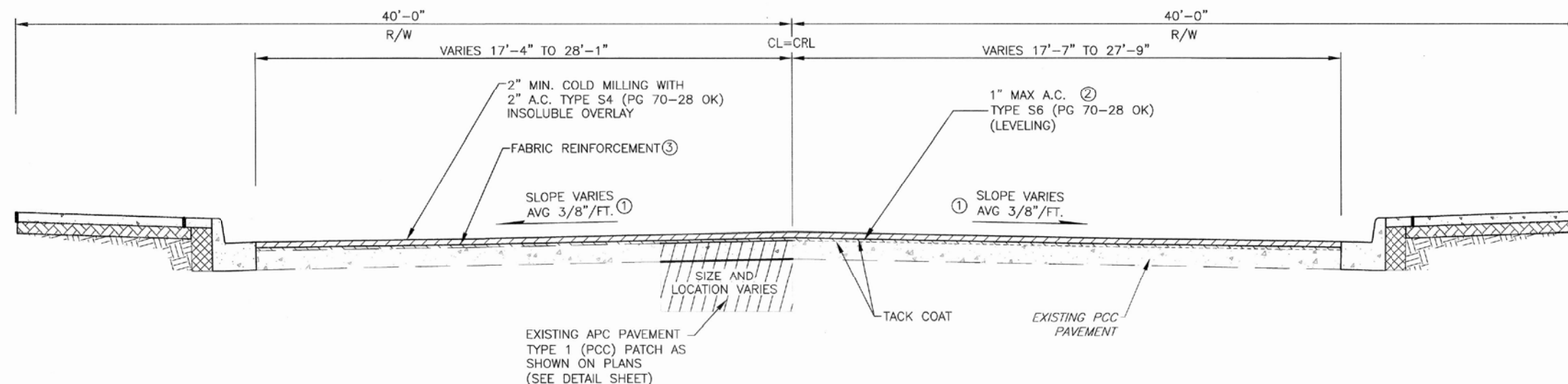
J. Bates
CITY ENGINEER



TYPICAL SECTION NO. 1

S. CHEYENNE AVE. W.
STA. 21+49.29 TO STA. 24+22.74
STA. 25+55.93 TO STA. 27+86.84
N.T.S.

- ① PAVEMENT CROSS SLOPE VARIES TO FOLLOW EXISTING CURB PROFILES. SEE INTERSECTION DETAILS AND CROSS SECTIONS FOR DETAILS.
- ② 1" A.C. TYPE S5 LEVELING COURSE SHALL BE USED AS DIRECTED BY THE FIELD ENGINEER PRIOR TO PLACING FABRIC REINFORCEMENT AND MAY BE OMITTED IN ITS ENTIRETY.
- ③ USE GLASSPAVE 50 OR MIRAFI PGM4.



TYPICAL SECTION NO. 2

S. CHEYENNE AVE. W.
STA. 32+91.84 TO STA. 39+66.27
STA. 40+46.85 TO STA. 43+47.00
N.T.S.

SEQUENCE OF CONSTRUCTION:

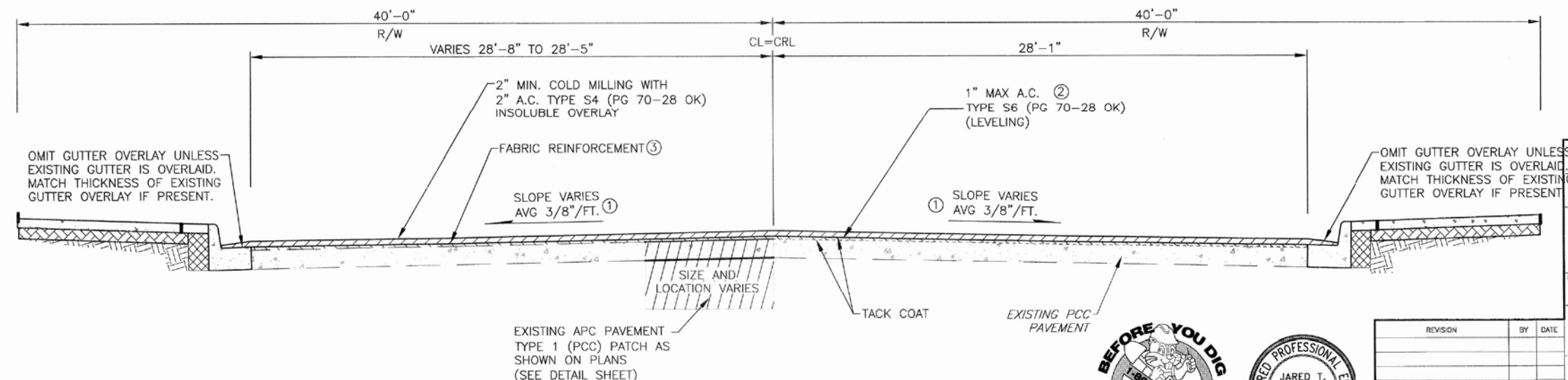
- A. MILL
- B. PATCH SIDEWALK
- C. PATCH
- D. LEVEL UP, IF NEEDED
- E. GEOTEXTILE GLASSPAVE 50 OR MIRAFI PGM4
- F. 2"± OVERLAY

NOTES:

1. COST FOR ALL STEEL REINFORCING TO BE INCLUDED IN THE COST OF 6" CURB OR CURB & GUTTER.
2. DOWELLED ON CURBS SHALL NOT BE PERMITTED.
3. TRANSVERSE JOINTS SHALL USE ODOT STD. LTU-4-0.

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



TYPICAL SECTION NO. 3

S. CHEYENNE AVE. W.
STA. 29+13.93 TO STA. 31+60.48
N.T.S.

TYPICAL SECTION (1)

ARTERIAL STREET REHABILITATION
PROJECTS 14401700 & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4508 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

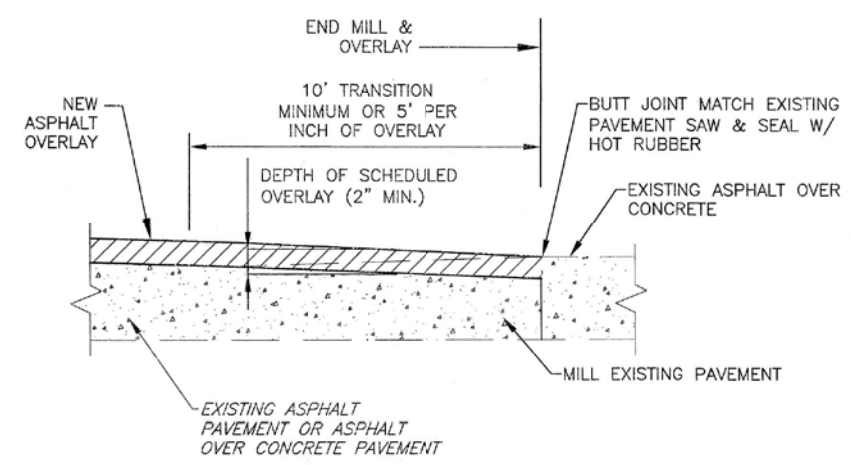
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	SURVEY			
PROFILE SCALE:	PROJ. MGR.	JTB	04/24	
HORIZONTAL:	LEAD ENG.	JTB	04/24	
1" = N/A	FIELD MGR.	JTB	04/24	
1" = N/A	RECOMMENDED	JTB	04/24	
	DESIGN MANAGER	JTB	04/24	
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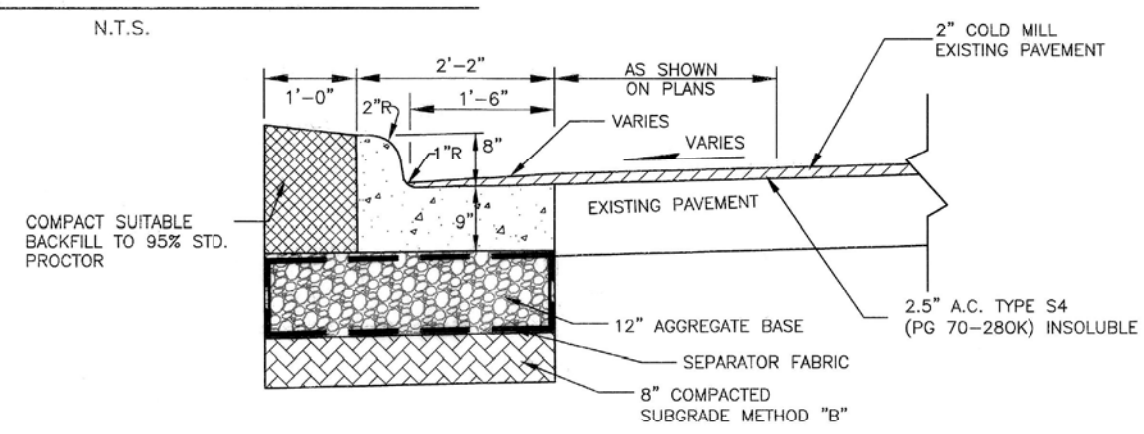
J. JONES
CITY ENGINEER

DATE: 8/10/2026

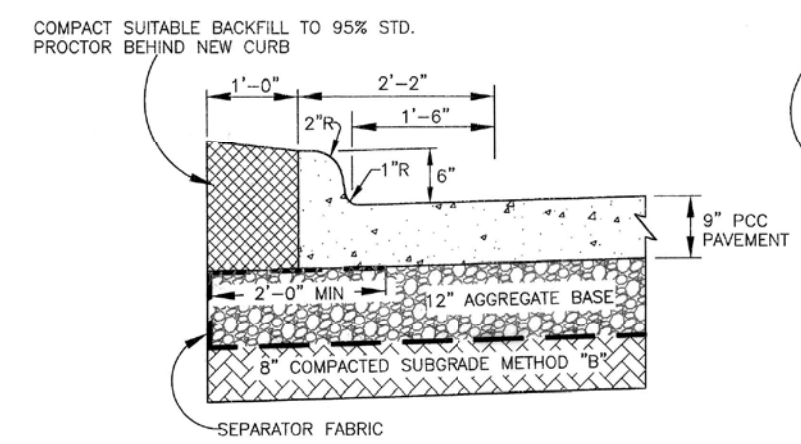
SHEET 11 OF 72 SHEETS



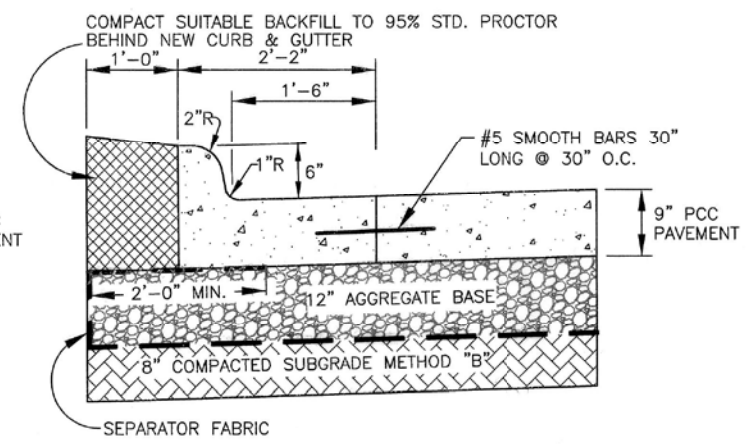
DETAIL OF BUTT JOINT FOR NEW OVERLAYS
N.T.S.



6" COMBINED BARRIER CURB AND GUTTER DETAIL WITH ASPHALT OVERLAY
N.T.S.

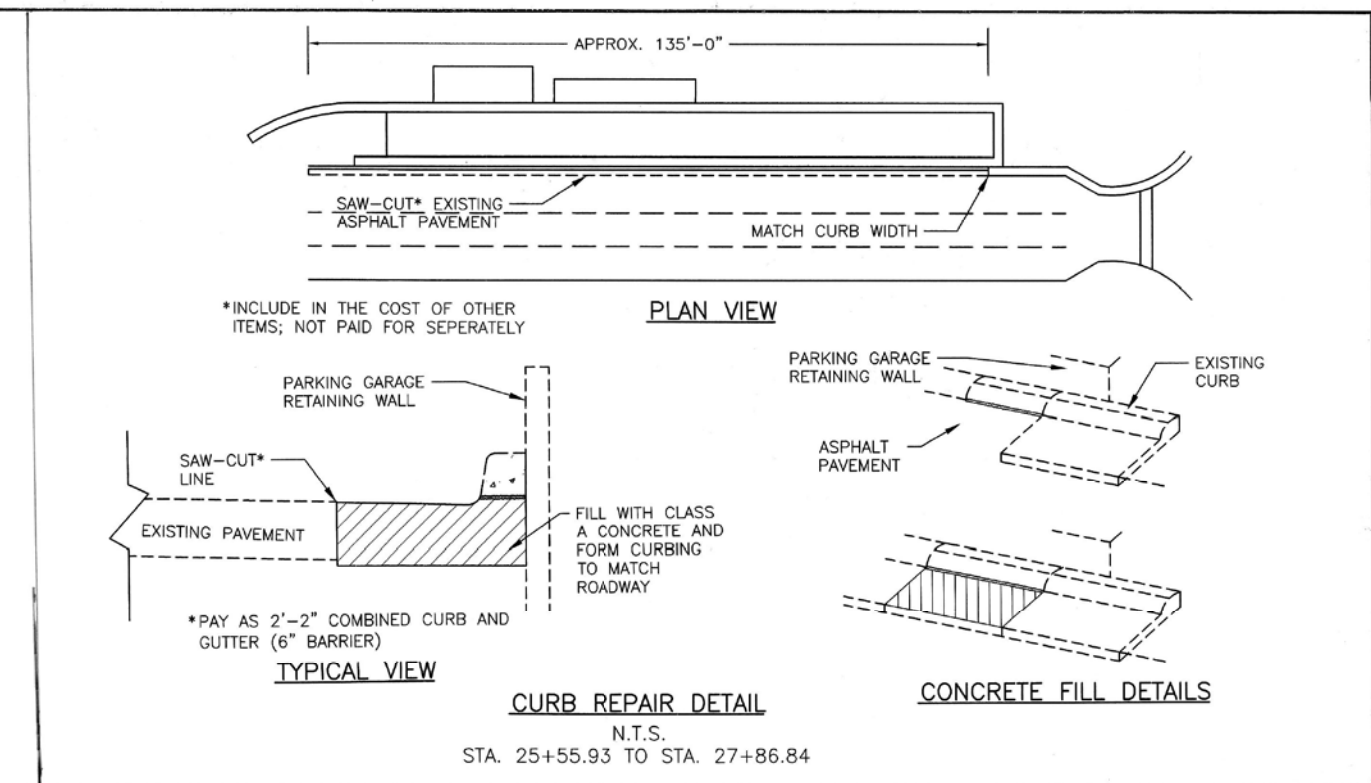


6" INTEGRAL BARRIER CURB DETAIL
N.T.S.



6" COMBINED BARRIER CURB AND GUTTER DETAIL
N.T.S.

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



BACKFILLING NOTE
TO BE BACKFILLED AND COMPACTED AS A PART OF THE FINISHING OPERATIONS. THIS WORK MATERIAL WILL BE OBTAINED FROM EXCESS EXCAVATION. NO PAYMENT WILL BE MADE FOR ADDITIONAL HANDLING OF THIS MATERIAL.

AGGREGATE BASE NOTE
COMPACTED TO 98% MODIFIED PROCTOR DENSITY

SUBGRADE NOTE
COMPACTED TO 95% STANDARD PROCTOR DENSITY



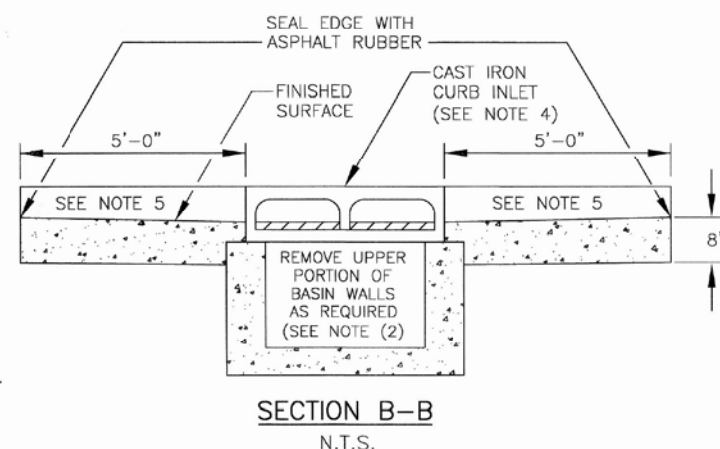
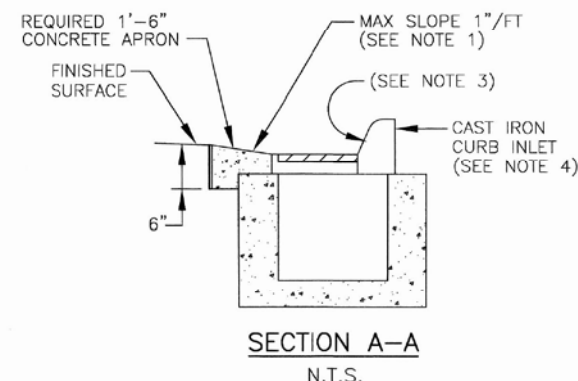
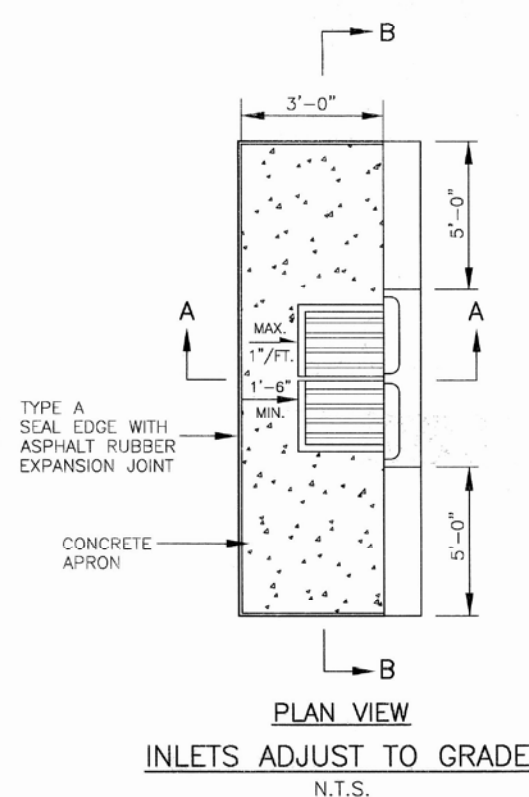
REVISION	BY	DATE

PLAN SCALE: DRAWN JTB 03/26	APPROVED
1" = N/A DESIGNED JTB 03/26	
SURVEY	
PROFILE SCALE: PROJ. MGR. JTB 3/26	
HORIZONTAL: LEAD ENG. JTB 3/26	
1" = N/A FIELD MGR. JTB 3/26	
VERTICAL: RECOMMENDED JTB 3/26	
1" = N/A DESIGN MANAGER JTB 3/26	
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ATLAS PAGE NUMBER	DATE: 8/10/2026
	SHEET 12 OF 72 SHEETS

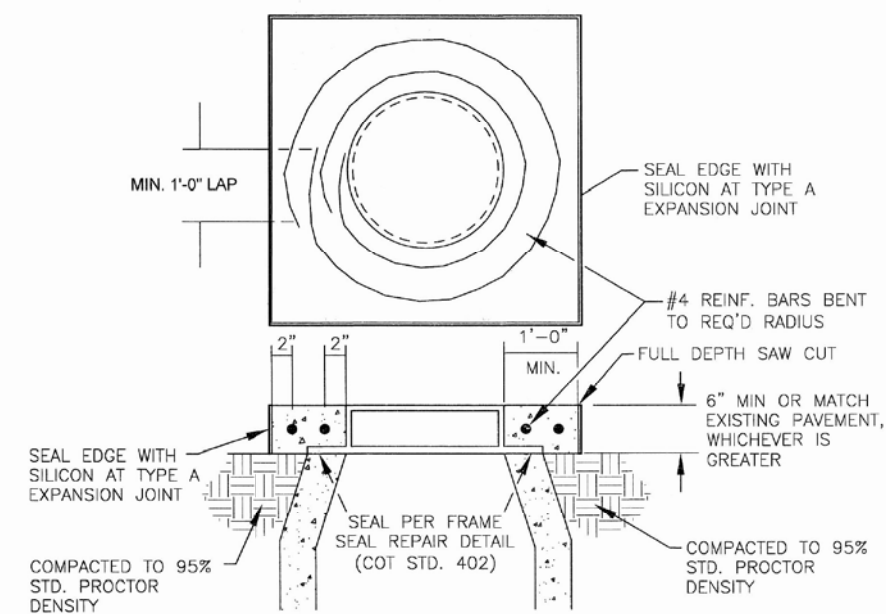
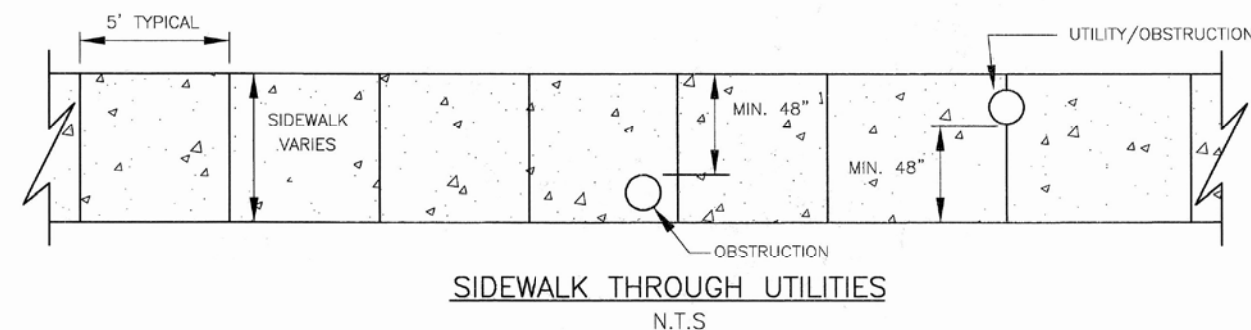
S. CHEYENNE AVE.
DETAIL SHEET (1)
ARTERIAL STREET REHABILITATION
PROJECTS 144017ao & 144019 PHASE 7
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4505 S. GARNETT RD., SUITE 800 TULSA, OKLAHOMA 74146-5200

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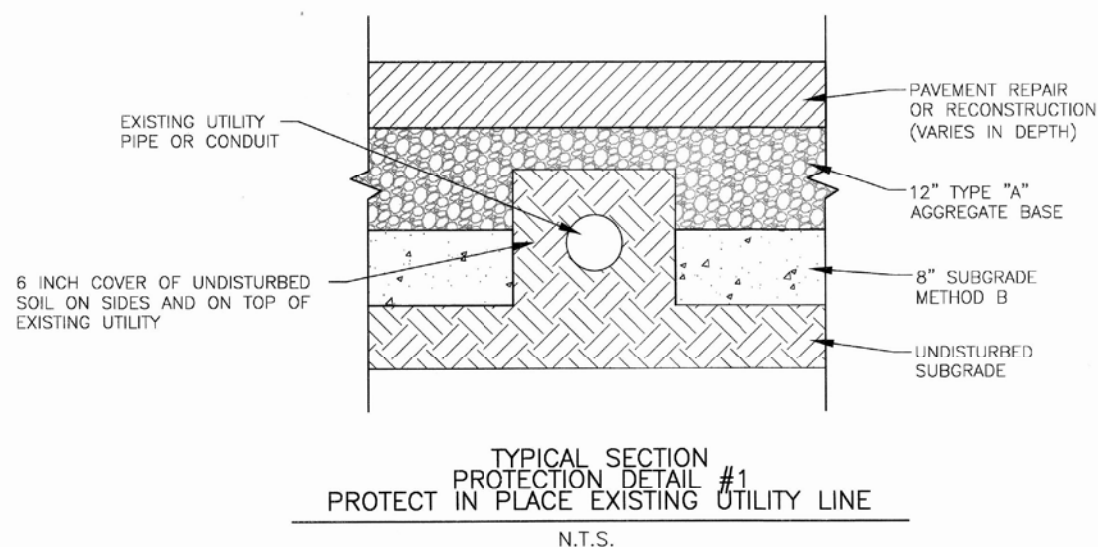


- NOTE 1: CONCRETE APRON SHALL BE SLOPED AS REQUIRED. MAX. SLOPE: 1 INCH PER FOOT.
- NOTE 2: IF BASIN WALLS ARE CONCRETE, APRON MAY BE DOWELED INTO EXISTING WALL. IF MASONRY, REPLACE STRUCTURE.
- NOTE 3: THE THROAT OPENING SHALL BE A MINIMUM OF 5 INCHES.
- NOTE 4: THE CURB INLET SHALL BE PAID AS EITHER SINGLE OR DOUBLE.
- NOTE 5: THE COST FOR CONCRETE CURB THROUGH THE INLET AND 5 FEET ON EACH SIDE OF THE INLET SHALL BE INCLUDED IN THE COST OF ADJUSTING THE INLET TO GRADE.



NOTE : SANITARY MANHOLES SHALL MEET PART 418 OF COT SPEC.

NOTE: QUICK SET FLOWABLE FILL MAY BE REQUIRED ABOVE OR ALONGSIDE EXISTING UTILITY LINES TO PROVIDE ADDITIONAL COVER/PROTECTION. THIS DETERMINATION WILL BE MADE ON A CASE BY CASE BASIS IN THE FIELD AND COORDINATED BETWEEN FIELD ENGINEERING, UTILITY COORDINATION, AND THE CONTRACTOR.



S. CHEYENNE AVE.

DETAIL SHEET (2)

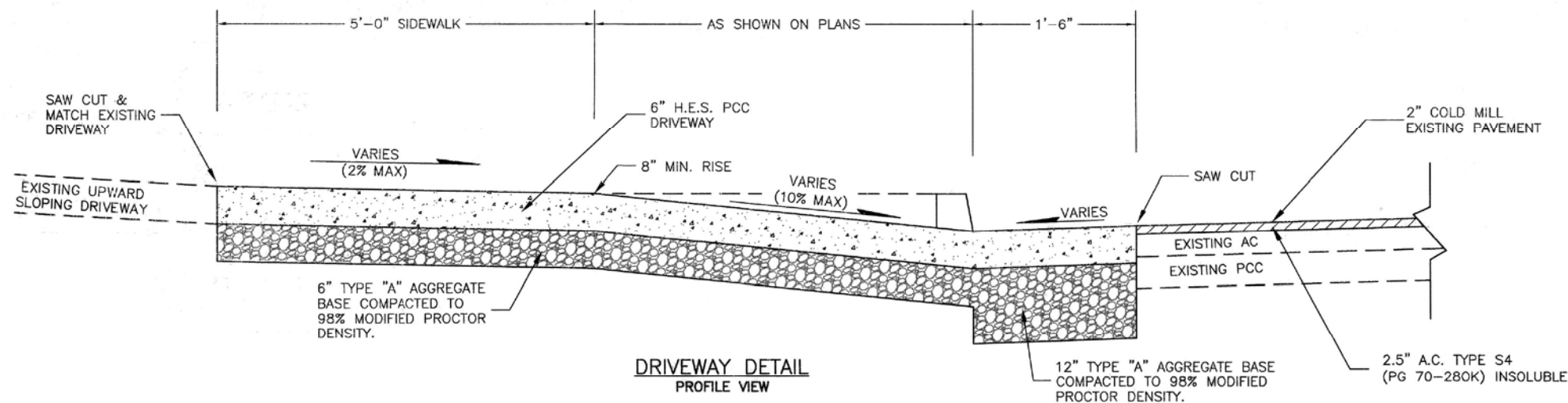
ARTERIAL STREET REHABILITATION
PROJECTS 14401700 & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

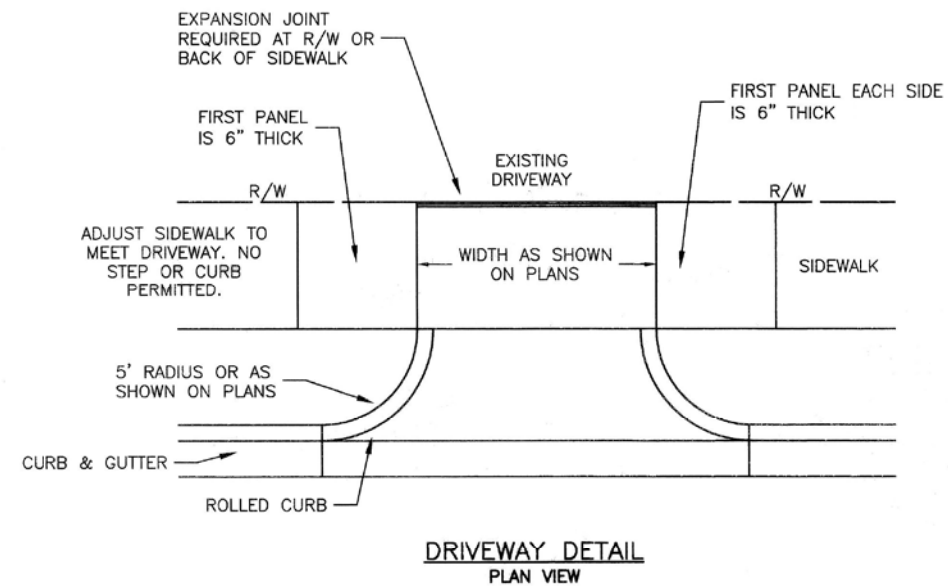
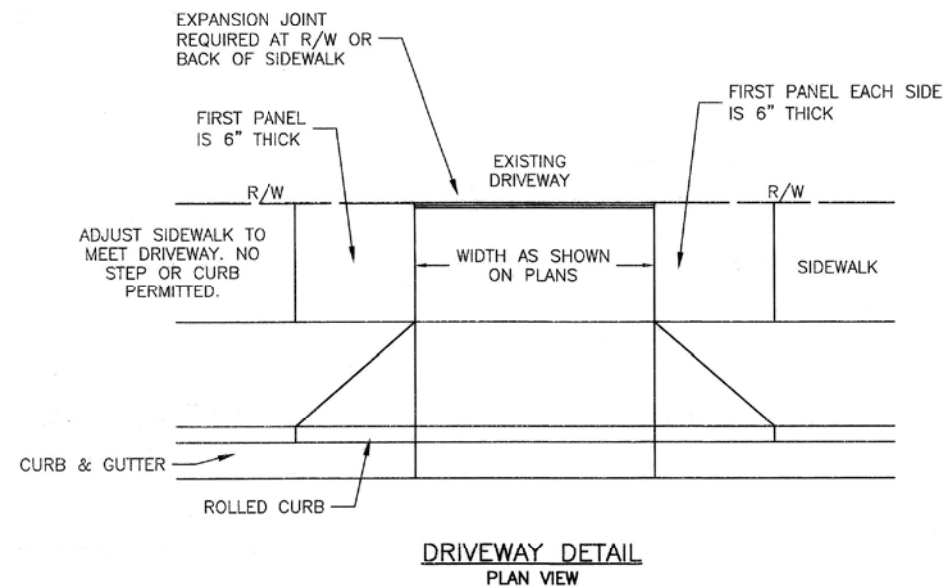
PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = N/A	DESIGNED	JTB	03/26	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	MD 4/26		
HORIZONTAL:	LEAD ENG.	MD 4/26		
1" = N/A	FIELD MGR.	MD 4/26		
VERTICAL:	RECOMMENDED	MD 4/26		
1" = N/A	DESIGN MANAGER	MD 4/26		
FILE: H\30396\VE	DRAWING:	30396701L	DATE:	8/10/2026
ATLAS PAGE NUMBER			SHEET	13 OF 72 SHEETS





- DRIVEWAY NOTES:**
1. THERE WILL BE NO PAYMENT FOR CONCRETE CURB AND/OR INTEGRAL CURB FOR THE LENGTH OF THE CURB BLOCKOUT.
 2. EXPANSION JOINT MATERIAL, SEALERS AND OTHER RELATED MISCELLANEOUS ITEMS WILL NOT BE PAID FOR SEPARATELY BUT THE COST THEREOF SHALL BE INCLUDED IN THE COST OF DRIVEWAY SURFACING.
 3. JOINT SEALERS SHALL MEET THE REQUIREMENTS OF SECTIONS 701.08b AND 701.08c. AND BE SELF-LEVELING.
 4. SIDEWALKS SHALL MATCH THE ELEVATION OF THE DRIVEWAY WITHOUT ANY DROP OR STEP.
 5. CONCRETE DRIVEWAYS WIDER THAN 15' FEET SHALL HAVE LONGITUDINAL CONTRACTION JOINTS NO MORE THAN 15' FEET APART.
 6. CONCRETE DRIVEWAYS SHALL BE P.C. CONCRETE (H.E.S.) TO R/W LINE, BACK OF SIDEWALK OR AS SHOWN ON PLANS.



