

TRANSPORTATION (ROADWAY) PAY ITEM NOTES

Version Date: 11/14/2018

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: ALL EXISTING DRAINAGE STRUCTURES SHALL BE CLEANED AND CLEARED OF ALL SEDIMENTATION AND DEBRIS TO THE RIGHT OF WAY. COST OF CLEARING SHALL BE INCLUDED IN THE PRICE BID.

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, AS WELL AS REMOVAL OF ALL SILT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, STORM SEWER PIPES AND APPURTENANCES WITHIN THE PROJECT LIMITS AT END OF PROJECT, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

E-7: EROSION PROTECTION SHALL BE PLACED AS FOLLOWS:

A) AROUND INLETS TO PREVENT INFLOW OF ERODED MATERIAL INTO STORM SEWER SYSTEM.

B) IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY.

C) FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS, AS DIRECTED BY THE ENGINEER.

D) WITH PERIODIC REMOVAL OF SEDIMENT IN ACCORDANCE WITH STORMWATER MANAGEMENT PLAN.

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

E-9: INCLUDES 700 L.F. TEMPORARY SILT FENCE AND 14 EACH TEMPORARY SEDIMENT FILTER (INLET CONTROL).

E-10: ESTIMATED QUANTITY IS BASED ON SODDING OF ALL DISTURBED AREAS OUTSIDE THE FINAL PAVING LIMITS AND WITHIN THE FINAL GRADING LIMITS AS INDICATED BY THE TOP-OF-CUT/TOE-OF-SLOPE LINE ON THE PLANS (EXCLUDING SURFACES OF STRUCTURES, FIXTURES AND APPURTENANCES). SOD SHALL BE OF LIKE KIND TO EXISTING SOD. PRICE BID INCLUDES PLACEMENT AND COMPACTION OF SUITABLE BACKFILL. ANY EXISTING GRASSED AREAS BEYOND THE ABOVE STATED LIMITS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESODDED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.

E-11: COST OF WATERING AND FERTILIZING SHALL BE INCLUDED. FERTILIZING 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: TYPE A AGGREGATE BASE WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 90% OF THE PATCHING. QUICK SET FLOWABLE FILL WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 10% OF THE PATCHING. ACTUAL QUANTITIES TO BE DETERMINED BY THE ENGINEER. ~~INCLUDES 10% OF FOR 5' THICK OF DRIVEWAYS AT HEAVY OVERLAY SECTION.~~

S-2: INCLUDES COMPACTION OF AGGREGATE TO 98% ASHTO 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: A HIGHER GRADE OF ASPHALT BINDER THAN IS INDICATED ON THE PLANS MAY BE USED, BUT AT NO ADDITIONAL COST TO THE CITY.

S-8 (TABLE):

BINDER GRADE	MESALS	ADT	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.

USE ADT ONLY WHEN ESAL COMPUTATIONAL DATA IS NOT AVAILABLE.
CALCULATE THE DESIGN ESAL, BASED ON 20 YEARS.
3PG 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-RAMP/ ON-RAMP 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: ONE SIDEWALK PANEL ON EACH SIDE OF DRIVEWAYS SHALL BE A MINIMUM OF 6" THICK OR MATCH EXISTING DRIVEWAY THICKNESS, WHICHEVER IS GREATER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR COST OF THE THICKENED SIDEWALK THROUGH THIS AREA.

S-18: STAMPED CONCRETE SIDEWALK SHALL BE INSTALLED WITH RUNNING BOND BRICK PATTERN. COLOR SHALL BE INTEGRAL AND MATCH HUE WITH FEDERAL STANDARD AMS-595 # 21105 (RED). OR APPROVED EQUAL. PAINTING OF STAMPED CONCRETE IS PROHIBITED AND WILL RESULT IN REJECTION OF WORK PRODUCT. CONTRACTOR SHALL PROVIDE A 1'X1'X4" TEST SQUARE FOR APPROVAL BY ENGINEER PRIOR TO INSTALLATION, WITH ALL COST INCLUDED IN UNIT PRICE BID FOR STAMPED CONCRETE SIDEWALK.

S-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 SS 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: NOT USED

REMOVAL / ADJUSTMENT (R1 - R9)

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: NOT USED

R-4: INCLUDES SAWING NOT INCLUDED IN OTHER ITEMS OF WORK.

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: MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION.

EXCLUDES MOBILIZATION FOR WATERLINE WORK.

G-3: CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING, PLACING, AND MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY FOR THE PROPER COMPLETION AND INSPECTION OF THE ENTIRE PROJECT.

G-4: THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.

G-5: CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS DAMAGED OR REQUIRING RELOCATION DURING THE CONSTRUCTION OF THIS PROJECT TO THE SATISFACTION OF THE PROPERTY OWNER AND CITY ARBORIST. COST SHALL BE INCLUDED IN THE PRICE BID.

G-6: ALL HOUSE NUMBERS SHALL BE REPLACED REESTABLISHED THROUGHOUT PROJECT LIMITS. COST TO BE INCLUDED IN URBAN RIGHT OF WAY RESTORATION. CONTRACTOR SHALL REESTABLISH DRAINS, ROOF DRAINS AND OTHER DRAINAGE THROUGH THE CURBS IN ACCORDANCE WITH CITY OF TULSA STANDARD 758. NO NEW CURB OUTLETS SHALL BE CONSTRUCTED WITHOUT APPROVAL OF THE ENGINEER.

G-7: AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST SHALL OVERSEE ALL PLANTINGS AND/OR REMOVAL OF TREES. CONTRACT 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 MOVING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.

DRAINAGE (D1 - D16)

D-1: THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF TULSA STD NOS 752, 753, 754, 761, 762, 769A, 769B AND 775.

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: ALL MANHOLES SHALL BE COMPLETE IN PLACE. THIS PAY ITEM INCLUDES FRAME, COVER, CONCRETE AND ALL OTHER INCIDENTALS REQUIRED FOR PLACEMENT.

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, 3 EACH SIDE OF THE INLET, AND THE PC CONCRETE INLET APRON SHALL BE INCLUDED. GRATE AND FLOWLINE ELEVATIONS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS.

D-8: QUICKSET FLOWABLE FILL SHALL BE USED TO BACKFILL AROUND STREET CURB INLETS AND REINFORCED CONCRETE PIPE, AS NEEDED, AT THE DIRECTION OF THE ENGINEER. ~~ONLY~~

D-9: ALL INLETS, COMPLETE IN PLACE, SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. THIS PAY ITEM INCLUDES ANY INLET FRAMES, GRATES, HOODS, AND CONCRETE REQUIRED FOR COMPLETE INSTALLATION OR STRUCTURE PER THE CONSTRUCTION DOCUMENTS.

D-10: NOT USED

D-11: CAST IRON CURB INLET CONFIGURATION NAMING CONVENTION PROVIDED IN COT STANDARD NO. 755. SEPARATE DETAILS SHALL BE REFERENCED OR PROVIDED IN THE PLANS FOR NON-CITY STANDARD INLETS.

STANDARD NAMING: CIG DES G17 (W/MNH)

G: NUMBER OF GRATES

T: LETTER(S) CORRESPONDING TO ARRANGEMENT OF CAST IRON HOODS TO BE INSTALLED UPSTREAM OF GRATES.

W/MNH: IF SHOWN, INLET TO BE CONSTRUCTED WITH ATTACHED ACCESS MANHOLE.

D-12: NOT USED

D-13: NOT USED

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: RETROFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4866-01 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 4866-01 TYPE III RETROREFLECTIVE SHEETING.

T-3: ALL PLASTIC PAVEMENT MARKINGS SHALL BE:

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

T-4: PAYMENT SHALL BE MADE ON A SIGN-DAY BASIS ONLY FOR TRAFFIC CONTROL DEVICES THAT ARE PROPERLY INSTALLED AND IN GOOD WORKING ORDER. COSTS FOR DELIVERY, INSTALLATION, RELOCATION, MAINTENANCE REMOVAL AND REPLACEMENT, AS NEEDED AT THE DISCRETION OF THE ENGINEER, INCLUDED IN UNIT PRICE BID.

T-5: IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE 'A' LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE 'C' WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE 'C' LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.

T-6: THE PAY ITEM FOR FLAGGER SHALL BE PAID FOR ON A FLAG DAY (F.D.) BASIS. ONE F.D. IS ONE COMPLETE WORKDAY PERFORMED BY THE CONTRACTOR AS SET FORTH IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

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

TBP-01: REMOVAL OF INLETS AND MANHOLE SHALL BE INCLUDED IN UNIT COST OF INLETS AND MANHOLE COMPLETE. NO ADDITIONAL PAYMENT WILL BE MADE.

TBP-02: INCLUDES PIPE TO CONNECT TO EXISTING STORM SEWER.

TBP-03: ~~INCLUDES SHOULDERING UP OF PAVEMENT EDGES WITH 30:1 AND 50:1.~~

DATE: 04/15/2025



NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

ROADWAY PAY ITEM NOTES

MAINTENANCE ZONE 1068 N PROJECT COT 144168-N

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

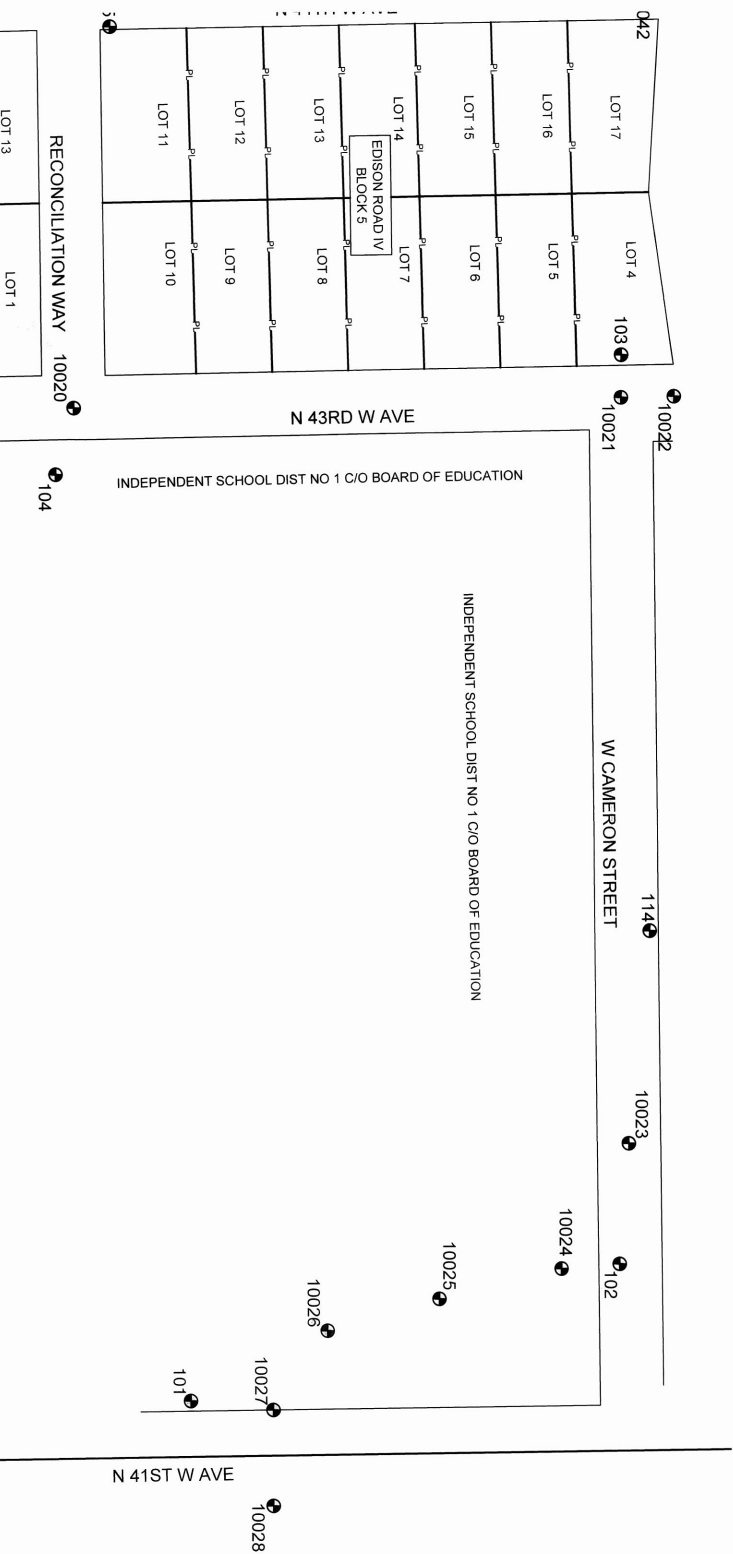
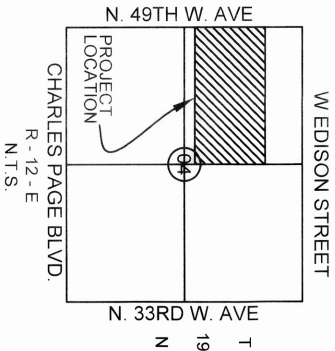
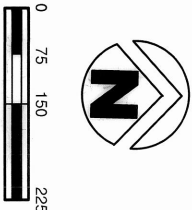
PLANS & ESTIMATES PREPARED BY:

Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-240-5999

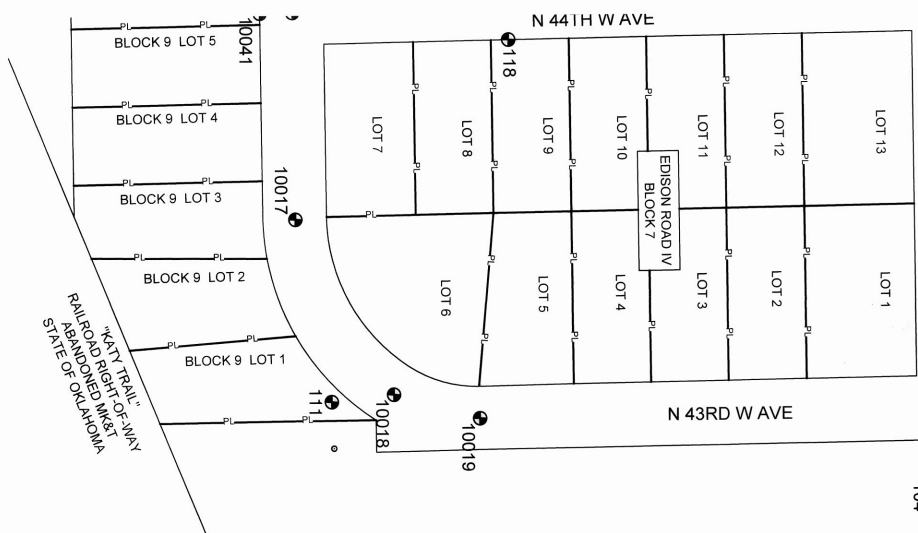
Certificate of Authorization No. 531 PE/L's Renewal Date June 30, 2025

REVISION	BY	DATE	PLAN SCALE	DRAWN	EG	10/20/24	APPROVED:
			DESIGNED	TRK		10/20/24	
			SURVEY	NO		08/20/18	
			PROFILE SCALE	PROJ. MGR.	ARE	08/20/18	
			HORIZONTAL	LEAD ENGR.	@	9/6/21	
			FIELD WORK			2/24/21	
			RECOMMENDED				
			DESIGN MANAGER	HVS	D-25		
			ENGINEER				
			FILE				
			ATLAS PAGE NO.				
			SHEET				

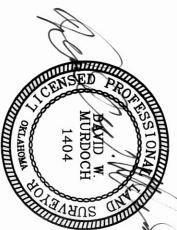
SURVEY CONTROL POINTS				
POINT NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
101	3/8" SP W/PLASTIC CAP STAMPED TERCOP	427143.33	2547543.38	643.39
102	3/8" SP W/PLASTIC CAP STAMPED TERCOP	427481.96	2547437.25	652.10
103	3/8" SP W/PLASTIC CAP STAMPED TERCOP	427483.92	2546726.10	655.97
104	3/8" SP W/PLASTIC CAP STAMPED TERCOP	427038.46	2546819.00	644.71
105	3/8" SP W/PLASTIC CAP STAMPED TERCOP	426561.22	2546105.10	646.01
106	3/8" SP W/PLASTIC CAP STAMPED TERCOP	426991.83	2546536.23	647.27
107	3/8" SP W/PLASTIC CAP STAMPED TERCOP	426953.50	2544996.60	645.56
108	3/8" SP W/PLASTIC CAP STAMPED TERCOP	426958.94	2545285.92	646.02
109	3/8" SP W/PLASTIC CAP STAMPED TERCOP	427062.18	2545985.39	648.27
110	3/8" SP W/PLASTIC CAP STAMPED TERCOP	427466.65	2546410.95	654.92
111	3/8" SP W/PLASTIC CAP STAMPED TERCOP	426567.98	2546759.64	643.48
112	MAG NAIL WWASHER	426808.80	2545300.58	645.77
113	MAG NAIL	426292.33	2545618.08	642.13
114	3/8" SP W/PLASTIC CAP STAMPED TERCOP	427505.99	2547177.09	655.30
115	3/8" SP W/PLASTIC CAP STAMPED TERCOP	427081.51	2546468.59	645.87
116	3/8" SP W/PLASTIC CAP STAMPED TERCOP	426993.53	2545631.60	648.14
117	3/8" SP W/PLASTIC CAP STAMPED TERCOP	426732.16	2546062.87	647.87
118	3/8" SP W/PLASTIC CAP STAMPED TERCOP	426707.05	2546477.03	646.18



ALIGNMENT DATA									
ALIGNMENT	NUMBER	LENGTH	RADIUS	DIRECTION	START STATION	END STATION	DELTA ANGLE	CHORD LENGTH	CHORD BEARING
ARCHER S T & 43 W AVE.									
L1	724.23			N 89° 15' 10" E	0+00.00	7+24.23			
L2	383.20			S 75° 23' 47" E	7+24.23	11+07.43			
L3	620.17			N 89° 12' 49" E	11+07.43	17+27.61			
C1	163.98			Left	17+27.61	18+91.59			
C2	71.37			Left	18+91.59	19+62.96			
L4	841.05			N 0° 58' 32" W	19+62.96	28+04.01			
CAMERON ST.									
L5	583.48			N 89° 26' 47" E	35+00.00	40+83.48			
C3	116.33			Right	40+83.48	41+99.81			
C4	100.91			Right	41+99.81	43+00.72			
C5	93.99			Left	43+00.72	43+94.71			
C6	76.64			Left	43+94.71	44+71.35			
L6	75.00			N 90° 00' 00" E	44+71.35	45+46.35			
48 W AVE.									
L7	708.10			N 1° 01' 14" W	50+00.00	57+08.10			
47 W AVE.									
L8	692.91			N 1° 01' 15" W	60+00.00	66+92.91			
C7	63.02			Right	66+92.91	67+56.93			
L9	1175.59			N 89° 15' 09" E	67+56.93	79+31.53			
46 W AVE.									
L10	931.71			N 1° 03' 11" W	80+00.00	89+31.71			
44 W AVE.									
L11	1000.33			N 0° 57' 45" W	90+00.00	100+00.33			
WATERLINE									
L12	380.00			N 89° 15' 11" E	105+00.00	108+90.00			



ALIGNMENT POINTS				
POINT NUMBER	STATION	DESCRIPTION	NORTHING	EASTING
ARCHER STREET & 43 W AVE.				
10010	0+00.00	BP	426918.48	2544901.64
10011	3+86.74	PI 48th & Archer	426823.52	2545288.34
10012	7+06.75	PI 47th & Archer	426627.93	2545608.30
10013	7+24.23	PI	426627.93	2545625.80
10014	11+07.43	PI	426531.31	2545996.64
10015	11+61.16	PI 46th & Archer	426532.05	2546050.35
10016	15+66.15	PI 44th & Archer	426537.61	2546455.30
10017	17+27.61	PC	426539.82	2546516.75
10018	18+91.59	PCC	426616.71	2546754.00
10019	19+62.96	PT	426684.47	2546772.90
10020	23+31.39	PI Reconciliation Way & 43rd	427052.84	2546766.70
10021	27+62.27	PI Cameron St & 43rd	427483.66	2546759.30
10022	28+04.01	EP	427525.40	2546758.66
CAMERON ST.				
10021	35+00.00	BP	427483.66	2546759.37
10023	40+83.48	PC	427469.30	2547342.83
10024	41+99.81	PCC	427436.21	2547440.79
10025	43+00.72	PRC	427339.93	2547464.26
10026	43+94.71	PCC	427251.37	2547489.00
10027	44+71.35	PT	427208.37	2547550.78
10028	45+46.35	EP	427208.37	2547625.78
48 W AVE.				
10029	50+00.00	BP	426300.48	2545294.10
10030	50+36.76	PI 48th & Waterline	426337.23	2545293.45
10031	53+23.10	PI 48th & Archer	426623.52	2545288.30
10031	57+08.10	EP	427008.46	2545281.49
47 W AVE.				
10032	60+00.00	BP	426304.65	2545614.08
10033	60+36.76	PI 47th & Waterline	426341.40	2545613.43
10033	63+23.10	PI 47th & Archer	426627.93	2545608.33
10034	66+92.91	PC	426997.45	2545601.74
10035	67+55.93	PT	427038.16	2545641.21
10036	71+55.71	PI 48th & Reconciliation Way	427043.37	2546040.95
10037	75+61.51	PI 44th & Reconciliation Way	427046.67	2546446.72
10020	78+61.53	PI 43rd & Reconciliation Way	427052.84	2546766.71
10038	79+31.53	EP	427053.50	2546816.71
46 W AVE.				
10039	80+00.00	BP	426511.86	2546050.78
10015	80+20.19	PI 46th & Archer	426532.05	2546050.35
10036	85+31.61	PI 48th & Reconciliation Way	427043.37	2546040.95
10040	89+31.71	EP	427145.41	2546033.60
44 W AVE.				
10041	90+00.00	BP	426512.13	2546455.73
10016	90+25.47	PI 44th & Archer	426537.61	2546455.30
10037	95+36.61	PI 44th & Reconciliation Way	427046.67	2546446.72
10042	100+00.33	EP	427151.32	2546438.93
Water Line				
10043	108+90.00	BP	426341.86	2545648.42
10033	108+55.01	PI 47th & Waterline	426341.40	2545613.43
10030	105+35.00	PI 48th & Waterline	426337.23	25456293.45
10044	105+00.00	EP	426336.77	2545258.45



DATE: 4/16/25

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

SURVEY CONTROL SHEET 2

MAINTENANCE ZONE: 1068-N PROJECT COT 144168-N

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY:

Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-540-5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

APPROVED:

EG 10/20/24

DESIGNED:

NOV 10/20/18

PROFILE SCALE:

PROJ. MGR:

LEAD ENGR:

FIELD MGR:

RECOMMENDED:

DATE: 09/11/25

FILE: 41

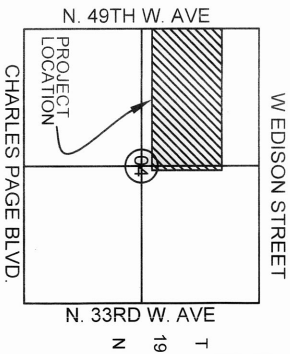
ATLAS PAGE NO.: 41



FEMA ZONE X (SHADED)
FLOODPLAIN LIMITS WITH
AN EFFECTIVE
DATE OF 10/16/2012

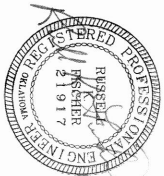
FEMA ZONE A FLOODPLAIN
 LIMITS WITH AN EFFECTIVE
 DATE OF 10/16/2012

FEMA ZONE AE FLOODPLAIN
LIMITS WITH AN EFFECTIVE
DATE OF 10/16/2012



DATE:

04/15/2025



NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

DRAINAGE AREA MAP

MAINTENANCE ZONE 1068-N PROJECT COT 144168-N

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY:

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

REVISION	BY	DATE	PLAN SCALE	DRAWN	EG	10/2024	APPROVED:
----------	----	------	------------	-------	----	---------	-----------

1" = 100'	DESIGNED	RK	11/20/2024
PROFILE SCALE	SURVEY	NOD	08/25/16
HORIZONTAL	PROJ. MGR	POC	9/1/25
N/A	FILED MGR	POC	9/25/25
VERTICAL	INTERVIEWED		
N/A	DESIGN MANAGER	James B. Orr	
	CHECKED		
	DATE		
	ENGINEER		



