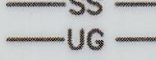
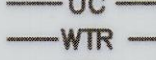
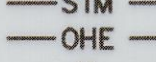
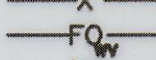
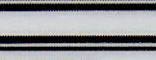
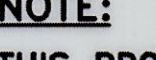
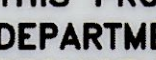
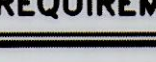
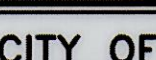
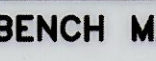
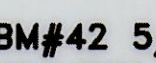


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UTILITY COORDINATION		
UTILITY	CONTACT	PHONE NO.
CITY OF TULSA	CHRIS KOVAC	918-596-9649
AEP/PSO	ADAM FIELDS	918-250-6257
ONG	JONATHON MEADOWS	918-831-8215
AT&T	AL NICHOLS	918-596-4237
COX COMMUNICATIONS	BRANDON WADE	918-286-4716
MTTA	ERIC SMITH	918-830-0024

CITY OF TULSA, OKLAHOMA
ARTERIAL STREET REHAB OF
W. 41ST STREET S.
UNION AVE TO ELWOOD AVE & W 41st S.
& ELWOOD AVE INTERSECTION
PROJECT NO. 2036A0025Z-2036A0035Z
PUBLIC WORKS DEPARTMENT
TULSA, OKLAHOMA

SYMBOL LEGEND		
	ASPHALT	
	CONCRETE	
	GRAVEL	
	UNDERGROUND TELEPHONE	
	UNDERGROUND SANITARY SEWER	
	UNDERGROUND GAS	
	UNDERGROUND CABLE	
	UNDERGROUND WATER	
	UNDERGROUND STORM SEWER	
	OVERHEAD ELECTRIC	
	FENCE	
	UNDERGROUND FIBER OPTIC	
	WATER VALVE	
	WATER METER	
	FIRE HYDRANT	
	SHRUB	
	DECIDUOUS TREE	
	CONIFEROUS TREE	
	GUY WIRE	
	TELEPHONE UNDERGROUND MARKER	
	TELEPHONE PEDESTAL	
	SIGN	
	MAIL BOX	
	GAS METER	
	FIBER OPTIC PEDESTAL	
	TRAFFIC SIGNAL POLE	
	ELECTRIC METER	
	LIGHT POLE	
	TRAFFIC JUNCTION BOX	
	CABLE TV UNDERGROUND MARKER	
	BOLLARD/FENCE POST	
	SANITARY SEWER MANHOLE	
	GAS VALVE	
	STORM SEWER MANHOLE	
	FOUND MONUMENTS	
	SET MONUMENTS	
	POWER POLE	

NOTE:

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

CITY OF TULSA PERMANENT BENCHMARKS

BENCH MARKS: SOURCE BENCH MARK IS C.O.T.

BM#42 5/8" IRON PIN w/1 1/2" ALUMINUM CAP STAMPED "42" SET IN CONCRETE ON THE NORTH SIDE OF 11th ST, AND EAST OF S. HUDSON AVE. APPROXIMATELY 150'. NAVD 1988 ELEV=733.673

BM#41 3" BRASS CAP SET IN CONCRETE POST FLUSH SET SOUTH OF THE INTERSECTION OF 21ST ST., AND S. HUDSON AVE. NAVD 1988 ELEV=768.359

DESIGN DATA

V=35 MPH

ADT(2016) = 10,000 VPD

ADT(2036) = 26,750 VPD

FLEX ESALs 6.4 X 10⁶

Kmin = NA (CREST) Kmin

= NA (SAG)

IN ACCORDANCE WITH ODOT SECTION 105.14, THE CITY OF TULSA 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 LOADING 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 CITY OF TULSA CONSTRUCTION BUDGETS DO NOT ALLOW FOR GROWTH OF THE PROJECT.~~

VERTICAL CONTROL

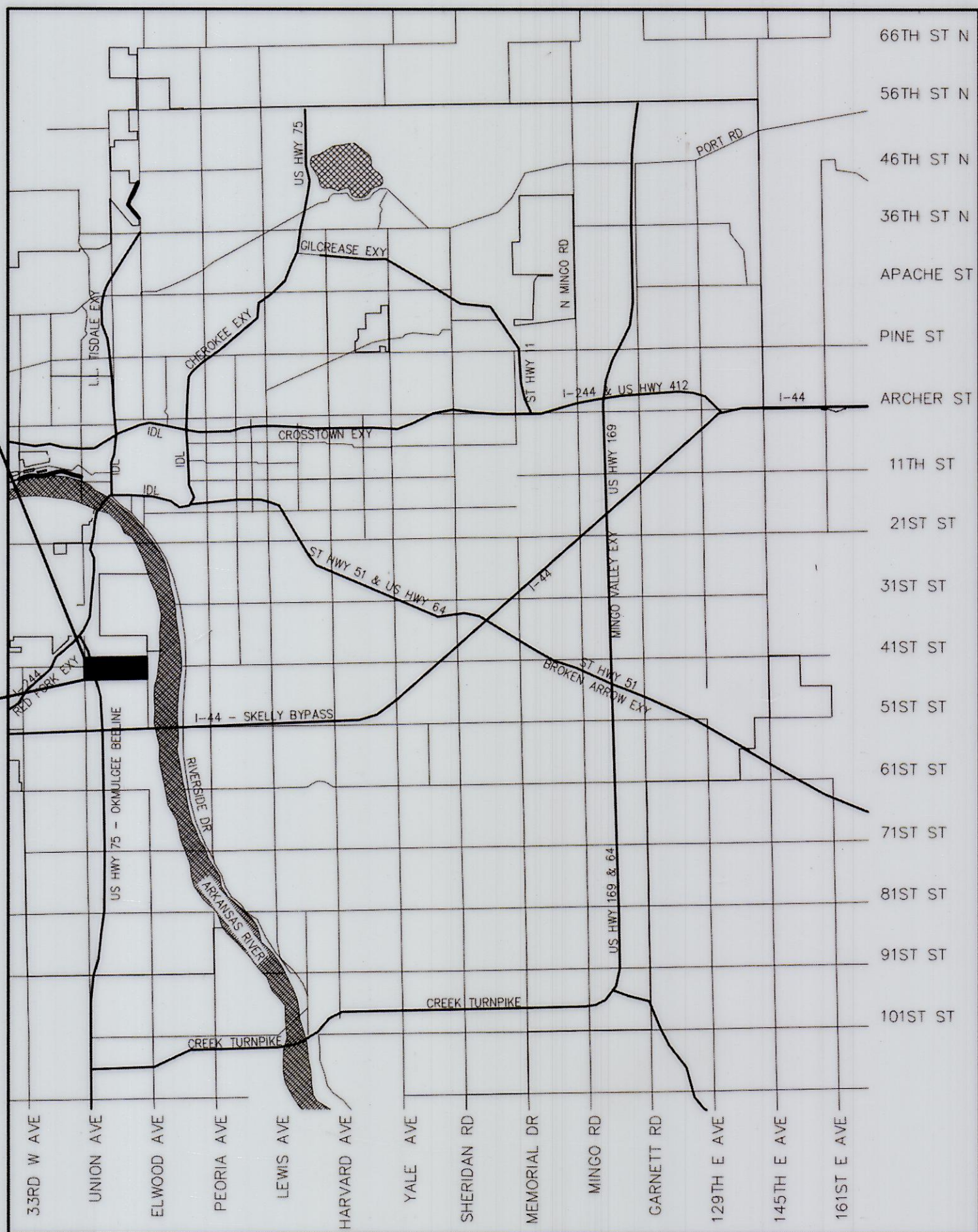
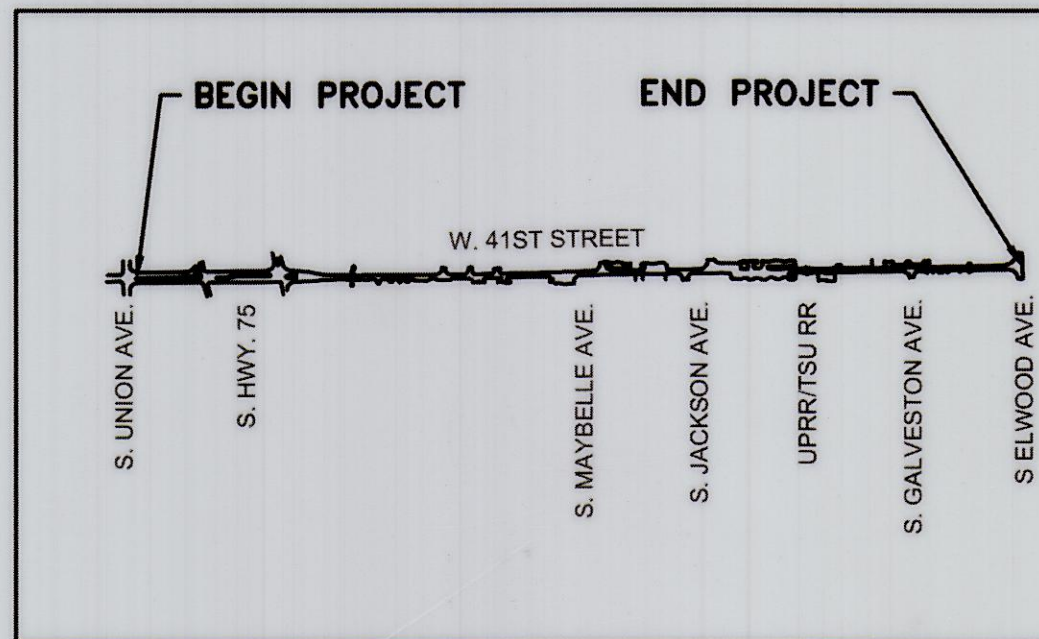
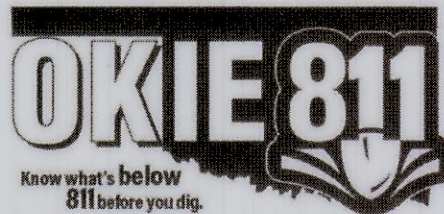
NAVD 1988

HORIZONTAL CONTROL

OKLAHOMA STATE PLANE COORDINATE SYSTEM
NAD 1983 (1993)

NOTE:

CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS GOVERN. ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AS ADOPTED BY CITY OF TULSA.



R 12 E

LOCATION MAP

N.T.S.

Note: Entire project is within the Corporate and City Limits of Tulsa, Oklahoma

PROJECT LENGTH = 5018.68 FT = 0.950 MILES

TOTAL PROJECT LENGTH = 5018.68 FT = 0.950 MILES



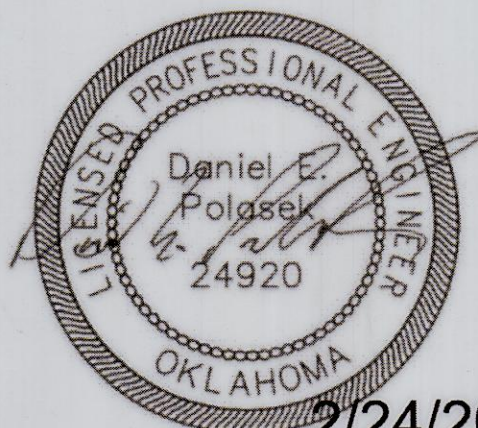
ARCHITECTS
ENGINEERS

CA. 262 (PE) 6-30-2026

1623 E 6TH STREET TULSA,
OKLAHOMA 74120
TEL:918-835-9588
FAX:918-835-9119
MAIL@BKLINC.COM

PREPARED BY:

DANIEL E. POLASEK, PE
PROJECT MANAGER
BKL, INCORPORATED



2/24/2024

SHEET 1 OF 30

CITY OF TULSA STANDARDS

102 PROJECT SIGN
126 STANDARD SILT FENCE, AND CONSTRUCTION ENTRANCE
608A STREET NAME SIGNS
608B TRAFFIC SIGNS
714 PAVEMENT CUTS
725 STANDARD PAVEMENT PATCH AND REPAIR
790 STANDARD SIDEWALK RAMP

ODOT STANDARDS

ROADWAY		TRAFFIC		
TESCA-0	DC-4-1	PM1-1-03	TCS4-1-01	TCS14-1-00
TSD-0		PM3-1-02	TCS5-1-00	TCS19-1-01
TFL-0		PM8-1-01	TCS6-1-02	
SSS-2-1		TCS1-1-01	TCS8-1-00	
ASCD6-1		TCS2-1-00	TCS9-1-01	

APPROVED BY:

[Signature]
CITY ENGINEER

4/28/2025
DATE

JUNE 19, 2026

ADVERTISE DATE

INDEX OF SHEETS

1 TITLE SHEET
2-3 PAY QUANTITIES & NOTES
4 TYPICAL SECTION
5 STORMWATER MANAGEMENT PLAN
6 ROADWAY KEY & BORING LOCATION MAP
7-12 E. 41ST STREET PLAN
13 CONCRETE DITCH PLAN & PROFILE
14-19 SIGNING & STRIPING PLAN
20 SUMMARIES
21 DETOUR PLAN
22-25 TRAFFIC CONTROL PHASE 1
26-29 TRAFFIC CONTROL PHASE 2
30 TRAFFIC CONTROL (ELWOOD AVE.)



ARTERIAL STREET REHAB OF E. 41ST ST. S. - UNION AVE. TO ELWOOD AVE. AND
41ST STREET S. & ELWOOD INTERSECTION - PROJ. NO. 2036A0025Z-2036A0035Z

1623 E. 6TH STREET TULSA,
OKLAHOMA 74120
TEL:918-835-9588
FAX:918-835-9119
MAIL@BKLINC.COM



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PAY QUANTITIES					
ITEM NO.	SPEC. NO.	DESCRIPTION	PAY ITEM NOTE	UNIT	QUANTITY
2001	202(A)	UNCLASSIFIED EXCAVATION	E-3,4, R-1	CY	183
2002	205(A)	TYPE A SALVAGED TOPSOIL		CY	65
2003	220	SWPPP DOCUMENTATION	E-6, E-7	LSUM	1
2004	230(A)	SOLID SLAB SODDING	E-10,11	SY	840
2005	303(A)	AGGREGATE BASE (TYPE A)	S-1,2	CY	964
2006	310(B)	SUBGRADE METHOD B		SY	2,893
2007	325	SEPARATOR FABRIC	S-3	SY	3,617
2008	COT 334	CONSTRUCTION AS-BUILT		LSUM	1
2009	COT 335	CONTRACTOR'S QUALITY CONTROL		LSUM	1
2010	409	FABRIC REINFORCEMENT	S-4	SY	13,388
2011	411(C)	SUPERPAVE, TYPE S4 (PG 70-28)	S-5,6,7,8,23	TON	1,500
2012	411(D)	SUPERPAVE, TYPE S6 (PG 70-28)	S-5,6,7,8	TON	376
2013	412	COLD MILL PAVEMENT	S-9,22	SY	13,388
2014	502(A)	ENGINEERED FALSEWORK		LSUM	1
2015	509(D)	CLASS C CONCRETE	S-12	CY	19
2016	COT 608	GROUND SIGN		SF	224
2017	COT 608	1-1/2" SIGN POST		LF	24
2018	COT 608	1-3/4" SIGN POST		LF	186
2019	COT 608	2" SIGN POST		LF	57
2020	COT 609(A)	CONCRETE CURB (INTEGRAL)	S-15	LF	30
2021	610(A)	4" CONCRETE SIDEWALK	S-12, 13, 16, 17	SY	313
2022	610(I)	TACTILE WARNING DEVICE-NEW		SF	60
2023	611(G)	INLET CDI RCP DES. 1		EA	1
2024	641	MOBILIZATION	G-2	LSUM	1
2025	642(A)	CONSTRUCTION STAKING LEVEL II	G-3,4	EA	1
2026	855(A)	TRAFFIC STRIPE (4")(PLASTIC)	T-3	LF	20,793
2027	855(A)	TRAFFIC STRIPE (12")(PLASTIC) (MULTI-POLYMER)]	T-3	LF	84
2028	855(A)	TRAFFIC STRIPE (24")(PLASTIC) (MULTI-POLYMER)]	T-3	LF	615
2029	855(A)	TRAFFIC STRIPE (PLASTIC)(MULTIPOLYMER)] (ARROWS)	T-3	EA	5
2030	880(B)	CONSTRUCTION SIGNS 0.00 TO 6.25 SF	T-4,5	SD	2,610
2031	880(B)	CONSTRUCTION SIGNS 6.26 TO 15.99 SF	T-4,5	SD	7,300
2032	SPECIAL	OWNER ALLOWANCE		EA	20,000
2033	880(C)	BARRICADES (TYPE III)	T-4,5	SD	16,470
2034	880(E)	TYPE "A" WARNING LIGHT	T-4,5	SD	34,740
2035	880(F)	DRUMS	T-4,5	SD	11,250
2036	880(G)	TUBE CHANNELIZERS	T-4,5	SD	9,000
2037	880(I)	FLAGGER	T-6	FD	50
2038	882(B)	REMOTE CONTROLLED CHANGEABLE MESSAGE SIGN	T-4	SD	100
2039	SPECIAL	PROJECT SIGN (CITY OF TULSA)	T-7	EA	2
2040	SPECIAL	TYPE I AC PATCH	S-21,G-1	CY	639
2041	SPECIAL	TYPE I PCC PATCH	S-21,G-1	CY	6
2042	SPECIAL	CURB RAMP		EA	9
2043	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	G-5,6,7,8,9,10	EA	1
2044	COT 202	QUICK SET FLOWABLE FILL	G-1, D-8	CY	12
2045	SPECIAL	RAILROAD FLAGMAN		EA	5,000
2046	SPECIAL	COORDINATION WITH RAILROAD		EA	10,000
2047	SPECIAL	INSURANCE FOR WORK WITHIN RAILROAD RIGHT-OF-WAY		EA	10,000

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.