NOTE: MIN. RISE IN DRIVE SHALL MATCH THE ADJACENT T/C ELEVATIONS

S. CHEYENNE AVE.

DETAIL SHEET (3)

ARTERIAL STREET REHABILITATION
PROJECTS 144017aa & 144019 PHASE 7

**CITY OF TULSA, OKLAHOMA
PUBLIC WORKS**

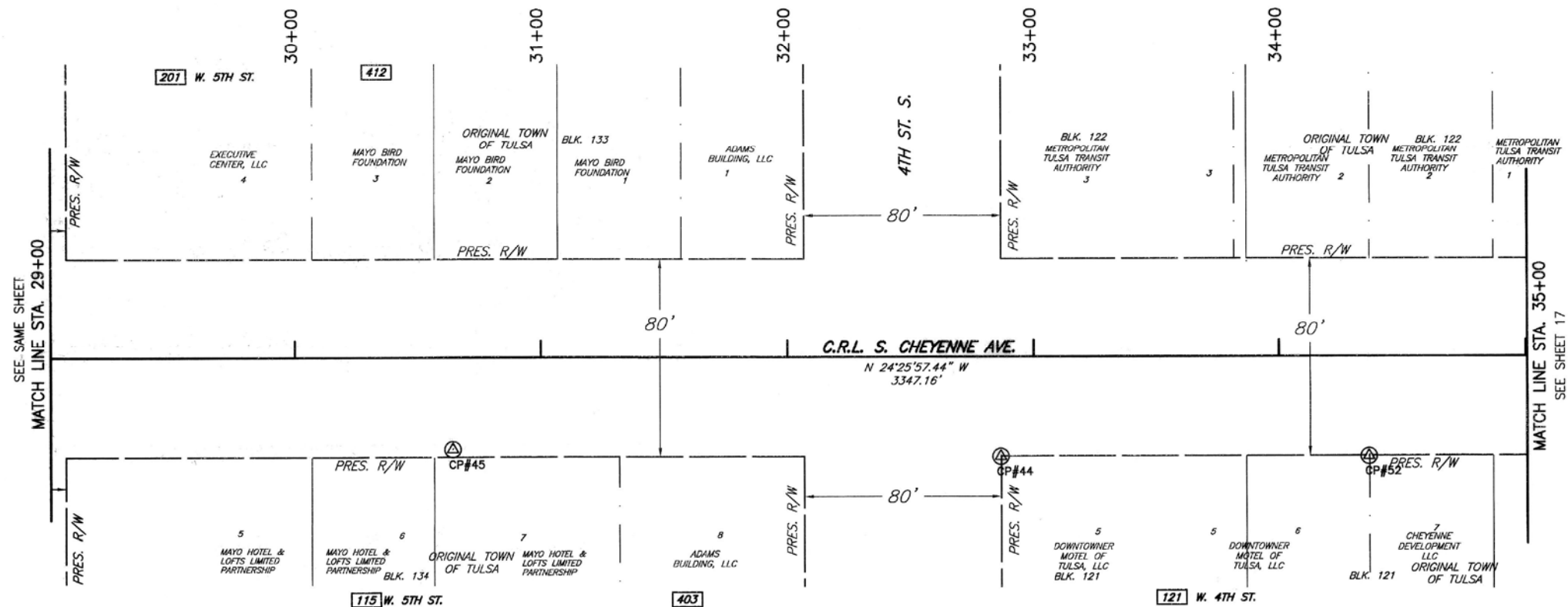
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4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

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	SURVEY			
PROFILE SCALE:	PROJ. MGR.	JTB	03/26	
HORIZONTAL:	LEAD ENG.	JTB	03/26	
1" = N/A	FIELD MGR.	JTB	03/26	
1" = N/A	RECOMMENDED	JTB	03/26	
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ATLAS PAGE NUMBER				



DATE: 8/10/2016	CITY ENGINEER: J. JONES
SHEET 14 OF 72 SHEETS	

LEGEND

NORTH
TULSA
BLK. 13
5
CITY OF
TULSASUBDIVISION NAME
SUBDIVISION BLOCK
NUMBER
SUBDIVISION LOT NUMBER
& LOT LINE
PROPERTY LINE &
OWNER NAME
PROJECT STREETSPRESENT RIGHT-OF-WAY
EXISTING EASEMENTS
RIGHT-OF-ENTRY
CONTROL POINT
NON-PROJECT STREETS1
1.1
PARCEL NUMBER FOR FEE SIMPLE
FEE SIMPLE AREA
PARCEL NUMBER FOR EASEMENT
EASEMENT AREA

CONTROL SURVEY DATA

PERMANENT BENCHMARK REFERENCE:
ADS #77 RESET - 3" BRASS CAP SET FLUSH
IN CONCRETE POST-STAMPED "77 RESET"-
SOUTH SIDE OF CHARLES PAGE BLVD., AND
WEST OF CURVE TO 33RD W. AVE.
N=424134.084
E=2550138.622
ELEV.=639.881'

PERMANENT BENCHMARK REFERENCE:
ADS #41 - 3" BRASS CAP SET FLUSH IN
CONCRETE POST SOUTH OF THE
INTERSECTION OF E. 21st ST. AND S.
HUDSON AVE.
N=419164.654
E=2584743.803
ELEV.=768.359'

HORIZONTAL CONTROL:

A. HORIZONTAL CONTROL FOR THIS SURVEY IS THE
NAD83(1993) OKLAHOMA STATE PLANE COORDINATE
SYSTEM NORTH ZONE.

B. ACCURACY - 3rd ORDER OR BETTER.

BEARINGS:

THE BEARINGS SHOWN HEREIN OR HEREON ARE "GRID"
BEARINGS DERIVED FROM NGS OKLAHOMA PLANE COORDINATE
SYSTEM AND ARE NOT ASTRONOMICAL.

VERTICAL CONTROL:

A. LEVEL DATUM IS SEA MEAN LEVEL DATUM OF (NGS) NAVD
1988.

B. ACCURACY - 3rd ORDER OR BETTER.

HORIZONTAL AND VERTICAL CONTROL POINTS

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
44	32+86.74	39.78	425384.80	2561021.90	714.24	CP X
45	30+64.46	36.52	425181.08	2561110.87	716.97	CP X
46	26+87.96	-36.52	424808.08	2561200.10	723.35	CP X
52	34+36.72	39.85	425521.38	2560959.93	715.40	CP X
53	25+27.58	-35.61	424662.44	2561267.27	725.18	CP X
60	23+47.72	29.20	424525.49	2561400.67	725.46	CP X
102	28+26.30	-28.76	424937.24	2561149.95	720.92	CP X
19000	28+27.15	-39.72	424933.48	2561139.62	720.8600	CP X
19627	28+43.75	-106.18	424921.11	2561072.24	718.32	CP X

Surveyor's Certificate

I, JUSTIN LEE TALCOTT OF POE & ASSOCIATES, INC., A REGISTERED PROFESSIONAL
LAND SURVEYOR IN THE STATE OF OKLAHOMA, DO HEREBY CERTIFY THE
SURVEY PREPARED BY ME WAS ACTUALLY MADE UPON THE GROUND AND
THAT IT AND THE INFORMATION SHOWN HEREON FOR ALL HORIZONTAL
CONTROL POINTS IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY.

EXECUTED THIS 4th DAY OF March

JUSTIN LEE TALCOTT
REGISTERED PROFESSIONAL LAND SURVEYOR
OKLAHOMA L.S. 1646



REVISION	BY	DATE

S. CHEYENNE AVE.

SURVEY DATA & RIGHT-OF-WAY (2)

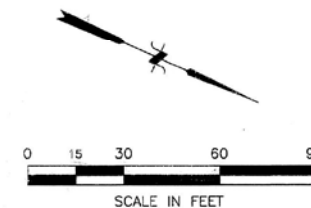
ARTERIAL STREET REHABILITATION
PROJECTS 14401700 & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4606 S. GARNETT RD., SUITE 800 TULSA, OKLAHOMA 74146-9200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = 30'	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	
PROFILE SCALE:	PROJ. MGR.	JTB	03/26	
1" = N/A	LEAD ENG.	JTB	03/26	
1" = N/A	FIELD MGR.	JTB	03/26	
	RECOMMENDED	JTB	03/26	
	DESIGN MANAGER	JTB	03/26	
FILE: H:\303867	DRAWING: 303867SYD-RDW	DATE: 8/10/2026		
ATLAS PAGE NUMBER 1				

DATE: 8/10/2026
SHEET 16 OF 72 SHEETS



CONTROL SURVEY DATA

PERMANENT BENCHMARK REFERENCE:
ADS #77 RESET - 3" BRASS CAP SET FLUSH
IN CONCRETE POST-STAMPED "77 RESET",
SOUTH SIDE OF CHARLES PAGE BLVD., AND
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N=424134.084
E=2550138.622
ELEV.=639.881'

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BEARINGS:

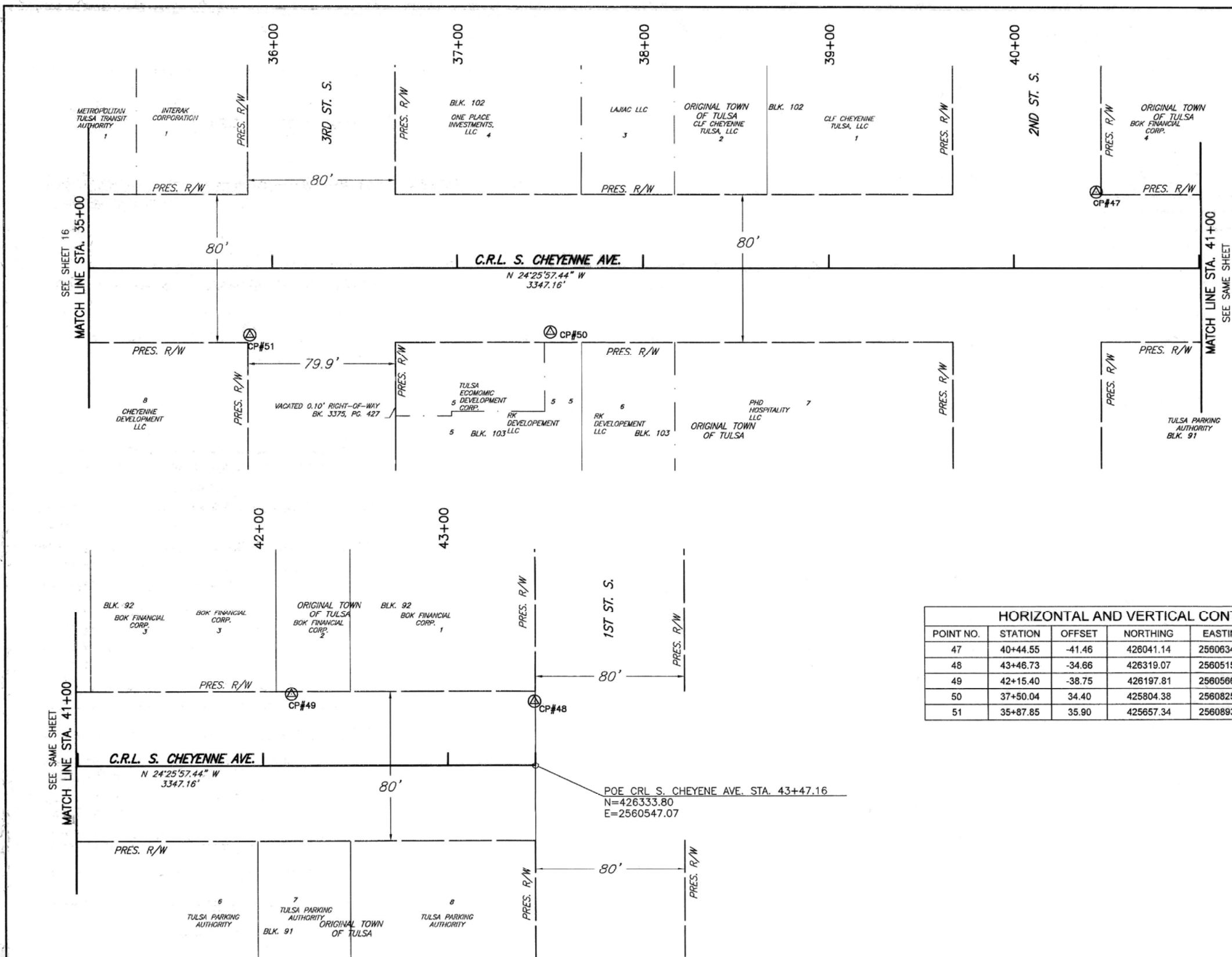
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VERTICAL CONTROL:

A. LEVEL DATUM IS SEA MEAN LEVEL DATUM OF (NGS) NAVD 1988.

B. ACCURACY - 3rd ORDER OR BETTER.

HORIZONTAL AND VERTICAL CONTROL POINTS						
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
47	40+44.55	-41.46	426041.14	2560634.49	708.94	CP X
48	43+46.73	-34.66	426319.07	2560515.69	697.60	CP X
49	42+15.40	-38.75	426197.81	2560566.29	702.88	CP X
50	37+50.04	34.40	425804.38	2560825.37	714.63	CP X
51	35+87.85	35.90	425657.34	2560893.82	716.62	CP X



LEGEND	NORTH			PRESENT RIGHT-OF-WAY	1	PARCEL NUMBER FOR FEE SIMPLE
	TULSA	SUBDIVISION NAME	_____			
	BLK. 13	SUBDIVISION BLOCK NUMBER	-----	EXISTING EASEMENTS		FEE SIMPLE AREA
	5	SUBDIVISION LOT NUMBER & LOT LINE		RIGHT-OF-ENTRY	1.1	PARCEL NUMBER FOR EASEMENT
	CITY OF TULSA	PROPERTY LINE & OWNER NAME		CONTROL POINT		EASEMENT AREA
	==	PROJECT STREETS	==	NON-PROJECT STREETS		

Surveyor's Certificate

I, JUSTIN LEE TALCOTT OF POE & ASSOCIATES, INC., A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OKLAHOMA, DO HEREBY CERTIFY THE SURVEY PREPARED BY ME WAS ACTUALLY MADE UPON THE GROUND AND THAT IT AND THE INFORMATION SHOWN HEREON FOR ALL HORIZONTAL CONTROL POINTS IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY.

EXECUTED THIS 4th DAY OF March

JUSTIN LEE TALCOTT
REGISTERED PROFESSIONAL LAND SURVEYOR
OKLAHOMA L.S. 1646

[illegible]

SURVEY DATA & RIGHT-OF-WAY (3)			
ARTERIAL STREET REHABILITATION PROJECTS 144017ao & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY: POE & ASSOCIATES, INC. 4506 S. GARNETT RD., SUITE 800 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = 30'	DESIGNED	JTB	03/26
	SURVEY	JLT	03/26
PROFILE SCALE	PROJ. MGR.	JTB 3/26	
HORIZONTAL:	LEAD ENG.	D. JTB 3/26	
1" = N/A	FIELD MGR.	JTB 3/26	
VERTICAL:	RECOMMENDED	HAS 5-26	
1" = N/A	DESIGN MANAGER	CITY ENGINEER	
FILE: H:\303867	DRAWING: 303867SVD-R0W	DATE:	8/10/2026
ATLAS PAGE NUMBER 1	SHEET 17 OF 72 SHEETS		

STORMWATER MANAGEMENT PLAN

EROSION AND SEDIMENT CONTROLS

SITE DESCRIPTION

PROJECT LIMITS: ARTERIAL STREET REHABILITATION - CHEYENNE AVE. (FROM NORTH OF 11TH STREET TO SOUTH OF 1ST STREET)

PROJECT DESCRIPTION: MILL & OVERLAY OF EXISTING APC STREETS.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

- (1) PLACE ALL TEMPORARY EROSION CONTROL DEVICES THAT WILL NOT INTERFERE WITH TOPSOIL SALVAGING OPERATIONS.
- (2) PERFORM TOPSOIL SALVAGING OPERATIONS, PRESERVING ANY VEGETATION NOT IMPEDING CONSTRUCTION.
- (3) PERFORM GRADING OPERATIONS, PLACING REMAINING TEMPORARY EROSION CONTROL DEVICES AS REQUIRED.
- (4) REMOVE TEMPORARY EROSION CONTROL DEVICES.

SOIL TYPE: LOW TO MODERATE PLASTICITY CLAYS AND SANDS

TOTAL AREA TO BE DISTURBED: APPROXIMATELY 8.94 ACRES

OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE)

MAXIMUM ACRES TO BE DISTURBED AT ANY ONE TIME: (FOR CONTRACTOR USE)

LATITUDE & LONGITUDE OF CENTER OF PROJECT: N 36° 9'2.35" W 95° 59'32.67"

NAME OF RECEIVING WATERS: ARKANSAS RIVER

SENSITIVE WATERS OR WATERSHEDS: YES NO

303(d) IMPAIRED WATERS: YES NO

NOTE: THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE OR SITE 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, AND NOTES.

SOIL STABILIZATION PRACTICES:

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

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

STRUCTURAL PRACTICES:

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

OFF SITE 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:

OTHER EROSION AND SEDIMENT CONTROLS

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 inches (as recorded by a non-freezing rain gauge to be located on site). Potentially erodible areas, drainage ways, 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 byproducts 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 (SW3P) is required to comply with the Oklahoma Pollution Discharge Elimination System (OPDES) regulations. This plan is developed 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) forms that have been filed with the Oklahoma Department of Environmental Quality (ODEQ). The plan must be kept current and 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 2009 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:

- 103.05 Bonding Requirements
- 104.08 Final Cleaning Up
- 104.12 Contractor's Responsibility for Work
- 104.13 Environmental Protection
- 106.08 Storage & Handling of Materials
- 107.01 Laws, Rules, & Regulations To Be Observed
- 107.15 Contractor's Responsibility for Work
- 107.15 Storm Water Management
- 220 Management of Erosion, Sedimentation, and Stormwater Pollution Prevention and Control
- 221 Temporary Sediment Control

In addition:

"ODEQ General Permit (OKR10) for Storm Water Discharges From Construction Activities within the State of Oklahoma". ODEQ, Water Quality Division, November 1, 2023.

S. CHEYENNE AVE.

STORMWATER MANAGEMENT PLAN

ARTERIAL STREET REHABILITATION PROJECTS 144017ao & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY: POE & ASSOCIATES, INC. 4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-3200

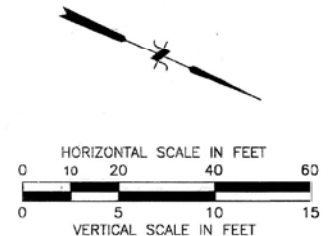
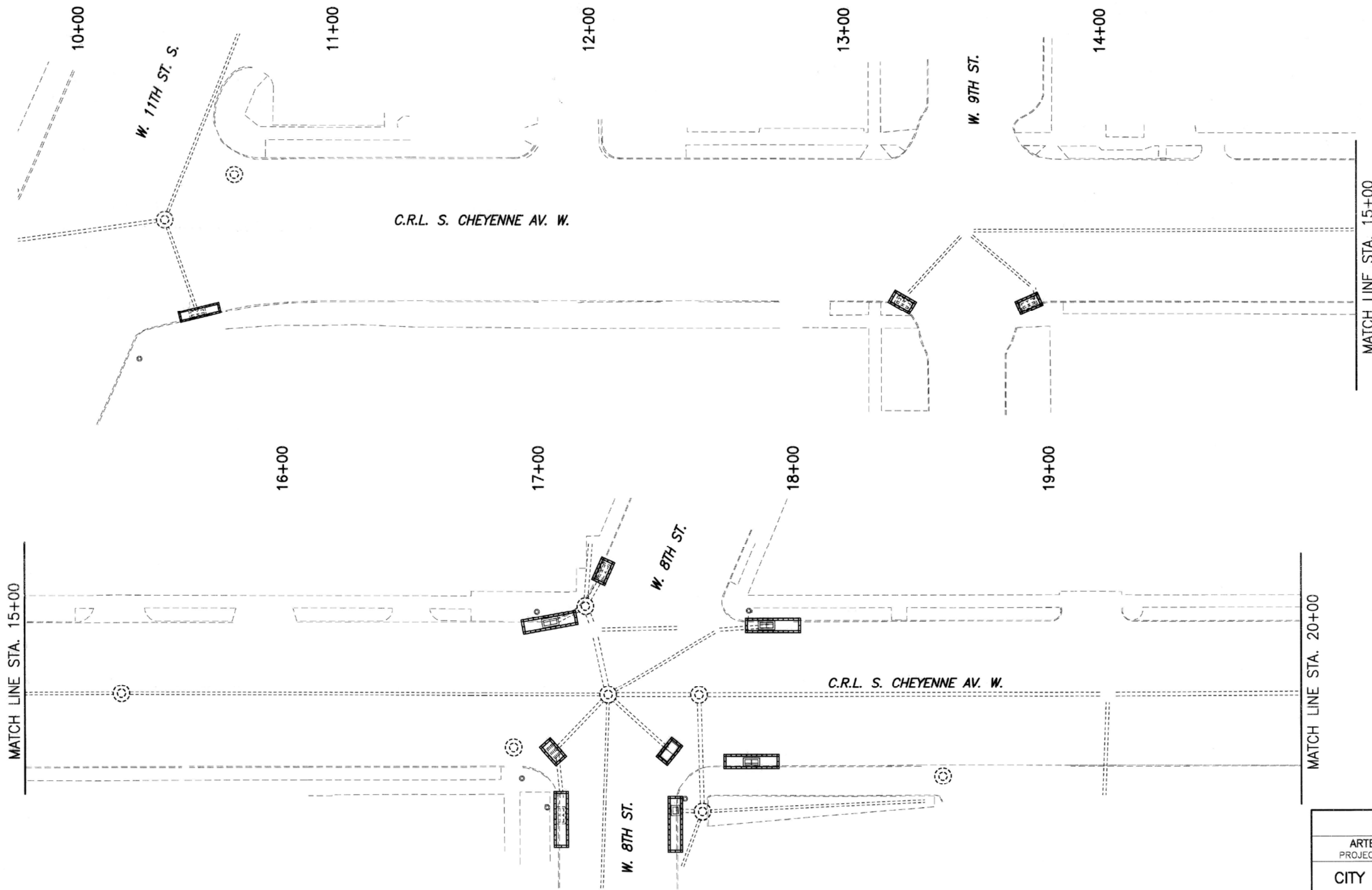
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VERTICAL:	RECOMMENDED			
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ATLAS PAGE NUMBER				



7054 CITY ENGINEER

DATE: 8/10/2026

SHEET 18 OF 72 SHEETS



LEGEND

SEDIMENT FILTER TYPE 1-A



REVISION	BY	DATE

EROSION CONTROL (1)

ARTERIAL STREET REHABILITATION

PROJECTS 14401700 & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA

PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:

POE & ASSOCIATES, INC.

4608 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

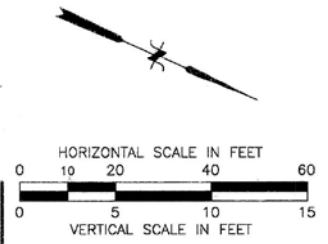
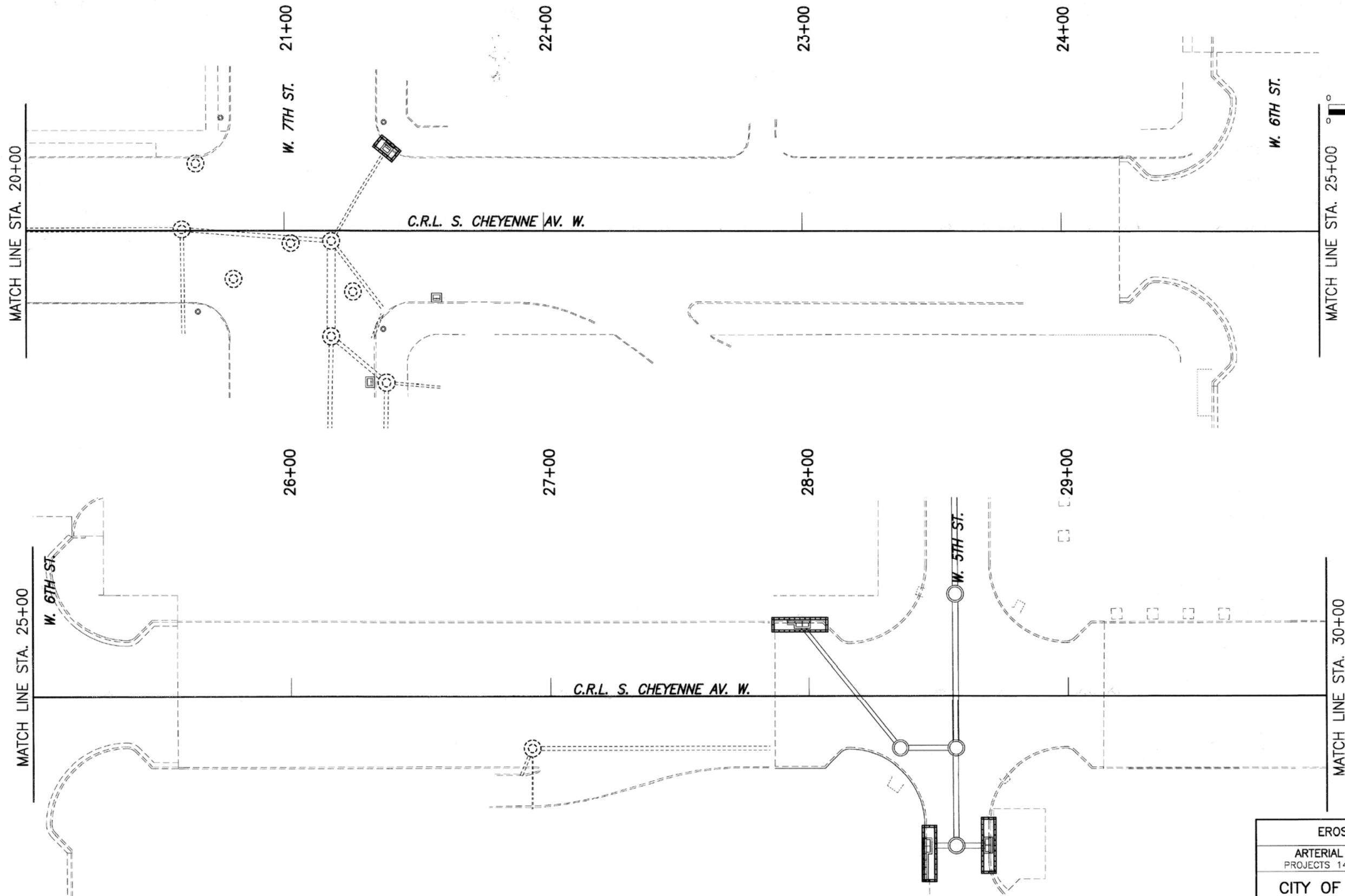
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HORIZONTAL:	LEAD ENG.	JTB	3/26	
1" = N/A	FIELD MGR.	JTB	3/26	
VERTICAL:	RECOMMENDED	JTB	3/26	
1" = N/A	DESIGN MANAGER	JTB	3/26	

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ATLAS PAGE NUMBER 1.6 SHEET 19 OF 72 SHEETS

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3/16/2026 10:05 AM I:\303867 CBD\LEVAD\303867EGP.DWG



LEGEND

 SEDIMENT FILTER TYPE 1-A



REVISION	BY	DATE

EROSION CONTROL (2)

ARTERIAL STREET REHABILITATION
PROJECTS 144017ao & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4606 S. GARNETT RD., SUITE 800 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	3/26	APPROVED
1" = 20'	DESIGNED	JTB	3/26	
	SURVEY			

PROFILE SCALE

HORIZONTAL:	PROJ. MGR.	JTB	3/26
1" = N/A	LEAD ENG.	JD	3/26
VERTICAL:	FIELD MGR.	JTB	3/26
1" = N/A	RECOMMENDED	JTB	3/26

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ATLAS PAGE NUMBER 1, 6

SHEET 20 OF 72 SHEETS

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MATCH LINE STA. 30+00

MATCH LINE STA. 35+00

MATCH LINE STA. 35+00

MATCH LINE STA. 40+00

31+00

32+00

33+00

34+00

36+00

37+00

38+00

39+00

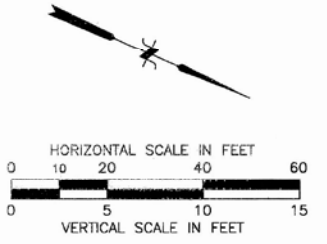
W. 3RD ST.

W. 4TH ST.

W. 2ND ST.

C.R.L. S. CHEYENNE AV. W.

C.R.L. S. CHEYENNE AV. W.



LEGEND



SEDIMENT FILTER TYPE 1-A



REVISION	BY	DATE

EROSION CONTROL (3)			
ARTERIAL STREET REHABILITATION			
PROJECTS 14401700 & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY: POE & ASSOCIATES, INC. 4506 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	3/26
1" = 20'	DESIGNED	JTB	3/26
PROFILE SCALE:	SURVEY		
HORIZONTAL:	PROJ. MGR.	JTB	3/26
1" = N/A	LEAD ENG.	JTB	3/26
VERTICAL:	FIELD MGR.	JTB	3/26
1" = N/A	RECOMMENDED	JTB	3/26
FILE: H:\303867	DRAWING: 303867ECP	DATE: 8/10/2026	
ATLAS PACE NUMBER 1, 6			

DATE: 8/10/2026

SHEET 21 OF 72 SHEETS

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W. 2ND ST.

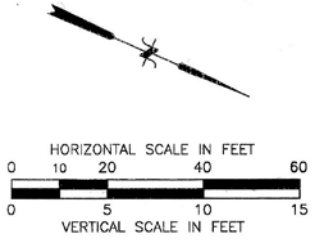
41+00

42+00

43+00

C.R.L. S. CHEYENNE AV. W.