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

CALL OKIE

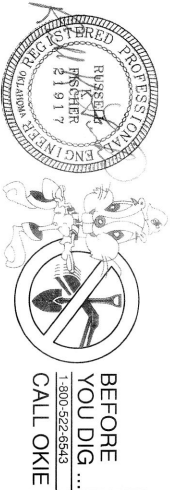
SUMMARY OF HYDROLOGIC DATA AND RUNOFF CALCULATIONS																													
DA NO.	AREA		INTENSITY Inch	FACTORED RUNOFF COEFFICIENT	DESIGN YEAR RUNOFF		COLLECTING STR. NO.	OVERLAND FLOW										SHALLOW CHANNELLED FLOW								TIME OF CONCENTRATION			
	A	C			Q ₅₀₀	CF5		FLOW/PATH LENGTH	PAVED OR UNPAVED	AVG SLOPE	VELOCITY	TI	FLOW/PATH LENGTH	PAVED OR UNPAVED	AVG SLOPE	VELOCITY	Tt	ACTUAL Tc = TI + Tt	DESIGN Tc = 10										
	AC	IN/HR			LF	%	FPS	MIN	LF	UNPAVED	%	FPS	MIN		MIN	MAX = 10													
P1	1.13	11.8	0.40	5.3	310	UNPAVED	4.36	1.65	3.2	71	UNPAVED	3.4	5.93	0.1	3.2	3.2													
P1	2.05	11.2	0.51	11.7	300	UNPAVED	3.90	1.56	3.2	30	UNPAVED	0.4	1.08	1.1	4.3	4.3													
S2	1.75	11.2	0.48	9.4	300	UNPAVED	3.37	1.45	3.5	194	UNPAVED	1.0	3.21	1.0	4.5	4.5													
S4	0.10	13.1	0.45	0.6	17	UNPAVED	0.88	0.74	0.4	107	UNPAVED	0.9	3.03	0.6	1.0	1.0													
S8	7.39	9.4	0.49	34.2	300	UNPAVED	10.70	2.58	1.9	916	UNPAVED	0.4	2.12	7.2	10	10													
S9	0.58	9.9	0.45	2.6	223	UNPAVED	0.50	0.56	6.7	132	UNPAVED	1.0	2.20	1.0	7.7	7.7													
S11	1.20	8.8	0.65	4.7	300	UNPAVED	0.58	0.60	8.36	39	UNPAVED	0.59	1.28	0.5	11.1	10.0													
S12	1.15	8.8	0.61	6.2	300	UNPAVED	0.53	0.57	8.7	63	UNPAVED	0.65	1.34	0.8	11.2	10.0													
S14	2.33	9.7	0.45	10.2	210	UNPAVED	0.95	0.77	4.6	295	UNPAVED	0.20	1.25	1.7	8.1	8.1													
S16	3.01	6.4	0.65	12.5	300	UNPAVED	0.08	0.22	22.4	234	UNPAVED	0.68	1.37	3.6	24.3	10.0													
S18	2.21	11.2	0.55	13.6	318	UNPAVED	8.40	2.28	0.9	413	UNPAVED	1.45	2.01	3.4	4.3	4.3													
S19	1.65	11.7	0.64	12.3	141	UNPAVED	0.93	1.77	1.3	495	UNPAVED	2.29	3.97	2.1	3.4	3.4													
S20	0.40	11.4	0.95	4.3	520	UNPAVED	2.06	2.64	0.1	691	UNPAVED	1.35	3.05	3.8	3.9	3.9													
S21	0.39	11.5	0.95	4.3	521	UNPAVED	2.18	2.71	0.1	673	UNPAVED	1.39	3.09	3.6	3.7	3.7													
S22	0.30	10.6	0.50	1.6	158	UNPAVED	0.33	0.45	5.8	-	-	-	-	-	5.8	5.8													
S23	0.73	10.8	0.45	3.5	47	UNPAVED	15.04	3.06	0.3	431	UNPAVED	0.71	1.40	5.1	5.4	5.4													
S24	0.24	12.1	0.65	1.9	143	UNPAVED	1.36	0.92	2.6	-	-	-	-	-	2.6	2.6													
S25	2.16	9.5	0.58	12.0	115	UNPAVED	19.20	3.45	0.6	636	UNPAVED	0.60	1.29	8.2	8.8	8.8													
S26	0.23	9.9	0.65	1.5	576	UNPAVED	0.37	1.13	0.6	199	UNPAVED	0.08	0.47	7.0	7.6	7.6													
S28	0.49	10.1	0.65	3.2	279	UNPAVED	0.72	0.67	7.0	-	-	-	-	-	7.0	7.0													
S29	2.88	9.0	0.52	13.6	300	UNPAVED	2.04	1.13	4.4	1001	UNPAVED	2.79	2.78	6.0	10.4	10.0													
S31	2.52	11.7	0.70	10.5	104	UNPAVED	2.01	1.12	1.6	531	PAVED	3.64	5.00	1.8	3.3	3.3													
S32	0.10	11.8	0.55	0.7	532	UNPAVED	0.64	0.63	3.1	-	-	-	-	-	3.1	3.1													
S34	0.68	11.8	0.45	3.6	58	UNPAVED	0.42	0.51	0.8	226	UNPAVED	0.84	1.53	2.47	3.3	3.3													
S35	0.41	9.5	0.45	1.8	60	UNPAVED	0.17	0.32	3.1	235	UNPAVED	0.17	0.69	5.71	8.8	8.8													
S36	0.79	9.2	0.45	1.5	58	UNPAVED	0.43	0.52	1.9	346	UNPAVED	0.19	0.73	7.94	9.8	9.8													
S37	1.78	11.3	0.63	12.6	119	UNPAVED	13.45	2.89	0.7	462	UNPAVED	1.84	2.26	3.41	4.1	4.1													
O1	1.55	11.0	0.65	11.1	218	UNPAVED	0.91	0.75	4.8	-	-	-	-	-	4.8	4.8													
O2	1.33	9.1	0.65	7.9	91	UNPAVED	0.48	0.55	2.8	556	UNPAVED	0.59	1.28	7.25	10.0	10.0													
O3	2.81	10.7	0.44	5.7	231	UNPAVED	0.79	0.70	5.5	-	-	-	-	-	5.5	5.5													
O4	0.62	12.2	0.65	4.9	55	UNPAVED	3.33	1.44	0.6	208	UNPAVED	1.24	1.85	1.87	2.5	2.5													
O5	0.69	11.1	0.48	3.7	176	UNPAVED	0.63	0.63	4.7	-	-	-	-	-	4.7	4.7													
O6	1.36	11.5	0.70	11.0	165	UNPAVED	0.89	0.74	3.7	-	-	-	-	-	3.7	3.7													

Pipe Label	EXISTING OR PROPOSED	UPSTREAM STR. NO.	DOWNSTREAM STR. NO.	DIAM INCH	LENGTH LF	SLOPE %	SUMMARY OF PIPE DESIGN																Q _c	Q _{flow}		Q _{capacity}		VELOCITY FPS			
							INV PD		T/G PD		HGL PD		EGL PD		CFS	GPM	CFS	GPM													
							FT	FT	FT	FT	FT	FT	FT	FT																	
P1	EXISTING	-	-	15	30.7	1.71	643.39	643.73	643.83	643.62	646.65	645.85	646.64	646.80	0.7	5.3	12.6	6.9	5.1	2.9	12.6	6.9	5.1	2.9	12.6	6.9	5.1	2.9	12.6	6.9	
P4	EXISTING	525	526	15	29.75	0.71	643.83	643.62	642.11	645.85	647.47	646.23	645.42	646.44	646.63	6.4	13.5	4.5	5.2	4.5	5.2	4.5	5.2	4.5	5.2	4.5	5.2	4.5	5.2	4.5	5.2
P45	EXISTING	526	527	15	192.93	0.42	642.92	642.06	641.19	647.47	646.89	644.33	644.37	646.42	644.55	6.4	13.5	4.2	5.2	4.2	5.2	4.2	5.2	4.2	5.2	4.2	5.2	4.2	5.2	4.2	5.2
P58	EXISTING	527	535	15	240.92	0.36	642.06	641.19	640.14	646.89	644.28	644.33	643.34	643.34	644.60	7.3	15.3	5.0	5.2	5.0	5.2	5.0	5.2	5.0	5.2	5.0	5.2	5.0	5.2	5.0	5.2
P56	EXISTING	535	533	15	192.75	0.52	641.13	640.14	639.80	644.28	644.56	643.08	642.74	643.34	643.00	9.1	18.9	5.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
P53	EXISTING	533	510	15	65.1	0.52	640.14	640.01	643.14	639.75	644.43	642.74	642.74	643.00	643.00	16.3	34.2	16.4	13.3	13.3	16.4	13.3	13.3	16.4	13.3	13.3	16.4	13.3	13.3	16.4	13.3
P16	EXISTING	58	58	15	30.8	5.52	641.70	641.20	644.63	644.37	644.43	642.74	642.74	643.00	643.00	15.3	34.2	16.4	13.3	13.3	16.4	13.3	13.3	16.4	13.3	13.3	16.4	13.3	13.3	16.4	13.3
P18	EXISTING	59	510	15	9.1	21.94	643.20	641.20	644.63	644.37	644.43	642.74	642.74	643.00	643.00	15.3	34.2	16.4	13.3	13.3	16.4	13.3	13.3	16.4	13.3	13.3	16.4	13.3	13.3	16.4	13.3
P19	EXISTING	510	510	30	421.72	0.33	639.82	638.42	644.56	645.37	642.32	640.92	642.74	641.34	641.34	41.2	84.4	25.6	7.3	7.3	25.6	7.3	7.3	25.6	7.3	7.3	25.6	7.3	7.3	25.6	7.3
P49	EXISTING	528	530	15	16.64	3.55	641.36	640.77	643.96	644.88	643.21	642.62	645.00	644.41	644.41	9.4	17.3	13.6	6.4	6.4	13.6	6.4	6.4	13.6	6.4	6.4	13.6	6.4	6.4	13.6	6.4
P50	EXISTING	529	530	15	36.22	1.10	641.17	640.77	643.96	644.88	643.02	642.62	643.18	643.18	643.18	11.1	22.9	15.7	7.3	7.3	15.7	7.3	7.3	15.7	7.3	7.3	15.7	7.3	7.3	15.7	7.3
P51	EXISTING	532	521	15	15.31	3.85	641.30	640.71	643.66	644.88	643.21	642.62	645.16	644.57	644.57	0.3	0.7	13.7	0.3	0.7	13.7	0.3	0.7	13.7	0.3	0.7	13.7	0.3	0.7	13.7	0.3
P52	EXISTING	531	530	15	36.67	2.13	641.55	640.77	644.01	644.88	643.40	642.62	644.47	643.69	643.69	10.5	20.7	10.2	8.6	8.6	10.2	8.6	8.6	10.2	8.6	8.6	10.2	8.6	8.6	10.2	8.6
P55	EXISTING	530	532	21	506.3	0.23	640.67	639.22	644.88	643.97	640.72	640.04	640.60	641.42	641.42	34.3	53.0	22.7	15.4	15.4	22.7	15.4	15.4	22.7	15.4	15.4	22.7	15.4	15.4	22.7	15.4
P21	EXISTING	512	513	30	10.41	1.73	638.47	638.29	643.97	645.37	640.72	640.04	640.60	641.42	641.42	34.3	53.0	22.7	15.4	15.4	22.7	15.4	15.4	22.7	15.4	15.4	22.7	15.4	15.4	22.7	15.4
P26	EXISTING	517	515	21	415.84	0.84	639.82	638.30	644.59	640.98	641.24	637.73	642.07	638.57	638.57	13.1	25.9	15.7	7.3	7.3	15.7	7.3	7.3	15.7	7.3	7.3	15.7	7.3	7.3	15.7	7.3
P28	EXISTING	519	517	15	33.78	0.15	639.82	639.77	643.17	644.59	641.29	641.24	641.32	641.32	641.32	6.8	13.6	13	5.6	5.6	13	5.6	5.6	13	5.6	5.6	13	5.6	5.6	13	5.6
P27	EXISTING	518	512	15	28.02	3.43	640.67	639.71	643.23	644.59	642.73	641.06	643.93	642.97	642.97	6.8	13.6	13	5.6	5.6	13	5.6	5.6	13	5.6	5.6	13	5.6	5.6	13	5.6
P20	EXISTING	511	512	21	37.16	0.89	641.00	639.38	644.02	643.97	642.73	641.06	643.93	642.97	642.97	6.8	13.6	13	5.6	5.6	13	5.6	5.6	13	5.6	5.6	13	5.6	5.6	13	5.6
P22	EXISTING	516	515	15	21.57	5.28	637.41	636.27	640.47	640.98	638.65	637.29	641.33	639.97	639.97	5.5	12.5	16.1	11.9	11.9	16.1	11.9	11.9	16.1	11.9	11.9	16.1	11.9	11.9	16.1	11.9