ENGINEERING SERVICES - TRANSPORTATION DESIGN

PAY ITEM NOTES (VERSION: 11/14/2018)

EARTHWORK / EROSION CONTROL / SITE PREPARATION

E-1: NOT USED

E-2: NOT USED

E-3: THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY. ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES.

E-4: UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF AGGREGATE BASE AND MODIFIED SUBGRADE UNDER EXISTING PAVEMENT TO BE REPAIRED.

E-5: 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.
ALL COST FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.

E-8: NOT USED.

E-9: NOT USED.

EARTHWORK / EROSION CONTROL / SITE PREPARATION (CONT.)

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. 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

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.

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

S-8 (TABLE):

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

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

S-17: ONE SIDEWALK PANEL ON EACH SIDE OF DRIVEWAYS SHALL BE A MINIMUM OF 6" THICK OR MATCH EXISTING DRIVEWAY THICKNESS, WHICHEVER IS GREATER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE COST OF THE THICKENED SIDEWALK THROUGH THIS AREA.

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: REPLACE AC PAVEMENT ON CONCRETE DRIVEWAYS APRONS AND GUTTERS DURING EDGE MILLING AND COLD MILLING OPERATIONS

S-23: REPLACE AC IN GUTTER, AS NEEDED, FOR POSITIVE STORMWATER DRAINAGE AND SMOOTH DRIVEWAY TRANSITIONS.

REMOVAL AND ADJUSTMENT

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: NOT USED.

R-3: NOT USED.

R-4: NOT USED.

R-5: NOT USED.

R-6: NOT USED.

GENERAL

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: SHALL INCLUDE THREE ROW BARBED WIRE ON TOP OF FENCE AND GATES.

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: 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 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.

G-8: TREE GRATES ARE NOT ACCEPTABLE PER CITY ARBORIST. CONCRETE PAVERS ARE TO BE USED AS NECESSARY AROUND TREES.

G-9: CONTRACTOR SHALL COORDINATED 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

D-1: NOT USED

D-2: NOT USED.

D-3: NOT USED.

D-4: NOT USED.

D-5: NOT USED.

D-6: NOT USED.

D-7: NOT USED.

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

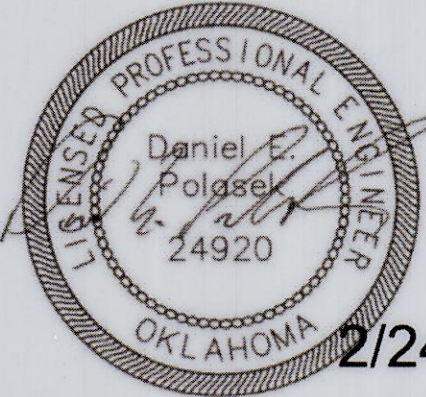
D-9: NOT USED.

D-10: NOT USED.

D-11: NOT USED.

D-12: NOT USED.

D-13: NOT USED.



2/24/2024

PAY QUANTITIES & NOTES (1 OF 2)						
PROJ. 2036A0025Z-2036A0035Z						
41ST ST. S. - UNION AVE. TO ELWOOD AVE.						
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT						
PLANS & ESTIMATES PREPARED BY: BKL, INCORPORATED						
1623 E. 6TH STREET		TULSA, OKLA. 74120		918-835-9588		
REVISION	BY	DATE	PLAN SCALE:	DRAWN BY:	FLK 9/23	APPROVED:

X:\Projects\817-cot-41st west-union to elwood\DWG\Sheets\817-PQ01.dwg, 250224 - 8:31 AM, DEP

ENGINEERING SERVICES - TRANSPORTATION DESIGN (CONT.)
PAY ITEM NOTES (VERSION: 11/14/2018)

TRAFFIC

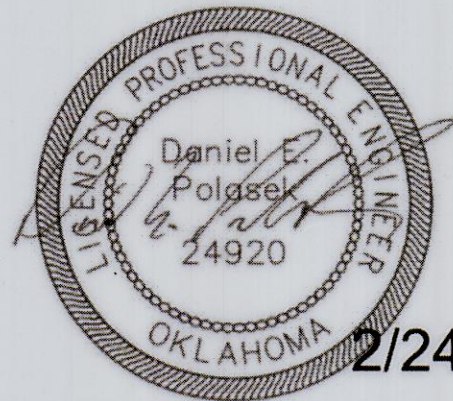
- T-1: NOT USED.
- T-2: NOT USED.
- T-3: ALL PLASTIC PAVEMENT MARKINGS SHALL BE:
EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEEDS 55°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.
- 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.
- T-8: NOT USED.

GENERAL CONSTRUCTION NOTES:

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, MCIVERIZON, EASYTEL COMMUNICATIONS, WELLSCO VALLOR TELECOM, CITY OF TULSA-WATER AND SEWER, CITY OF TULSA-TRAFFIC OPERATIONS. SEE TITLE SHEET FOR CONTACT INFORMATION.
6. THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS , EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
7. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM 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.

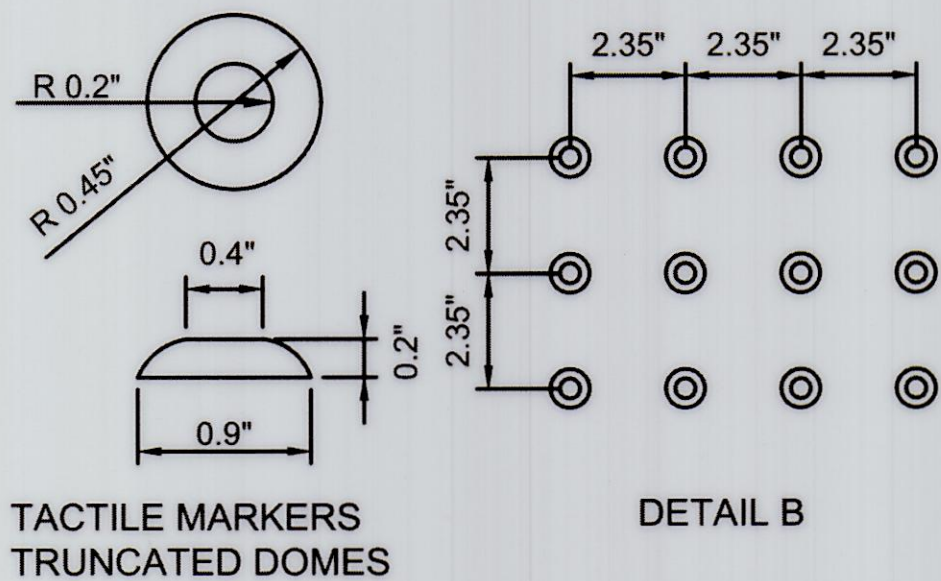
10. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER 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 DICOLORATION 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 ~~AUGUST 2, 2023~~ 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 CONTACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUR PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
41. ALL TRENCH WIDTHS & BEDDING MATERIAL SHALL BE AS SHOWN ON COT STANDARD PIPE BEDDING DETAIL, STANDARD NO. 751. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED.
42. THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN TULSA TRANSIT AUTHORITY (MTTA), ERIC SMITH 918-830-0024, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO DETOURING TRAFFIC.
43. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.
44. EACH PHASE MUST BE COMPLETED BEFORE BEGINNING NEXT PHASE.



2/24/2024

REVISION	BY	DATE	PLAN SCALE:	DRAWN BY:	FLK	9/23	APPROVED:
				DESIGNED BY:	DEP	9/23	
				SURVEY BY:	TLS	4/23	
			PROFILE SCALE	PROJ. MGR.	RF	3/25	
			HORIZONTAL:	LEAD ENGR.	D	3/25	
			FIELD MGR.		RF	3/25	
			VERTICAL:	RECOMMENDED:	RF	3-25	
				DESIGN MANAGER			CITY ENGINEER
			FILE:	DRAWING:			DATE: 4/28/2025
			ATLAS PAGE NO:	140, 191			SHEET 3 OF 30 SHEETS



**TACTILE MARKERS
TRUNCATED DOMES**

N.T.S.

TACTILE WARNING DETAILS INSTALLATION NOTES

THE YELLOW TRUNCATED DOME SURFACE SHALL CONTRAST VISUALLY WITH THE ADJOINING WALKING SURFACES.

THE TRUNCATED DOMES SHALL BE:

- PRECAST CONCRETE PANELS WITH A NOMINAL THICKNESS OF 7/8 INCH TO 2 INCHES, AND A MINIMUM OF 12" X 16". THEY SHALL BE CONSTRUCTED WITH A MINIMUM OF 4000 PSI CONCRETE. THEY SHALL BE YELLOW IN COLOR AND MEET ALL ADA REQUIREMENTS FOR COLOR CONTRAST AND DIMENSIONS.

OR

- FLANGED CAST IN PLACE GLASS AND CARBON REINFORCED COMPOSITE PANEL AS MANUFACTURED BY ADA SOLUTIONS

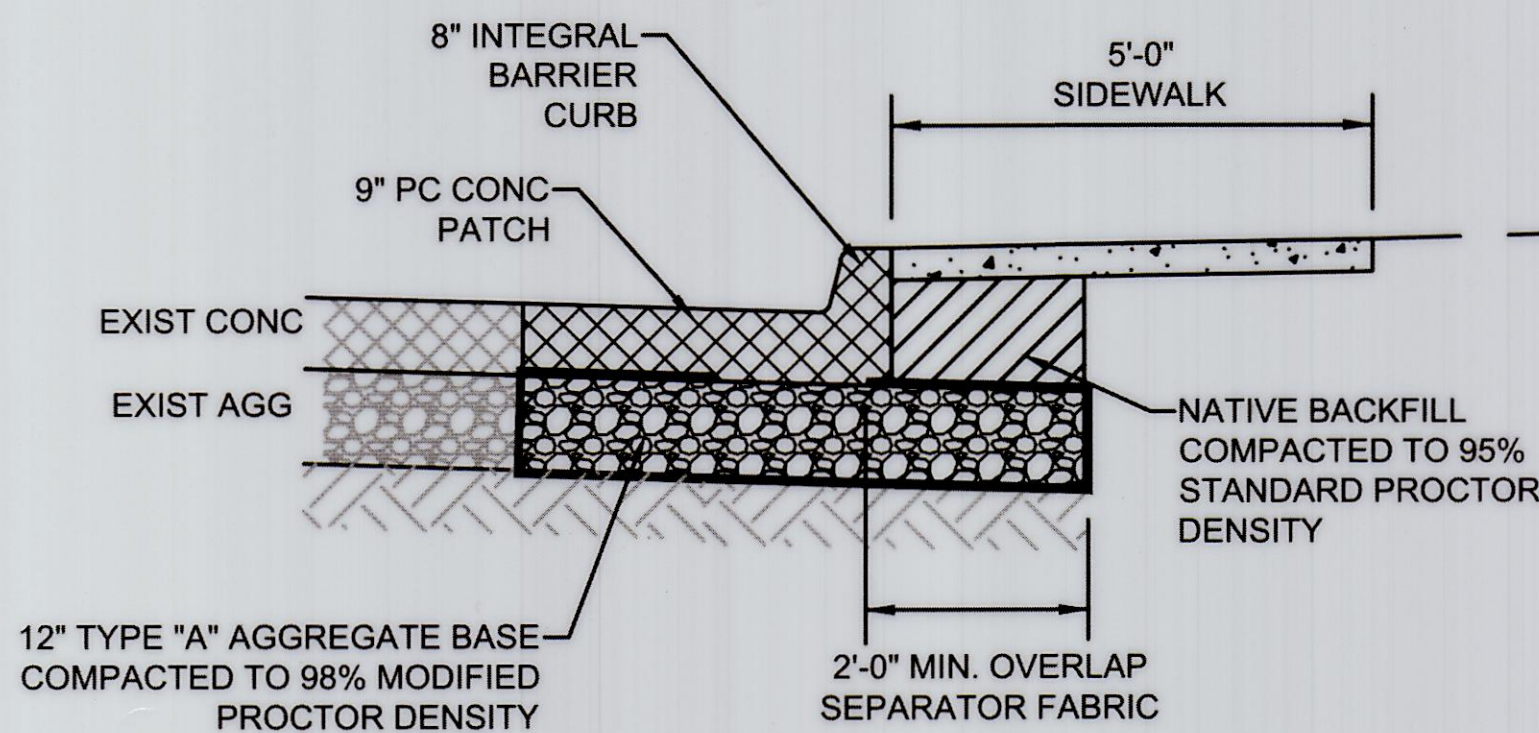
OR

- DUCTILE IRON

OR

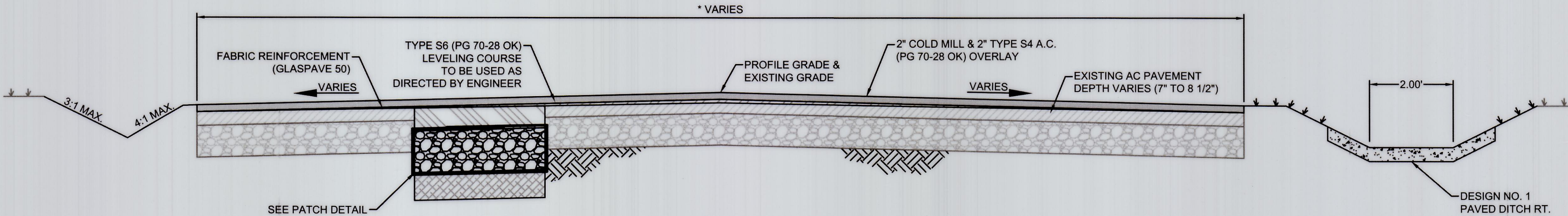
- CAST IRON

RETROFIT INSTALLATION WILL NOT REQUIRE EXISTING DEPRESSED CURBING TO BE REPLACED. A NOMINAL 6 TO 8 INCH SETBACK FROM FACE OF CURB SHALL BE ENFORCED FOR NEAR EDGE OF TACTILE DOMES.