W. 1ST ST.



LEGEND		SEDIMENT FILTER TYPE 1-A
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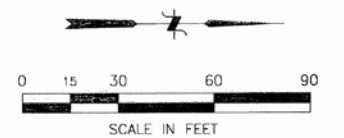
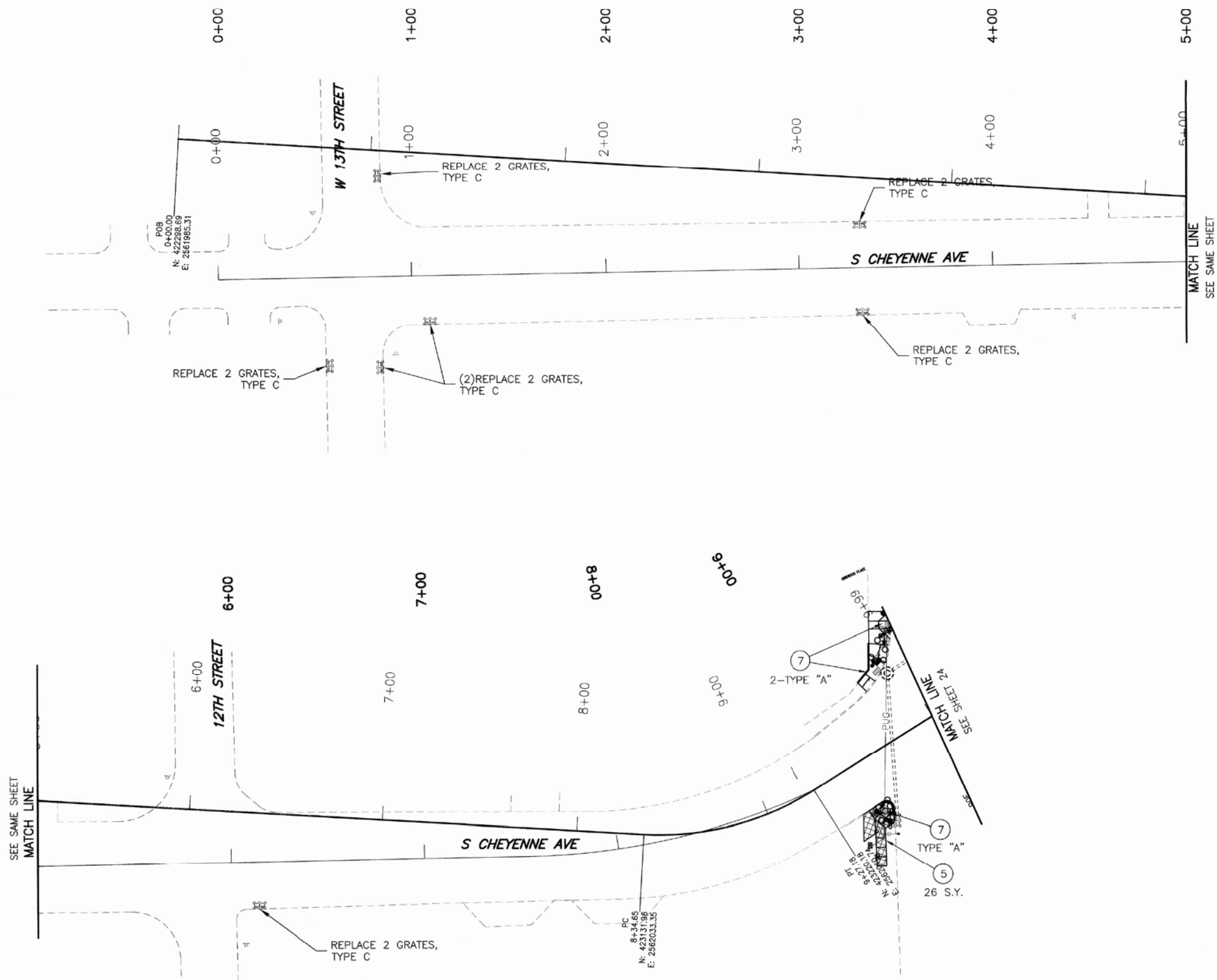
REVISION	BY	DATE

EROSION CONTROL (4)			
ARTERIAL STREET REHABILITATION			
PROJECTS 144017ao & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY: POE & ASSOCIATES, INC. 4506 S. GARNETT RD., SUITE 800 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	3/26
1" = 20'	DESIGNED	JTB	3/26
	SURVEY		
PROFILE SCALE	PROJ. MGR.	JTB	3/26
HORIZONTAL:	LEAD ENG.	JTB	3/26
1" = N/A	FIELD MGR.	JTB	3/26
VERTICAL:	RECOMMENDED	JTB	3/26
1" = N/A	DESIGN MANAGER	JTB	3/26
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ATLAS PAGE NUMBER 1, 6	SHEET 22 OF 72 SHEETS		

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LEGEND

- | | | | | | |
|---------------------------|------------------------------------|---|--|------------------------|----------------|
| 1A PCC RECONSTRUCTION | 4B CONSTRUCT INLET w/JB | 8C LEAVE IN PLACE; EDGE MILL | XX-X PROP. STRUCTURE NUMBER | B-1 SOIL BORING NO. | RECONSTRUCTION |
| 1B TYPE I PCC PATCH | 5 CONSTRUCT SIDEWALK | 9 ADJUST INLET TO GRADE | 13 REMOVE DRIVEWAY, CONSTRUCT CURB & GUTTER, AND SOD | DRIVEWAY REPAIR LIMITS | PATCHING |
| 1C MILL & OVERLAY | 6 CONSTRUCT DRIVEWAY | 10 ADJUST WATER OR GAS VALVE TO GRADE | | SIDEWALK REPAIR LIMITS | MILL & OVERLAY |
| 2 CONSTRUCT CURB & GUTTER | 7 CONSTRUCT CURB RAMP | 11 ADJUST WATER METER BOX TO GRADE | | | |
| 3 CONSTRUCT MANHOLE | 8A ADJUST PUBLIC MANHOLE TO GRADE | 12 REPLACE GRATES ONLY, PER GRATE w/TYPE C GRATES | | | |
| 4A CONSTRUCT INLET | 8B ADJUST PRIVATE MANHOLE TO GRADE | | | | |



S. CHEYENNE AVE.

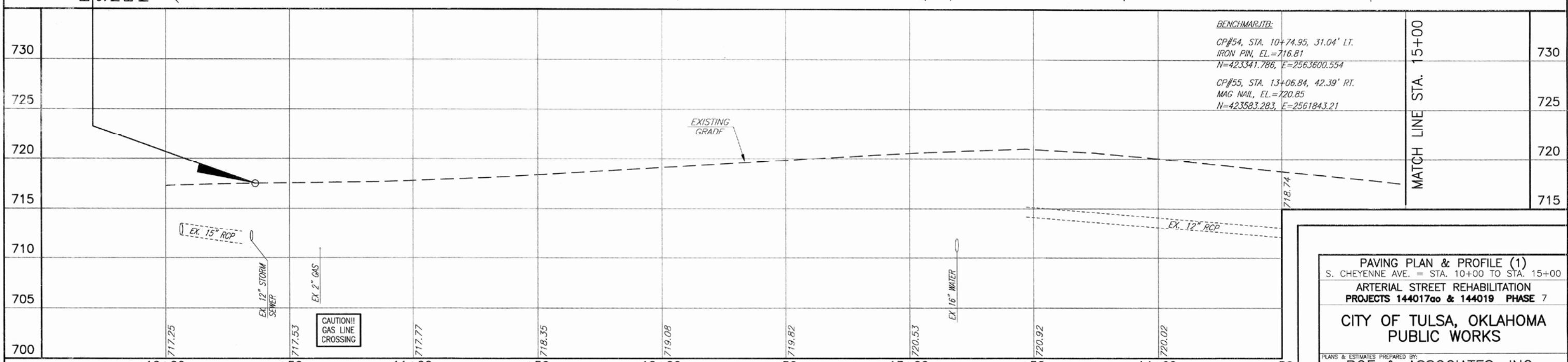
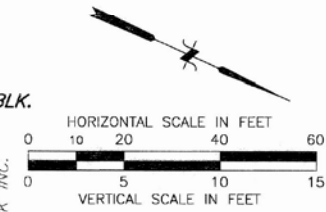
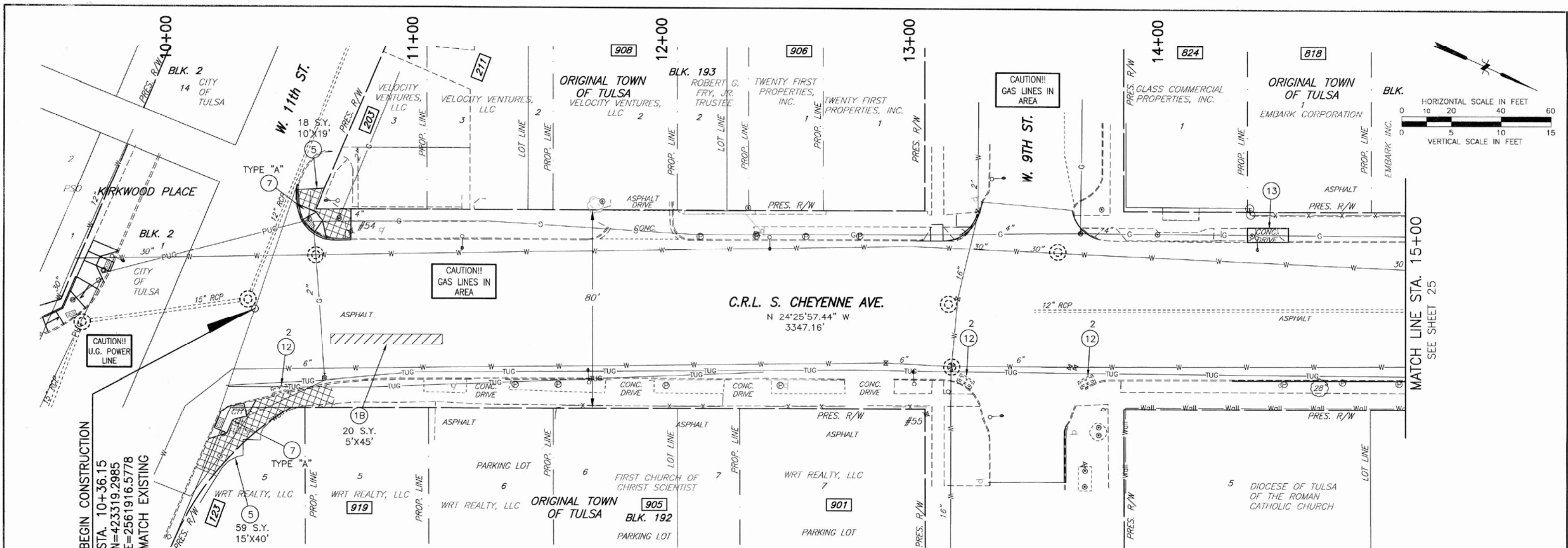
PAVING PLAN & PROFILE (0) ARTERIAL STREET REHABILITATION PROJECTS 144017ao & 144019 PHASE 7 CITY OF TULSA, OKLAHOMA PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4600 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = 30'	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	
PROFILE SCALE:	PROJ. MGR.	JTB	03/26	
HORIZONTAL:	LEAD ENG.	JTB	03/26	
1" = N/A	FIELD MGR.	JTB	03/26	
VERTICAL:	RECOMMENDED	JTB	03/26	
1" = N/A	DESIGN MANAGER	JTB	03/26	
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ATLAS PAGE NUMBER		SHEET 23 OF 72 SHEETS		



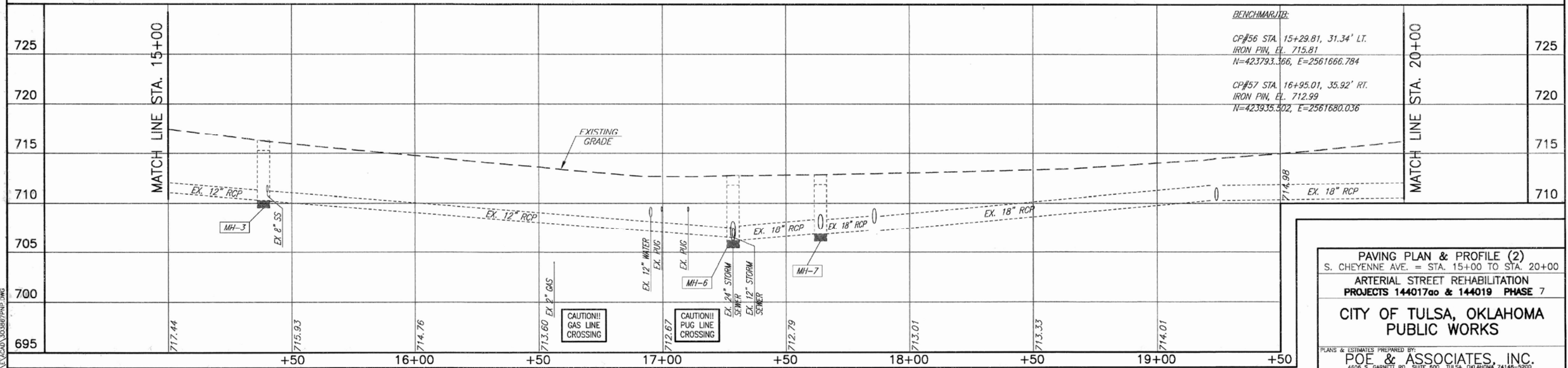
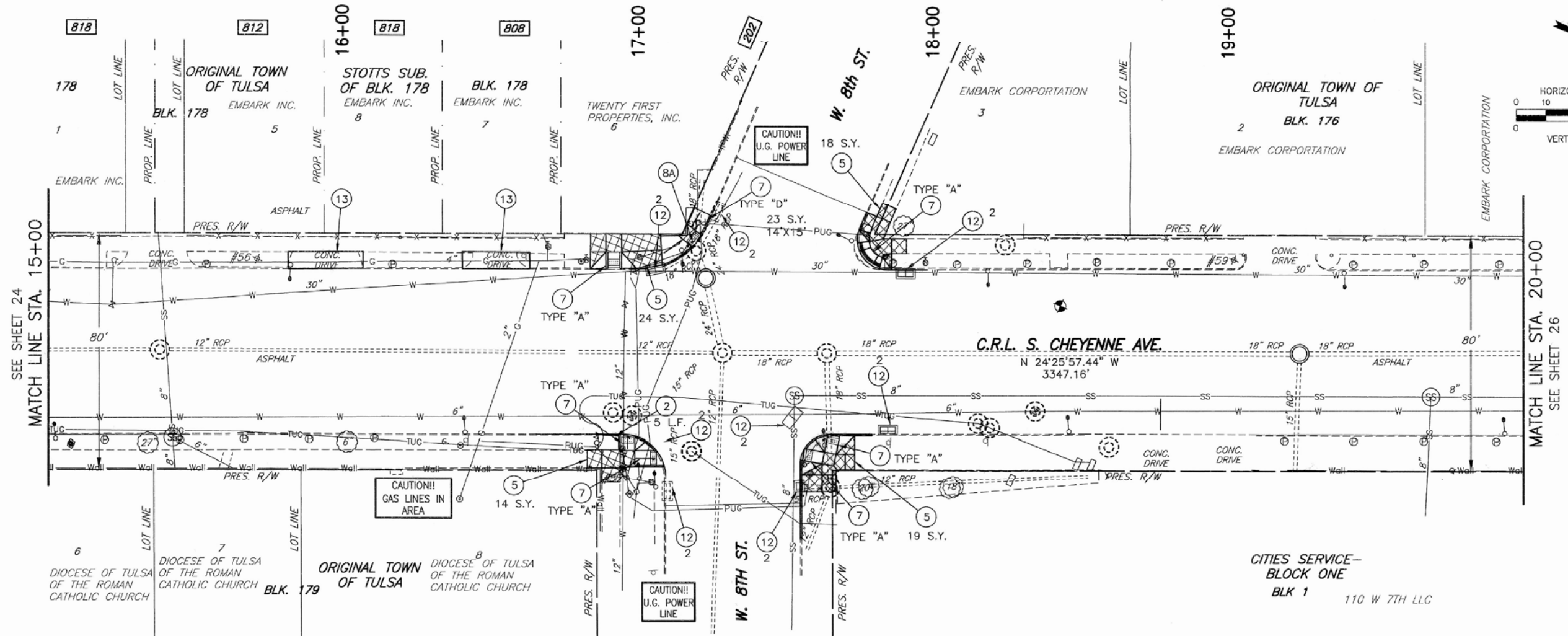
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LEGEND	PCC RECONSTRUCTION		CONSTRUCT INLET w/JB		LEAVE IN PLACE; EDGE MILL		PROP. STRUCTURE NUMBER		SOIL BORING NO.		RECONSTRUCTION	
	1A	TYPE I PCC PATCH	4B	CONSTRUCT DRIVEWAY	9	ADJUST INLET TO GRADE	XX-X	13	REMOVE DRIVEWAY, CONSTRUCT CURB & GUTTER, AND SOD	B-1	DRIVEWAY REPAIR LIMITS	PATCHING
1B	MILL & OVERLAY	5	CONSTRUCT DRIVEWAY	10	ADJUST WATER OR GAS VALVE TO GRADE	11	ADJUST WATER METER BOX TO GRADE	12	REPLACE GRATES ONLY, PER GRATE w/TYPE C GRATES	2	DRIVEWAY REPAIR LIMITS	MILL & OVERLAY
2	CONSTRUCT CURB & GUTTER	6	CONSTRUCT CURB RAMP	7	ADJUST PUBLIC MANHOLE TO GRADE	8A	ADJUST PRIVATE MANHOLE TO GRADE	8B				
3	CONSTRUCT MANHOLE	8A	ADJUST PUBLIC MANHOLE TO GRADE	8B	ADJUST PRIVATE MANHOLE TO GRADE							
4A	CONSTRUCT INLET	8B	ADJUST PRIVATE MANHOLE TO GRADE									



PAVING PLAN & PROFILE (1)			
S. CHEYENNE AVE. = STA. 10+00 TO STA. 15+00			
ARTERIAL STREET REHABILITATION			
PROJECTS 144017ao & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = 20'	DESIGNED	JTB	03/26
	SURVEY	JLT	03/26
PROFILE SCALE:	PROJ. MGR.	JTB	03/26
HORIZONTAL:	LEAD ENG.	JTB	03/26
1" = 20'	FIELD MGR.	JTB	03/26
VERTICAL:	RECOMMENDED	JTB	03/26
1" = 5'	DESIGN MANAGER	JTB	03/26
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ATLAS PAGE NUMBER: 6		SHEET:	74 OF 77 SHEETS



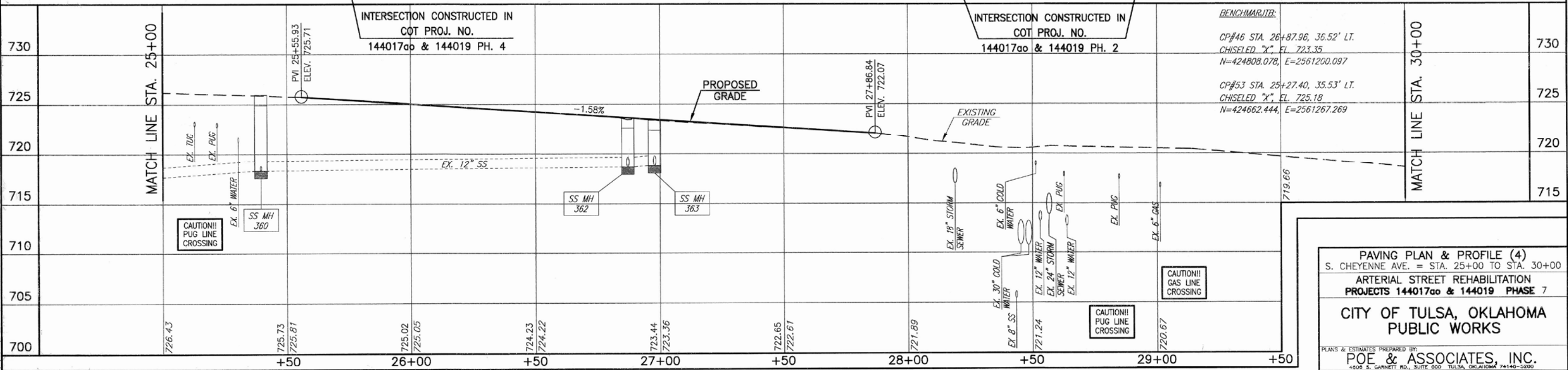
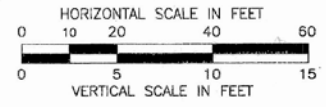
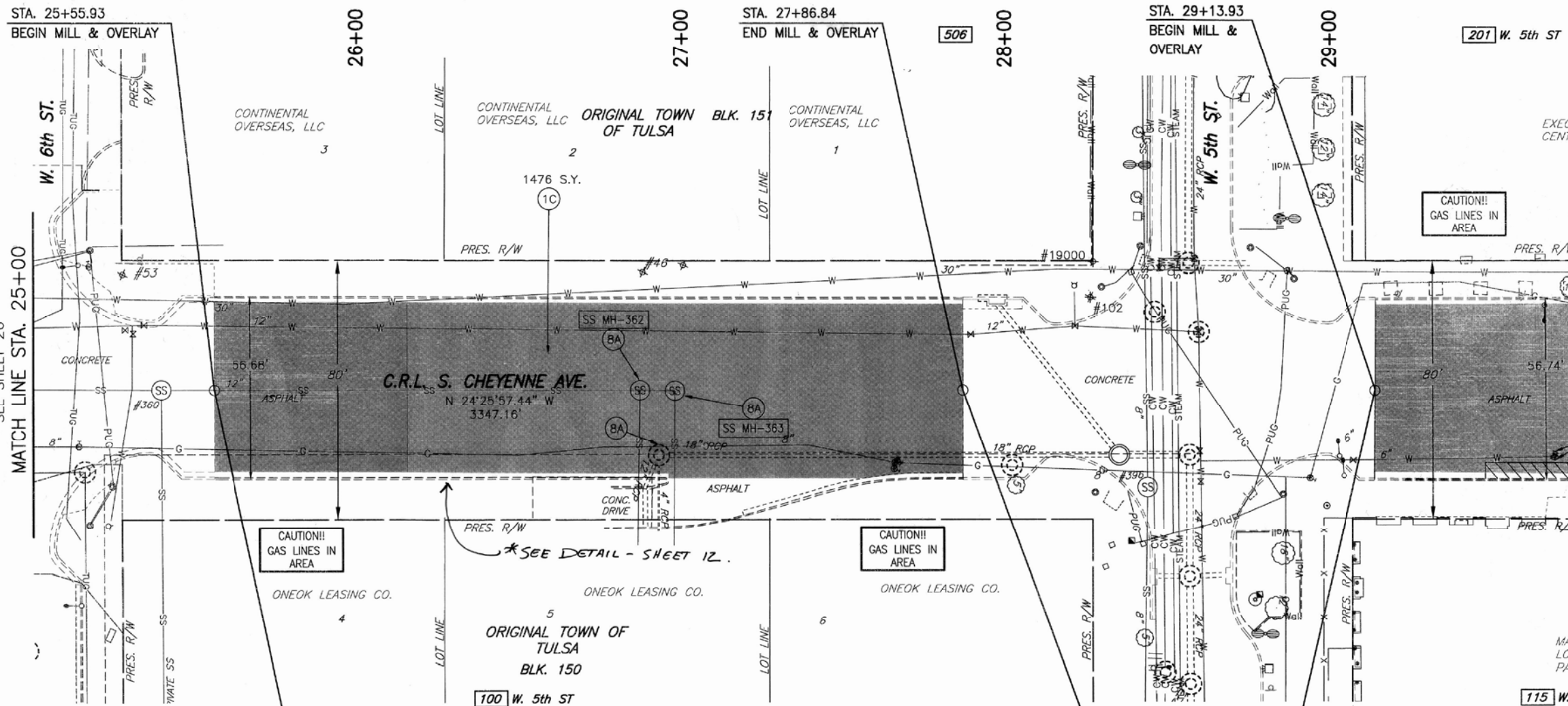
- LEGEND**
- | | | | | | |
|-----------------------------|--------------------------------------|---|--|------------------------|----------------|
| (1A) PCC RECONSTRUCTION | (4B) CONSTRUCT INLET w/JB | (8C) LEAVE IN PLACE; EDGE MILL | XX-X PROP. STRUCTURE NUMBER | B-1 SOIL BORING NO. | RECONSTRUCTION |
| (1B) TYPE I PCC PATCH | (5) CONSTRUCT SIDEWALK | (9) ADJUST INLET TO GRADE | (13) REMOVE DRIVEWAY, CONSTRUCT CURB & GUTTER, AND SOD | DRIVEWAY REPAIR LIMITS | PATCHING |
| (1C) MILL & OVERLAY | (6) CONSTRUCT DRIVEWAY | (10) ADJUST WATER OR GAS VALVE TO GRADE | | SIDEWALK REPAIR LIMITS | MILL & OVERLAY |
| (2) CONSTRUCT CURB & GUTTER | (7) CONSTRUCT CURB RAMP | (11) ADJUST WATER METER BOX TO GRADE | | | |
| (3) CONSTRUCT MANHOLE | (8A) ADJUST PUBLIC MANHOLE TO GRADE | (12) REPLACE GRATES ONLY, PER GRADE w/TYPE C GRATES | | | |
| (4A) CONSTRUCT INLET | (8B) ADJUST PRIVATE MANHOLE TO GRADE | | | | |



REVISION	BY	DATE

PAVING PLAN & PROFILE (2)		
S. CHEYENNE AVE. = STA. 15+00 TO STA. 20+00		
ARTERIAL STREET REHABILITATION		
PROJECTS 144017ao & 144019 PHASE 7		
CITY OF TULSA, OKLAHOMA PUBLIC WORKS		
PLANS & ESTIMATES PREPARED BY:		
POE & ASSOCIATES, INC.		
4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200		
PLAN SCALE:	DRAWN	JTB 03/26 APPROVED
1" = 20'	DESIGNED	JTB 03/26
	SURVEY	JLT 03/26
PROFILE SCALE:	PROJ. MGR.	JTB 3/26
HORIZONTAL:	LEAD ENG.	JP 3/26
1" = 20'	FIELD MGR.	JP 3/26
VERTICAL:	RECOMMENDED	JP 3/26
1" = 5'	DESIGN MANAGER	JP 3/26
FILE: 144017ao	DRAWING: 30387PMP	DATE: 8/10/2024
ATLAS PAGE NUMBER: 6		SHEET 25 OF 72 SHEETS

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- LEGEND**
- | | | | | | |
|-----------------------------|--------------------------------------|--|--|------------------------|----------------|
| (1A) PCC RECONSTRUCTION | (4B) CONSTRUCT INLET w/JB | (8C) LEAVE IN PLACE; EDGE MILL | XX-X PROP. STRUCTURE NUMBER | B-1 SOIL BORING NO. | RECONSTRUCTION |
| (1B) TYPE I PCC PATCH | (5) CONSTRUCT SIDEWALK | (9) ADJUST INLET TO GRADE | (13) REMOVE DRIVEWAY, CONSTRUCT CURB & GUTTER, AND SOD | DRIVEWAY REPAIR LIMITS | PATCHING |
| (1C) MILL & OVERLAY | (6) CONSTRUCT DRIVEWAY | (10) ADJUST WATER OR GAS VALVE TO GRADE | | SIDEWALK REPAIR LIMITS | MILL & OVERLAY |
| (2) CONSTRUCT CURB & GUTTER | (7) CONSTRUCT CURB RAMP | (11) ADJUST WATER METER BOX TO GRADE | | | |
| (3) CONSTRUCT MANHOLE | (8A) ADJUST PUBLIC MANHOLE TO GRADE | (12) REPLACE GRATES ONLY, PER GRATE w/TYP C GRATES | | | |
| (4A) CONSTRUCT INLET | (8B) ADJUST PRIVATE MANHOLE TO GRADE | | | | |



PAVING PLAN & PROFILE (4)
S. CHEYENNE AVE. = STA. 25+00 TO STA. 30+00
ARTERIAL STREET REHABILITATION
PROJECTS 144017ao & 144019 PHASE 7
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
 4508 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

REVISION	BY	DATE

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = 20'	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	

PROFILE SCALE:	PROJ. MGR.	203/26
HORIZONTAL:	LEAD ENG.	03/26
1" = 20'	FIELD MGR.	03/26
VERTICAL:	RECOMMENDED	
1" = 5'	DESIGN MANAGER	

FILE: H:\303867 DRAWING: 303867PWP DATE: 8/10/2026
 ATLAS PAGE NUMBER 6 SHEET 27 OF 72 SHEETS

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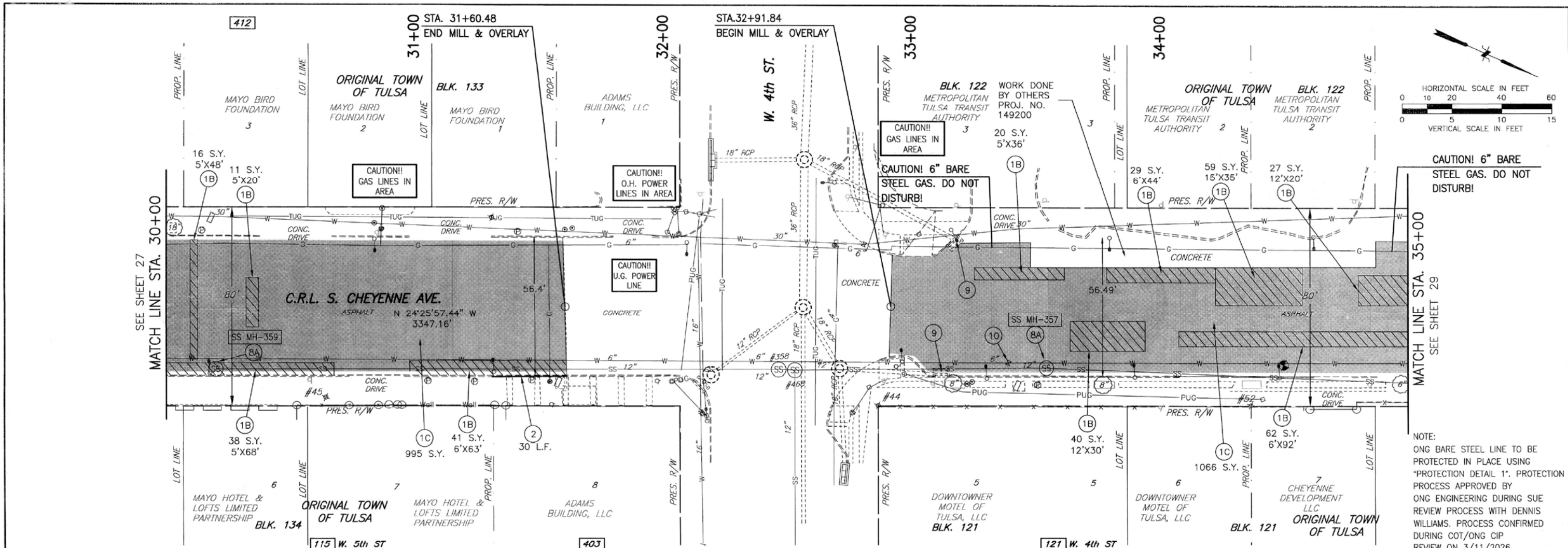
LEGEND

- | | | | | | |
|-----------------------------|--------------------------------------|---|--|------------------------|----------------|
| (1A) PCC RECONSTRUCTION | (4B) CONSTRUCT INLET w/JB | (8C) LEAVE IN PLACE; EDGE MILL | XX-X PROP. STRUCTURE NUMBER | B-1 SOIL BORING NO. | RECONSTRUCTION |
| (1B) TYPE I PCC PATCH | (5) CONSTRUCT SIDEWALK | (9) ADJUST INLET TO GRADE | (13) REMOVE DRIVEWAY, CONSTRUCT CURB & GUTTER, AND SOD | DRIVEWAY REPAIR LIMITS | PATCHING |
| (1C) MILL & OVERLAY | (6) CONSTRUCT DRIVEWAY | (10) ADJUST WATER OR GAS VALVE TO GRADE | | SIDEWALK REPAIR LIMITS | MILL & OVERLAY |
| (2) CONSTRUCT CURB & GUTTER | (7) CONSTRUCT CURB RAMP | (11) ADJUST WATER METER BOX TO GRADE | | | |
| (3) CONSTRUCT MANHOLE | (8A) ADJUST PUBLIC MANHOLE TO GRADE | (12) REPLACE GRATES ONLY, PER GRATE w/TYPE C GRATES | | | |
| (4A) CONSTRUCT INLET | (8B) ADJUST PRIVATE MANHOLE TO GRADE | | | | |

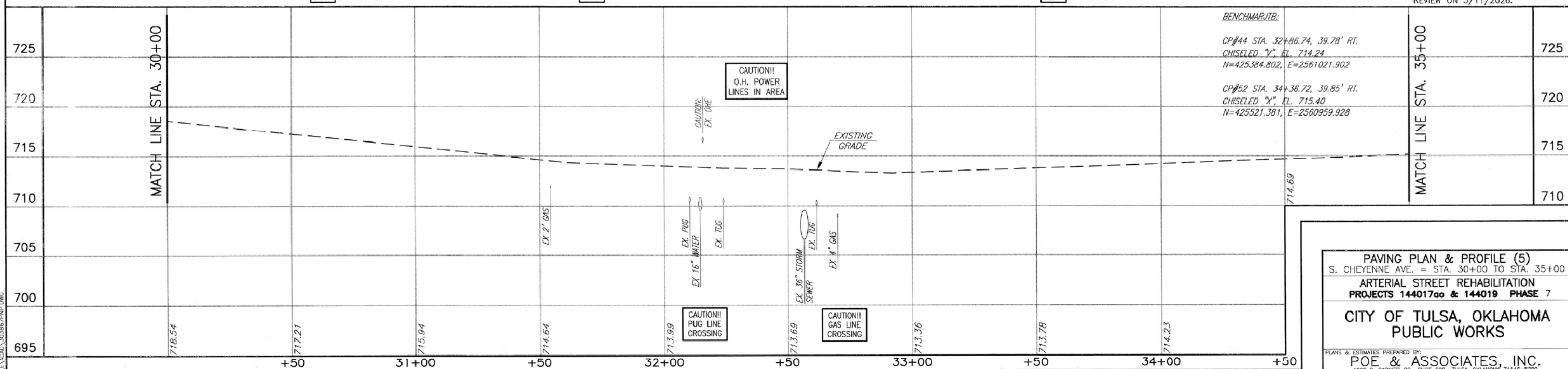


REVISION	BY	DATE

PAVING PLAN & PROFILE (5) S. CHEYENNE AVE. = STA. 30+00 TO STA. 35+00 ARTERIAL STREET REHABILITATION PROJECTS 14401700 & 144019 PHASE 7 CITY OF TULSA, OKLAHOMA PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY: POE & ASSOCIATES, INC. 4806 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB 03/26	APPROVED
1" = 20'	DESIGNED	JTB 03/26	
	SURVEY	JLT 03/26	
PROFILE SCALE:	PROJ. MGR.	JTB 4/26	
HORIZONTAL:	LEAD ENG.	JTB 4/26	
1" = 20'	FIELD MGR.	JTB 4/26	
VERTICAL:	RECOMMENDED	JTB 4/26	
1" = 5'	DESIGN MANAGER	JTB 4/26	
FILE: H:\303867	DRAWING: 303867PWP	DATE: 8/10/2026	
ATLAS PAGE NUMBER 6		SHEET 28 OF 72 SHEETS	



NOTE:
ONG BARE STEEL LINE TO BE PROTECTED IN PLACE USING "PROTECTION DETAIL 1". PROTECTION PROCESS APPROVED BY ONG ENGINEERING DURING SUE REVIEW PROCESS WITH DENNIS WILLIAMS. PROCESS CONFIRMED DURING COT/ONG CIP REVIEW ON 3/11/2026.



