CITY OF TULSA, OKLAHOMA
MYLAR PLANS FOR
MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION
PROJECT NO. 2036N2056Z
ACCOUNT NO. 4282.42823122~541106

LEGEND

—CTV—	=	CABLE TELEVISION
—OHE—	=	OVERHEAD ELECTRIC LINE
—GL—	=	GAS LINE
—SS—	=	SANITARY SEWER LINE
—SD—	=	STORM SEWER LINE
— T —	=	OVERHEAD TELEPHONE LINE
—UE—	=	UNDERGROUND ELECTRIC
—UFO—	=	UNDERGROUND FIBER OPTIC
—UGC—	=	UNDERGROUND COMMUNICATIONS
—W—	=	WATER LINE
— X —	=	FENCE
BCLM	=	BRICK COLUMN
BMB	=	BRICK MAIL BOX
BOC	=	BACK OF CURB
BWF	=	BARBED WIRE FENCE
BVCE	=	BEGINNING OF VERTICAL CURVE ELEVATION
BVCS	=	BEGINNING OF VERTICAL CURVE STATION
CMKR	=	COMMUNICATIONS MARKER
CL	=	CENTERLINE
CGMP	=	CORRUGATED METAL PIPE
CLF	=	CHAIN LINK FENCE
CMK	=	COMMUNICATIONS MARKER
CONC	=	CONCRETE
CP	=	CLAY PIPE
CRL	=	CONSTRUCTION REFERENCE LINE
CV	=	COMMUNICATIONS VAULT
DGDI	=	DOUBLE GRATE DROP INLET
DIA	=	DIAMETER
DR	=	DRIVE
DW	=	DRIVEWAY
EL	=	ELEVATION
ELEV	=	ELEVATION
EO	=	ELECTRIC OUTLET
EOP	=	EDGE OF PAVEMENT
EVCE	=	END OF VERTICAL CURVE ELEVATION
EVCS	=	END OF VERTICAL CURVE STATION
EX	=	EXISTING
FG	=	FINISH GRADE
FH	=	FIRE HYDRANT
FL	=	FLOWLINE
FOC	=	FACE OF CURB
FOWS	=	FIBER OPTIC WARNING SIGN
FPST	=	FENCE POST
GMK	=	GAS LINE MARKER
GM	=	GAS METER
GP	=	GUARD POST
GTR	=	GUTTER
GUY	=	GUY ANCHOR
GV	=	GAS VALVE
HGF	=	HOG WIRE FENCE
HDPE	=	HIGH DENSITY POLYETHYLENE PIPE
HDWL	=	HEADWALL
HP	=	HIGH POINT
ICV	=	IRRIGATION CONTROL VALVE
INV	=	INVERT
IRG	=	IRRIGATION
LP	=	LIGHT POLE
LT	=	LEFT
LVC	=	LENGTH OF VERTICAL CURVE
MD	=	MEASURE DOWN
MB	=	MAILBOX
MH	=	MANHOLE
MP	=	METAL POST
OIF	=	ORNAMENTAL IRON FENCE
PL	=	PROPERTY LINE
PLE	=	PARKING LOT LIGHT
PLTR	=	PLANTER
PP	=	POWER POLE
PPD	=	POWER POLE w/DROP
PPDL	=	POWER POLE w/DROP & LIGHT
PPDLT	=	POWER POLE w/DROP, LIGHT & TRANSFORMER
PPL	=	POWER POLE w/LIGHT
PPLT	=	POWER POLE w/LIGHT AND TRANSFORMER
PPT	=	POWER POLE w/TRANSFORMER
PRF	=	PIPE RAIL FENCE
PV	=	PAVING GRADE
PVI	=	POINT OF VERTICAL INTERSECTION
RCB	=	REINFORCED CONCRETE BOX
RCAP	=	REINFORCED CONCRETE ARCH PIPE
RCP	=	REINFORCED CONCRETE PIPE
RJ	=	RESTRAINED JOINT
RP	=	REFLECTOR PADDLE
ROW	=	RIGHT-OF-WAY
RT	=	RIGHT
RTWL	=	RETAINING WALL
SDE	=	DEAD END SIGN
SF	=	SQUARE FOOT
SGDI	=	SINGLE GRATE DROP INLET
SGN	=	SIGN
SL	=	SECTION IINE
SLS	=	SPEED LIMIT SIGN
SSMH	=	SANITARY SEWER MANHOLE
SSLH	=	SANITARY SEWER LAMPHOLE
STA	=	STATION
STHW	=	STORM SEWER HEADWALL
STJB	=	STORM SEWER JUNCTION BOX
STL	=	STEEL
STMH	=	STORM SEWER MANHOLE
STS	=	STREET SIGN
SW	=	SIDEWALK
TC	=	TOP OF CURB GRADE
TCE	=	TEMPORARY CONSTRUCTION EASEMENT
TD/TPED	=	TELEPHONE PEDESTAL
TS	=	TRAFFIC SIGN
TG	=	TOP OF GRATE
TH	=	TOP OF HEADWALL
TMH	=	TELEPHONE MANHOLE
TP	=	TELEPHONE POLE
TPD	=	TELEPHONE POLE w/ DROP
TPL	=	TELEPHONE POLE w/LIGHT
TR	=	TELECOMMUNICATIONS RISER
TSCB	=	TRAFFIC SIGNAL CONTROLLER
TSL	=	TRAFFIC SIGNAL LIGHT POLE
VPC	=	VERTICAL POINT OF CURVE
VPI	=	VERTICAL POINT OF INTERSECTION
VPT	=	VERTICAL POINT OF TANGENT
WF	=	WOOD FENCE
WIF	=	WROUGHT IRON FENCE
WL	=	WATER LINE
WP	=	WOOD POST
WM	=	WATER METER
WV	=	WATER VALVE
WVLT	=	WATER VAULT

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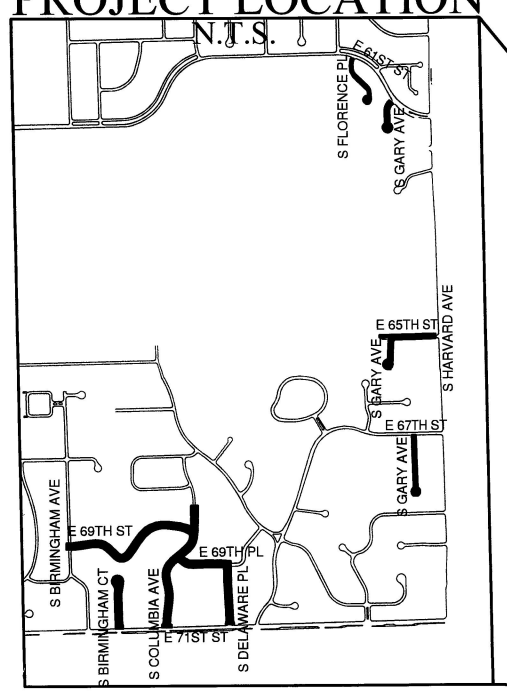
PROJECT LOCATION

N.T.S.

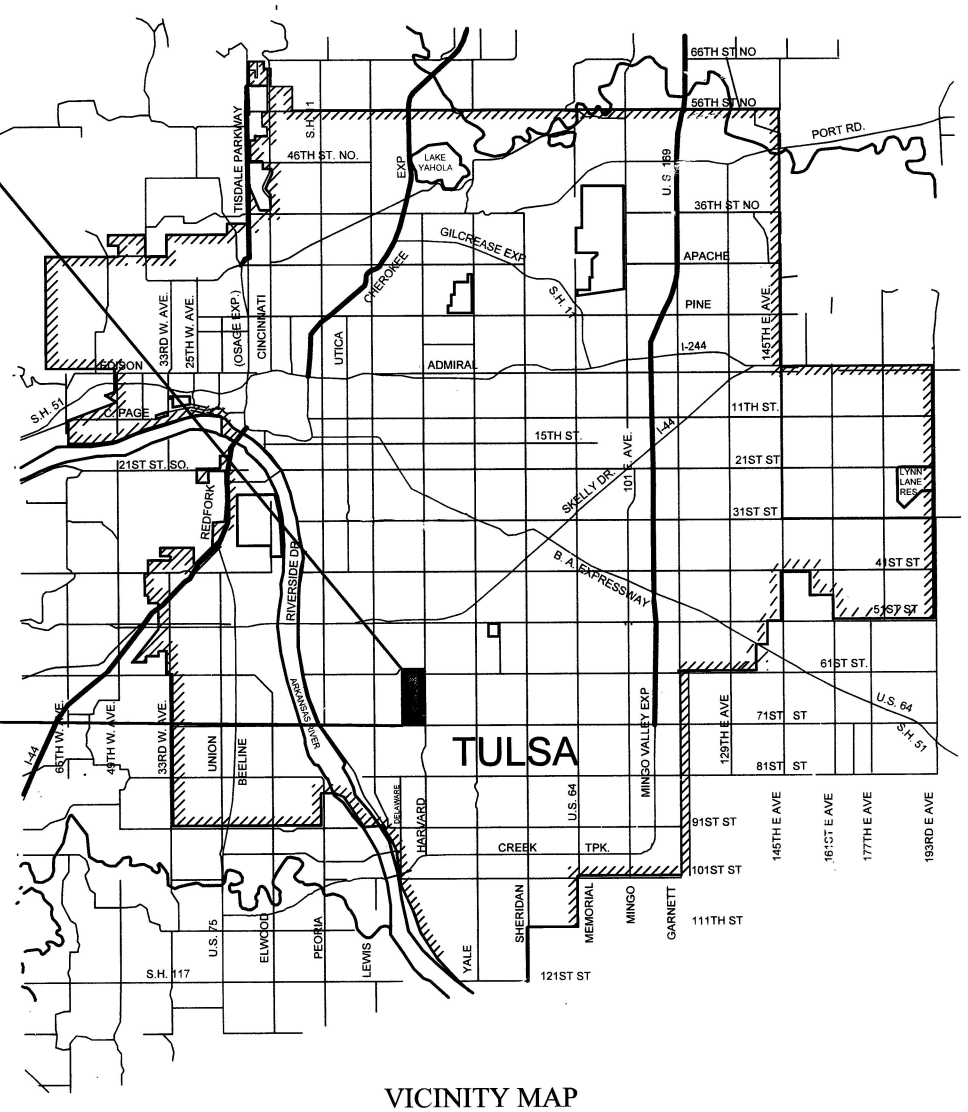


HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT ARE BASED ON THE FOLLOWING CITY OF TULSA BENCHMARKS:

FE563
NORTHING: 392638.64
EASTING: 2574134.33
ELEVATION: 723.66
DESCRIPTION: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE

FE389
NORTHING: 398523.51
EASTING: 2574697.01
ELEVATION: 672.87
DESCRIPTION: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL DATUM: NAD83 (2011) EPOCH: 2010.00
PROJECTION: OKLAHOMA STATE PLANE COORDINATE SYSTEM - NORTH ZONE - 3501
VERTICAL DATUM: NAVD88 (GEOID 12A)
ALL COORDINATES AND MEASUREMENTS IN U.S. SURVEY FOOT.



VICINITY MAP

ROADWAY LENGTH = 6886.02 FT = 1.30 MILES = 2.61 LANE MILES

DESIGN DATA

DESIGN SPEED	25 MPH
ADT (2021)	14990
ADT (2023)	15910
ESAL	5.6 MILLION

ODOT ROADWAY STANDARDS

*LATEST REVISION

IPD-0	ASCD-6-1	SMD-4-2	RDI-4-1
RSF-0	PR-4-1	SPI-5-2	PDT-2-2
TSD-0	WCR-4-2	PBB-1-2	
SSS-2-1	TWD-2-2	MI-4- 2	

ODOT TRAFFIC STANDARDS

*LATEST REVISION

GMS1-1	TCS7-1-02	TCS12-1-01	TCS17-1-01
SSA1-1	TCS8-1-01	TCS13-1-01	TCS18-1-01
SSP-1-1	TCS9-1-01	TCS14-1-01	TCS19-1-01
SBS1-1	TCS10-1-01	TCS15-1-01	TCS20-1-01
TCS6-1-02	TCS11-1-01	TCS16-1-01	

CITY OF TULSA STANDARDS

THE FOLLOWING CITY OF TULSA STANDARD DETAILS WILL BE USED FOR THIS PROJECT (LATEST REVISION):

102 PROJECT SIGN
126 STANDARD SILT FENCE AND CONSTRUCTION ENTRANCE
313 VALVE BOX
401 MANHOLE GRADE ADJUSTMENT
501 STANDARD METER SETTINGS FOR 5/8"x3/4" AND 3/4" WATER SERVICE
505 METER CAN WITH RIM AND LID 5/8"x3/4" AND 1" WATER METER CAN INSTALLATION
608A STREET NAME SIGNS
608B TRAFFIC SIGNS
625 REMOVAL OF TRAFFIC ITEMS
713 PAVEMENT REMOVAL AND REPLACEMENT
714 PAVEMENT CUTS
725 STANDARD PAVEMENT PATCH AND REPAIR
726 ASPHALT PAVEMENT STANDARD DETAILS FOR RESIDENTIAL AND COLLECTOR STREETS
730 STANDARD ASPHALT PAVEMENT CUT AND REPAIR
751 PIPE BEDDING DETAIL FOR STORM SEWER
752 FRAME AND LID FOR STORMWATER MANHOLE
753 FRAME AND LID FOR 4' AND 5' I.D. STORMWATER MANHOLE
755 CONFIGURATIONS OF CAST IRON CURB INLETS
758 RESIDENTIAL STORM WATER CURB OPENING
764 STANDARD REINFORCED CONCRETE STORMWATER INLETS
765 STANDARD STORMWATER FRAMES
766 STANDARD STORMWATER GRATES
767 STANDARD CAST IRON CURB
790 STANDARD SIDEWALK RAMP
793 RESIDENTIAL DRIVE ASPHALT OR CONCRETE NO CURB

UTILITY COORDINATION

COMPANY	CONTACT	PHONE NO.
AT&T	AL NICHOLS	918-596-4237
COX COMMUNICATIONS	JASON HOLT	918-830-7238
ONG	JONATHON MEADOWS	918-831-8215
AEP\PSO	LONNY HICKS	918-250-6211
CITY OF TULSA	CHRIS KOVAC	918-596-9649
MTTA	ERIC SMITH	918-830-0024

UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE LOCATIONS ONLY. LOCATIONS SHOWN ARE THOSE SUPPLIED BY UTILITY COMPANY ATLAS SHEETS AND SOME HORIZONTAL LOCATIONS FLAGGED IN THE FIELD. NO VERTICAL LOCATIONS OR EXPOSED LOCATIONS WERE OBTAINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES BEFORE STARTING ANY EXCAVATION.

CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS AND ASSET MANAGEMENT GUIDELINES GOVERN. ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. AS AMENDED BY COT.

THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS.

ENTIRE PROJECT IS WITHIN CORPORATE LIMITS OF CITY OF TULSA (COT).

IN ACCORDANCE WITH ODOT SECTION 105.14, THE COT IS ANTICIPATING THAT THE SUCCESSFUL CONTRACTOR WILL UTILIZE THE APPROPRIATE MEANS AND METHODS TO ACCOMPLISH THE WORK DESCRIBED IN THE PLANS WITHOUT CAUSING COLLATERAL DAMAGE TO THE EXISTING INFRASTRUCTURE. THE PLANS ARE SET UP WITH THE EXPECTATION OF PERFORMING PATCHING AND CONCRETE WORK PRIOR TO MILLING OPERATIONS TO MINIMIZE CONSTRUCTION TRAFFIC LOADINGS TO REDUCED CAPACITY STREET SECTIONS. FURTHER, THE ANTICIPATED CONSTRUCTION PHASING WILL MINIMIZE THE TIME BETWEEN MILLING AND NEW ASPHALT PLACEMENT. LEAVING OPEN MILLED SECTIONS WILL BE AT THE CONTRACTOR'S RISK IN THE EVENT THAT LOCAL OR CONSTRUCTION TRAFFIC CAUSES DAMAGE TO PREVIOUSLY UNDAMAGED AREA. CURRENT COT CONSTRUCTION BUDGETS DO NOT ALLOW FOR GROWTH OF THE PROJECT.

Tulsa Engineering & Planning Associates, Inc.
9810 East 42nd Street, Suite. 100, Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

APPROVED BY:

CITY ENGINEER — DATE 11/18/24

DIRECTOR OF WATER AND SEWER DEPARTMENT — DATE

ADVERTISMENT DATE: 11.22.24

ENGINEERS CERTIFICATION:

ABBY A. THRALLS P.E.
TULSA ENGINEERING & PLANNING ASSOCIATES, INC.

PLOT DATE: 12/15/2023 10:20 AM, DRAWING NAME: COT 2056 COVER.DWG

CITY OF TULSA PROJECT 2036N2056Z 4282.42823122~541106
G:\21-151\REHAB\COT 2056 COVER.DWG 12/15/2023 10:20 AM

PAY QUANTITIES - ROADWAY (VERSION NOV-2018)					
ITEM NO.	SPEC. NO.	PAY ITEM DESCRIPTION	PAY ITEM NOTE	UNITS	TOTAL ESTIMATED QUANTITY
1	201(A)	CLEARING AND GRUBBING	E-1,2	ACRE	2
2	202(A)	UNCLASSIFIED EXCAVATION	E-3, 4, R-1	CY	307
3	220	SWPPP DOCUMENTATION AND MANAGEMENT	E-6,7,8	LS	1
7	230(A)	SOLID SLAB SODDING	E-10, 11	SY	403
8	303(A)	AGGREGATE BASE TYPE A	S-2	CY	435
9	310(B)	SUBGRADE METHOD B		SY	916
10	325	SEPARATOR FABRIC	S-3	SY	1,614
11	409	FABRIC REINFORCEMENT	S-4	SY	18,339
12	411(C)	SUPERPAVE, TYPE S4 (PG 64-22 OK)	S-5, 6, 7, 8, 23	TON	2,456
13	411(D)	SUPERPAVE, TYPE S6 (PG 64-22 OK)	S-5, 6, 7, 8, G-1	TON	1,036
14	412	COLD MILL PAVEMENT	S-9,22	SY	4,455
15	601(A)	TYPE I PLAIN RIPRAP		TON	348
16	609(B)	COMBINED CURB AND GUTTER (6"-BARRIER)	S-12, 13, 15, 16	LF	140
17	610(B)	CONCRETE DRIVEWAY (6"-H.E.S.)	S-12, 13, 16	SY	617
18	611(A)	18" REINFORCED CONCRETE PIPE (RCP) , COMPLETE IN PLACE	D-8, 12, 13	LF	81
19	611(G)	INLET, DESIGN 2, COMPLETE IN PLACE	D-2, 3, 7, 8, 9, 10, 11	EA	4
20	611(G)	INLET, DESIGN 2(C), COMPLETE IN PLACE	D-2, 3, 7, 8, 9, 10, 11	EA	1
21	611(G)	INLET, ODOT INLET (SMD-TYPE 2)		EA	3
22	611(H)	ADD'L DEPTH IN INLET, DESIGN 2	D-10	VF	11
23	612(A)	MANHOLE ADJUSTED TO GRADE (PUBLIC)	S-12, R-2, D-1, 2, 6	EA	1
24	619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	R-1, 2, 3, 4, 5	LSUM	1
25	619(B)	REMOVAL OF CURB AND GUTTER	R-1, 2, 5, 6	LF	140
26	619(B)	REMOVAL OF DRIVEWAYS	R-1, 2, 5, 6	SY	617
27	619(B)	REMOVAL OF SIGNS	T-1	EA	19
28	641	MOBILIZATION	G-2	EA	1
29	642	CONSTRUCTION STAKING (LEVEL II)	G-3, 4	EA	1
30	880(B)	SIGNS 0.00 TO 6.25 SF	T-2, 4, 5	SD	2,700
31	880(B)	SIGNS 6.26 TO 15.99 SF	T-2, 4, 5	SD	2,700
32	880(B)	SIGNS 16.00 AND UP	T-2, 4, 5	SD	2,700
33	880(C)	BARRICADES (TYPE III)	T-2, 4, 5	SD	2,700
34	880(E)	TYPE "A" WARNING LIGHT	T-5	SD	5,400
35	880(E)	TYPE "C" WARNING LIGHT	T-5	SD	5,400
36	880(F)	DRUMS	T-2, 4, 5	SD	5,400
37	880(G)	TUBE CHANNELIZERS	T-2, 4	SD	10,800
38	COT 334	CONSTRUCTION AS-BUILT		LS	1
39	COT 335	CONTRACTOR'S QUALITY CONTROL		LS	1
40	COT 608(A)	SHEET ALUMINUM SIGN	T-2	SF	195
41	COT 608(C)	1-1/2" SIGN POST		LF	18
42	COT 608(D)	1-3/4" SIGN POST		LF	137
43	COT 608(E)	2" SIGN POST		EA	54
44	SPECIAL	PROJECT SIGN (CITY OF TULSA)	T-7	EA	2
45	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	G-5, 6, 7, 8, 9, 10	EA	1
46	SPECIAL	TYPE I AC PATCH	S-21, G-1, R-1	CY	168
47	SPECIAL	OWNER ALLOWANCE		EA	25,000

BEFORE YOU DIG ...
1-800-522-6543
CALL OKIE

NOTE:
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.

NON ARTERIAL STREET MAINTENANCE

ROADWAY PAY ITEMS

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE
PROFILE SCALE
HORIZONTAL:
VERTICAL:

DRAWN	JMS	12/2023
DESIGNED	AAT	12/2023
SURVEY	BDL	12/2023
PROJ. MGR.		09/23
LEAD ENGR.		10/24
FIELD MGR.		10/24
RECOMMENDED DESIGN MANAGER	HRL	11-24

APPROVED:
CITY ENGINEER
DATE: 11/18/24

FILE: G:\21-151\Rehab\COT 2056 PAY QS\COT 2056 PAY QS.dwg DRAWING:
ATLAS PAGE NO.: 389, 472, 563
SHEET 02 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:20 AM, DRAWING NAME: COT 2056 PAY QS.DWG

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TRANSPORTATION (ROADWAY) PAY ITEM NOTES

Version Date: NOV-2018

EARTHWORK / EROSION CONTROL / SITE PREPARATION (E1 - E11)

E-1 ALL COSTS FOR REMOVING TREES, SHRUBS, STUMPS, POSTS, AND ALL OTHER DEBRIS AND/OR OBSTRUCTIONS NOT COVERED BY A SEPARATE PAY ITEM ARE INCLUDED IN THE PRICE BID.

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 NOT USED.

E-6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT SHALL BE INCLUDED IN EH PRICE BID FOR THIS ITEM.

E-7 EROSION PROTECTION SHALL BE PLACED AROUND DRAINAGE INLETS AS REQUIRED TO PREVENT ENTRANCE OF EROSION MATERIAL. EROSION PROTECTION SHALL BE PLACED AS NECESSARY TO PREVENT EROSION WASH TO ADJACENT PROPERTY. ALL EROSION PROTECTION INSTALLED MUST BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT. EROSION PROTECTION SHALL BE REMOVED AT THE END OF THE PROJECT AS DIRECTED BY THE ENGINEER, COST TO BE INCLUDED IN THE PRICE BID. THE PRICE INCLUDES THE COST OF SEDIMENT REMOVAL PER THE STORMWATER MANAGEMENT PLAN.

E-8 PRICE BID SHALL INCLUDE MAINTENANCE, SEDIMENT REMOVAL, DISPOSAL, AND REMOVAL OF FILTERS AT PROJECT COMPLETION.

E-9 NOT USED.

E-10 THE PAY ITEM FOR SOLID SLAB SODDING INCLUDES QUANTITIES FOR PLACEMENT AND COMPACTION OF SUITABLE BACKFILL AND SOD AT EXISTING GRASS AREAS WHICH MAY BE DAMAGED DURING CONSTRUCTION OF CURBS, SIDEWALKS, DRIVEWAYS, AND OTHER MISCELLANEOUS ITEMS. THE QUANTITIES ARE BASED ON UTILIZING A 3 FOOT WIDE STRIP IN THESE AREAS. THE SOD SHALL BE OF LIKE KIND TO THE EXISTING SOD. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF DAMAGE TO EXISTING GRASS THAT EXCEEDS THESE LIMITS.

E-11 COST OF WATERING AND FERTILIZING SHALL BE INCLUDED. FERTILIZERS SHALL BE 10-20-10 AND SHALL BE APPLIED AT THE RATE OF 1.5 LBS PER 10 SQ YDS. FERTILIZER SHALL BE APPLIED PER SECTION 230.04H OF ODOT STANDARD SPECIFICATIONS. WATERING SHALL BE APPLIED AS NECESSARY UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE WORK IS ACCEPTED AS COMPLETE.

SURFACING / STRUCTURES (S1 - S21)

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

A HIGHER GRADE OF ASPHALT BINDER THAN INDICATED ON THE PLANS MAY BE USED, BUT AT NO ADDITIONAL COST TO THE DEPARTMENT.

NOTE S8 (50) TABLE

BINDER GRADE[2]	MESALs	ADT[1]	NOTES
PG 64-22 OK	< 3	< 5,000	USE WHEN MORE THAN 4-6 INCHES BELOW THE SURFACE. ALSO USE FOR SHOULDERS, DRIVEWAYS, BELOW PCC, AND TEMPORARY CONSTRUCTION.
PG 70-28 OK	< 10	< 10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES.
PG 76-28 OK	>= 10	>= 10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES .
PG 76-28 E	—	—	CONTACT ODOT MATERIALS DIVISION FOR RECOMMENDED USE.

[1]USE ADT ONLY WHEN ESAL COMPUTATIONAL DATA IS NOT AVAILABLE. CALCULATE THE DESIGN ESALs BASED ON 20 YEARS.

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

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 NOT USED.

S-11 NOT USED.

S-12 THE USE OF FLY-ASH IN CONCRETE IS PROHIBITED.

S-13 INCLUDES ALL COST OF SAWED JOINTS AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS.

S-14 NOT USED.

S-15 THIS ITEM SHALL BE MEASURED AS THE ACTUAL AMOUNT OF CURB AND/OR GUTTER INSTALLED. NO PAYMENT WILL BE MADE FOR CURB AND/OR GUTTER THROUGH DRIVEWAYS AND INLETS.

S-16 CURB, GUTTER, AND/OR SIDEWALK ASSOCIATED WITH THE DRIVEWAY AND THROUGH THE DRIVEWAY IS INCLUDED IN THE COST OF THE DRIVEWAY.

S-17 NOT USED.

S-18 NOT USED.

S-19 NOT USED.

S-20 NOT USED.

S-21 "THIS PAY ITEM INCLUDES THE FOLLOWING:

A. SAW CUTTING

B. REMOVAL OF THE EXISTING CONCRETE AND/OR ASPHALTIC CONCRETE ROADWAY (CY)

C. TYPE S3 ASPHALTIC CONCRETE OR PC CONCRETE COMPLETE AND IN PLACE PER DETAIL

D. SEALING OF EDGES AND TACK COAT

DOES NOT INCLUDE THE FOLLOWING:

A. UNCLASSIFIED EXCAVATION

B. SUBGRADE METHOD B (SY)

C. SEPARATOR FABRIC (SY)

D. AGGREGATE BASE (TYPE A)

E. ASPHALT CONCRETE LEVELING OR SURFACE COURSE

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.

REMOVAL / ADJUSTMENT (R1 - R6)

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 ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION.

R-6 SHALL INCLUDE ALL COSTS ASSOCIATED WITH PLUGGING/ PATCHING HOLES IN EXISTING STRUCTURES TO REMAIN.

GENERAL (G1 - G10)

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 MOBILIZATION FOR THE PROJECT (EXCLUDING WATER MOBILIZATION) IS TO BE INCLUDED IN THIS PAY ITEM. THE MAXIMUM ALLOWABLE AMOUNT WILL BE IN ACCORDANCE WITH THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION TABLE 641:1.

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.

G-7 A 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.

DRAINAGE (D1 - D15)

D-1 THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF TULSA STD NO.752, STD NO. 753, STD NO., 754 STD NO. 761 AND STD NO. 762.

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 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.

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 QUICK SET FLOWABLE FILL TO BE USED TO BACKFILL AROUND STREET CURB INLETS AND PIPES AS DIRECTED BY THE ENGINEER.

D-9 ALL INLETS COMPLETE IN PLACE SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. NO BRICK INLETS SHALL BE ALLOWED. THIS PAY ITEM INCLUDES INLET FRAME, GRATE, HOOD AND CONCRETE.

D-10 ADDITIONAL DEPTH IN INLET SHALL BE MEASURED AND PAID FOR ALL INLETS EXCEEDING 3.71 VERTICAL FT, CALCULATED FROM THE CENTER ELEVATION OF THE LOWEST CAST IRON CURB TO THE FLOWLINE OF THE OUTLET PIPE.

D-11 FOR INLET DESIGN NUMBERS AND CONFIGURATIONS REFER TO CITY OF TULSA STANDARD NO. 755. INLET DETAIL / LIST WILL BE PROVIDED IN THE PLANS FOR CONFIGURATIONS NOT SHOWN IN CITY OF TULSA STANDARDS.

D-12 REINFORCED CONCRETE PIPE TO BE CLASS III. ALL REINFORCED CONCRETE PIPE AND MANHOLES TO BE SUPPLIED WITH AN OMNI-FLEX JOINT GASKET OR APPROVED EQUAL. MASTIC JOINT SEALANT SHALL NOT BE ALLOWED.

D-13 THIS PAY ITEM SHALL BE COMPLETE IN PLACE AND SHALL INCLUDE ALL PIPE, STANDARD BEDDING MATERIAL AND TRENCH EXCAVATION, JOINT GASKETS AND ALL OTHER INCIDENTALS. NO ADDITIONAL COST WILL BE MADE.

D-14 NOT USED.

D-15 NOT USED

TRAFFIC (T1 - T7)

T-1 ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS.

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 NOT USED.

T-4 PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL REQUIRED FOR COMPLETION OF THE PROJECT.

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 NOT USED.

T-7 PRICE BID FOR THIS ITEM INCLUDES INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF PROJECT SIGN.

BEFORE YOU DIG ...
1-800-522-6543
CALL OKIE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PAY ITEM NOTES

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	AAT	09/23
HORIZONTAL:	LEAD ENGR.		10/24
	FIELD MGR.		10/24
VERTICAL:	RECOMMENDED:		11.24
	DESIGN MANAGER		

APPROVED:

CITY ENGINEER

FILE: G:\21-151\REHAB\COT 2056 ROADWAY NOTES DRAWING:

DATE: 11/18/2024

ATLAS PAGE NO.: 389, 472, 563

SHEET 03 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:21 AM, DRAWING NAME: COT 2056 ROADWAY NOTES.DWG

G:\21-151\Rehab\COT 2056 Roadway Notes.dwg, 12/15/2023 - 10:20 AM

TRANSPORTATION GENERAL CONSTRUCTION NOTES

Version Date: SEPT-2016

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION 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, MCI/VERIZON, 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 INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.

8. THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE 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 THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED 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.

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 PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, PUBLISHED ON JULY 26, 2011 BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK, WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

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. CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.

CONSTRUCTION PHASING AND TRAFFIC CONTROL:

ALL PHASES MUST BE COMPLETE BEFORE THE NEXT PHASE IS BEGUN.

PH01. PLACE PROJECT SIGNS AT THE INTERSECTIONS OF E 71ST ST N AND S COLUMBIA AVE, S HARVARD AVE AND E 65TH ST, AND E 61ST ST N AND S FLORENCE PL. SET TRAFFIC CONTROL DEVICES AT LIMITS OF PROJECT. TRAFFIC CONTROL DEVICES CONSIST OF 2 TYPE III BARRICADES W/ 2 TYPE A LIGHTS AND 1 R11-4 TO BE PLACED AT EACH INTERSECTION ALONG THE LIMITS OF THE PROJECT. TRAFFIC CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION AT ALL TIMES.

PH02. SET TRAFFIC CONTROL DEVICES AT LIMITS OF STREET WORK AREA. WORK AREA CONSISTS OF APPROXIMATELY 1,000 LINEAR FEET AT A TIME. TRAFFIC CONTROL DEVICES AT LIMITS OF WORK AREA CONSIST OF 2 TYPE III BARRICADES W/ 2 TYPE A LIGHTS AND 1 R11-4 ON EACH SIDE OF WORK AREA.

PH03. PATCH PAVEMENT WITHIN THIS AREA INCLUDING EXCAVATION OF SOIL, STABILIZATION AND COMPACTION OF SUBGRADE, PLACEMENT OF SEPARATOR FABRIC, AGGREGATE BASE, AND PLACE NEW PATCH PAVEMENT AS DIRECTED IN PLANS.

PH04. CONSTRUCT DRIVEWAYS, AND CURB & GUTTER AT LOCATIONS IDENTIFIED IN PLANS.

PH05. REMOVE OR MILL PAVEMENT AND OVERLAY

PH06. REPEAT PHASE 3 WHEN 1000 FOOT WORK AREA IS COMPLETE, AND RESET TRAFFIC CONTROL DEVICES AT LIMITS OF WORK AREA, UNTIL ALL ROAD WORK AS IDENTIFIED IN PLANS IS COMPLETED.

PH047. COMPLETE SODDING AND PROJECT CLEAN UP.

PH08 REMOVE TRAFFIC CONTROL DEVICES.

EROSION CONTROL NOTES:

A. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF: DRAWINGS CONTAINING STANDARD DETAILS AND NOTES, THE PERMIT AND ALL REPORTS AND RELATED DOCUMENTS.

B. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPS) AS REQUIRED. ADDITIONAL BMPS SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS THROUGHOUT ALL PHASES OF CONSTRUCTION AND AT NO ADDITIONAL COST.

C. BEST MANAGEMENT PRACTICES (BMPS) SHALL CONFORM TO FEDERAL, STATE, AND LOCAL REQUIREMENTS. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY ODEQ OR CITY OF TULSA INSPECTOR.

D. CONTRACTOR SHALL DENOTE ON A SITE PLAN: PARKING, MATERIAL STORAGE AREA, WASH OFF AREA, FUEL/OIL STORAGE, TRASH CONTAINERS, OFFICE TRAILER, AND TOILET FACILITIES.

E. ALL WASH WATER FOR CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC., SHALL BE CAPTURED AND PROPERLY TREATED BEFORE DISPOSAL.

F. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE TO CONTAIN AND CLEAN-UP ANY FUEL OR CHEMICAL SPILL OR LEAK.

G. DUST GENERATED BY CONSTRUCTION ACTIVITIES SHALL BE CONTROLLED. THE USE OF MOTOR OIL OR OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS PROHIBITED.

H. CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN A LAWFUL MANNER.

I. DEBRIS AND CONSTRUCTION MATERIAL SHALL BE PREVENTED FROM LEAVING THE SITE. ALL SEDIMENT WASHED OR TRACKED ONTO ROADWAYS MUST BE REMOVED IMMEDIATELY.

J. STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN SHALL BE INSTALLED BEFORE BEGINNING EARTH DISTURBING ACTIVITIES.

K. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY WILL BE STOPPED FOR AT LEAST 21 DAYS SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.

L. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS BEEN COMPLETED SHALL BE SODDED NO LATER THAN 14 DAYS AFTER CONSTRUCTION IS FINISHED.

M. IF THE ACTION OF VEHICLES TRAVELING OVER THE CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER A PUBLIC ROAD. IF VEHICLES ARE WASHED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP SEDIMENT BEFORE IT IS CARRIED OFF SITE.

N. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR ENTERING STORM DRAINS MUST BE REMOVED IMMEDIATELY.

O. STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES.

P. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING AND MAINTAINING EROSION CONTROL MEASURESFOR THE DURATION OF THE PROJECT.