*** THE EXISTING SYSTEM IS ONLY CAPABLE OF CONVEYING A 2-YEAR STORM EVENT.**

REVISION	BY	DATE	PLAN SCALE	DRAWN	EG	10/26/24	APPROVED
				DESIGNED	RKC	10/26/24	
				SURVEY	NON	08/20/18	
			PROFILE SCALE	PROJ. MGR.	PPH	9/25	
			HORIZONTAL	LEAD ENGR.	BSC	9/25	
				FIELD MGR.	PPH	9/25	
			VERTICAL	DESIGNED BY	University, Inc.		
				CHECKED BY			
				DESIGN MANAGER			
			FILE	DRAWING			
			ATLAS PAGE NO.	41			
			SHEET	11 OF 11 SHEETS			
			DATE	08/26/25			

DATE: _____



NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

MAINTENANCE ZONE 1068-N PROJECT COT 144168-N

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY:

Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146

Certificate of Authorization No. 531 PE/L/S Renewal Date June 30, 2025

DRAWN	EG	10/2024	APPROVED:
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DESIGNED	RKF	10/2024
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DECLARED	DATE	08/20/18
SUBJECT	NOI	

SURVEY	NOI	COLLEGE
	2007	2008

PROJ. MGR.	POH	5/25
------------	-----	------

LEAD ENGR. BDC 9/25

FIELD MGR. *Zm 2/25*

RECOMMENDED *h h*

DESIGN MANAGER
Thomas J. P. 5

DESIGN MANUALS

DRAWING: _____

— *continued*

STORM SEWER SUMMARY TABLE															MANHOLES									
STRUCTURE ID	ALIGNMENT	STATION	OFFSET	SIDE	DESCRIPTION	CITY OF TULSA STD DWG	NORTHING	EASTING	FLOWLINE IN				FLOWLINE OUT				INNER STR HT (6' STD)		ADD'L DEPTH					
									RIM ELEV				TO STR	PIPE SIZE	ELEV	FT	4' ID	5' ID	6' ID	8' ID	ADD'L DEPTH			
										FT	FROM STR	PIPE SIZE									4' ID	5' ID	6' ID	8' ID
S08	CRL	11+38.57	18.07	L	GDI		426549.81	2546027.52	643.14	-	-	-	S10	15	641.70	-	-	-	-	-	-	-	-	-
S09	CRL	11+44.67	17.35	R	GDI		426514.47	2546034.11	644.63	-	-	-	S10	15	643.20	-	-	-	-	-	-	-	-	-
S10	CRL	11+50.47	10.34	R	MANHOLE		426521.57	2546039.81	644.56	S35	15	639.80	S13	30	639.75	-	-	-	-	-	-	-	-	
										S08	15	641.20												
										S09	15	641.90												
S11	CRL	15+49.28	17.31	L	21A+B) INLET	755	426628.46	2545598.55	644.02	-	-	-	S12	18	641.00	-	-	-	-	-	-	-	-	
S12	CRL	15+70.72	13.04	R	21B+C) INLET	755	426640.13	2546460.06	643.97	S11	18	640.67	S13	30	638.47	-	-	-	-	-	-	-		
										S30	21	639.22												
S13	CRL	15+71.99	23.37	R	MANHOLE		426514.32	2546461.47	645.37	S12	30	638.34				-	-	-	-	-	-	-		
										S10	30	638.28												
ARCHER															0									
S25	CRL	69+44.16	5.84	L	GDI		427044.22	2545833.29	646.63	-	-	-	S26	15	643.83	-	-	-	-	-	-	-	-	
S26	CRL	69+44.05	23.94	R	GDI		427018.22	2545833.59	645.85	S25	15	645.23	S27	15	642.92	-	-	-	-	-	-	-		
S27	CRL	71+40.97	23.54	R	ROI		427019.63	2546026.52	647.47	S26	15	642.11	S35	15	642.06	-	-	-	-	-	-	-		
S35	CRL	82+67.25	11.89	L	770	770	426778.75	2546033.93	646.89	S27	15	641.19	S10	15	641.13	-	-	-	-	-	-	-		
N 46TH W AVE															0									
S28	CRL	75+43.37	16.45	R	21(8) INLET	755	427031.98	2546428.80	643.89	-	-	-	S30	15	641.36	-	-	-	-	-	-	-		
S29	CRL	75+42.46	15.76	L	21(8) INLET	755	427064.18	2546427.47	643.96	-	-	-	S30	15	641.17	-	-	-	-	-	-	-		
S31	CRL	75+74.70	17.66	L	21(8) INLET	755	427066.50	2546459.68	644.01	-	-	-	S30	15	641.55	-	-	-	-	-	-	-		
S32	CRL	75+75.27	16.97	R	21(8) INLET	755	427031.88	2546460.70	643.66	-	-	-	S30	15	641.30	-	-	-	-	-	-	-		
S30	CRL	75+60.00	15.93	R	MANHOLE		427032.72	2546445.42	644.88	S28	15	640.77	S12	21	640.67	-	-	-	-	-	-	-		
										S29	15	640.77												
										S31	15	640.77												
										S32	15	640.71												
W. RECONCILIATION WAY															0									
S19	CRL	23+56.28	19.00	R	21(8) INLET	755	427078.06	2546785.28	643.17	-	-	-	S17	15	639.82	-	-	-	-	-	-	-		
S18	CRL	23+55.78	14.93	L	21(8) INLET	755	427076.98	2546751.36	643.23	-	-	-	S17	15	640.67	-	-	-	-	-	-	-		
S17	CRL	23+30.50	2.83	L	MANHOLE		427051.91	2546763.90	644.59	S19	15	639.77	S15	21	639.78	-	-	-	-	-	-	-		
										S18	15	639.71												
S16	CRL	19+22.50	13.63	L	21(0) INLET	755	426648.81	2546754.09	640.47	-	-	-	S15	15	637.41	-	-	-	-	-	-	-		
S15	CRL	19+16.16	7.05	R	MANHOLE		426636.14	2546771.55	640.98	S17	21	636.30	S14	21	636.30	4.7	-	-	-	-	-	-		
S14	CRL	19+06.99	13.89	R	31(20) INLET	755	426624.32	2546773.96	641.12	S15	30	636.21				-	-	-	-	-	-	-		
N 43RD W AVE															0									
PROJECT TOTAL															0 0 1 0 0 0 0 0 0 0 0 0									



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

DATE: 04/15/2025

NOTE: CONTRACTOR SHALL NOT STORE
MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

STORM SEWER SUMMARY TABLE SHEET 1

MAINTENANCE ZONE 1068 N PROJECT COT 144168 N

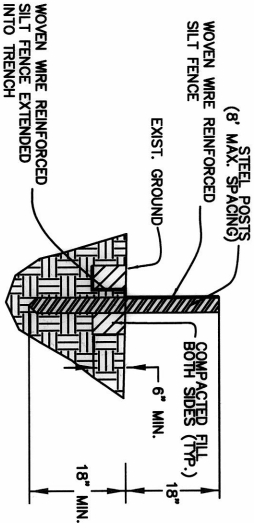
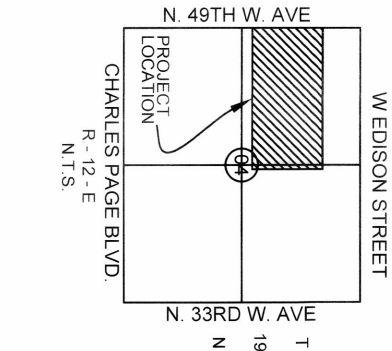
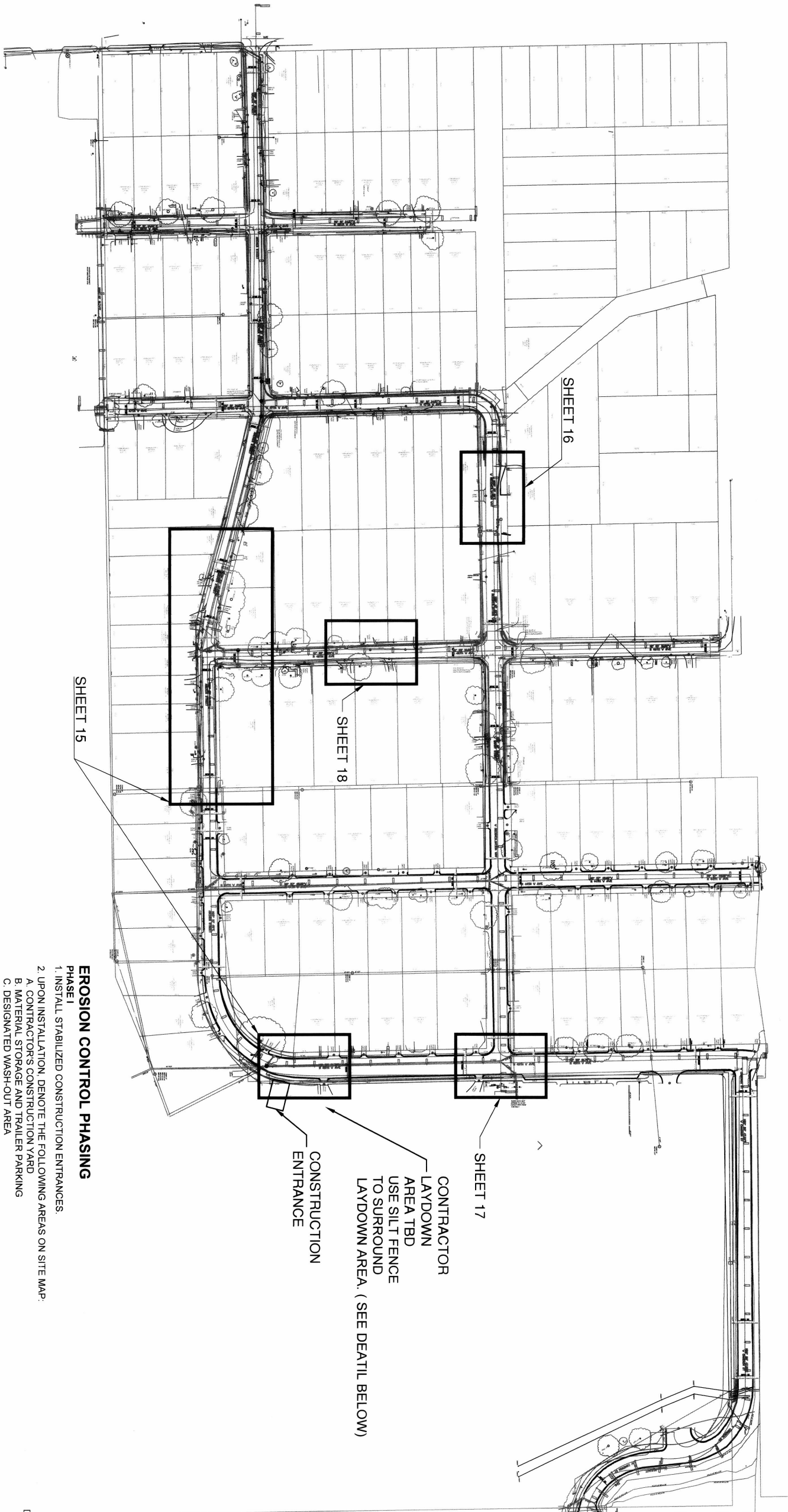
CITY OF TULSA, OKLAHOMA

PUBLIC WORKS DEPARTMENT

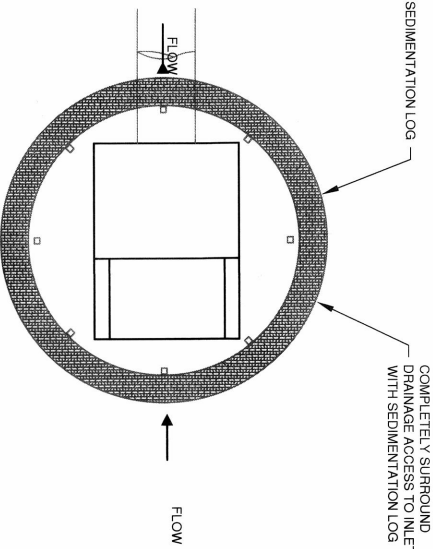
PLANS & ESTIMATES PREPARED BY:
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 - Tulsa, Oklahoma 74146
Phone: 918.252.0621 Fax: 918.340.5999
Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025