PC CONC PATCH DETAIL

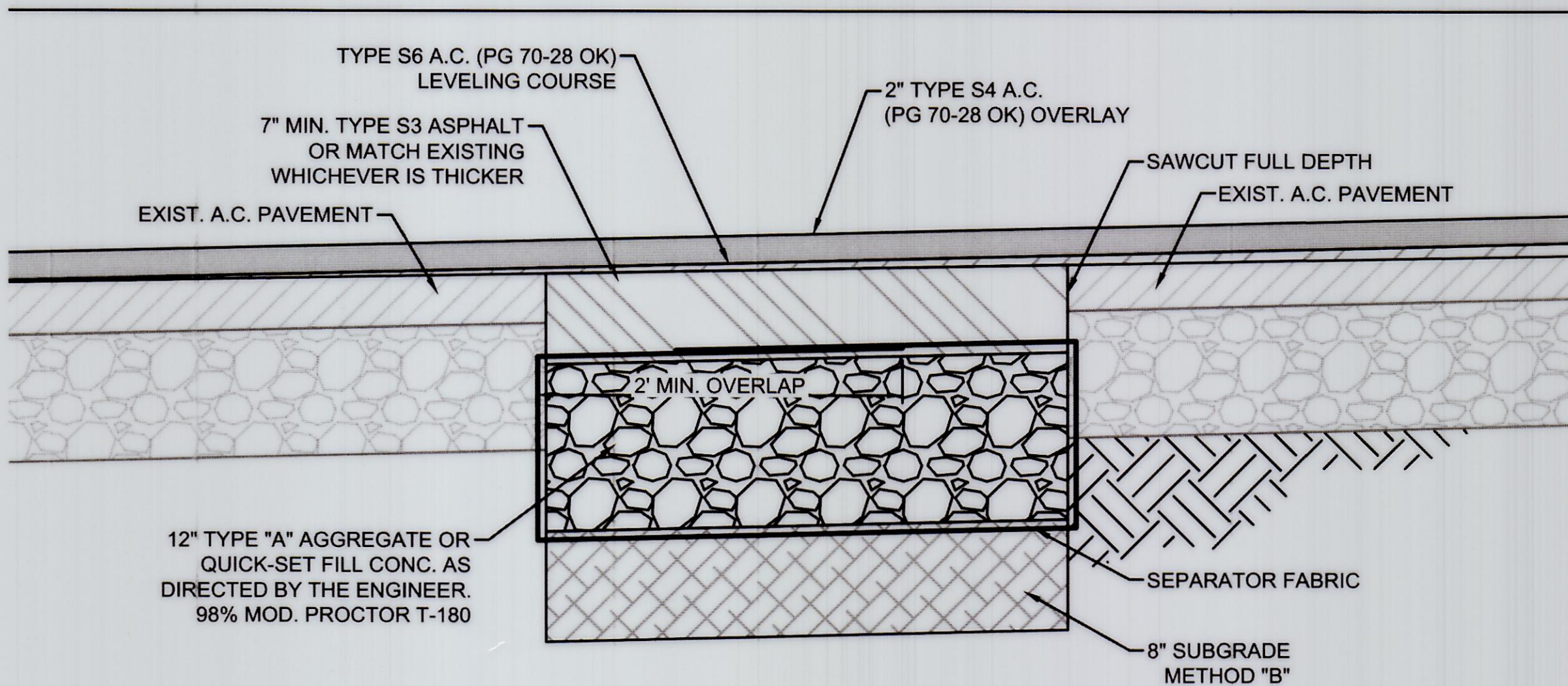
N.T.S.



**TYPICAL SECTION NO. 1
COLD MILL AND A.C. OVERLAY**

N.T.S.

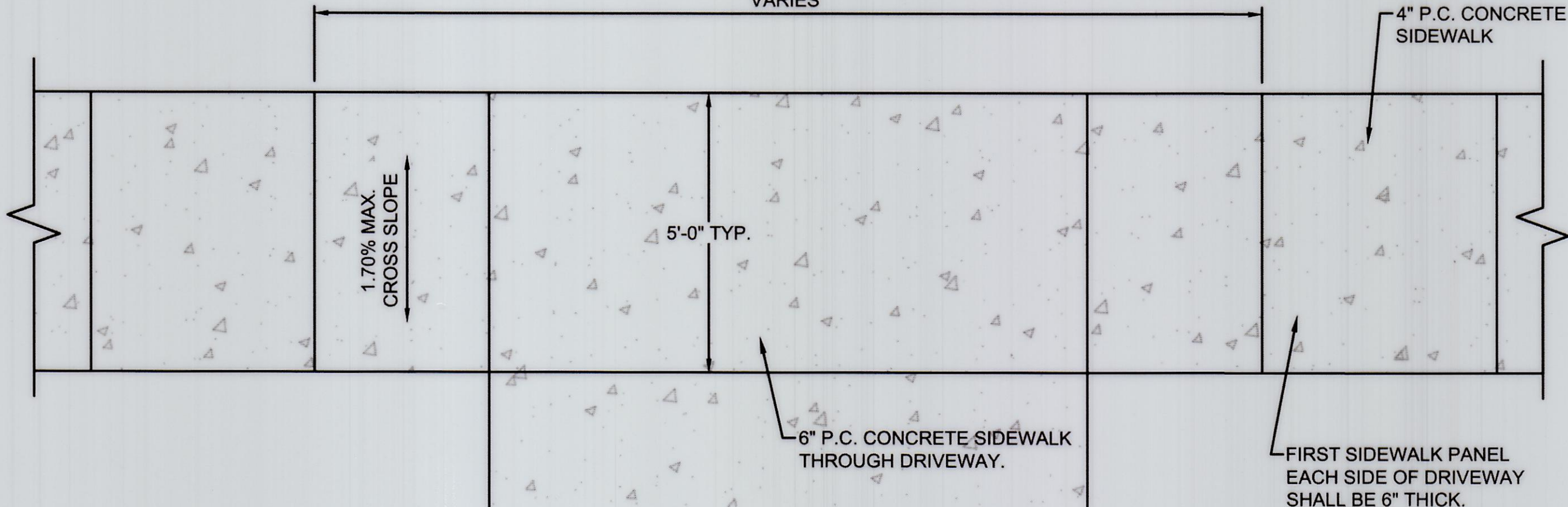
- * STA. 20+62.84 TO STA. 23+76.24 VARIES 64'-3" TO 25'-0"
- * STA. 23+76.24 TO STA. 62+50.00 25'-0"
- * STA. 62+50.00 TO STA. 63+91.56 VARIES 25'-0" TO 127'-5"



**TYPE 1 A.C. PATCH
ARTERIAL**

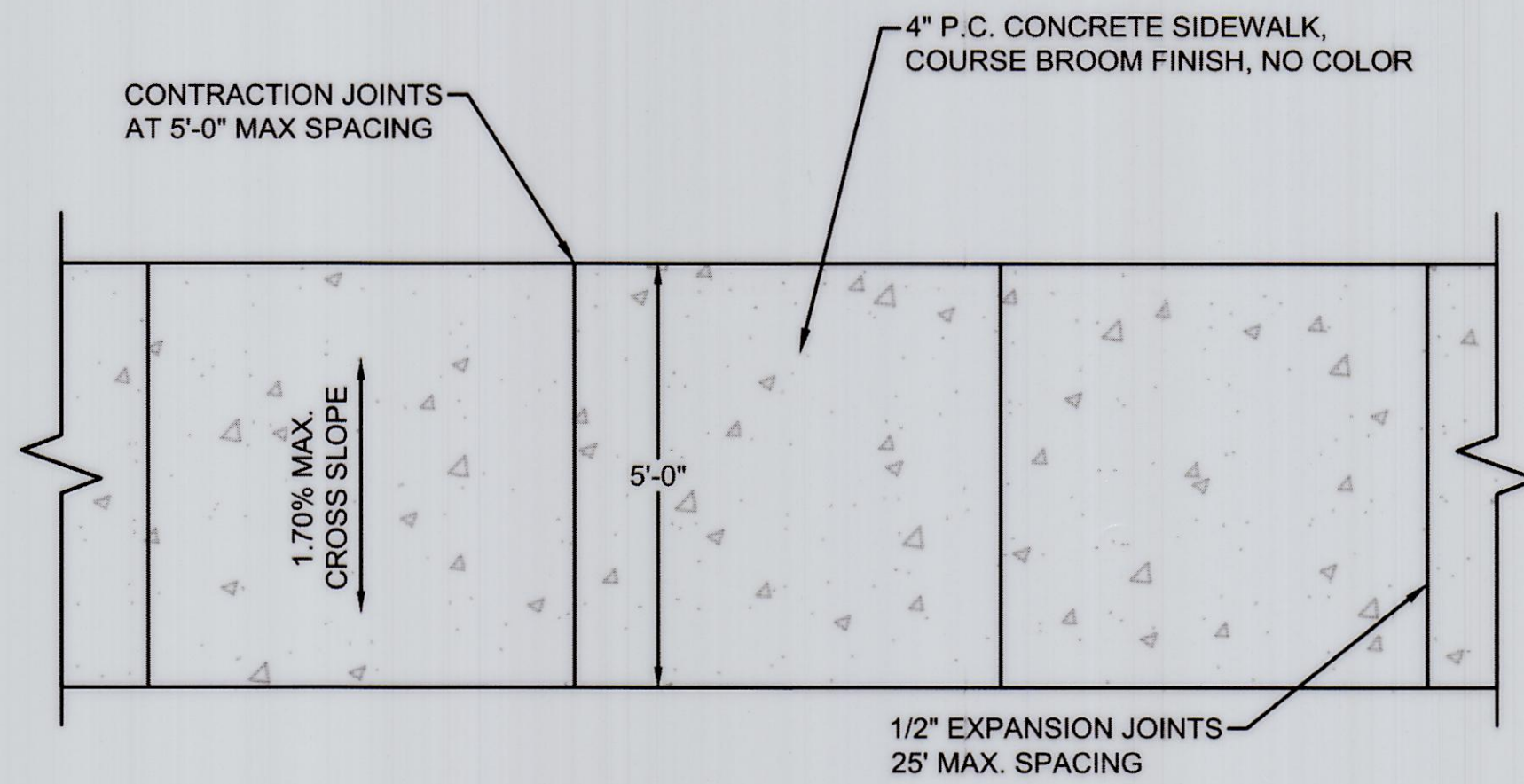
N.T.S.

DRIVEWAY WIDTH
VARIES



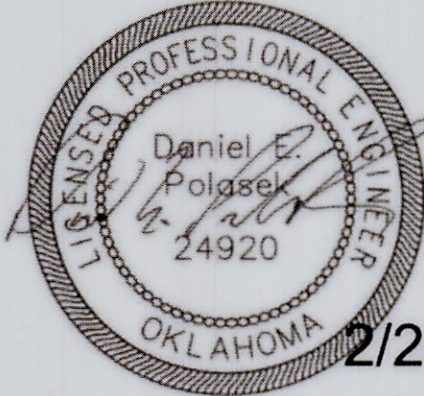
DRIVEWAY DETAIL

N.T.S.



SIDEWALK DETAIL

N.T.S.



TYPICAL SECTION			
PROJ. 2036A0025Z-2036A0035Z			
41ST ST. S. - UNION AVE. TO ELWOOD AVE.			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS & ESTIMATES PREPARED BY: BKL, INCORPORATED			
1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588			
REVISION	BY	DATE	APPROVED:
PLAN SCALE:	DRAWN BY:	FLK	9/23
NTS	DESIGNED BY:	DEP	9/23
	SURVEY BY:	TLS	4/23
PROFILE SCALE:	PROJ. MGR.	RF	7/15
HORIZONTAL:	LEAD ENGR.	DD	5/15
NA	FIELD MGR.	DM	8/12
VERTICAL:	RECOMMENDED:	HAS	3-25
NA	DESIGN MANAGER		
FILE:	DRAWING:		
ATLAS PAGE NO:	140, 191	DATE:	4/28/2025
		SHEET	4 OF 30 SHEETS

STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION

EROSION AND SEDIMENT CONTROLS

PROJECT LIMITS: 41ST - UNION AVE. TO ELWOOD AVE.

PROJECT DESCRIPTION: ARTERIAL REHABILITATION. PAVEMENT REHABILITATION

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

SOIL TYPE: CHOSKA-SEVERN-URBAN LAND COMPLEX

TOTAL AREA OF THE CONSTRUCTION SITE: 2.77 ACRES

ESTIMATED AREA TO BE DISTURBED: 2.77 ACRES

OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 2.77 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 2.77 ACRES

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 0.6

LATITUDE & LONGITUDE OF CENTER OF PROJECT: 36°06'16" N, 96°00'10" W

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: ARKANSAS RIVER

SENSITIVE WATERS OR WATERSHEDS: YES NO

303 (d) IMPAIRED WATERS: YES NO

IF YES, LIST IMPAIRMENT: TURBIDITY 5a

LOCATED IN A TMDL: YES NO

LAKE THUNDERBIRD TMDL: YES NO

MS4 ENTITY YES NO

IF YES, LOCATION: CITY OF TULSA

NOTE: THIS SHEET SHOULD BE USED IN CONJUNCTION WITH THE PAY ITEMS, & NOTES.

SOIL STABILIZATION PRACTICES:

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

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

STRUCTURAL PRACTICES:

- STABILIZED CONSTRUCTION EXIT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKES
- 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
- TEMPORARY SEDIMENT REMOVAL
- RIP RAP
- INLET SEDIMENT FILTER
- TEMPORARY BRUSH SEDIMENT BARRIERS
- SANDBAG BERMS
- TEMPORARY STREAM CROSSINGS

OFFSITE VEHICLE TRACKING:

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

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

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

WASTE MATERIALS:

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

HAZARDOUS MATERIALS:

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

GENERAL NOTES:

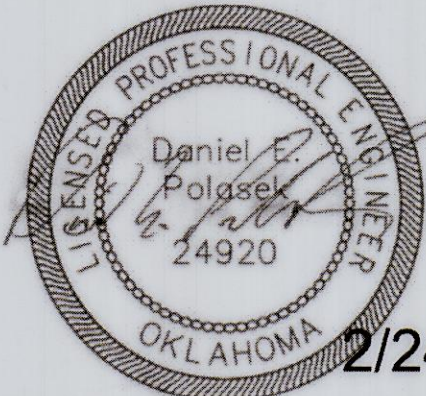
A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT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

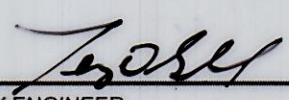
THE FOLLOWING SECTIONS OF THE 2019 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:

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

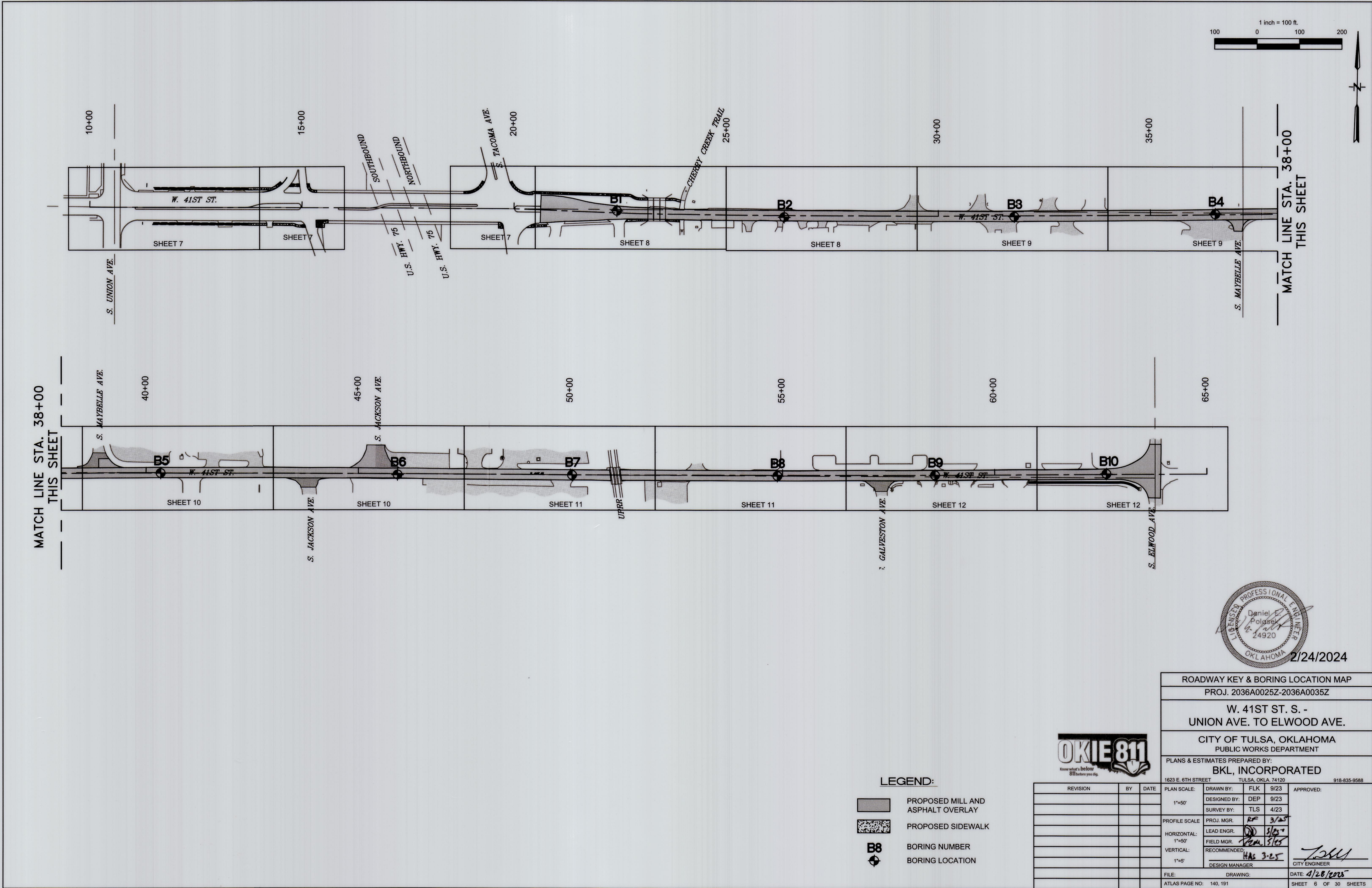
IN ADDITION:

"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, SEPTEMBER 13, 2017.