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LEGEND

- | | | | | | |
|-----------------------------|--------------------------------------|---|--|------------------------|----------------|
| (1A) PCC RECONSTRUCTION | (4B) CONSTRUCT INLET w/JB | (8C) LEAVE IN PLACE; EDGE MILL | XX-X PROP. STRUCTURE NUMBER | ⊕ SOIL BORING NO. | RECONSTRUCTION |
| (1B) TYPE I PCC PATCH | (5) CONSTRUCT SIDEWALK | (9) ADJUST INLET TO GRADE | (13) REMOVE DRIVEWAY, CONSTRUCT CURB & GUTTER, AND SOD | DRIVEWAY REPAIR LIMITS | PATCHING |
| (1C) MILL & OVERLAY | (6) CONSTRUCT DRIVEWAY | (10) ADJUST WATER OR GAS VALVE TO GRADE | SIDEWALK REPAIR LIMITS | MILL & OVERLAY | |
| (2) CONSTRUCT CURB & GUTTER | (7) CONSTRUCT CURB RAMP | (11) ADJUST WATER METER BOX TO GRADE | | | |
| (3) CONSTRUCT MANHOLE | (8A) ADJUST PUBLIC MANHOLE TO GRADE | (12) REPLACE GRATES ONLY, PER GRATE w/TYPE C GRATES | | | |
| (4A) CONSTRUCT INLET | (8B) ADJUST PRIVATE MANHOLE TO GRADE | | | | |

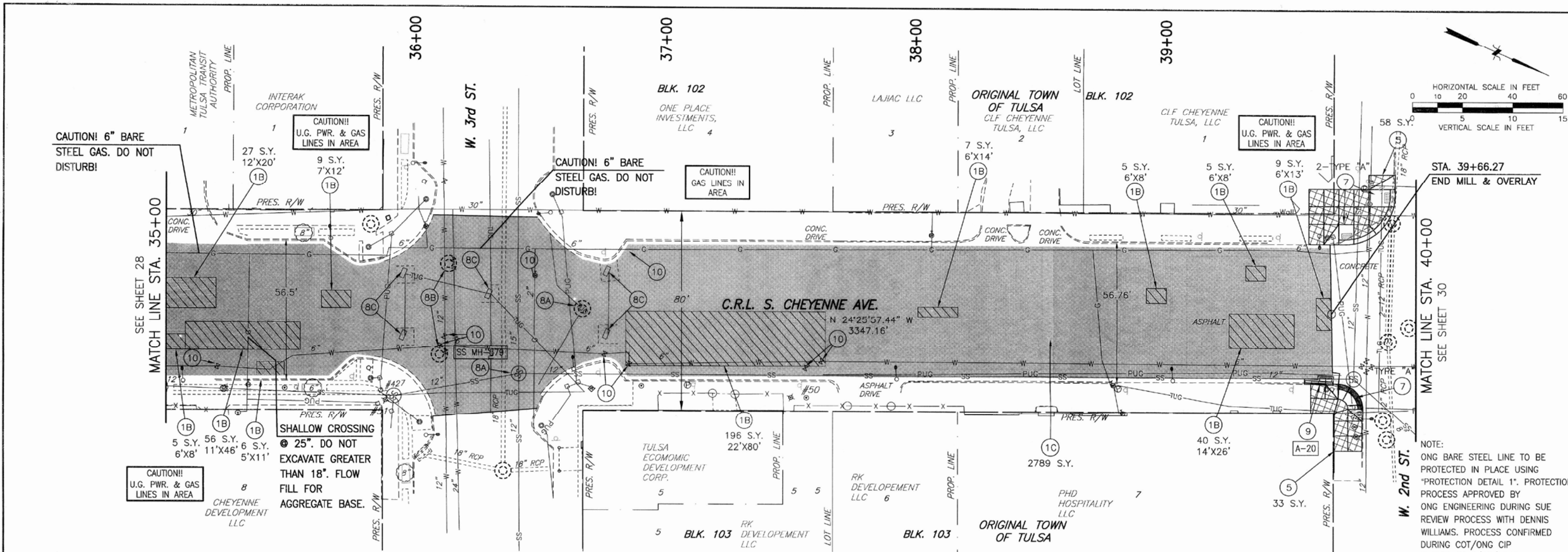
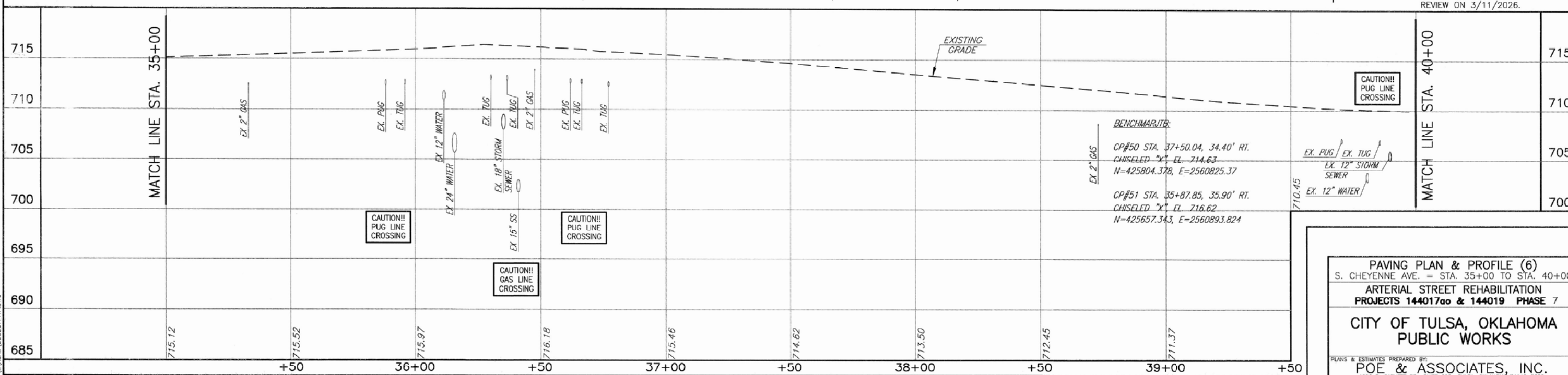


REVISION	BY	DATE

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1" = 20'	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	
PROFILE SCALE:	PROJ. MGR.	JTB	03/26	
HORIZONTAL:	LEAD ENG.	JTB	03/26	
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1" = 5'	RECOMMENDED	JTB	03/26	
	DESIGN MANAGER	JTB	03/26	

FILE: H:\303867 DRAWING: 303867P06 DATE: 0/10/2026

ATLAS PAGE NUMBER: 6 SHEET: 29 OF 72 SHEETS



PAVING PLAN & PROFILE (6) S. CHEYENNE AVE. = STA. 35+00 TO STA. 40+00 ARTERIAL STREET REHABILITATION PROJECTS 144017ao & 144019 PHASE 7 CITY OF TULSA, OKLAHOMA PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4806 S. GARNETT RD., SUITE 800 TULSA, OKLAHOMA 74146-5200

DESIGNED: JTB
CHECKED: JTB
APPROVED: JTB
DATE: 03/26

FILE: H:\303867 DRAWING: 303867P06 DATE: 0/10/2026

ATLAS PAGE NUMBER: 6 SHEET: 29 OF 72 SHEETS

STA. 40+46.85
BEGIN MILL & OVERLAY

SEE SHEET 29
MATCH LINE STA. 40+00

MATCH LINE STA. 40+00

CAUTION!!
PUG LINE
CROSSING

CAUTION!!
GAS LINE
CROSSING

709.96
709.44
707.78
705.88
703.93
701.91
699.80

ORIGINAL TOWN
OF TULSA

BLK. 92

ORIGINAL TOWN
OF TULSA

BLK. 92

C.R.L. S. CHEYENNE AVE.
N 24°25'57.44" W
3347.16'

TULSA PARKING
AUTHORITY
BLK. 91

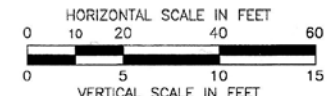
TULSA PARKING
AUTHORITY

BLK. 91

ORIGINAL TOWN
OF TULSA

TULSA PARKING
AUTHORITY

END MILL/OVERLAY
STA. 43+47.00
N=426333.8039
E=2560547.0674
MATCH EXISTING



715
710
705
700
695
690
685

BENCHMARK:

CP#48 STA. 43+46.73, 34.66' LT.
CHISELED "X", EL. 697.60
N=426319.066, E=2560515.692

CP#49 STA. 42+15.40, 38.75' LT.
CHISELED "X", EL. 702.88
N=426197.808, E=2560566.292

- LEGEND**
- | | | | | | |
|-----------------------------|--------------------------------------|---|--|------------------------|----------------|
| (1A) PCC RECONSTRUCTION | (4B) CONSTRUCT INLET w/JB | (8C) LEAVE IN PLACE; EDGE MILL | XX-X PROP. STRUCTURE NUMBER | B-1 SOIL BORING NO. | RECONSTRUCTION |
| (1B) TYPE I PCC PATCH | (5) CONSTRUCT SIDEWALK | (9) ADJUST INLET TO GRADE | (13) REMOVE DRIVEWAY, CONSTRUCT CURB & GUTTER, AND SOD | DRIVEWAY REPAIR LIMITS | PATCHING |
| (1C) MILL & OVERLAY | (6) CONSTRUCT DRIVEWAY | (10) ADJUST WATER OR GAS VALVE TO GRADE | | SIDEWALK REPAIR LIMITS | MILL & OVERLAY |
| (2) CONSTRUCT CURB & GUTTER | (7) CONSTRUCT CURB RAMP | (11) ADJUST WATER METER BOX TO GRADE | | | |
| (3) CONSTRUCT MANHOLE | (8A) ADJUST PUBLIC MANHOLE TO GRADE | (12) REPLACE GRATES ONLY, PER GRATE w/TYPE C GRATES | | | |
| (4A) CONSTRUCT INLET | (8B) ADJUST PRIVATE MANHOLE TO GRADE | | | | |

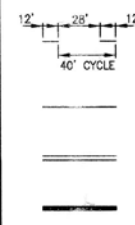


REVISION	BY	DATE

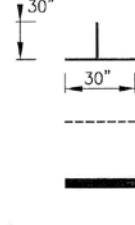
PAVING PLAN & PROFILE (7) S. CHEYENNE AVE.=STA. 40+00 TO STA. 43+47 ARTERIAL STREET REHABILITATION PROJECTS 144017ao & 144019 PHASE 7 CITY OF TULSA, OKLAHOMA PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY: POE & ASSOCIATES, INC. 4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = 20'	DESIGNED	JTB	03/26
PROFILE SCALE:	SURVEY	JTB	03/26
1" = 20'	PROJ. MGR.	JTB	03/26
HORIZONTAL:	LEAD ENG.	JTB	03/26
1" = 5'	FIELD MGR.	JTB	03/26
VERTICAL:	RECOMMENDED	JTB	03/26
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ATLAS PAGE NUMBER 6		SHEET 30 OF 72 SHEETS	

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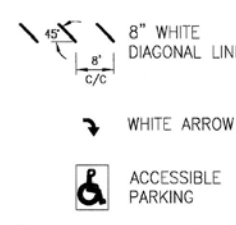
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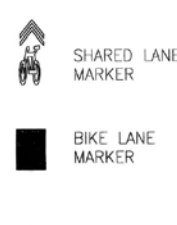
4" BROKEN WHITE LANE LINE
4" SOLID WHITE OR YELLOW LANE LINE
4" DOUBLE SOLID YELLOW CENTERLINE
FIRE LANE



PARKING 8" WHITE LINE
8" DOTTED WHITE LINE
24" STOP BAR



8" WHITE DIAGONAL LINE
WHITE ARROW
ACCESSIBLE PARKING



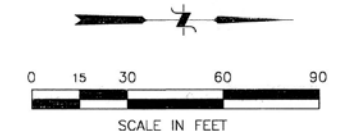
SHARED LANE MARKER
BIKE LANE MARKER



REVISION	BY	DATE

NOTE:

- ALL RADII ARE 10' UNLESS DIMENSIONED OTHERWISE.
- ALL STRIPING & SIGNAGE SHALL MEET CURRENT MUTCD GUIDELINES AND CITY OF TULSA STANDARDS



S. CHEYENNE AVE.

SIGNING & STRIPING PLAN (1)

ARTERIAL STREET REHABILITATION
PROJECTS 144017ao & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

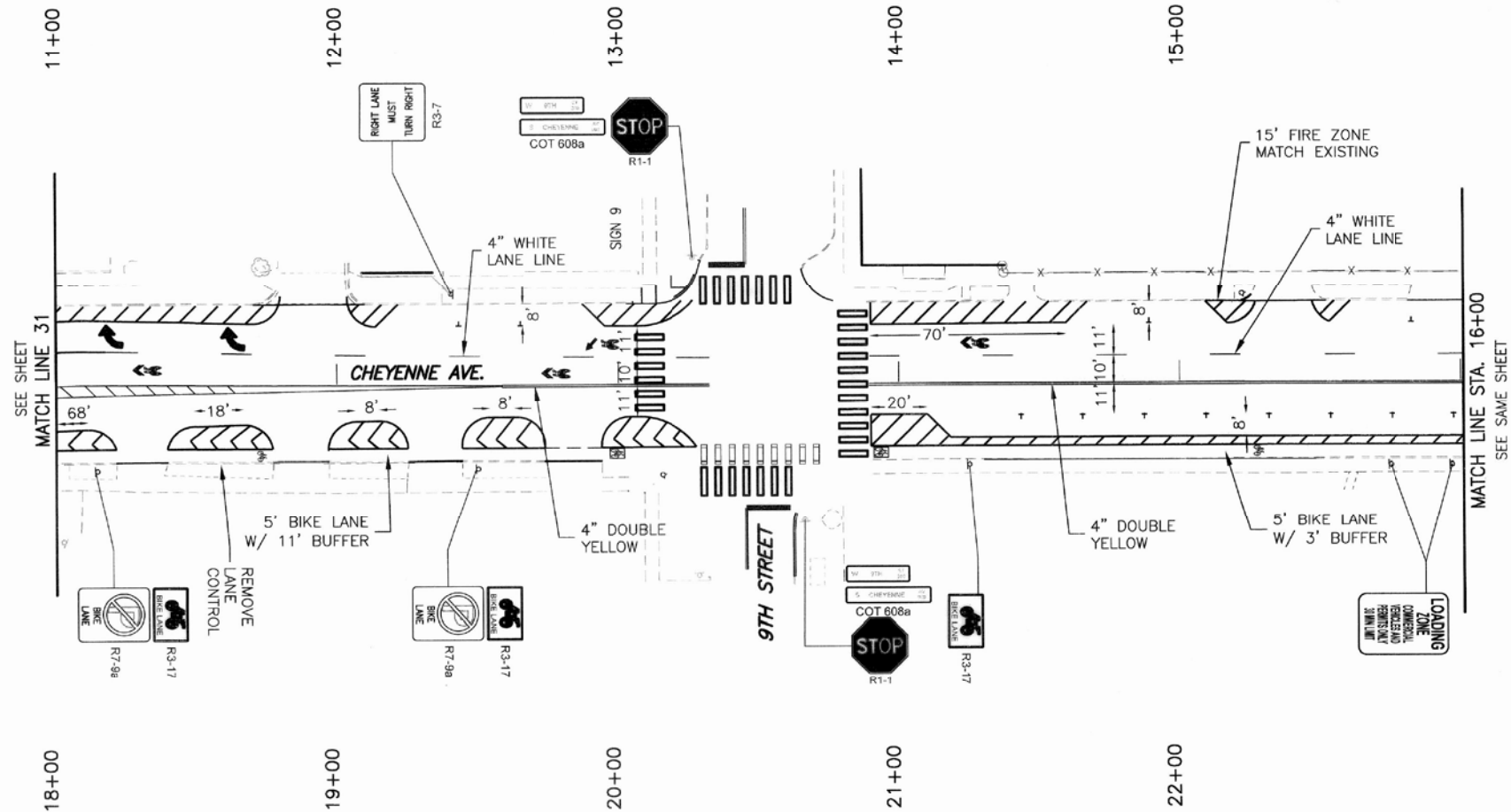
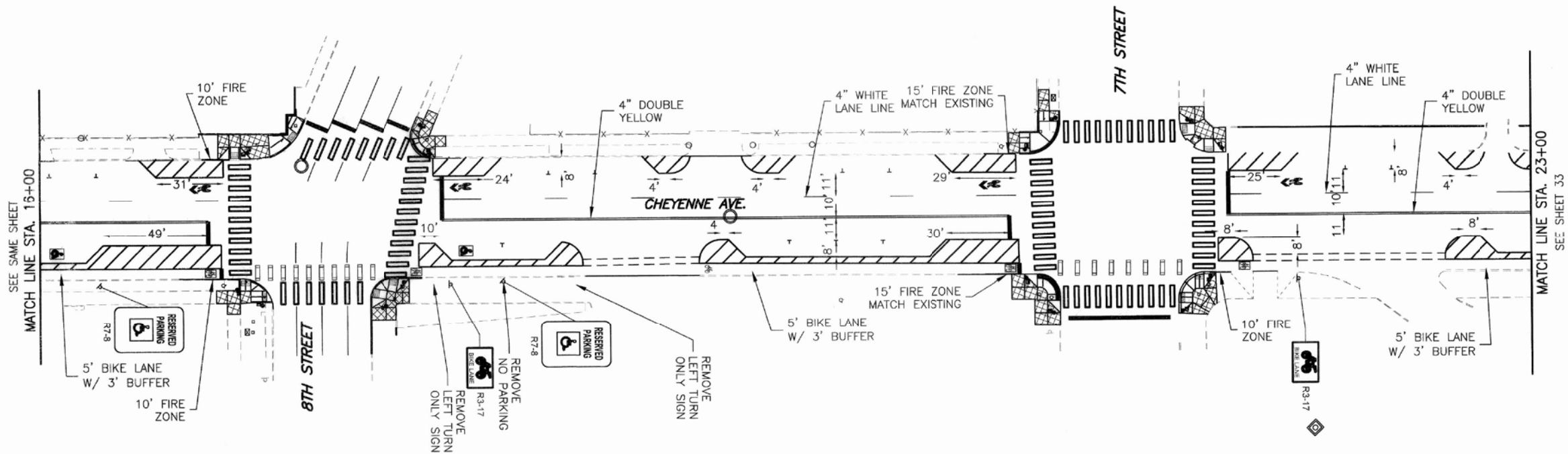
PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4605 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = 30'	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL:	LEAD ENG.			
1" = N/A	FIELD MGR.			
VERTICAL:	RECOMMENDED			
1" = N/A	DESIGN MANAGER			
FILE: H:\303867	DRAWING: 303867SSP	DATE: 8/10/2026		
ATLAS PAGE NUMBER		SHEET 31 OF 72 SHEETS		

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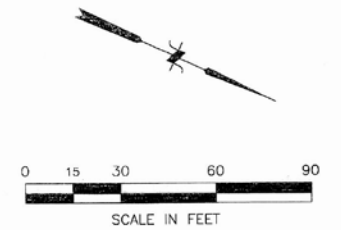
LEGEND

	4" BROKEN WHITE LANE LINE		8" WHITE DIAGONAL LINE		SHARED LANE MARKER
	4" SOLID WHITE OR YELLOW LANE LINE		WHITE ARROW		BIKE LANE MARKER
	4" DOUBLE SOLID YELLOW CENTERLINE		ACCESSIBLE PARKING		
	FIRE LANE				
	PARKING 8" WHITE LINE				
	8" DOTTED WHITE LINE				
	24" STOP BAR				



NOTE:

1. ALL RADII ARE 10' UNLESS DIMENSIONED OTHERWISE.
2. ALL STRIPING & SIGNAGE SHALL MEET CURRENT MUTCD GUIDELINES AND CITY OF TULSA STANDARDS



S. CHEYENNE AVE.

SIGNING & STRIPING PLAN (2)

ARTERIAL STREET REHABILITATION
PROJECTS 14401700 & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.

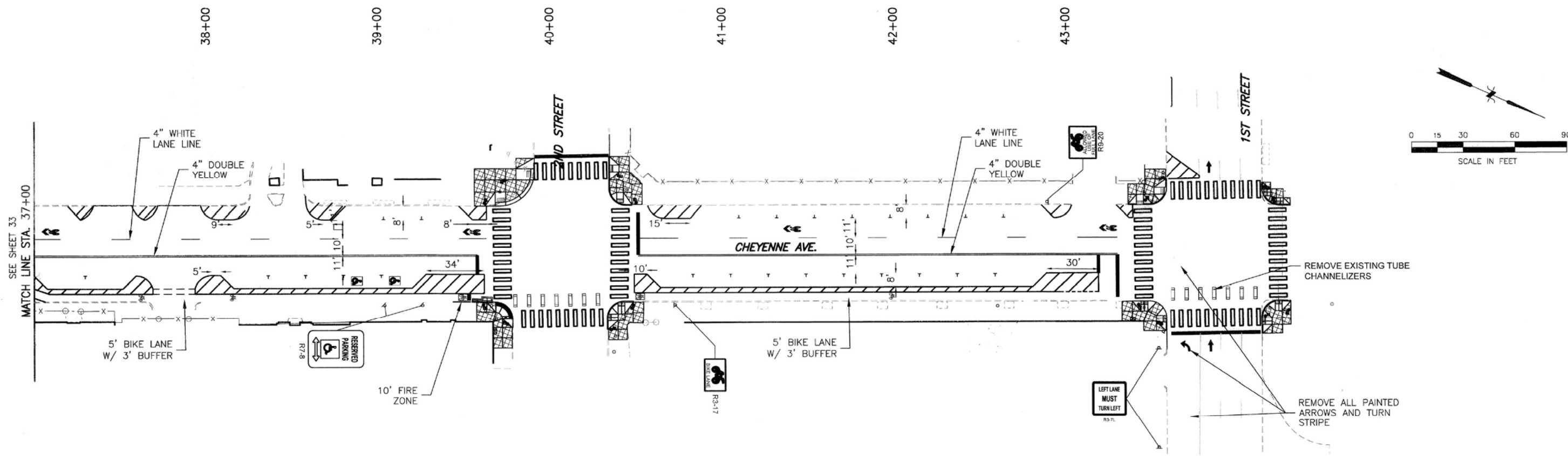
4606 S. GARNETT RD., SUITE 200 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = 30'	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL:	LEAD ENG.			
1" = N/A	FIELD MGR.			
VERTICAL:	RECOMMENDED			
1" = N/A	DESIGN MANAGER			
FILE: H:\	DRAWING: 303867SSP			
ATLAS PAGE NUMBER				

DATE: 8/10/2026

SHEET 32 OF 72 SHEETS





- NOTE:
1. ALL RADII ARE 10' UNLESS DIMENSIONED OTHERWISE.
 2. ALL STRIPING & SIGNAGE SHALL MEET CURRENT MUTCD GUIDELINES AND CITY OF TULSA STANDARDS

LEGEND

- 4" BROKEN WHITE LANE LINE
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- FIRE LANE

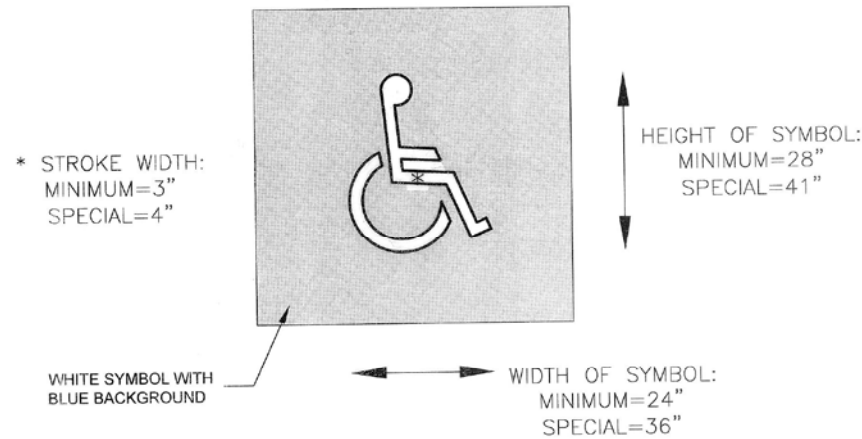
- PARKING 8" WHITE LINE
- 8" DOTTED WHITE LINE
- 24" STOP BAR

- 8" WHITE DIAGONAL LINE
- WHITE ARROW
- ACCESSIBLE PARKING
- SHARED LANE MARKER
- BIKE LANE MARKER

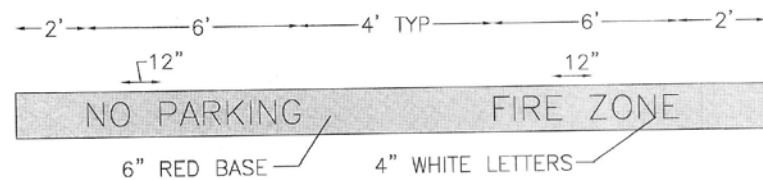


S. CHEYENNE AVE.			
SIGNING & STRIPING PLAN (4)			
ARTERIAL STREET REHABILITATION PROJECTS 14401700 & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY: POE & ASSOCIATES, INC. 4608 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = 30'	DESIGNED	JTB	03/26
	SURVEY	JLT	03/26
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL:	LEAD ENG.		
1" = N/A	FIELD MGR.		
VERTICAL:	RECOMMENDED		
1" = N/A	DESIGN MANAGER		
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ATLAS PAGE NUMBER		SHEET 34 OF 72 SHEETS	

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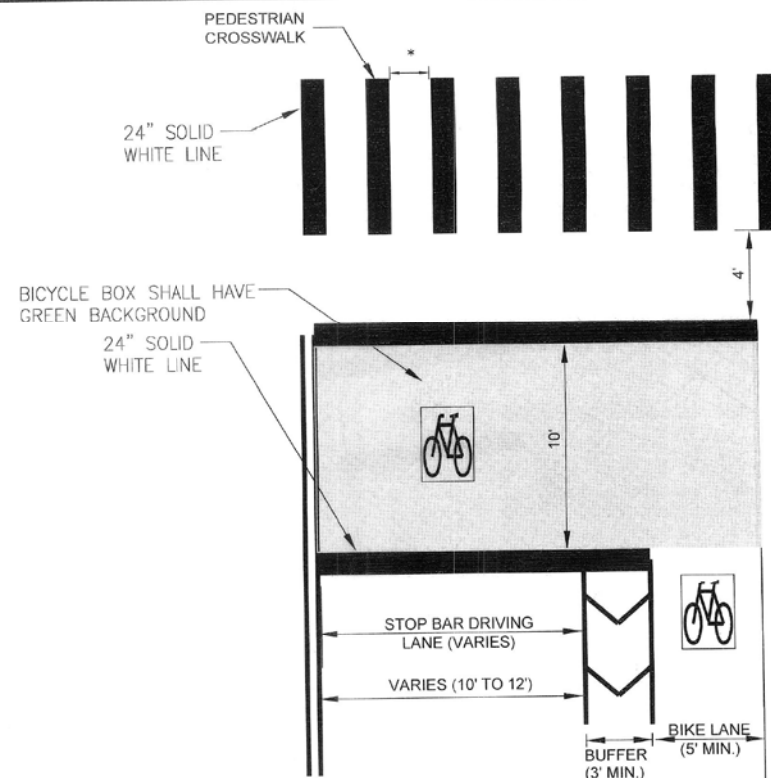
DETAIL FOR ACCESSIBLE PARKING SPACES
N.T.S.



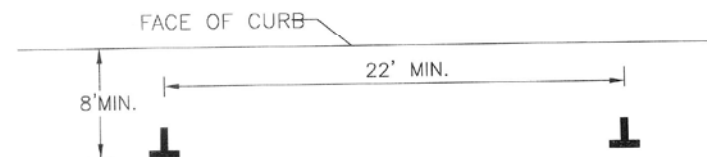
NOTE:

1. "NO PARKING FIRE ZONE" TO BE PAINTED ENTIRE LENGTH OF DEDICATED FIRE ZONE (MATCH EXISTING WHERE APPLICABLE.)
2. FIRE ZONE MARKINGS SHALL BE PLACED UPON VERTICAL SURFACE OF CURBS AND TOP SURFACE OF CURBS.
3. TYPICAL FIRE ZONES INSIDE IDL ARE 10' LONG IN FRONT OF SINGLE FIRE HYDRANTS OR SINGLE FDC'S. LONGER FIRE ZONES MAY EXIST AT INTERSECTIONS OR WHERE A FIRE HYDRANT AND FDC ARE NEAR EACH OTHER.

FIRE ZONE DETAIL
N.T.S.



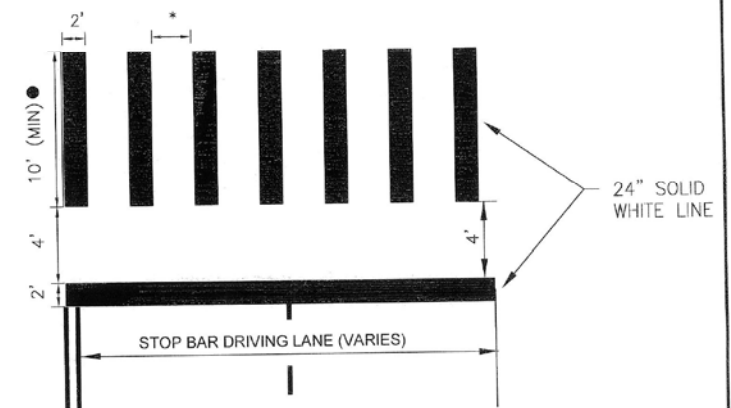
INTERSECTION BICYCLE BOX**
N.T.S.



PARALLEL PARKING DETAIL
N.T.S.

NOTE:

- 10' WITHIN LIMITS OF I.D.L.
- * CROSSWALK BARS SHALL ALIGN WITH LANE LINES AND CENTER OF LANES



CONTINENTAL CROSSWALK DETAIL
N.T.S.

S. CHEYENNE AVE.

SIGNING & STRIPING PLAN (5)
ARTERIAL STREET REHABILITATION
PROJECTS 14401700 & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4600 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5202

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = 30'	DESIGNED	JTB	03/26	
	SURVEY	JLT	03/26	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL:	LEAD ENG.			
1" = N/A	FIELD MGR.			
VERTICAL:	RECOMMENDED			
1" = N/A	DESIGN MANAGER			
FILE: H:\#####	DRAWING: 303867SSP			
ATLAS PAGE NUMBER				

REVISION	BY	DATE



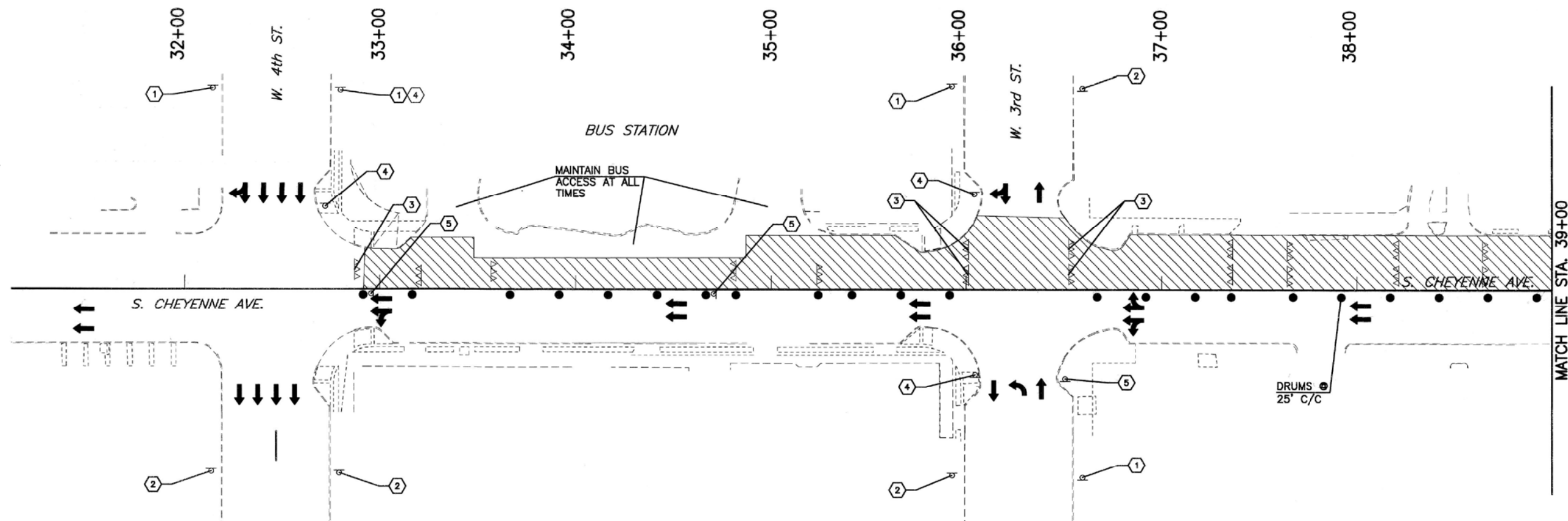
NOTE:

1. ALL STRIPING & SIGNAGE SHALL MEET CURRENT MUTCD GUIDELINES AND CITY OF TULSA STANDARDS

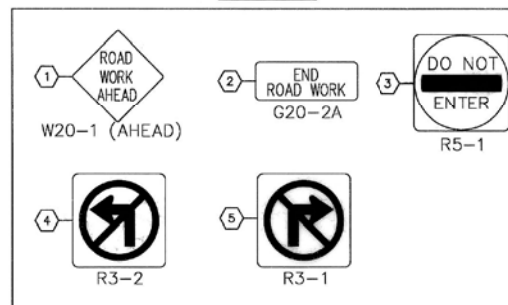
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LEGEND

	CONSTRUCTED IN PREVIOUS PHASE		DRUM W/TYPE "C" LIGHT		PROPOSED WATERLINE
	MILL/OVERLAY		MOVEABLE FENCE		
	RECONSTRUCTION PCC		TYPE III BARRICADE		
			SIGN		
			TRAFFIC DIRECTION		



LEGEND



NOTES:

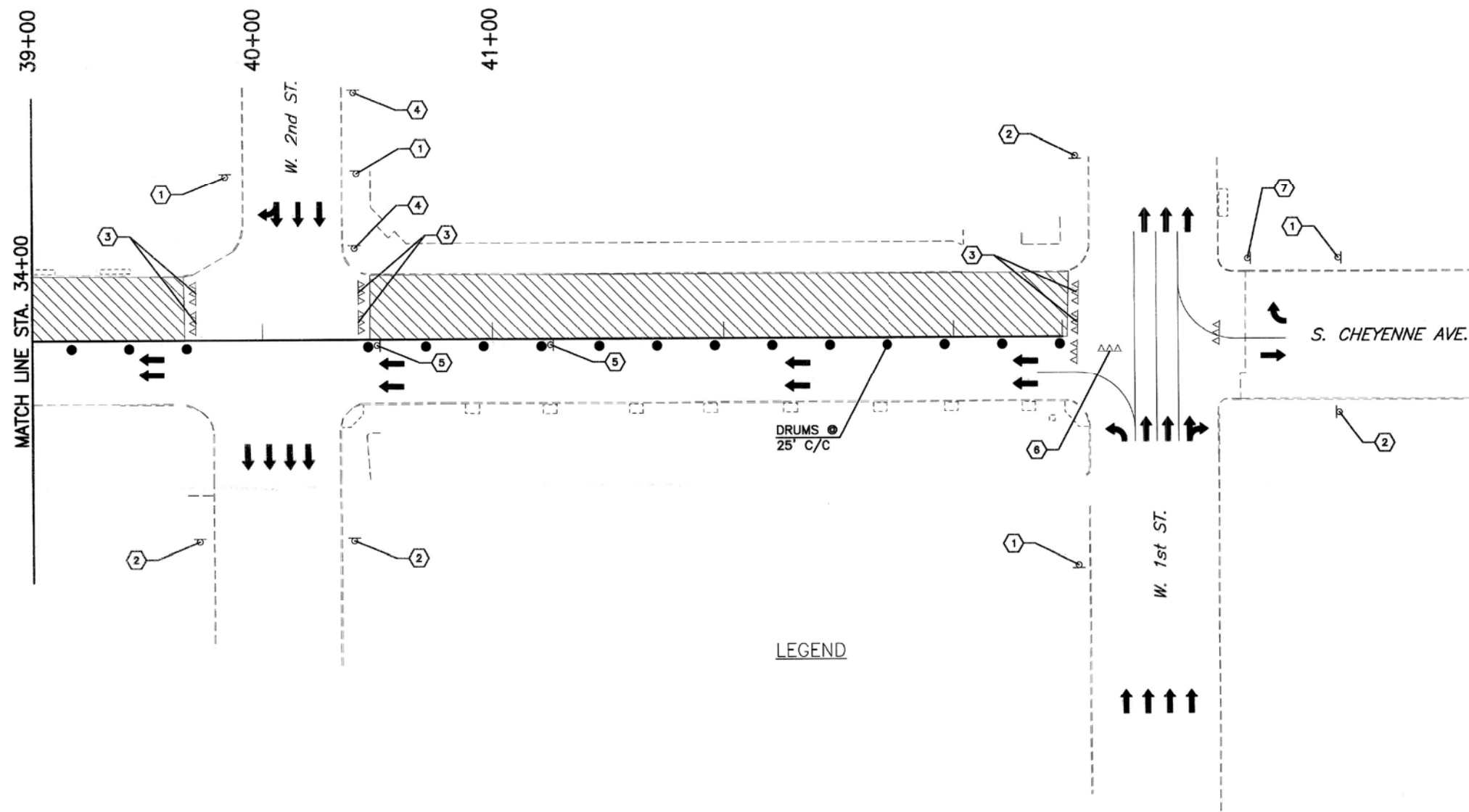
1. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
2. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
3. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.