PLAN SCALE	DRAWN	EG	10/2024	APPROVED:
PROFILE SCALE	PROJ. MGR.	NG	10/2024	
HORIZONTAL:	LEAD ENGR.	800 9/25		
VERTICAL:	FIELD MGR.	200 9/25		
	DESIGN MANAGER	5.1m		
FILE:	DRAWING		DATE:	04/26/25
ATLAS PAGE NO.	41		SHEET	11 OF 41 SHEETS

SUMMARY OF SIGNS												
STATION	OFFSET & SIDE	1'-1/2" 14 GA (FT)	1-3/4" 14 GA (FT)	2" 14 GA (FT)	2009 MUTCD DESIGNATION	SECTION	DIMENSIONS (IN)	SF	TEXT/TYPE			
0+87.66	9.81 LT	5	11	3	R1-1	28.05	30 X 30	6.25	STOP			
2+99.48	22/61 RT	0	11	3	COT STD 608A R2-1	28.05	48 X 9	6	W ARCHER ST. 4900			
18+81.70	22.57 RT	5	10	3	COT STD 608A COT STD 608A	58.13	24 X 30	5	N 49TH W AV. 25 MPH			
19+62.56	24.57 LT	0	11	3	R2-1	58.13	48 X 6	4	N 43RD W AV.			
20+53.97	24.12 RT	0	11	3	R2-1	58.13	24 X 30	5	W ARCHER ST.			
21+58.03	24 RT	0	0	0	W16-9P	78.11	24 X 12	0	SCHOOL CROSSING			
23+05	23.84 RT	0	0	0	R1-1	28.05	30 X 30	0	STOP			
23+53.55	23.00 RT	0	11	3	R2-1	58.13	18 X 6	0	ALL WAY (PLAQUE)			
23.63.54	19.17 LT	0	11	3	R1-1	28.05	30 X 30	6.25	STOP			
25+40	18 LT	0	0	0	R1-3P	78.08	18 X 6	0.75	ALL WAY (PLAQUE)			
35+38.00	17.00 LT	5	11	3	W16-9P COT STD 608A	78.11	36 X 36	0	SCHOOL CROSSING			
35+58.08	16.60 LT	0	0	0	S1-1	78.08	48 X 6	4	N 43RD W AV.			
39+61.41	20.97 LT	0	11	3	W16-9P	78.11	24 X 12	0	SCHOOL CROSSING			
39+61.47	21.00 RT	0	11	3	R8-3a	28.47	12 X 30	2.5	NO PARKING			
41+24	18 RT	0	0	0	S1-1	78.08	36 X 36	0	SCHOOL CROSSING			
42+30	35 RT	0	0	0	W16-9P	78.11	24 X 12	0	AHEAD			
42+70.13	13.30 LT	0	11	3	R5-1	24 X 24	24 X 12	0	DO NOT ENTER			
42+90.92	16.36 LT	0	11	3	R6-1U	24 X 12	24 X 12	0	LEFT ARROW			
43+04.09	21.46 RT	0	11	3	R7-2	28.47	12 X 18	0	RIGHT ARROW			
43+90.55	18.83 RT	0	11	3	R7-2	28.46	12 X 18	2.5	25 MPH			
43+91.97	19.44 LT	0	11	3	R7-2	28.46	12 X 18	2.5	NO PARKING			
44+73.33	18.83 RT	0	0	0	R1-1	28.05	30 X 30	0	NO PARKING			
52+81.49	19.97 LT	0	11	3	COT STD 608A COT STD 608A	48 X 9	48 X 9	0	STOP			
53+40.30	13.21 RT	5	11	3	W14-2a	2C.26	30 X 30	6.25	W. CAMERON ST. 4100			
62+86.00	14.27 RT	0	11	3	R1-1	28.05	48 X 6	4	N 41ST W AV. 4100			
63+48.92	18.74 LT	5	11	3	R1-1	28.05	30 X 30	6.25	NO OUTLET			
66+99.29	21.79 LT	5	11	3	COT STD 608A COT STD 608A	48 X 6	48 X 6	4	NO OUTLET			
71+31.78	19.31 RT	0	11	3	R1-1	28.05	30 X 30	6.25	W ARCHER ST.			
71+92.11	20.96 LT	5	11	3	COT STD 608A COT STD 608A	48 X 6	48 X 6	4	STOP			
77+22.06	17.05 LT	0	11	3	R2-1	58.13	24 X 30	5	N 48TH W AV.			
77+24	14 RT	0	0	0	S1-1	78.08	36 X 36	0	W. RECONCILIATION WAY			
78+51.25	15.82 RT	0	0	0	W16-9P	78.11	24 X 12	0	SCHOOL CROSSING			
85+60.32	15.81 RT	0	11	3	R1-3P	28.05	18 X 6	0	AHEAD			
90+43.21	21.00 LT	0	11	3	COT STD 608A COT STD 608A	48 X 6	48 X 6	4	STOP			
90+43.90	20.90 RT	5	11	3	W14-2a	2C.26	30 X 30	6.25	N 46TH W AV.			
95+08.79	15.02 RT	5	11	3	R1-1	28.05	48 X 6	4	W ARCHER ST.			
95+66.22	18.14 LT	0	11	3	R1-2	28.08	36 X 36 X 36	9	NO OUTLET			
95+74.21	14.68 RT	0	11	3	R1-2	28.06	30 X 30	6.25	W. RECONCILIATION WAY			
TOTAL:		50	329	90	W14-2a	2C.26	30 X 30	6.25	YIELD			
NUMBER OF SIGNS: ALL WAY (PLAQUE) - 1; NO OUTLET - 4; NO PARKING - 6; SPEED - 6; STOP - 8; STREET NAME - 26; YIELD - 2												



SILT FENCE DETAIL



INLET CONTROL FILTER

EROSION CONTROL PHASING

PHASE I

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
2. UPON INSTALLATION, DENOTE THE FOLLOWING AREAS ON SITE MAP:
 - A. CONTRACTOR'S CONSTRUCTION YARD
 - B. MATERIAL STORAGE AND TRAILER PARKING
 - C. DESIGNATED WASH-OUT AREA
 - D. FUEL AND OIL STORAGE AREA
 - E. SOLID WASTE CONTAINERS
 - F. CONSTRUCTION SITE TOILET
3. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH CITY OF TULSA INSPECTOR AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
4. CONSTRUCT EROSION CONTROL DEVICES USING BEST MANAGEMENT PRACTICES. 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 EROSION CONTROL MEASURES SHOULD BE REMOVED.
5. CONTACT THE CITY OF TULSA INSPECTOR TO PERFORM INSPECTION OF BMPs.

PHASE II

1. TEMPORARILY SEED DISTURBED AREAS IF CONSTRUCTION IS STOPPED OR DELAYED.
2. PREPARE SITE FOR PAVING.
3. PAVE STREETS.
4. COMPLETE SIDEWALK AND HANDICAP RAMP INSTALLATION AND INSTALL PERMANENT VEGETATION.
8. REMOVE ALL EROSION CONTROL DEVICES AFTER THE SITE IS STABILIZED.

DATE: 04/15/2025



NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

EROSION CONTROL (SHEET 1)

MAINTENANCE ZONE: 1068-N PROJECT COT 144168-N
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY

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

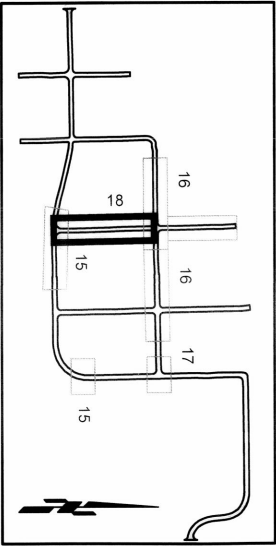
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CHECKED BY: [Signature] DATE: 04/15/2025

APPROVED BY: [Signature] DATE: 04/15/2025

FILE: [Signature] DATE: 04/15/2025

ATLAS PAGE NO.: 41 SHEET 13 OF 41 SHEETS



NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

MAINTENANCE ZONE 1068-N PROJECT COT 144166-N

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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/ES Renewal Date June 30, 2024

REVISION	BY	DATE		
PLAN SCALE			DRAWN	EG
1" = 20'			DESIGNED	RFK
			SURVEY	NOI 08/2018
PROFILE SCALE			PROJ. MGR	BOA 9/25
HORIZONTAL:			LEAD ENGR	BOU 9/25
N/A			FIELD MGR	BOU 9/25
VERTICAL:			RECOMMENDED BY: <i>ing</i>	
N/A			DESIGNED BY	<i>[Signature]</i>
FILE: _____			DRAWING: _____	DATE: <i>08.26.25</i>
ATTACH PAGE NO. _____			SHEET <i>18</i> OF <i>41</i> SHEETS	

STORMWATER MANAGEMENT PLAN

SITE DESCRIPTION

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

PROJECT LIMITS: W CAMERON ST TO W ARCHER ST FROM N 41ST WAVE TO N 49TH WAVE
ALL LOCATED IN THE CORPORATE LIMITS OF TULSA,

MAINTENANCE AND INSPECTION:

TULSA COUNTY, OKLAHOMA

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

All erosion and sediment controls will be maintained in good working order from the beginning of construction until an acceptable vegetative cover is established. Inspection by the Contractor and any necessary repairs shall be performed once every 7 calendar days and within 24 hours after any storm event greater than 0.5 inches (1.25 cm) as recorded by a non-freezing rain gauge to be located on site. Potentially erodible areas, drainage ways, material storage, structural devices, construction entrances and exits along with erosion and sediment control locations are examples of sites that need to be inspected

PROJECT DESCRIPTION: CITY OF TULSA PROJECT NUMBER 144168, WHICH INCLUDES: ROADWAY PATCHING, ROADWAY REPLACEMENT, WATERLINE REPLACEMENT

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 21 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

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.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES

REFER TO EROSION CONTROL SHEET 1 AND EROSION CONTROL SHEET 2.

FOR THE ADVISED SEQUENCE OF EROSION CONTROL METHODS AND ACTIVITIES

STRUCTURAL PRACTICES:

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

REFER TO EROSION CONTROL SHEET 1 AND EROSION CONTROL SHEET 2.

FOR THE ADVISED SEQUENCE OF EROSION CONTROL METHODS AND ACTIVITIES

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

AREA TO BE DISTURBED: 8.27 AC

OFFSITE AREA TO BE DISTURBED: TO BE DETERMINED

(FOR CONTRACTOR USE)

OFFSITE VEHICLE TRACKING:

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

NAME OF RECEIVING WATERS: ARKANSAS RIVER

NOTES:

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

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

DATE: _____

NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

STORMWATER MANAGEMENT PLAN

MAINTENANCE ZONE 1068-N PROJECT COT 144168-N

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY

Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999

Certificate of Authorization No. 531 PE/L.S. Renewal Date June 30, 2022

DRAWN	EG	10/2024	APPROVED:
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DESIGNED	RKF	10/2024
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SURVEY	NOI	08/20/16
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PHOTO. MIGHT	PC/M	4/25
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DATE	11/10
TIME	11:00