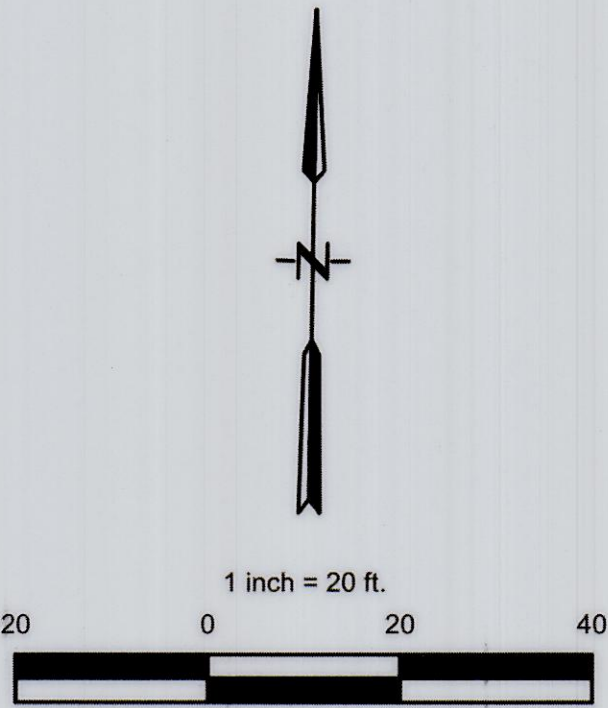
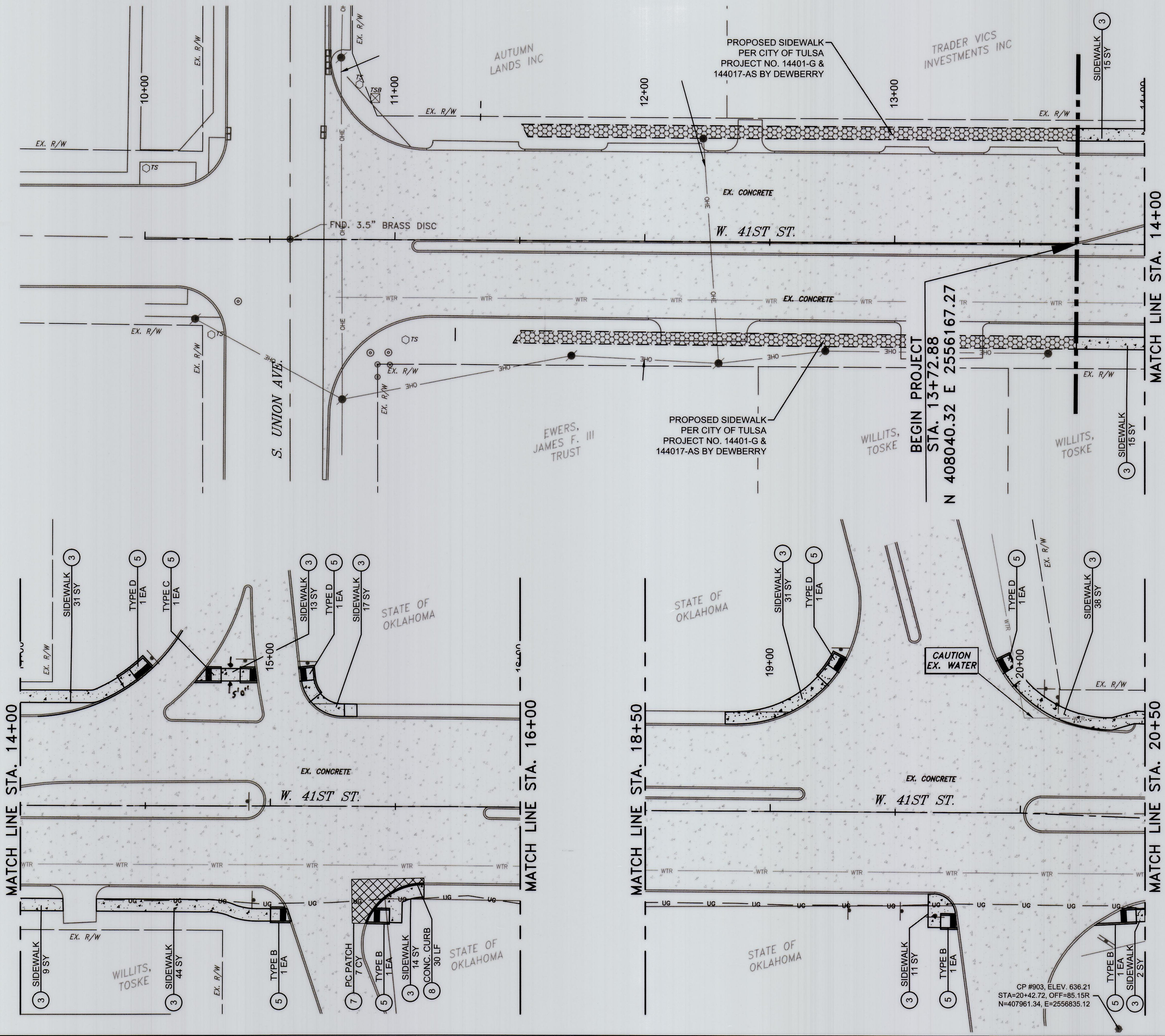


STORMWATER MANAGEMENT PLAN									
PROJ. 2036A0025Z-2036A0035Z									
41ST ST. S. - UNION AVE. TO ELWOOD AVE.									
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT									
PLANS & ESTIMATES PREPARED BY: BKL, INCORPORATED									
1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588									
PLAN SCALE:		DRAWN BY:		FLK	9/23	APPROVED:			
		DESIGNED BY:		DEP	9/23				
		SURVEY BY:		TLS	4/23				
PROFILE SCALE:		PROJ. MGR.		RF	3/25				
HORIZONTAL:		LEAD ENGR.		D	5/25				
		FIELD MGR.		RF	5/25				
VERTICAL:		RECOMMENDED:		HKS 3-25		CITY ENGINEER			
		DESIGN MANAGER							
FILE:		DRAWING:				DATE: 4/28/2025			
ATLAS PAGE NO:		140, 191				SHEET 5 OF 30 SHEETS			

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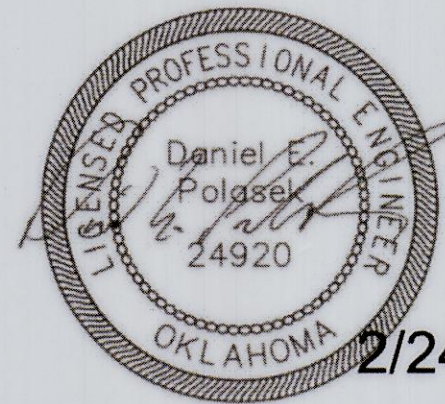


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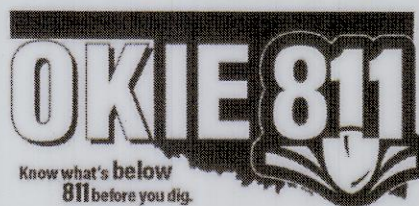


CONTROL POINTS				
PNT. No.	Northing	Easting	Elevation	Description
903	407961.34	2556835.12	636.21	SETCP*3REBAR TLS RPC

- LEGEND:**
- PROPOSED MILL AND ASPHALT OVERLAY
 - PROPOSED AC-PATCH
 - PROPOSED SIDEWALK
 - PROPOSED PC PATCH
 - PROJECT LIMITS
 - 1 ASPHALT OVERLAY
 - 2 FULL DEPTH TYPE 1 A.C. PATCH
 - 3 CONCRETE SIDEWALK
 - 4 ADJUST TO GRADE
 - 5 SIDEWALK RAMP
 - 6 PROPOSED AREA INLET
 - 7 FULL DEPTH P.C. PATCH
 - 8 CONCRETE CURB



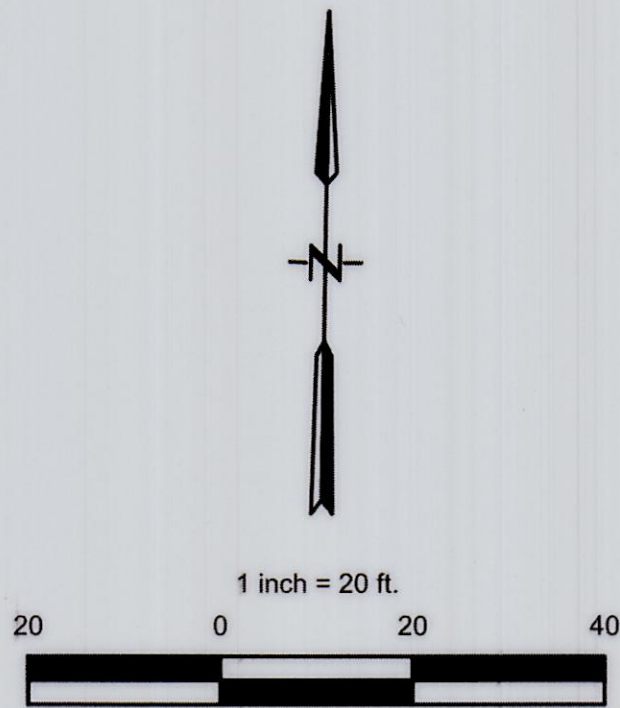
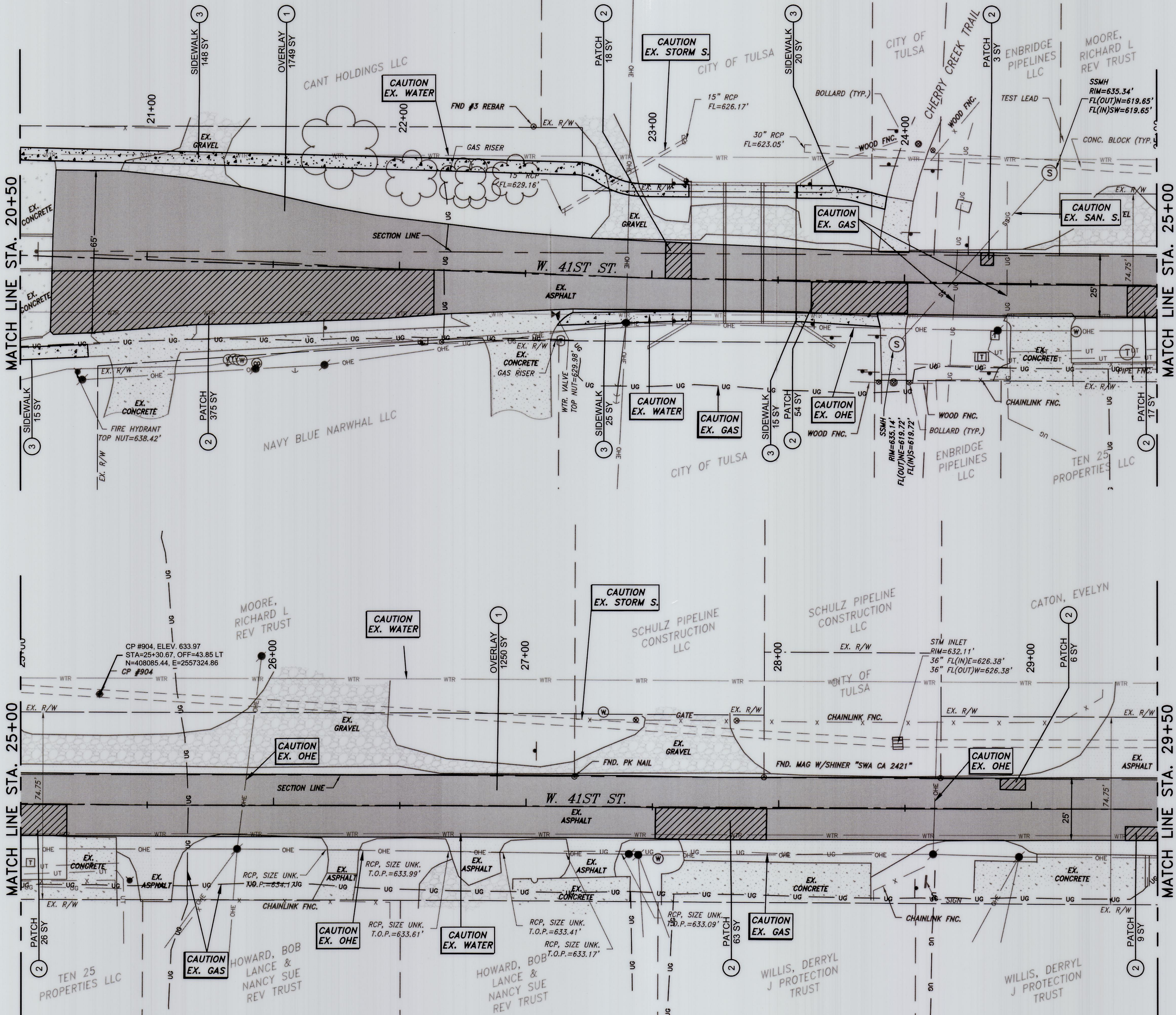
2/24/2024



REVISION			BY	DATE	PLAN SCALE:			1"=50'	PROFILE SCALE:			1"=50'	HORIZONTAL:			1"=50'	VERTICAL:			1"=5'
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					FILE:				DRAWING:				DATE:	4/26/2025			CITY ENGINEER			
					ATLAS PAGE NO:	140, 191														

E 41st STREET PLAN (1 OF 6)		
PROJ. 2036A0025Z-2036A0035Z		
W. 41ST ST. S. - UNION AVE. TO ELWOOD AVE.		
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT		
PLANS & ESTIMATES PREPARED BY:		
BKL, INCORPORATED		
1623 E. 6TH STREET	TULSA, OKLA. 74120	918-835-9588