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

OKLAHOMA PROFESSIONAL ENGINEER 22113 LICENSED

NON ARTERIAL STREET MAINTENANCE

GENERAL CONSTRUCTION NOTES

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:

tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	ABK	09/23
HORIZONTAL:	LEAD ENGR.		10/23
	FIELD MGR.		10/23
VERTICAL:	RECOMMENDED: DESIGN MANAGER		11-4-24

APPROVED: CITY ENGINEER

FILE: G:\21-151\Rehab\OOT 2056 ROADWAY NOTES.DWG DRAWING:

DATE: 11/18/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 04 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:21 AM, DRAWING NAME: COT 2056 ROADWAY NOTES.DWG

G:\21-151\Rehab\OOT 2056 Roadway Notes.dwg, 12/15/2023 - 10:21 AM

STORM SUMMARY TABLE

STR NO.	ALIGNMENT	STATION	OFFSET (FT)	SIDE	NORTHING	EASTING	EXISTING DESIGN NOTES			PROPOSED DESIGN NOTES			INLETS										18" RCP			
							HOOD MATERIAL	APPROXIMATE DESIGN	GRATE TYPE	HOOD MATERIAL	APPROXIMATE DESIGN	GRATE TYPE	TOP OF CURB ELEV	TOP OF GRATE ELEV	FLOWLINE IN	FLOWLINE OUT	INNER STR HT	PRECAST INLET CI DES 2	PRECAST INLET CI DES 2(C)'	ADDITIONAL DEPTH IN INLET	ODOT INLET (SMD-TYPE 2)	ADDITIONAL SMD DEPTH	PIPE LENGTH	START FLOWLINE	END FLOWLINE	SLOPE
																		611(G)	611(G)	611(F)	611(G)		613(A)			
													FT	FT	FT	FT	FT	EA	EA	VF	EA	VF	FT	FT	FT	%
Aa	S BIRMINGHAM CT	101+13.91	11.6	RT	392617.425	2573882.141	CICI	DESIGN 4	BIKE SAFE	TO REMAIN																
Ba	S BIRMINGHAM CT	105+95.73	17.2	LT	393077.262	2573825.190	CONC	DESIGN 2	BIKE SAFE	CICI	DESIGN 2	BIKE SAFE	711.6	711.1	NA	699.9	11.17	1		7.50			TO REMAIN			
Ca	S COLUMBIA AVE	201+58.18	16.5	RT	392671.798	2574385.029	CICI	DESIGN 4(D)	BIKE SAFE																	
Cb	S COLUMBIA AVE	201+29.92	16.3	LT	392647.166	2574349.248	CICI	DESIGN 2(B)	BIKE SAFE																	
Da	S DELAWARE PL	301+15.59	11.5	LT	392646.285	2575015.558	CICI	DESIGN 2(B)	BIKE SAFE																	
Db	S DELAWARE PL	301+15.44	11.5	RT	392646.470	2575040.049	CICI	DESIGN 1(A)	BIKE SAFE	CICI	DESIGN 2	BIKE SAFE	761.8	761.3	NA	754.6	6.69	1		3.00						
Ea	S GARY AVE	703+25.38	12.2	RT	395564.646	2576754.423	NA	LANDSCAPE AREA INLET	NA	NA	ODOT INLET (SMD-TYPE 2)	NA	NA	776.5	NA	770.6	6				1	3.5	45.2	770.6	770.1	1.00%
Eb	S GARY AVE	702+82.98	24.5	RT	395525.623	2576732.273	NA	LANDSCAPE AREA INLET	NA	NA	ODOT INLET (SMD-TYPE 2)	NA	NA	773.6	770.1	770.1	3.6				1	1.1	21.8	770.1	769.9	1.00%
Ec	S GARY AVE	702+42.64	7.3	LT	395488.519	2576706.163	NA	LANDSCAPE AREA INLET	NA	NA	ODOT INLET (SMD-TYPE 2)	NA	NA	773	NA	769.6	3.5				1	1	13.6	769.6	769.5	1.00%
Fa	S GARY AVE	803+28.97	11.9	RT	398008.800	2576748.135	CICI	DESIGN 1	BIKE SAFE	CICI	DESIGN 2	BIKE SAFE	708.5	708	705.7	705.5	2.5	1		0.00						
Fb	S GARY AVE	803+28.76	10.8	LT	398026.969	2576731.884	CICI	DESIGN 2	BIKE SAFE	TO REMAIN																
Ga	S FLORENCE PL	903+94.47	11.4	RT	398330.304	2576349.843	CICI	DESIGN 1(C)	BIKE SAFE	CICI	DESIGN 2	BIKE SAFE	696.1	695.6	693.4	693.3	2.4		1	0.00						
Gb	S FLORENCE PL	903+93.42	12.2	LT	398316.895	2576326.585	CONC	DESIGN 1(A)	BIKE SAFE	CICI	DESIGN 2	BIKE SAFE	696	695.5	692.7	692.7	2.8	1		0.00						
TOTAL																		4	1	11	3	6	81			

S COLUMBIA AVE REPLACEMENT DRIVEWAY SUMMARY TABLE

SHEET NO.	STATION	EXISTING TYPE **	PROPOSED TYPE	EXISTING SIZE		PROPOSED RADII	SIDE	EXISTING SLOPE	PROPOSED SLOPE	SLOPE CHANGE	REPLACE	AREA	AGGREGATE BASE TYPE A	6" CONC DRIVE
				LENGTH	WIDTH									
				FT	FT	LT,RT	LT / RT	%	%	%		SY	CY	SY
28	202+88.64	A	C	5	28	05,05	LT	0.1	5.96	5.86	APRON ONLY *	21	4	21
28	203+52.12	A	C	7	17	05,05	LT	0.87	3.25	2.38	APRON ONLY *	17	3	17
28	204+16.25	A	C	12	23	10,25	RT	0.68	1.65	0.97	APRON ONLY *	33	6	33
28	204+36.59	C	C	15	20	12,10	LT	5.24	0.86	4.38	APRON ONLY *	22	4	22
28	206+04.56	A	C	12	34	20,20	RT	12.95	9.6	3.35	APRON ONLY *	43	8	43
28	206+29.77	C	C	15	19	10,12	LT	2.44	0.48	1.96	APRON ONLY *	42	7	42
29	207+04.24	DC	C	6	34	NA	LT	TO REMAIN						
29	207+80.68	A	C	14	30	20,20	RT	8.27	5.12	3.15	APRON ONLY *	39	7	39
29	207+98.32	DC	C	6	32	NA	LT	TO REMAIN						
29	209+46.30	A	C	6	22	05,05	LT	1.23	3.76	2.53	APRON ONLY *	19	4	19
29	210+84.61	C	C	14	19	00,07	RT	15.37	20.2	4.83	APRON ONLY *	49	9	49
TOTAL													52	285

E 69TH ST REPLACEMENT DRIVEWAY SUMMARY TABLE

SHEET NO.	STATION	EXISTING TYPE **	PROPOSED TYPE	EXISTING SIZE		PROPOSED RADII	SIDE	EXISTING SLOPE	PROPOSED SLOPE	SLOPE CHANGE	REPLACE	AREA	AGGREGATE BASE TYPE A	6" CONC DRIVE
				LENGTH	WIDTH									
				FT	FT	FT	LT / RT	%	%	%		SY	CY	SY
32	401+74.98	C	C	9.5	49.5	00,10	LT	7.24	3.69	3.55	APRON ONLY *	62	11	62
32	402+22.65	A	C	7.5	28.5	05,05	LT	14.3	10.1	4.2	APRON ONLY *	32	6	32
32	402+72.86	C	C	10	40.5	00,00	RT	8.52	11.95	3.43	APRON ONLY *	73	13	73
32	404+00.88	A	C	13.5	29	08,08	LT	0.72	2.18	1.46	APRON ONLY *	49	9	49
32	404+10.42	C	C	8	49	10,10	RT	3.71	10.5	6.79	APRON ONLY *	54	9	54
32	406+12.98	C	C	10	17	25,10	RT	3.3	6.44	3.14	APRON ONLY *	32	6	32
33	412+03.80	C	C	9	19	10,20	LT	4.83	8.52	3.69	APRON ONLY *	30	5	30
TOTAL													59	332

ADJUST TO GRADE SUMMARY

SHEET NO.	ALIGNMENT	STATION	OFFSET	SIDE	WATER METER	WATER VALVE	SANITARY MANHOLE
29	S COLUMBIA AVE	212+71.69	6.8	RT			1
31	E 69TH ST	402+41.02	6.7	LT	1		
31	E 69TH ST	403+71.04	7.8	LT		1	
32	E 69TH ST	412+64.91	5.8	RT		1	
32	E 69TH ST	414+45.84	10.2	LT			1
34	E 69TH PL	503+74.52	5.3	LT		1	
34	E 69TH PL	503+84.73	8.9	RT			1
36	S GARY AVE	700+36.57	34.8	RT			1
TOTAL					1	3	4

SUMMARY OF ROADWAY

STREET	STA BEG	STA END	MILL & OVERLAY				PATCH					CURB AND GUTTER			PERMINANT EROSION CONTROL	
			SUPERPAVE, TYPE S6 (PG 64-22 OK)	SUPERPAVE, TYPE S4 (PG 64-22 OK)	FABRIC REINFORCEMENT	COLD MILL PAVEMENT	TYPE I AC PATCH	UNCLASSIFIED EXCAVATION	SUBGRADE METHOD B	SEPARATOR FABRIC	AGGRAGATE BASE TYPE A	COMBINED CURB AND GUTTER 6" BARRIER	SEPARATOR FABRIC	AGGREGATE BASE TYPE A	TYPE I PLAIN RIPRAP	SOLID SLAB SODDING
			TON	TON	SY	SY	CY	CY	SY	SY	CY	LF	SY	CY	TON	SY
S BIRMINGHAM CT	101+26.65	106+00.02	98	195	1740	0	17	32	94	145	32	0	0	0	0	0
S COLUMBIA AVE	201+13.56	214+13.37	190	473	3355	511	62	114	341	532	114	0	0	0	0	200
S DELAWARE PL	301+26.79	307+02.90	82	162	1429	1412	25	46	138	237	46	0	0	0	0	0
E 69TH ST	400+77.14	415+60.35	209	755	3720	0	21	38	113	155	38	0	0	0	348	120
E 69TH PL	500+22.64	505+98.55	82	164	1455	513	0	0	0	0	0	0	0	0	0	0
S GARY AVE	600+17.73	606+14.55	79	156	1380	321	0	0	0	0	0	0	0	0	0	0
S GARY AVE	700+12.44	703+37.93	48	96	857	0	12	21	62	130	21	0	0	0	0	0
S GARY AVE	800+14.19	803+35.45	68	136	1208	1208	31	56	168	272	56	140	143	17	0	83
S FLORENCE PL	900+10.71	905+61.27	99	197	1754	490	0	0	0	0	0	0	0	0	0	0
E 65TH ST	1000+30.30	1007+13.78	81	122	1441	0	0	0	0	0	0	0	0	0	0	0
TOTAL			1036	2456	18339	4455	168	307	916	1471	307	140	143	17	348	403

BEFORE YOU DIG ...
1-800-522-6543
CALL OKIE

NOTES:

*APRON ONLY PER CITY OF TULSA DIRECTION

**A = ASPHALT DRIVEWAY
**C = CONCRETE DRIVEWAY
**DC = DECORATIVE CONCRETE (DO NOT IMPACT DRIVE)

PLOT DATE: 12/15/2023 10:21 AM, DRAWING NAME: COT 2056 PAY QS.DWG

NON ARTERIAL STREET MAINTENANCE

ROADWAY SUMMARY TABLES

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE
PROFILE SCALE
HORIZONTAL:
VERTICAL:

DRAWN	JMS	12/2023
DESIGNED	AAT	12/2023
SURVEY	BDL	12/2023
PROJ. MGR.	ABK	09/23
LEAD ENGR.		10/24
FIELD MGR.		10/24
RECOMMENDED	HAS	11-24
DESIGN MANAGER		

APPROVED:
CITY ENGINEER

FILE: G:\21-151\REHAB\COT 2056 PAY QS.DWG DRAWING:
DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563
SHEET 05 OF 44 SHEETS

G:\21-151\Rehab\COT 2056 Pay Qs.dwg, 12/15/2023 - 10:21 AM

STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION

PROJECT LIMITS: S BIRMINGHAM COURT FROM E 71ST STREET NORTH TO THE CUL-DE-SAC, S COLUMBIA AVE FROM E 71ST STREET NORTH TO JUST NORTH OF THE INTERSECTION WITH E 69TH ST, S DELAWARE PL FROM E 71ST STREET NORTH TO E 69TH PL, E 69TH ST FROM S BIRMINGHAM AVE EAST TO S DELAWARE AVE, E 69TH PL FROM S COLUMBIA AVE EAST TO S DELAWARE PL, S GARY AVE FROM THE CUL-DE-SAC NORTH TO E 67TH ST, S GARY AVE FROM THE CUL-DE-SAC NORTH TO E 65TH ST, S GARY AVE FROM THE CUL-DE-SAC NORTH TO E 61ST ST, E FLORENCE PL FROM THE CUL-DE-SAC NORTH TO E 61ST ST, E 65TH ST FROM WEST OF S GARY AVE EAST TO S HARVARD AVE.

PROJECT DESCRIPTION: MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION. MILL, PATCH, AND OVERLAY, REPLACE EXISTING INLETS WITH CONCRETE HOODS, OR IF THEY HAVE LESS THAN A DESIGN 2 EXISTING SIZE.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

1. INSTALL ALL TEMPORARY SILT FENCE AND SEDIMENTATION PROTECTION AROUND ALL EXISTING DRAINAGE INLETS.
2. SET TRAFFIC CONTROL DEVICES TO DIVERT THRU TRAFFIC.
3. CONSTRUCT INLET IMPROVEMENTS AS SHOWN ON PLANS.
4. CONSTRUCT PAVEMENT IMPROVEMENTS AS SHOWN ON PLANS.
5. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES. MAINTAIN EROSION CONTROL MEASURES AROUND INLETS UNTIL PROJECT COMPLETION & ACCEPTANCE BY OWNER.
6. INSTALL PERMANENT EROSION CONTROL (SOLID SLAB SOD) AROUND ALL DISTURBED AREAS OR WHERE REQUIRED.

SOIL TYPE: D

TOTAL AREA OF THE CONSTRUCTION SITE: 1.57 ACRES

ESTIMATED AREA TO BE DISTURBED: 0.78 ACRES

OFFSITE AREA TO BE DISTURBED: N/A
(FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 0.78 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 0.78 ACRES

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 0.40

LATITUDE & LONGITUDE OF CENTER OF PROJECT: N036° 03' 52.04", W095° 56' 52.06"

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: _____

SENSITIVE WATERS OR WATERSHEDS: YES [ ] NO [X]

303(d) IMPAIRED WATERS: YES [X] NO [ ]

IF YES, LIST IMPAIRMENT: MACROINVERTEBRATE BIO (FRED CREEK, JOE CREEK)

LOCATED IN A TMDL: YES [ ] NO [X]

LAKE THUNDERBIRD TMDL: YES [ ] NO [X]

MS4 ENTITY YES [X] NO [ ]

IF YES, LOCATION: Tulsa County

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

NOTE:
THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE PATTERNS/PATHWAYS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES. PER CITY OF TULSA DIRECTIVE NO EROSION CONTROL OR DRAINAGE AREA MAPS SHEETS INCLUDED IN MILL PATCH AND OVERLAYING PROJECTS AND PRJECTS THAT ARE REPLACING INLETS ONLY.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- ____ TEMPORARY SEEDING
- __X__ PERMANENT SODDING, SPRIGGING OR SEEDING
- ____ VEGETATIVE MULCHING
- ____ SOIL RETENTION BLANKET
- __X__ PERSERVATION OF EXISTING VEGETATION
- ____ HYDROMULCH / HYDROSEED

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

STRUCTURAL PRACTICES:

- ____ STABILIZED CONSTRUCTION EXIT
- __X__ TEMPORARY SILT FENCE
- __X__ TEMPORARY SILT DIKES
- __X__ TEMPORARY FIBER LOG
- ____ DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- ____ DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- ____ ROCK FILTER DAMS
- ____ TEMPORARY SLOPE DRAIN
- ____ PAVED DITCH W/ DITCH LINER PROTECTION
- ____ TEMPORARY DIVERSION CHANNELS
- ____ TEMPORARY SEDIMENT BASINS
- ____ TEMPORARY SEDIMENT TRAPS
- ____ TEMPORARY SEDIMENT FILTERS
- __X__ TEMPORARY SEDIMENT REMOVAL
- ____ RIP RAP
- ____ INLET PROTECTION
- ____ TEMPORARY BRUSH SEDIMENT BARRIERS
- ____ SANDBAG BERMS
- ____ TEMPORARY STREAM CROSSINGS
- ____ FLEXAMAT / ARTICULATED CONCRETE BLOCK
- ____ COMPOST FILTER SOCKS
- ____ EROSION CONTROL MATS AND BLANKETS

OFFSITE VEHICLE TRACKING:

- __X__ HAUL ROADS DAMPENED FOR DUST CONTROL
- __X__ LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULINEXCESS
- __X__ DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:
ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

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

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

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

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

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

IN ADDITION:
"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, OCTOBER 18, 2022.

ADDITIONAL PERMITS REQUIRED FROM OKLAHOMA WATER RESOURCES BOARD AND/OR MUNCIPALITY FOR USE OF SURFACE, GROUND OR CITY WATER SOURCES FOR ACTIVITIES SUCH AS WATERING.

NON ARTERIAL STREET MAINTENANCE

STORM WATER MANAGEMENT PLAN

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	AAT	09/13/24
HORIZONTAL:	LEAD ENGR.		10/24
	FIELD MGR.		10/24
VERTICAL:	RECOMMENDED, DESIGN MANAGER	HAS	11-24

APPROVED: CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 STORM WATER MANAGEMENT PLAN DRAWINGS

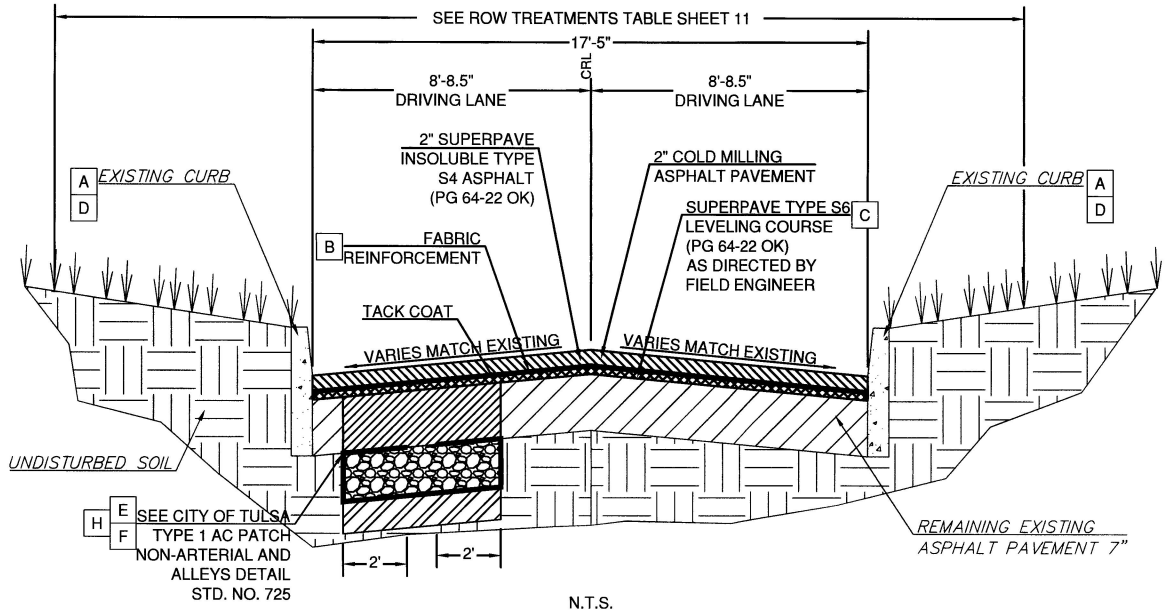
DATE: 11/18/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 06 OF 44 SHEETS

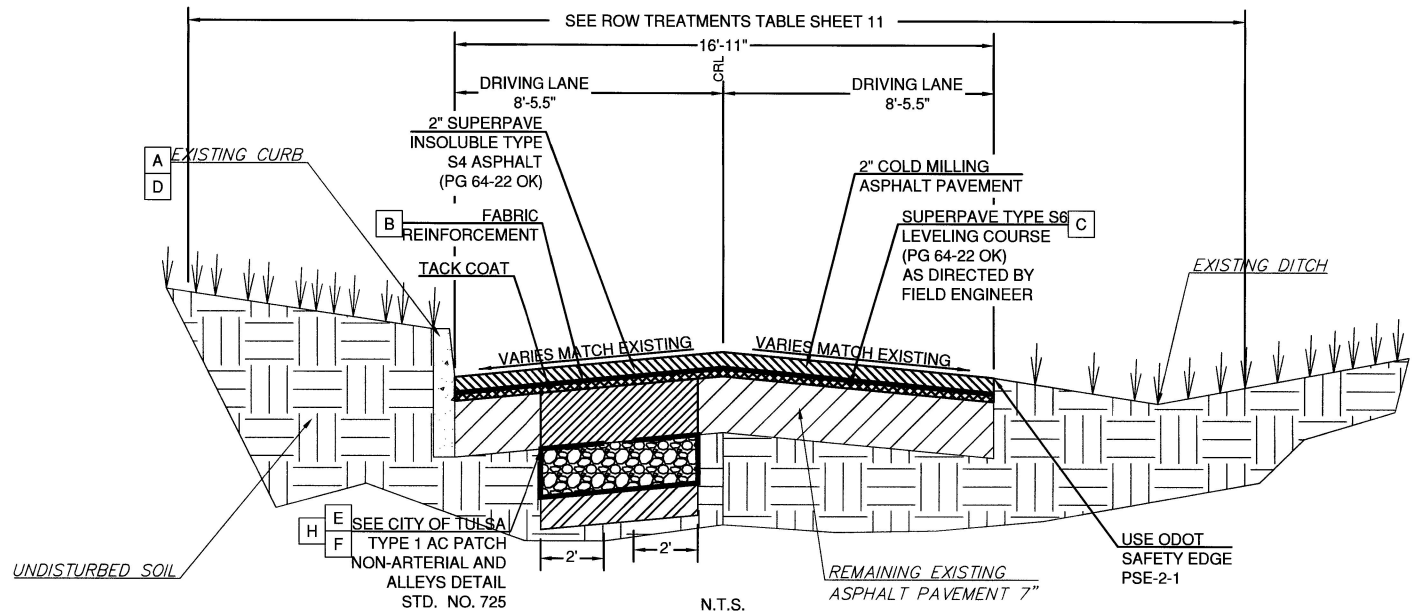
PLOT DATE: 12/15/2023 10:21 AM, DRAWING NAME: COT 2056 STORM WATER MANAGEMENT PLAN.DWG

G:\21-151\Rehab\COT 2056 Storm Water Management Plan.dwg, 12/15/2023 - 10:21 AM



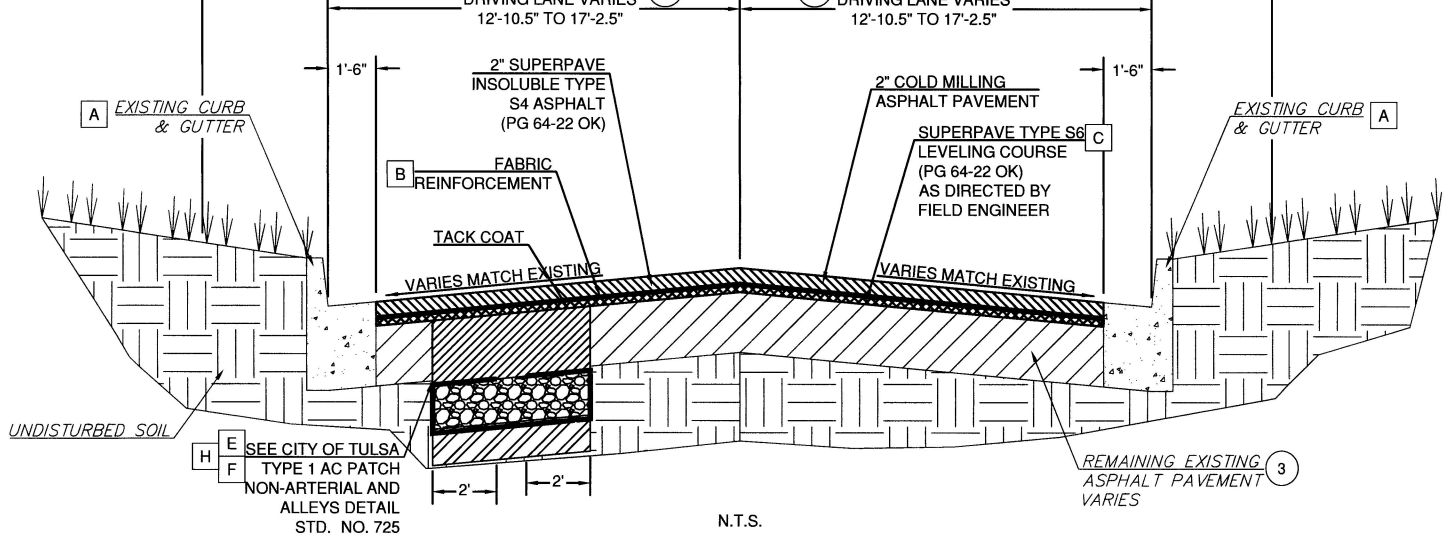
1 RESIDENTIAL MILL & OVERLAY TYPICAL SECTION AC WITH EXISTING EXPOSED CURB BOTH SIDES

304+36.56 TO 305+26.74 (S DELAWARE PL)



3 RESIDENTIAL MILL & OVERLAY TYPICAL SECTION AC WITH EXISTING BURIED CURB LT & EXISTING DITCH RT

304+09.48 TO 304+36.56 (S DELAWARE PL)



2 RESIDENTIAL MILL & OVERLAY TYPICAL SECTION AC WITH EXISTING EXPOSED CURB & GUTTER BOTH SIDES

201+13.56 TO 202+46.83 (S COLUMBIA AVE)
301+26.79 TO 304+09.48 (S DELAWARE PL)
800+14.19 TO 803+35.45 (S GARY AVE)

TYPICAL 1 DETAILS							
			AVG FOC TO FOC STREET WIDTH	AVG LANE WIDTH LT & RT	MILL DEPTH & S4 ASPHLAT OVERLAY	EXISTING ASPHALT PAVEMENT THICKNESS	REMAINING EXISTING ASPHALT PAVEMENT THICKNESS
			FT-IN	FT-IN	IN	IN	IN
STREET	START STA	END STA	(1)	(2)			(3)
S COLUMBIA AVE	201+13.56	202+46.83	34' - 5"	17' - 2.5"	2	7.5	5.5
S DELAWARE PL	301+26.79	304+09.48	25' - 9"	12' - 10.5"	2	9	7
S GARY AVE	800+14.19	803+35.45	25' - 9"	12' - 10.5"	2	7.5	5.5

NOTES:

A CURB & GUTTER SHALL BE REPLACED AS SHOWN ON PLANS. IF CONTRACTOR DISTURBS EXISTING CURB & GUTTER NOT SCHEDULED TO BE REPLACED, IT SHALL BE REPLACED AT THEIR EXPENSE. NO ADDITIONAL PAYMENT SHALL BE MADE.

B WHEN OVERLAYING ASPHALT OVER ASPHALT USE TENSAR GP25 OR APPROVED EQUAL

C SUPERPAVE A.C. TYPE S6 LEVELING COURSE SHALL BE USED AT THE DISCRETION OF THE FIELD ENGINEER PRIOR TO PLACING FABRIC REINFORCEMENT AND MAY BE OMITTED IN ITS ENTIRETY.

D IF CONCRETE GUTTER PAN IS ENCOUNTERED DURING MILLING, DO NOT MILL CONCRETE GUTTER PAN.

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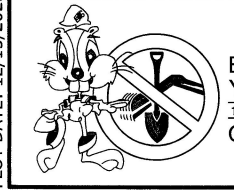
H ENSURE SEPARATOR FABRIC WRAPS TO TOP OF AGG BASE AND OVERLAPS BY AT LEAST 2'



BEFORE YOU DIG ...
1-800-522-6543
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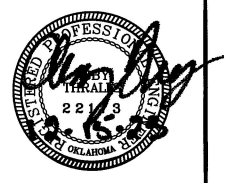

NON ARTERIAL STREET MAINTENANCE

TYPICAL SECTIONS AND DETAILS (SHEET 1 OF 4)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE
PROFILE SCALE
HORIZONTAL:
VERTICAL:

DRAWN	JMS	12/2023
DESIGNED	AAT	12/2023
SURVEY	BDL	12/2023
PROJ. MGR.	AEK	09/23
LEAD ENGR.		11/24
FIELD MGR.	JMS	10/24
RECOMMENDED DESIGN MANAGER	HAS	11-24-2025

APPROVED:
CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 DETAILS DRAWING:
DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563
SHEET 07 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:22 AM, DRAWING NAME: COT 2056 DETAILS.DWG

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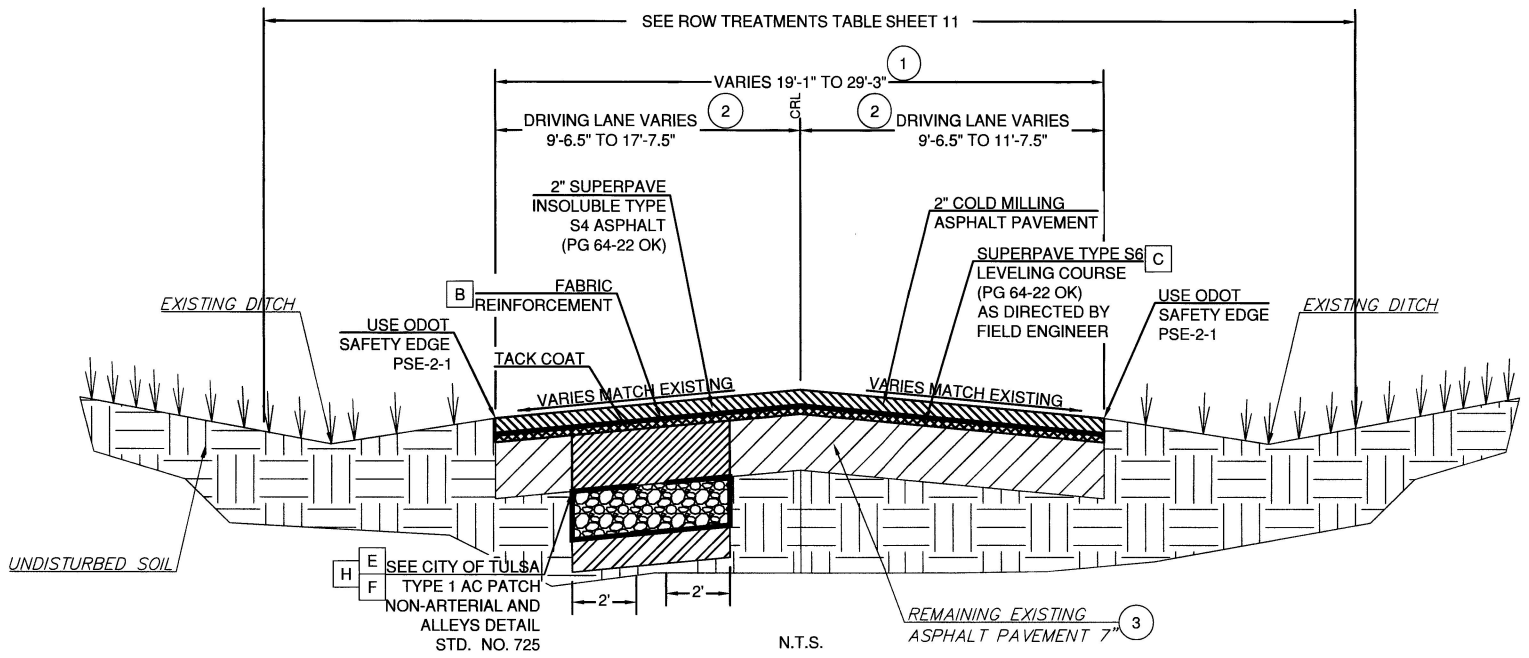
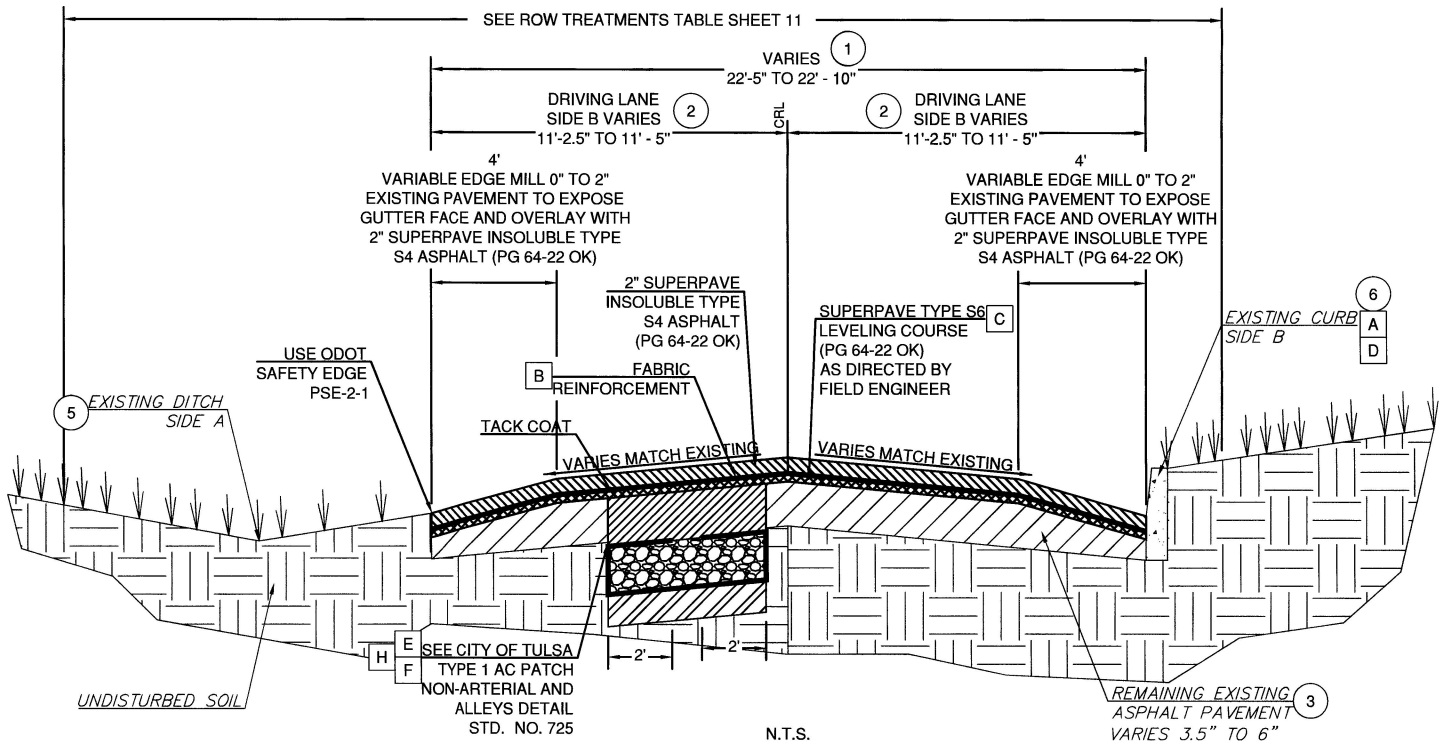


N.T.S.

4 RESIDENTIAL MILL & OVERLAY TYPICAL SECTION
AC WITH EXISTING DITCH BOTH SIDES

305+26.74 TO 307+02.90 (S DELAWARE PL)
605+15.87 TO 606+14.55 (S GARY AVE)

TYPICAL 4 DETAILS							
			AVG FOC TO FOC STREET WIDTH	AVG LANE WIDTH LT & RT	MILL DEPTH & S4 ASPHLAT OVERLAY	EXISTING ASPHALT PAVEMENT THICKNESS	REMAINING EXISTING ASPHALT PAVEMENT THICKNESS
			FT-IN	FT-IN	IN	IN	IN
STREET	START STA	END STA	(1)	(2)			(3)
S DELAWARE PL	305+26.74	307+02.90	19' - 1"	9' - 7"	2	9	7
S GARY AVE	605+15.87	606+14.55	29' - 3"	17' - 8"	2	9	7

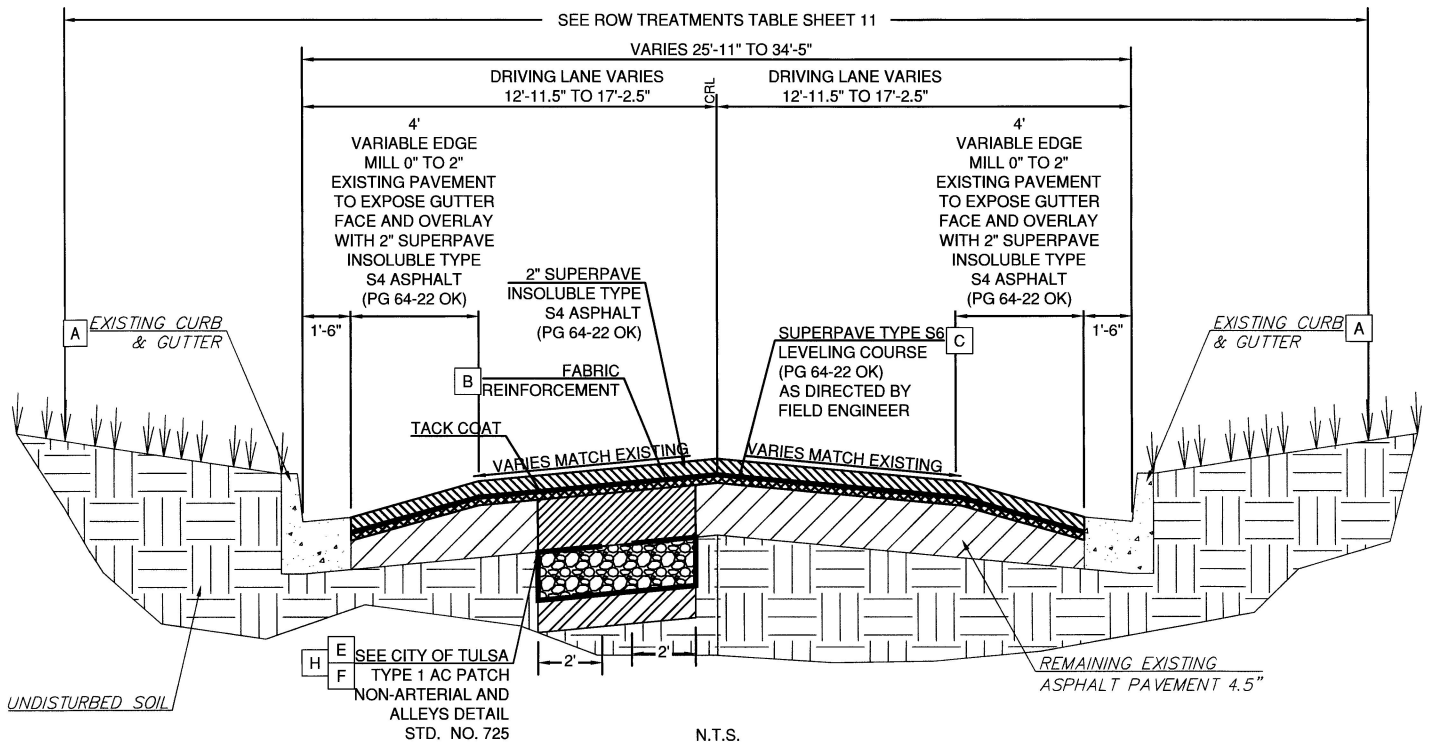


N.T.S.

6 RESIDENTIAL EDGE MILL & OVERLAY TYPICAL SECTION
AC WITH EXISTING DITCH SIDE A & EXISTING EXPOSED CURB SIDE B

500+22.64 TO 503+86.26 (E 69TH PL)
503+86.26 TO 505+98.55 (E 69TH PL)

TYPICAL 6 DETAILS									
			AVG FOC TO FOC STREET WIDTH	AVG LANE WIDTH LT & RT	SIDE A EXISTING DITCH SIDE	SIDE B EXISTING CURB SIDE	MAX MILL DEPTH & S4 ASPHLAT OVERLAY	EXISTING ASPHALT PAVEMENT THICKNESS	MIN REMAINING EXISTING ASPHALT PAVEMENT THICKNESS
			FT-IN	FT-IN			IN	IN	IN
STREET	START STA	END STA	(1)	(2)	(5)	(6)		(3)	(3)
E 69TH PL	500+22.64	503+86.26	22' - 5"	11' - 2"	LT	RT	2	5.5	3.5
E 69TH PL	503+86.26	505+98.55	22' - 10"	11' - 5"	RT	LT	2	6	4



N.T.S.