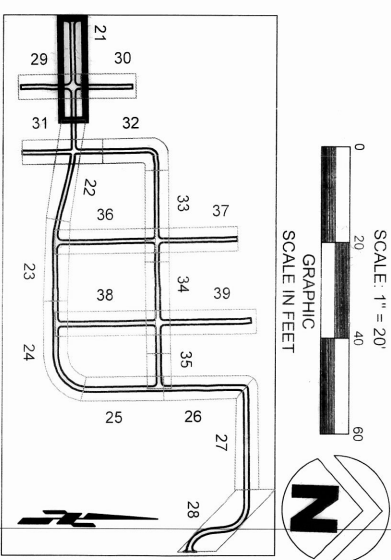
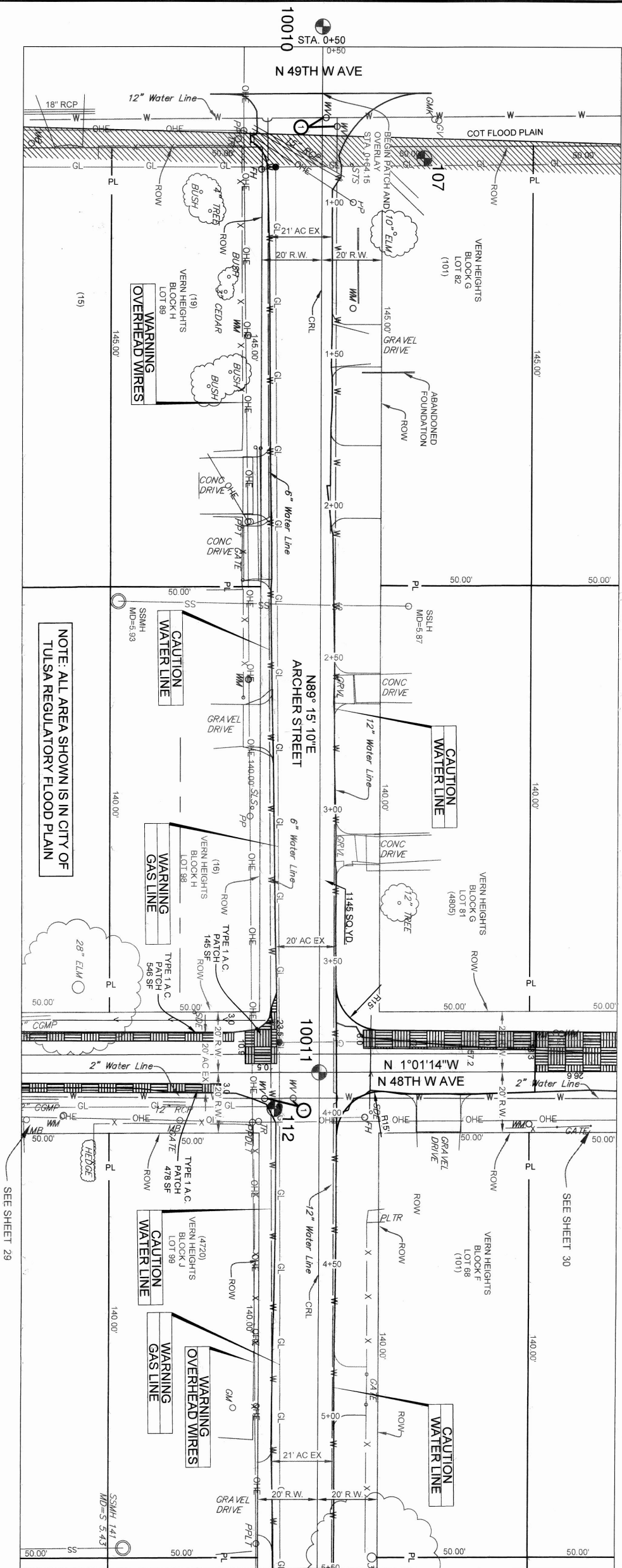
RECOMMENDED: 

DESIGN MANAGER Chen, J. J.
CITY ENGINEER J. J. Chen

DRAWING: _____ DATE: 09.26.25

41
SHEET 19 OF 41 SHEETS

100

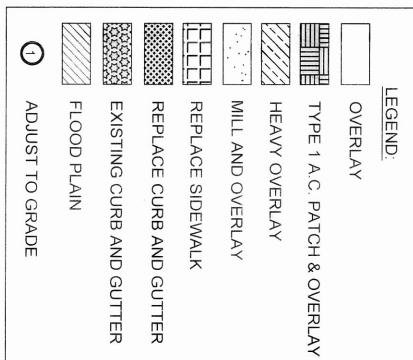


LOCATION MAP
N.T.S.

NOTE:

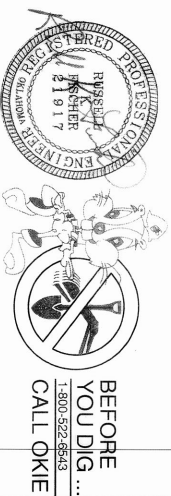
PATCH QUANTITIES AND LOCATIONS SHALL BE
FIELD VERIFIED PRIOR TO CONSTRUCTION WITH
FIELD AND DESIGN ENGINEERING.

MATCH LINE
STA. 5+50
SEE SHEET 22



NOTE: SEE TYPICAL SECTIONS FOR ASPHALT THICKNESS.

DATE: _____



NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE	
ROADWAY PLAN AND PROFILE - W ARCHER STREET	
STA. 0+50 TO 5+50	

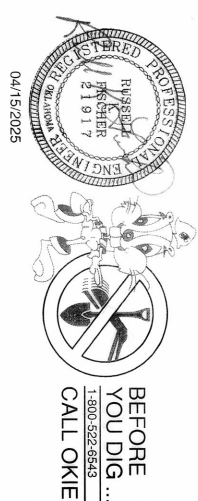
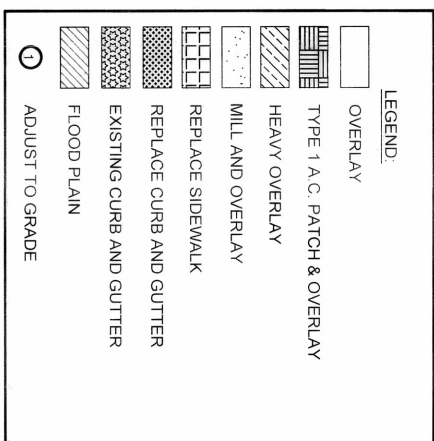
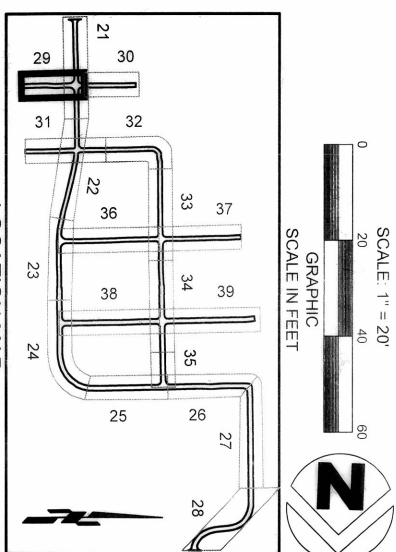
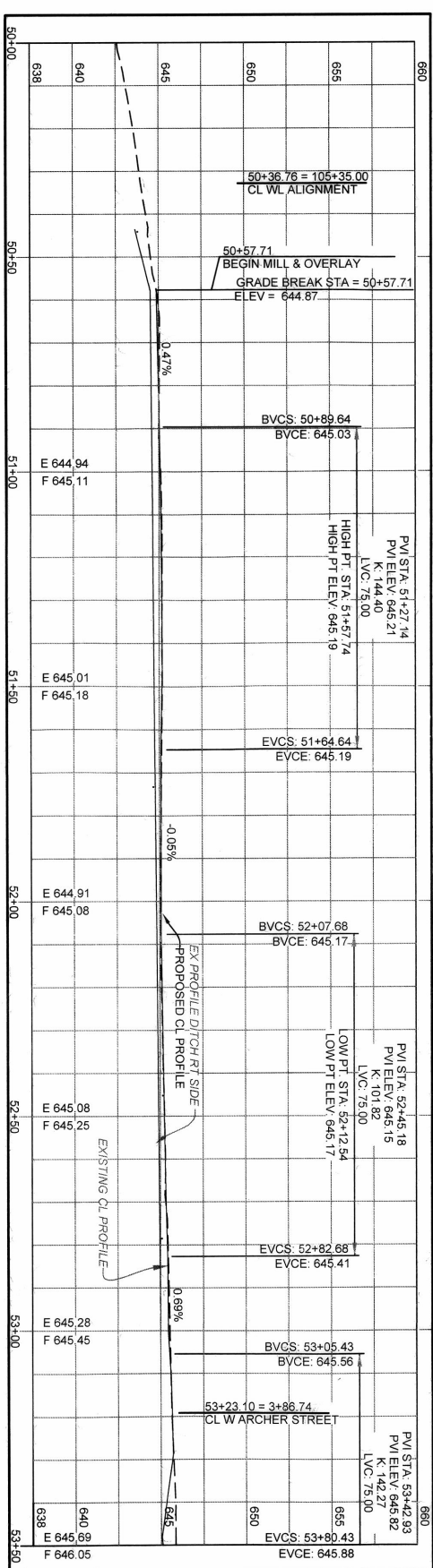
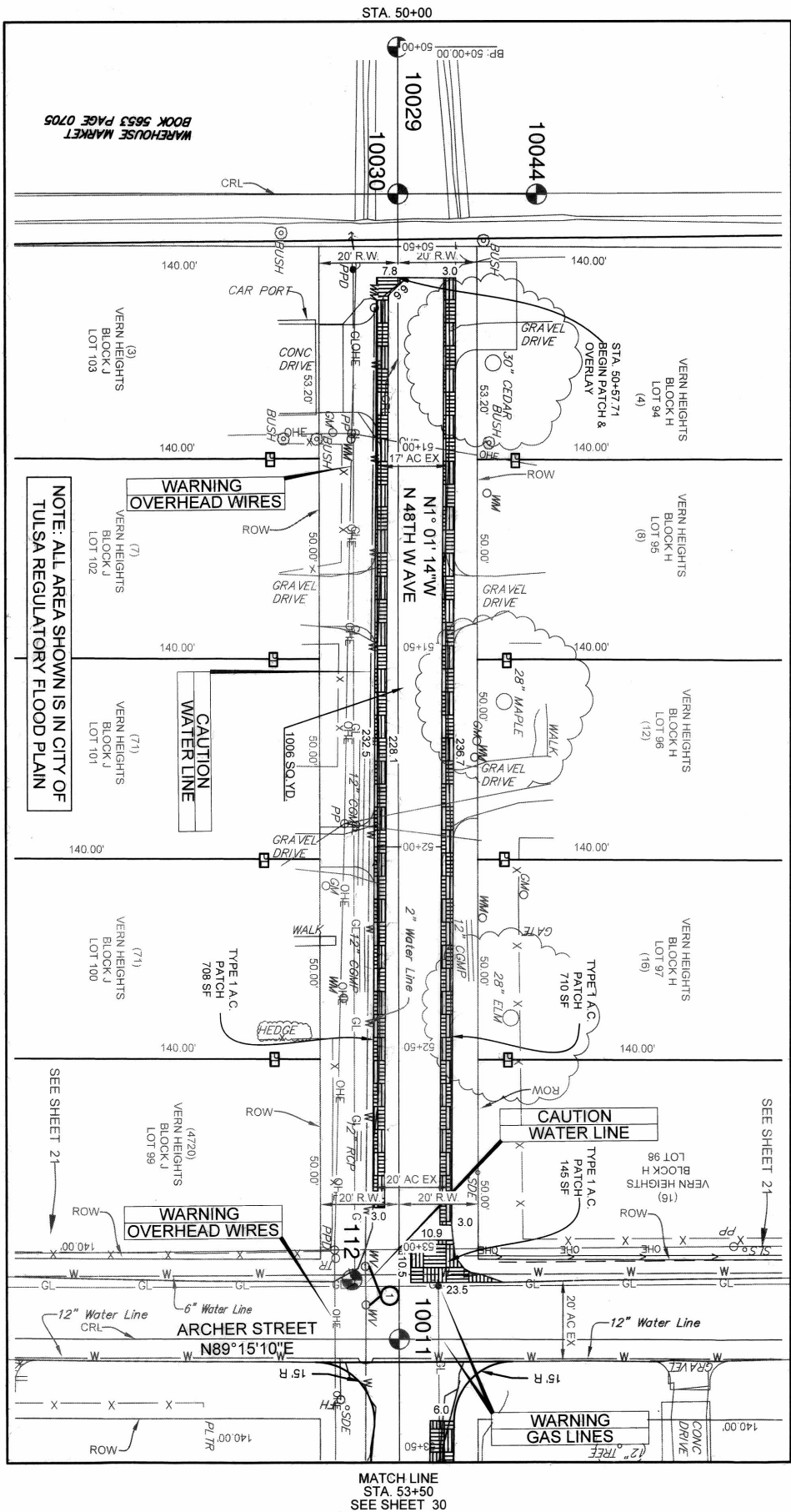
MAINTENANCE ZONE 1068-N PROJECT COT 144168-N