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CONTROL POINTS				
PNT. No.	Northing	Easting	Elevation	Description
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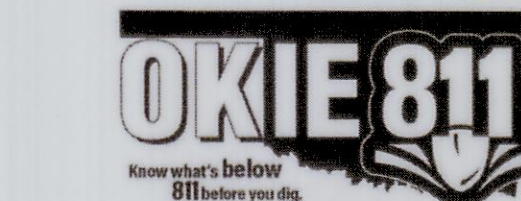
LEGEND:

- PROPOSED MILL AND ASPHALT OVERLAY
- PROPOSED AC-PATCH
- PROPOSED SIDEWALK
- PROPOSED PC PATCH
- PROJECT LIMITS

- 1 ASPHALT OVERLAY
- 2 FULL DEPTH TYPE 1 A.C. PATCH
- 3 CONCRETE SIDEWALK
- 4 ADJUST TO GRADE
- 5 SIDEWALK RAMP
- 6 PROPOSED AREA INLET
- 7 FULL DEPTH P.C. PATCH
- 8 CONCRETE CURB

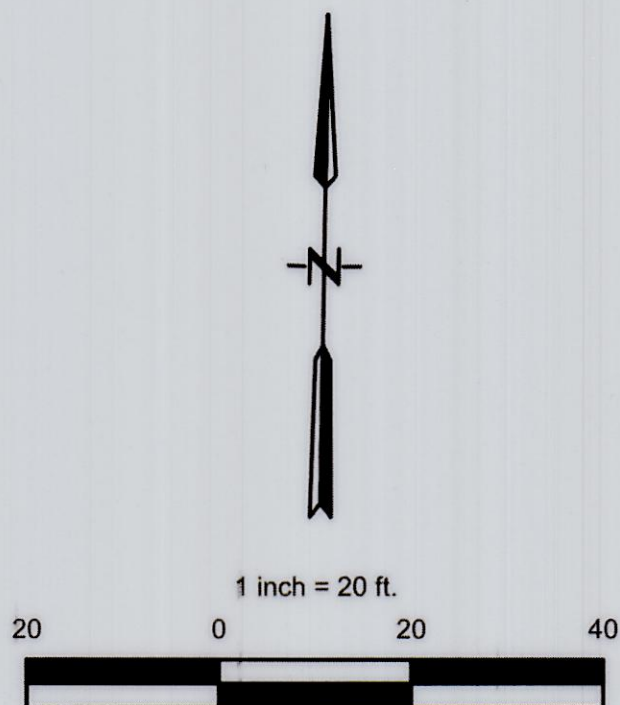
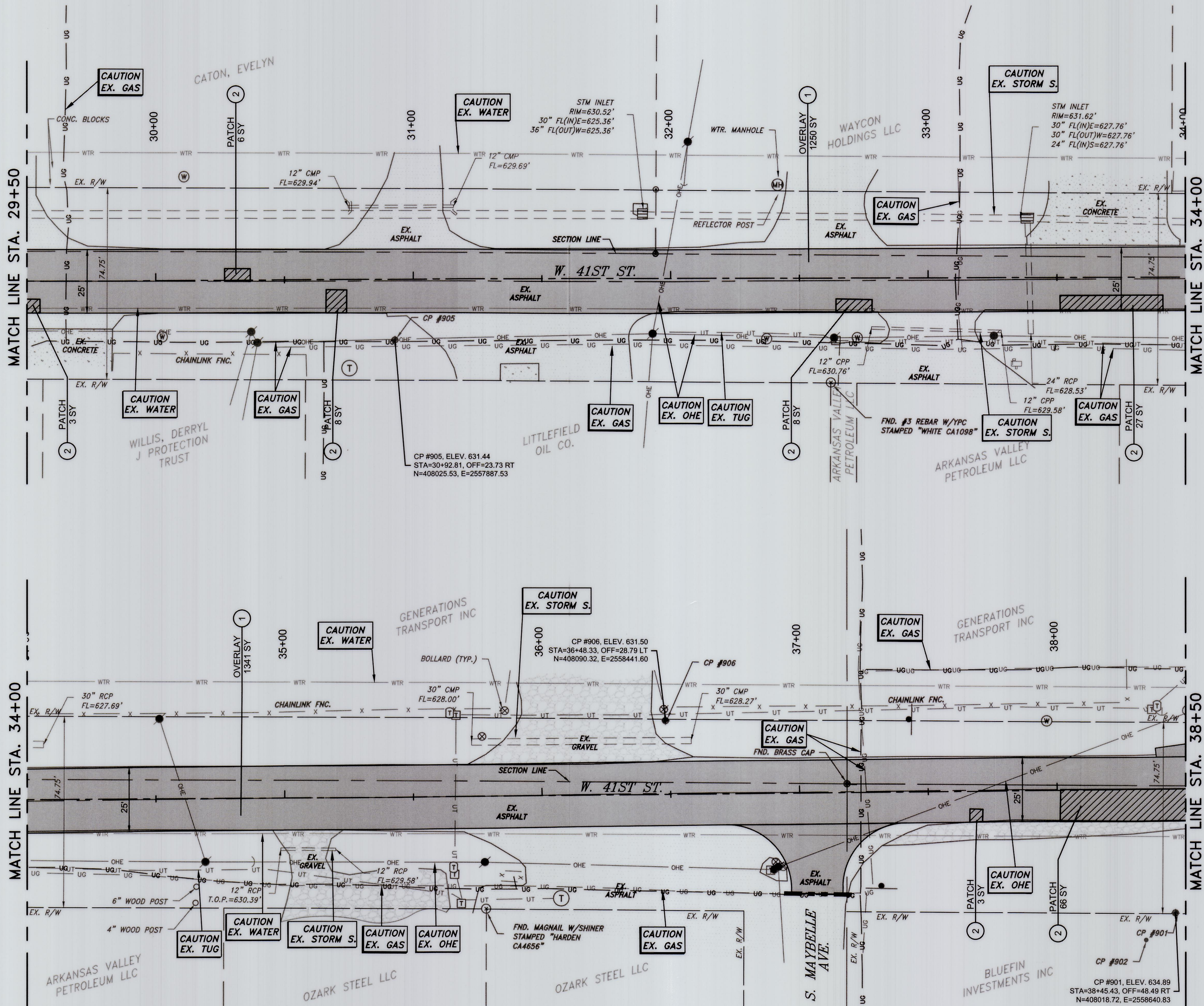


2/24/2024



E 41st STREET PLAN (2 OF 6)		
PROJ. 2036A0025Z-2036A0035Z		
W. 41ST ST. S. - UNION AVE. TO ELWOOD AVE.		
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT		
PLANS & ESTIMATES PREPARED BY: BKL, INCORPORATED		
1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588	DATE: 9/23 DESIGNED BY: DEP SURVEY BY: TLS PROJ. MGR. RF LEAD ENGR. JLG FIELD MGR. JLG RECOMMENDED: HJS DESIGN MANAGER	APPROVED: CITY ENGINEER DATE: 4/28/2025 SHEET 8 OF 30 SHEETS
PLAN SCALE: 1"=20'	DRAWN BY: FLK	DATE: 9/23
PROFILE SCALE: 4"=1'	DATE: 9/25	
HORIZONTAL: NA	DATE: 3/25	
VERTICAL: NA	DATE: 3/25	
FILE:	DRAWING:	DATE: 4/28/2025
ATLAS PAGE NO. 140, 191		SHEET 8 OF 30 SHEETS

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CONTROL POINTS				
PNT. No.	Northing	Easting	Elevation	Description
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905	408025.53	2557887.53	631.44	SETCP*3REBAR TLS RPC
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LEGEND:

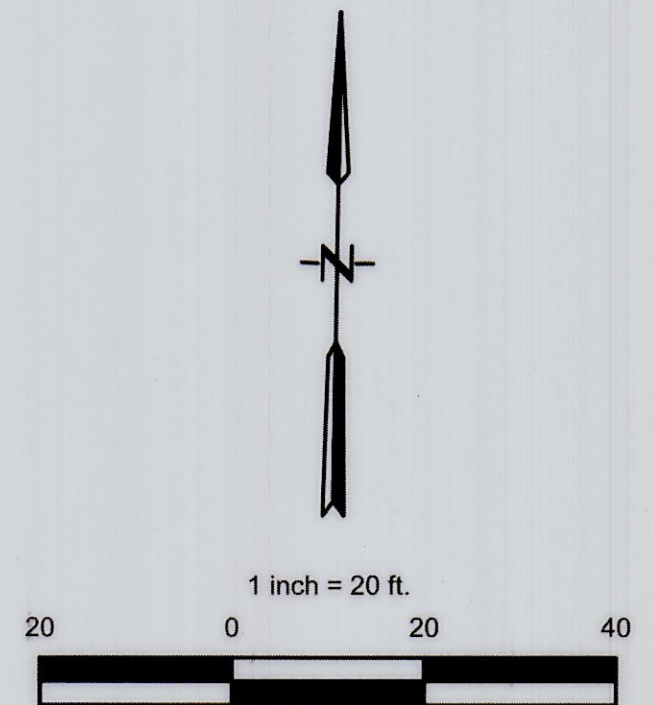
- PROPOSED MILL AND ASPHALT OVERLAY
- PROPOSED AC-PATCH
- PROPOSED SIDEWALK
- PROPOSED PC PATCH
- PROJECT LIMITS
- 1 ASPHALT OVERLAY
- 2 FULL DEPTH TYPE 1 A.C. PATCH
- 3 CONCRETE SIDEWALK
- 4 ADJUST TO GRADE
- 5 SIDEWALK RAMP
- 6 PROPOSED AREA INLET
- 7 FULL DEPTH P.C. PATCH
- 8 CONCRETE CURB



2/24/2024

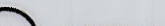


E 41st STREET PLAN (3 OF 6)		
PROJ. 2036A0025Z-2036A0035Z		
W. 41ST ST. S. - UNION AVE. TO ELWOOD AVE.		
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT		
PLANS & ESTIMATES PREPARED BY: BKL, INCORPORATED		
1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588		
PLAN SCALE: 1"=20'	DRAWN BY: FLK 9/23 DESIGNED BY: DEP 9/23 SURVEY BY: TLS 4/23	APPROVED:
PROFILE SCALE:	PROJ. MGR. [Signature] 3/5	
HORIZONTAL: NA VERTICAL: NA	LEAD ENGR. [Signature] 3/5 FIELD MGR. [Signature] 3/5 RECOMMENDED: [Signature] 3/5 DESIGN MANAGER	CITY ENGINEER [Signature]
FILE:	DRAWING:	DATE: 1/28/2025
ATLAS PAGE NO. 140, 191		SHEET 9 OF 30 SHEETS

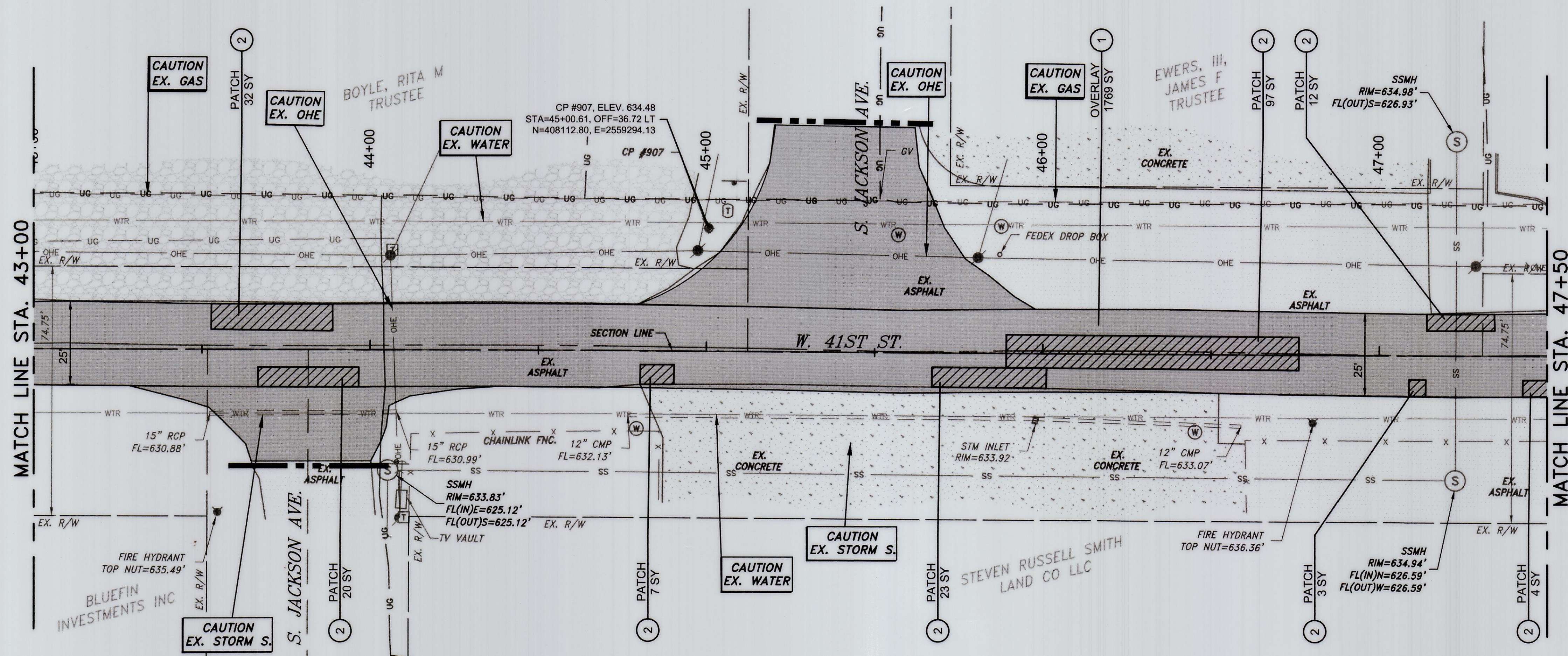
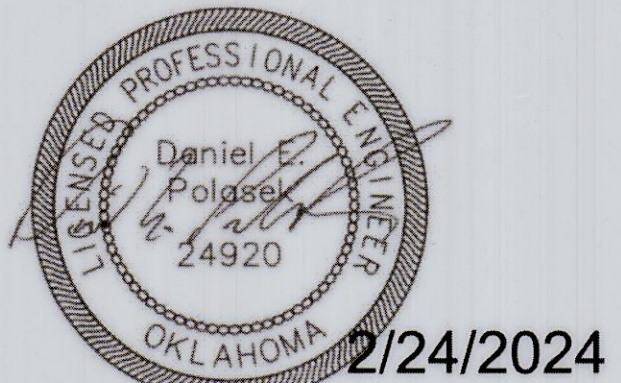