5 RESIDENTIAL EDGE MILL & OVERLAY TYPICAL SECTION
AC WITH EXISTING EXPOSED CURB & GUTTER BOTH SIDES

900+10.71 TO 905+61.27 (S FLORENCE PL)

NOTES:

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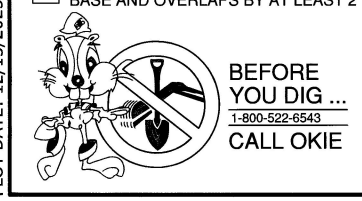
H ENSURE SEPARATOR FABRIC WRAPS TO TOP OF AGG BASE AND OVERLAPS BY AT LEAST 2'



NON ARTERIAL STREET MAINTENANCE
TYPICAL SECTIONS AND DETAILS (SHEET 2 OF 4)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
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Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

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	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	AAT	09/23
HORIZONTAL:	LEAD ENGR.		10/24
	FIELD MGR.		10/23
VERTICAL:	RECOMMENDED:		11-24
	DESIGN MANAGER		

APPROVED:

CITY ENGINEER

DATE: 11/18/24

FILE: G:\21-151\Rehab\COT 2056 Details.dwg DRAWING:

ATLAS PAGE NO.: 389, 472, 563

SHEET 08 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:22 AM, DRAWING NAME: COT 2056 DETAILS.DWG

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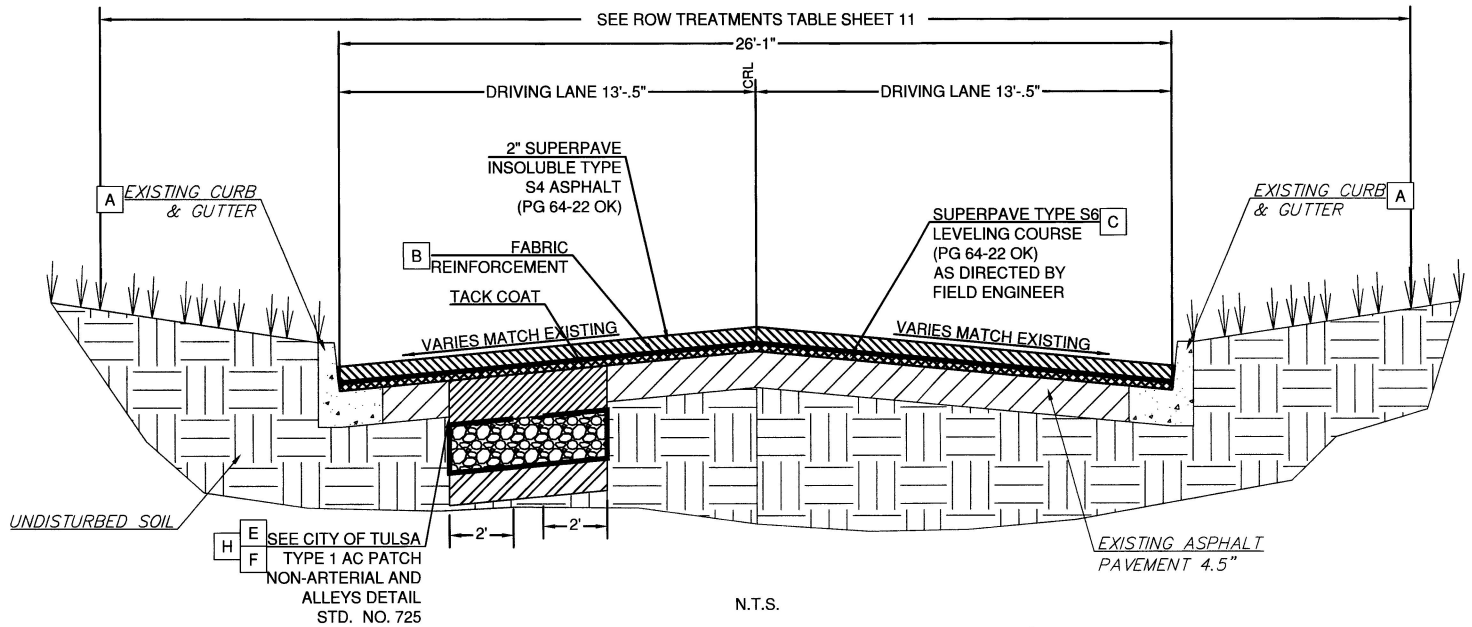
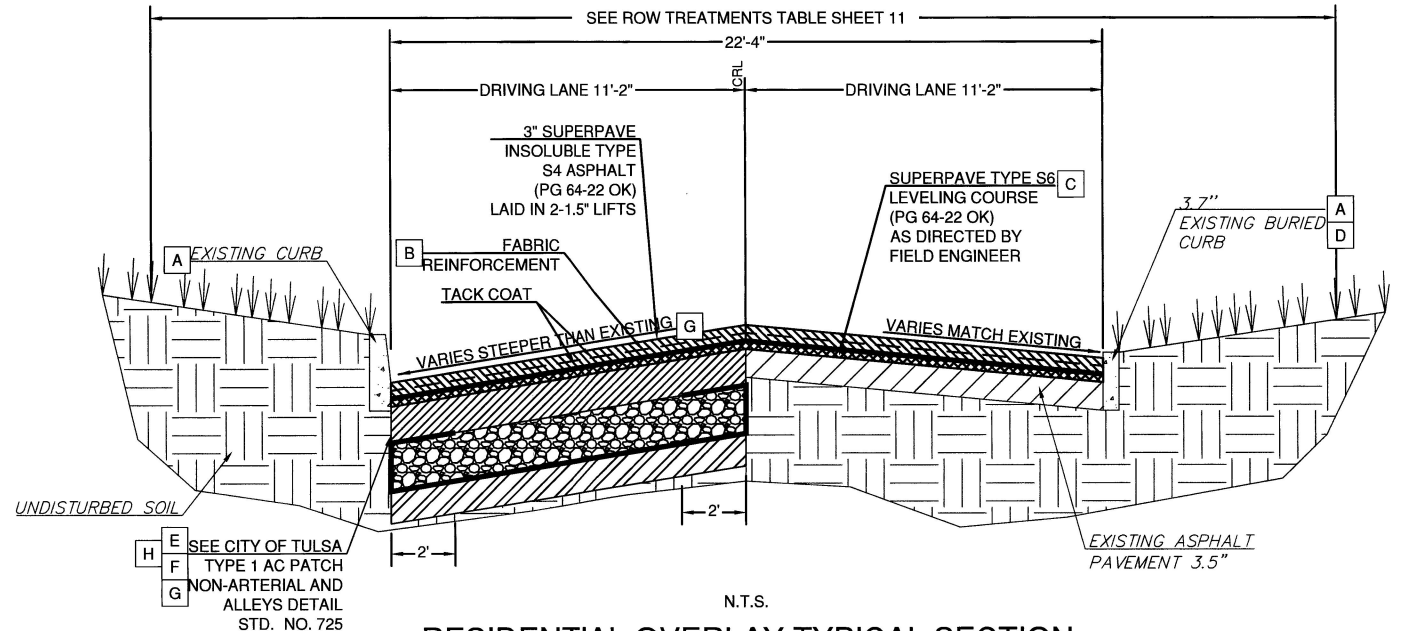


N.T.S.

8 RESIDENTIAL OVERLAY TYPICAL SECTION
AC WITH EXISTING EXPOSED CURB & GUTTER BOTH SIDES

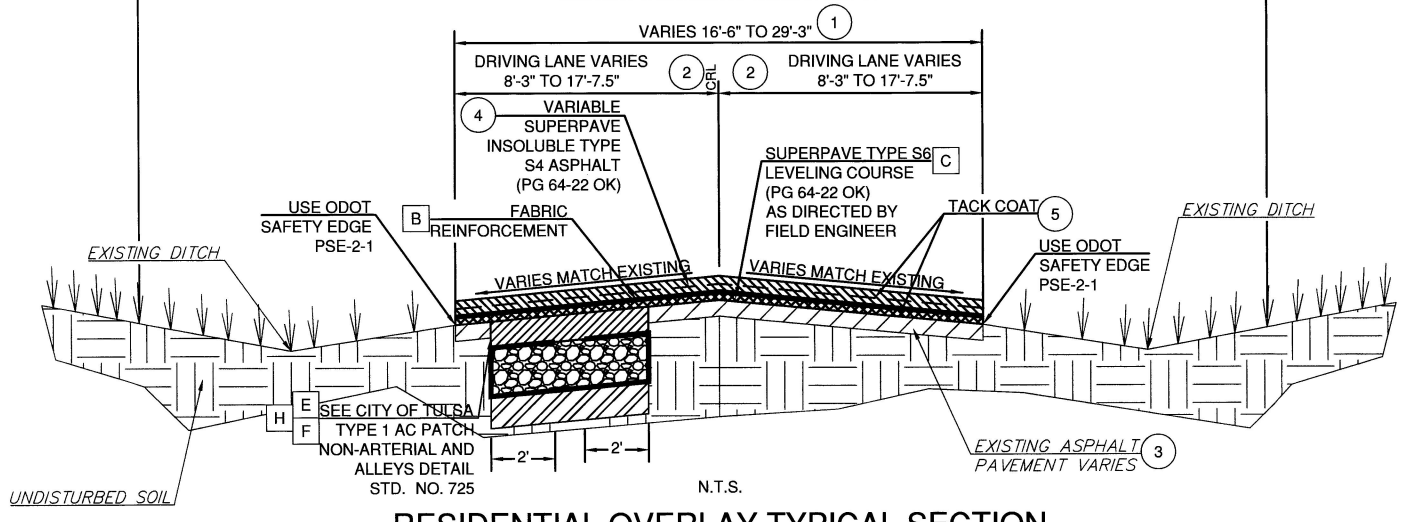
101+26.65 TO 106+00.02 (S BIRMINGHAM CT)



N.T.S.

9 RESIDENTIAL OVERLAY TYPICAL SECTION
AC WITH EXISTING EXPOSED CURB & GUTTER LT AND BURIED CURB RT

206+73.86 TO 208+57.48 (S COLUMBIA AVE)



N.T.S.

7 RESIDENTIAL OVERLAY TYPICAL SECTION
AC WITH EXISTING DITCH BOTH SIDES

209+27.03 TO 214+13.37 (S COLUMBIA AVE)
400+77.14 TO 406+50.00 (E 69TH ST)
406+50.00 TO 415+60.35 (E 69TH ST)
600+17.73 TO 605+15.87 (S GARY AVE)
700+12.44 TO 703+37.93 (S GARY AVE)
1000+30.30 TO 1007+13.78 (E 65TH ST)

TYPICAL 7 DETAILS

STREET	START STA	END STA	AVG FOC TO FOC STREET WIDTH	AVG LANE WIDTH LT & RT	EXISTING ASPHALT PAVEMENT THICKNESS	S4 ASPHLAT OVERLAY	# LIFTS	LIFT THICKNESSES AND MERATIAL	TACK COAT BETWEEN LIFTS	FINAL ASPHALT PAVEMENT THICKNESS
			FT-IN	FT-IN	IN	IN	EA	IN	Y/N	IN
			(1)	(2)	(3)	(4)	(4)	(4)	(5)	
S COLUMBIA AVE	209+27.03	214+13.37	22' - 0"	11' - 0"	4	2	1	2" S4	N	6
E 69TH ST	400+77.14	406+50	23' - 1"	11' - 7"	3	3	2	1.5" S4	Y	6
E 69TH ST	406+50	415+60.35	21' - 9"	10' - 10"	2	4	2	2" S4	Y	6
S GARY AVE	600+17.73	605+15.87	16' - 2"	8' - 1"	6	2	1	2" S4	N	8
S GARY AVE	700+12.44	703+37.93	16' - 6"	8' - 3"	4	2	1	2" S4	N	6
E 65TH ST	1000+30.30	1007+13.78	19' - 0"	9' - 6"	6	1.5	1	1.5" S4	N	7.5

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G MATCH EXISTING ELEVATION AT LEFT EDGE OF PAVEMENT AND FINISHED ELEVATION AT CENTER LINE.

H ENSURE SEPARATOR FABRIC WRAPS TO TOP OF AGG BASE AND OVERLAPS BY AT LEAST 2'

BEFORE YOU DIG ...
1-800-522-6543
CALL OKIE

PLOT DATE: 12/15/2023 10:22 AM, DRAWING NAME: COT 2056 DETAILS.DWG

NON ARTERIAL STREET MAINTENANCE

TYPICAL SECTIONS AND DETAILS (SHEET 3 OF 4)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
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Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

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	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	MRK	09/23
HORIZONTAL:	LEAD ENGR.		10/24
	FIELD MGR.		10/24
VERTICAL:	RECOMMENDED:		
	DESIGN MANAGER		11-24

APPROVED:

CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 DETAILS
DRAWING:
DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563
SHEET 09 OF 44 SHEETS

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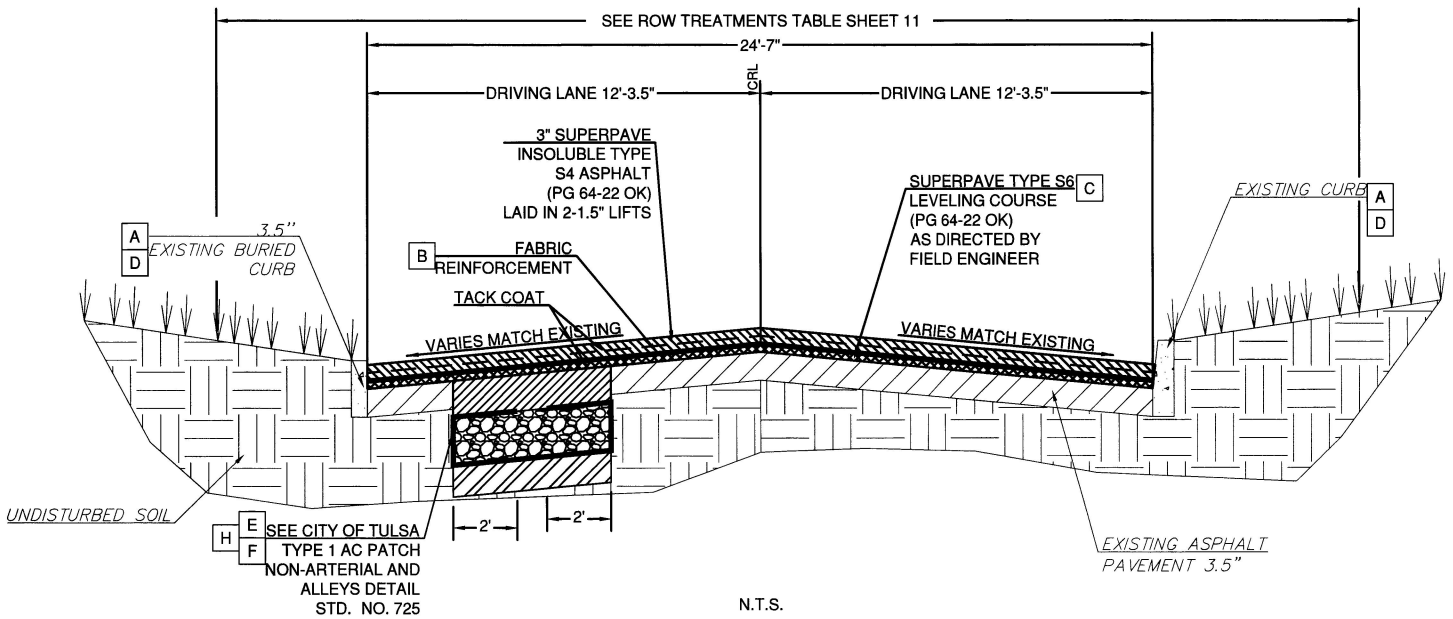
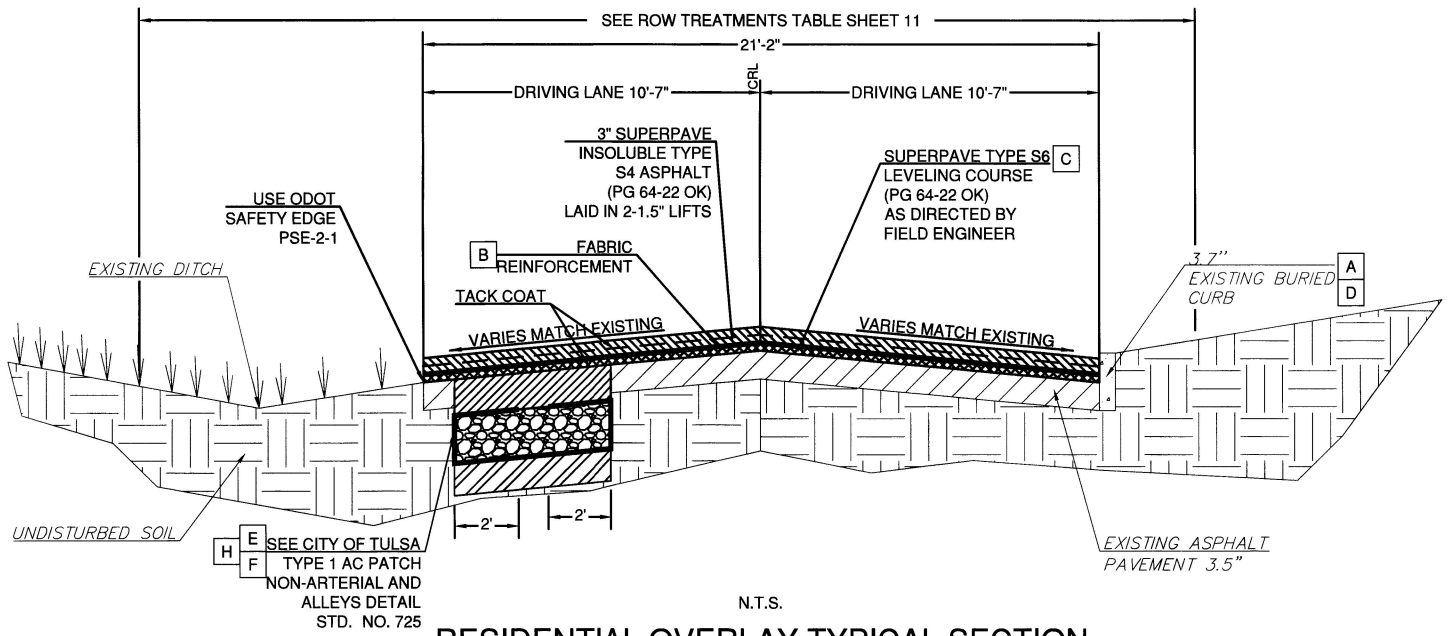


N.T.S.

10 RESIDENTIAL OVERLAY TYPICAL SECTION
AC WITH EXISTING BURIED CURB LT AND EXPOSED CURB & GUTTER RT

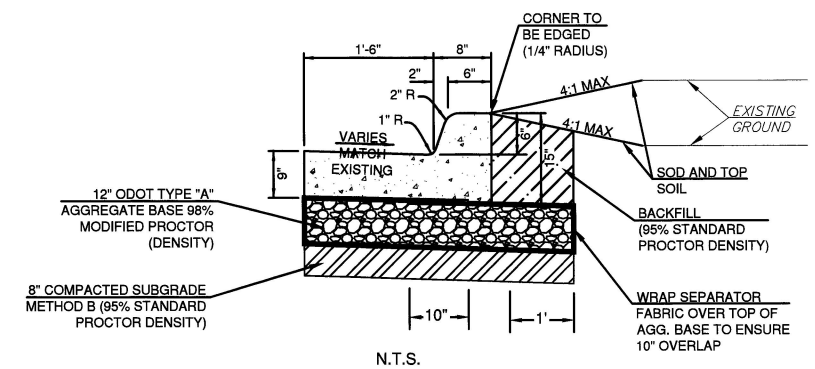
208+57.48 TO 209+27.03 (S COLUMBIA AVE)



N.T.S.

11 RESIDENTIAL OVERLAY TYPICAL SECTION
AC WITH EXISTING DITCH LT AND EXISTING BURIED CURB RT

202+46.83 TO 206+73.86 (S COLUMBIA AVE)

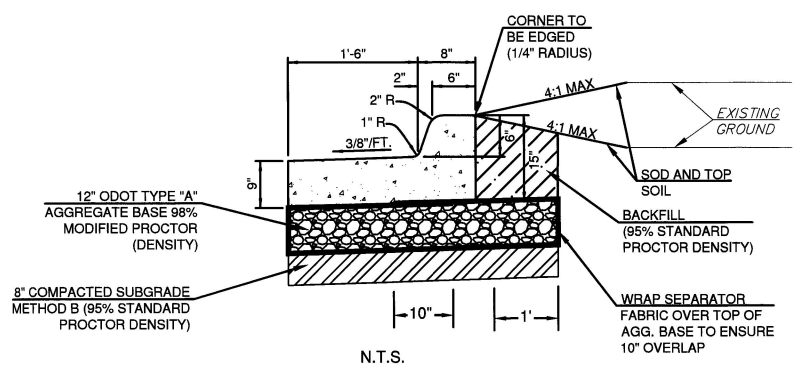


N.T.S.

12 STD. COMBINED 6" CURB & GUTTER

A

800+86.26 - 800+99.64, RIGHT SIDE (S GARY AVE)
801+00.94 - 801+38.32, LEFT SIDE (S GARY AVE)
801+36.58 - 801+76.85, RIGHT SIDE (S GARY AVE)
802+49.63 - 803+02.05, RIGHT SIDE (S GARY AVE)

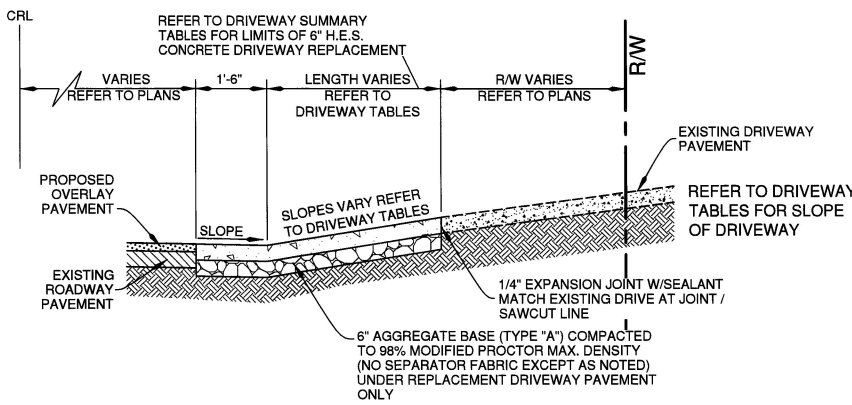


N.T.S.

13 STD. COMBINED 6" CURB W/ FALL-AWAY GUTTER

A

NOT USED



N.T.S.

14 TYPICAL CONCRETE DRIVEWAY SECTION (6" - H.E.S.)

(REFER TO DRIVEWAY TABLE FOR STATIONS)

NOTES:

A CURB & GUTTER SHALL BE REPLACED AS SHOWN ON PLANS. IF CONTRACTOR DISTURBS EXISTING CURB & GUTTER NOT SCHEDULED TO BE REPLACED, IT SHALL BE REPLACED AT THEIR EXPENSE. NO ADDITIONAL PAYMENT SHALL BE MADE.

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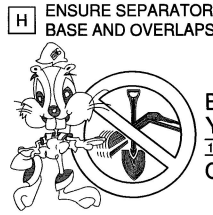

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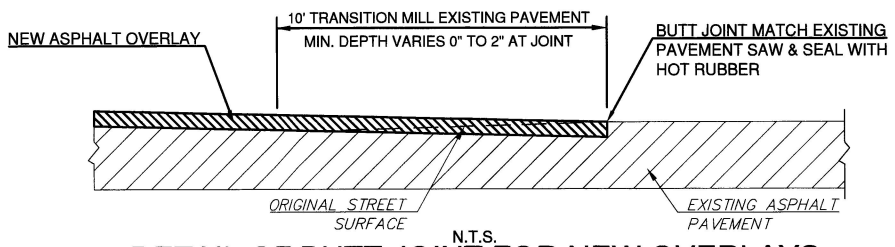
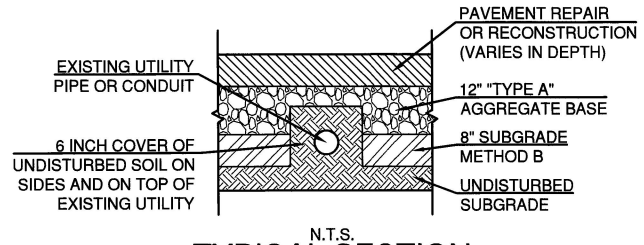


N.T.S.

15 DETAIL OF BUTT JOINT FOR NEW OVERLAYS WITHOUT EDGE OR FULL MILL

SEE TYPICAL SECTIONS 7, 8, 9, 10, & 11



N.T.S.

16 TYPICAL SECTION
PROTECT IN PLACE EXISTING UTILITY LINE

STA: 208+53.41, OFF: 0' - STA: 208+67.39, OFF: 22.00' RT ;
STA: 800+67.06, OFF: 17.25' RT - STA: 800+71.12, OFF: 30.10' RT

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

TYPICAL SECTIONS AND DETAILS (SHEET 4 OF 4)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
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HORIZONTAL:	LEAD ENGR.		10/24
	FIELD MGR.		10/24
VERTICAL:	RECOMMENDED:	HAS	11.24
	DESIGN MANAGER:		

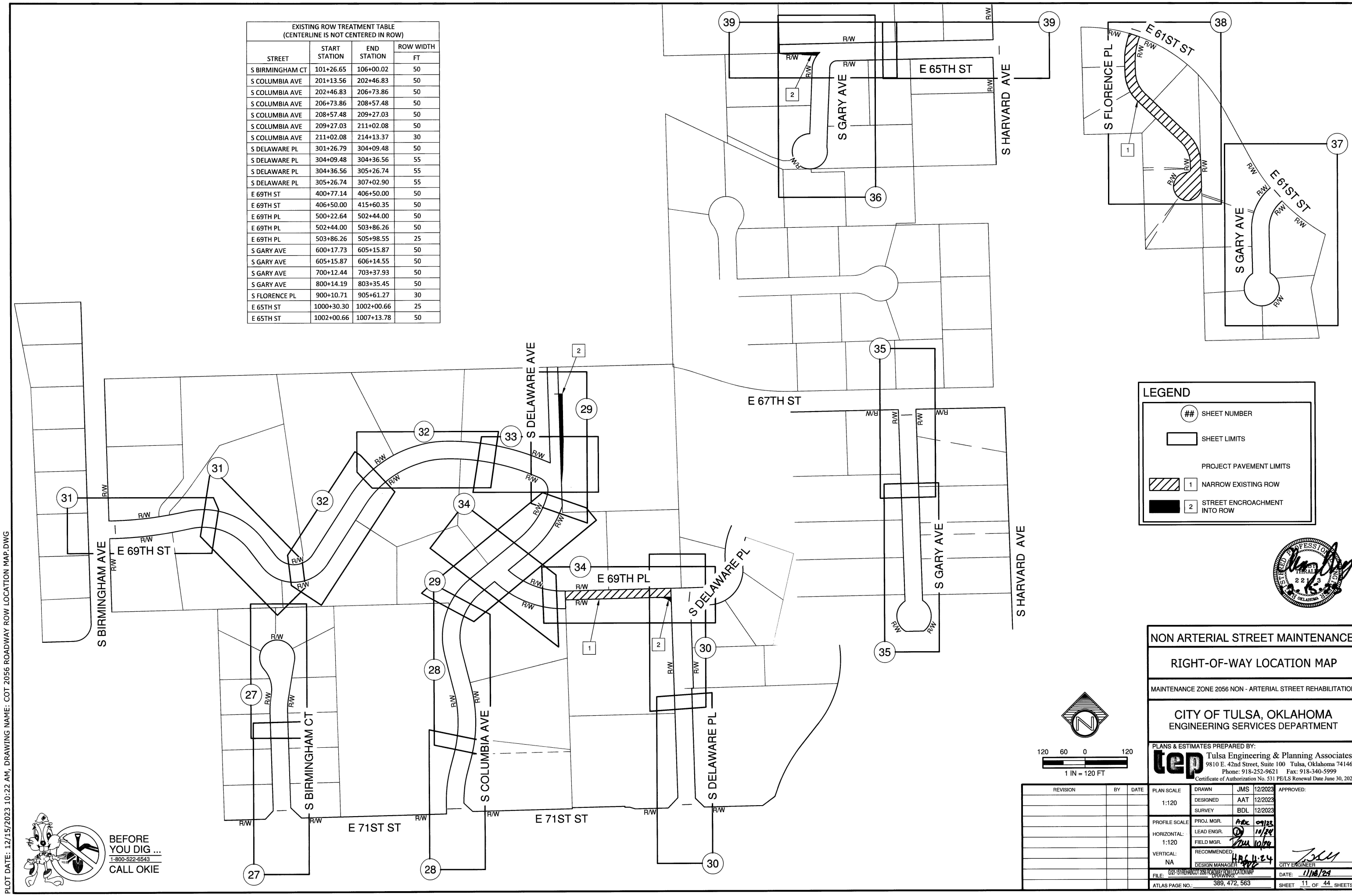
APPROVED:
CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 DETAILS\DRAWING:
DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563
SHEET 10 OF 44 SHEETS

PLOT DATE: 12/29/2023 12:10 PM, DRAWING NAME: COT 2056 DETAILS.DWG

G:\21-151\Rehab\COT 2056 Details.dwg, 12/29/2023 - 12:10 PM

EXISTING ROW TREATMENT TABLE (CENTERLINE IS NOT CENTERED IN ROW)			
STREET	START STATION	END STATION	ROW WIDTH FT
S BIRMINGHAM CT	101+26.65	106+00.02	50
S COLUMBIA AVE	201+13.56	202+46.83	50
S COLUMBIA AVE	202+46.83	206+73.86	50
S COLUMBIA AVE	206+73.86	208+57.48	50
S COLUMBIA AVE	208+57.48	209+27.03	50
S COLUMBIA AVE	209+27.03	211+02.08	50
S COLUMBIA AVE	211+02.08	214+13.37	30
S DELAWARE PL	301+26.79	304+09.48	50
S DELAWARE PL	304+09.48	304+36.56	55
S DELAWARE PL	304+36.56	305+26.74	55
S DELAWARE PL	305+26.74	307+02.90	55
E 69TH ST	400+77.14	406+50.00	50
E 69TH ST	406+50.00	415+60.35	50
E 69TH PL	500+22.64	502+44.00	50
E 69TH PL	502+44.00	503+86.26	50
E 69TH PL	503+86.26	505+98.55	25
S GARY AVE	600+17.73	605+15.87	50
S GARY AVE	605+15.87	606+14.55	50
S GARY AVE	700+12.44	703+37.93	50
S GARY AVE	800+14.19	803+35.45	50
S FLORENCE PL	900+10.71	905+61.27	30
E 65TH ST	1000+30.30	1002+00.66	25
E 65TH ST	1002+00.66	1007+13.78	50



LEGEND

- ## SHEET NUMBER
- SHEET LIMITS
- PROJECT PAVEMENT LIMITS
- 1 NARROW EXISTING ROW
- 2 STREET ENCROACHMENT INTO ROW

120 60 0 120

1 IN = 120 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

NON ARTERIAL STREET MAINTENANCE

RIGHT-OF-WAY LOCATION MAP

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE 1:120	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.		09/23
HORIZONTAL: 1:120	LEAD ENGR.		10/24
	FIELD MGR.		10/24
VERTICAL: NA	RECOMMENDED DESIGN MANAGER		11-6-24

APPROVED: CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 ROADWAY ROW LOCATION MAP.DWG
DRAWINGS:
ATLAS PAGE NO.: 389, 472, 563
DATE: 11/6/24
SHEET 11 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:22 AM, DRAWING NAME: COT 2056 ROADWAY ROW LOCATION MAP.DWG

G:\21-151\Rehab\COT 2056 ROADWAY ROW LOCATION MAP.dwg, 12/15/2023 - 10:22 AM

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

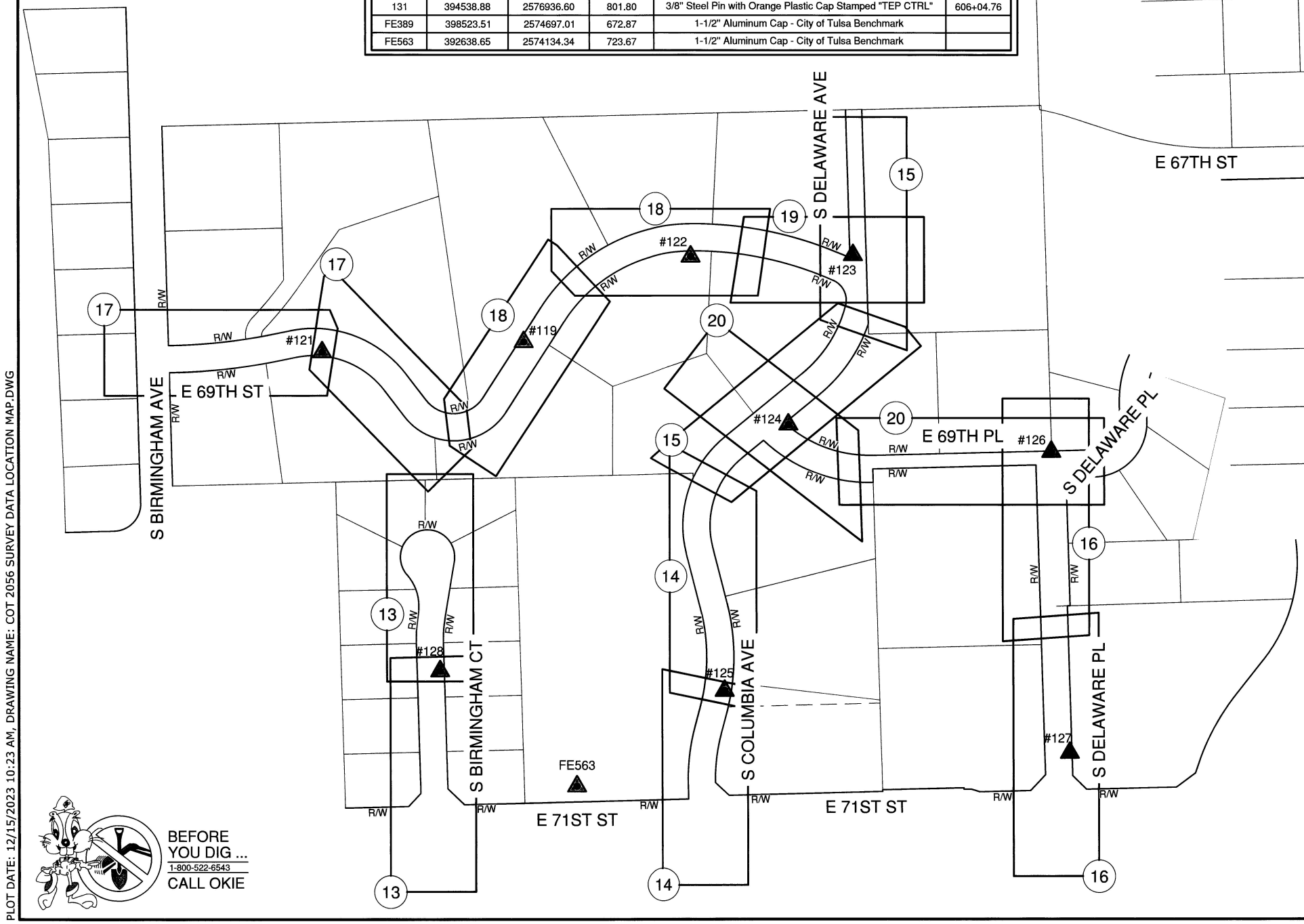
CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
101	398474.72	2576377.87	697.43	5/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	905+60.39
103	397978.09	2576733.41	709.72	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	802+90.63
111	395544.95	2576715.21	773.57	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	702+99.10
119	393455.46	2574037.33	702.26	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	408+55.45
121	393436.58	2573665.15	703.19	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	403+48.06
122	393612.09	2574348.60	728.45	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	412+33.74
123	393614.82	2574647.38	751.46	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	212+22.24
124	393303.44	2574527.70	767.58	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	500+57.99
125	392814.00	2574409.77	744.88	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	203+03.93
126	393253.16	2575012.95	783.64	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	505+72.33
127	392699.48	2575046.09	763.16	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	301+67.10
128	392850.45	2573882.08	719.02	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	103+46.62
129	395614.70	2577211.16	792.99	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	1006+96.49
130	394191.40	2576951.40	796.75	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	602+57.30
131	394538.88	2576936.60	801.80	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	606+04.76
FE389	398523.51	2574697.01	672.87	1-1/2" Aluminum Cap - City of Tulsa Benchmark	
FE563	392638.65	2574134.34	723.67	1-1/2" Aluminum Cap - City of Tulsa Benchmark	



LEGEND

- ## SHEET NUMBER
- SHEET LIMITS
- #101 ▲ CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

OKLAHOMA PROFESSIONAL ENGINEER — BOBBY D. LONG — 14695 — CERTIFICATE OF AUTHORIZATION — 531 PE/LS — 12-15-23

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

120 60 0 120
1 IN = 120 FT

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA LOCATION MAP

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:120	DRAWN	JMS	12/2023	APPROVED:
	DESIGNED	AAT	12/2023	
	SURVEY	BDL	12/2023	
PROFILE SCALE	PROJ. MGR.	ARK	07/25	
HORIZONTAL: 1:120	LEAD ENGR.		10/24	
	FIELD MGR.		10/24	
VERTICAL: NA	RECOMMENDED DESIGN MANAGER	ARK	11-24	CITY ENGINEER
FILE: G:\21-151\Rehab\COT 2056 SURVEY DATA LOCATION MAP.dwg	DRAWING			DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563				SHEET 12 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:23 AM, DRAWING NAME: COT 2056 SURVEY DATA LOCATION MAP.DWG