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

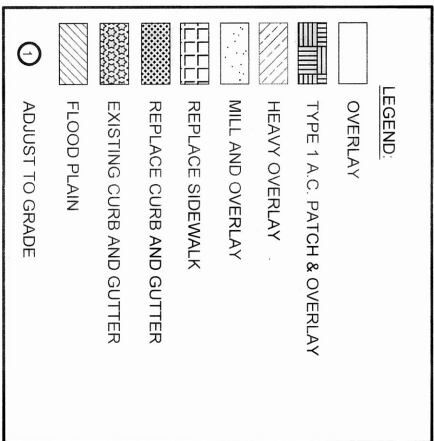
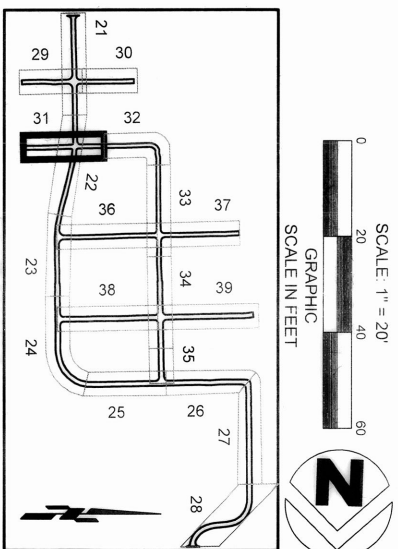
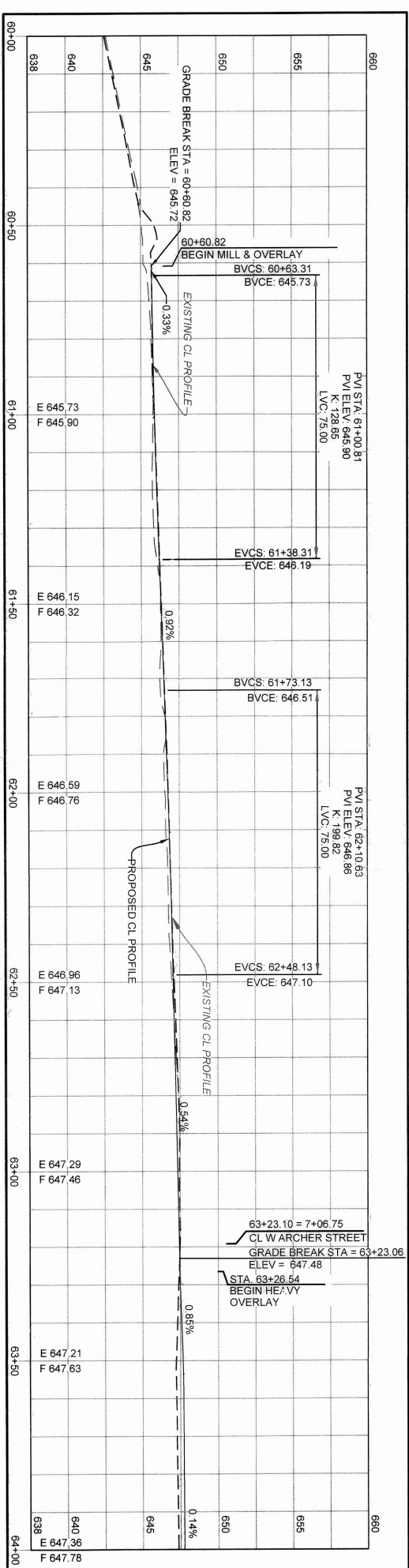
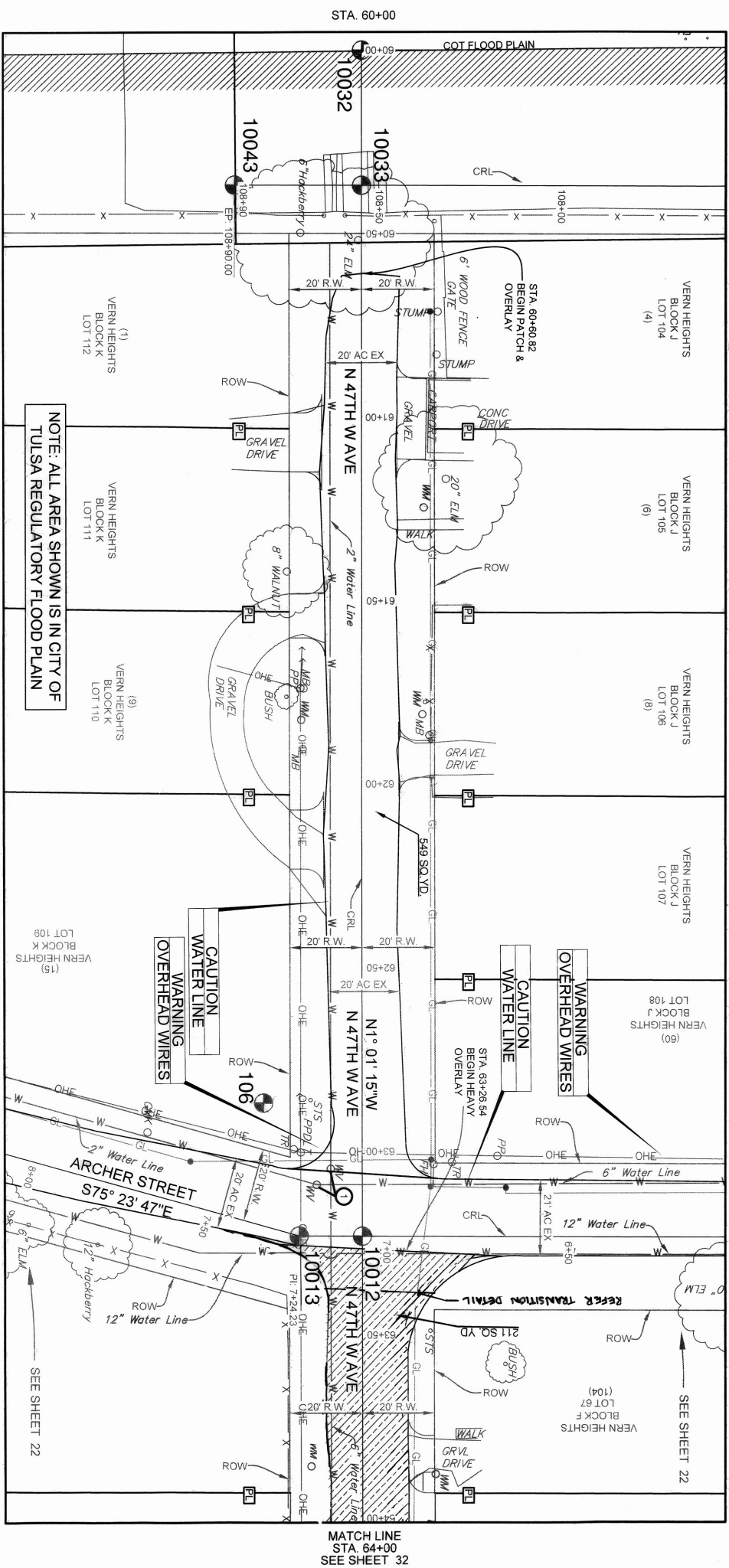
PLANS & ESTIMATES PREPARED BY:

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9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999

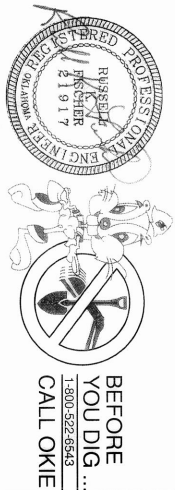
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[illegible]

DATE: 04/15/2025



NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN AND PROFILE - N 47TH WAVE
STA. 60+00 TO 64+00

MAINTENANCE ZONE 1068-N PROJECT COT 144168-N

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-340-5999

PLAN SCALE	DRAWN	EG	10/2024	APPROVED
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	SURVEY	NOI	08/2018
PROJ. MGR.	ABC 08/2025		

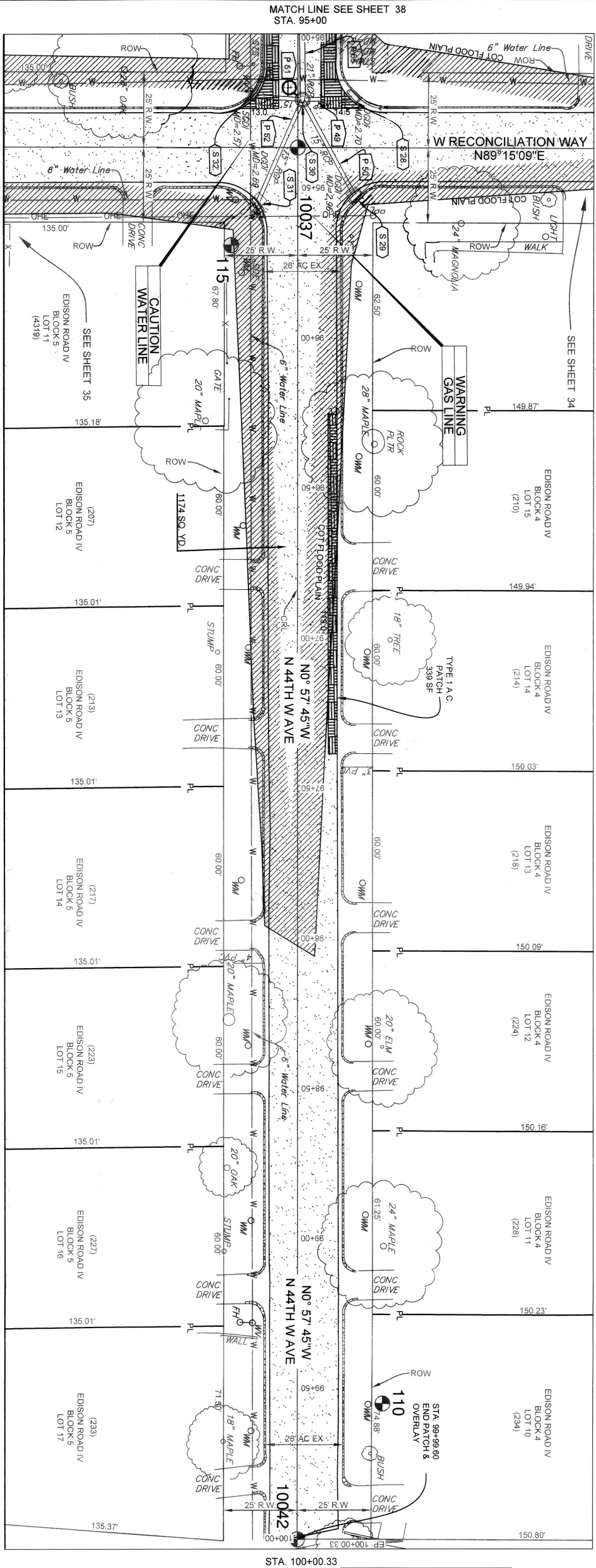
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FIELD MGR.	DM	9/65

VERTICAL: 1" = 5'

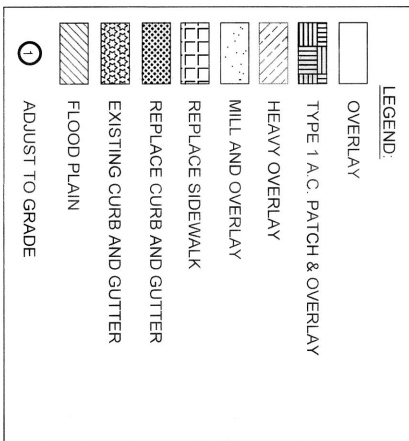
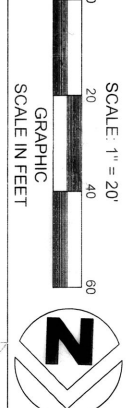
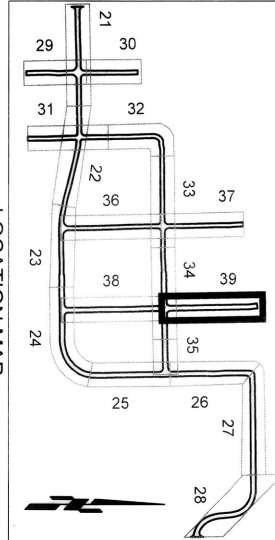
RECOMMENDED: HAS 10-25

DESIGN MANAGER CITY ENGINEER

FILE: _____	DRAWING: _____	DATE: _____
ATLAS PAGE NO.: _____	41	SHEET 3

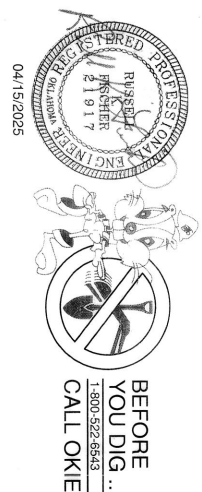


NOTE: PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



NOTE: SEE TYPICAL SECTIONS FOR ASPHALT THICKNESS.