NOT TO SCALE

REVISION	BY	DATE

S. CHEYENNE AVE.			
TRAFFIC CONTROL (1)			
PHASE 1A			
ARTERIAL STREET REHABILITATION			
PROJECTS 14401700 & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4806 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = N/A	DESIGNED	JTB	03/26
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL:	LEAD ENG.		
1" = N/A	FIELD MGR.		
VERTICAL:	RECOMMENDED		
1" = N/A	DESIGN MANAGER		
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ATLAS PAGE NUMBER 1, 4		SHEET 37 OF 72 SHEETS	



**SEE SHEET 50 FOR TYPICAL LANE CLOSURE

LEGEND

LEGEND

1 ROAD WORK AHEAD W20-1 (AHEAD)	2 END ROAD WORK G20-2A	3 DO NOT ENTER R5-1
4 R3-2	5 R3-1	6 ONLY R3-5(L)
7 ONLY R3-5(R)		

NOTES:

1. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
2. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
3. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.

S. CHEYENNE AVE.

TRAFFIC CONTROL (2)
PHASE 1A
ARTERIAL STREET REHABILITATION
PROJECTS 14401700 & 144019 PHASE 7
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4000 S. GARRETT RD., SUITE 600 TULSA, OKLAHOMA 74146-8200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
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HORIZONTAL:	LEAD ENG.			
1" = N/A	FIELD MGR.			
VERTICAL:	RECOMMENDED			
1" = N/A	DESIGN MANAGER			

FILE: H\30367 DRAWING: 30367TC03B DATE: 8/10/2026
ATLAS PAGE NUMBER 1, 4 SHEET 38 OF 72 SHEETS

NOT TO SCALE



LEGEND

CONSTRUCTED IN PREVIOUS PHASE	● DRUM W/TYPE "C" LIGHT	-W- PROPOSED WATERLINE
MILL/OVERLAY	-x- MOVEABLE FENCE	
RECONSTRUCTION PCC	▽▽▽ TYPE III BARRICADE	
	○ SIGN	
	→ TRAFFIC DIRECTION	

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LEGEND



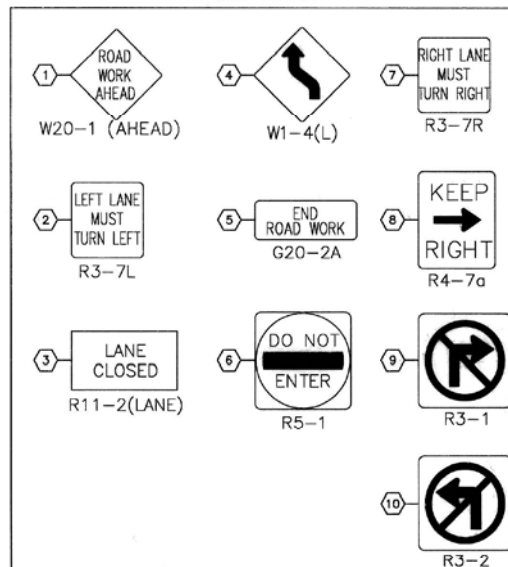
CONSTRUCTED IN PREVIOUS PHASE

MILL/OVERLAY

- DRUM W/TYPE "C" LIGHT
- X- MOVEABLE FENCE
- ▽▽▽ TYPE III BARRICADE
- SIGN
- TRAFFIC DIRECTION

-W- PROPOSED WATERLINE

LEGEND



NOTES:

1. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
2. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
3. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.



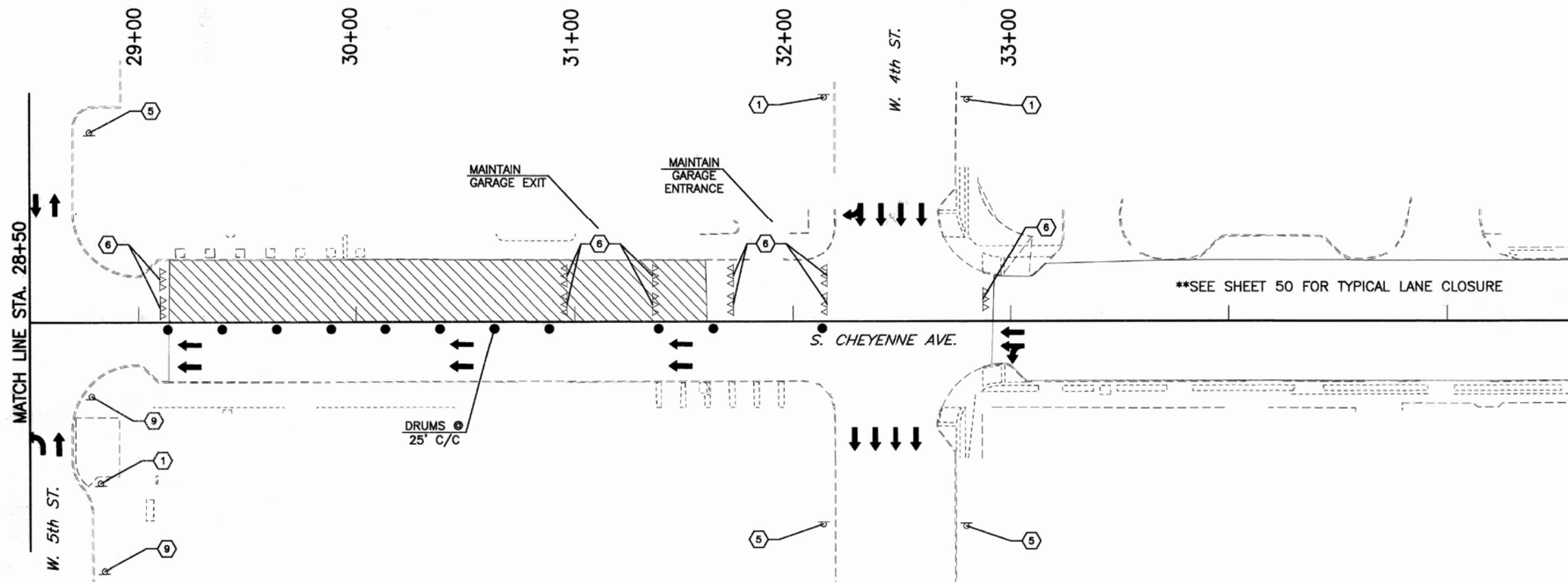
NOT TO SCALE

REVISION	BY	DATE

S. CHEYENNE AVE.			
TRAFFIC CONTROL (3)			
PHASE 1B			
ARTERIAL STREET REHABILITATION			
PROJECTS 144017aa & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4606 S. GARRETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = N/A	DESIGNED	JTB	03/26
	SURVEY		
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL:	LEAD ENG.	JTB	03/26
1" = N/A	FIELD MGR.	JTB	03/26
VERTICAL:	RECOMMENDED		
1" = N/A	DESIGN MANAGER		
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ATLAS PAGE NUMBER 1, 4			SHEET 39 OF 72 SHEETS

LEGEND

	CONSTRUCTED IN PREVIOUS PHASE	●	DRUM W/TYPE "C" LIGHT	-W-	PROPOSED WATERLINE
	MILL/OVERLAY	-X-	MOVEABLE FENCE		
	TYPE III BARRICADE	○	SIGN		
	TRAFFIC DIRECTION				



LEGEND

NOTES:

1. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
2. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
3. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.

NOT TO SCALE



REVISION	BY	DATE

S. CHEYENNE AVE.
TRAFFIC CONTROL (4)
PHASE 1B
ARTERIAL STREET REHABILITATION
PROJECTS 144017ao & 144019 PHASE 7
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4605 S. GAVINNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200

PLAN SCALE:	DRAWN	JTB	03/26	APPROVED
1" = N/A	DESIGNED	JTB	03/26	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL:	LEAD ENG.			
1" = N/A				
VERTICAL:	RECOMMENDED			
1" = N/A				

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ATLAS PAGE NUMBER 1, 4 SHEET 40 OF 72 SHEETS

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LEGEND



CONSTRUCTED IN PREVIOUS PHASE

MILL/OVERLAY

● DRUM W/TYPE "C" LIGHT

—x— MOVEABLE FENCE

vvv TYPE III BARRICADE

○ SIGN

→ TRAFFIC DIRECTION

—W— PROPOSED WATERLINE

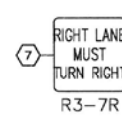
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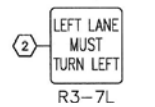
W20-1 (AHEAD)



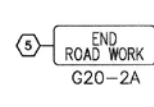
W1-4(L)



R3-7R



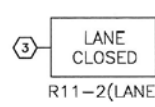
R3-7L



G20-2A



R4-7a



R11-2(LANE)



R5-1



R3-1



R3-2

NOTES:

1. PATCHING TO BE COMPLETED IN THIS PHASE.
2. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
3. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
4. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
5. W. 11TH ST. INTERSECTION TO BE ALL WAY STOP. SIGNALS TO BE TURNED OFF.

NOT TO SCALE



REVISION	BY	DATE

S. CHEYENNE AVE.	
TRAFFIC CONTROL (5)	
PHASE 1C	
ARTERIAL STREET REHABILITATION	
PROJECTS 144017ao & 144019 PHASE 7	
CITY OF TULSA, OKLAHOMA	
PUBLIC WORKS	
PLANS & ESTIMATES PREPARED BY:	
POE & ASSOCIATES, INC.	
4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-9200	
PLAN SCALE:	DRAWN JTB 03/26
1" = N/A	DESIGNED JTB 03/26
SURVEY	
PROFILE SCALE:	PROJ. MGR. JTB 03/26
HORIZONTAL:	LEAD ENG. JTB 03/26
1" = N/A	FIELD MGR. JTB 03/26
VERTICAL:	RECOMMENDED JTB 03/26
1" = N/A	DESIGN MANAGER JTB 03/26
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ATLAS PAGE NUMBER 1, 4	DATE: 8/10/2026
SHEET 41 OF 72 SHEETS	

3/6/2026 10:06 AM I:\303867 CSD\VCAD\303867\0019.DWG

LEGEND

- CONSTRUCTED IN PREVIOUS PHASE
- MOVEABLE FENCE
- TYPE III BARRICADE
- SIGN
- TRAFFIC DIRECTION
- DRUM W/TYPE "C" LIGHT
- PROPOSED WATERLINE
- MILL/OVERLAY

LEGEND

- 1 ROAD WORK AHEAD
W20-1 (AHEAD)
- 2 LEFT LANE MUST TURN LEFT
R3-7L
- 3 LANE CLOSED
R11-2(LANE)
- 5 END ROAD WORK
G20-2A
- 6 DO NOT ENTER
R5-1
- 7 RIGHT LANE MUST TURN RIGHT
R3-7R
- 8 KEEP RIGHT
R4-7a
- 9 NO RIGHT TURN
R3-1
- 10 NO LEFT TURN
R3-2
- 4 RIGHT LANE MUST TURN RIGHT
W1-4(L)

NOTES:

1. PATCHING TO BE COMPLETED IN THIS PHASE.
2. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
3. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
4. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.

NOT TO SCALE



S. CHEYENNE AVE.			
TRAFFIC CONTROL (6)			
PHASE 1C			
ARTERIAL STREET REHABILITATION			
PROJECTS 14401700 & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4006 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
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ATLAS PAGE NUMBER 1, 4			

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LEGEND



CONSTRUCTED IN PREVIOUS PHASE

MILL/OVERLAY

● DRUM W/TYPE "C" LIGHT

—X— MOVEABLE FENCE

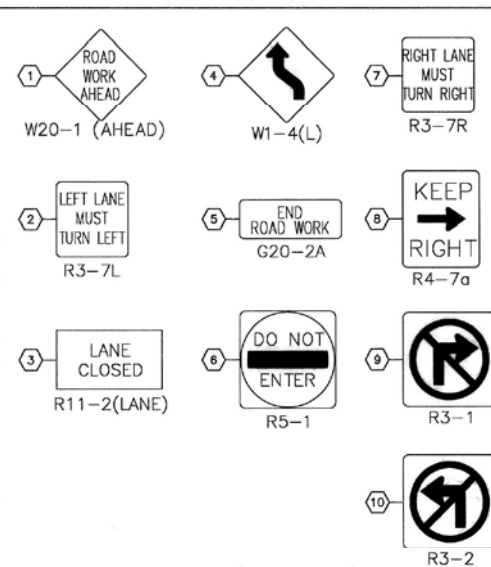
△△△ TYPE III BARRICADE

○ SIGN

→ TRAFFIC DIRECTION

—W— PROPOSED WATERLINE

LEGEND



NOTES:

1. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
2. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
3. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.



NOT TO SCALE

REVISION	BY	DATE

S. CHEYENNE AVE.			
TRAFFIC CONTROL (7)			
PHASE 2A			
ARTERIAL STREET REHABILITATION			
PROJECTS 144017ao & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4600 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = N/A	DESIGNED	JTB	03/26
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ATLAS PAGE NUMBER 1, 4	SHEET 43 OF 72 SHEETS		

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LEGEND

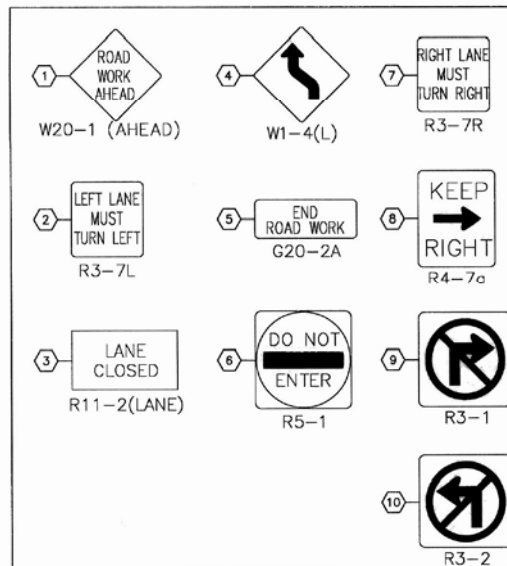


CONSTRUCTED IN PREVIOUS PHASE
MILL/OVERLAY

● DRUM W/TYPE "C" LIGHT
—X— MOVEABLE FENCE
▽▽▽ TYPE III BARRICADE
○ SIGN
➔ TRAFFIC DIRECTION

—W— PROPOSED WATERLINE

LEGEND



NOTES:

1. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
2. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
3. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.



NOT TO SCALE

REVISION	BY	DATE

S. CHEYENNE AVE.			
TRAFFIC CONTROL (8)			
PHASE 2A			
ARTERIAL STREET REHABILITATION			
PROJECTS 144017ao & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4606 S. GARNETT RD., SUITE 800 TULSA, OKLAHOMA 74146-8200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = N/A	DESIGNED	JTB	03/26
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ATLAS PAGE NUMBER 1, 4		SHEET 44 OF 72 SHEETS	

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LEGEND

	CONSTRUCTED IN PREVIOUS PHASE		DRUM W/TYPE "C" LIGHT		PROPOSED WATERLINE
	MILL/OVERLAY		MOVEABLE FENCE		
	RECONSTRUCTION PCC		TYPE III BARRICADE		
			SIGN		
			TRAFFIC DIRECTION		

LEGEND

 W20-1 (AHEAD)	 W1-4(L)	 R3-7R
 R3-7L	 G20-2A	 R4-7a
 R11-2(LANE)	 R5-1	 R3-1
		 R3-2

NOTES:

- PATCHING TO BE COMPLETED IN THIS PHASE.
- ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
- ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
- ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.

NOT TO SCALE



REVISION				BY	DATE

PLAN SCALE:	DRAWN:	JTB	03/26	APPROVED:
1" = N/A	DESIGNED:	JTB	03/26	
	SURVEY:			
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL:	LEAD ENG.			
1" = N/A	FIELD MGR.			
VERTICAL:	RECOMMENDED			
1" = N/A	DESIGN MANAGER			
FILE: H:\303867	DRAWING: 303867T01A			
ATLAS PAGE NUMBER 1, 4				

S. CHEYENNE AVE.

TRAFFIC CONTROL (9)
PHASE 2B

ARTERIAL STREET REHABILITATION
PROJECTS 144017a & 144019 PHASE 7

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

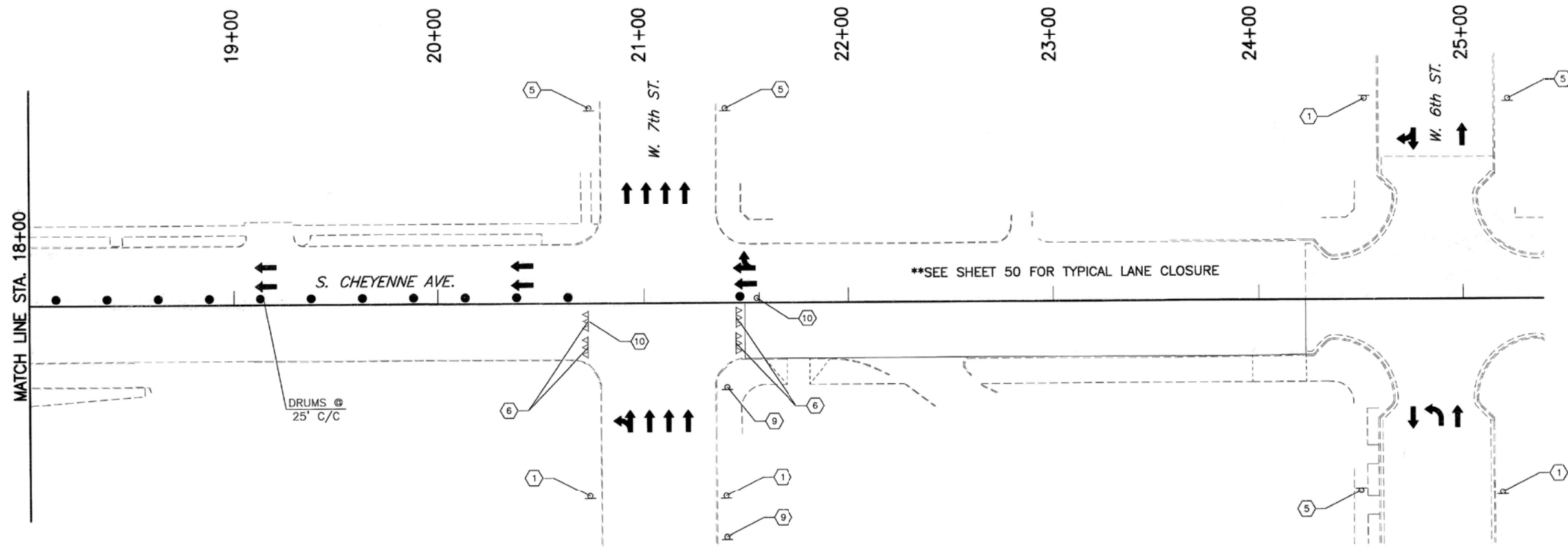
PLANS & ESTIMATES PREPARED BY:
POE & ASSOCIATES, INC.
4806 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74148-5200

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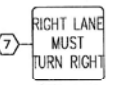
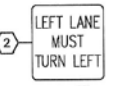
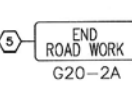
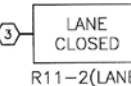
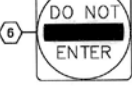
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LEGEND

	CONSTRUCTED IN PREVIOUS PHASE		DRUM W/TYPE "C" LIGHT		PROPOSED WATERLINE
	MILL/OVERLAY		MOVEABLE FENCE		TYPE III BARRICADE
	RECONSTRUCTION PCC		SIGN		TRAFFIC DIRECTION



LEGEND

		
W20-1 (AHEAD)	W1-4(L)	R3-7R
		
R3-7L	G20-2A	R4-7a
		
R11-2(LANE)	R5-1	R3-1
		
		R3-2

NOTES:

1. PATCHING TO BE COMPLETED IN THIS PHASE.
2. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
3. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
4. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.

NOT TO SCALE



REVISION	BY	DATE

S. CHEYENNE AVE.			
TRAFFIC CONTROL (10)			
PHASE 2B			
ARTERIAL STREET REHABILITATION			
PROJECTS 14401700 & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4608 S. GARNETT RD., SUITE 800 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = N/A	DESIGNED	JTB	03/26
	SURVEY		
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL:	LEAD ENG.		
1" = N/A	FIELD MGR.		
VERTICAL:	RECOMMENDED		
1" = N/A	DESIGN MANAGER		
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ATLAS PAGE NUMBER 1, 4			SHEET 46 OF 72 SHEETS

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LEGEND

	CONSTRUCTED IN PREVIOUS PHASE		DRUM W/TYPE "C" LIGHT		PROPOSED WATERLINE
	MILL/OVERLAY		MOVEABLE FENCE		
	RECONSTRUCTION PCC		TYPE III BARRICADE		
			SIGN		
			TRAFFIC DIRECTION		

LEGEND

 W20-1 (AHEAD)	 W1-4(L)	 R3-7R
 R3-7L	 G20-2A	 R4-7a
 R11-2(LANE)	 R5-1	 R3-1
		 R3-2

NOTES:

1. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
2. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
3. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.



NOT TO SCALE

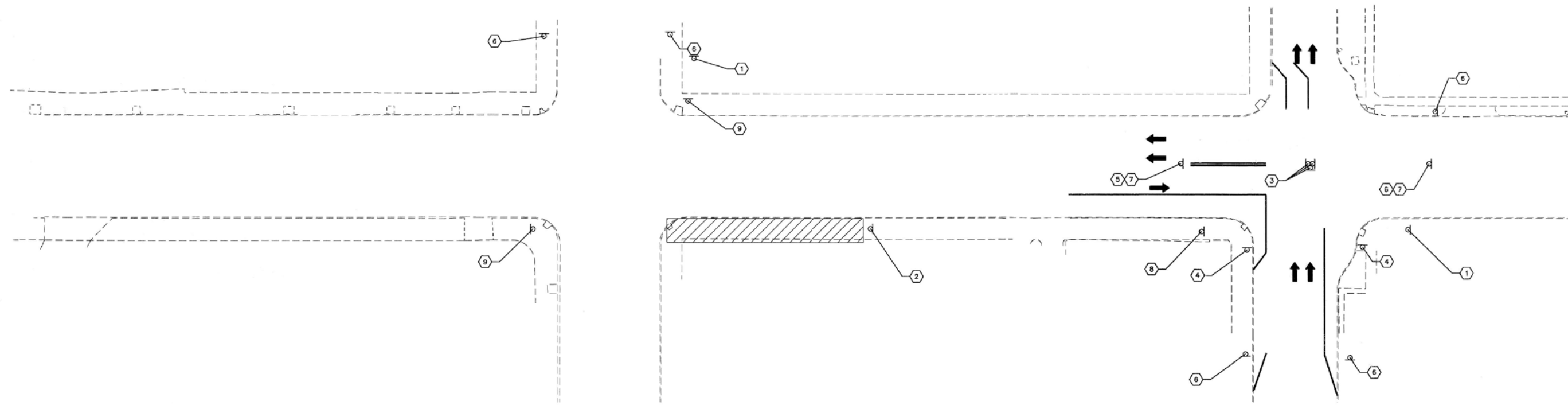
REVISION	BY	DATE

S. CHEYENNE AVE.			
TRAFFIC CONTROL (11)			
PHASE 2C			
ARTERIAL STREET REHABILITATION			
PROJECTS 14401700 & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4008 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
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HORIZONTAL:	LEAD ENG.		
1" = N/A	FIELD MGR.		
VERTICAL:	RECOMMENDED		
1" = N/A	DESIGN MANAGER		
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ATLAS PAGE NUMBER 1, 4		SHEET 47 OF 72 SHEETS	

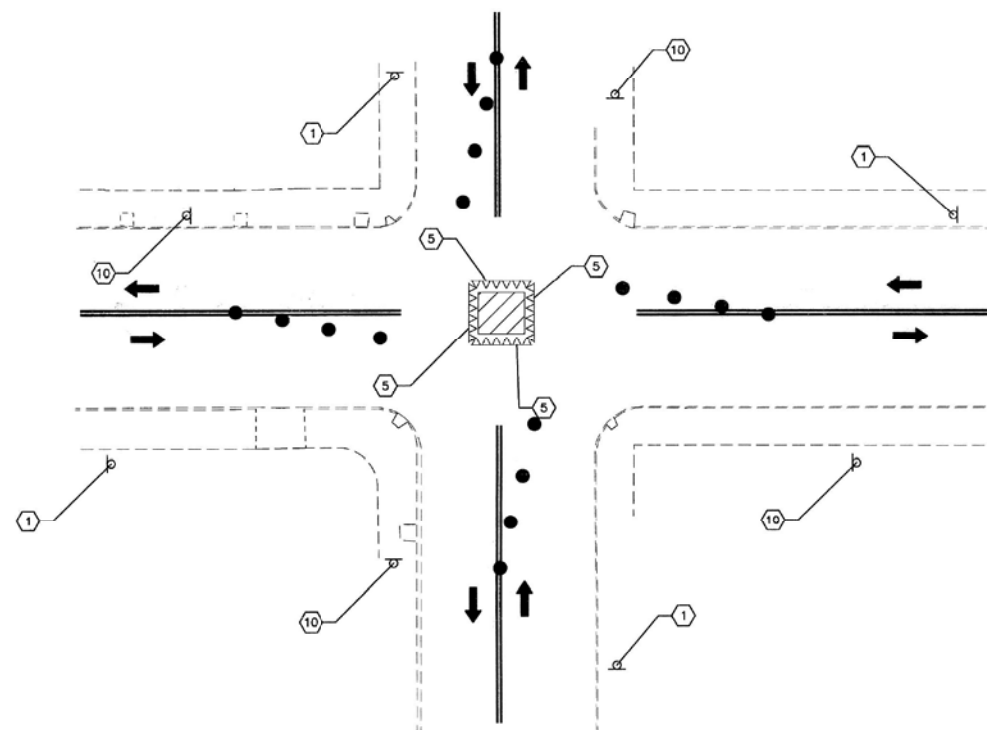


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CITY ENGINEER

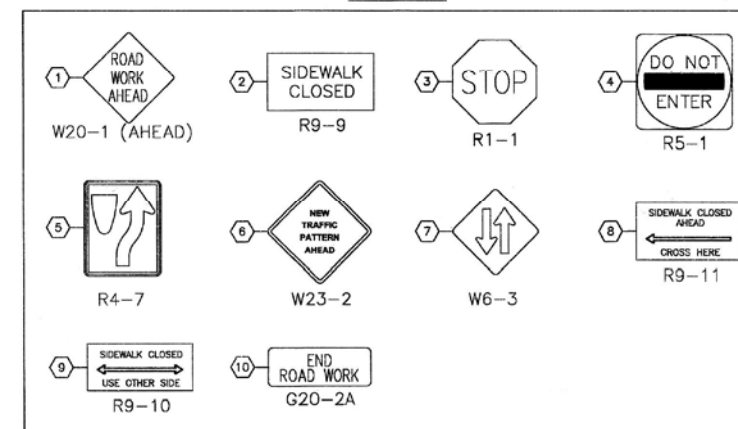


CROSSWALK CLOSURE AND PEDESTRIAN DETOURS



CLOSURE IN THE CENTER OF AN INTERSECTION

LEGEND



NOTES:

1. STOP SIGNS TO BE REMOVED AFTER TRAFFIC LIGHTS ARE FUNCTIONAL.
2. REMAINING SIGNAGE TO REMAIN IN PLACE FOR 2 WEEKS AFTER TWO-WAY TRAFFIC PATTERN IS ESTABLISHED.

S. CHEYENNE AVE.

TRAFFIC CONTROL (14)			
TYPICAL ONE WAY TO TWO WAY CONVERSION			
ARTERIAL STREET REHABILITATION			
PROJECTS 144017aa & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = N/A	DESIGNED	JTB	03/26
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL:	LEAD ENG.		
1" = N/A	FIELD MGR.		
VERTICAL:	RECOMMENDED		
1" = N/A	DESIGN MANAGER		
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ATLAS PAGE NUMBER 1, 4		SHEET 50 OF 72 SHEETS	

NOT TO SCALE

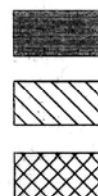
REVISION	BY	DATE



CONSTRUCTED IN PREVIOUS PHASE MILL/OVERLAY RECONSTRUCTION PCC	● DRUM W/TYPE "C" LIGHT —X— MOVEABLE FENCE ▽▽▽ TYPE III BARRICADE ○ SIGN → TRAFFIC DIRECTION	—W— PROPOSED WATERLINE
--	---	-------------------------------

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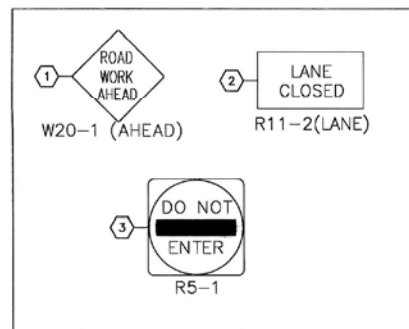
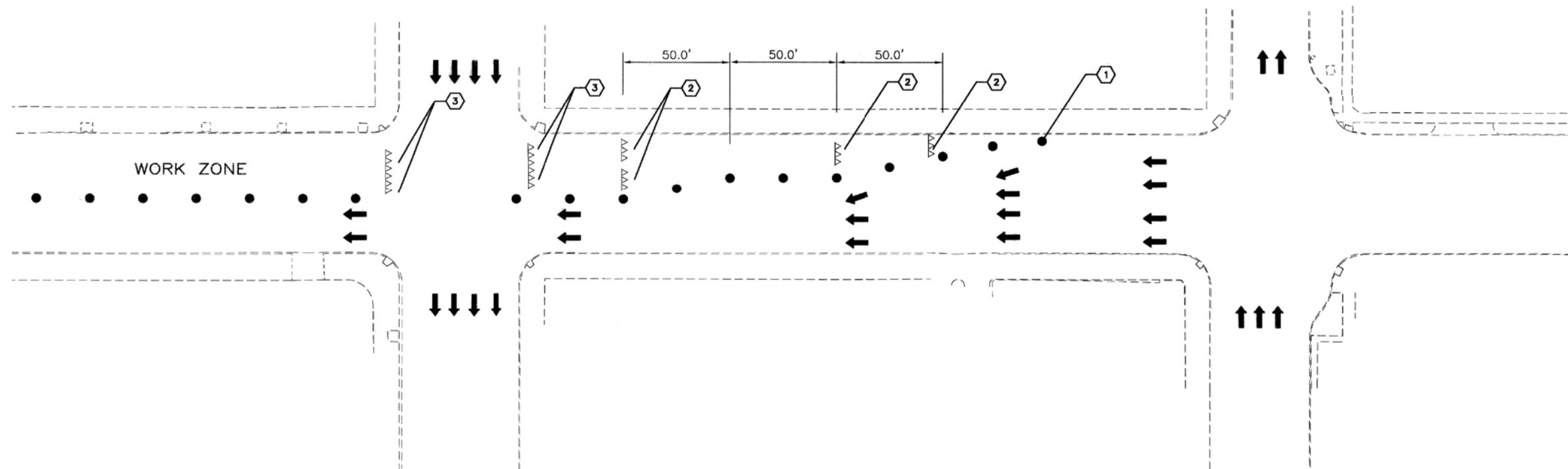
LEGEND



CONSTRUCTED IN PREVIOUS PHASE
MILL/OVERLAY
RECONSTRUCTION PCC

● DRUM W/TYPE "C" LIGHT
—x— MOVEABLE FENCE
▽▽▽ TYPE III BARRICADE
○ SIGN
→ TRAFFIC DIRECTION

—W— PROPOSED WATERLINE



NOTES:

1. ACCESS THROUGH ALL INTERSECTIONS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.
2. ALL STREET PARKING TO BE CLOSED DURING CONSTRUCTION.
3. ACCESS TO PARKING GARAGE DRIVEWAYS SHALL REMAIN OPEN DURING ALL PHASES OF CONSTRUCTION.