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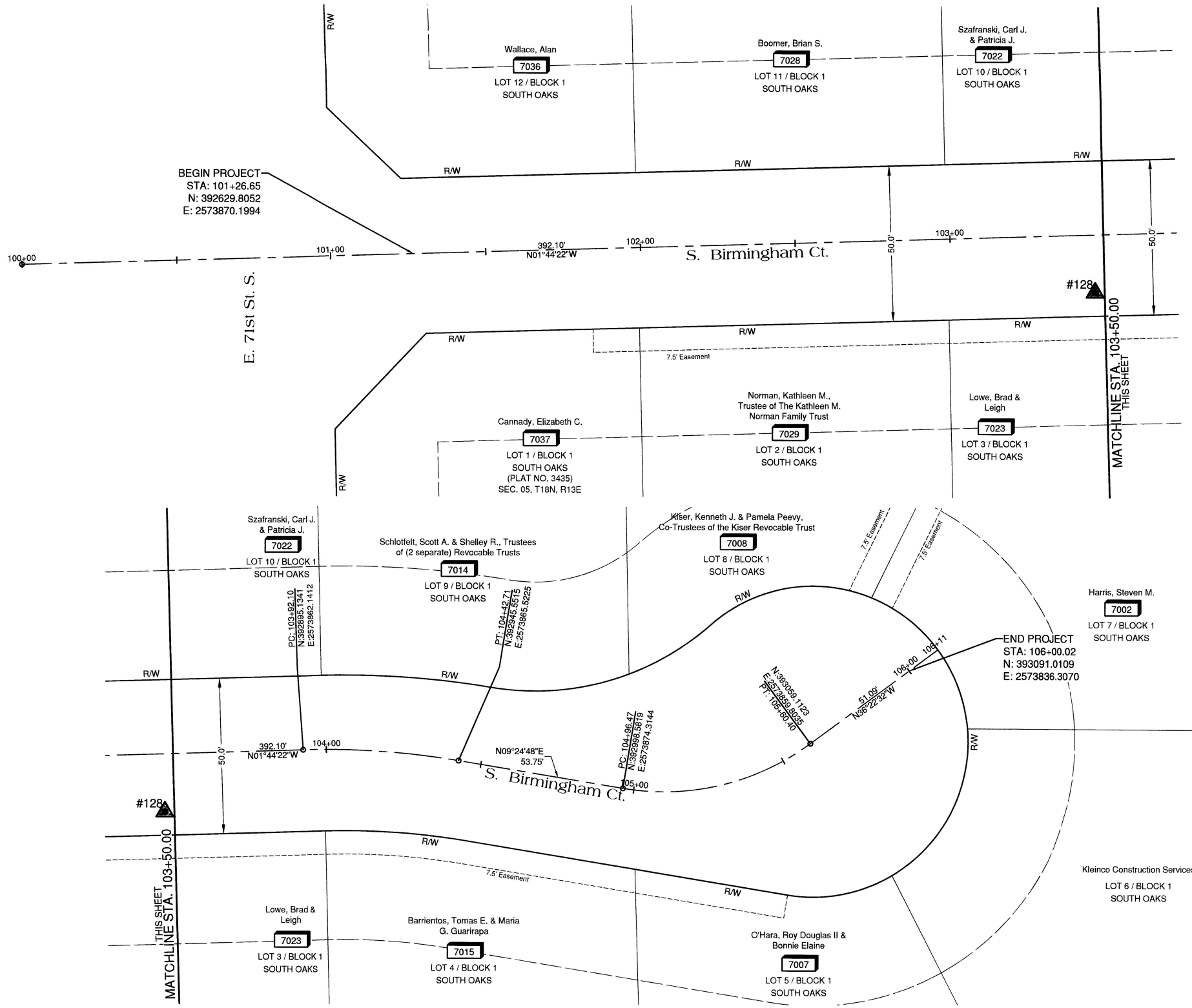

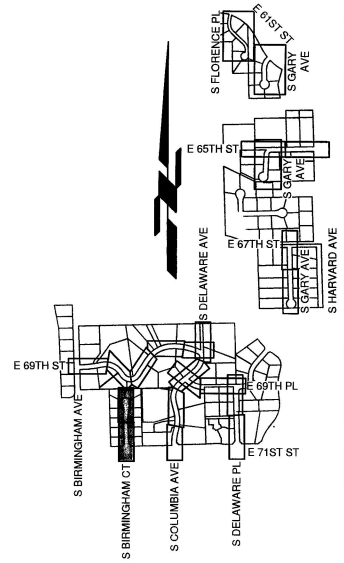

LEGEND

1113 ADDRESS LABEL

#101 ▲ CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

BOBBY D. LONG — OKLAHOMA — 1760 — PROFESSIONAL LAND SURVEYOR — 12-15-23

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
128	392850.45	2573882.08	719.02	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	103+46.62

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

20 10 0 20

1 IN = 20 FT

REVISION	BY	DATE

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	AAT	12/23
HORIZONTAL: 1:20	LEAD ENGR.	BDL	12/01/24
VERTICAL: NA	FIELD MGR.	BDL	12/24
	RECOMMENDED: DESIGN MANAGER	HAC	11-24

APPROVED: CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 0100 S BIRMINGHAM CT DRAWINGS

DATE: 11/18/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 13 OF 44 SHEETS

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET S BIRMINGHAM CT (SHEET 1 OF 1)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

PLOT DATE: 12/15/2023 10:23 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 0100 S BIRMINGHAM CT.DWG

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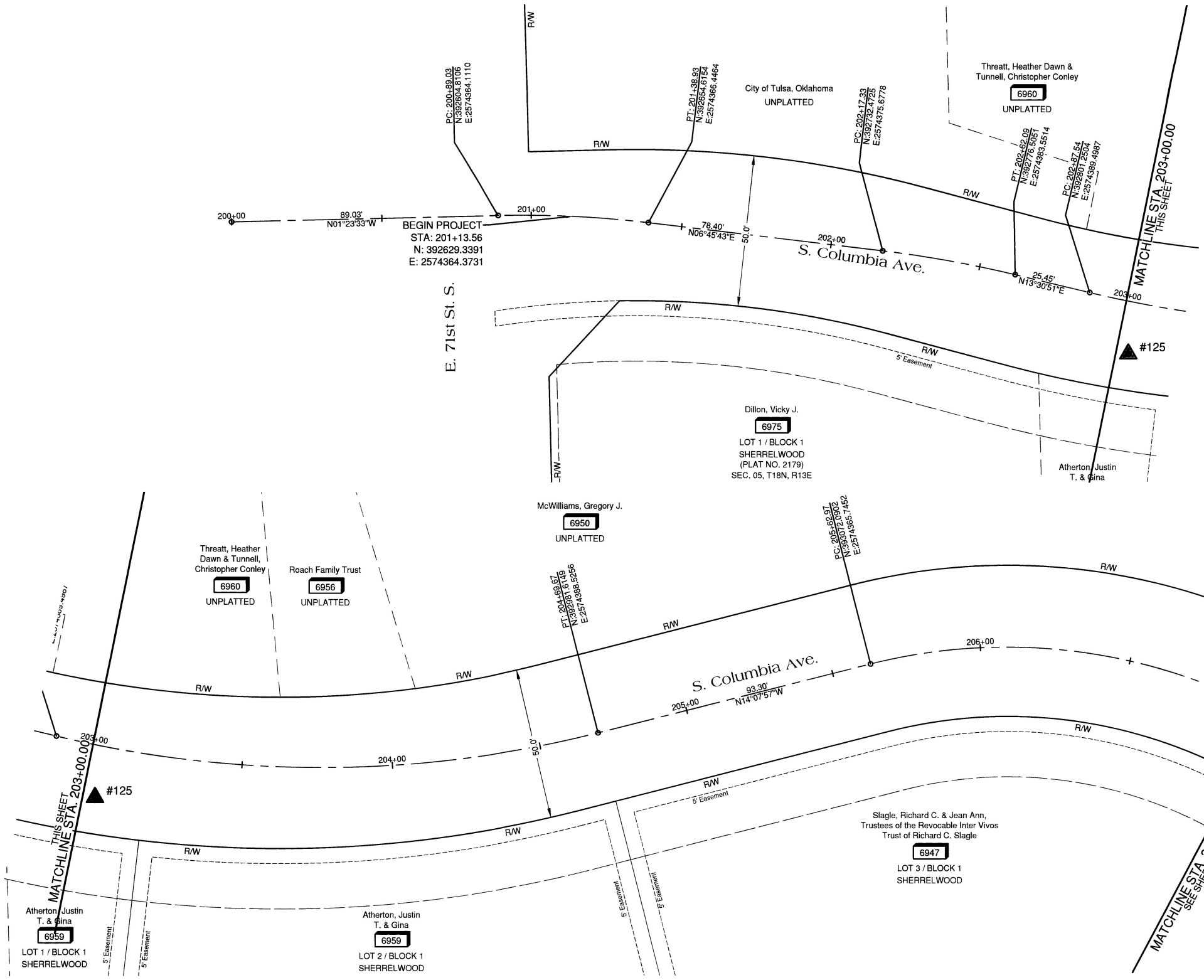

LEGEND

- 1113 — ADDRESS LABEL
- #101 ▲ — CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

BOBBY D. LONG 1066 — OKLAHOMA PROFESSIONAL LAND SURVEYOR

12-15-23

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
125	392814.00	2574409.77	744.88	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	203+03.93

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

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20 10 0 20
1 IN = 20 FT

REVISION	BY	DATE

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET S COLUMBIA AVE (SHEET 1 OF 2)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE HORIZONTAL: 1:20 VERTICAL: NA	PROJ. MGR.	ARR	09/23
	LEAD ENGR.	DJ	10/24
	FIELD MGR.	BDL	10/23
	RECOMMENDED: DESIGN MANAGER	HHS	11-24

APPROVED: CITY ENGINEER

FILE: G:\21-151\REHAB\COT 2056 SURVEY DATA SHEET 0200 S COLUMBIA AVE DRAWINGS

DATE: 11/16/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 14 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:23 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 0200 S COLUMBIA AVE.DWG

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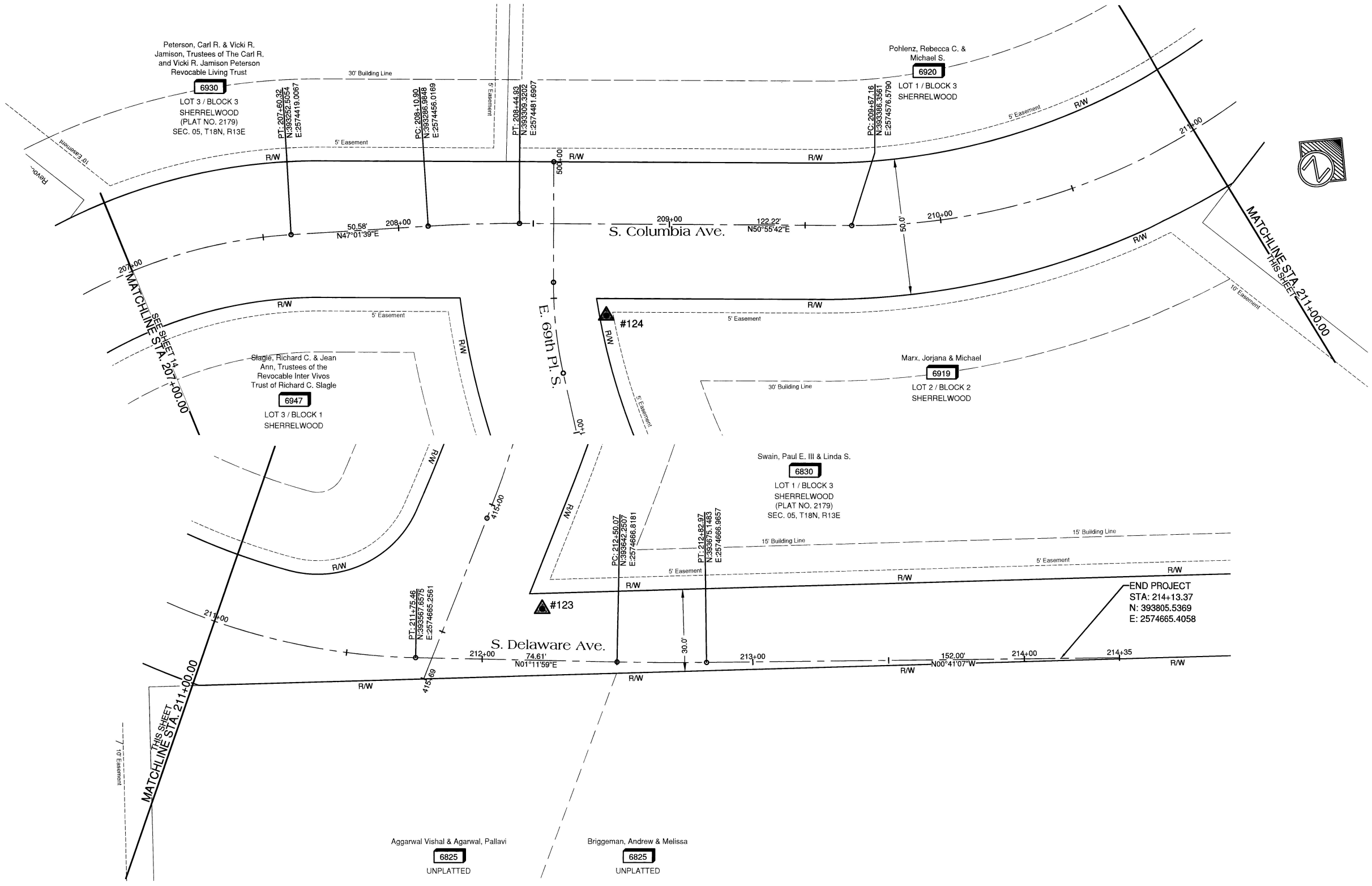

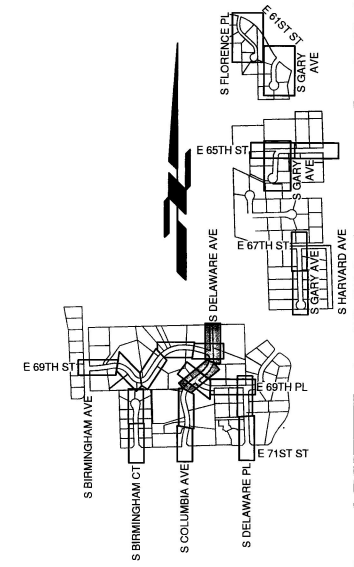

LEGEND

1113	ADDRESS LABEL
#101 ▲	CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

BOBBY D. LONG 1866 PROFESSIONAL LAND SURVEYOR OKLAHOMA

12-15-23

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
123	393614.82	2574647.38	751.46	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	212+22.24
124	393303.44	2574527.70	767.58	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	500+57.99

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

20 10 0 20

1 IN = 20 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET S COLUMBIA AVE (SHEET 2 OF 2)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:

Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023	APPROVED:
	DESIGNED	AAT	12/2023	
	SURVEY	BDL	12/2023	
PROFILE SCALE HORIZONTAL: 1:20 VERTICAL: NA	PROJ. MGR.	AAT	09/23	
	LEAD ENGR.		10/24	
	FIELD MGR.		10/24	
	RECOMMENDED: DESIGN MANAGER		11-24	CITY ENGINEER
FILE: G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 0200 S COLUMBIA AVE DRAWINGS				DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563				SHEET 15 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:23 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 0200 S COLUMBIA AVE.DWG

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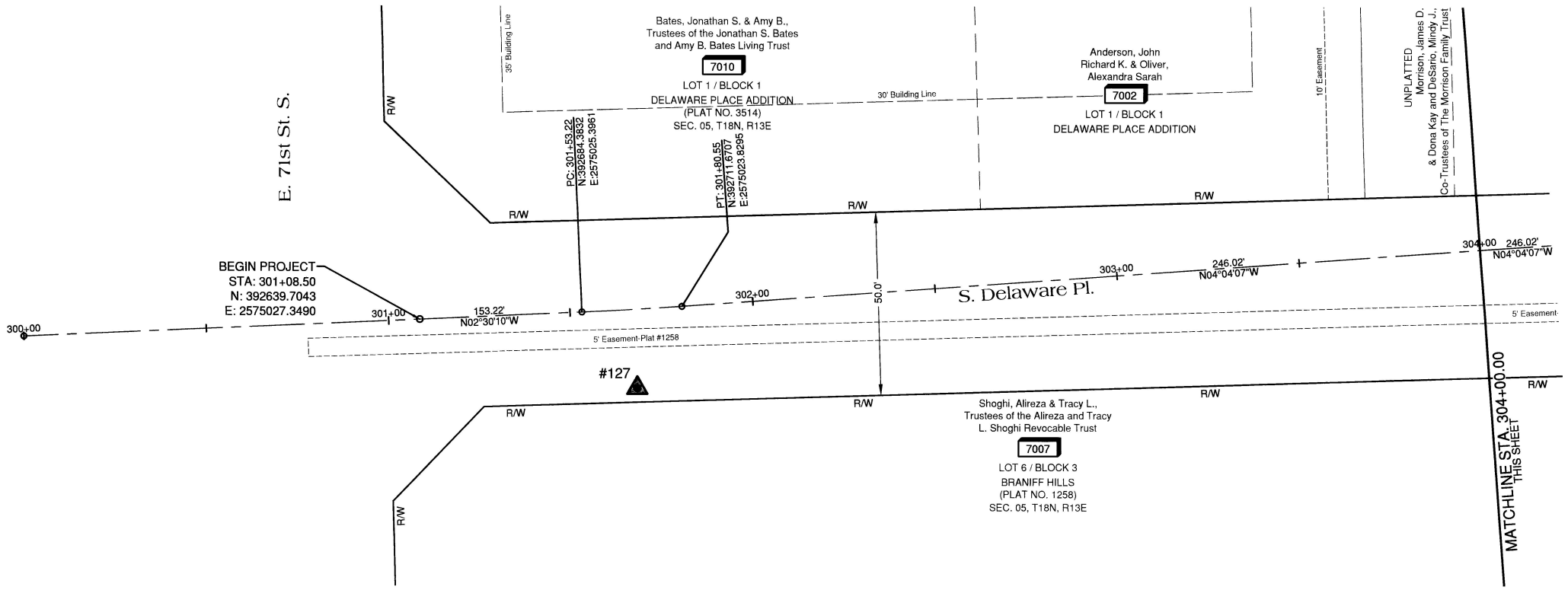

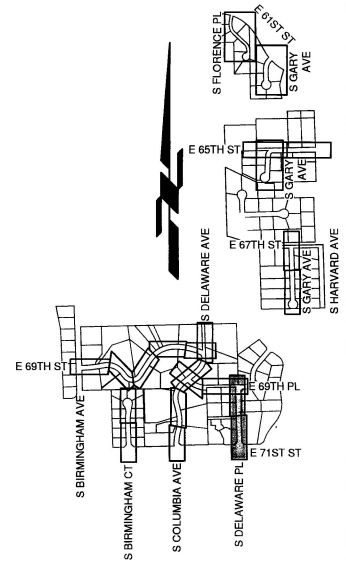

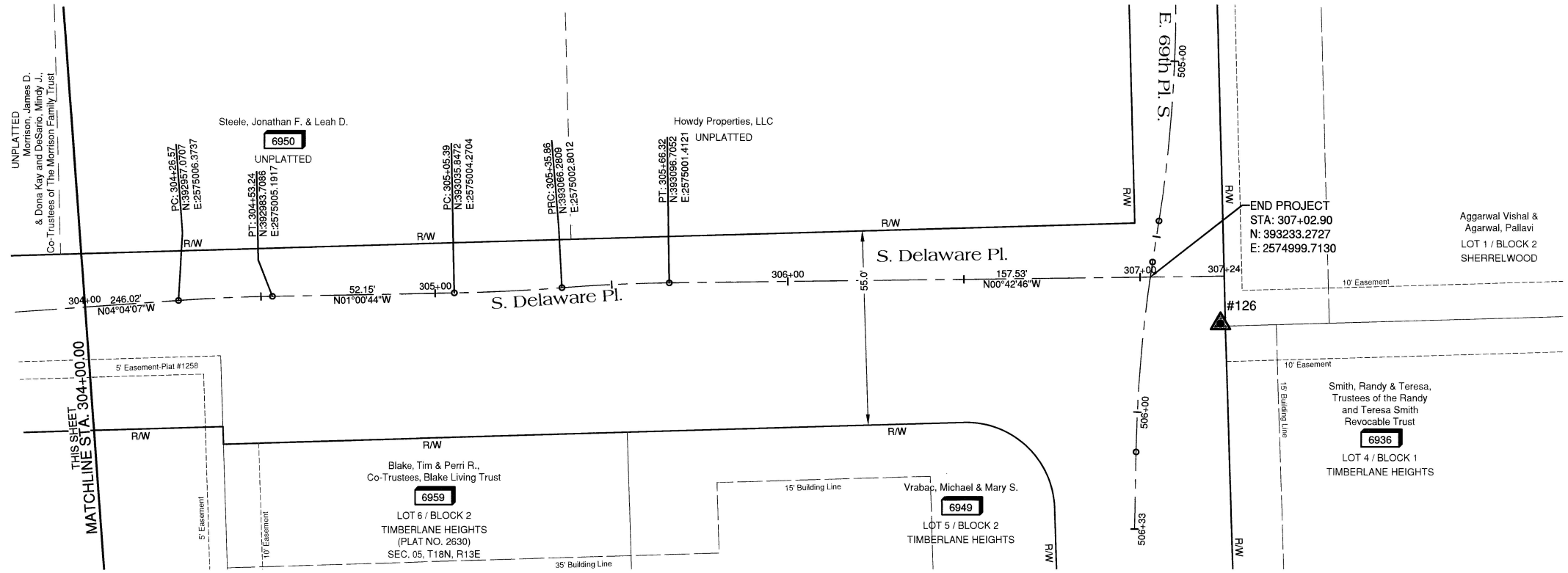

LEGEND

1113 ADDRESS LABEL

#101 ▲ CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

OKLAHOMA PROFESSIONAL LAND SURVEYOR BOBBY D. LONG 1666 — 12-15-23

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
126	393253.16	2575012.95	783.64	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	505+72.33
127	392699.48	2575046.09	763.16	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	301+67.10

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

20 10 0 20

1 IN = 20 FT

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET S DELAWARE PL (SHEET 1 OF 1)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.		
HORIZONTAL: 1:20	LEAD ENGR.		10/24
	FIELD MGR.		10/24
VERTICAL: NA	RECOMMENDED: DESIGN MANAGER		11-24

APPROVED: CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 0300 S DELAWARE PL DRAWING:

DATE: 11/18/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 16 OF 44 SHEETS

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

PLOT DATE: 12/15/2023 10:24 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 0300 S DELAWARE PL.DWG

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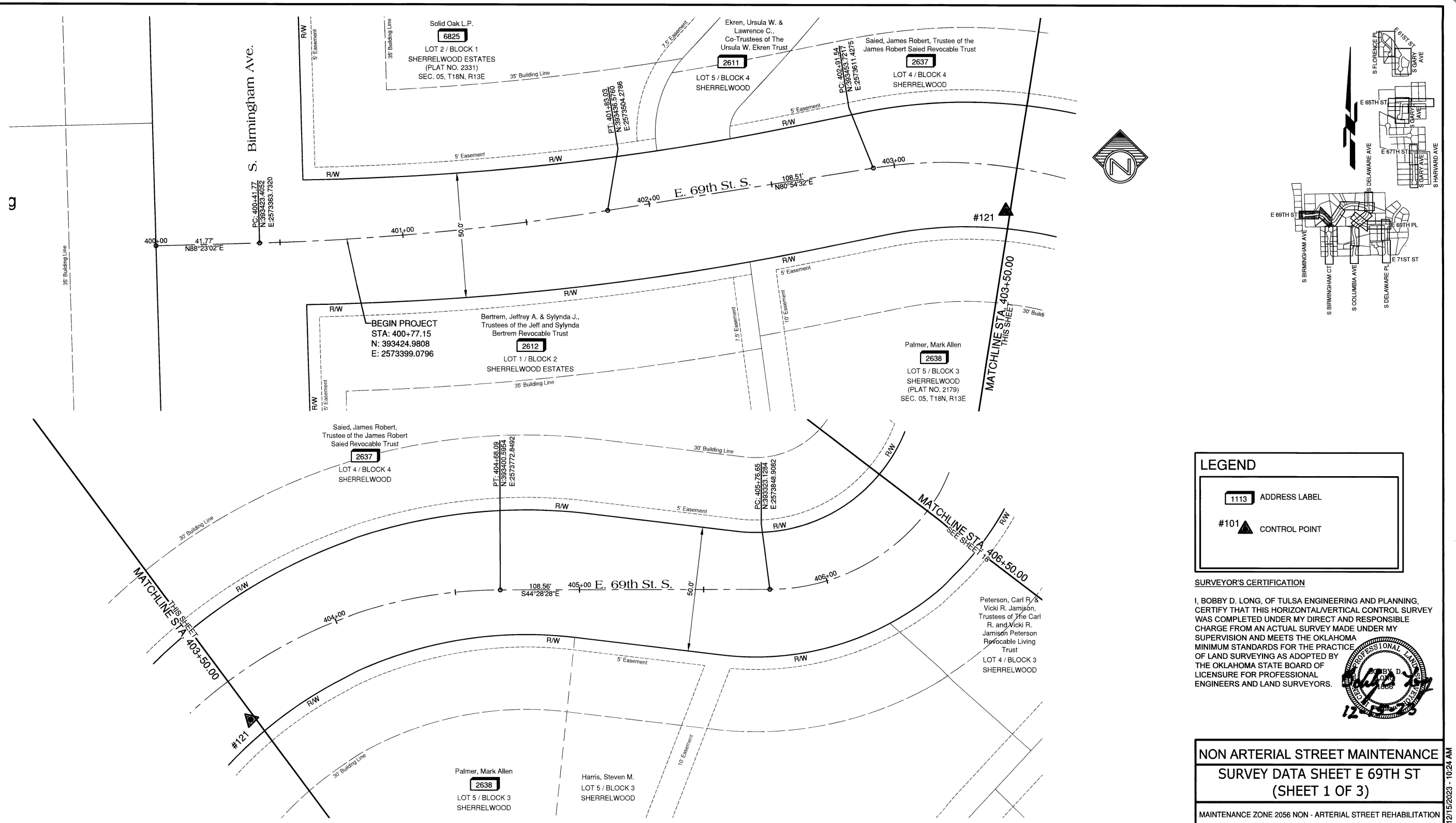


LEGEND

1113 ADDRESS LABEL

#101 ▲ CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

BOBBY D. LONG 1068 — OKLAHOMA — PROFESSIONAL LAND SURVEYOR — 12-15-23

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
121	393436.58	2573665.15	703.19	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	403+48.06

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

20 10 0 20

1 IN = 20 FT

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET E 69TH ST (SHEET 1 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	ARK	01/24
HORIZONTAL: 1:20	LEAD ENGR.		10/24
	FIELD MGR.		10/24
VERTICAL: NA	RECOMMENDED: DESIGN MANAGER	HAS	11-24

APPROVED: CITY ENGINEER

FILE: G:\21-151\REHAB\COT 2056 SURVEY DATA 0400 E 69TH ST DRAWINGS

DATE: 12/18/23

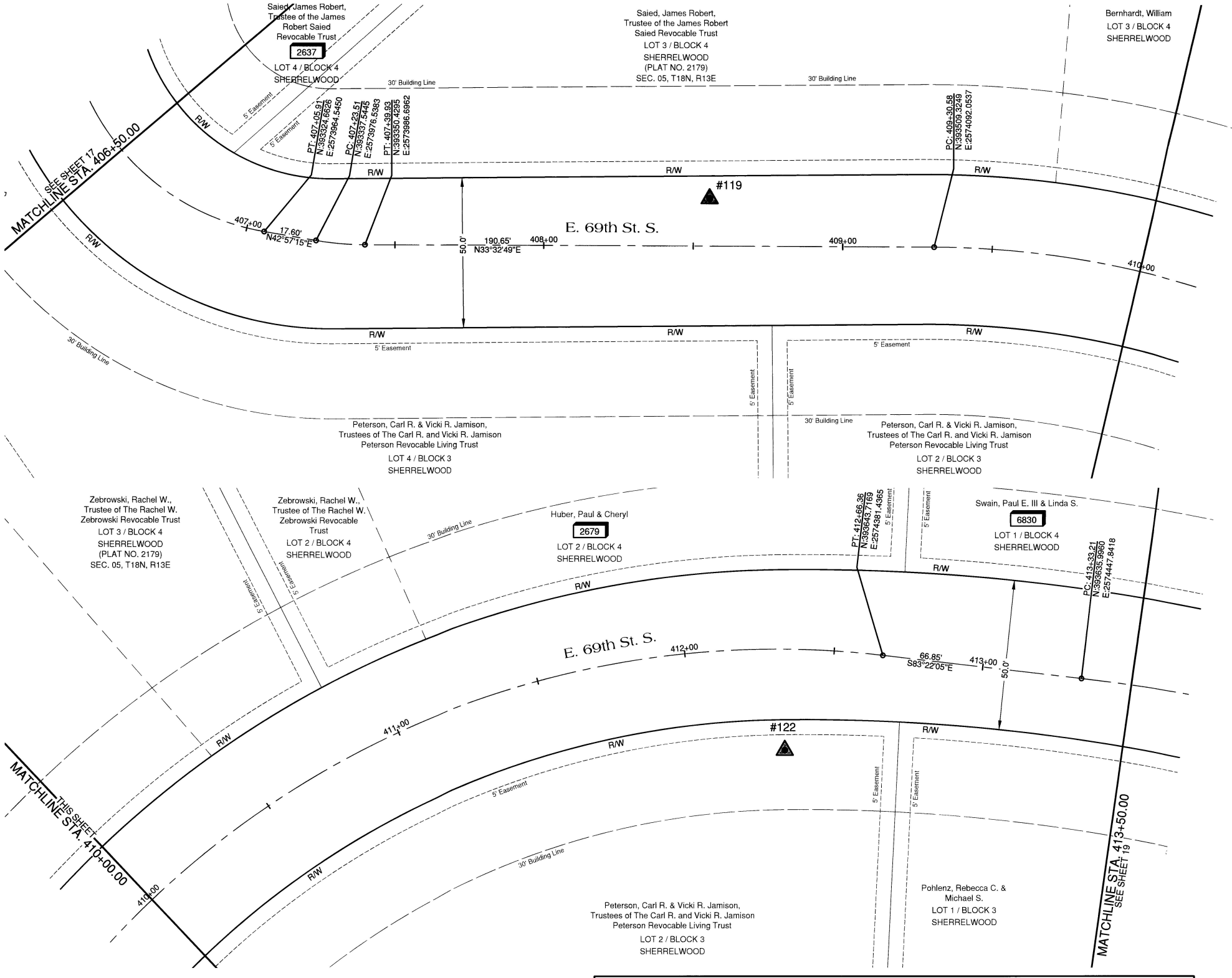
ATLAS PAGE NO.: 389, 472, 563

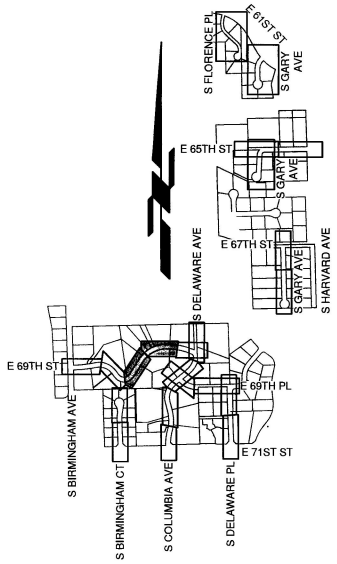
SHEET 17 OF 44 SHEETS

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

PLOT DATE: 12/15/2023 10:24 AM, DRAWING NAME: COT 2056 SURVEY DATA 0400 E 69TH ST.DWG

G:\21-151\Rehab\COT 2056 SURVEY DATA 0400 E 69TH ST.dwg, 12/15/2023 - 10:24 AM





SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
119	393455.46	2574037.33	702.26	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	408+55.45
122	393612.09	2574348.60	728.45	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	412+33.74

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

LEGEND

1113 ADDRESS LABEL

#101▲ CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

OKLAHOMA PROFESSIONAL LAND SURVEYOR BOBBY D. LONG 1666

12-18-23

20 10 0 20
1 IN = 20 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET E 69TH ST (SHEET 2 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
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9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023	APPROVED:
	DESIGNED	AAT	12/2023	
	SURVEY	BDL	12/2023	
PROFILE SCALE	PROJ. MGR.	ARK	09/24	
HORIZONTAL: 1:20	LEAD ENGR.		10/24	
	FIELD MGR.		10/24	
VERTICAL: NA	RECOMMENDED DESIGN MANAGER		11-24	CITY ENGINEER
FILE: G:\21-151\Rehab\COT 2056 SURVEY DATA 0400 E 69TH ST				DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563				SHEET 18 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:24 AM, DRAWING NAME: COT 2056 SURVEY DATA 0400 E 69TH ST.DWG

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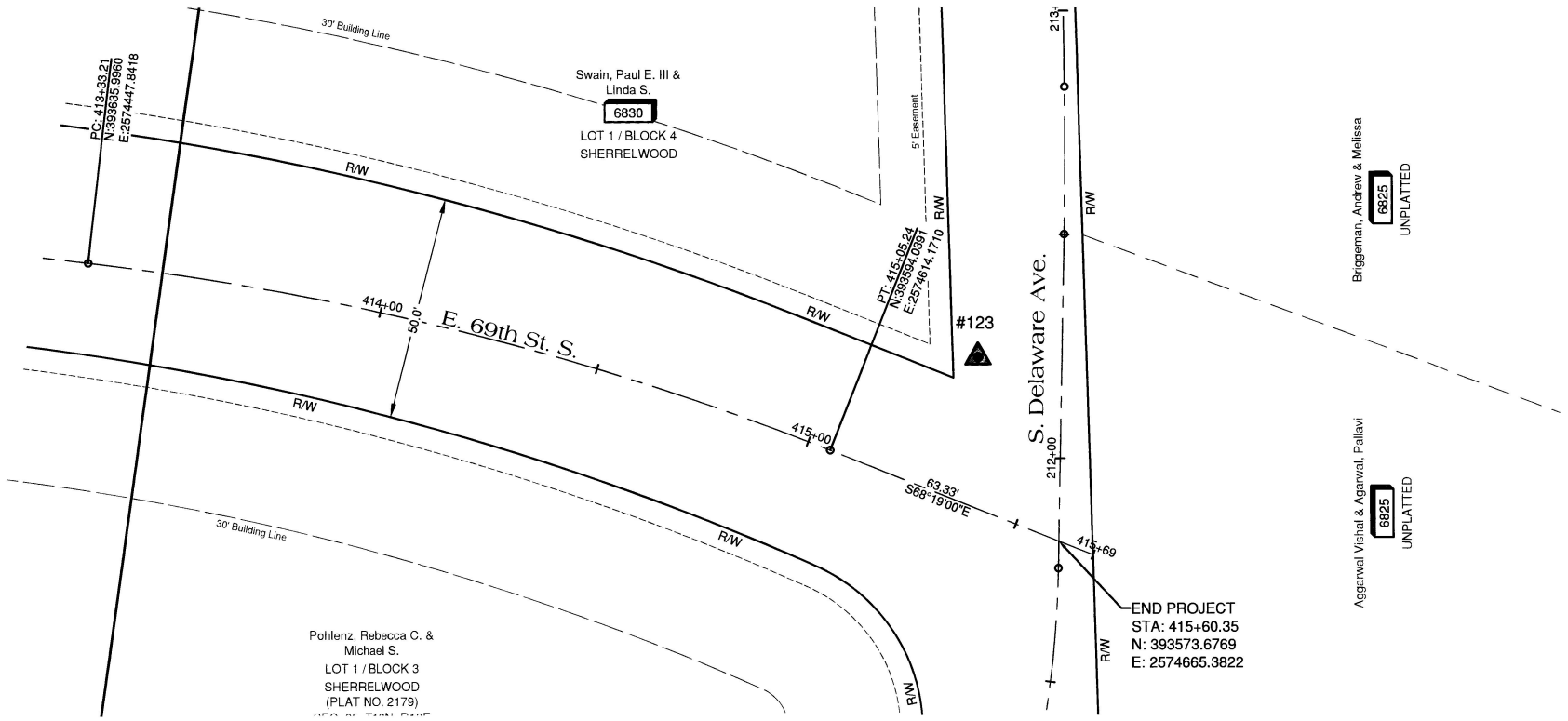

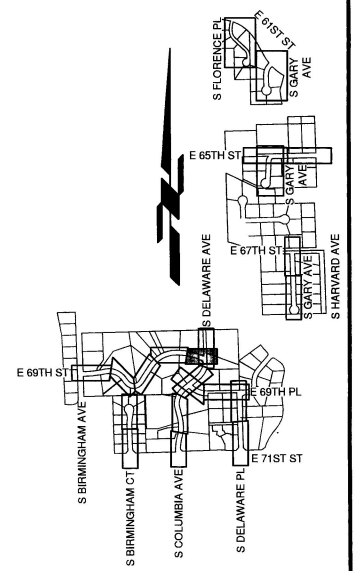

LEGEND

1113 ADDRESS LABEL

#101 CONTROL POINT

SURVEYOR'S CERTIFICATION

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BOBBY D. LONG 1468 PROFESSIONAL LAND SURVEYOR OKLAHOMA

12-15-23

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
123	393614.82	2574647.38	751.46	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	212+22.24

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

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VERTICAL CONTROL

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20 10 0 20

1 IN = 20 FT

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET E 69TH ST
(SHEET 3 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
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Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	ARK	09/25
HORIZONTAL: 1:20	LEAD ENGR.		10/24
	FIELD MGR.		10/24
VERTICAL: NA	RECOMMENDED DESIGN MANAGER		11/24

APPROVED:

CITY ENGINEER

FILE: C:\21-151\Reh\COT 2056 SURVEY DATA\0400 E 69TH ST DRAWING

DATE: 11/18/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 19 OF 44 SHEETS

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

PLOT DATE: 12/15/2023 10:24 AM, DRAWING NAME: COT 2056 SURVEY DATA 0400 E 69TH ST.DWG

G:\21-151\Rehab\COT 2056 SURVEY DATA 0400 E 69TH ST.dwg, 12/15/2023 - 10:24 AM

Pohlenz, Rebecca C. & Michael S.
6830
LOT 1 / BLOCK 3
SHERRELWOOD
(PLAT NO. 2179)
SEC. 05, T18N, R13E

Peterson, Carl R. & Vicki R. Jamison, Trustees of The Carl R. and Vicki R. Jamison Peterson Revocable Living Trust
6930
LOT 3 / BLOCK 3
SHERRELWOOD

Slagle, Richard C. & Jean Ann, Trustees of the Revocable Inter Vivos Trust of Richard C. Slagle
6947
LOT 3 / BLOCK 1
SHERRELWOOD

Marx, Jorjana & Michael
LOT 2 / BLOCK 2
SHERRELWOOD

Aggarwal Vishal & Agarwal, Pallavi
2739
LOT 1 / BLOCK 2
SHERRELWOOD

Smith, Randy & Teresa, Trustees of the Randy and Teresa Smith Revocable Trust
6936
LOT 4 / BLOCK 1
TIMBERLANE HEIGHTS

Morrison, James D. & Dona Kay and DeSario, Mindy J., Co-Trustees of The Morrison Family Trust
2720
UNPLATTED

Howdy Properties, LLC
2736
UNPLATTED

Vrabac, Michael & Mary S.
6949
LOT 5 / BLOCK 2
TIMBERLANE HEIGHTS

S. Columbia Ave.
E. 69th Pl. S.
S. Delaware Pl.

BEGIN PROJECT
STA: 500+22.64
N: 393317.2262
E: 2574491.4289

END PROJECT
STA: 505+98.55
N: 393229.6106
E: 2575036.5302

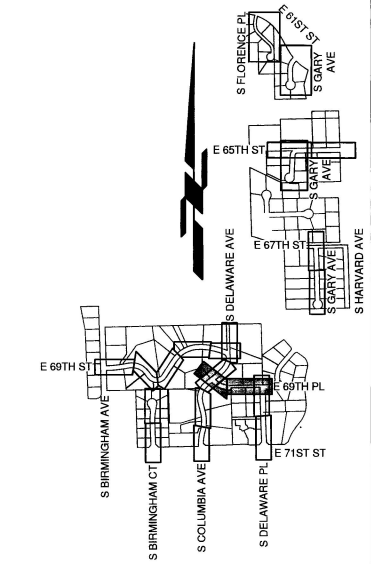
MATCHLINE STA. 502+00.00 THIS SHEET

MATCHLINE STA. 502+00.00 THIS SHEET

#124
PT: 500+77.68 N:393277.1314 E:2574528.9132
PC: 500+44.16 N:393300.3424 E:2574505.0248
PC: 501+06.01 N:393255.6902 E:2574451.2331
PT: 500+01.10 N:393231.1442 E:2574469.8898