DATE:



NOTE: CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT IN FLOODPLAIN

NON ARTERIAL STREET MAINTENANCE

ROADWAY PLAN AND PROFILE - N 44TH W AVE STA. 95+00 TO 100+00

MAINTENANCE ZONE: 1068 N PROJECT COT 144168 N

CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY:

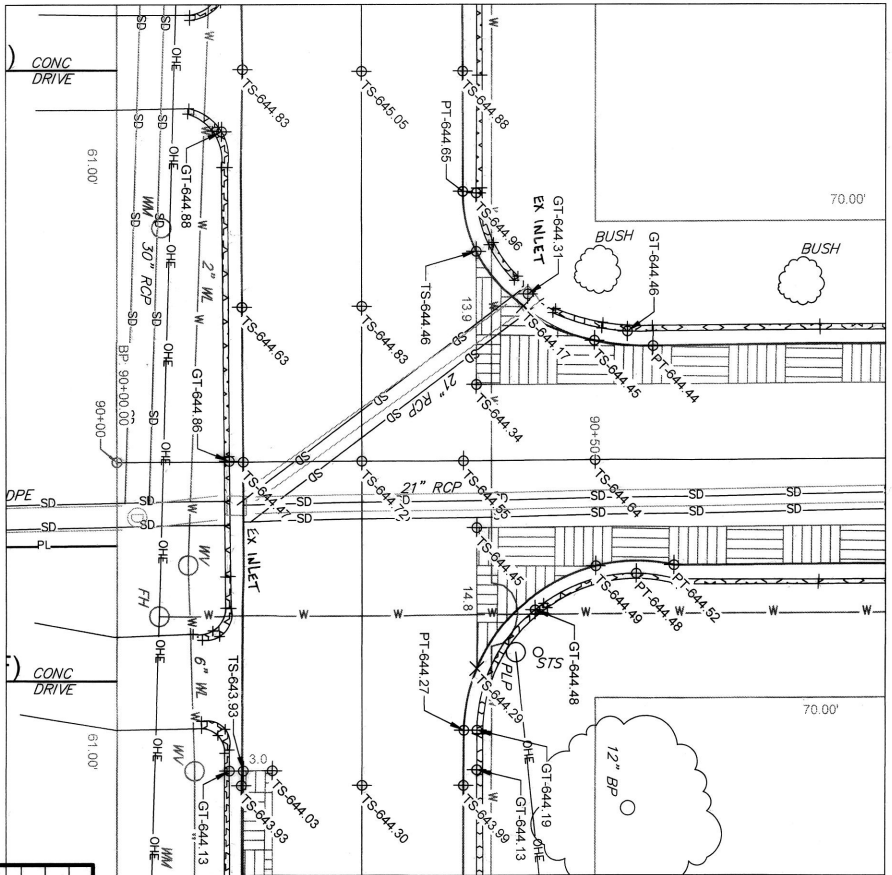
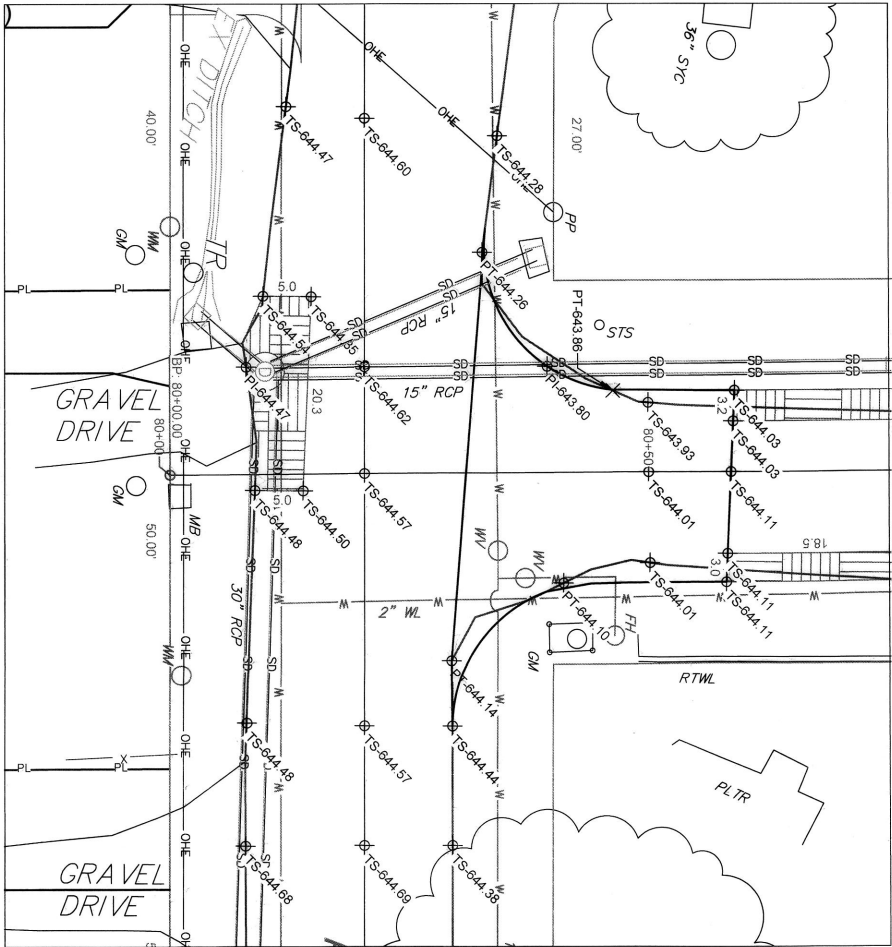
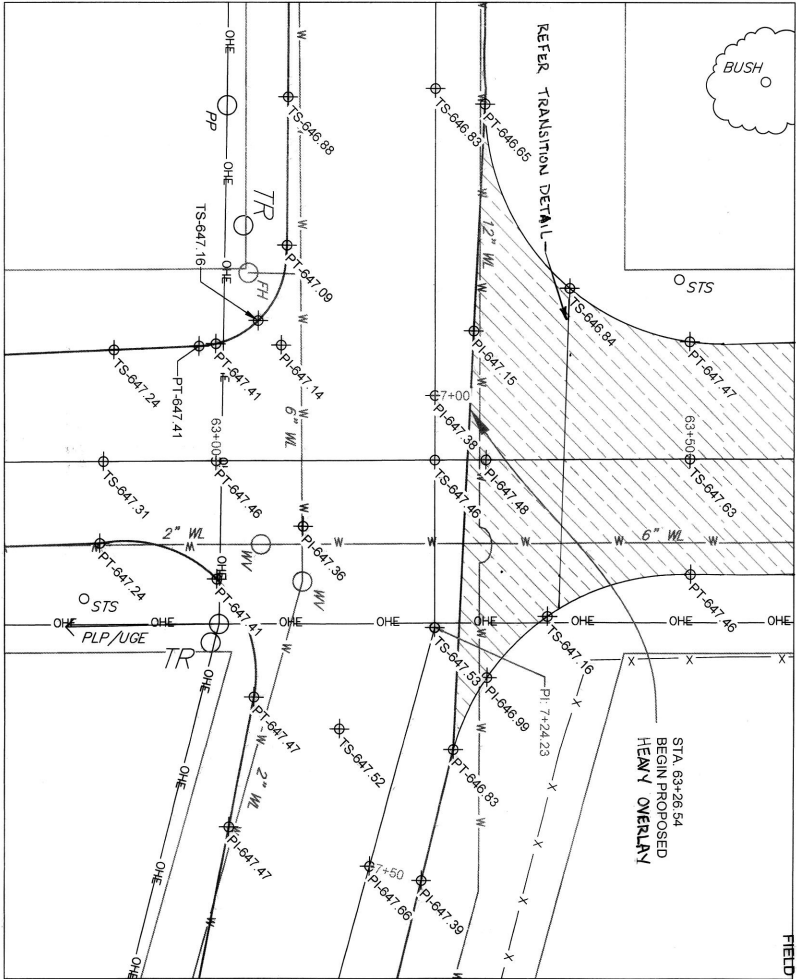
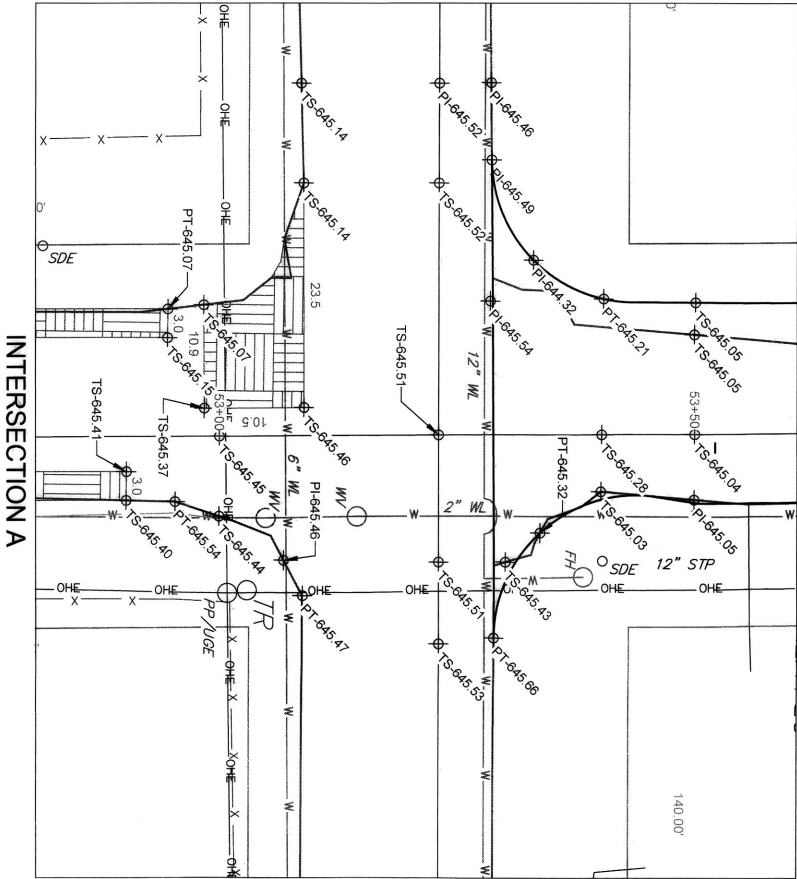
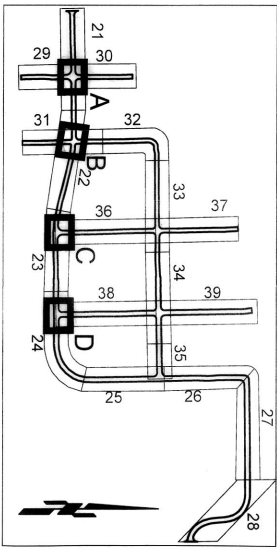
Tulsa Engineering & Planning Associates
9810 E. 42nd Street, Suite 100 Tulsa, Oklahoma 74146
Phone: 918-252-9621 Fax: 918-540-5999
Certificate of Authorization No. 531 P.E. License No. 50,2025

REVISION	BY	DATE
1	EG	10/20/24
2	EG	10/20/24
3	EG	10/20/24
4	EG	10/20/24
5	EG	10/20/24

PROFILE SCALE	DESIGNED	PROJ. MGR.	LEAD ENGR.	FIELD MGR.	RECOMMENDED
1" = 20'	EG	EG	EG	EG	EG
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1" = 20'	EG	EG	EG	EG	EG
1" = 20'	EG	EG	EG	EG	EG
1" = 20'	EG	EG	EG	EG	EG

See SHEET 7 & 8 for Survey Control

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



LEGEND:

- OVERLAY
- TYPE 1 A.C. PATCH & OVERLAY
- HEAVY OVERLAY
- MILL AND OVERLAY
- REPLACE SIDEWALK
- REPLACE CURB AND GUTTER
- EXISTING CURB AND GUTTER
- FLOOD PLAN
- ADJUST TO GRADE
- TS = TOP OF SURFACE
- GT = GUTTER
- PT = POINT OF TANGENT
- PC = POINT OF INTERSECT

NOTE: SEE TYPICAL SECTIONS
FOR ASPHALT THICKNESS.

DATE: 04/15/2025

REGISTERED PROFESSIONAL ENGINEER
RUSSELL
21917

BEFORE
YOU DIG ...
CALL OKIE

NON ARTERIAL STREET MAINTENANCE									
INTERSECTION DETAILS									
MAINTENANCE ZONE: 1068 N PROJECT COT 144168-N									
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT									
PLANS & ESTIMATES PREPARED BY: Tulsa Engineering & Planning Associates 9810 E. 42nd Street, Suite 100, Tulsa, Oklahoma 74146 Phone: 918.252.9621 Fax: 918.340.5999 Certificate of Authorization No. 531 PE/LS Renewal Date June 30, 2025									
REVISION		BY		DATE					
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