NOT TO SCALE

REVISION	BY	DATE

S. CHEYENNE AVE.			
TRAFFIC CONTROL (15)			
TYPICAL LANE CLOSURE			
ARTERIAL STREET REHABILITATION			
PROJECTS 144017aa & 144019 PHASE 7			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS			
PLANS & ESTIMATES PREPARED BY:			
POE & ASSOCIATES, INC.			
4606 S. GARNETT RD., SUITE 600 TULSA, OKLAHOMA 74146-5200			
PLAN SCALE:	DRAWN	JTB	03/26
1" = N/A	DESIGNED	JTB	03/26
	SURVEY		
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL:	LEAD ENG.		
1" = N/A	FIELD MGR.		
	RECOMMENDED		
1" = N/A	DESIGN MANAGER		
FILE: H\303867	DRAWING: 303867T003B	DATE: 3/6/2026	
ATLAS PAGE NUMBER 1, 4			

11+00
POLE "H"
STA. 10+71.8, 33.7' LT.

POLE "G"
STA. 10+59.3, 43.9' LT.

11th STREET

Ø2 SB

CHEYENNE AVE.

POLE "I"
STA. 10+42.8, 42.3' RT.

POLE "B"
STA. 10+16.8, 60.0' RT.

POLE "F"
STA. 9+99.9, 48.8' LT.

POLE "E"
STA. 9+84.6, 39.2' LT.

POLE "D"
STA. 9+49.2, 26.6' RT.

POLE "C"
STA. 9+52.6, 34.9' RT.

REMOVE EXISTING PEDESTAL
SIGNALS AND ABANDONED
PULL BOXES.

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER AND TYPE	MOUNTING	VISOR	BACKPLATE
1,2,3,4,5,6,7,8,9	9 - ONEWAY #36	SLIP FIT	V-1	--
10,11,12,13,14,15,16,17	8 - ONEWAY #33	CLAMP	--	--

TABLE #2 MAST ARMS & POLES

LOCATION	MOUNTING HT.	MAST ARMS LENGTHS	FOUNDATION
B.I	10'	2 - PEDESTAL POLE	F-1
C.D	10'	2 - PEDESTAL POLE	F-1
E.F	10'	2 - PEDESTAL POLE	F-1
G.H	10'	2 - PEDESTAL POLE	F-1

TABLE #3 ELECTRICAL CABLE

ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

B.I	- 16#14/ #12 THHN GREEN/ #6 THHN GREEN
C.D	- 16#14/ #12 THHN GREEN/ #6 THHN GREEN
E.F	- 16#14/ #12 THHN GREEN/ #6 THHN GREEN
G.H	- 16#14/ #12 THHN GREEN/ #6 THHN GREEN

JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27

03/06/2026
DATE

Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman OK 73069
Ph: 405-720-7721, Web: www.tecusa.com



LEGEND

- 1 1/2" ELECT. CONDUIT
- 2" ELECT. CONDUIT
- 3" ELECT. CONDUIT
- EXISTING CONDUIT
- SIZE II PULL BOX (UNLESS OTHERWISE NOTED)
- EXISTING PULL BOX
- SERVICE POLE
- CONTROLLER
- PEDESTRIAN PUSH BUTTON
- WALK AND DON'T WALK
- SIGNAL HEAD WITH BACKPLATE
- LUMINAIRE WITH MAST ARM
- OPTICAL DETECTOR
- VIDEO DETECTION
- STREET NAME SIGN
- MAST ARM WITH POLE SIGNAL HEAD NO.
- MAST ARM & POLE WITH ABOVE SYMBOLS
- DETECTOR LOOP/ VIDEO DETECTION AREA

0 10' 20'



PROJECT NO. 144017-AO Phase 7

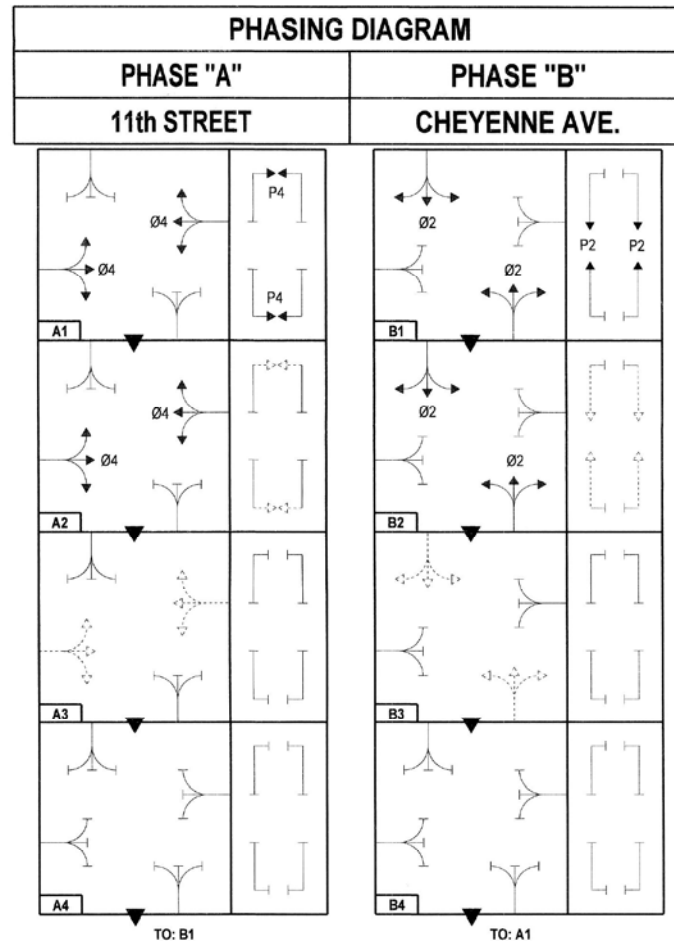
SIGNAL PLAN
W 11th ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY: TEC TRAFFIC ENGINEERING CONSULTANTS
801 S. 4TH AVE., STE 100
TULSA, OK 74103
PHONE: 918.481.8888 FAX: 918.481.3985

REVISION	BY	DATE	PLAN SCALE:	DRAWN	CAL	04/10/26	APPROVED:
			1" =	DESIGNED	JOS	04/10/26	
				SURVEY			
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			HORIZONTAL:	LEAD ENGR.	05/16		
			VERTICAL:	FIELD MGR.	05/16		
			FILE:	DESIGN MANAGER	05/16		
			ATLAS PAGE NO:	DRAWING			

CITY ENGINEER
DATE: 8/10/2026
SHEET 11 OF 121 SHEETS



PRO. = PROTECTIVE
PER. = PERMISSIVE
— = GREEN
- - - = YELLOW
- - - = RED

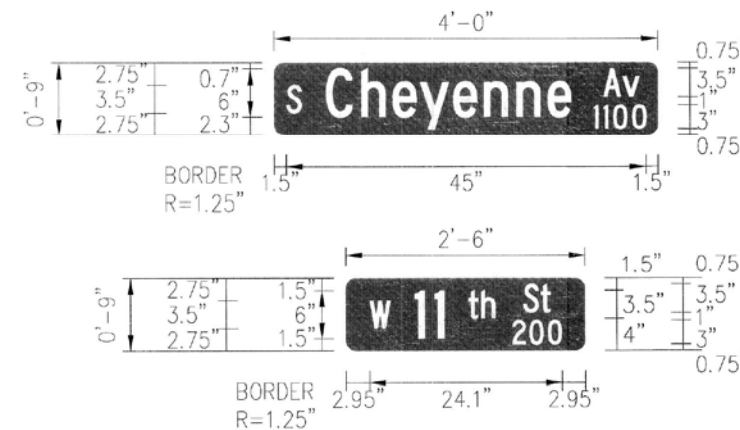
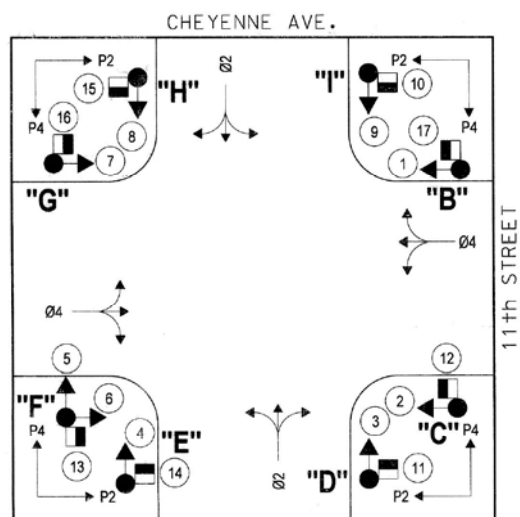
SEQUENCE CHART									
DIRECTION	BLOCK NO.	PHASE							
		Ø4	Ø2	Ø4	Ø2	P2	P4	P2	P4
		1,2	3,4,5	6,7	8,9	10,11	12,13	14,15	16,17
Ø4, P4 ROW	A1	G	R	G	R	DW	W	DW	W
Ø4 ROW & P4 CL	A2	G	R	G	R	DW	FDW	DW	FDW
Ø4 CL	A3	Y	R	Y	R	DW	DW	DW	DW
ALL RED	A4	R	R	R	R	DW	DW	DW	DW
Ø2, P2 ROW	B1	R	G	R	G	W	DW	W	DW
Ø2 ROW & P2 CL	B2	R	G	R	G	FDW	DW	FDW	DW
Ø2 CL	B3	R	Y	R	Y	DW	DW	DW	DW
ALL RED	B4	R	R	R	R	DW	DW	DW	DW
FLASHING OPERATION		FR	FR	FR	FR	-	-	-	-

SUMMARY OF MAST ARM MOUNTED SIGNS							
MESSAGE	BLOCK NO.	POLE LOCATION	NO. OF SIGN	LENGTH	HEIGHT	SQ. FT. SIGN AREA	TOTAL AREA SQ. FT.
W 11th St	200	D.G	2	30"	9"	1.875	3.75
S Cheyenne Av	1100	D.G	2	48"	9"	3.00	6.00
TOTAL							9.75

PRIMARY DIRECTION = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER / NAME = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER SUFFIX = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
SECONDARY DIRECTION = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
STREET TYPE = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
BLOCK NUMBER = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)

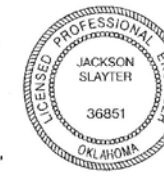
SHEETING = DIAMOND GRADE VIP (WHITE)
OVERLAY = ELECTRONIC CUTTABLE OVERLAY FILM (GREEN)

**INTERSECTION
PHASING & SIGNAL HEAD NO.'S**



J Jackson Slayter
JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27

03/06/2026
DATE
Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman OK 73069
Ph: 405-720-7721, Web: www.tecusa.com



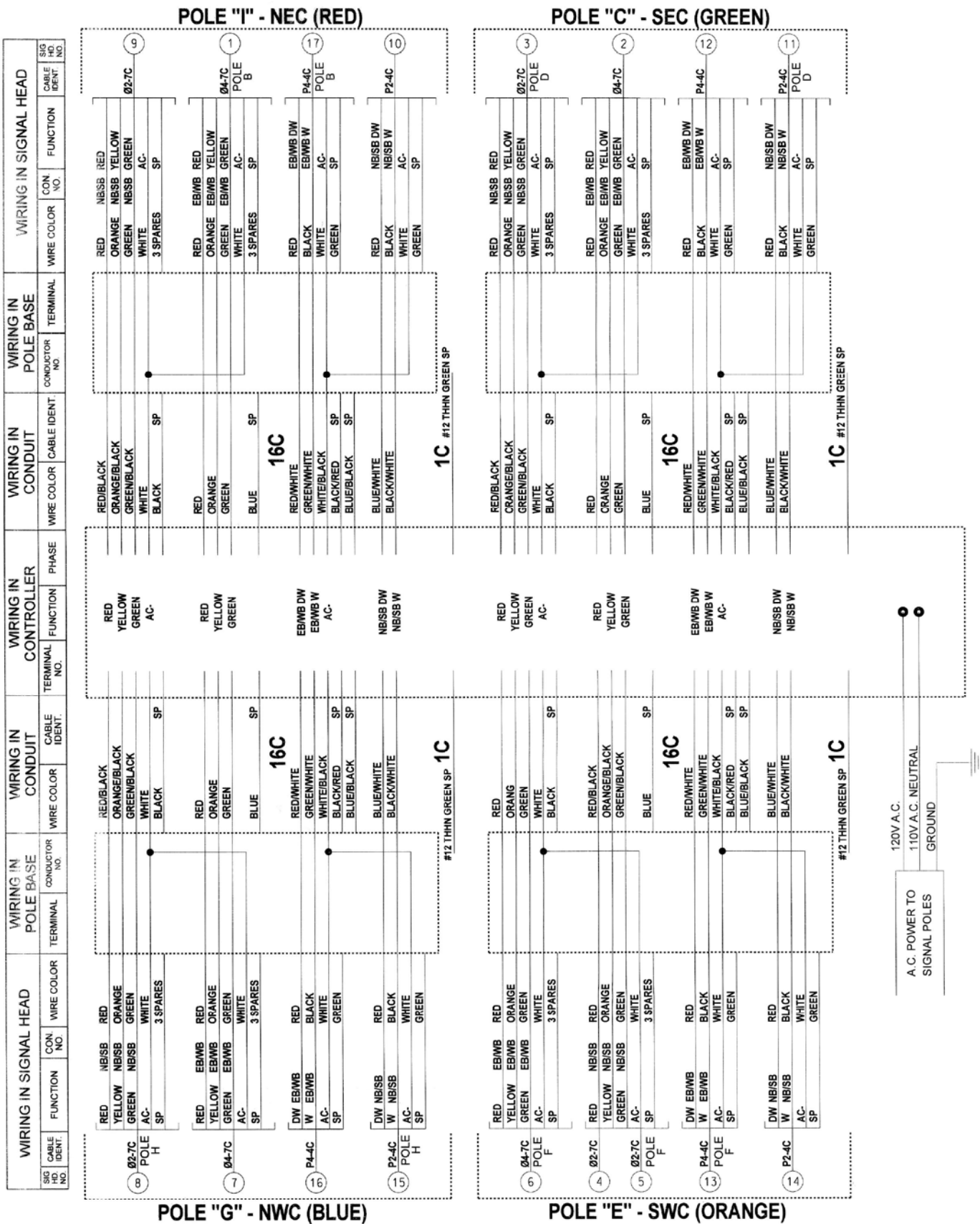
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				LEAD ENGR.			
			HORIZONTAL:	FIELD MGR.			
				RECOMMENDED			
			VERTICAL:	DESIGN MANAGER			
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			FILE:	DRAWING:			
			ATLAS PAGE NO:				

PROJECT NO. 144017-AO Phase 7
SIGNAL DETAIL PLAN
W 11th ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES
PREPARED BY: **TEC**
TRAFFIC ENGINEERING CONSULTANTS
801 S. BATHURST AVE., STE 100
TULSA, OK 74103
PHONE: 918-481-8484 FAX: 918-481-2163

DATE: 04/10/26
SHEET 12 OF 121 SHEETS



NOTE:
IF JUMPERS OR OTHER CONNECTIONS ARE MADE IN THE FIELD DURING
INSTALLATION, AND ARE ACCEPTED BY THE ENGINEER THIS SHOULD BE
SHOWN ON THE WIRING DIAGRAM FOR FUTURE REFERENCE.

J. Slayter
JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27

03/06/2026
DATE

Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman, OK 73069,
Ph: 405-720-7724, Web: www.tecusa.com

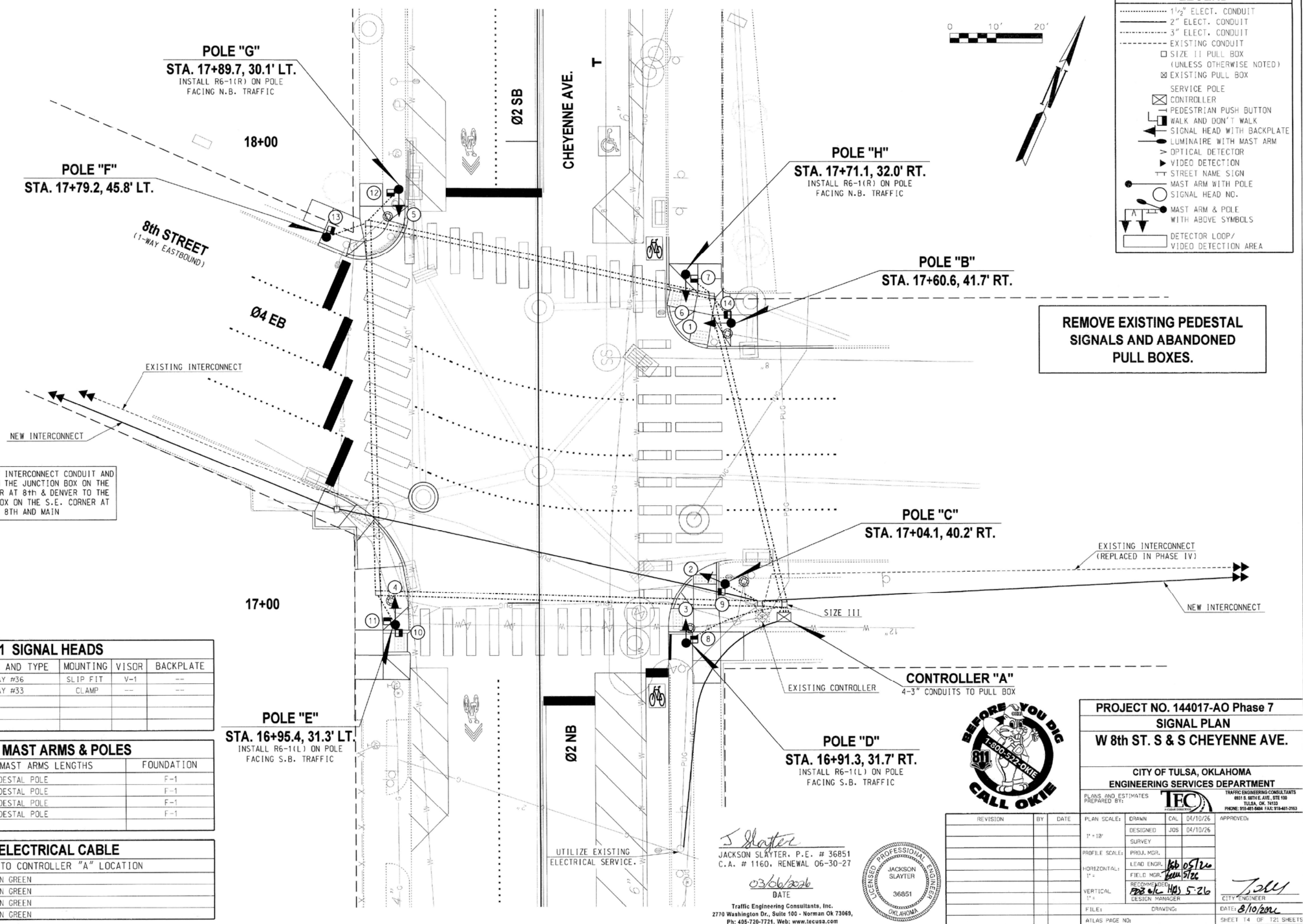


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			PROFILE SCALE:	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.	<i>Has 5-26</i>		
			1" =	FIELD MGR.	<i>Has 5-26</i>		
			VERTICAL:	RECOMMENDED			
			1" =	DESIGN MANAGER	<i>Has 5-26</i>		
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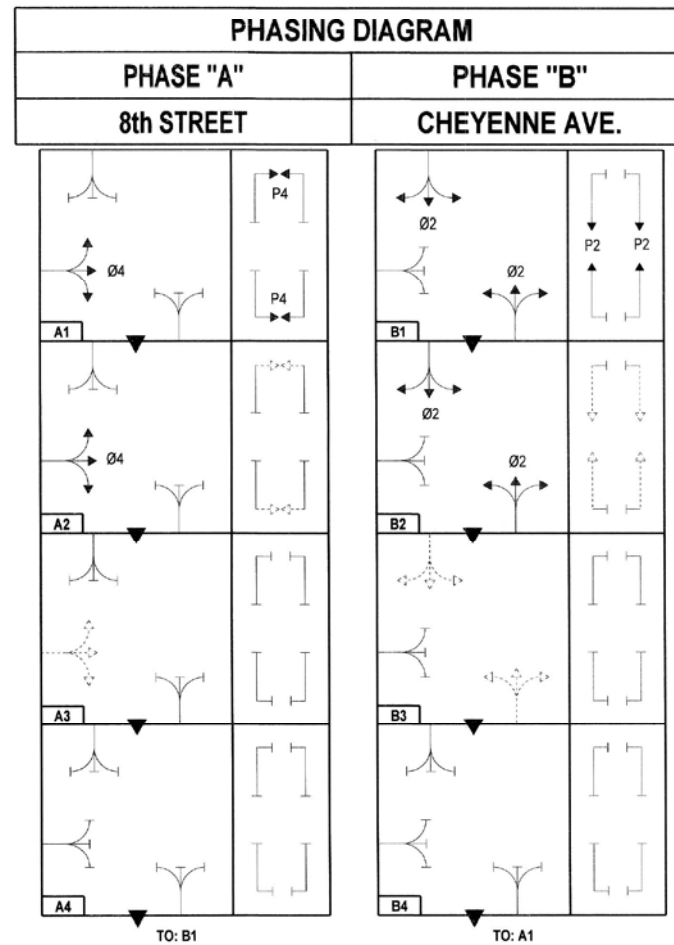
PROJECT NO. 144017-AO Phase 7
SIGNAL WIRING DIAGRAM
W 11th ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES
PREPARED BY: **TEC**
TRAFFIC ENGINEERING CONSULTANTS
8031 S. 60TH E. AVE., STE 100
TULSA, OK 74133
PHONE: 918-481-5084 FAX: 918-481-3163



04/10/26 G:\04Projects\02 Tulsa Office Projects\0-680 Downtown Core Streets Rehab\CAD\Phase 7-Cheyenne I-Way to 2-Way\15-8th DET.dgn



PRO. = PROTECTIVE
PER. = PERMISSIVE
→ = GREEN
→ = YELLOW
→ = RED

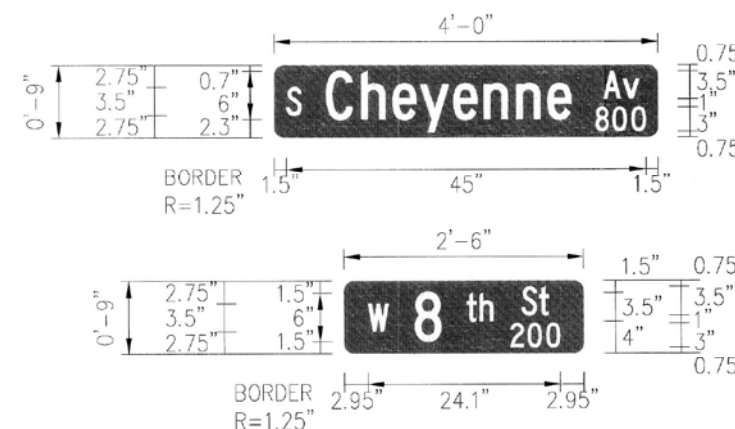
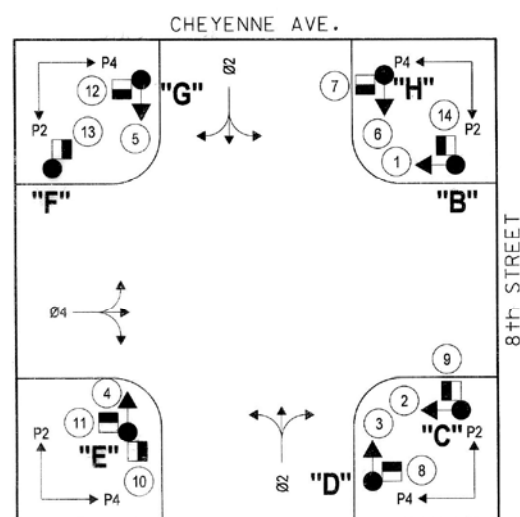
DIRECTION	BLOCK NO.	PHASE							
		Ø4	Ø2	Ø2	P2	P4	P2	P4	
		SIGNAL HEAD NO.							
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Ø4,P4 ROW	A1	G	R	R	DW	W	DW	W	
Ø4 ROW & P4 CL	A2	G	R	R	DW	FDW	DW	FDW	
Ø4 CL	A3	Y	R	R	DW	DW	DW	DW	
ALL RED	A4	R	R	R	DW	DW	DW	DW	
Ø2,P2 ROW	B1	R	G	G	W	DW	W	DW	
Ø2 ROW & P2 CL	B2	R	G	G	FDW	DW	FDW	DW	
Ø2 CL	B3	R	Y	Y	DW	DW	DW	DW	
ALL RED	B4	R	R	R	DW	DW	DW	DW	
FLASHING OPERATION		FR	FR	FR	-	-	-	-	

SUMMARY OF MAST ARM MOUNTED SIGNS								
MESSAGE	BLOCK NO.	POLE LOCATION	NO. OF SIGN	LENGTH	HEIGHT	SQ. FT. SIGN AREA	TOTAL AREA SQ. FT.	
W 8th St	200	C.F.	2	30"	9"	1.875	3.75	
S Cheyenne Av	800	C.F.	2	48"	9"	3.00	6.00	
R6-1(R)	NA	G.H.	2	36"	12"	3.00	6.00	
R6-1(L)	NA	D.E.	2	36"	12"	3.00	6.00	
TOTAL							21.75	

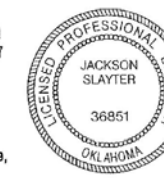
PRIMARY DIRECTION = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER / NAME = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER SUFFIX = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
SECONDARY DIRECTION = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
STREET TYPE = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
BLOCK NUMBER = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)

SHEETING = DIAMOND GRADE VIP (WHITE)
OVERLAY = ELECTRONIC CUTTABLE OVERLAY FILM (GREEN)

INTERSECTION PHASING & SIGNAL HEAD NO.'S



J. Slayter
JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27
03/06/2026
DATE
Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman OK 73069,
Ph: 405-720-7721, Web: www.tecusa.com



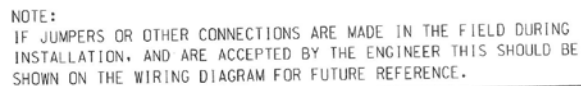
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			PROFILE SCALE:	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.	150 05/16		
			1" = NA	FIELD MGR.	700 5/26		
			VERTICAL:	RECOMMENDED	700 5/26		
			1" = NA	DESIGN MANAGER	HAS 5-26		
			FILE:	DRAWING:			
			ATLAS PAGE NO:				

PROJECT NO. 144017-AO Phase 7
SIGNAL DETAIL PLAN
W 8th ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES
PREPARED BY: **TEC**
TRAFFIC ENGINEERING CONSULTANTS
4301 S. BETHLEHEM AVE., STE 100
TULSA, OK 74133
PHONE: 918-481-8184 FAX: 918-481-3163

Toll
CITY ENGINEER
DATE: 8/10/2026
SHEET 15 OF 121 SHEETS



PROJECT NO. 144017-AO Phase 7
SIGNAL WIRING DIAGRAM
W 8th ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

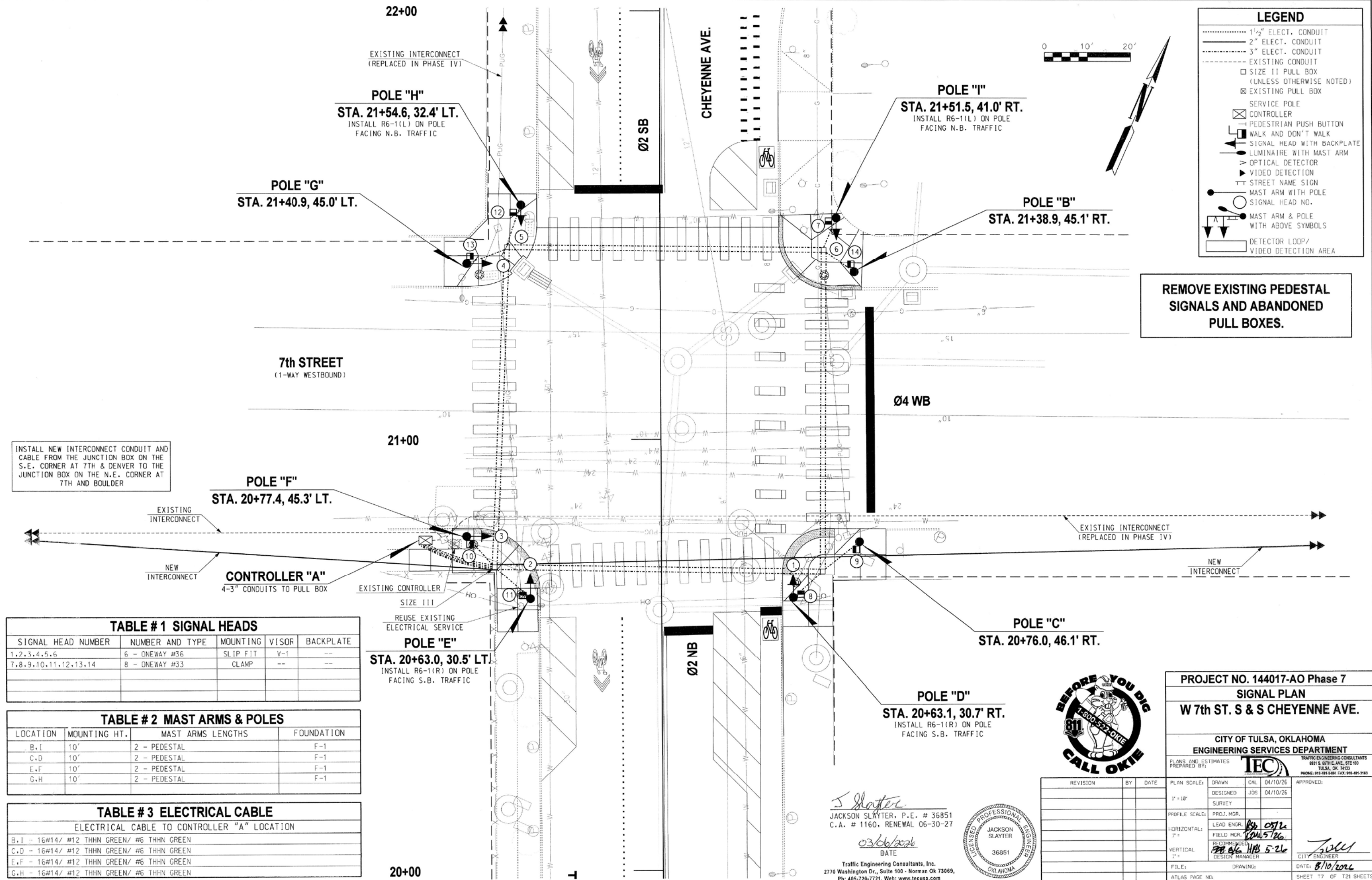
PLANS AND ESTIMATES
PREPARED BY:

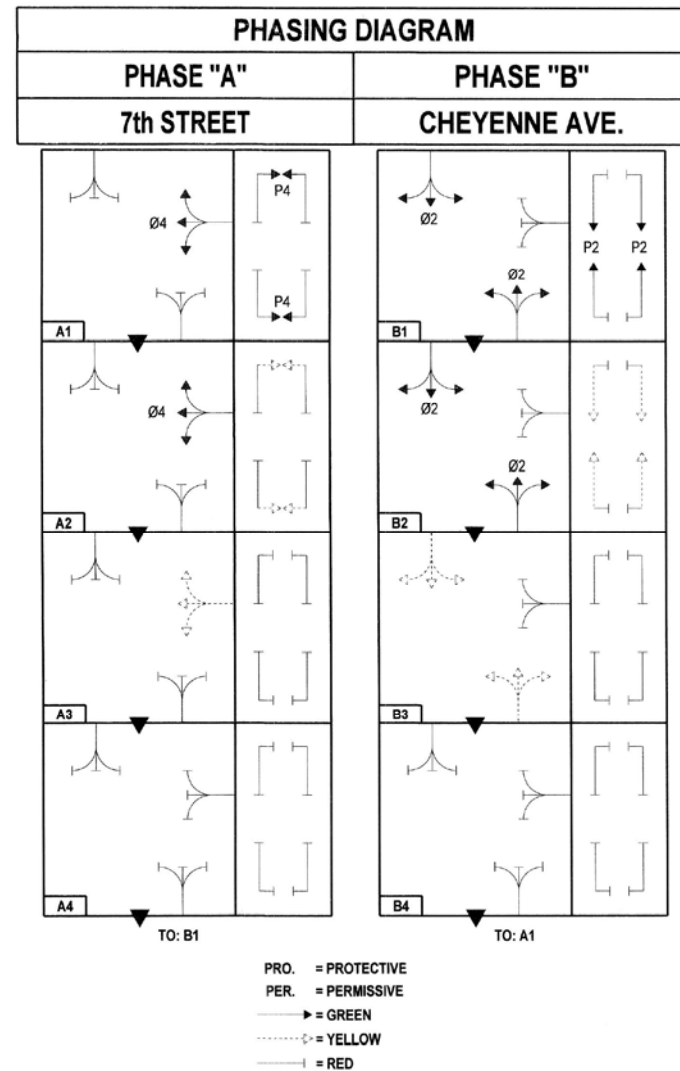
TEC

TRAFFIC ENGINEERING CONSULTANTS
6831 S. 68TH E. AVE., STE. 100
TULSA, OK. 74133
PHONE: 918-481-8484 FAX: 918-481-8485

TRAFFIC ENGINEERING CONSULTANTS
6831 S. 66TH E. AVE., STE 100
TULSA, OK. 74133
PHONE: 918-481-8484 FAX: 918-481-3162

04/10/26 G:\Projects\02 Tulsa Office Projects\TC-680 Downtown Core Streets Interchange\Phase 7-Cheyenne Hwy to 2-Way\17-7th Station