#126
PT: 502+40.13 N:393231.1442 E:2574469.8886
PI: 503+40.14 N:393236.8122 E:2574778.8156
PC: 504+71.93 N:393240.4616 E:2574910.5545
PT: 505+45.46 N:393238.7497 E:2574983.8286
PC: 505+57.25 N:393233.9169 E:2574995.4724
PT: 506+11.30 N:393229.1399 E:2575049.2665

R/W
5' Easement
30' Building Line
10' Easement
15' Building Line
50.0'
25.0'
307.24'
209.00'
44.16' S39°10'37"E
28.33' S51°58'46"E
139.04' N87°39'49"E
131.79' N88°24'48"E
11.79' S81°03'16"E
21.89' S88°47'46"E



LEGEND

1113 ADDRESS LABEL

#101 CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

OKLAHOMA PROFESSIONAL LAND SURVEYOR BOBBY D. LONG 1066

12-18-23

SCHEDULE OF CONTROL POINTS

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
124	393303.44	2574527.70	767.58	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	500+57.99
126	393253.16	2575012.95	783.64	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	505+72.33

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

20 10 0 20
1 IN = 20 FT

BEFORE YOU DIG ...
1-800-522-6543
CALL OKIE

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET E 69TH PL (SHEET 1 OF 1)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:

Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	DRR	12/18/23
HORIZONTAL: 1:20	LEAD ENGR.		12/18/23
	FIELD MGR.		10/23
VERTICAL: NA	RECOMMENDED:	AAS	11-24
	DESIGN MANAGER		

APPROVED:
CITY ENGINEER
DATE: 11/18/24

FILE: G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 0500 E 69TH PL.dwg
ATLAS PAGE NO.: 389, 472, 563
SHEET 20 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:25 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 0500 E 69TH PL.DWG

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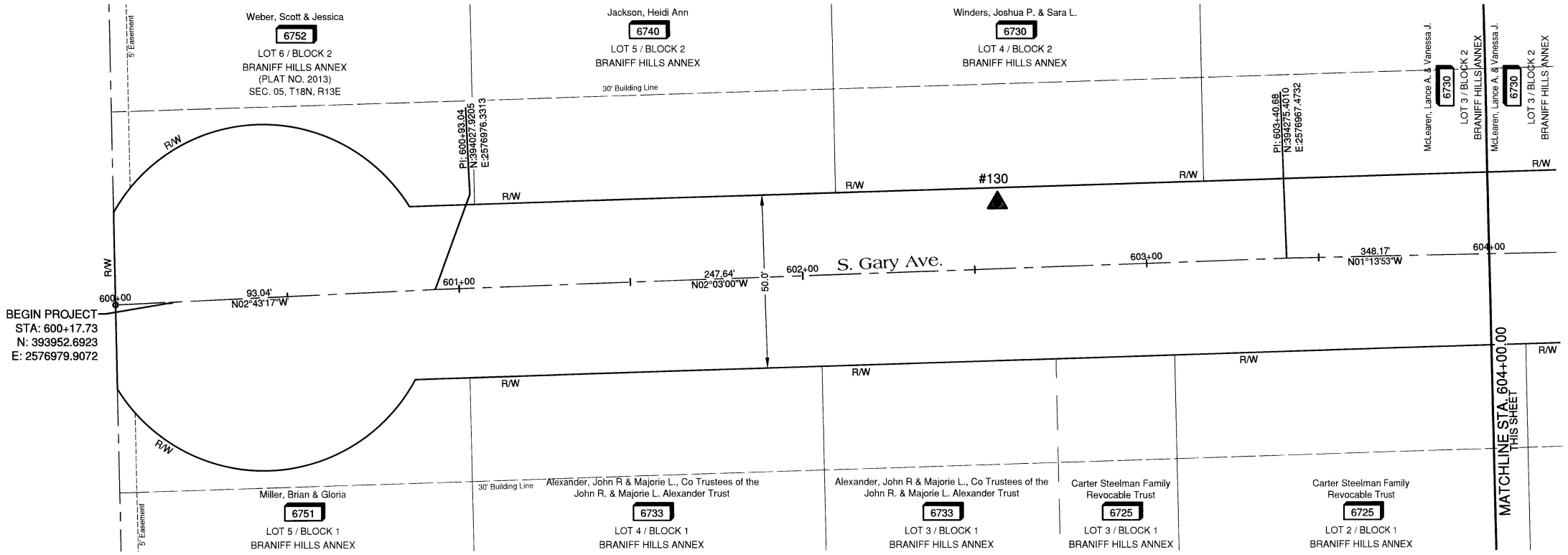

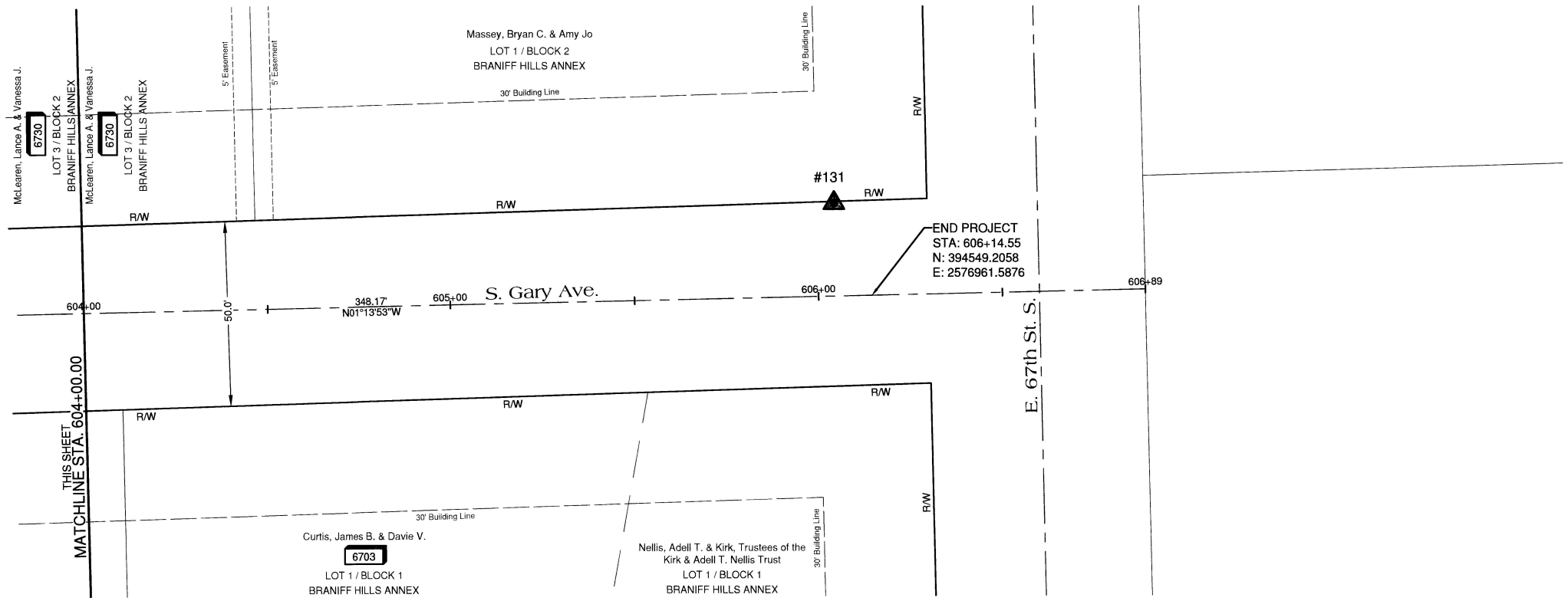

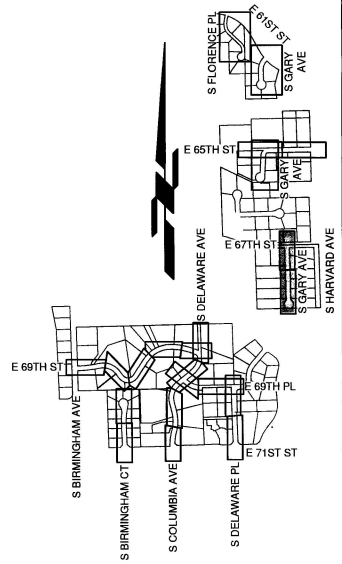

LEGEND

- 1113 ADDRESS LABEL
- #101 ▲ CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

BOBBY D. LONG — 1868 — OKLAHOMA — PROFESSIONAL LAND SURVEYOR — 12-15-23

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
131	394538.88	2576936.60	801.80	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	606+04.76

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

20 10 0 20

1 IN = 20 FT

REVISION	BY	DATE

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET S GARY AVE (SHEET 1 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
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9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	AAT	12/2023
HORIZONTAL: 1:20	LEAD ENGR.	BDL	12/2023
VERTICAL: NA	FIELD MGR.	BDL	12/2023
	RECOMMENDED: DESIGN MANAGER		

APPROVED: CITY ENGINEER

FILE: ME DRAWING: G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 0600_0700_0800 S GARY AVE.dwg

DATE: 12/15/23

ATLAS PAGE NO.: 389, 472, 563

SHEET 21 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:25 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 0600_0700_0800 S GARY AVE.DWG

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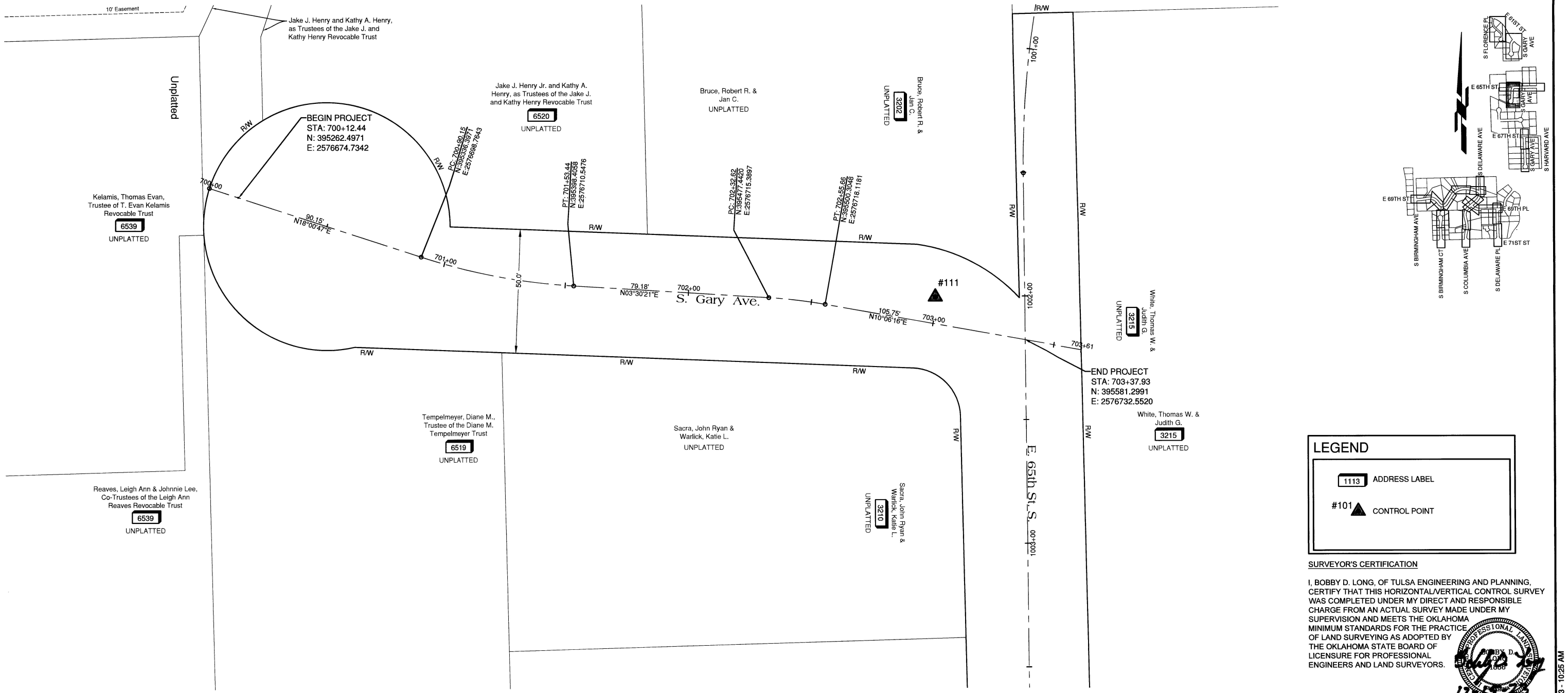

LEGEND

1113 ADDRESS LABEL

#101 ▲ CONTROL POINT

SURVEYOR'S CERTIFICATION

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BOBBY D. LONG — OKLAHOMA — 1868 — PROFESSIONAL LAND SURVEYOR — 12-15-23

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
111	395544.95	2576715.21	773.57	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	702+99.10

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

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HORIZONTAL CONTROL & BASIS OF BEARINGS

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VERTICAL CONTROL

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20 10 0 20

1 IN = 20 FT

REVISION	BY	DATE

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET S GARY AVE (SHEET 2 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	ARK	12/23
HORIZONTAL: 1:20	LEAD ENGR.		12/24
VERTICAL: NA	FIELD MGR.		12/24
	RECOMMENDED: DESIGN MANAGER		12.24

APPROVED: CITY ENGINEER DATE: 12/18/24

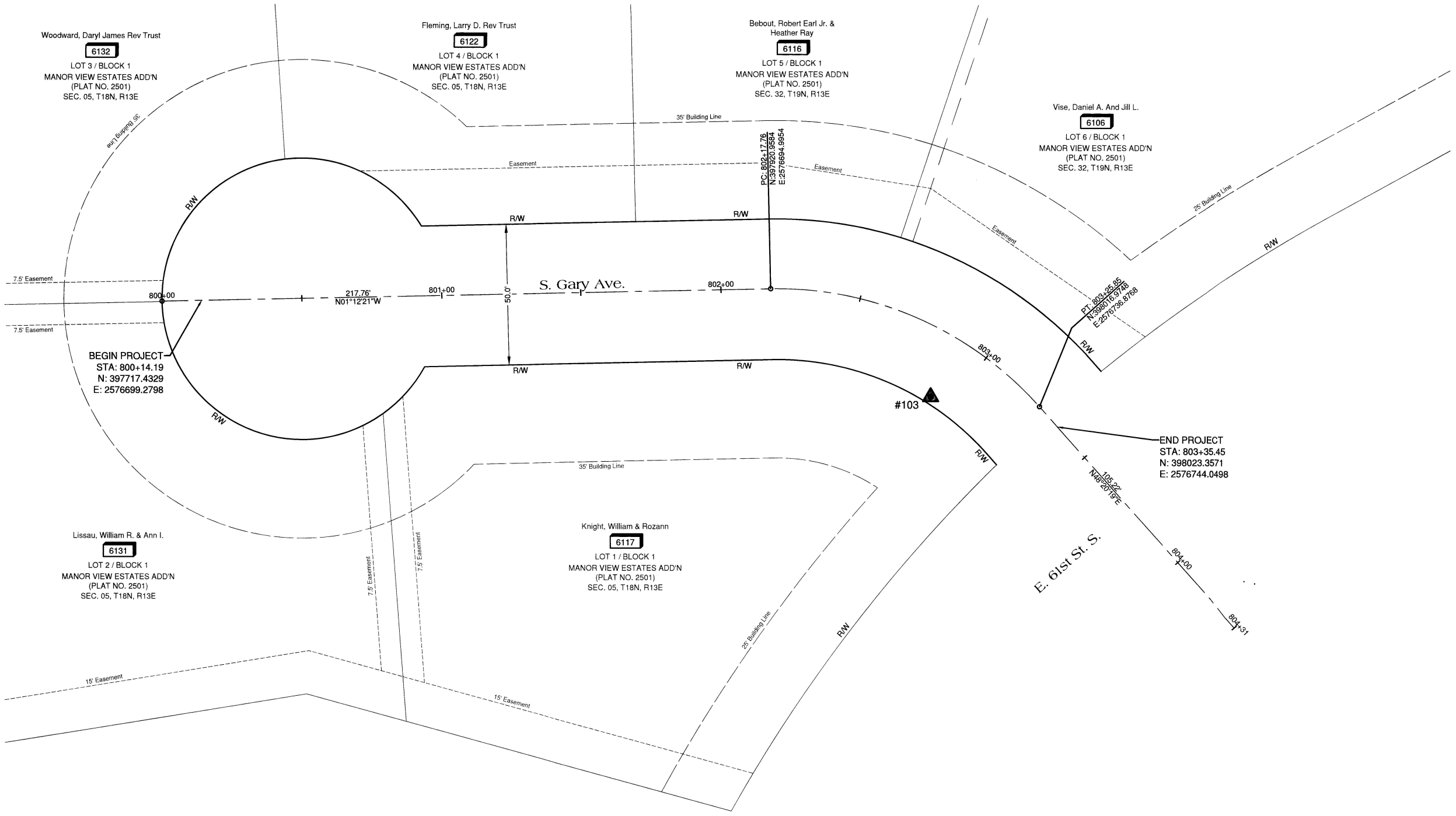
FILE: K:\ENGR\COT 2056 SURVEY DATA SHEET 0600_0700_0800 S GARY AVE.dwg DRAWING:

ATLAS PAGE NO.: 389, 472, 563

SHEET 22 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:25 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 0600_0700_0800 S GARY AVE.DWG

G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 0600_0700_0800 S GARY AVE.dwg, 12/15/2023 - 10:25 AM



LEGEND

1113 ADDRESS LABEL

#101 CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

BOBBY D. LONG 1868 PROFESSIONAL LAND SURVEYOR OKLAHOMA 12-15-23

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
103	397978.09	2576733.41	709.72	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	802+90.63

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 1983 (2011).

VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

20 10 0 20

1 IN = 20 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

REVISION	BY	DATE

PLAN SCALE 1:20

PROFILE SCALE HORIZONTAL: 1:20 VERTICAL: NA

DRAWN	JMS	12/2023
DESIGNED	AAT	12/2023
SURVEY	BDL	12/2023
PROJ. MGR.	ARL	09/23
LEAD ENGR.		10/24
FIELD MGR.		10/24
RECOMMENDED:		
DESIGN MANAGER		11-24

APPROVED:

CITY ENGINEER

DATE: 11/14/24

FILE: G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 0600_0700_0800 S GARY AVE.dwg DRAWING:

ATLAS PAGE NO.: 389, 472, 563

SHEET 23 OF 44 SHEETS

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET S GARY AVE (SHEET 3 OF 3)

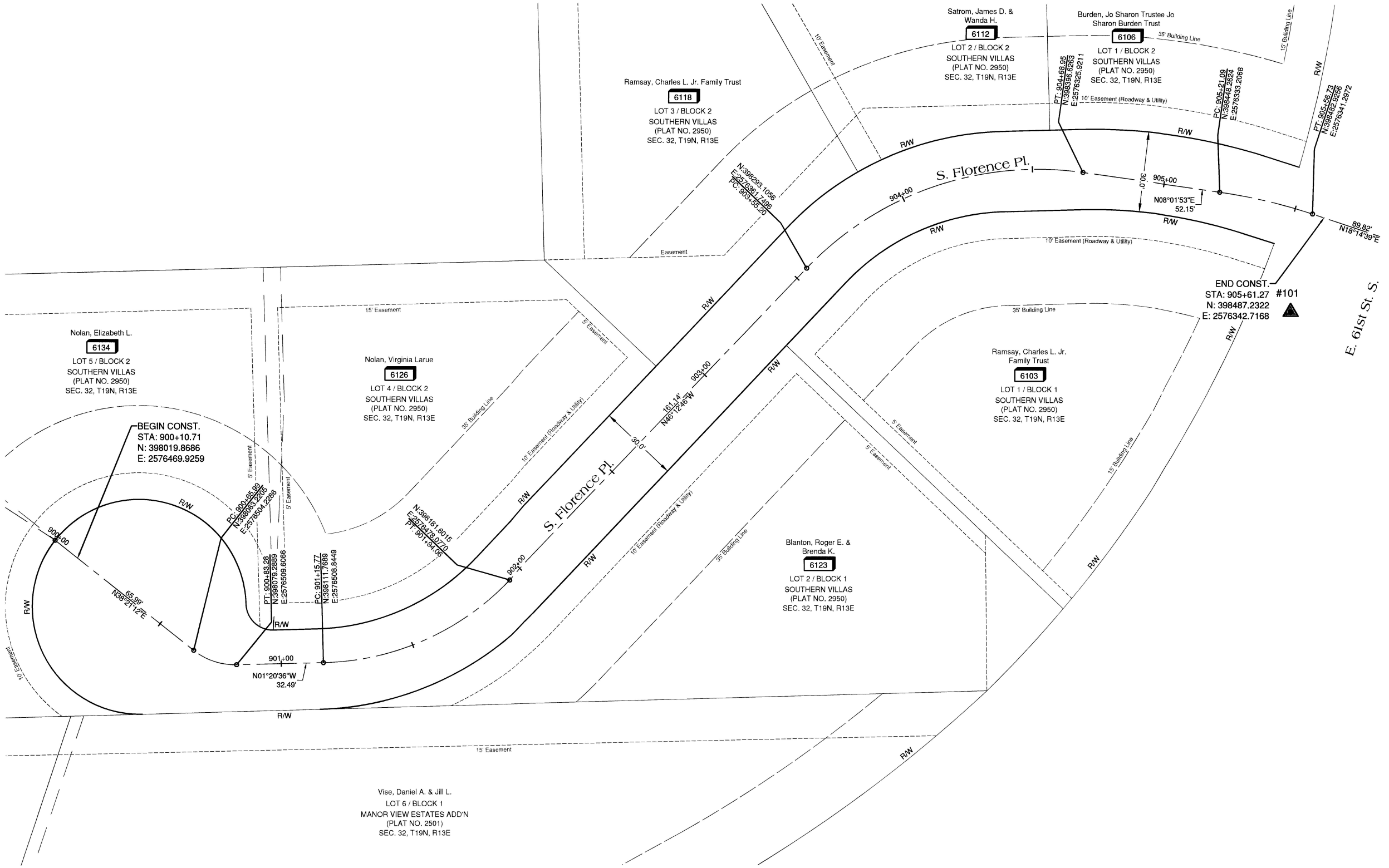
MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLOT DATE: 12/15/2023 10:25 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 0600_0700_0800 S GARY AVE.DWG

G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 0600_0700_0800 S GARY AVE.dwg, 12/15/2023 - 10:25 AM



LEGEND

1113 ADDRESS LABEL

#101 ▲ CONTROL POINT

SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

BOBBY D. LONG — OKLAHOMA — 1668 — PROFESSIONAL LAND SURVEYOR — 12-15-2023

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
101	398474.72	2576377.87	697.43	5/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	905+60.39

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

FE389: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 389, SET IN CONCRETE ON THE NORTHWEST CORNER OF E. 61ST ST. S. AND S. DELAWARE AVE.

HORIZONTAL CONTROL & BASIS OF BEARINGS

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VERTICAL CONTROL

THE VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988 (GEOGRID 12A). PERMANENT BENCHMARK - FE563 & FE389

20 10 0 20

1 IN = 20 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

REVISION	BY	DATE

PLAN SCALE 1:20 | PROFILE SCALE | HORIZONTAL: 1:20 | VERTICAL: NA

DRAWN	JMS	12/2023
DESIGNED	AAT	12/2023
SURVEY	BDL	12/2023
PROJ. MGR.	ARK	01/23
LEAD ENGR.		10/24
FIELD MGR.		10/24
RECOMMENDED:	HBS	11-24
DESIGN MANAGER		

APPROVED: CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 0900 S FLORENCE PL.dwg DRAWING:

DATE: 11/18/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 24 OF 44 SHEETS

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET S FLORENCE PL (SHEET 1 OF 1)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

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PLOT DATE: 12/15/2023 10:25 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 0900 S FLORENCE PL.DWG

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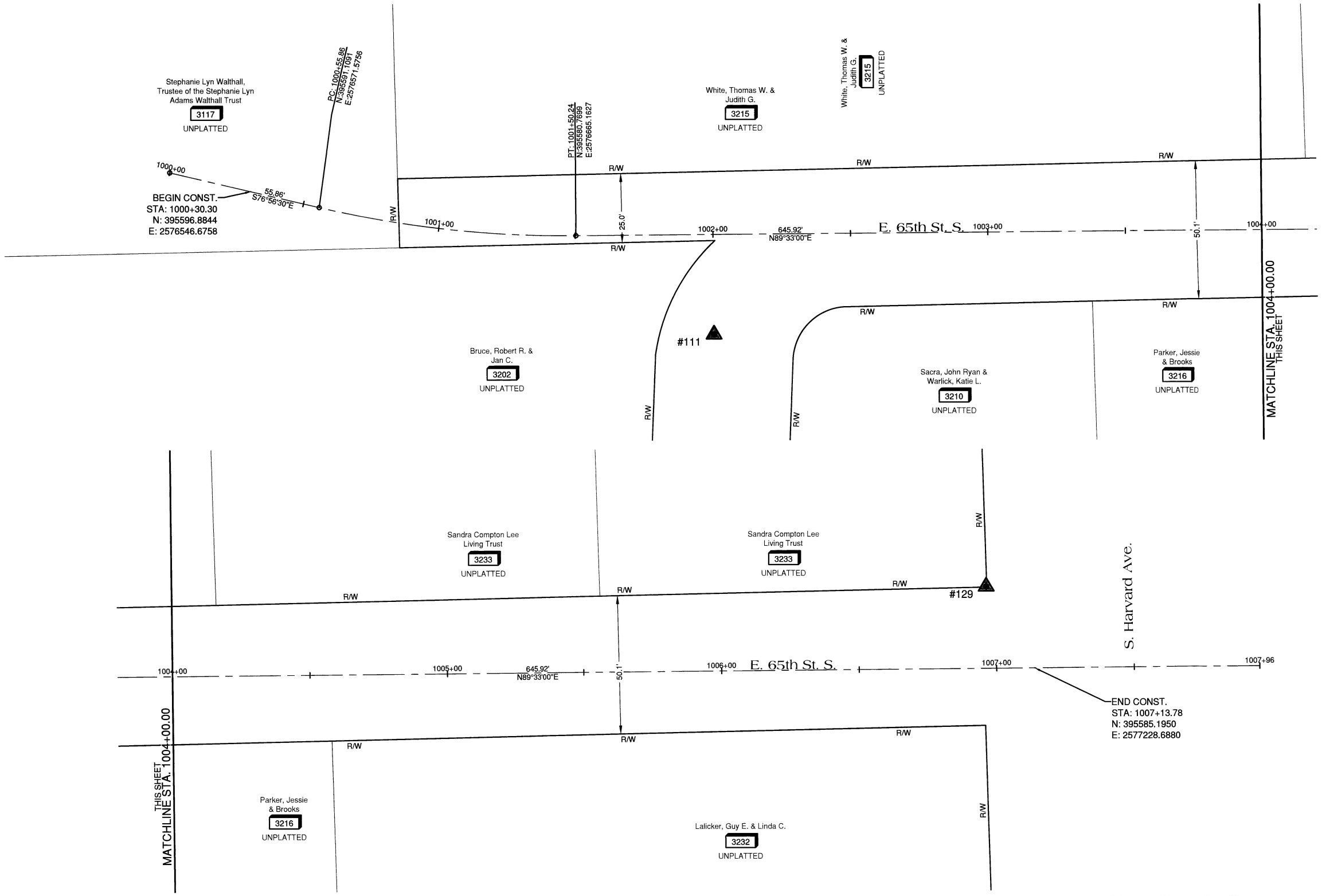

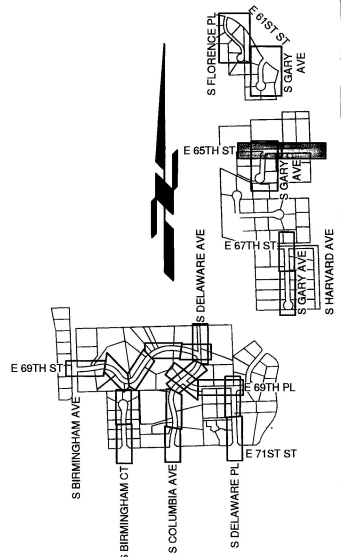

LEGEND

1113 ADDRESS LABEL

#101 CONTROL POINT

SCHEDULE OF CONTROL POINTS

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988	DESCRIPTION	STATION
111	395544.95	2576715.21	773.57	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	702+99.10
129	395614.70	2577211.16	792.99	3/8" Steel Pin with Orange Plastic Cap Stamped "TEP CTRL"	1006+96.49

CITY OF TULSA BENCHMARKS

FE563: 5/8" REBAR - 1-1/2" ALUMINUM CAP - FLUSH, STAMPED 563, SET IN CONCRETE ON THE NORTH SIDE OF E. 71ST ST. S., AT THE STORMWATER DETENTION POND, APPROXIMATELY 233' WEST OF THE CENTERLINE OF S. COLUMBIA AVE.

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20 10 0 20

1 IN = 20 FT

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SURVEYOR'S CERTIFICATION

I, BOBBY D. LONG, OF TULSA ENGINEERING AND PLANNING, CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

OKLAHOMA PROFESSIONAL ENGINEER BOBBY D. LONG 14683 REGISTERED LAND SURVEYOR

12-15-23

NON ARTERIAL STREET MAINTENANCE

SURVEY DATA SHEET E 65TH ST (SHEET 1 OF 1)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

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Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	AAT	09/23
HORIZONTAL: 1:20	LEAD ENGR.	DJ	10/24
	FIELD MGR.		10/24
VERTICAL: NA	RECOMMENDED: DESIGN MANAGER	AAS	11-24

APPROVED: CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 SURVEY DATA SHEET 1000 E 65TH ST DRAWING

DATE: 11/18/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 25 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:26 AM, DRAWING NAME: COT 2056 SURVEY DATA SHEET 1000 E 65TH ST.DWG

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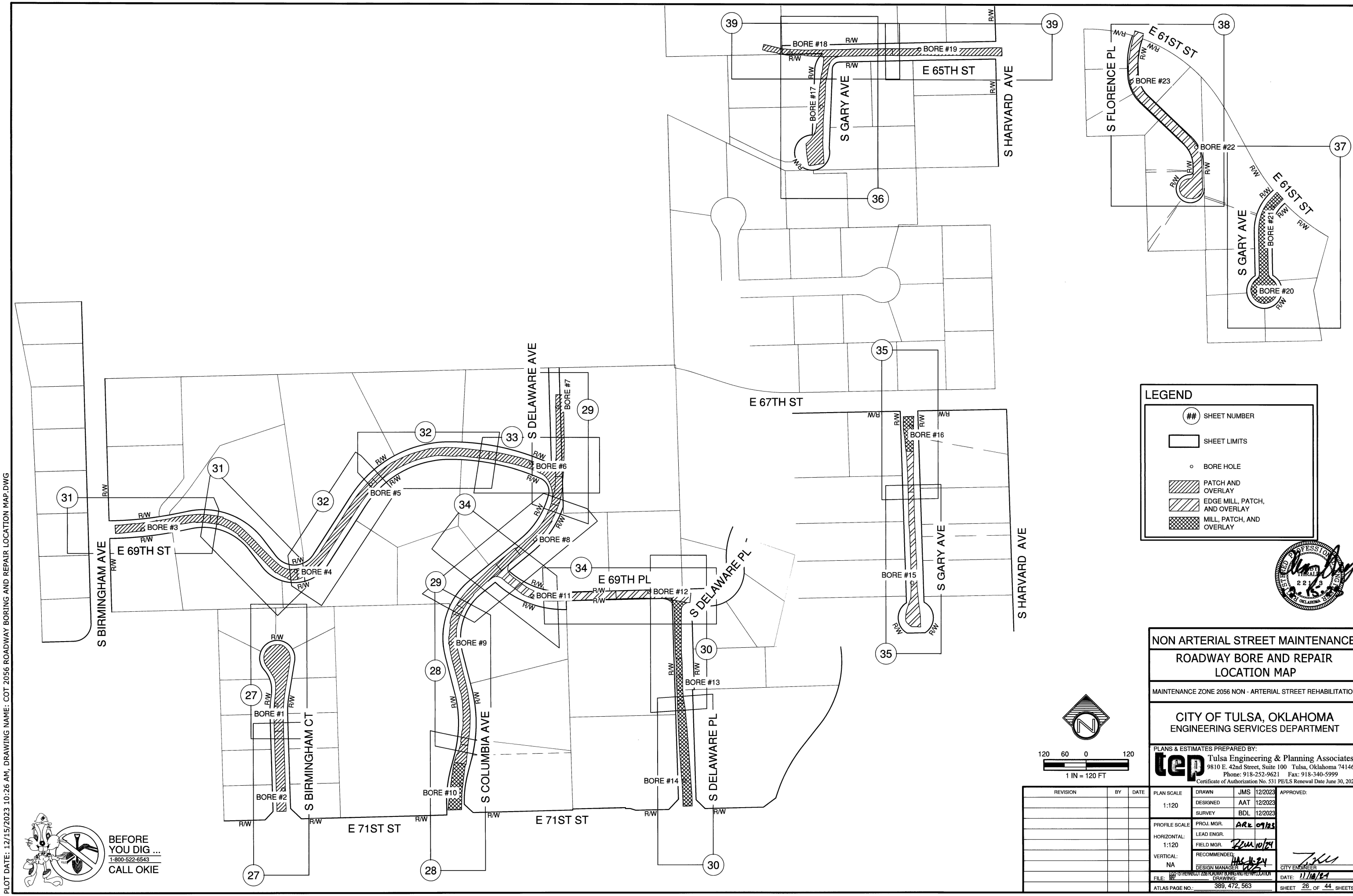


PLOT DATE: 12/15/2023 10:26 AM, DRAWING NAME: COT 2056 ROADWAY BORING AND REPAIR LOCATION MAP.DWG

G:\21-151\Rehab\COT 2056 ROADWAY BORING AND REPAIR LOCATION MAP.dwg, 12/15/2023 - 10:26 AM

NON ARTERIAL STREET MAINTENANCE

ROADWAY BORE AND REPAIR LOCATION MAP

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE 1:120	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	ARL	09/23
HORIZONTAL: 1:120	LEAD ENGR.		
	FIELD MGR.		10/24
VERTICAL: NA	RECOMMENDED: DESIGN MANAGER		11-24

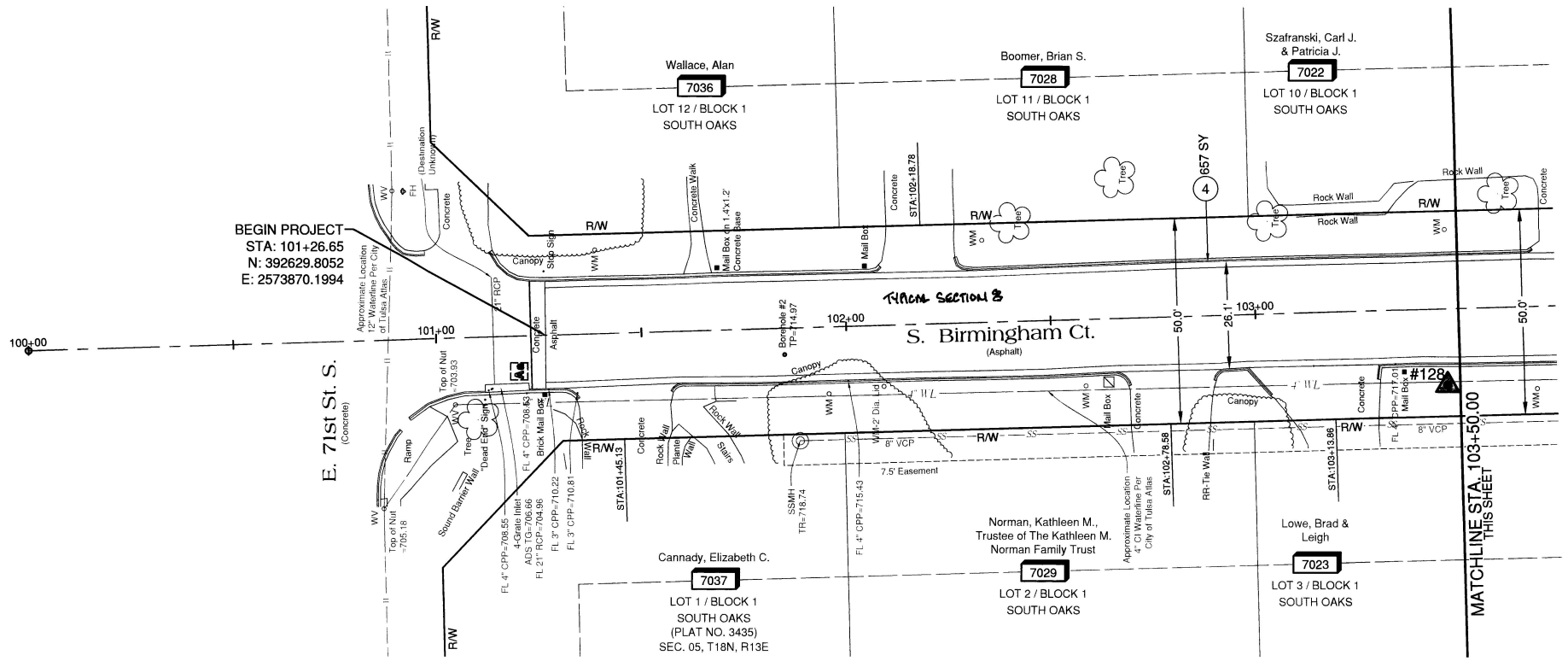
APPROVED: CITY ENGINEER

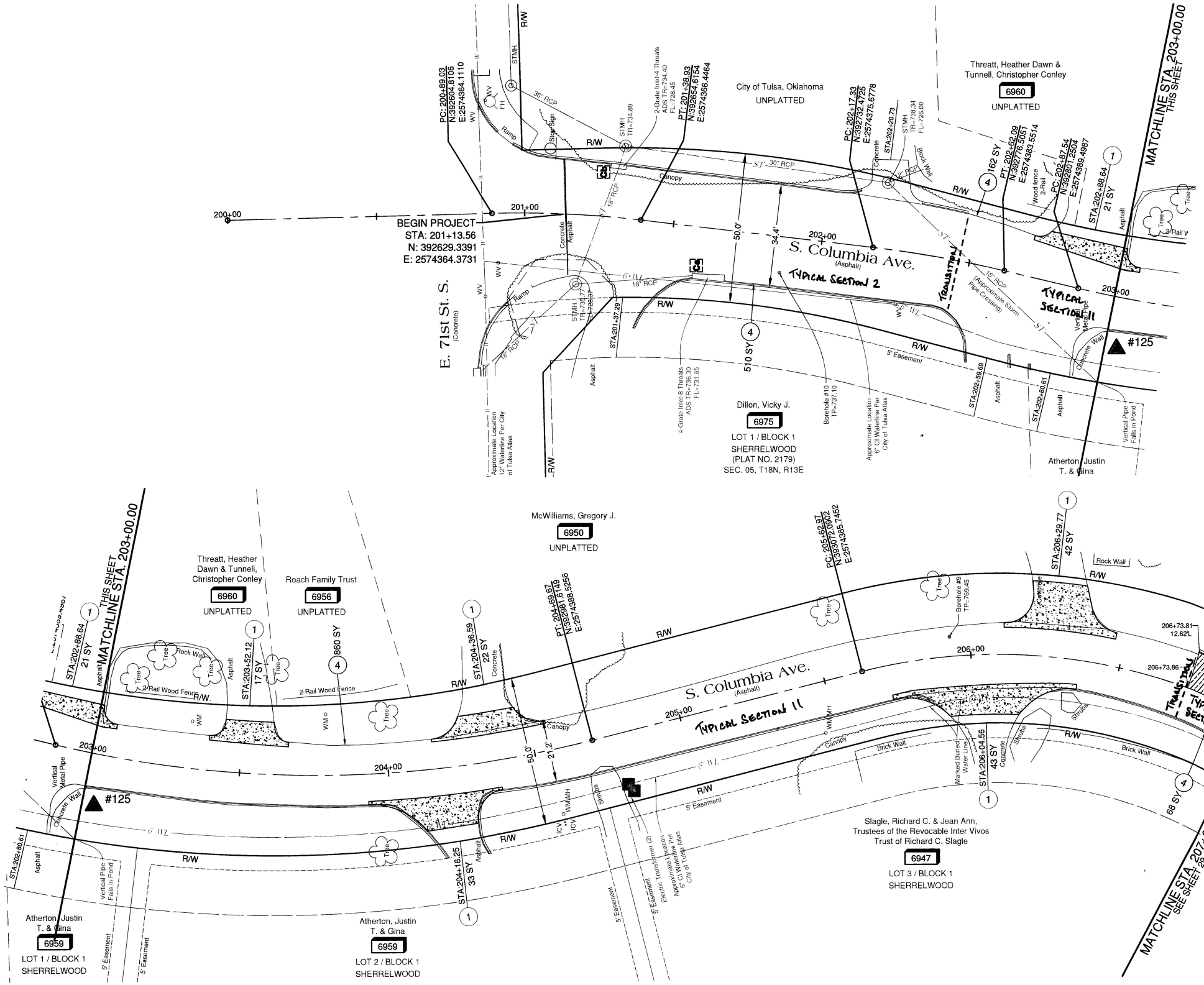
FILE: G:\21-151\Rehab\COT 2056 ROADWAY BORING AND REPAIR LOCATION DRAWING: MAP.dwg