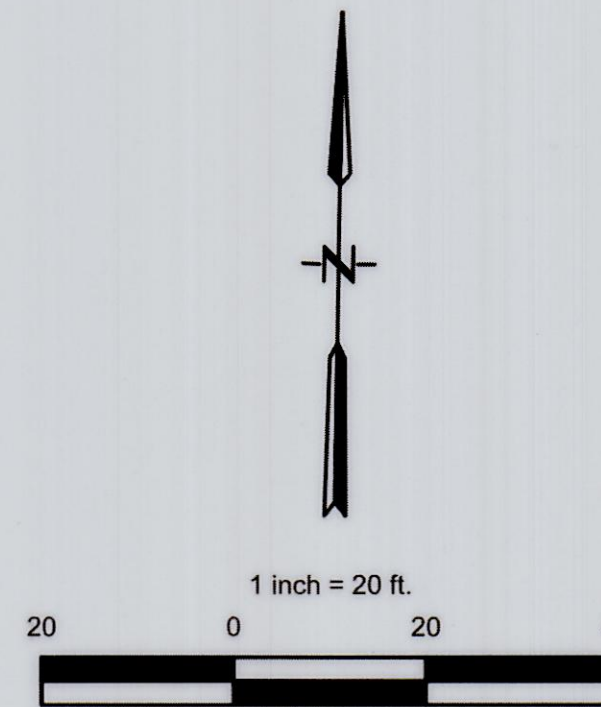
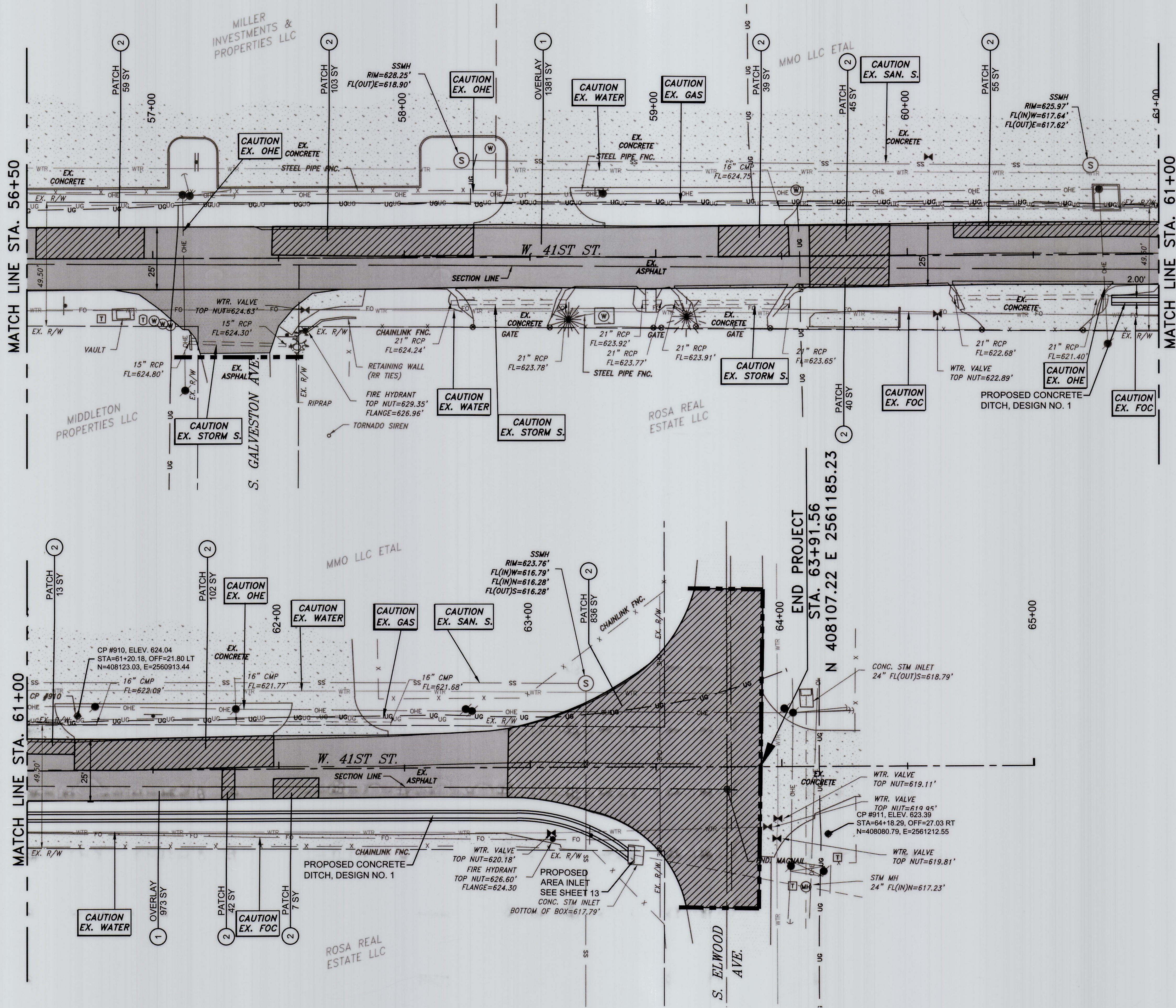
CONTROL POINTS				
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- LEGEND:**

	PROPOSED MILL AND ASPHALT OVERLAY
	PROPOSED AC-PATCH
	PROPOSED SIDEWALK
	PROPOSED PC PATCH
	
PROJECT LIMITS	

	ASPHALT OVERLAY
	FULL DEPTH TYPE 1 A.C. PATCH
	CONCRETE SIDEWALK
	ADJUST TO GRADE
	SIDEWALK RAMP
	PROPOSED AREA INLET
	FULL DEPTH P.C. PATCH
	CONCRETE CURB

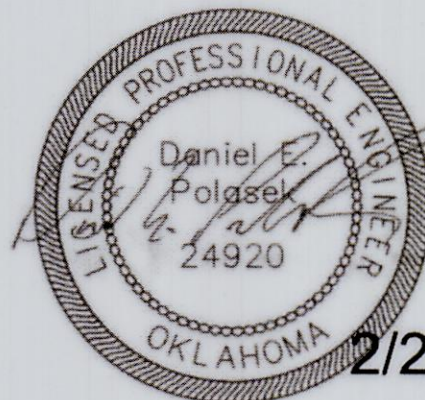
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CONTROL POINTS				
PNT. No.	Northing	Easting	Elevation	Description
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911	408080.79	2561212.55	623.39	SETCP*3REBAR TLS RPC

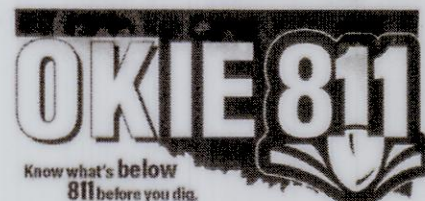
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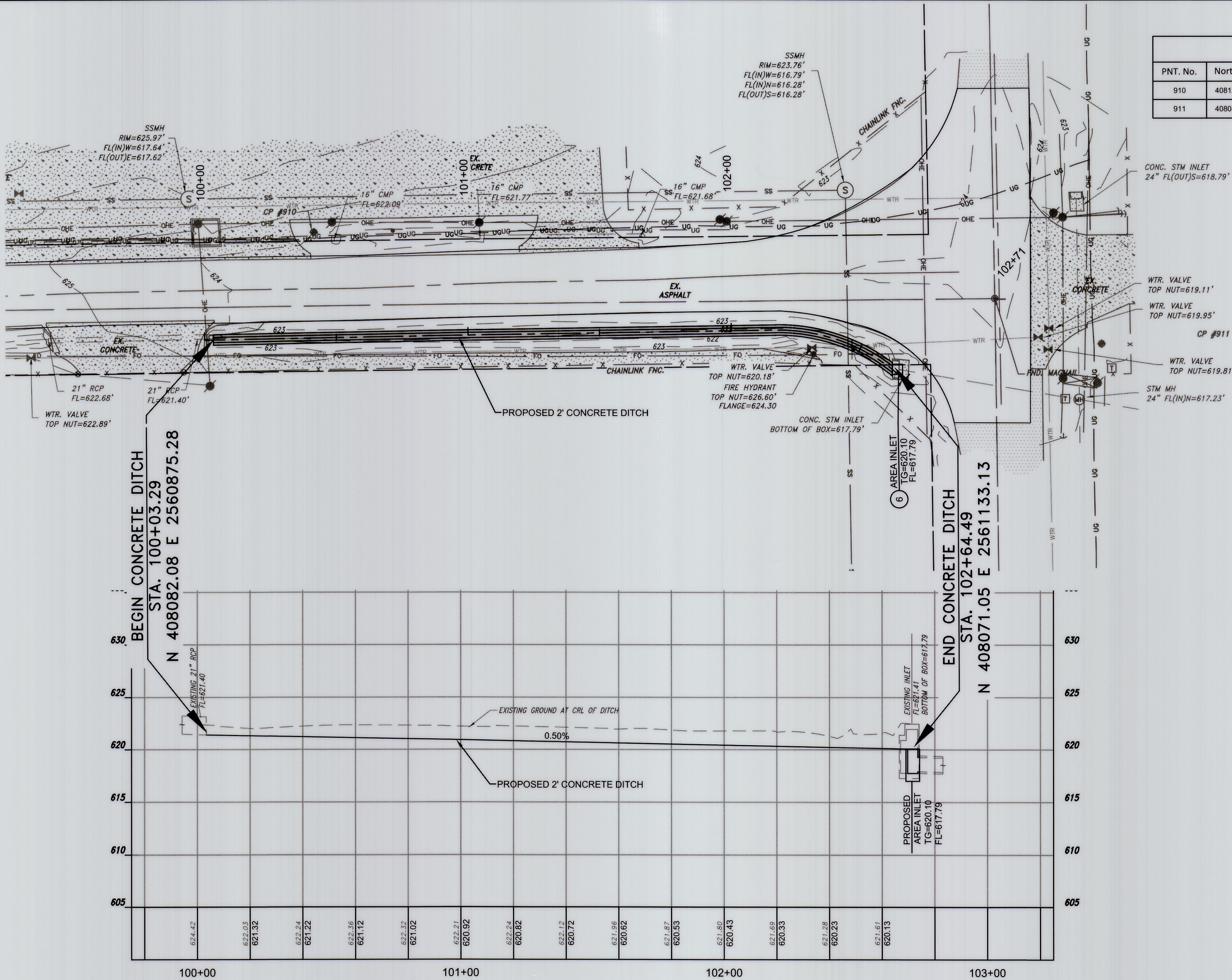
- PROPOSED MILL AND ASPHALT OVERLAY
- PROPOSED AC-PATCH
- PROPOSED SIDEWALK
- PROPOSED PC PATCH
- PROJECT LIMITS
- 1 ASPHALT OVERLAY
- 2 FULL DEPTH TYPE 1 A.C. PATCH
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- 4 ADJUST TO GRADE
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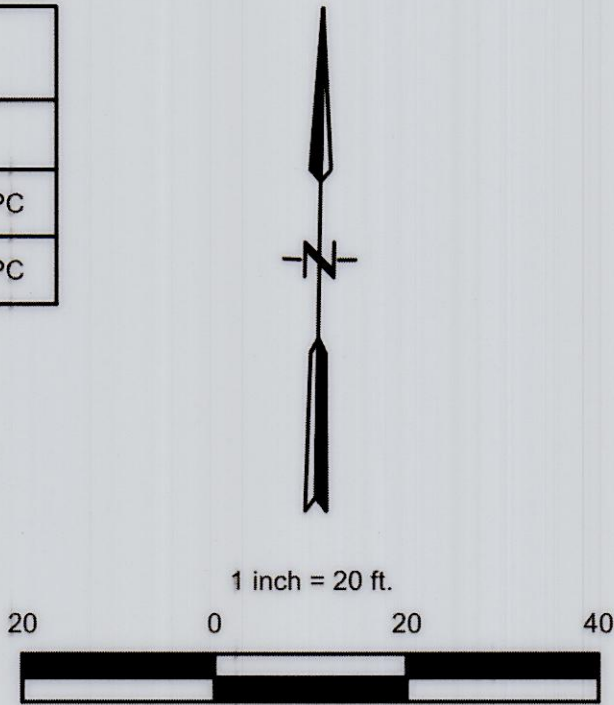
2/24/2024

E 41st STREET PLAN (6 OF 6)				
PROJ. 2036A0025Z-2036A0035Z				
W. 41ST ST. S. - UNION AVE. TO ELWOOD AVE.				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
PLANS & ESTIMATES PREPARED BY: BKL, INCORPORATED				
1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588				
PLAN SCALE: 1"=20'	DRAWN BY: DESIGNED BY: SURVEY BY:	FLK DEP TLS	9/23 9/23 4/23	APPROVED: <

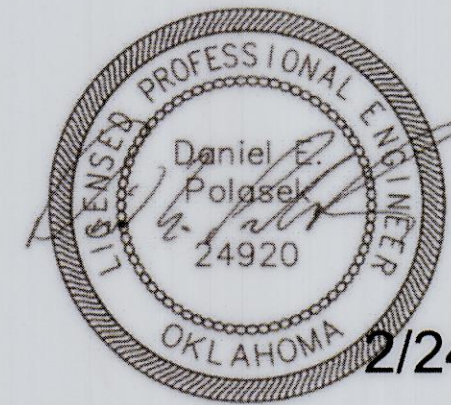




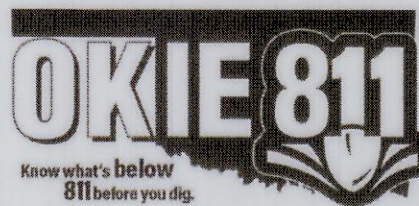
CONTROL POINTS				
PNT. No.	Northing	Easting	Elevation	Description
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911	408080.79	2561212.55	623.39	SETCP*3REBAR TLS RPC



- LEGEND:**
- PROPOSED CONCRETE DITCH
 - PROPOSED AC-PATCH
 - PROPOSED SIDEWALK
 - PROPOSED PC PATCH
 - PROJECT LIMITS
 - 1 ASPHALT OVERLAY
 - 2 FULL DEPTH TYPE 1 A.C. PATCH
 - 3 CONCRETE SIDEWALK
 - 4 ADJUST TO GRADE
 - 5 SIDEWALK RAMP
 - 6 PROPOSED AREA INLET
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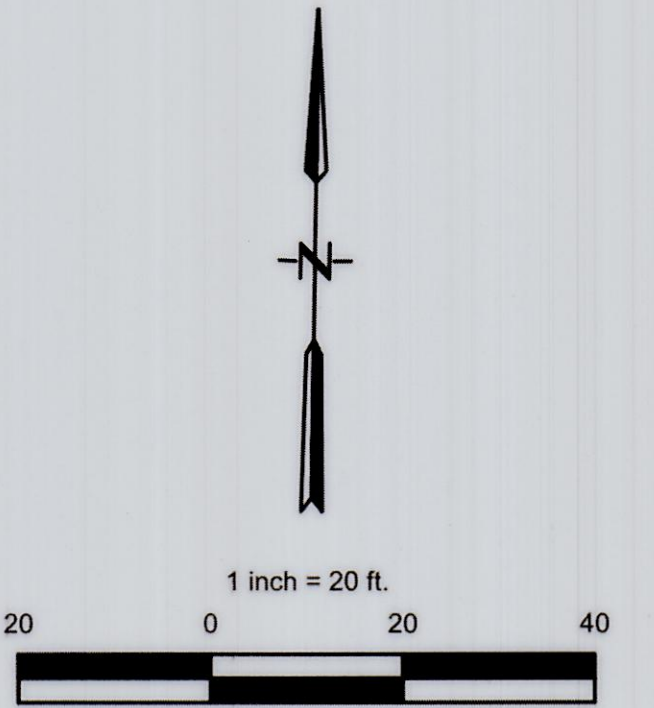
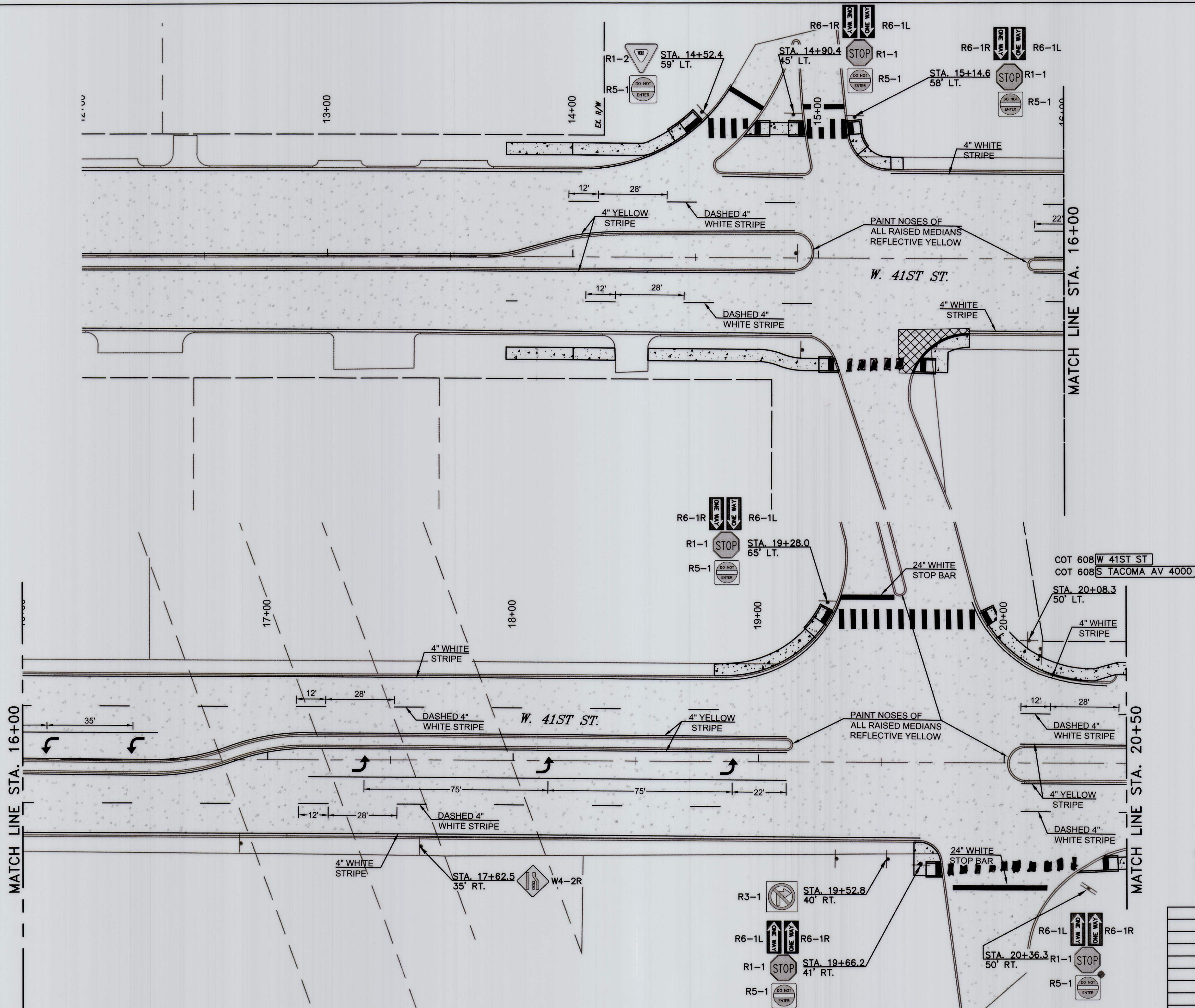