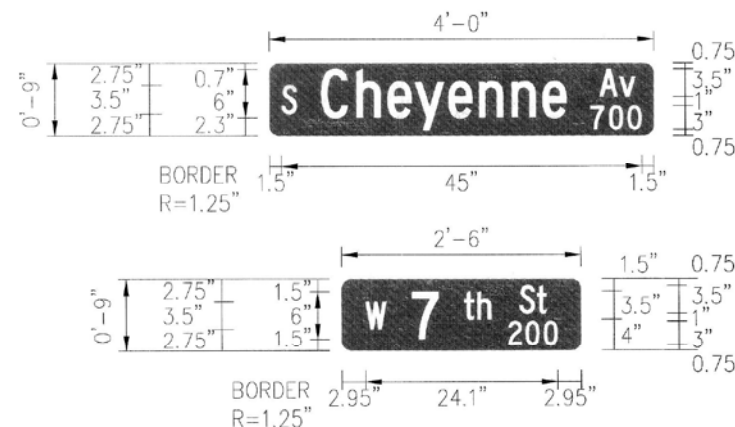
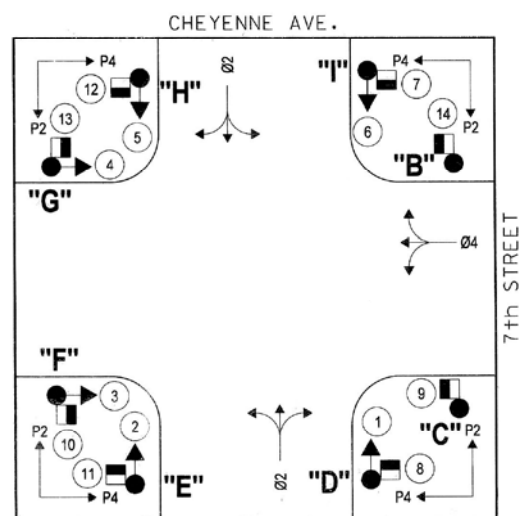
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		SIGNAL HEAD NO.							
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Ø4,P4 ROW	A1	R	G	R	DW	W	DW	W	
Ø4 ROW & P4 CL	A2	R	G	R	DW	FDW	DW	FDW	
Ø4 CL	A3	R	Y	R	DW	DW	DW	DW	
ALL RED	A4	R	R	R	DW	DW	DW	DW	
Ø2,P2 ROW	B1	G	R	G	W	DW	W	DW	
Ø2 ROW & P2 CL	B2	G	R	G	FDW	DW	FDW	DW	
Ø2 CL	B3	Y	R	Y	DW	DW	DW	DW	
ALL RED	B4	R	R	R	DW	DW	DW	DW	
FLASHING OPERATION		FR	FR	FR	--	--	--	--	

SUMMARY OF MAST ARM MOUNTED SIGNS							
MESSAGE	BLOCK NO.	POLE LOCATION	NO. OF SIGN	LENGTH	HEIGHT	SQ. FT. SIGN AREA	TOTAL AREA SQ. FT.
W 7th St	200	C.G	2	30"	9"	1.875	3.75
S Cheyenne Av	700	C.G	2	48"	9"	3.00	6.00
R6-1(R)	NA	D.E	2	36"	12"	3.00	6.00
R6-1(L)	NA	H.I	2	36"	12"	3.00	6.00
TOTAL							21.75

PRIMARY DIRECTION = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER / NAME = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER SUFFIX = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
SECONDARY DIRECTION = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
STREET TYPE = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
BLOCK NUMBER = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)

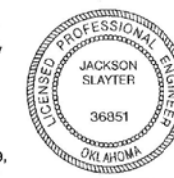
SHEETING = DIAMOND GRADE VIP (WHITE)
OVERLAY = ELECTRONIC CUTTABLE OVERLAY FILM (GREEN)

INTERSECTION PHASING & SIGNAL HEAD NO.'S



Jackson Slayter, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27

03/06/2026
DATE
Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman OK 73069,
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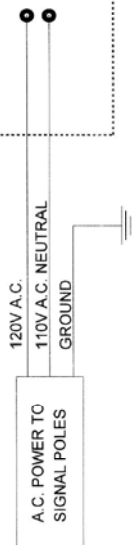
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				LEAD ENGR.			
			HORIZONTAL:	FIELD MGR.			
			1" = NA				
			VERTICAL:	RECOMMENDED			
			1" = NA	DESIGN MANAGER			
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			ATLAS PAGE NO:				

PROJECT NO. 144017-AO Phase 7
SIGNAL DETAIL PLAN
W 7th ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES
PREPARED BY: TEC
TRAFFIC ENGINEERING CONSULTANTS
6321 S. 96TH E. AVE., STE 100
TULSA, OK 74133
PHONE: 918-461-8004 FAX: 918-461-3183

DATE: 8/10/2016
SHEET 78 OF 121 SHEETS



J. Slayter
JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27
03/06/2026
DATE
Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman Ok 73069
Ph: 405-720-7721, Web: www.tecusa.com



PROJECT NO. 144017-AO Phase 7			
SIGNAL WIRING DIAGRAM			
W 7th ST. S & S CHEYENNE AVE.			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
		TRAFFIC ENGINEERING CONSULTANTS 6931 S. 60TH E. AVE., STE 100 TULSA, OK. 74133 PHONE: 510-431-9404 FAX: 918-481-2163	

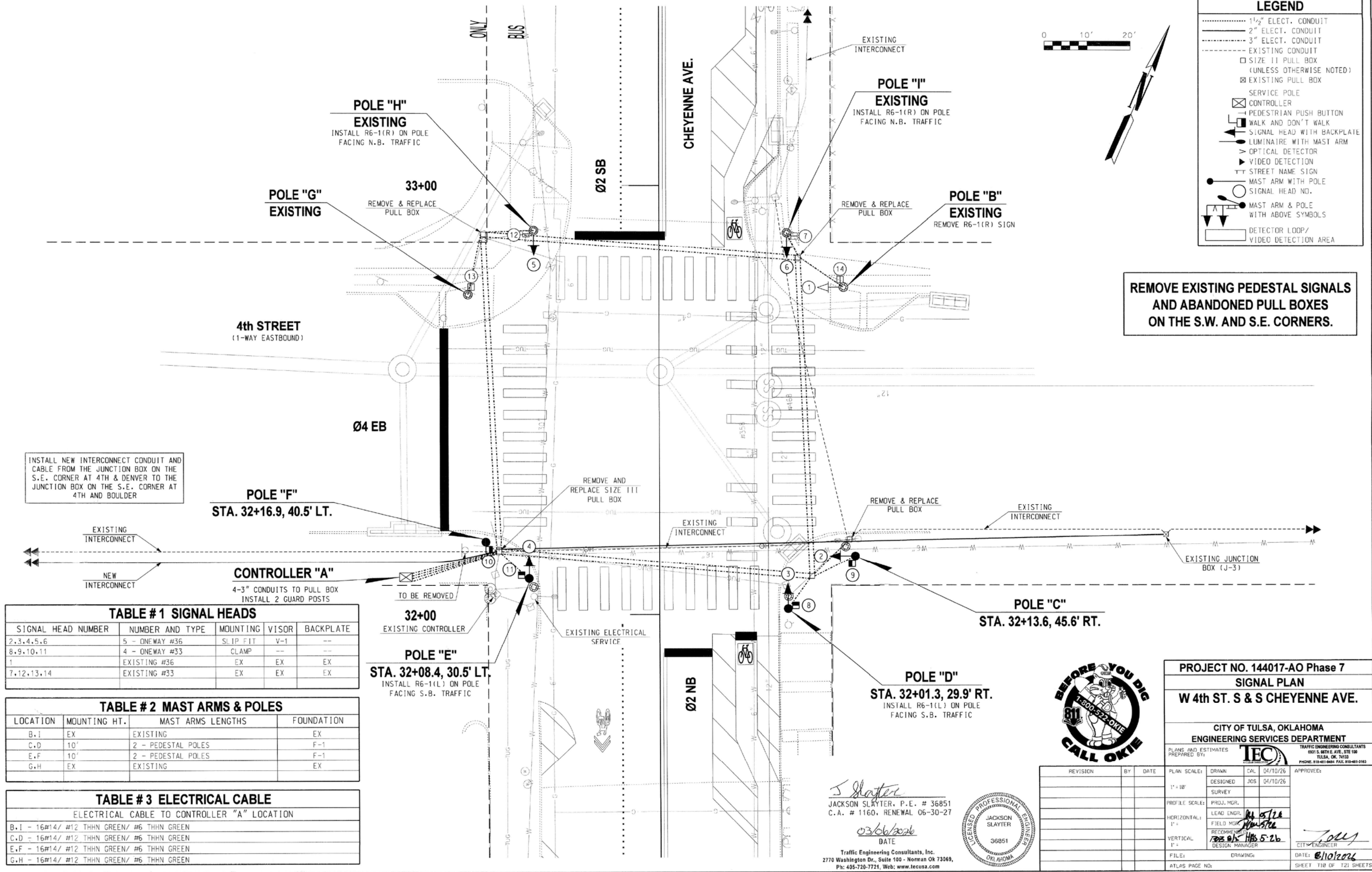
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			HORIZONTAL:	LEAD ENGR.		
			1" =	FIELD MGR.		
			VERTICAL			
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DATE: 8/10/2026

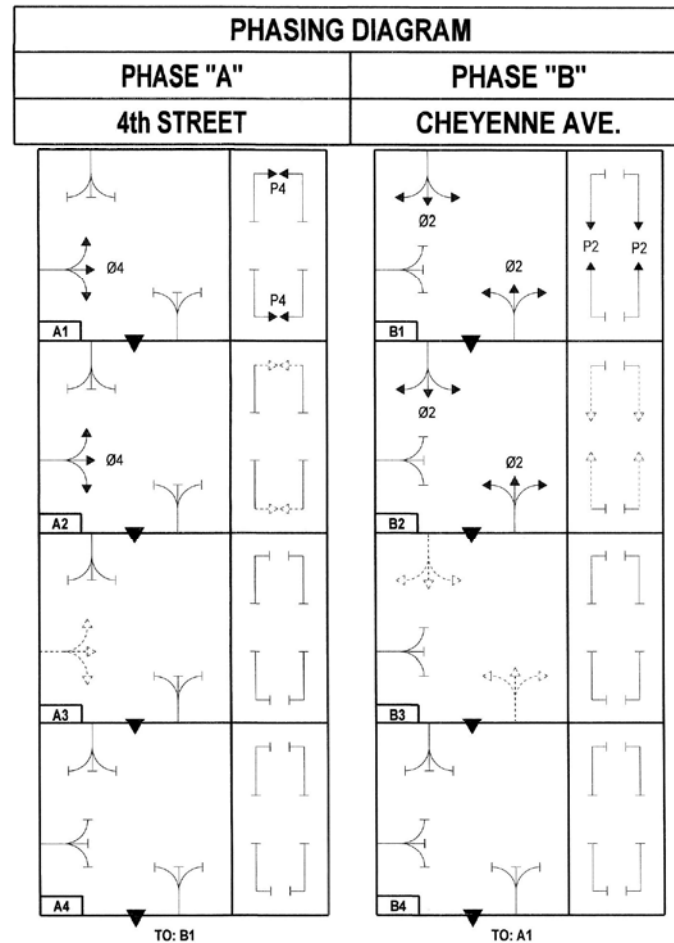
SHEET 19 OF 21 SHEETS

[Signature]

CITY ENGINEER



04/10/26 G:\08Projects\02 Tulsa Office Projects\10-680 Downtown Core Streets Rehab\CAD\Phase 7-Cheyenne 1-Way to 2-Way\11-4th DET.dgn



PRO. = PROTECTIVE
PER. = PERMISSIVE
→ = GREEN
→ = YELLOW
→ = RED

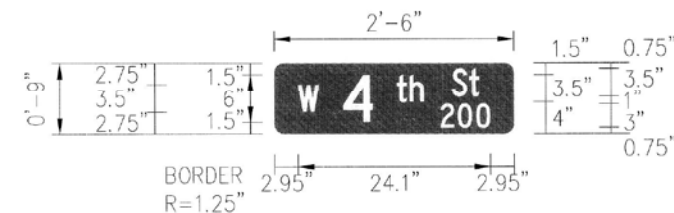
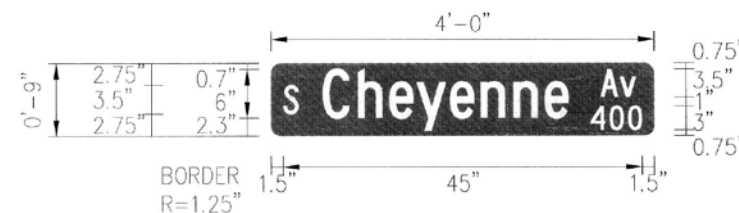
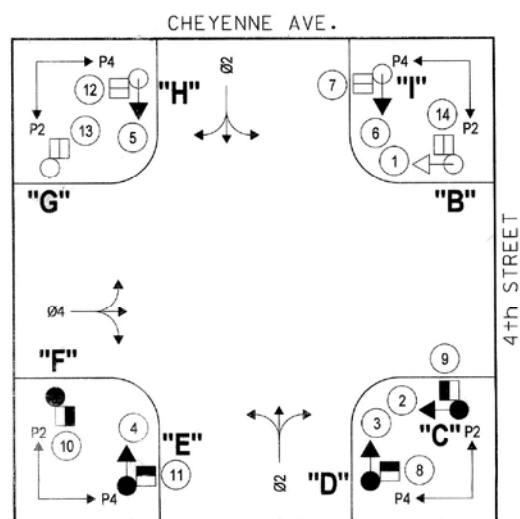
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DIRECTION	BLOCK NO.	PHASE							
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		SIGNAL HEAD NO.							
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Ø4,P4 ROW	A1	G	R	R	DW	W	DW	W	
Ø4 ROW & P4 CL	A2	G	R	R	DW	FDW	DW	FDW	
Ø4 CL	A3	Y	R	R	DW	DW	DW	DW	
ALL RED	A4	R	R	R	DW	DW	DW	DW	
Ø2,P2 ROW	B1	R	G	G	W	DW	W	DW	
Ø2 ROW & P2 CL	B2	R	G	G	FDW	DW	FDW	DW	
Ø2 CL	B3	R	Y	Y	DW	DW	DW	DW	
ALL RED	B4	R	R	R	DW	DW	DW	DW	
FLASHING OPERATION		FR	FR	FR	--	--	--	--	

SUMMARY OF MAST ARM MOUNTED SIGNS								
MESSAGE	BLOCK NO.	POLE LOCATION	NO. OF SIGN	LENGTH	HEIGHT	SQ. FT. SIGN AREA	TOTAL AREA SQ. FT.	
W 4th St	200	C.G.	2	30"	9"	1.875	3.75	
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TOTAL							21.75	

PRIMARY DIRECTION = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER / NAME = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER SUFFIX = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
SECONDARY DIRECTION = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
STREET TYPE = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
BLOCK NUMBER = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)

SHEETING = DIAMOND GRADE VIP (WHITE)
OVERLAY = ELECTRONIC CUTTABLE OVERLAY FILM (GREEN)

INTERSECTION PHASING & SIGNAL HEAD NO.'S

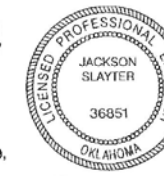


Jackson Slayter, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27

03/06/2026

DATE

Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman OK 73069,
Ph: 405-720-7721, Web: www.tecusa.com



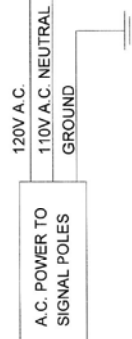
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			HORIZONTAL:	LEAD ENGR.			
			1" = NA	FIELD MGR.			
			VERTICAL:	RECOMMENDED			
			1" = NA	DESIGN MANAGER			
			FILE:	DRAWING:			
			ATLAS PAGE NO:				

PROJECT NO. 144017-AO Phase 7
SIGNAL DETAIL PLAN
W 4th ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES
PREPARED BY: **TEC**
TRAFFIC ENGINEERING CONSULTANTS
8931 S. 60TH E. AVE., STE 100
TULSA, OK 74133
PHONE: 918-481-0404 FAX: 918-481-2193

APPROVED: *[Signature]*
DATE: **8/10/2026**
SHEET **T11** OF **T21** SHEETS

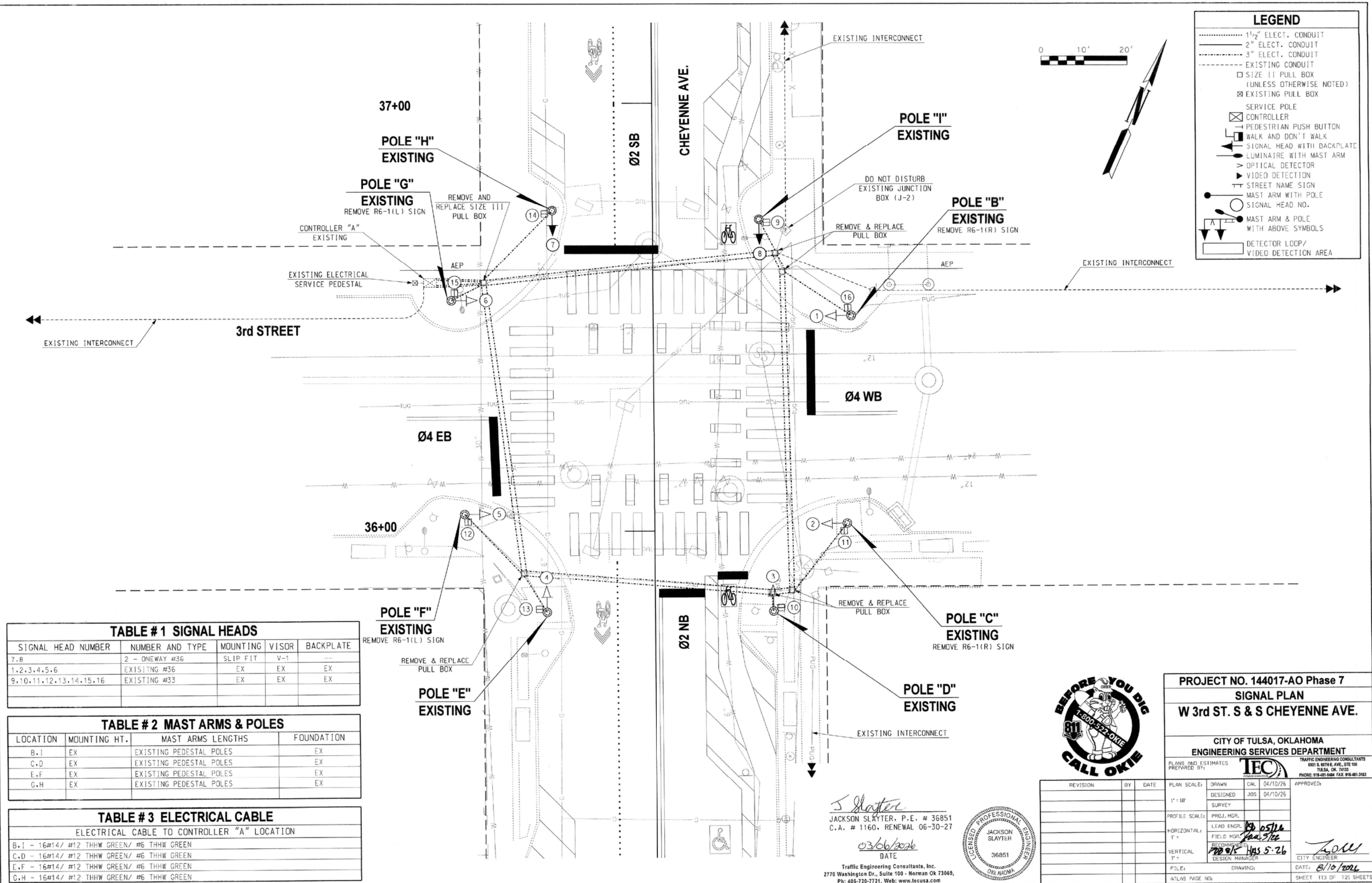


J. Slayter
JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27
03/06/2026
DATE
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Ph: 405-720-7721, Web: www.tecusa.com



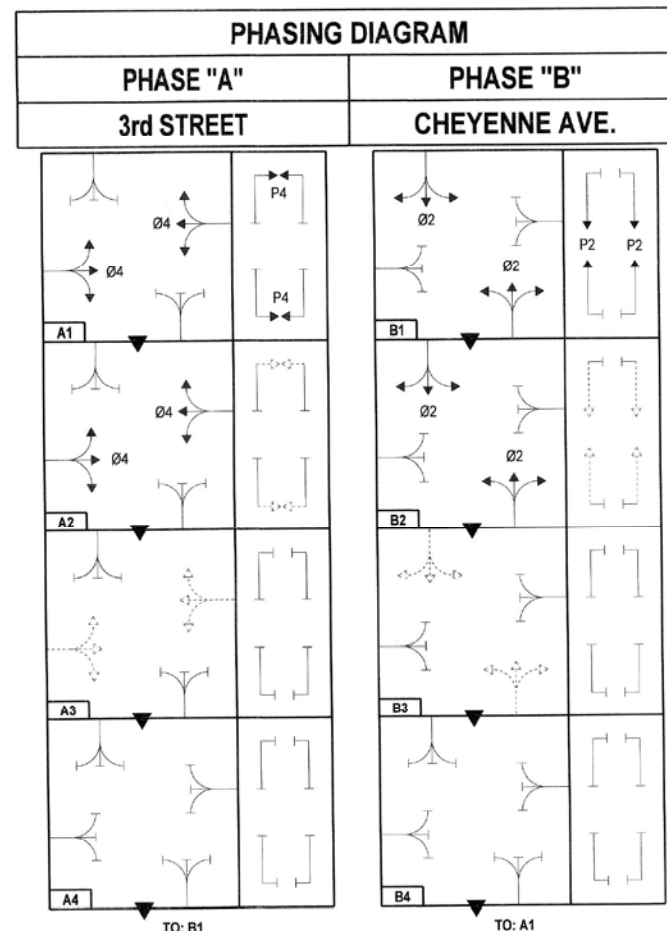
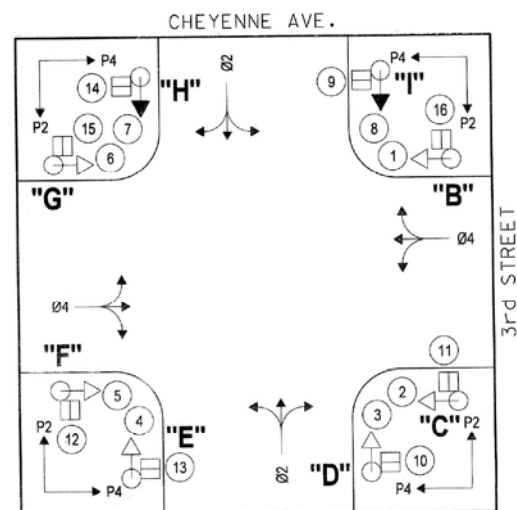
REVISION	BY	DATE	PLAN SCALE:	DRAWN	CAL	04/10/26	APPROVED:
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PROJECT NO. 144017-AO Phase 7	
SIGNAL WIRING DIAGRAM	
W 4th ST. S & S CHEYENNE AVE.	
CITY OF TULSA, OKLAHOMA	
ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	 TRAFFIC ENGINEERING CONSULTANTS 6301 S. 66TH E. AVE., STE 100 TULSA, OK 74133 PHONE: 918-461-5084 FAX: 918-461-3183



04/10/26 G:\0Projects\02 Tulsa Office Projects\10-680 Downtown Core Streets Rehab\CAD\Phase 7-Cheyenne 1 Way to 2-Way\14-3rd DE1.dgn

INTERSECTION PHASING & SIGNAL HEAD NO.'S



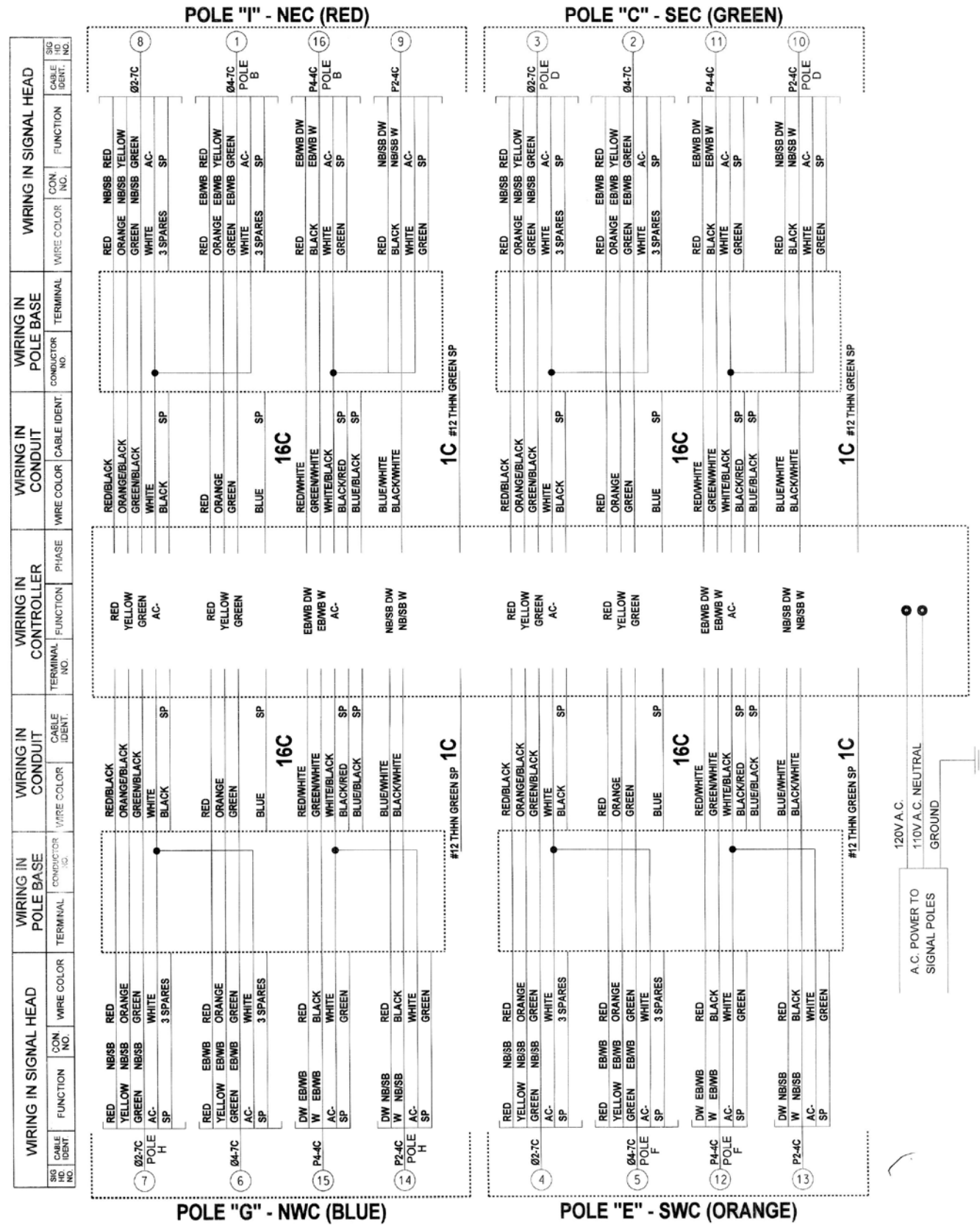
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DIRECTION	BLOCK NO.	PHASE								SIGNAL HEAD NO.
		Ø4	Ø2	Ø4	Ø2	P2	P4	P2	P4	
		1,2	3,4	5,6	7,8	9,10	11,12	13,14	15,16	
Ø4,P4 ROW	A1	G	R	G	R	DW	W	DW	W	
Ø4 ROW & P4 CL	A2	G	R	G	R	DW	FDW	DW	FDW	
Ø4 CL	A3	Y	R	Y	R	DW	DW	DW	DW	
ALL RED	A4	R	R	R	R	DW	DW	DW	DW	
Ø2,P2 ROW	B1	R	G	R	G	W	DW	W	DW	
Ø2 ROW & P2 CL	B2	R	G	R	G	FDW	DW	FDW	DW	
Ø2 CL	B3	R	Y	R	Y	DW	DW	DW	DW	
ALL RED	B4	R	R	R	R	DW	DW	DW	DW	
FLASHING OPERATION		FR	FR	FR	FR	--	--	--	--	

J. Slattery
JACKSON SLATTERY, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27
03/06/2026
DATE
Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman OK 73069,
Ph: 405-720-7721, Web: www.tecusa.com



REVISION	BY	DATE	PLAN SCALE:	DRAWN	CAL	DATE	APPROVED:
			1" = NA	DESIGNED	JOS	04/10/26	
				SURVEY			
			PROFILE SCALE:	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.	<i>1/8 05/26</i>		
			1" = NA	FIELD MGR.	<i>1/8 05/26</i>		
			VERTICAL:	RECOMMENDED	<i>1/8 05/26</i>		
			1" = NA	DESIGN MANAGER	<i>1/8 05/26</i>		
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PROJECT NO. 144017-AO Phase 7
SIGNAL DETAIL PLAN
W 3rd ST. S & S CHEYENNE AVE.
CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT
PLANS AND ESTIMATES PREPARED BY: TEC
TRAFFIC ENGINEERING CONSULTANTS 6801 S. 68TH AVE. STE 100 TULSA, OK 74132 PHONE: 918-481-3400 FAX: 918-481-3163
APPROVED:
<i>[Signature]</i> CITY ENGINEER
DATE: 6/10/2026
SHEET T14 OF T21 SHEETS



NOTE:
IF JUMPERS OR OTHER CONNECTIONS ARE MADE IN THE FIELD DURING
INSTALLATION, AND ARE ACCEPTED BY THE ENGINEER THIS SHOULD BE
SHOWN ON THE WIRING DIAGRAM FOR FUTURE REFERENCE.

JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27
DATE 03/06/2026
Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman OK 73069,
Ph: 405-728-7721, Web: www.tecusa.com



REVISION	BY	DATE	PLAN SCALE:	DRAWN	CAL	04/10/26	APPROVED:
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				SURVEY			
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			1" =	FIELD MGR.	04/05/26		
			VERTICAL:	RECOMMENDED	04/05/26		
			1" =	DESIGN MANAGER	04/05/26		
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PROJECT NO. 144017-AO Phase 7
SIGNAL WIRING DIAGRAM
W 3rd ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES
PREPARED BY:

TRAFFIC ENGINEERING CONSULTANTS
6001 S. BATH AVE., STE 100
TULSA, OK 74119
PHONE: 918-481-8484 FAX: 918-481-3183

LEGEND

- 1 1/2" ELECT. CONDUIT
- 2" ELECT. CONDUIT
- 3" ELECT. CONDUIT
- EXISTING CONDUIT
- SIZE II PULL BOX (UNLESS OTHERWISE NOTED)
- EXISTING PULL BOX
- SERVICE POLE
- CONTROLLER
- PEDESTRIAN PUSH BUTTON
- WALK AND DON'T WALK
- SIGNAL HEAD WITH BACKPLATE
- LUMINAIRE WITH MAST ARM
- OPTICAL DETECTOR
- VIDEO DETECTION
- STREET NAME SIGN
- MAST ARM WITH POLE SIGNAL HEAD NO.
- MAST ARM & POLE WITH ABOVE SYMBOLS
- DETECTOR LOOP/ VIDEO DETECTION AREA

0 10' 20'



INTERCONNECT CONDUIT SHOWN ON 1st & CHEYENNE SHEET

RELOCATE PAY TO PARK ON OTHER SIDE OF LIGHT POLE

POLE "I"

STA. 40+47.4, 32.4' RT.
INSTALL R6-1(R) ON POLE FACING N.B. TRAFFIC

POLE "B"

STA. 40+36.9, 43.7' RT.

POLE "H"
STA. 40+50.8, 29.7' LT.
INSTALL R6-1(R) ON POLE FACING N.B. TRAFFIC

POLE "G"
STA. 40+40.3, 46.0' LT.

NEW INTERCONNECT
EXISTING INTERCONNECT

INSTALL NEW CONDUIT AND CABLE TO THE CONTROLLER ON N.E. CORNER OF 2nd & DENVER

2nd STREET
(1-WAY EASTBOUND)

REMOVE EXISTING PEDESTAL SIGNALS AND ABANDONED PULL BOXES.

INSTALL NEW CONDUIT AND CABLE TO THE CONTROLLER ON THE N.E. CORNER OF 2nd & DENVER.

EXISTING CONDUIT REPLACE AS NEEDED

EXISTING CONTROLLER

EXISTING JUNCTION BOX (J-1)

REUSE EXISTING ELECTRICAL SERVICE

POLE "C"

STA. 39+75.4, 42.4' RT.