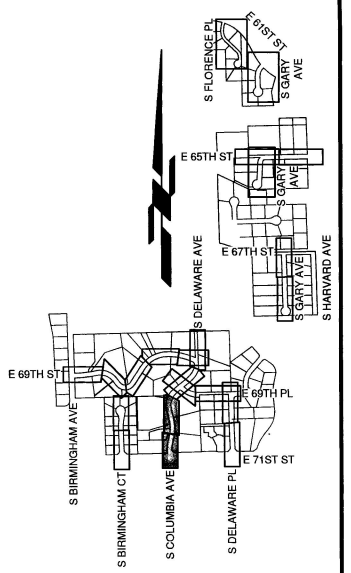
DATE: 11/10/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 26 OF 44 SHEETS


BEGIN PROJECT
STA: 101+26.65
N: 392629.8052
E: 2573870.1994
Approximate Location 12" Waterline Per City of Tulsa Atlas
Wallace, Alan
7036
LOT 12 / BLOCK 1
SOUTH OAKS
Boomer, Brian S.
7028
LOT 11 / BLOCK 1
SOUTH OAKS
Szafranski, Carl J. & Patricia J.
7022
LOT 10 / BLOCK 1
SOUTH OAKS
TYPICAL SECTION B
S. Birmingham Ct.
(Asphalt)
E. 71st St. S.
(Concrete)
100+00
101+00
102+00
103+00
50.0'
26.1'
4
657 SY
Borehole #2
TP=714.97
Borehole #1
TP=717.37
#128
Cannady, Elizabeth C.
7037
LOT 1 / BLOCK 1
SOUTH OAKS
(PLAT NO. 3435)
SEC. 05, T18N, R13E
Norman, Kathleen M., Trustee of The Kathleen M. Norman Family Trust
7029
LOT 2 / BLOCK 1
SOUTH OAKS
Lowe, Brad & Leigh
7023
LOT 3 / BLOCK 1
SOUTH OAKS
MATCHLINE STA. 103+50.00
THIS SHEET
Schlotfelt, Scott A. & Shelley R., Trustees of (2 separate) Revocable Trusts
7014
LOT 9 / BLOCK 1
SOUTH OAKS
Kiser, Kenneth J. & Pamela Peevy, Co-Trustees of the Kiser Revocable Trust
7008
LOT 8 / BLOCK 1
SOUTH OAKS
Harris, Steven M.
7002
LOT 7 / BLOCK 1
SOUTH OAKS
END PROJECT
STA: 106+00.02
N: 393091.0109
E: 2573836.3070
Barrientos, Tomas E. & Maria G. Guarirapa
7015
LOT 4 / BLOCK 1
SOUTH OAKS
O'Hara, Roy Douglas II & Bonnie Elaine
7007
LOT 5 / BLOCK 1
SOUTH OAKS
Kleinco Construction Services
LOT 6 / BLOCK 1
SOUTH OAKS
5
94 SY
1083 SY
Painted Area
7.5' Easement
15' Easement
SSMH TR=688.27 FL=683.43 FL=693.47
SSMH TR=721.03 FL=710.57
SSMH TR=718.74
SSMH TR=722.65 FL=704.32
PC: 103+92.10 N:392695.1341 E:2573862.1412
PT: 104+42.71 N:392645.5575 E:2573865.5225
PC: 104+86.57 N:392686.5519 E:2573874.3144
PT: 105+50.40 N:392650.8065 E:2573850.1123
N:393050.1123 E:2573850.8065
PT: 105+50.40
104+47.46 13.53'L
104+47.46 2.50'L
104+36.71 5.00'R
104+36.71 2.50'L
103+96.60 12.50'L
103+96.60 5.00'R
TYPICAL SECTION B
Approximate Location 4" CI Waterline Per City of Tulsa Atlas
Approximate Location 4" CI Waterline Per City of Tulsa Atlas
Approximate Location 4" CI Waterline Per City of Tulsa Atlas





TRANSITION FROM TYPICAL SECTION 2 TO TYPICAL SECTION 11 AT STA. 202+46.83 BY USING TYPICAL SECTION 15 5' EACH SIDE OF TRANSITION STATION

LEGEND

1. CONCRETE DRIVEWAY (6"-H.E.S.)
2. ADJUST TO GRADE
3. COMBINED CURB AND GUTTER 6" BARRIER
4. FABRIC REINFORCEMENT
5. PATCH (SUBGRADE METHOD B)
6. TYPE I PLAIN RIPRAP
- EXISTING STORM INLET
- PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
125	392814.00	2574409.77	744.88

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

TRANSITION FROM TYPICAL SECTION 11 TO TYPICAL SECTION 9 AT STA. 206+73.86

STRUCTURE INFORMATION

Struct. ID	EXIST. TG/TR	PROP. TG/TR	EXIST.FL	PROP.FL	NORTHING	EASTING
Ca	736.30	N/A	731.65	N/A	392671.798	2574385.029
Cb	734.40	N/A	728.45	N/A	392647.166	2574349.248

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN S COLUMBIA AVE (SHEET 1 OF 2)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
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Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	AAT	09/25
HORIZONTAL: 1:20	LEAD ENGR.		
	FIELD MGR.	[illegible]	10/24
VERTICAL: NA	RECOMMENDED	[illegible]	11-24
	DESIGN MANAGER	[illegible]	

APPROVED: CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0200 S COLUMBIA AVE
DRAWING

DATE: 11/24

ATLAS PAGE NO.: 389, 472, 563

SHEET 28 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:27 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 0200 S COLUMBIA AVE.DWG

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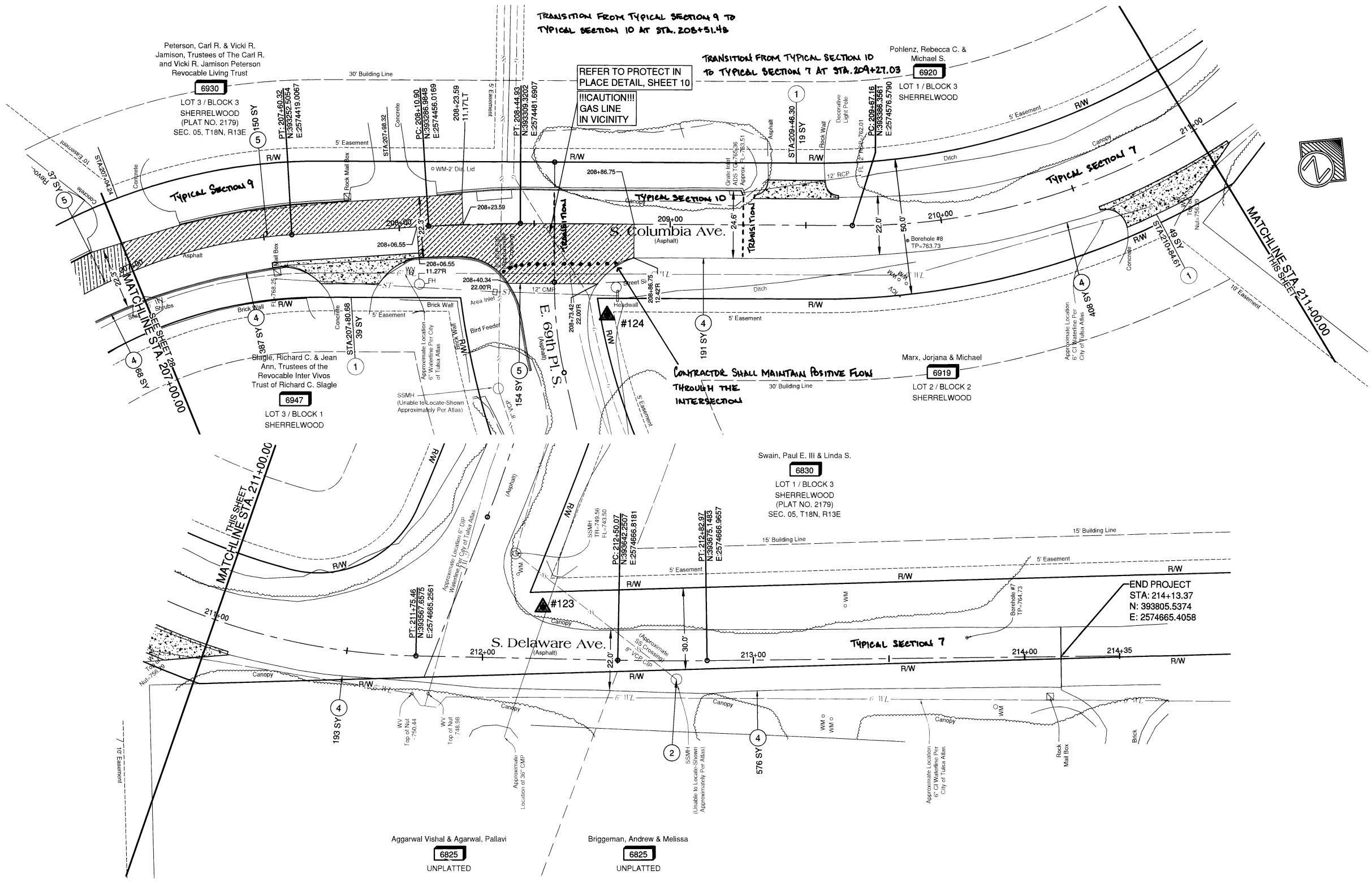

LEGEND

1	CONCRETE DRIVEWAY (6"-H.E.S.)
2	ADJUST TO GRADE
3	COMBINED CURB AND GUTTER 6" BARRIER
4	FABRIC REINFORCEMENT
5	PATCH (SUBGRADE METHOD B)
6	TYPE I PLAIN RIPRAP
Zz	EXISTING STORM INLET
Zz	PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
123	393614.82	2574647.38	751.46
124	393303.44	2574527.70	767.58

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

20 10 0 20
1 IN = 20 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN S COLUMBIA AVE (SHEET 2 OF 2)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

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REVISION	BY	DATE

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE HORIZONTAL: 1:20 VERTICAL: NA	PROJ. MGR.		09/23
	LEAD ENGR.		10/23
	FIELD MGR.		10/23
	RECOMMENDED: DESIGN MANAGER		11-11-24
	APPROVED: CITY ENGINEER		DATE: 11/18/24

FILE: G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0200 S COLUMBIA AVE
DRAWING:
ATLAS PAGE NO.: 389, 472, 563
SHEET 29 OF 44 SHEETS

PLOT DATE: 12/29/2023 2:36 PM, DRAWING NAME: COT 2056 ROADWAY PLAN 0200 S COLUMBIA AVE.DWG

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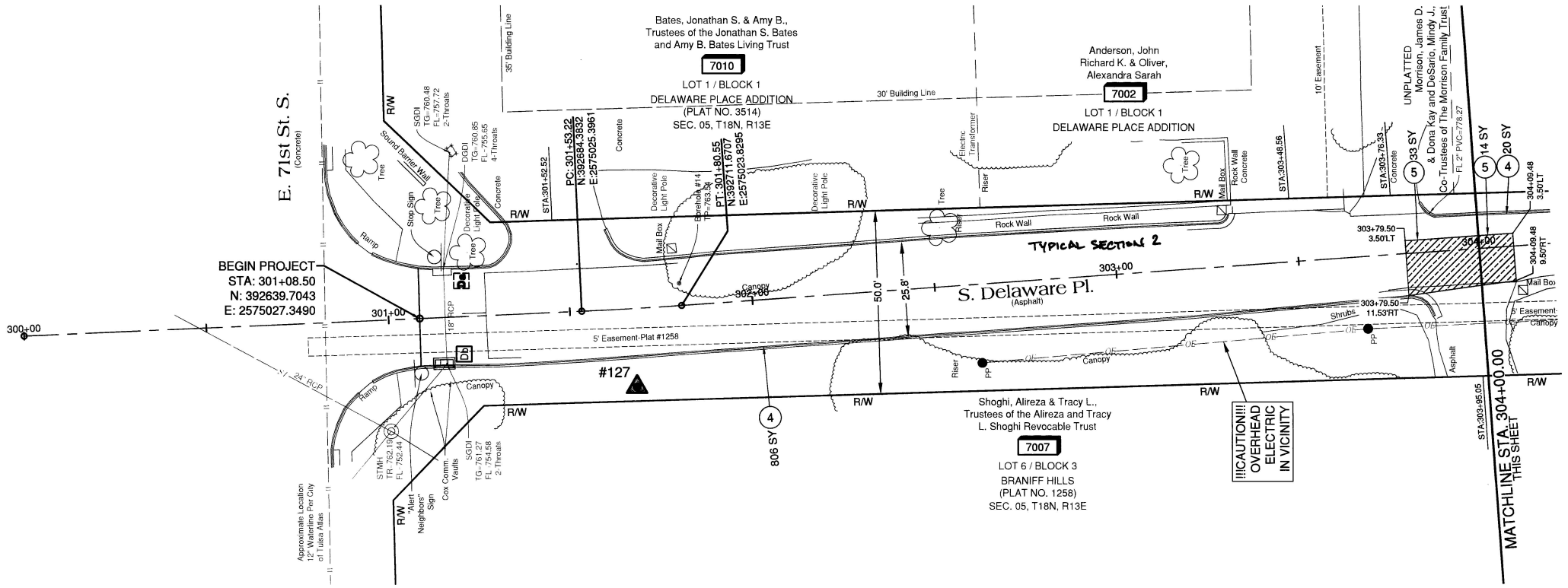
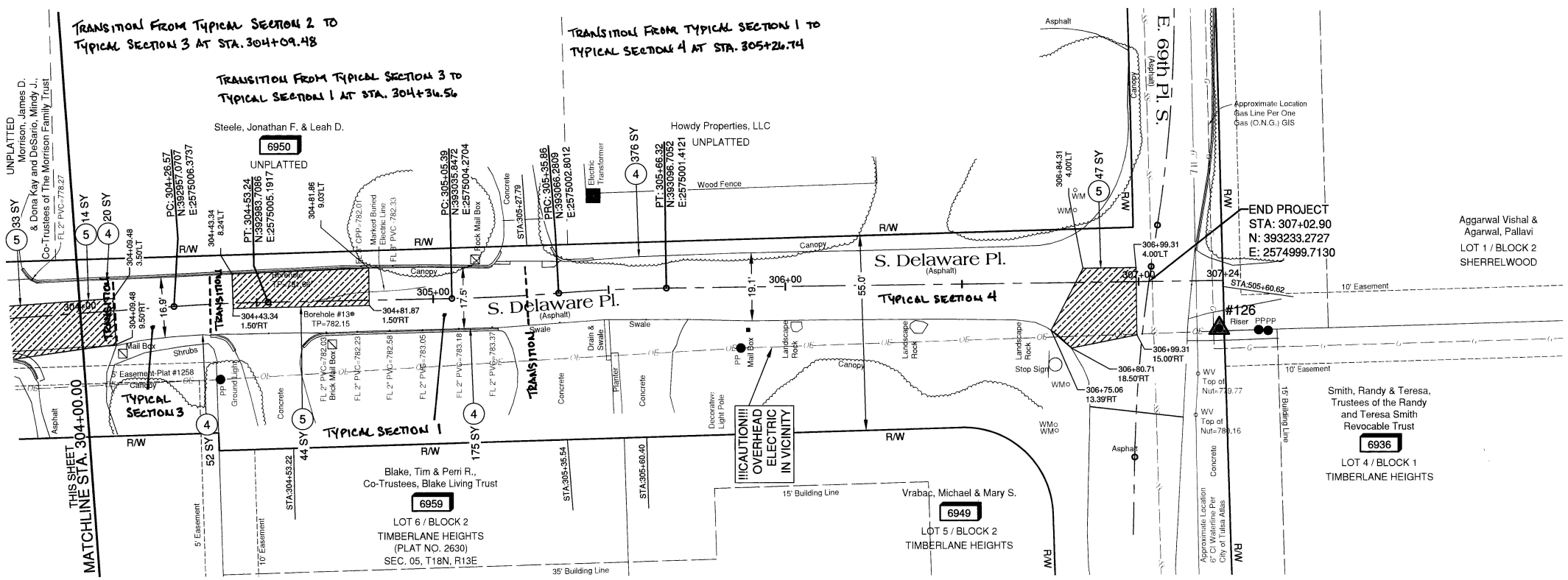
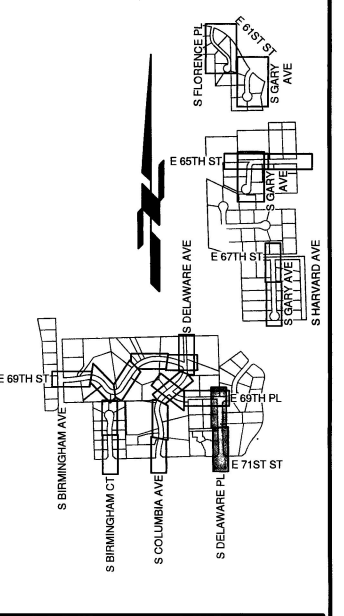






LEGEND

- (1) CONCRETE DRIVEWAY (6"-H.E.S.)
- (2) ADJUST TO GRADE
- (3) COMBINED CURB AND GUTTER 6" BARRIER
- (4) FABRIC REINFORCEMENT
- (5) PATCH (SUBGRADE METHOD B)
- (6) TYPE I PLAIN RIPRAP
- EXISTING STORM INLET
- PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
126	393253.16	2575012.95	783.64
127	392699.48	2575046.09	763.16

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

STRUCTURE INFORMATION

Struct. ID	EXIST. TG/TR	PROP. TG/TR	EXIST.FL	PROP.FL	NORTHING	EASTING
Da	760.85	N/A	755.65	N/A	392646.285	2575015.558
Db	761.27	761.27	754.58	754.58	392646.470	2575040.049

20 10 0 20
1 IN = 20 FT

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN S DELAWARE PL (SHEET 1 OF 1)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE HORIZONTAL: 1:20 VERTICAL: NA	PROJ. MGR.	ABR	11/28/24
	LEAD ENGR.		11/24
	FIELD MGR.		
	RECOMMENDED: DESIGN MANAGER		11.24

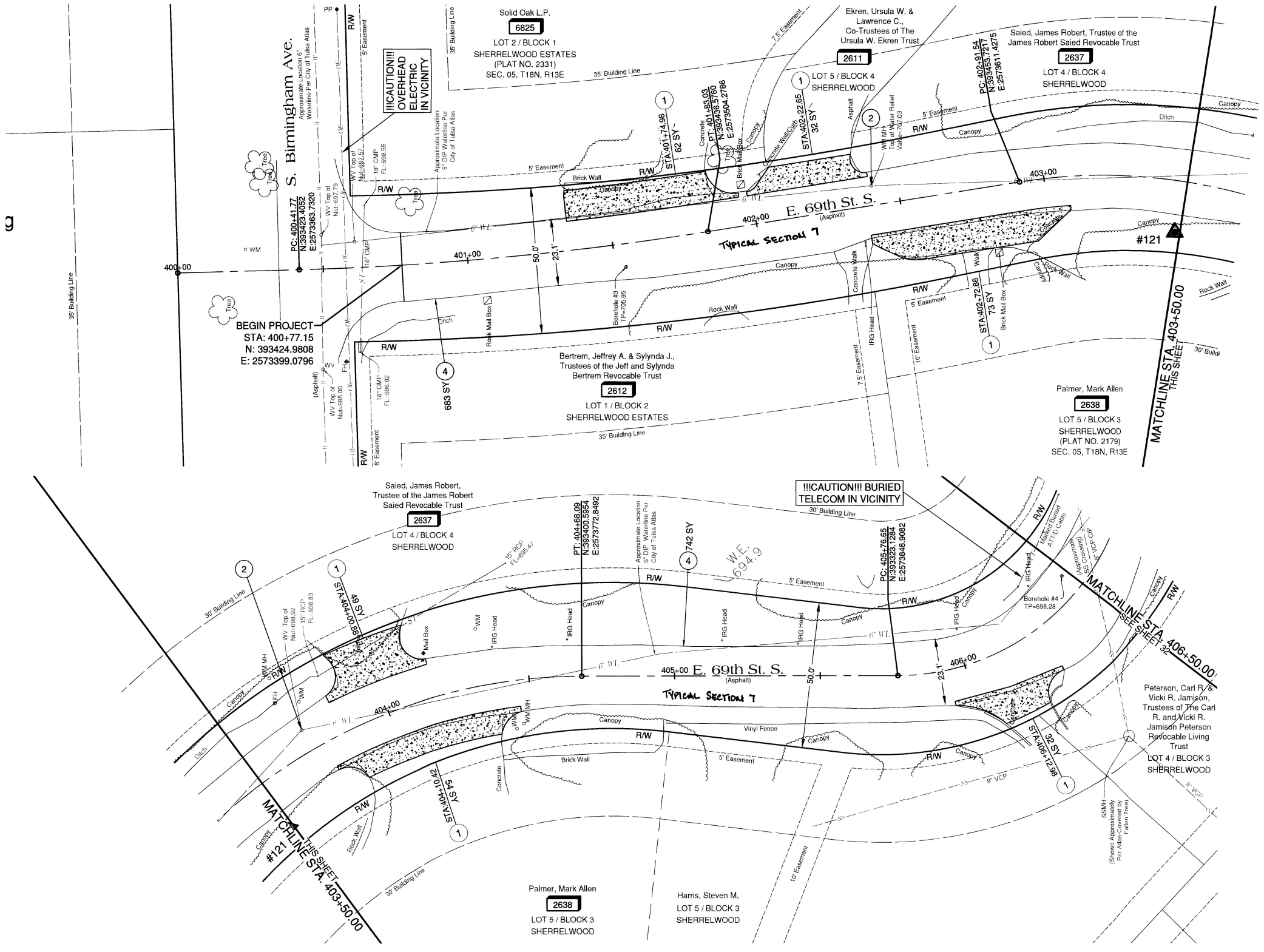
APPROVED: CITY ENGINEER DATE: 11/18/24

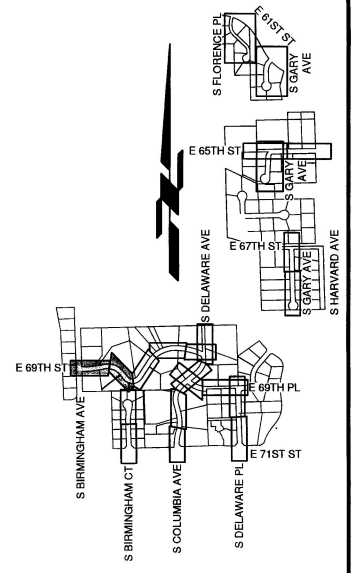
FILE: G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0300 S DELAWARE PL\DRAWINGS
ATLAS PAGE NO.: 389, 472, 563
SHEET 30 OF 44 SHEETS

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

PLOT DATE: 12/15/2023 10:27 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 0300 S DELAWARE PL.DWG

G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0300 S DELAWARE PL.dwg, 12/15/2023 - 10:27 AM





LEGEND

1	CONCRETE DRIVEWAY (6"-H.E.S.)
2	ADJUST TO GRADE
3	COMBINED CURB AND GUTTER 6" BARRIER
4	FABRIC REINFORCEMENT
5	PATCH (SUBGRADE METHOD B)
6	TYPE I PLAIN RIPRAP
Zz	EXISTING STORM INLET
Zz	PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
121	393436.58	2573665.15	703.19

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

20 10 0 20
1 IN = 20 FT

REVISION	BY	DATE

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN E 69TH ST (SHEET 1 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023	APPROVED:
	DESIGNED	AAT	12/2023	
	SURVEY	BDL	12/2023	
PROFILE SCALE	PROJ. MGR.	ARK	09/23	
HORIZONTAL: 1:20	LEAD ENGR.		10/24	
	FIELD MGR.		10/24	
VERTICAL: NA	RECOMMENDED DESIGN MANAGER		11.24	CITY ENGINEER
FILE: G:\21-151\Rehab\COT 2056 ROADWAY PLAN E 69TH ST	DRAWING:			DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563				SHEET 31 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:28 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 0400 E 69TH ST.DWG

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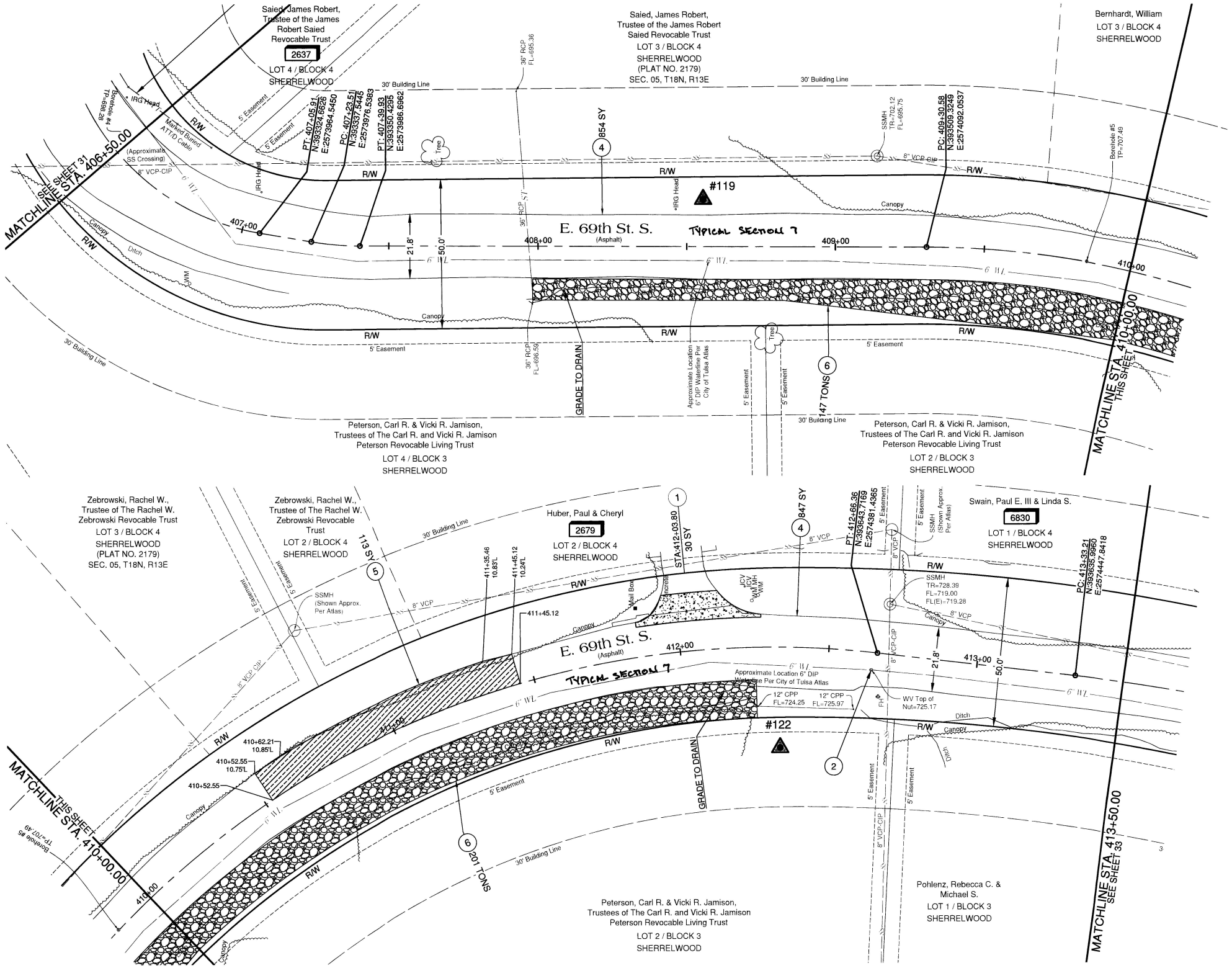

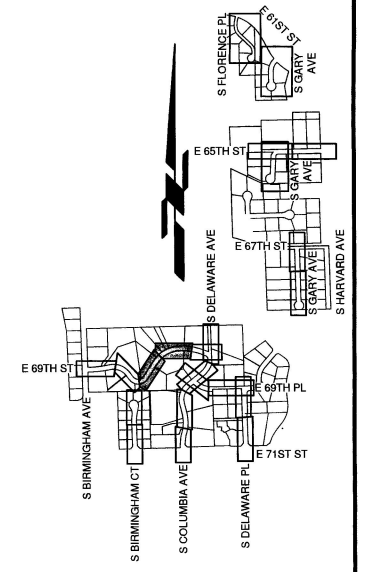

LEGEND

1	CONCRETE DRIVEWAY (6"-H.E.S.)
2	ADJUST TO GRADE
3	COMBINED CURB AND GUTTER 6" BARRIER
4	FABRIC REINFORCEMENT
5	PATCH (SUBGRADE METHOD B)
6	TYPE I PLAIN RIPRAP
Zz	EXISTING STORM INLET
Zz	PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
119	393455.46	2574037.33	702.26
122	393612.09	2574348.60	728.45

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

20 10 0 20
1 IN = 20 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN E 69TH ST
(SHEET 2 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023	APPROVED:
	DESIGNED	AAT	12/2023	
	SURVEY	BDL	12/2023	
PROFILE SCALE	PROJ. MGR.	ARK	09/23	
HORIZONTAL: 1:20	LEAD ENGR.		11/24	
VERTICAL: NA	FIELD MGR.		10/24	
	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0400 E 69TH ST	DRAWING:			DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563				SHEET 32 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:28 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 0400 E 69TH ST.DWG

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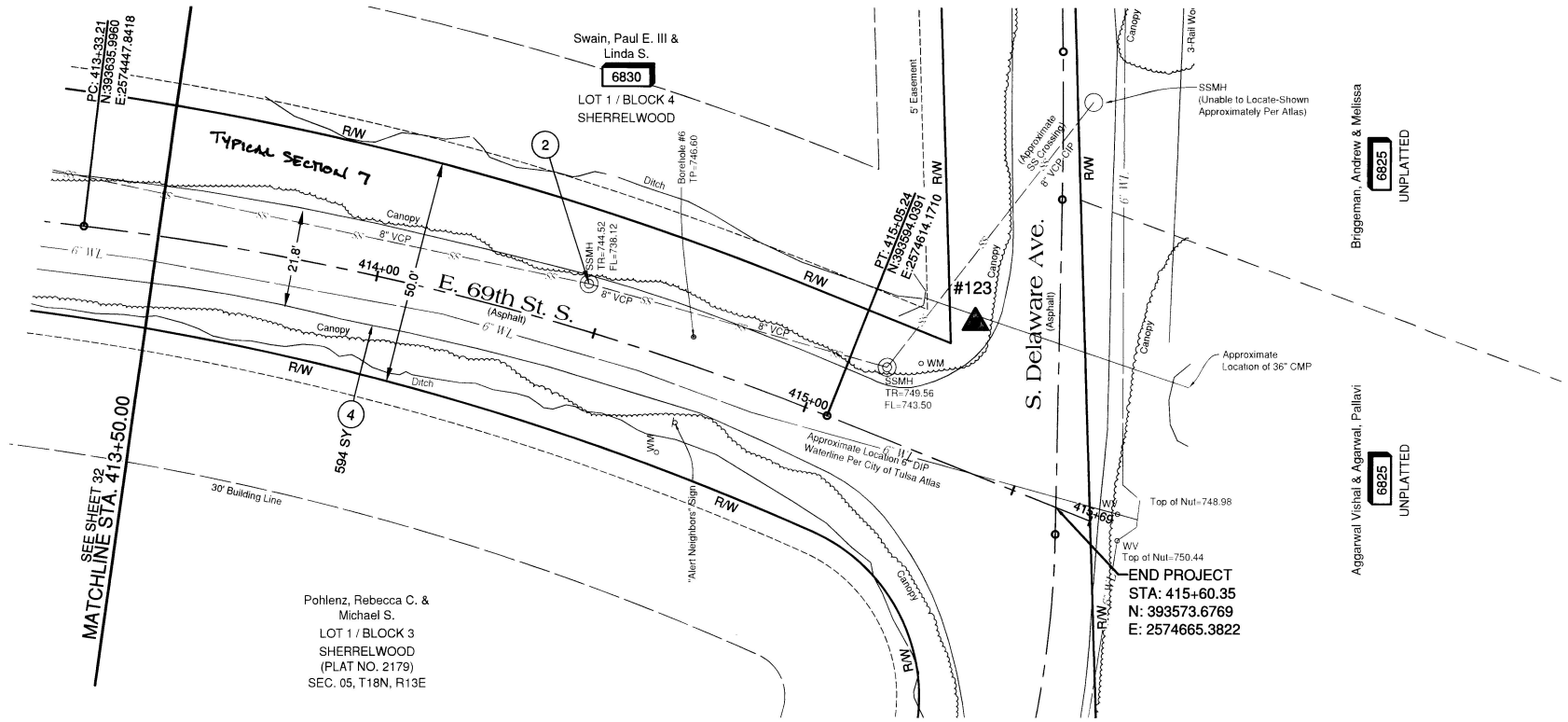
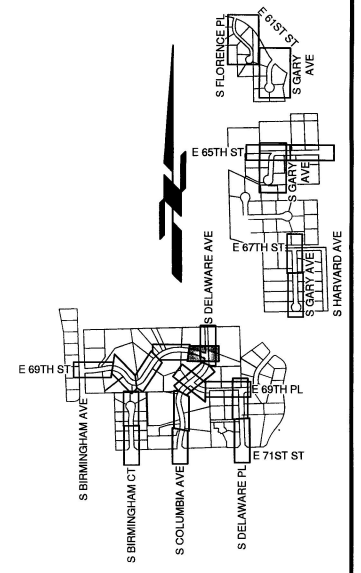




LEGEND

1	CONCRETE DRIVEWAY (6"-H.E.S.)
2	ADJUST TO GRADE
3	COMBINED CURB AND GUTTER 6" BARRIER
4	FABRIC REINFORCEMENT
5	PATCH (SUBGRADE METHOD B)
6	TYPE I PLAIN RIPRAP
Zz	EXISTING STORM INLET
Zz	PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS ▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
123	393614.82	2574647.38	751.46

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

20 10 0 20

1 IN = 20 FT

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN E 69TH ST (SHEET 3 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE HORIZONTAL: 1:20 VERTICAL: NA	PROJ. MGR.	AAR	11/24
	LEAD ENGR.		11/24
	FIELD MGR.		11/24
	RECOMMENDED: DESIGN MANAGER	HAS	11-24