2/24/2024



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							SURVEY BY:	TLS	4/23		
						PROFILE SCALE:	PROJ. MGR.	RF	3/25		
						HORIZONTAL:	LEAD ENGR.	D	3/25		
						1"=20'	FIELD MGR.	RF	4/25	CITY ENGINEER	
						VERTICAL:	RECOMMENDED:	HAS	3-25		
						1"=5'	DESIGN MANAGER				
FILE:				DRAWING:				DATE:			4/28/2025
ATLAS PAGE NO:				140, 191				SHEET			13 OF 30 SHEETS

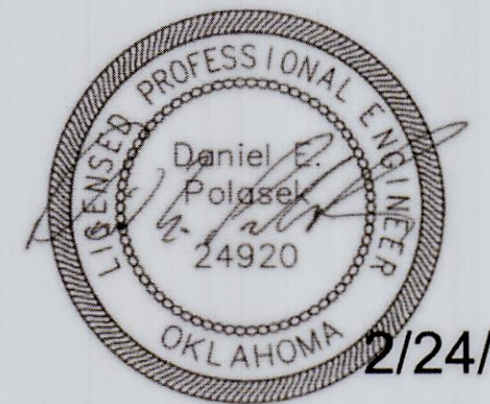
X:\Projects\817-cot-41st west-union to elwood\DWG\Sheets\817-ST01.dwg, 250224 - 8:33 AM, DEP



* CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE. ALL CROSS WALK BARS SHALL BE EVENLY SPACED.

**TRAIL CROSSWALK
DETAIL**
NTS

- NOTES: ALL SIGNS SHALL BE NEW AND UNDAMAGED
- ALL SIGNS NOT IDENTIFIED SHALL NOT BE DISTURBED.
- ALL COSTS FOR REMOVING, SALVAGING, STORING, AND RESETTING EXISTING SIGNS AND POSTS SHALL BE INCLUDED IN PRICE BID "REMOVE AND RESET SIGN".
- ALL COSTS FOR FURNISHING AND INSTALLING THERMOPLASTIC CROSSWALK IMPRINTS SHALL BE INCLUDED IN PRICE BID FOR "THERMOPLASTIC CROSSWALK IMPRINTS". CONTRACTOR SHALL MATCH PATTERN AND COLOR OF EXISTING IMPRINTS.



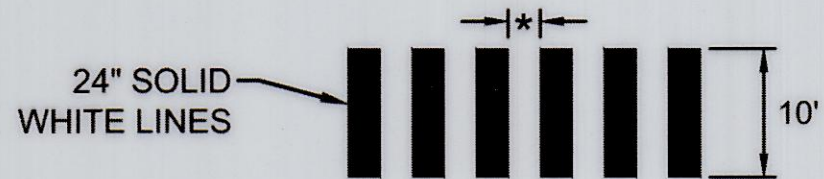
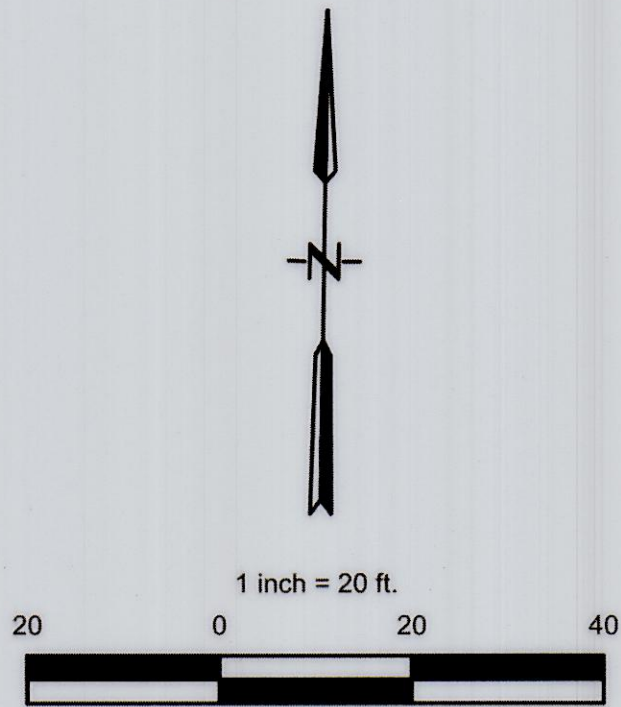
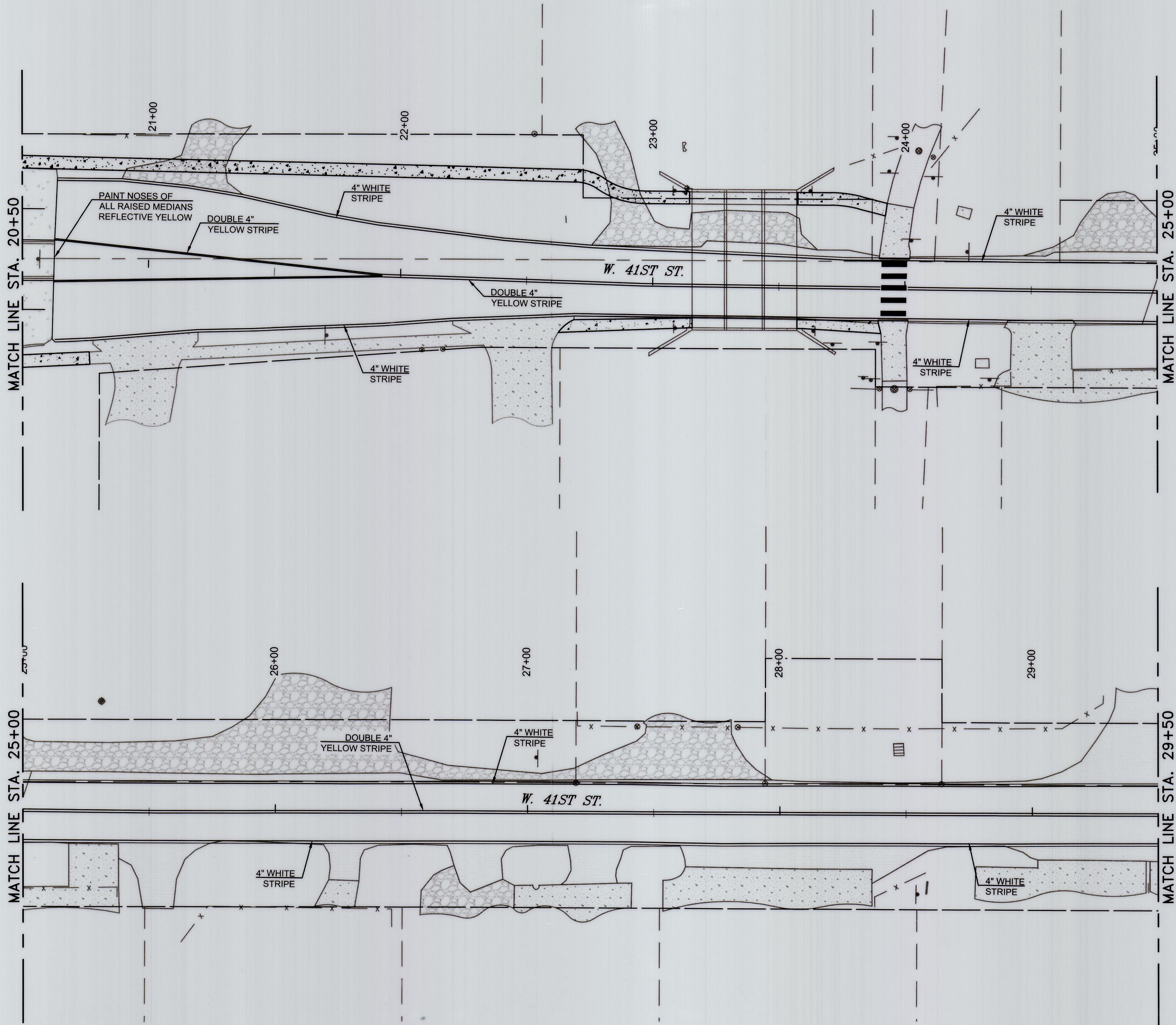
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								FILE:			SHEET 14 OF 30 SHEETS	
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								ATLAS PAGE NO:	140, 191			

SIGNING & STRIPING PLAN (1 OF 6)
PROJ. 2036A0025Z-2036A0035Z
W. 41ST ST. S. -
UNION AVE. TO ELWOOD AVE.

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
BKL, INCORPORATED
1623 E. 6TH STREET
TULSA, OKLA. 74120
918-835-9588

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* CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE. ALL CROSS WALK BARS SHALL BE EVENLY SPACED.

**TRAIL CROSSWALK
DETAIL**
NTS

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2/24/2024



REVISION		BY	DATE	PLAN SCALE:	DRAWN BY:	FLK	9/23	APPROVED: <
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SIGNING & STRIPING PLAN (2 OF 6)

PROJ. 2036A0025Z-2036A0035Z

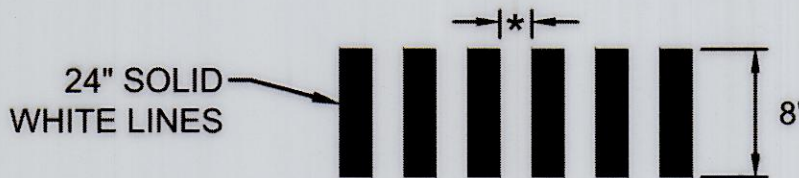
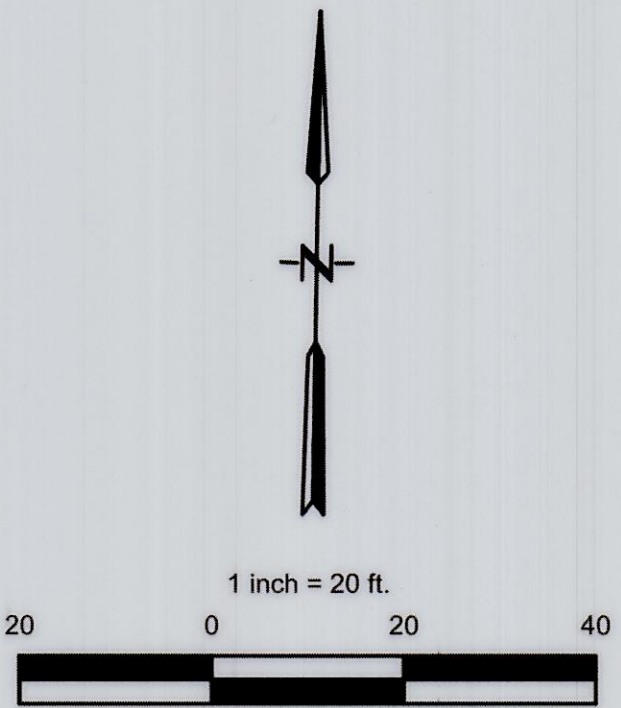
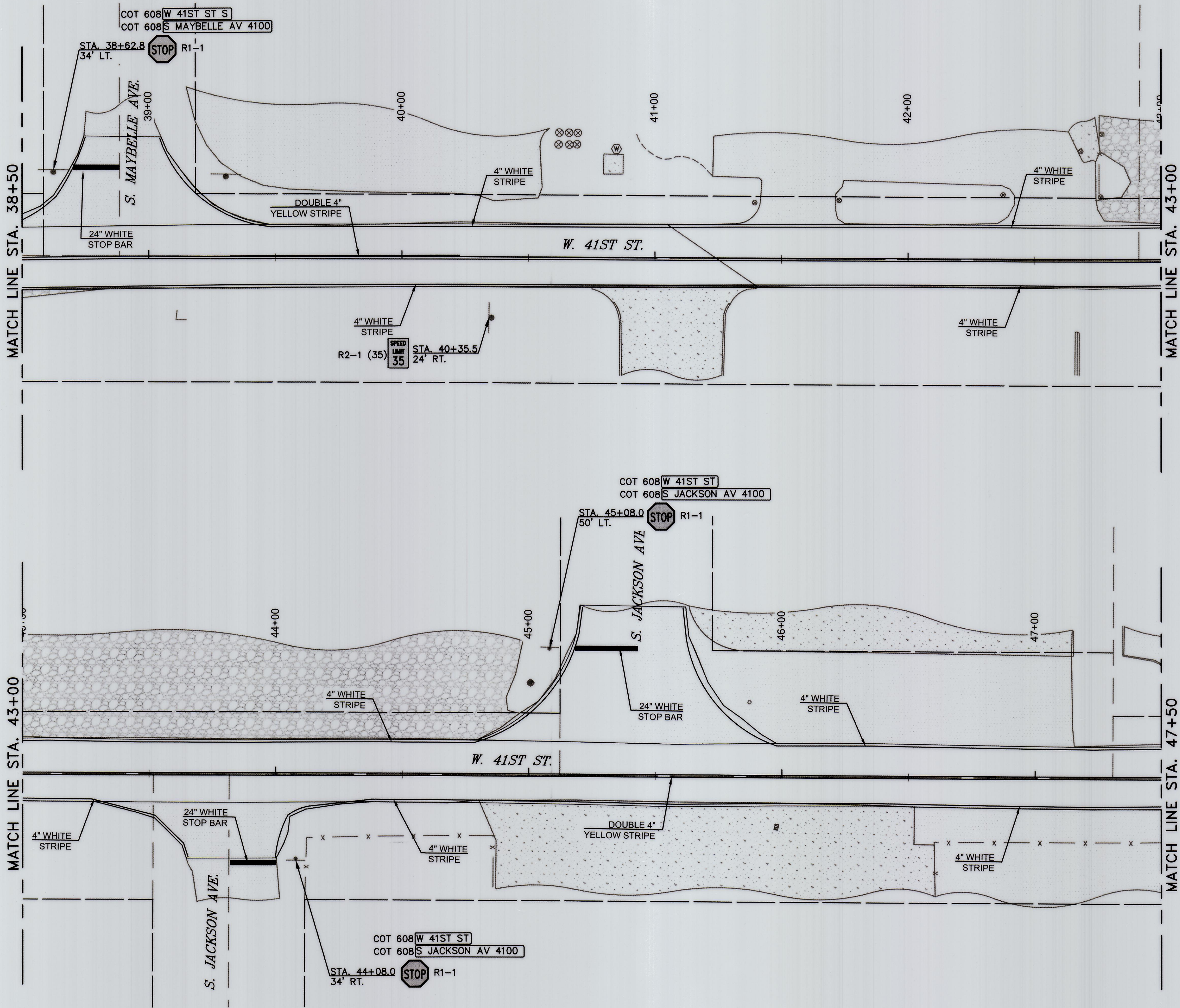
W. 41ST ST. S. -
UNION AVE. TO ELWOOD AVE.