CONTROLLER "A"
4-3" CONDUITS TO PULL BOX

POLE "D"

STA. 39+62.9, 29.9' RT.
INSTALL R6-1(L) ON POLE FACING S.B. TRAFFIC

POLE "E"
STA. 39+66.7, 34.3' LT.
INSTALL R6-1(L) ON POLE FACING S.B. TRAFFIC

Ø2 NB

NEW INTERCONNECT. SIDEWALK IN THIS BLOCK FACE BEING REPLACED BY STREETSCAPE CONTRACTOR.

INSTALL NEW CONDUIT AND CABLE TO JUNCTION BOX (J-2) ON N.E. CORNER OF 3rd & CHEYENNE

TABLE # 1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER AND TYPE	MOUNTING	VISOR	BACKPLATE
1,2,3,4,5,6	6 - ONEWAY #36	SLIP-FIT	V-1	--
7,8,9,10,11,12,13,14	8 - ONEWAY #33	CLAMP	--	--

TABLE # 2 MAST ARMS & POLES

LOCATION	MOUNTING HT.	MAST ARMS LENGTHS	FOUNDATION
B, I	10'	2 - PEDESTAL POLE	F-1
C, D	10'	2 - PEDESTAL POLE	F-1
E, F	10'	2 - PEDESTAL POLE	F-1
G, H	10'	2 - PEDESTAL POLE	F-1

TABLE # 3 ELECTRICAL CABLE

ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

B, I - 16#14/ #12 THHN GREEN/ #6 THHN GREEN
C, D - 16#14/ #12 THHN GREEN/ #6 THHN GREEN
E, F - 16#14/ #12 THHN GREEN/ #6 THHN GREEN
G, H - 16#14/ #12 THHN GREEN/ #6 THHN GREEN

PROJECT NO. 144017-AO Phase 7
SIGNAL PLAN
W 2nd ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY: **TEC**
TRAFFIC ENGINEERING CONSULTANTS
6021 S. 96TH E. AVE., STE 100
TULSA, OK 74133
PHONE: 918-481-8484 FAX: 918-481-3163

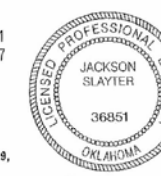


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				SURVEY			
			PROFILE SCALE:	PROJ. MGR.			
				LEAD ENGR.	RB	05/26	
			HORIZONTAL:	FIELD MGR.	RB	5/26	
			1" =	RECOMMENDED	RB	5/26	
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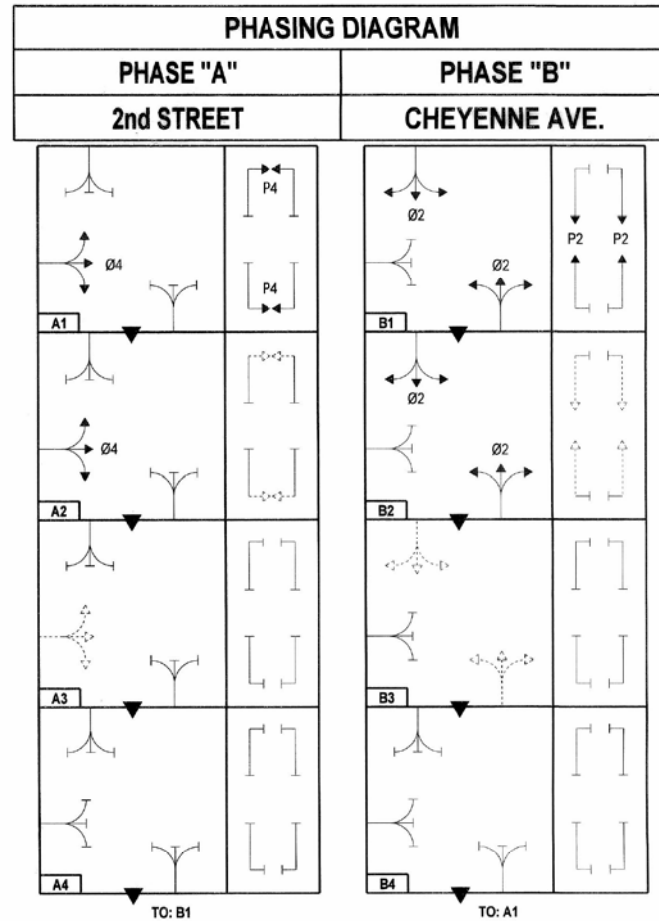
J. Slayter
JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27

03/06/2026
DATE

Traffic Engineering Consultants, Inc.
2770 Washington Dr., Suite 100 - Norman OK 73069,
Ph: 405-726-7721, Web: www.tecusa.com



DATE: 01/10/2026
SHEET 116 OF 121 SHEETS



PRO. = PROTECTIVE
PER. = PERMISSIVE
→ = GREEN
--- = YELLOW
--- = RED

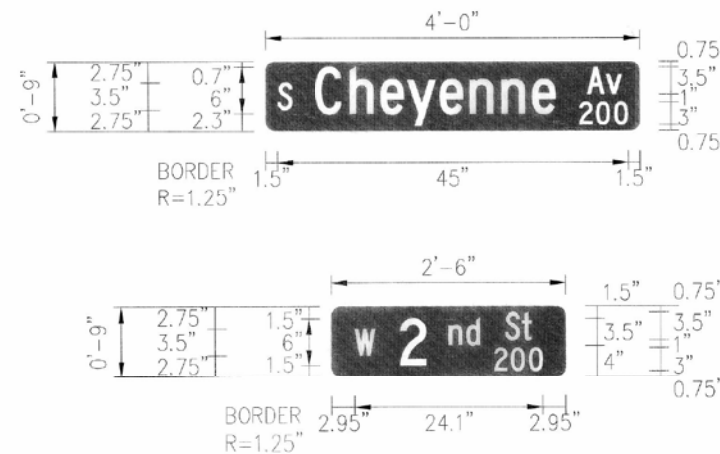
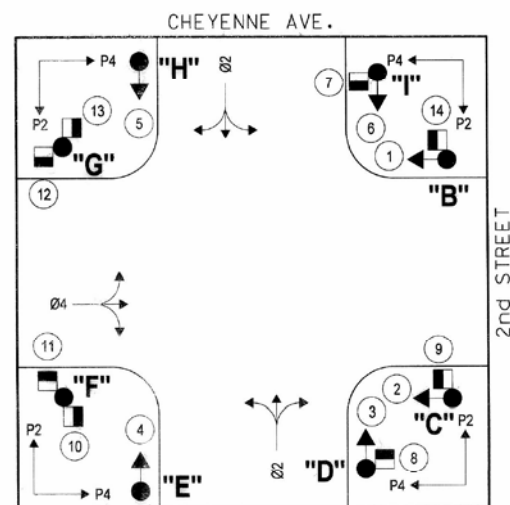
SEQUENCE CHART									
DIRECTION	BLOCK NO.	PHASE							
		Ø4	Ø2	Ø2	P2	P4	P2	P4	
		SIGNAL HEAD NO.							
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Ø4,P4 ROW	A1	G	R	R	DW	W	DW	W	
Ø4 ROW & P4 CL	A2	G	R	R	DW	FDW	DW	FDW	
Ø4 CL	A3	Y	R	R	DW	DW	DW	DW	
ALL RED	A4	R	R	R	DW	DW	DW	DW	
Ø2,P2 ROW	B1	R	G	G	W	DW	W	DW	
Ø2 ROW & P2 CL	B2	R	G	G	FDW	DW	FDW	DW	
Ø2 CL	B3	R	Y	Y	DW	DW	DW	DW	
ALL RED	B4	R	R	R	DW	DW	DW	DW	
FLASHING OPERATION		FR	FR	FR	—	—	—	—	

SUMMARY OF MAST ARM MOUNTED SIGNS								
MESSAGE	BLOCK NO.	POLE LOCATION	NO. OF SIGN	LENGTH	HEIGHT	SQ. FT. SIGN AREA	TOTAL AREA SQ. FT.	
W 2nd St	200	C.G.	2	30"	9"	1.875	3.75	
S Cheyenne Av	200	C.G.	2	48"	9"	3.00	6.00	
R6-1(R)	NA	H.I.	2	36"	12"	3.00	6.00	
R6-1(L)	NA	D.E.	2	36"	12"	3.00	6.00	
TOTAL							21.75	

PRIMARY DIRECTION = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER / NAME = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
NUMBER SUFFIX = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
SECONDARY DIRECTION = 4" SERIES 'C' STANDARD HIGHWAY (WHITE)
STREET TYPE = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)
BLOCK NUMBER = 3" SERIES 'C' STANDARD HIGHWAY (WHITE)

SHEETING = DIAMOND GRADE VIP (WHITE)
OVERLAY = ELECTRONIC CUTTABLE OVERLAY FILM (GREEN)

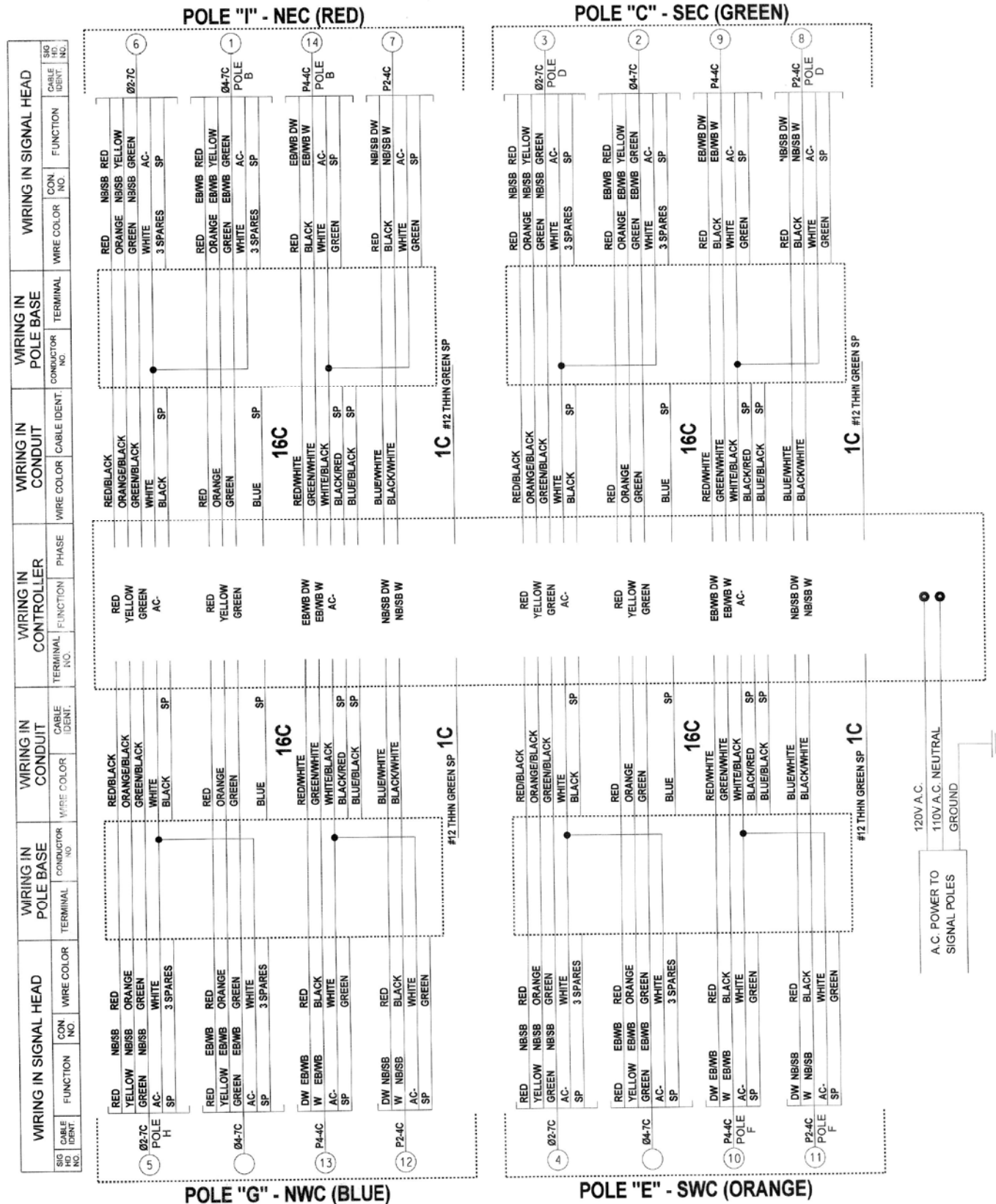
INTERSECTION PHASING & SIGNAL HEAD NO.'S



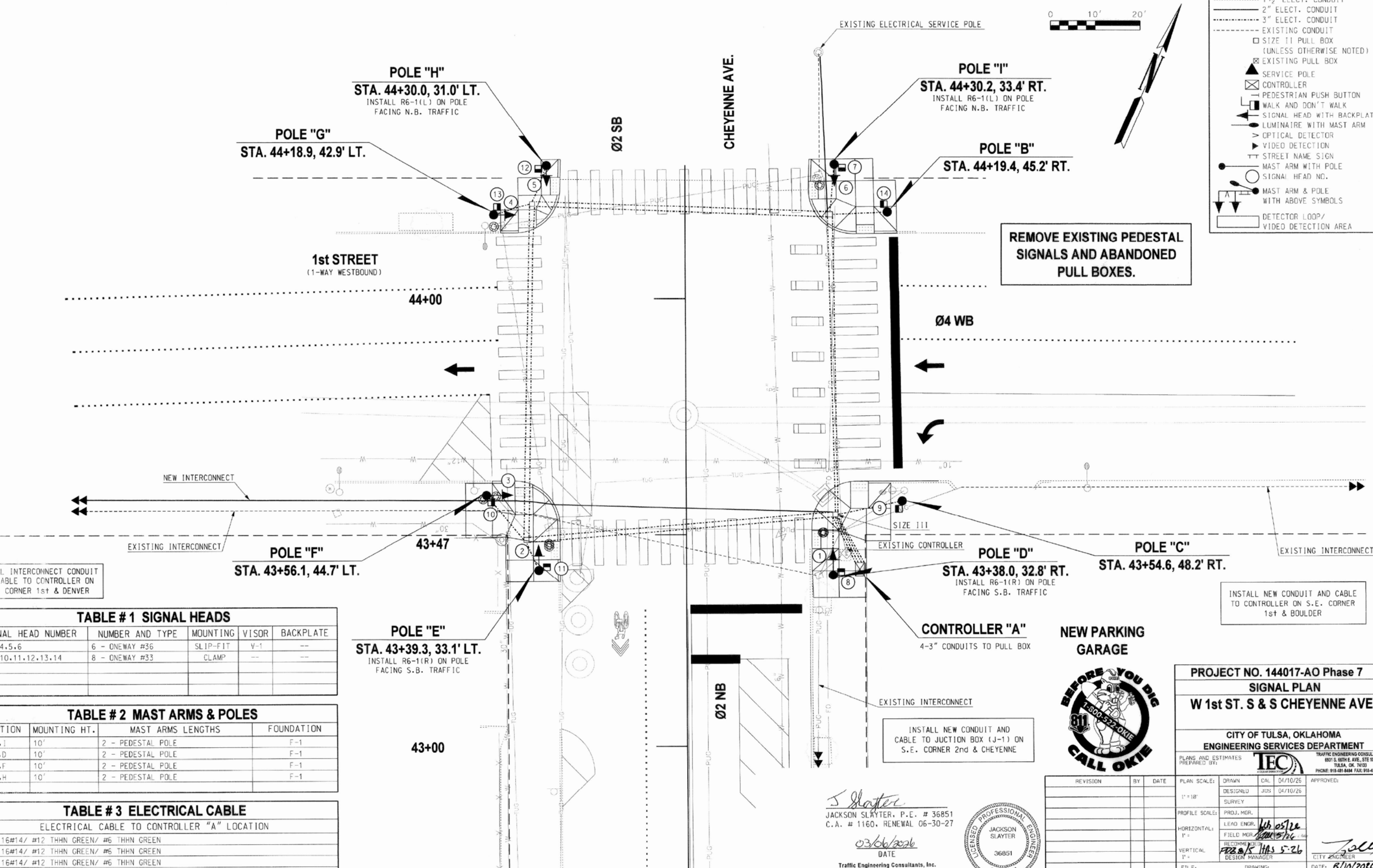
J. Slayter
JACKSON SLAYTER, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27
03/06/2026
DATE
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2770 Washington Dr., Suite 100 - Norman OK 73069
Ph: 405-720-7721, Web: www.tecusa.com



PROJECT NO. 144017-AO Phase 7									
SIGNAL DETAIL PLAN									
W 2nd ST. S & S CHEYENNE AVE.									
CITY OF TULSA, OKLAHOMA									
ENGINEERING SERVICES DEPARTMENT									
PLANS AND ESTIMATES PREPARED BY:				TEC					
DESIGNED:				JOS					
DRAWN:				JOS					
DATE:				04/10/26					
APPROVED:				JOS					
PROJECT MGR.				JOS					
LEAD ENGR.				JOS					
FIELD MGR.				JOS					
RECOMMENDED:				JOS					
DESIGN MANAGER				JOS					
FILE:				DRAWING:					
ATLAS PAGE NO.				DATE: 8/10/2026					
				SHEET 117 OF 121 SHEETS					



04/10/26 C:\Projects\02 Tulsa Office Projects\10-680 Downtown Core Streets Rehab\CD\Phase 7-Cheyenne 1-Way to 2-Way\10-1st St.dgn



LEGEND

- 1 1/2" ELECT. CONDUIT
- 2" ELECT. CONDUIT
- 3" ELECT. CONDUIT
- EXISTING CONDUIT
- SIZE 11 PULL BOX (UNLESS OTHERWISE NOTED)
- EXISTING PULL BOX
- SERVICE POLE
- CONTROLLER
- PEDESTRIAN PUSH BUTTON
- WALK AND DON'T WALK
- SIGNAL HEAD WITH BACKPLATE
- LUMINAIRE WITH MAST ARM
- OPTICAL DETECTOR
- VIDEO DETECTION
- STREET NAME SIGN
- MAST ARM WITH POLE
- SIGNAL HEAD NO.
- MAST ARM & POLE WITH ABOVE SYMBOLS
- DETECTOR LOOP/VIDEO DETECTION AREA

INSTALL INTERCONNECT CONDUIT AND CABLE TO CONTROLLER ON S.E. CORNER 1st & DENVER

REMOVE EXISTING PEDESTAL SIGNALS AND ABANDONED PULL BOXES.

INSTALL NEW CONDUIT AND CABLE TO CONTROLLER ON S.E. CORNER 1st & BOULDER

TABLE # 1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER AND TYPE	MOUNTING	VISOR	BACKPLATE
1,2,3,4,5,6	6 - ONEWAY #36	SLIP-FIT	V-1	--
7,8,9,10,11,12,13,14	8 - ONEWAY #33	CLAMP	--	--

TABLE # 2 MAST ARMS & POLES

LOCATION	MOUNTING HT.	MAST ARMS LENGTHS	FOUNDATION
B,I	10'	2 - PEDESTAL POLE	F-1
C,D	10'	2 - PEDESTAL POLE	F-1
E,F	10'	2 - PEDESTAL POLE	F-1
G,H	10'	2 - PEDESTAL POLE	F-1

TABLE # 3 ELECTRICAL CABLE

ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

B,I	- 16#14/ #12 THHN GREEN/ #6 THHN GREEN
C,D	- 16#14/ #12 THHN GREEN/ #6 THHN GREEN
E,F	- 16#14/ #12 THHN GREEN/ #6 THHN GREEN
G,H	- 16#14/ #12 THHN GREEN/ #6 THHN GREEN

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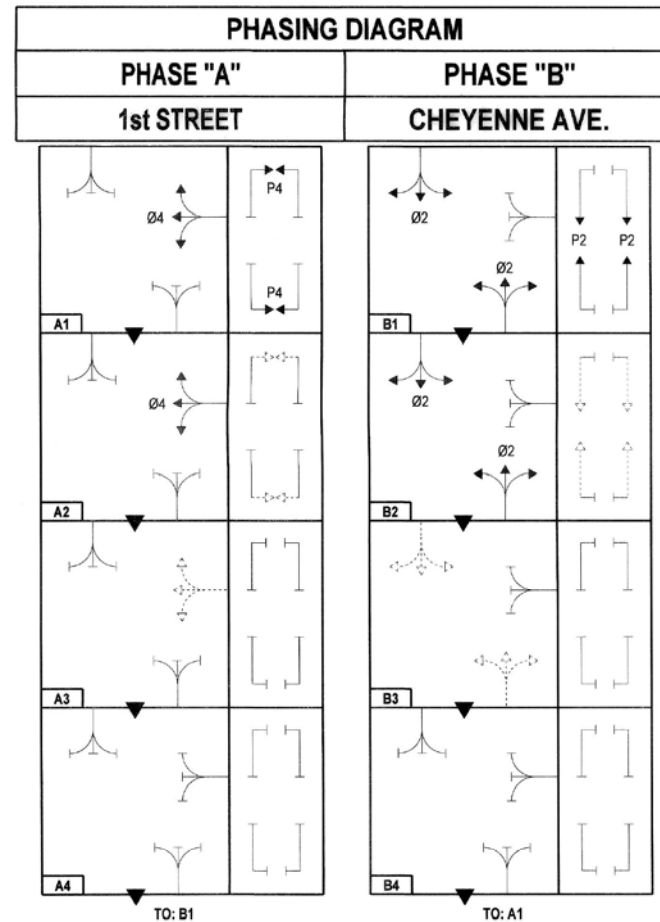


PROJECT NO. 144017-AO Phase 7
SIGNAL PLAN
W 1st ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY: **TEC** TRAFFIC ENGINEERING CONSULTANTS 6901 S. 60TH E. AVE., STE 100 TULSA, OK 74133 PHONE: 918-481-8404 FAX: 918-481-3163

REVISION	BY	DATE	PLAN SCALE: DRAWN CAL 04/10/26	APPROVED:
			1" = 10'	
			DESIGNED JUS 04/10/26	
			SURVEY	
			PROFILE SCALE: PROJ. MGR.	
			LEAD ENGR. JUS	
			FIELD MGR. JUS	
			RECORDS MGR. JUS	
			DESIGN MANAGER JUS 5-26	
			FILE: DRAWING: CITY ENGINEER	
			ATLAS PAGE NO: DATE: 8/10/2026	
				SHEET 119 OF 121 SHEETS



PRO. = PROTECTIVE
PER. = PERMISSIVE
→ = GREEN
→ = YELLOW
→ = RED

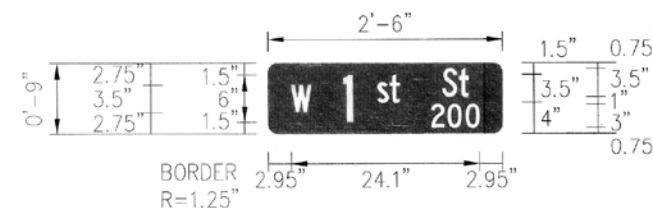
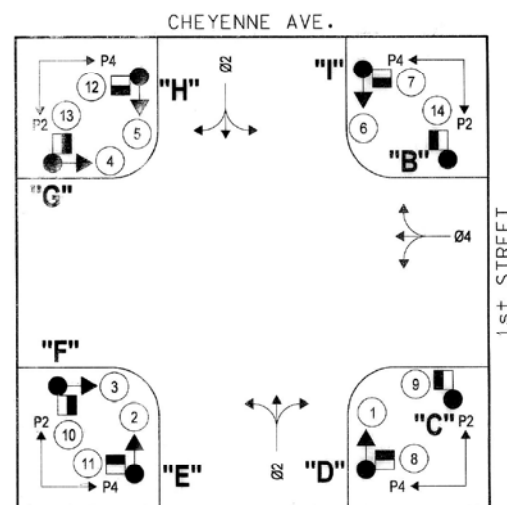
SEQUENCE CHART									
DIRECTION	BLOCK NO.	PHASE							
		Ø2	Ø4	Ø2	P2	P4	P2	P4	
		SIGNAL HEAD NO.							
		1,2	3,4	5,6	7,8	9,10	11,12	13,14	
Ø4,P4 ROW	A1	R	G	R	DW	W	DW	W	
Ø4 ROW & P4 CL	A2	R	G	R	DW	FDW	DW	FDW	
Ø4 CL	A3	R	Y	R	DW	DW	DW	DW	
ALL RED	A4	R	R	R	DW	DW	DW	DW	
Ø2,P2 ROW	B1	G	R	G	W	DW	W	DW	
Ø2 ROW & P2 CL	B2	G	R	G	FDW	DW	FDW	DW	
Ø2 CL	B3	Y	R	Y	DW	DW	DW	DW	
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**INTERSECTION
PHASING & SIGNAL HEAD NO.'S**



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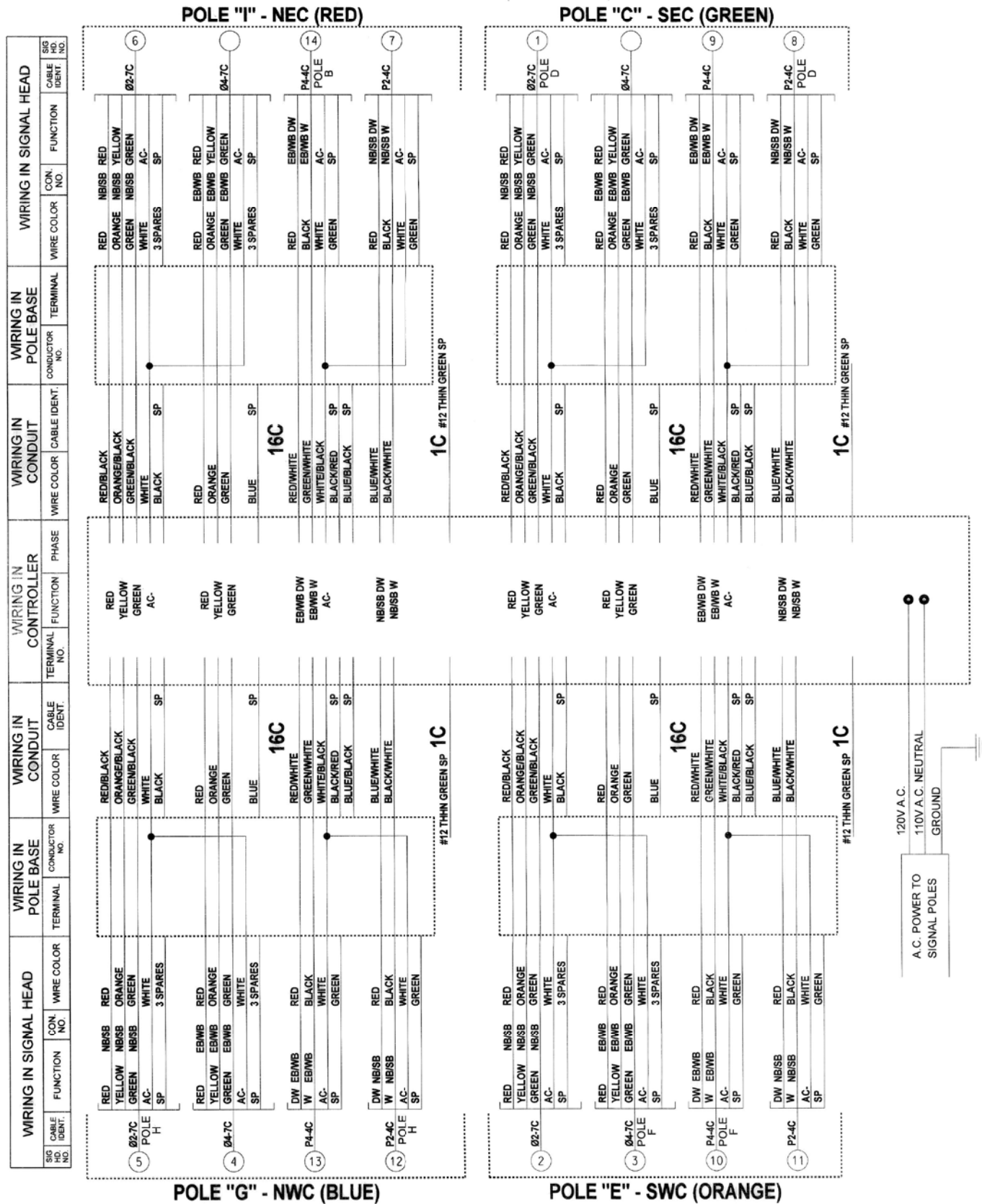
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				PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.	03/05/26		
			1" = NA	FIELD MGR.			
			VERTICAL:	RECOMMENDED	03/05/26		
			1" = NA	DESIGN MANAGER			
			FILE:	DRAWING			
			ATLAS PAGE NO:				

PROJECT NO. 144017-AO Phase 7
SIGNAL DETAIL PLAN
W 1st ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES
PREPARED BY: TEC
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TULSA, OK 74133
PHONE: 918-481-8484 FAX: 918-481-3183

DATE: 03/10/2026
SHEET T20 OF T21 SHEETS



NOTE:
IF JUMPERS OR OTHER CONNECTIONS ARE MADE IN THE FIELD DURING
INSTALLATION, AND ARE ACCEPTED BY THE ENGINEER THIS SHOULD BE
SHOWN ON THE WIRING DIAGRAM FOR FUTURE REFERENCE.

Jackson Slayter, P.E. # 36851
C.A. # 1160, RENEWAL 06-30-27
03/06/2026
DATE
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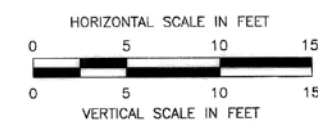
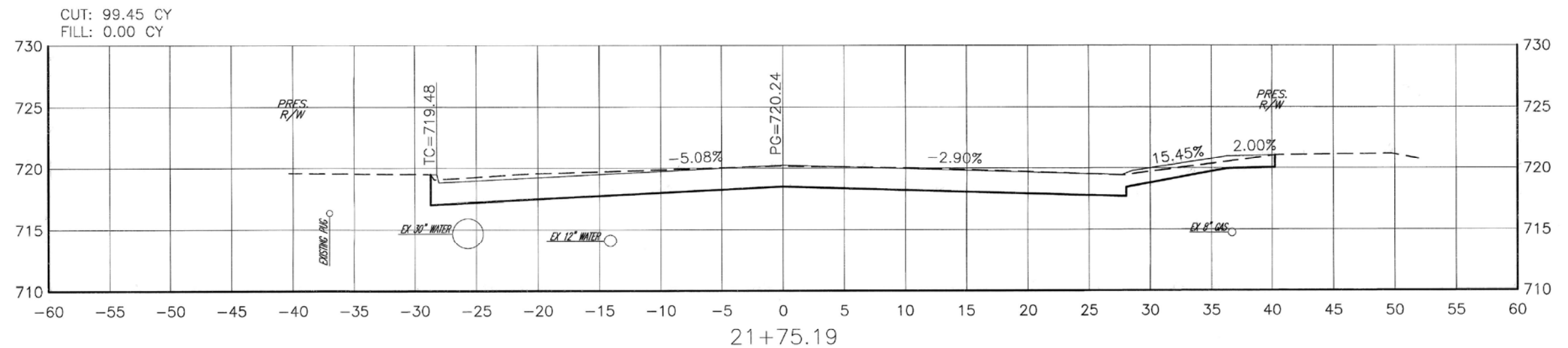
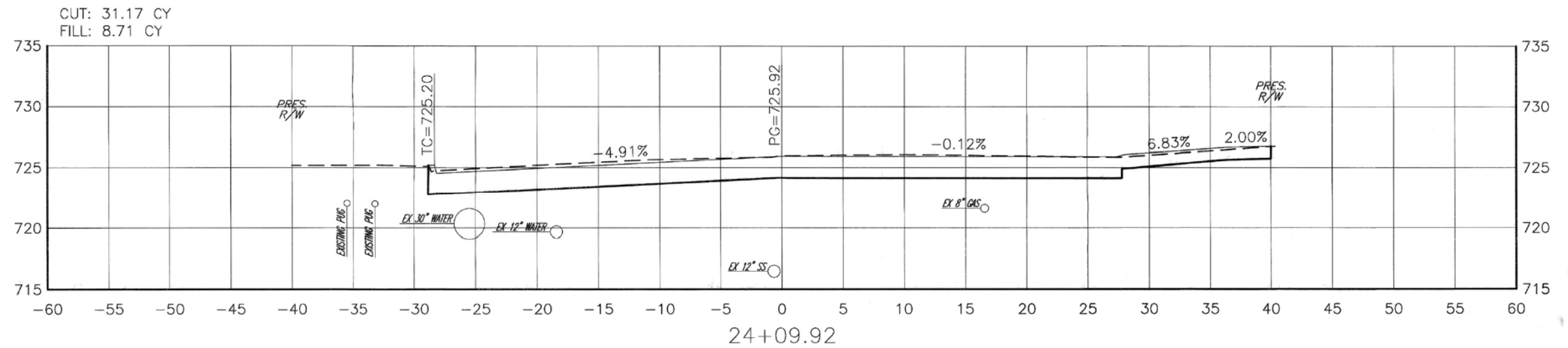
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				SURVEY			
			PROFILE SCALE:	PROJ. MGR.			
				LEAD ENGR.			
			HORIZONTAL:	FIELD MGR.			
			1" = NA	RECOMMENDED			
				DESIGN MANAGER			
			FILE:	DRAWING:			
			ATLAS PAGE NO:				

PROJECT NO. 144017-AO Phase 7
SIGNAL WIRING DIAGRAM
W 1st ST. S & S CHEYENNE AVE.

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES
PREPARED BY: **TEC**

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CROSS SECTIONS

Project No. 144017A0 & 144019 Sheet No. XS 01