APPROVED: CITY ENGINEER

DATE: 11/18/24

FILE: G:\21-151\Rehab\COT 2056 ROADWAY PLAN\0400 E 69TH ST DRAWINGS

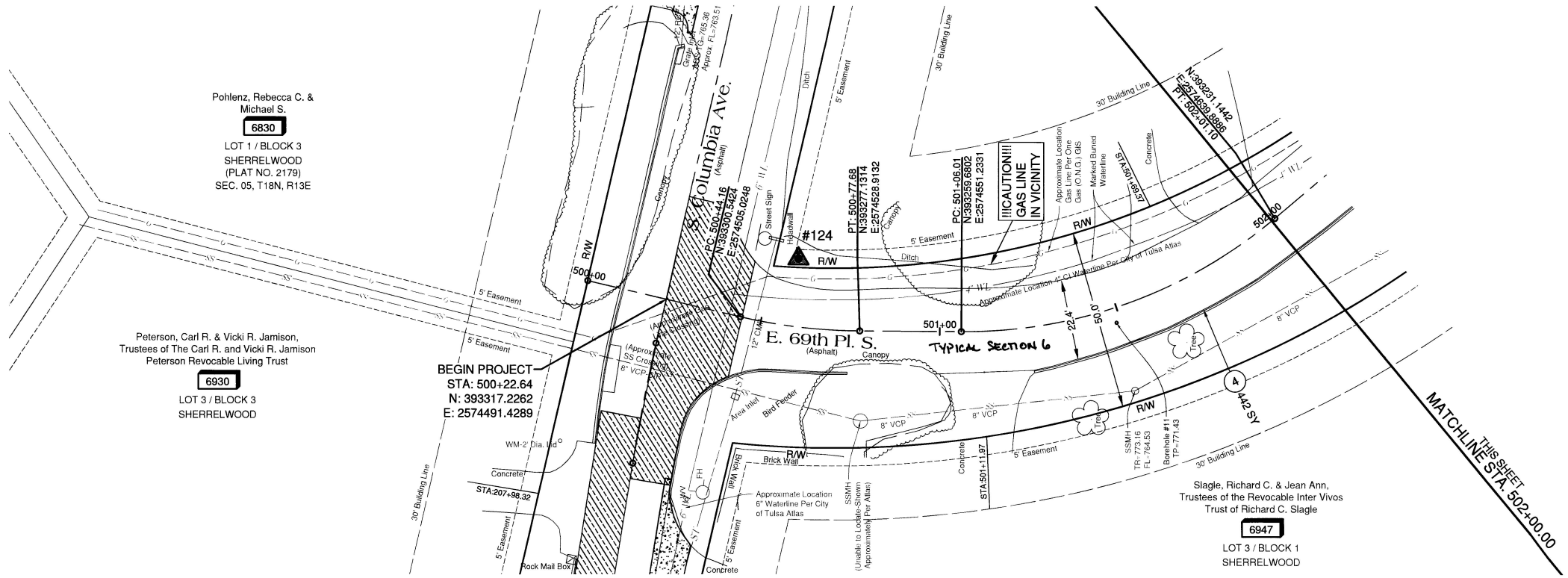
ATLAS PAGE NO.: 389, 472, 563

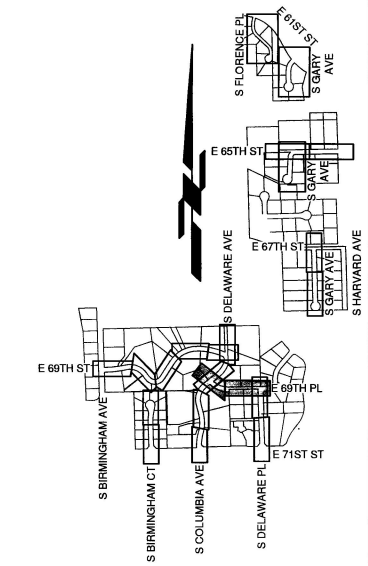
SHEET 33 OF 44 SHEETS

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

PLOT DATE: 12/15/2023 10:28 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 0400 E 69TH ST.DWG

G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0400 E 69TH ST.dwg, 12/15/2023 - 10:28 AM





LEGEND

1	CONCRETE DRIVEWAY (6"-H.E.S.)
2	ADJUST TO GRADE
3	COMBINED CURB AND GUTTER 6" BARRIER
4	FABRIC REINFORCEMENT
5	PATCH (SUBGRADE METHOD B)
6	TYPE I PLAIN RIPRAP
Zz	EXISTING STORM INLET
Zz	PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
124	393303.44	2574527.70	767.58
126	393253.16	2575012.95	783.64

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

20 10 0 20
1 IN = 20 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN E 69TH PL (SHEET 1 OF 1)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:

Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

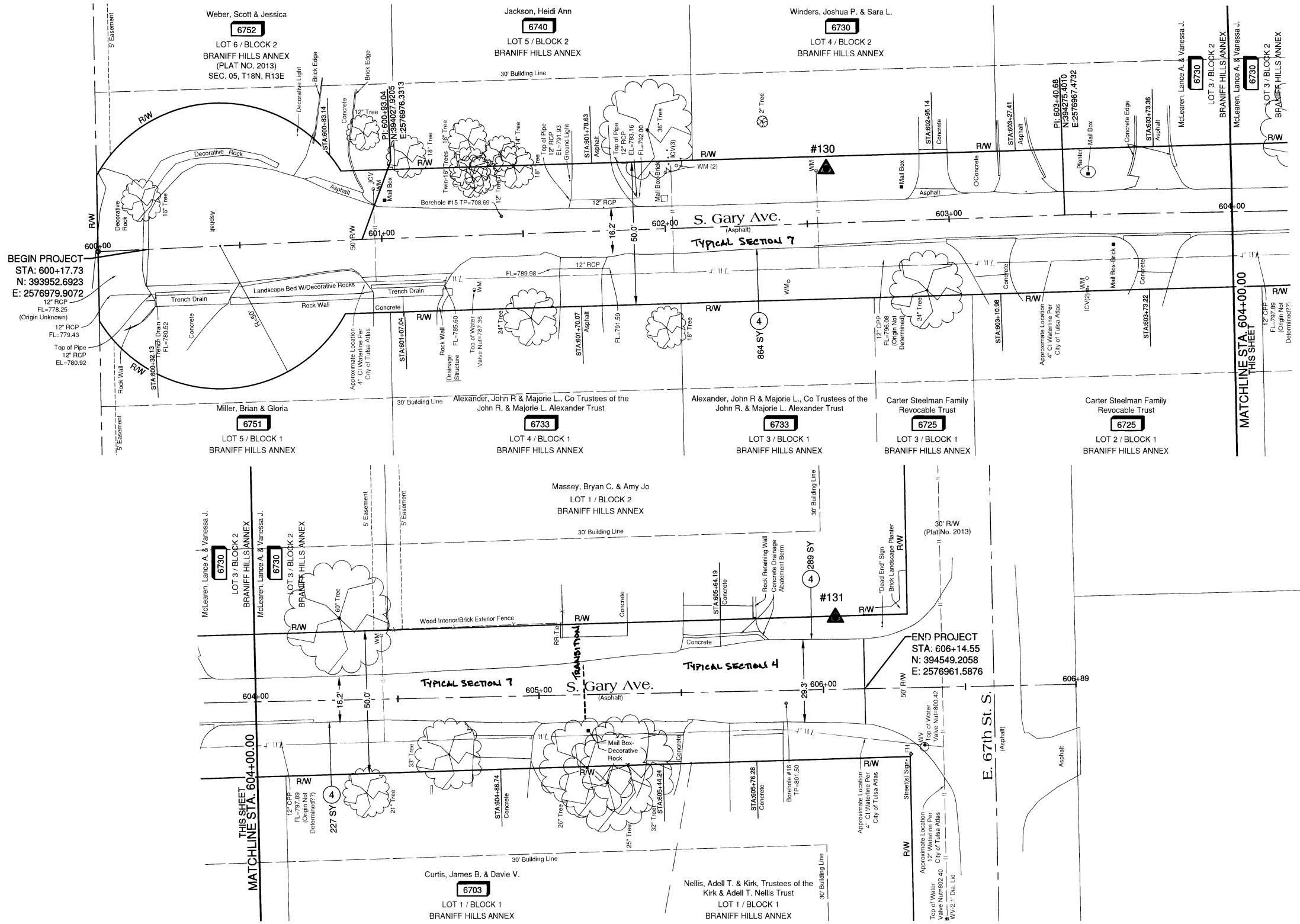
PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.		
HORIZONTAL: 1:20	LEAD ENGR.		09/23
	FIELD MGR.		10/24
VERTICAL: NA	RECOMMENDED: DESIGN MANAGER	HAS	11-24

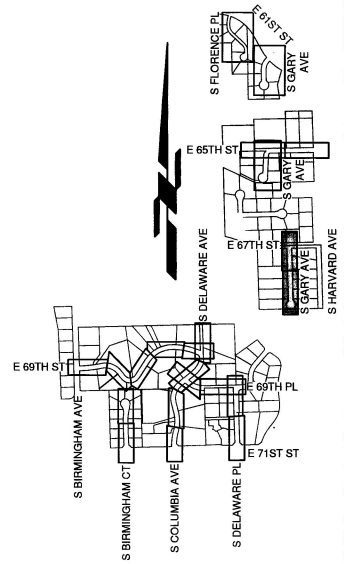
APPROVED: CITY ENGINEER

FILE: G121-151\Rehab\COT 2056 ROADWAY PLAN 0500 E 69TH PL.DWG
DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563
SHEET 34 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:28 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 0500 E 69TH PL.DWG

G121-151\Rehab\COT 2056 ROADWAY PLAN 0500 E 69TH PL.dwg, 12/15/2023 - 10:28 AM





LEGEND

1	CONCRETE DRIVEWAY (6"-H.E.S.)
2	ADJUST TO GRADE
3	COMBINED CURB AND GUTTER 6" BARRIER
4	FABRIC REINFORCEMENT
5	PATCH (SUBGRADE METHOD B)
6	TYPE I PLAIN RIPRAP
	EXISTING STORM INLET
Zz	PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
130	394191.40	2576951.40	796.75
131	394538.88	2576936.60	801.80

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN S GARY AVE (SHEET 1 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

20 10 0 20
1 IN = 20 FT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE HORIZONTAL: 1:20 VERTICAL: NA	PROJ. MGR.	ABK	09/24
	LEAD ENGR.	DD	10/24
	FIELD MGR.	[illegible]	10/24
	RECOMMENDED: DESIGN MANAGER	[illegible]	11-24

APPROVED: CITY ENGINEER

FILE: WE DRAWING: WE-S NOVOCO 2056 NONART PLAN 0600_0700_0800 S GARY

DATE: 11/18/24

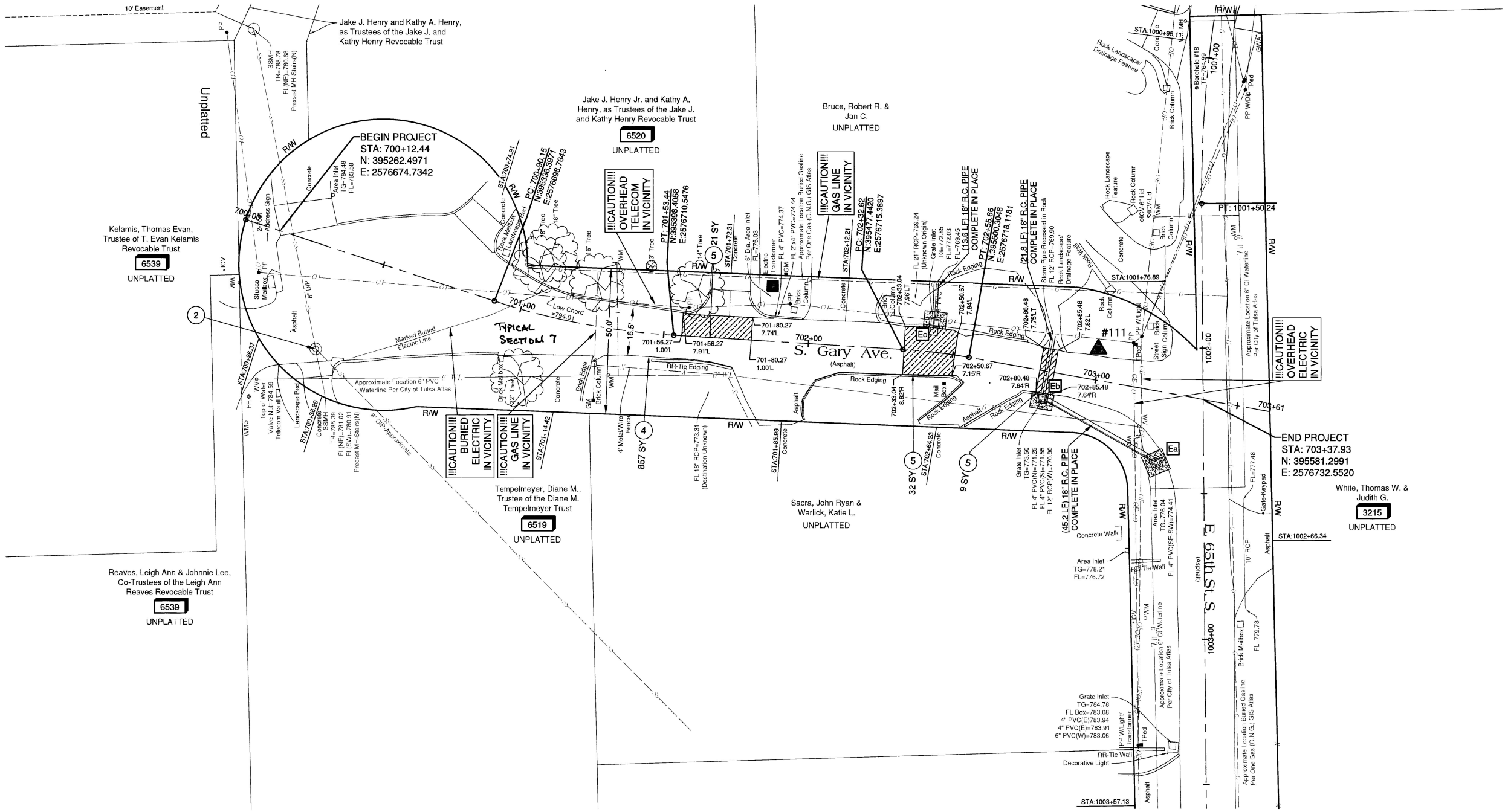
ATLAS PAGE NO.: 389, 472, 563

SHEET 35 OF 44 SHEETS

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

PLOT DATE: 12/15/2023 10:29 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 0600_0700_0800 S GARY AVE.DWG

G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0600_0700_0800 S GARY AVE.dwg, 12/15/2023 - 10:29 AM



LEGEND

1	CONCRETE DRIVEWAY (6"-H.E.S.)
2	ADJUST TO GRADE
3	COMBINED CURB AND GUTTER 6" BARRIER
4	FABRIC REINFORCEMENT
5	PATCH (SUBGRADE METHOD B)
6	TYPE I PLAIN RIPRAP
Zz	EXISTING STORM INLET
Zz	PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS▲

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
111	395544.95	2576715.21	773.57

STRUCTURE INFORMATION

Struct. ID	EXIST. TG/TR	PROP. TG/TR	EXIST.FL	PROP.FL	NORTHING	EASTING
Ea	776.04	776.48	774.41	770.55	395564.646	2576754.423
Eb	773.50	773.62	770.90	770.10	395525.623	2576732.273
Ec	772.85	773.03	769.45	769.62	395488.519	2576706.163

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

20 10 0 20
1 IN = 20 FT

BEFORE YOU DIG ...
1-800-522-6543
CALL OKIE

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN S GARY AVE (SHEET 2 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE HORIZONTAL: 1:20 VERTICAL: NA	PROJ. MGR.	ARK	09/23
	LEAD ENGR.		10/24
	FIELD MGR.		
	RECOMMENDED: DESIGN MANAGER	HAS	11-24

APPROVED: CITY ENGINEER

FILE: M:\ENGR\COT 2056 ROADWAY PLAN 0600_0700_0800 S GARY AVE.dwg DRAWING: NE

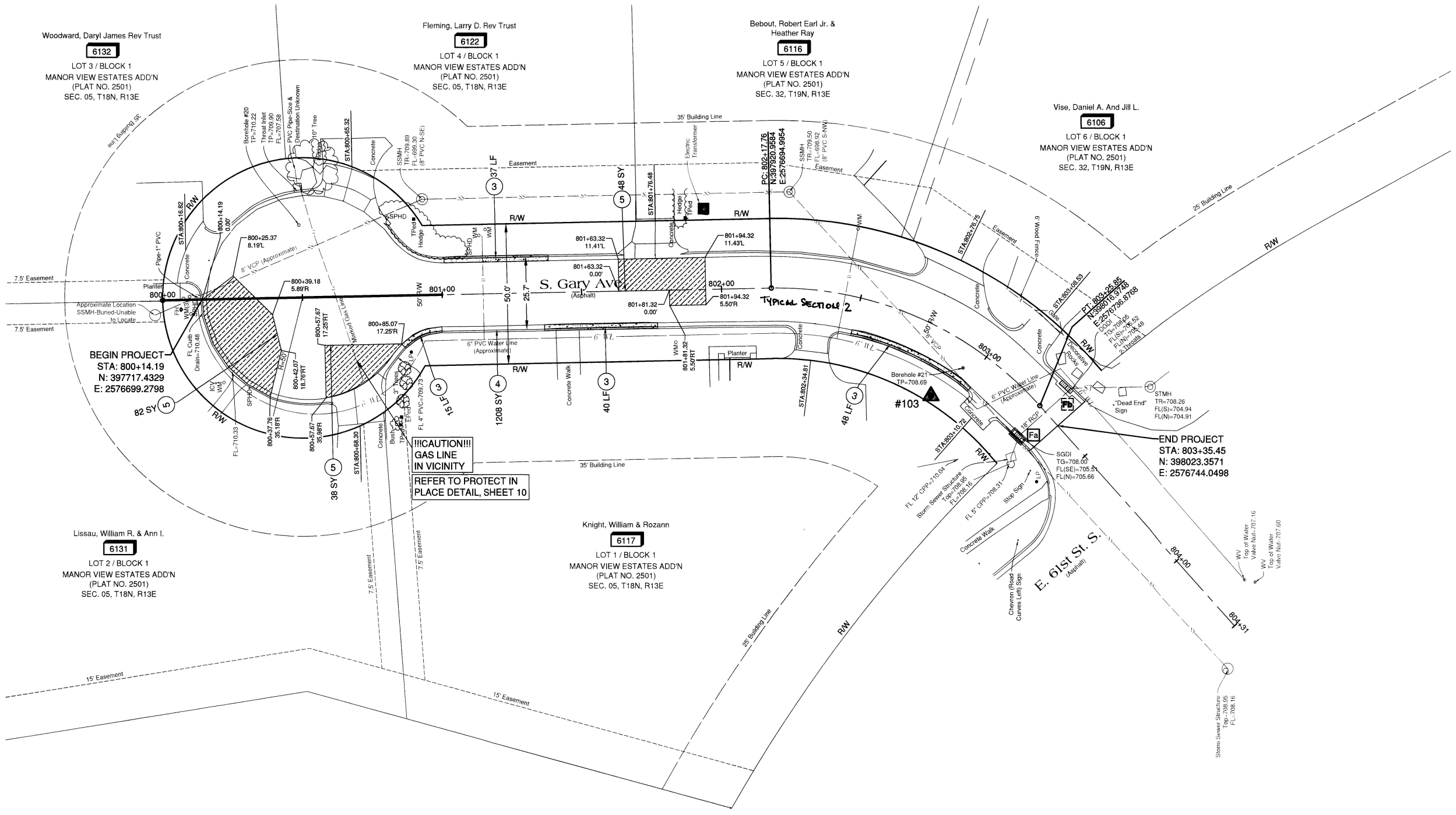
DATE: 11/18/24

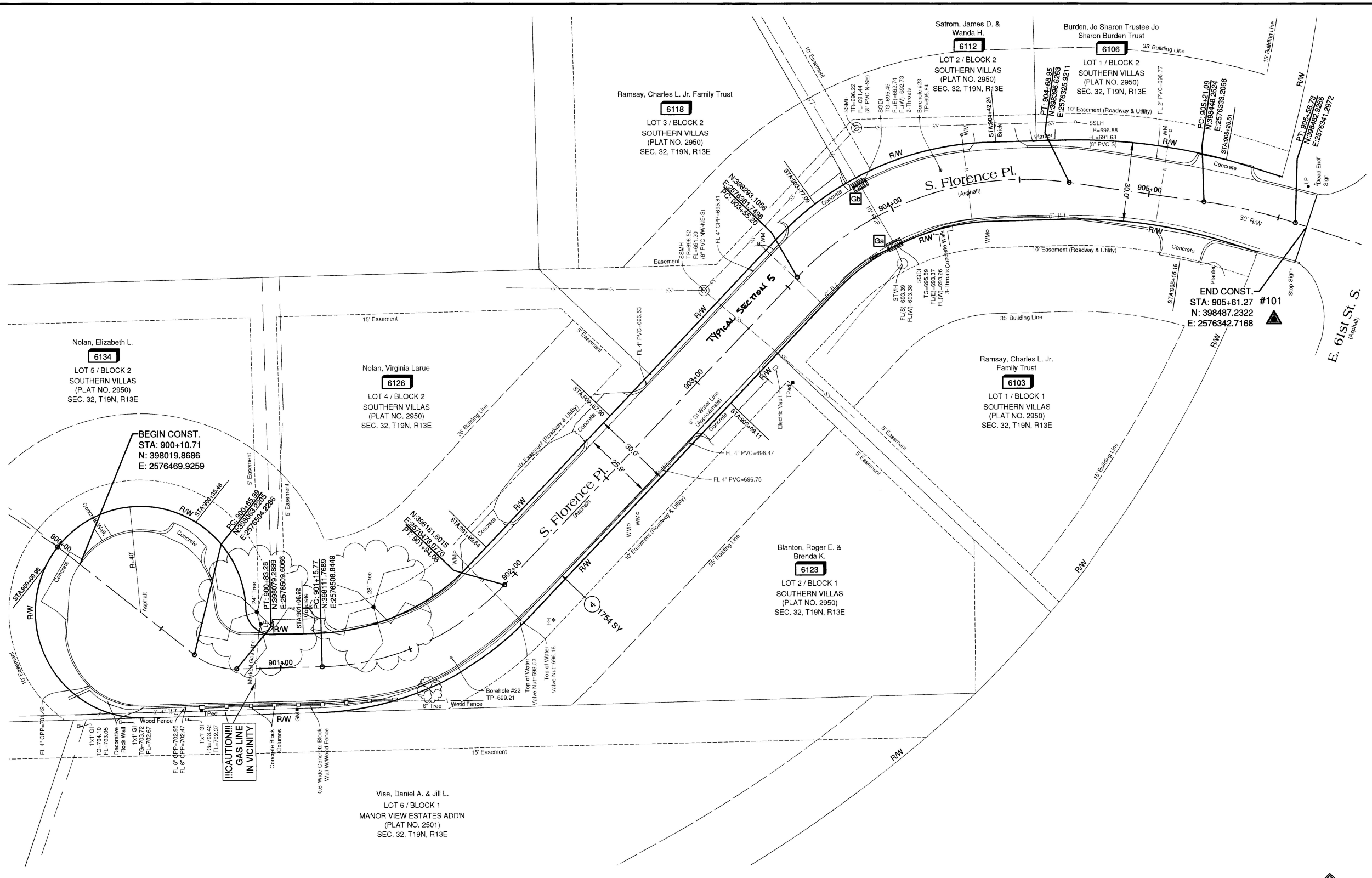
ATLAS PAGE NO.: 389, 472, 563

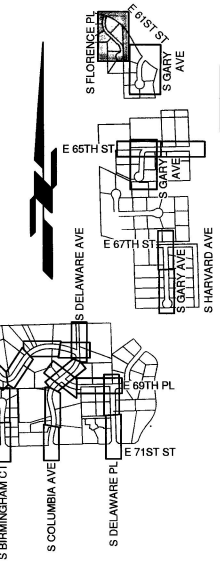
SHEET 36 OF 44 SHEETS

PLOT DATE: 12/15/2023 10:29 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 0600_0700_0800 S GARY AVE.DWG

G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0600_0700_0800 S GARY AVE.dwg, 12/15/2023 - 10:29 AM


Woodward, Daryl James Rev Trust
6132
LOT 3 / BLOCK 1
MANOR VIEW ESTATES ADD'N
(PLAT NO. 2501)
SEC. 05, T18N, R13E
Fleming, Larry D. Rev Trust
6122
LOT 4 / BLOCK 1
MANOR VIEW ESTATES ADD'N
(PLAT NO. 2501)
SEC. 05, T18N, R13E
Bebout, Robert Earl Jr. & Heather Ray
6116
LOT 5 / BLOCK 1
MANOR VIEW ESTATES ADD'N
(PLAT NO. 2501)
SEC. 32, T19N, R13E
Vise, Daniel A. And Jill L.
6106
LOT 6 / BLOCK 1
MANOR VIEW ESTATES ADD'N
(PLAT NO. 2501)
SEC. 32, T19N, R13E
Lissau, William R. & Ann I.
6131
LOT 2 / BLOCK 1
MANOR VIEW ESTATES ADD'N
(PLAT NO. 2501)
SEC. 05, T18N, R13E
Knight, William & Rozann
6117
LOT 1 / BLOCK 1
MANOR VIEW ESTATES ADD'N
(PLAT NO. 2501)
SEC. 05, T18N, R13E
S. Gary Ave
(Asphalt)
E. 61st St. S.
(Asphalt)
TYPICAL SECTION 2
BEGIN PROJECT
STA: 800+14.19
N: 397717.4329
E: 2576699.2798
END PROJECT
STA: 803+35.45
N: 398023.3571
E: 2576744.0498
!!!CAUTION!!!
GAS LINE
IN VICINITY
REFER TO PROTECT IN
PLACE DETAIL, SHEET 10
#103
82 SY
37 LF
148 SY
1208 SY
15 LF
40 LF
38 SY
48 LF
PC: 802+17.76
N:397920.3584
E:2576694.9954
PT: 803+25.85
N:398016.9746
E:2576738.8769
35' Building Line
25' Building Line
7.5' Easement
15' Easement
50' R/W
R/W
6" PVC Water Line (Approximate)
8" VCP (Approximate)
Maxwell Gas Line
Concrete Walk
Planter
Concrete
Asphalt
Borehole #20
TP=710.22
Borehole #21
TP=708.69
Throat Inlet
TG=709.38
FL=707.58
PVC Pipe-Size & Destination Unknown
10" Tree
SSMH
TR=709.83
FL=699.93
(8" PVC N-SE)
SSMH
TR=709.50
FL=699.62
(8" PVC S-NW)
Electric Transformer
6" WWM
Fence
Hedge
SPHD
WM
Pipe-1" PVC
FH
WV
Fire Hydrant
Water Valve
FL Curb Drain=708.48
ICV
Valve
Box
SPHD
TP=709.73
FL 4" PVC=709.73
FL=710.33
FL 12" CPP=710.04
Storm Sewer Structure
Top=708.85
FL=708.10
FL 5' CPP=708.31
Stop Sign
Concrete Walk
SGDI
TG=708.00
FL(SE)=705.51
FL(N)=705.66
"Dead End" Sign
STMH
TR=708.26
FL(S)=704.94
FL(N)=704.91
Chevron (Road Curves Left) Sign
Storm Sewer Structure
Top=708.95
FL=708.16
WV
Top of Water Valve Nut=707.16
Top of Water Valve Nut=707.60
Fa
Fb
STA:800+16.82
STA:800+65.32
STA:801+76.48
STA:802+76.75
STA:803+08.35
STA:803+10.72
STA:802+34.81
STA:800+68.30
800+00
801+00
802+00
803+00
804+00
804+31
800+14.19
0.00'R
800+25.37
8.19'L
800+39.18
5.89'R
800+42.07
18.76'RT
800+57.67
17.25'RT
800+57.76
35.19'R
800+57.67
35.98'R
800+85.07
17.25'R
801+63.32
11.41'L
801+63.32
0.00
801+81.32
0.00'
801+81.32
5.59'RT
801+94.32
11.43'L
801+94.32
5.50'R
Approximate Location SSMH-Buried-Unable to Locate
Planter
Concrete
Concrete Walk
Asphalt
Concrete
Concrete
Concrete





LEGEND

1	CONCRETE DRIVEWAY (6"-H.E.S.)
2	ADJUST TO GRADE
3	COMBINED CURB AND GUTTER 6" BARRIER
4	FABRIC REINFORCEMENT
5	PATCH (SUBGRADE METHOD B)
6	TYPE I PLAIN RIPRAP
Zz	EXISTING STORM INLET
Zz	PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
101	398474.72	2576377.87	697.43

STRUCTURE INFORMATION

Struct. ID	EXIST. TG/TR	PROP. TG/TR	EXIST.FL	PROP.FL	NORTHING	EASTING
Ga	659.59	695.59	693.26	693.26	398330.304	2576349.843
Gb	695.45	695.45	692.73	692.73	398316.895	2576326.585

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

20 10 0 20
1 IN = 20 FT

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN S FLORENCE PL (SHEET 1 OF 1)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

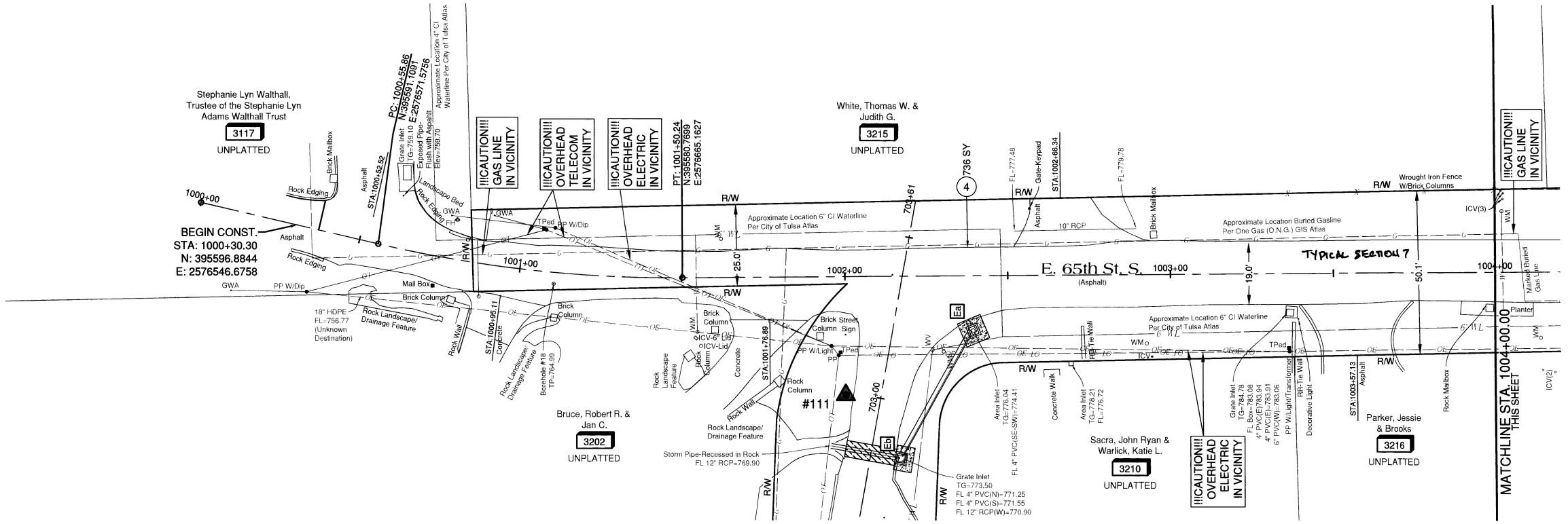
PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

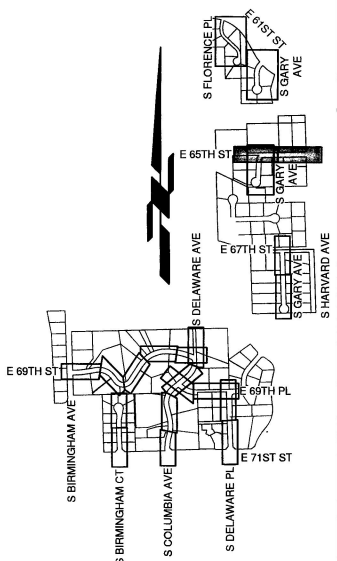
PLAN SCALE 1:20	DRAWN	JMS	12/2023	APPROVED:
	DESIGNED	AAT	12/2023	
	SURVEY	BDL	12/2023	
PROFILE SCALE HORIZONTAL: 1:20 VERTICAL: NA	PROJ. MGR.	ARL	01/24	
	LEAD ENGR.	DN	01/24	
	FIELD MGR.			
	RECOMMENDED: DESIGN MANAGER	HAS	11:24	CITY ENGINEER
FILE: G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0900 S FLORENCE PL	DRAWING:			DATE: 01/18/24
ATLAS PAGE NO.: 389, 472, 563				SHEET 38 OF 44 SHEETS

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

PLOT DATE: 12/15/2023 10:29 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 0900 S FLORENCE PL.DWG

G:\21-151\Rehab\COT 2056 ROADWAY PLAN 0900 S FLORENCE PL.dwg, 12/15/2023 - 10:29 AM





LEGEND

1	CONCRETE DRIVEWAY (6"-H.E.S.)
2	ADJUST TO GRADE
3	COMBINED CURB AND GUTTER 6" BARRIER
4	FABRIC REINFORCEMENT
5	PATCH (SUBGRADE METHOD B)
6	TYPE I PLAIN RIPRAP
	EXISTING STORM INLET
Zz	PROPOSED STORM INLET

SCHEDULE OF CONTROL POINTS

PT. NO.	NORTHING	EASTING	ELEVATION NAVD 1988
111	395544.95	2576715.21	773.57
129	395614.70	2577211.16	792.99

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

20 10 0 20
1 IN = 20 FT

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN E 65TH ST (SHEET 1 OF 1)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE 1:20	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.		
HORIZONTAL: 1:20	LEAD ENGR.		
	FIELD MGR.		
VERTICAL: NA	RECOMMENDED: DESIGN MANAGER		

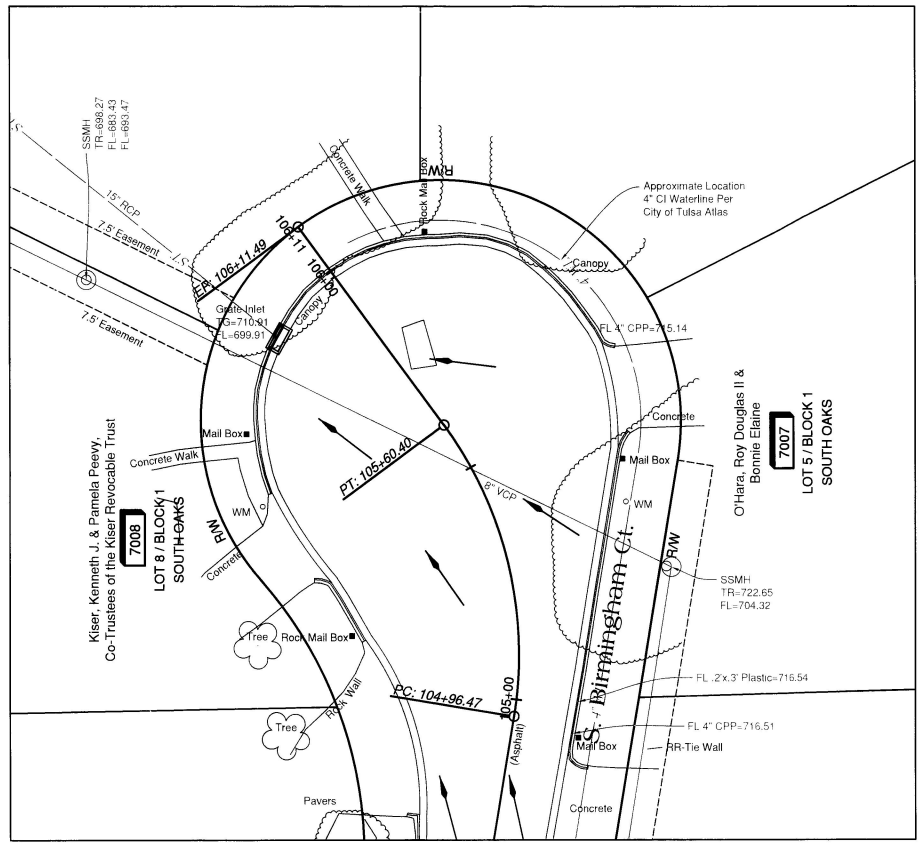
APPROVED:
CITY ENGINEER
DATE: 11/13/24

FILE: G:\21-151\Rehab\COT 2056 ROADWAY PLAN 1000 E 65TH ST.dwg
DRAWING#:
ATLAS PAGE NO.: 389, 472, 563
SHEET 39 OF 44 SHEETS

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

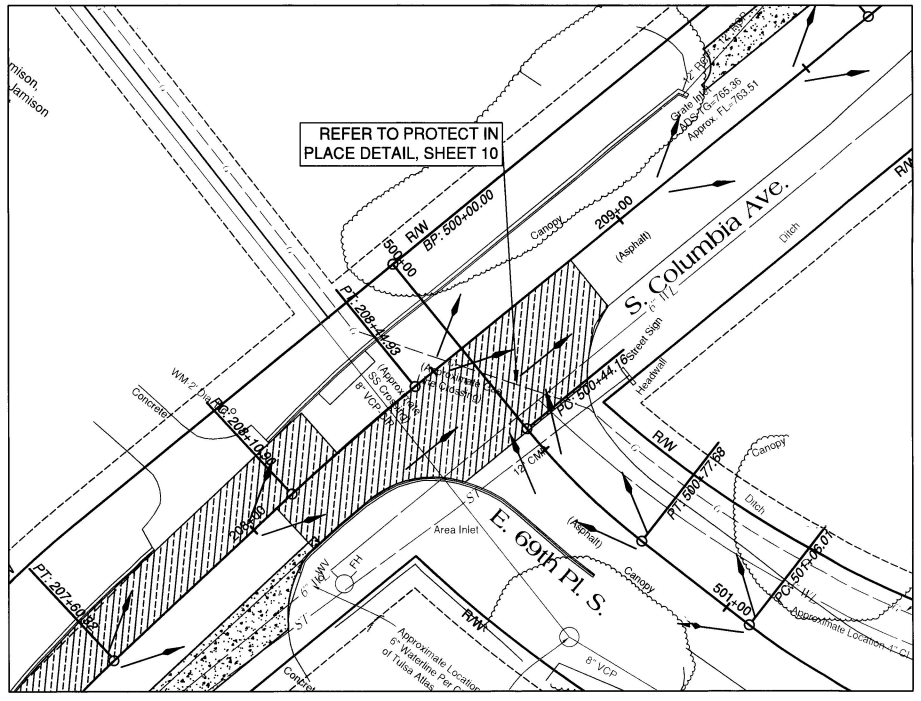
PLOT DATE: 12/15/2023 10:30 AM, DRAWING NAME: COT 2056 ROADWAY PLAN 1000 E 65TH ST.DWG

G:\21-151\Rehab\COT 2056 ROADWAY PLAN 1000 E 65TH ST.dwg, 12/15/2023 - 10:30 AM



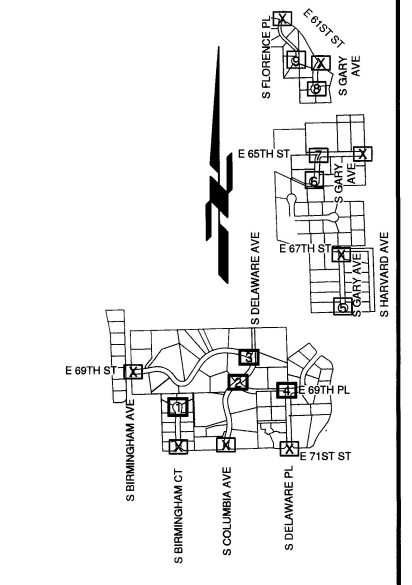
1 Intersection Detail

SCALE: 1" = 20'



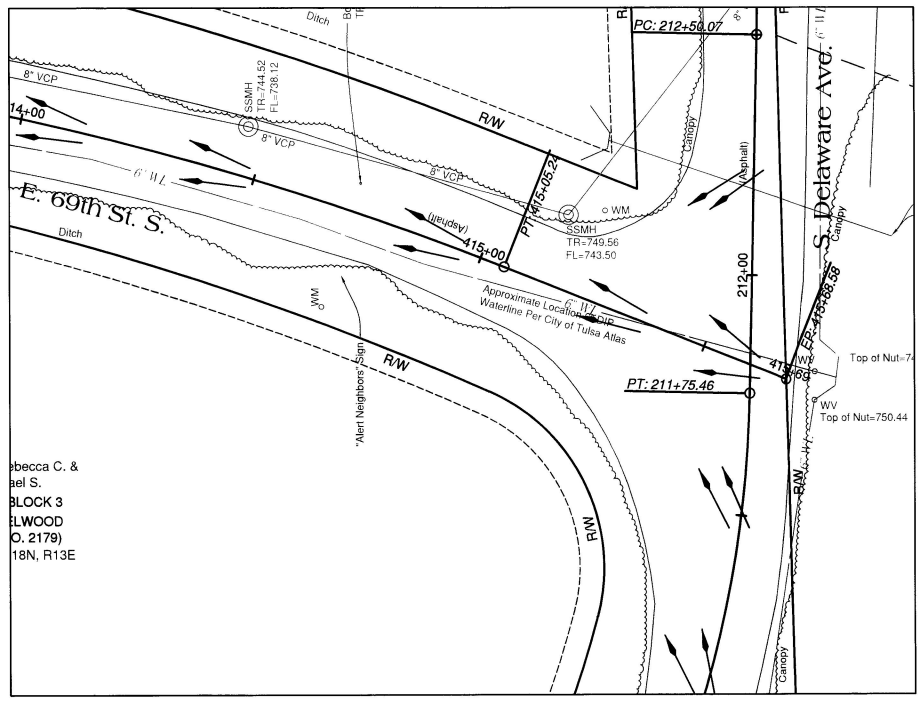
2 Intersection Detail

SCALE: 1" = 20'



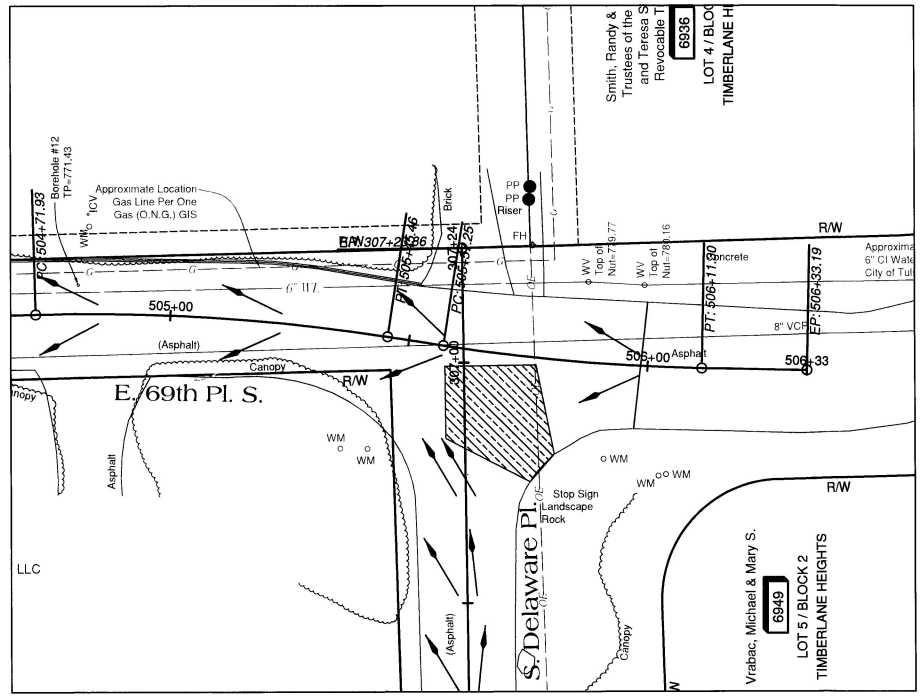
LEGEND

- FLOW DIRECTION
- CONCRETE DRIVEWAY (6"-H.E.S.)
- PATCH (SUBGRADE METHOD B)
- INTERSECTION OUTSIDE PROJECT LIMITS



3 Intersection Detail

SCALE: 1" = 20'



4 Intersection Detail

SCALE: 1" = 20'

20 10 0 20

1 IN = 20 FT

NON ARTERIAL STREET MAINTENANCE

INTERSECTION DETAILS (1 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

REVISION	BY	DATE

PLAN SCALE 1" = 20'	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	ARK	09/25
HORIZONTAL: N/A :20	LEAD ENGR.		10/24
	FIELD MGR.		6/24
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER		11-24

APPROVED: CITY ENGINEER

DATE: 11/18/24

FILE: G:\21-151\Rehab\COT 2056 INT1 DRAWING:

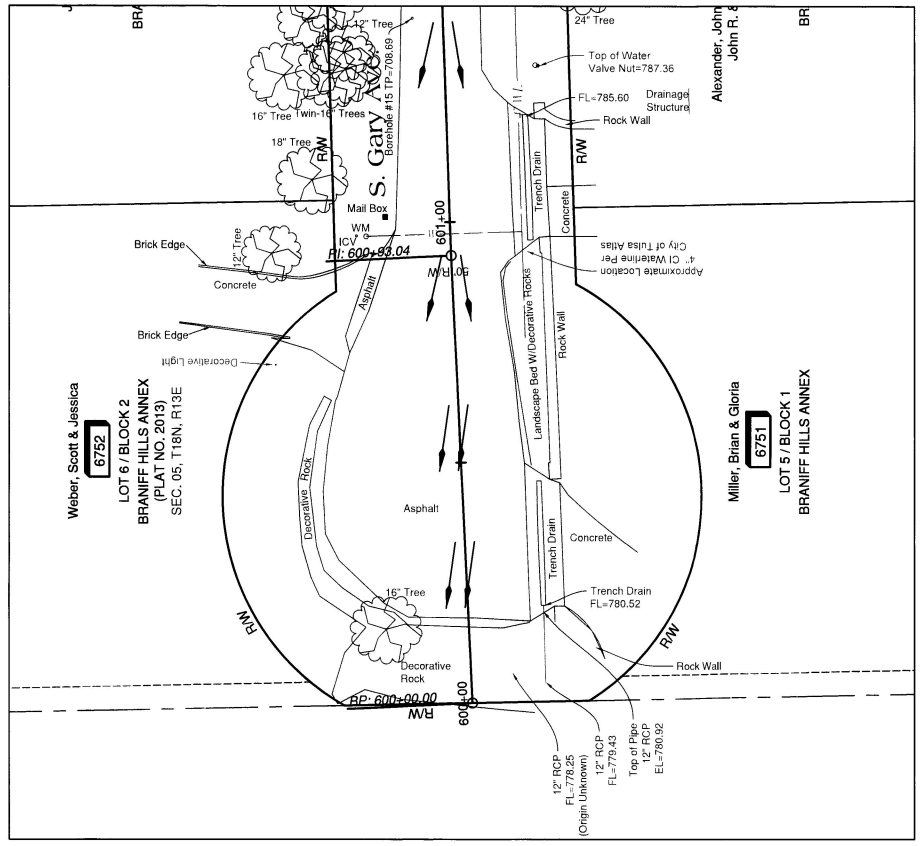
ATLAS PAGE NO.: 389, 472, 563

SHEET 40 OF 44 SHEETS

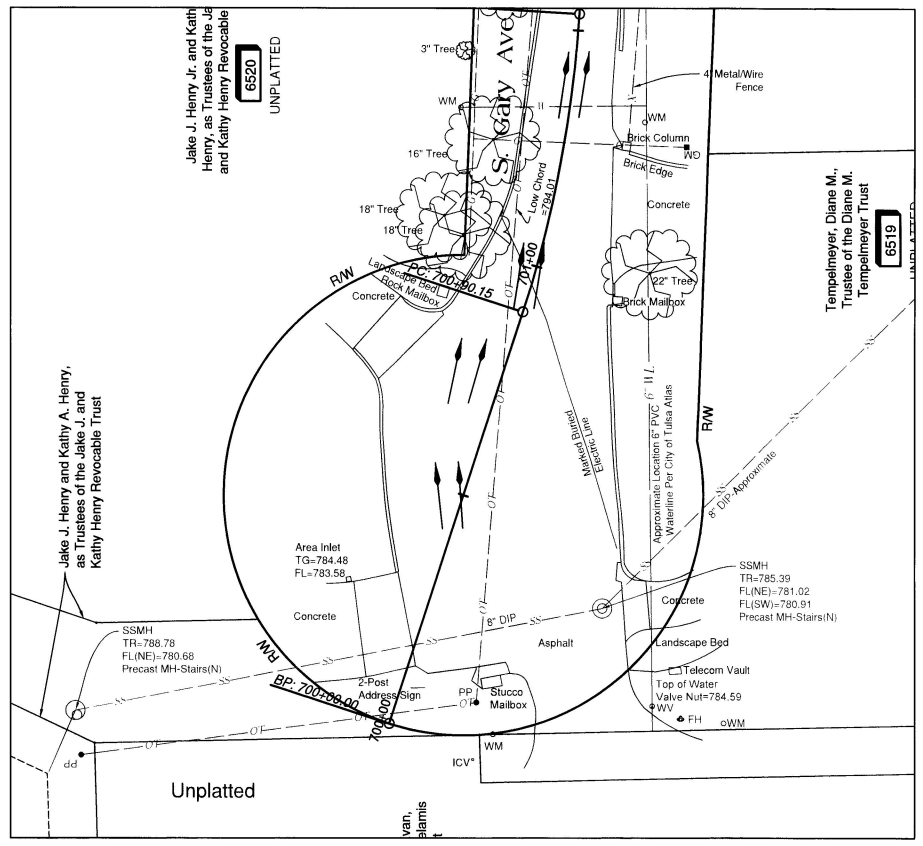
BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

PLOT DATE: 12/29/2023 2:34 PM, DRAWING NAME: COT 2056 INT1.DWG

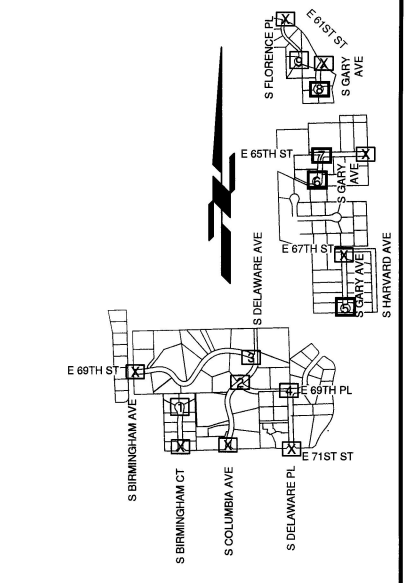
G:\21-151\Rehab\COT 2056 INT1.dwg, 12/29/2023 - 2:34 PM



5 **Intersection Detail**
SCALE: 1" = 20'

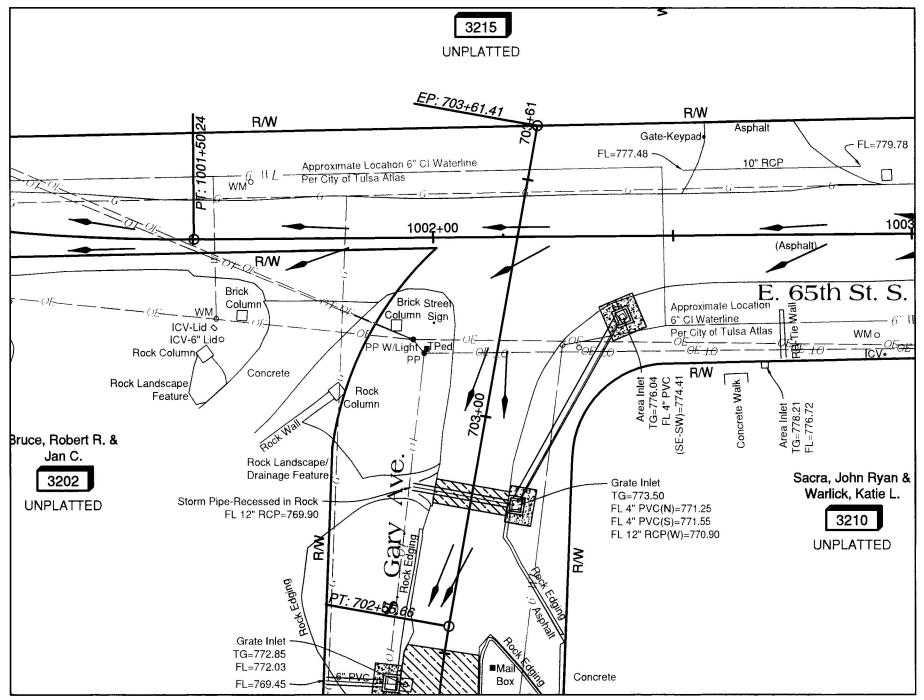


6 **Intersection Detail**
SCALE: 1" = 20'

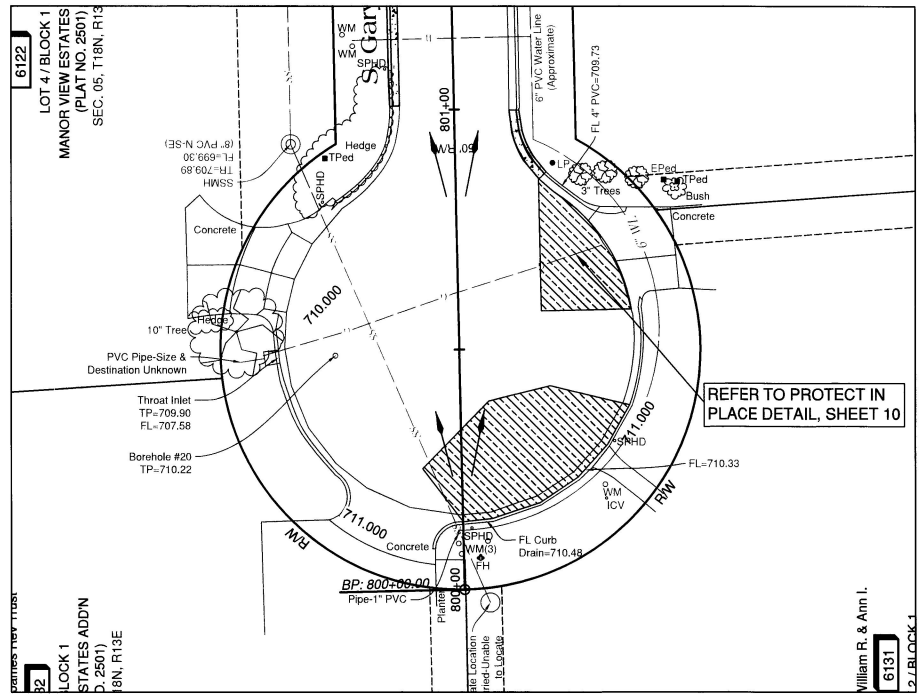


LEGEND

- FLOW DIRECTION
- CONCRETE DRIVEWAY (6"-H.E.S.)
- PATCH (SUBGRADE METHOD B)
- INTERSECTION OUTSIDE PROJECT LIMITS



7 **Intersection Detail**
SCALE: 1" = 20'



8 **Intersection Detail**
SCALE: 1" = 20'

20 10 0 20
1 IN = 20 FT

REVISION	BY	DATE

PLAN SCALE 1" = 20'	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE HORIZONTAL: N/A :20 VERTICAL: N/ANA	PROJ. MGR.	ARR	12/29/23
	LEAD ENGR.		10/09
	FIELD MGR.		10/24
	RECOMMENDED: DESIGN MANAGER		11:24
FILE: G:\21-151\Rehab\COT 2056 INT1	DRAWING:		
ATLAS PAGE NO.: 389, 472, 563			

APPROVED:

CITY ENGINEER

DATE: 11/28/23

SHEET 41 OF 44 SHEETS

NON ARTERIAL STREET MAINTENANCE

INTERSECTION DETAILS (2 OF 3)

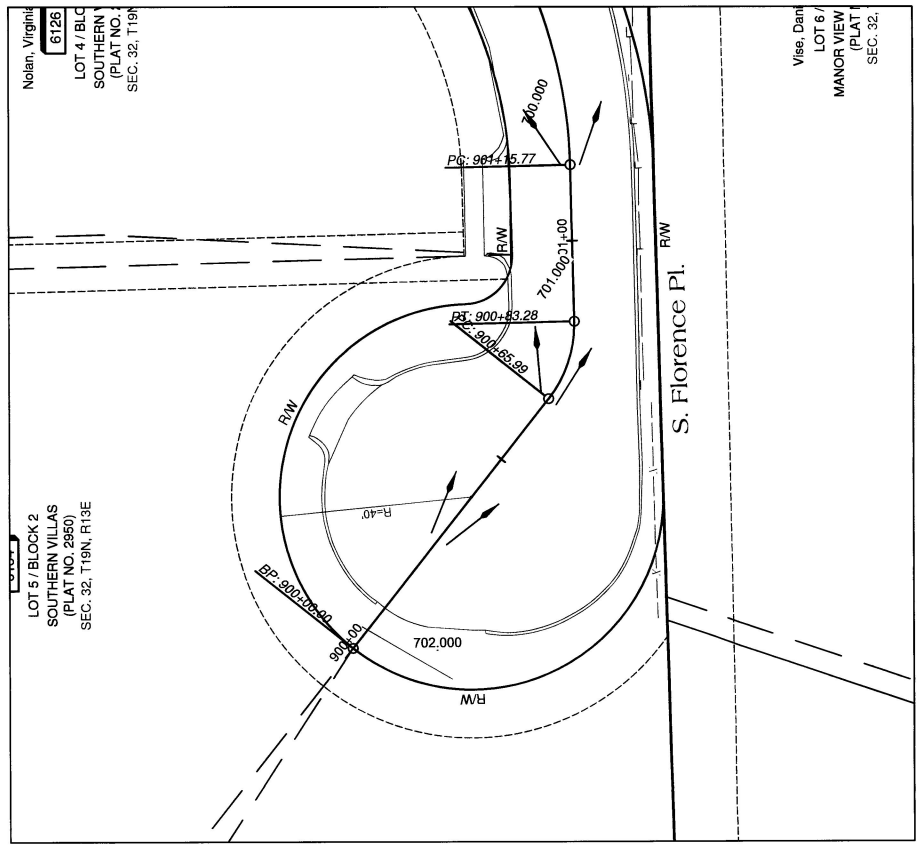
MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

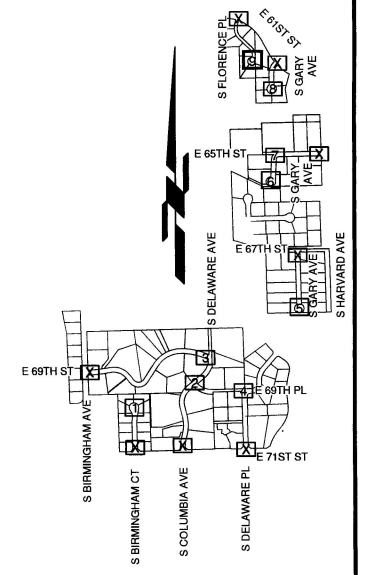
PLANS & ESTIMATES PREPARED BY:
tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

BEFORE YOU DIG ...
1-800-522-6543
CALL OKIE

PLOT DATE: 12/29/2023 2:14 PM, DRAWING NAME: COT 2056 INT1.DWG
G:\21-151\Rehab\COT 2056 INT1.dwg, 12/29/2023 - 2:14 PM



9 **Intersection Detail**
SCALE: 1" = 20'



LEGEND

- FLOW DIRECTION
- CONCRETE DRIVEWAY (6"-H.E.S.)
- PATCH (SUBGRADE METHOD B)
- INTERSECTION OUTSIDE PROJECT LIMITS

20 10 0 20
1 IN = 20 FT

BEFORE YOU DIG ...
1-800-522-6543
CALL OKIE

PLOT DATE: 12/15/2023 10:31 AM, DRAWING NAME: COT 2056 INT1.DWG

G:\21-151\Rehab\COT 2056 INT1.dwg, 12/15/2023 - 10:31 AM

REVISION	BY	DATE

NON ARTERIAL STREET MAINTENANCE

INTERSECTION DETAILS (3 OF 3)

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

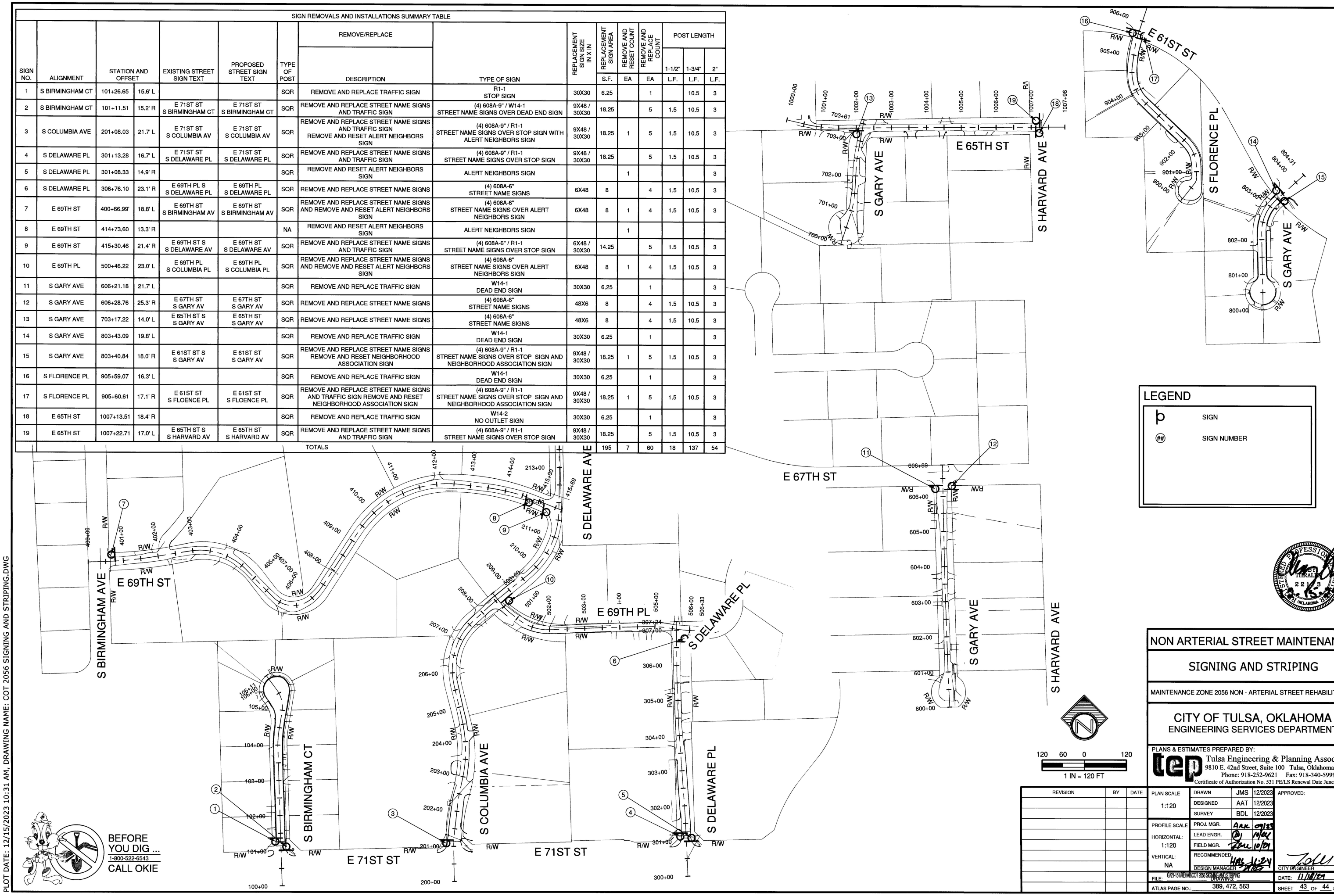
PLAN SCALE 1" = 20'	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE HORIZONTAL: N/A VERTICAL: N/A	PROJ. MGR.	APM	09/23
	LEAD ENGR.	DD	10/24
	FIELD MGR.	TGM	10/24
	RECOMMENDED: DESIGN MANAGER	HAS	11.24

APPROVED: CITY ENGINEER

FILE: G:\21-151\REHAB\COT 2056 INT DRAWING:
DATE: 11/18/24
ATLAS PAGE NO.: 389, 472, 563
SHEET 42 OF 44 SHEETS

SIGN REMOVALS AND INSTALLATIONS SUMMARY TABLE

SIGN NO.	ALIGNMENT	STATION AND OFFSET		EXISTING STREET SIGN TEXT	PROPOSED STREET SIGN TEXT	TYPE OF POST	REMOVE/REPLACE DESCRIPTION	TYPE OF SIGN	REPLACEMENT SIGN SIZE IN X IN	REPLACEMENT SIGN AREA	REMOVE AND RESET COUNT	REMOVE AND REPLACE COUNT	POST LENGTH 1-1/2"	POST LENGTH 1-3/4"	POST LENGTH 2"
										S.F.	EA	EA	L.F.	L.F.	L.F.
1	S BIRMINGHAM CT	101+26.65	15.6' L			SQR	REMOVE AND REPLACE TRAFFIC SIGN	R1-1 STOP SIGN	30X30	6.25		1		10.5	3
2	S BIRMINGHAM CT	101+11.51	15.2' R	E 71ST ST S BIRMINGHAM CT	E 71ST ST S BIRMINGHAM CT	SQR	REMOVE AND REPLACE STREET NAME SIGNS AND TRAFFIC SIGN	(4) 608A-9" / W14-1 STREET NAME SIGNS OVER DEAD END SIGN	9X48 / 30X30	18.25		5	1.5	10.5	3
3	S COLUMBIA AVE	201+08.03	21.7' L	E 71ST ST S COLUMBIA AV	E 71ST ST S COLUMBIA AV	SQR	REMOVE AND REPLACE STREET NAME SIGNS AND TRAFFIC SIGN REMOVE AND RESET ALERT NEIGHBORS SIGN	(4) 608A-9" / R1-1 STREET NAME SIGNS OVER STOP SIGN WITH ALERT NEIGHBORS SIGN	9X48 / 30X30	18.25	1	5	1.5	10.5	3
4	S DELAWARE PL	301+13.28	16.7' L	E 71ST ST S DELAWARE PL	E 71ST ST S DELAWARE PL	SQR	REMOVE AND REPLACE STREET NAME SIGNS AND TRAFFIC SIGN	(4) 608A-9" / R1-1 STREET NAME SIGNS OVER STOP SIGN	9X48 / 30X30	18.25		5	1.5	10.5	3
5	S DELAWARE PL	301+08.33	14.9' R			SQR	REMOVE AND RESET ALERT NEIGHBORS SIGN	ALERT NEIGHBORS SIGN			1				3
6	S DELAWARE PL	306+76.10	23.1' R	E 69TH PL S S DELAWARE PL	E 69TH PL S DELAWARE PL	SQR	REMOVE AND REPLACE STREET NAME SIGNS	(4) 608A-6" STREET NAME SIGNS	6X48	8		4	1.5	10.5	3
7	E 69TH ST	400+66.99'	18.8' L	E 69TH ST S BIRMINGHAM AV	E 69TH ST S BIRMINGHAM AV	SQR	REMOVE AND REPLACE STREET NAME SIGNS AND REMOVE AND RESET ALERT NEIGHBORS SIGN	(4) 608A-6" STREET NAME SIGNS OVER ALERT NEIGHBORS SIGN	6X48	8	1	4	1.5	10.5	3
8	E 69TH ST	414+73.60	13.3' R			NA	REMOVE AND RESET ALERT NEIGHBORS SIGN	ALERT NEIGHBORS SIGN			1				
9	E 69TH ST	415+30.46	21.4' R	E 69TH ST S S DELAWARE AV	E 69TH ST S DELAWARE AV	SQR	REMOVE AND REPLACE STREET NAME SIGNS AND TRAFFIC SIGN	(4) 608A-6" / R1-1 STREET NAME SIGNS OVER STOP SIGN	6X48 / 30X30	14.25		5	1.5	10.5	3
10	E 69TH PL	500+46.22	23.0' L	E 69TH PL S COLUMBIA PL	E 69TH PL S COLUMBIA PL	SQR	REMOVE AND REPLACE STREET NAME SIGNS AND REMOVE AND RESET ALERT NEIGHBORS SIGN	(4) 608A-6" STREET NAME SIGNS OVER ALERT NEIGHBORS SIGN	6X48	8	1	4	1.5	10.5	3
11	S GARY AVE	606+21.18	21.7' L			SQR	REMOVE AND REPLACE TRAFFIC SIGN	W14-1 DEAD END SIGN	30X30	6.25		1			3
12	S GARY AVE	606+28.76	25.3' R	E 67TH ST S GARY AV	E 67TH ST S GARY AV	SQR	REMOVE AND REPLACE STREET NAME SIGNS	(4) 608A-6" STREET NAME SIGNS	48X6	8		4	1.5	10.5	3
13	S GARY AVE	703+17.22	14.0' L	E 65TH ST S S GARY AV	E 65TH ST S GARY AV	SQR	REMOVE AND REPLACE STREET NAME SIGNS	(4) 608A-6" STREET NAME SIGNS	48X6	8		4	1.5	10.5	3
14	S GARY AVE	803+43.09	19.8' L			SQR	REMOVE AND REPLACE TRAFFIC SIGN	W14-1 DEAD END SIGN	30X30	6.25		1			3
15	S GARY AVE	803+40.84	18.0' R	E 61ST ST S S GARY AV	E 61ST ST S GARY AV	SQR	REMOVE AND REPLACE STREET NAME SIGNS REMOVE AND RESET NEIGHBORHOOD ASSOCIATION SIGN	(4) 608A-9" / R1-1 STREET NAME SIGNS OVER STOP SIGN AND NEIGHBORHOOD ASSOCIATION SIGN	9X48 / 30X30	18.25	1	5	1.5	10.5	3
16	S FLORENCE PL	905+59.07	16.3' L			SQR	REMOVE AND REPLACE TRAFFIC SIGN	W14-1 DEAD END SIGN	30X30	6.25		1			3
17	S FLORENCE PL	905+60.61	17.1' R	E 61ST ST S FLOENCE PL	E 61ST ST S FLOENCE PL	SQR	REMOVE AND REPLACE STREET NAME SIGNS AND TRAFFIC SIGN REMOVE AND RESET NEIGHBORHOOD ASSOCIATION SIGN	(4) 608A-9" / R1-1 STREET NAME SIGNS OVER STOP SIGN AND NEIGHBORHOOD ASSOCIATION SIGN	9X48 / 30X30	18.25	1	5	1.5	10.5	3
18	E 65TH ST	1007+13.51	18.4' R			SQR	REMOVE AND REPLACE TRAFFIC SIGN	W14-2 NO OUTLET SIGN	30X30	6.25		1			3
19	E 65TH ST	1007+22.71	17.0' L	E 65TH ST S S HARVARD AV	E 65TH ST S HARVARD AV	SQR	REMOVE AND REPLACE STREET NAME SIGNS AND TRAFFIC SIGN	(4) 608A-9" / R1-1 STREET NAME SIGNS OVER STOP SIGN	9X48 / 30X30	18.25		5	1.5	10.5	3
							TOTALS			195	7	60	18	137	54



LEGEND

- SIGN
- (##) SIGN NUMBER

120 60 0 120

1 IN = 120 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

REVISION	BY	DATE

PLAN SCALE 1:120

PROFILE SCALE HORIZONTAL: 1:120 VERTICAL: NA

DRAWN	JMS	12/2023	APPROVED:
DESIGNED	AAT	12/2023	
SURVEY	BDL	12/2023	
PROJ. MGR.	AAK	01/24	
LEAD ENGR.		10/24	
FIELD MGR.		10/24	
RECOMMENDED DESIGN MANAGER		11:24	CITY ENGINEER

FILE: G:\21-151\Rehab\COT 2056 SIGNING AND STRIPING DRAWING: DATE: 11/8/24

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NON ARTERIAL STREET MAINTENANCE

SIGNING AND STRIPING

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS & ESTIMATES PREPARED BY:

tep Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLOT DATE: 12/15/2023 10:31 AM, DRAWING NAME: COT 2056 SIGNING AND STRIPING.DWG

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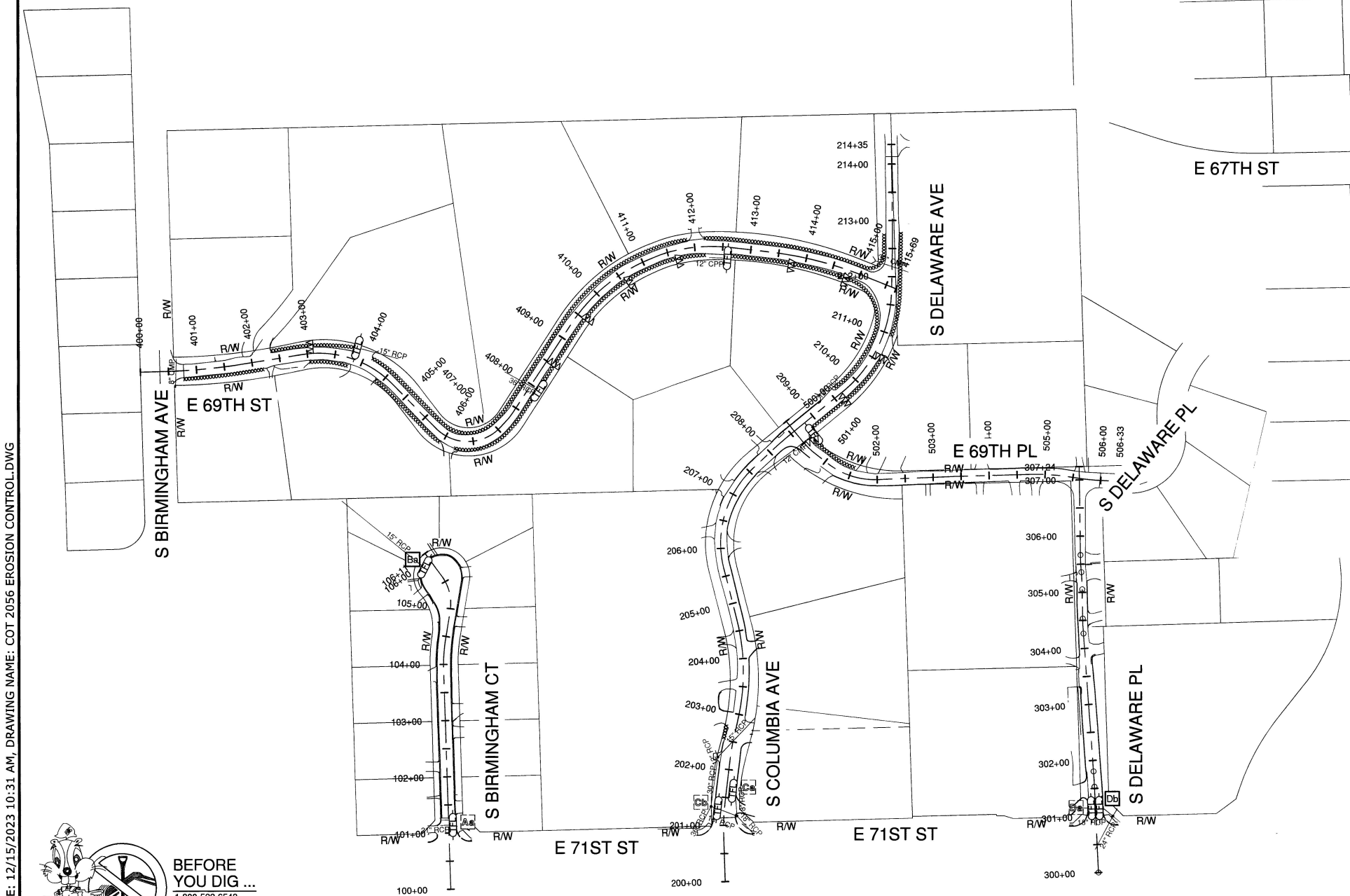
EROSION CONTROL PHASING

PHASE I

1. CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH CITY OF TULSA INSPECTOR AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
2. CONSTRUCT SILT FENCES AND OTHER TEMPORARY EROSION CONTROL DEVICES USING BEST MANAGEMENT PRACTICES. SILT FENCE AND OTHER EROSION CONTROL MEASURES SHOULD BE INSTALLED AND MAINTAINED AT ALL ACTIVE CONSTRUCTION AREAS. EROSION CONTROL MEASURES DO NOT HAVE TO BE INSTALLED UNTIL IMMEDIATELY BEFORE CONSTRUCTION IS STARTED. ONCE A DISTURBED AREA IS PERMANENTLY STABILIZED THE SILT FENCE AND TEMPORARY EROSION CONTROL MEASURES SHOULD BE REMOVED.
3. CONTACT THE CITY OF TULSA INSPECTOR TO PERFORM INSPECTION OF BMPS.
4. CLEAR AND GRUB THE SITE.
5. BEGIN CONSTRUCTION OF DRAINAGE STRUCTURES.

PHASE II

1. TEMPORARILY SEED DISTURBED AREAS IF CONSTRUCTION IS STOPPED OR DELAYED.
2. COMPLETE CONSTRUCTION OF DRAINAGE STRUCTURES.
3. INSTALL SEDIMENT FILTERS AROUND ALL STORM SEWER INLET STRUCTURES.
4. PREPARE SITE FOR PAVING. BY COMPLETING ALL PATCHING AND MILLING OPERATIONS.
5. PAVE STREETS AND REPLACE DRIVEWAYS.
6. COMPLETE INSTALLATION OF PERMANENT VEGETATION.
7. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER ALL WORK IS COMPLETED.



LEGEND

- TEMPORARY SILT DIKE
- TEMPORARY FIBER LOG
- TEMPORARY SILT FENCE

120 60 0 120

1 IN = 120 FT

BEFORE YOU DIG ... 1-800-522-6543 CALL OKIE

NON ARTERIAL STREET MAINTENANCE

EROSION CONTROL

MAINTENANCE ZONE 2056 NON - ARTERIAL STREET REHABILITATION

CITY OF TULSA, OKLAHOMA
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REVISION	BY	DATE

PLAN SCALE 1:120	DRAWN	JMS	12/2023
	DESIGNED	AAT	12/2023
	SURVEY	BDL	12/2023
PROFILE SCALE	PROJ. MGR.	ARK	09/23
HORIZONTAL: 1:120	LEAD ENGR.		10/24
VERTICAL: NA	FIELD MGR.		10/24
	RECOMMENDED DESIGN MANAGER	HAS	11.24

APPROVED: CITY ENGINEER

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DATE: 11/18/24

ATLAS PAGE NO.: 389, 472, 563

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