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
BKL, INCORPORATED

1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588

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* CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE. ALL CROSS WALK BARS SHALL BE EVENLY SPACED.

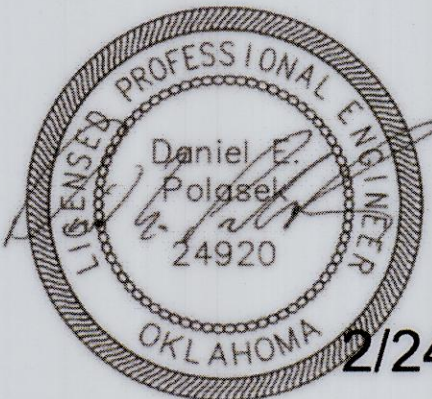
TRAIL CROSSWALK
DETAIL
NTS

NOTES: ALL SIGNS SHALL BE NEW AND UNDAMAGED

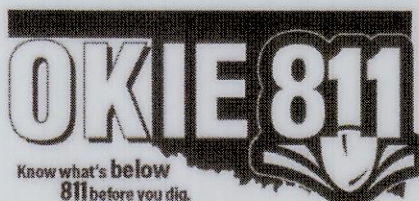
ALL SIGNS NOT IDENTIFIED SHALL NOT BE DISTURBED.

ALL COSTS FOR REMOVING, SALVAGING, STORING, AND RESETTING EXISTING SIGNS AND POSTS SHALL BE INCLUDED IN PRICE BID "REMOVE AND RESET SIGN".

ALL COSTS FOR FURNISHING AND INSTALLING THERMOPLASTIC CROSSWALK IMPRINTS SHALL BE INCLUDED IN PRICE BID FOR "THERMOPLASTIC CROSSWALK IMPRINTS". CONTRACTOR SHALL MATCH PATTERN AND COLOR OF EXISTING IMPRINTS.

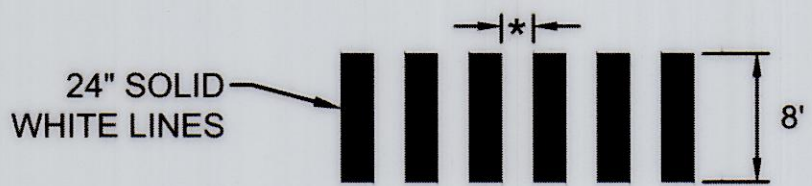
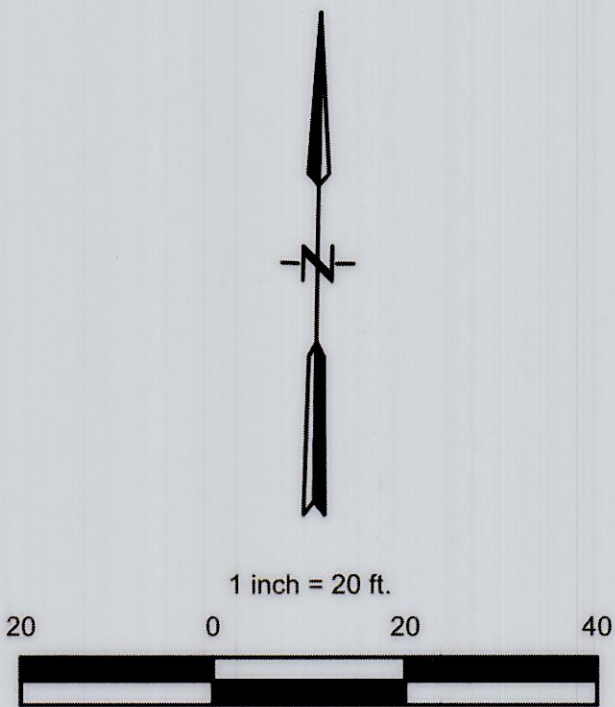
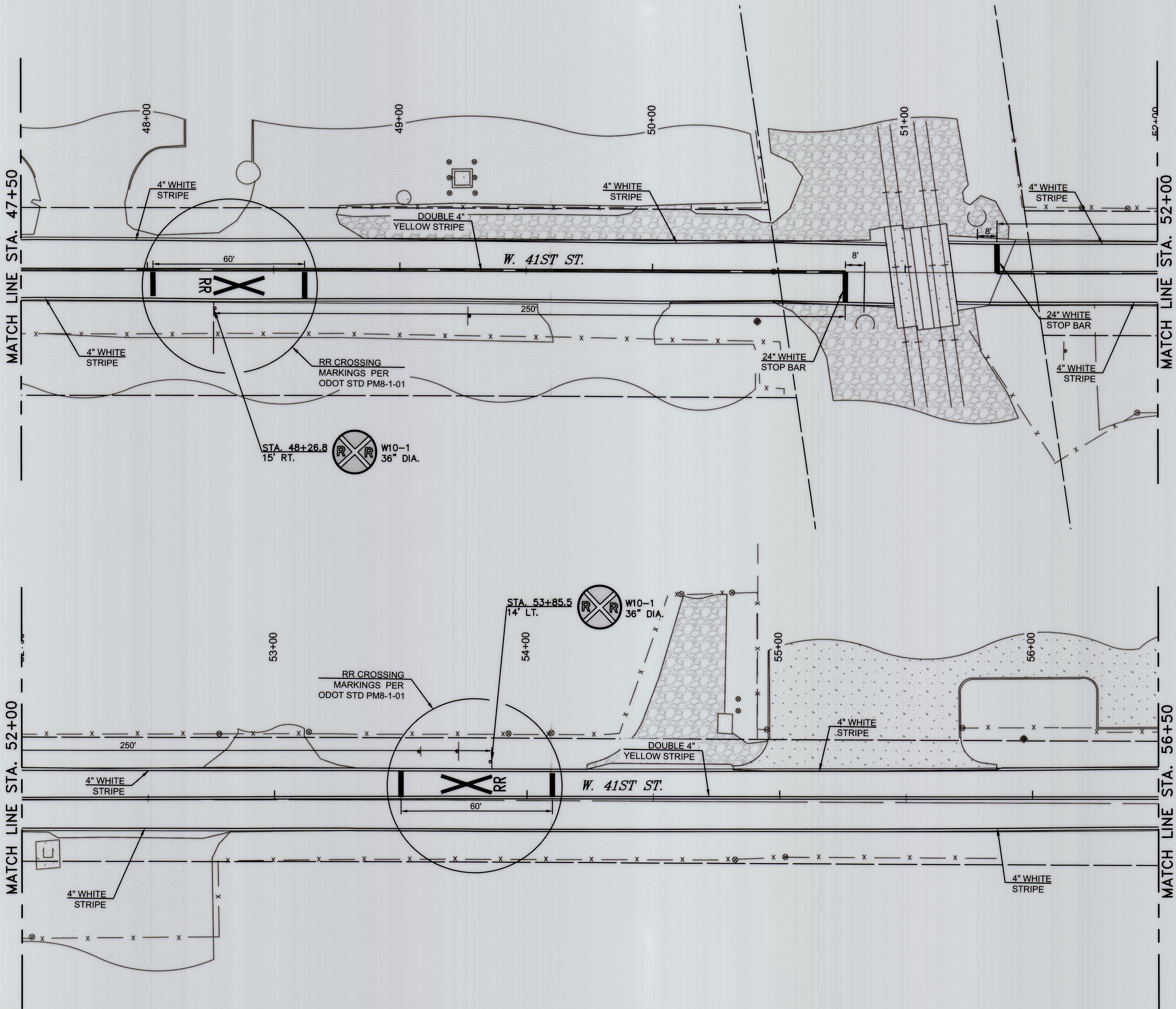


2/24/2024



SIGNING & STRIPING PLAN (4 OF 6)			PROJ. 2036A0025Z-2036A0035Z		
W. 41ST ST. S. - UNION AVE. TO ELWOOD AVE.			CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT		
PLANS & ESTIMATES PREPARED BY:			BKL, INCORPORATED		
1623 E. 8TH STREET			TULSA, OKLA. 74120		918-835-9588
PLAN SCALE:	DRAWN BY:	FLK	9/23	APPROVED:	
1"=20'	DESIGNED BY:	DEP	9/23		
	SURVEY BY:	TLS	4/23		
	PROJ. MGR.	PC	3/25		
PROFILE SCALE:	LEAD ENGR.			CITY ENGINEER	
HORIZONTAL:	FIELD MGR.	PC	5/25		
VERTICAL:	RECOMMENDED:	HA	3-25		
	DESIGN MANAGER				
FILE:	DRAWING:			DATE: 4/28/2025	
ATLAS PAGE NO:	140, 191			SHEET 17 OF 30 SHEETS	

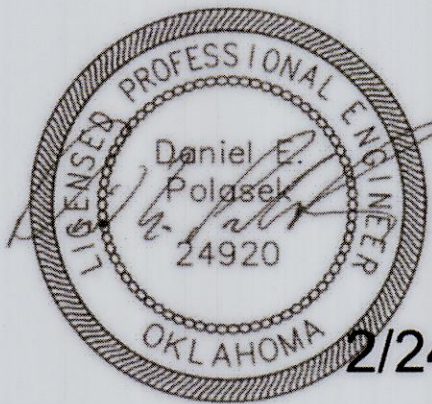
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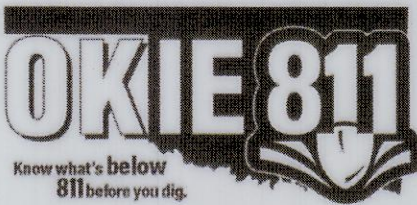
* CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE. ALL CROSS WALK BARS SHALL BE EVENLY SPACED.

TRAIL CROSSWALK
DETAIL
NTS

- NOTES: ALL SIGNS SHALL BE NEW AND UNDAMAGED
- ALL SIGNS NOT IDENTIFIED SHALL NOT BE DISTURBED.
- ALL COSTS FOR REMOVING, SALVAGING, STORING, AND RESETTING EXISTING SIGNS AND POSTS SHALL BE INCLUDED IN PRICE BID "REMOVE AND RESET SIGN".
- ALL COSTS FOR FURNISHING AND INSTALLING THERMOPLASTIC CROSSWALK IMPRINTS SHALL BE INCLUDED IN PRICE BID FOR "THERMOPLASTIC CROSSWALK IMPRINTS". CONTRACTOR SHALL MATCH PATTERN AND COLOR OF EXISTING IMPRINTS.

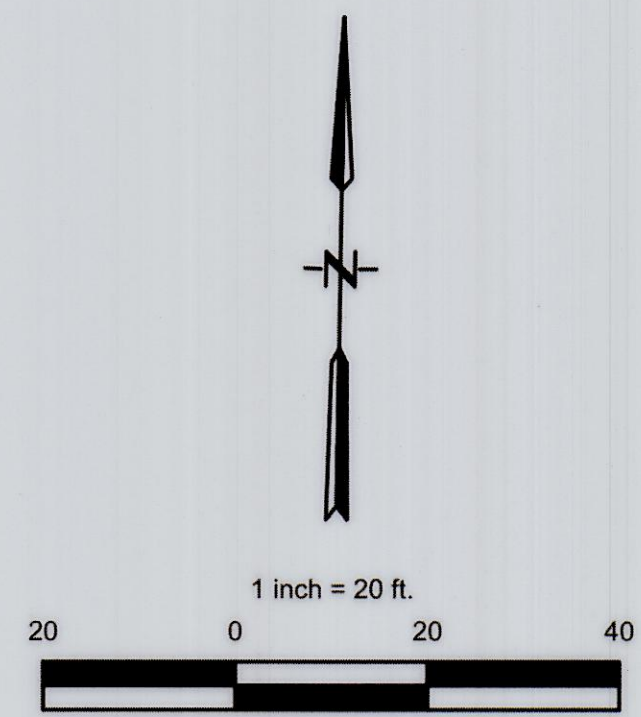
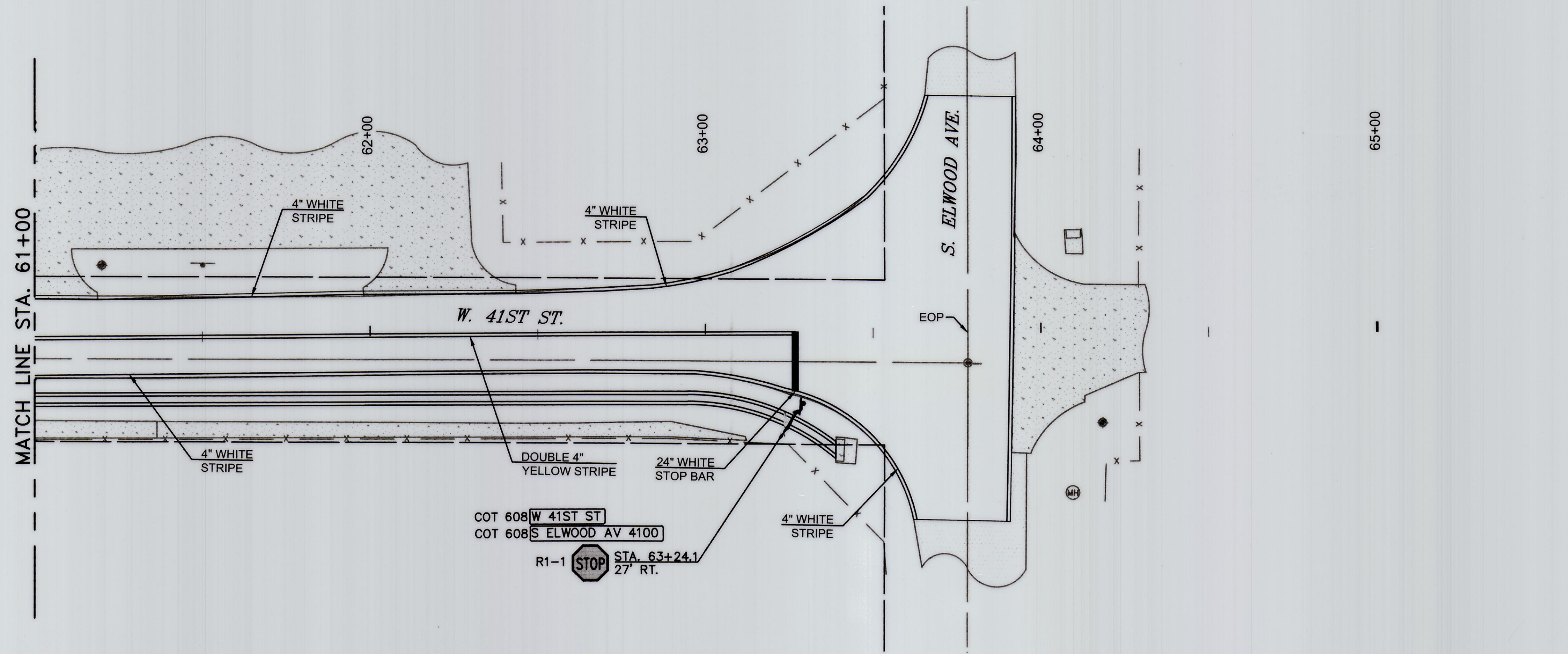
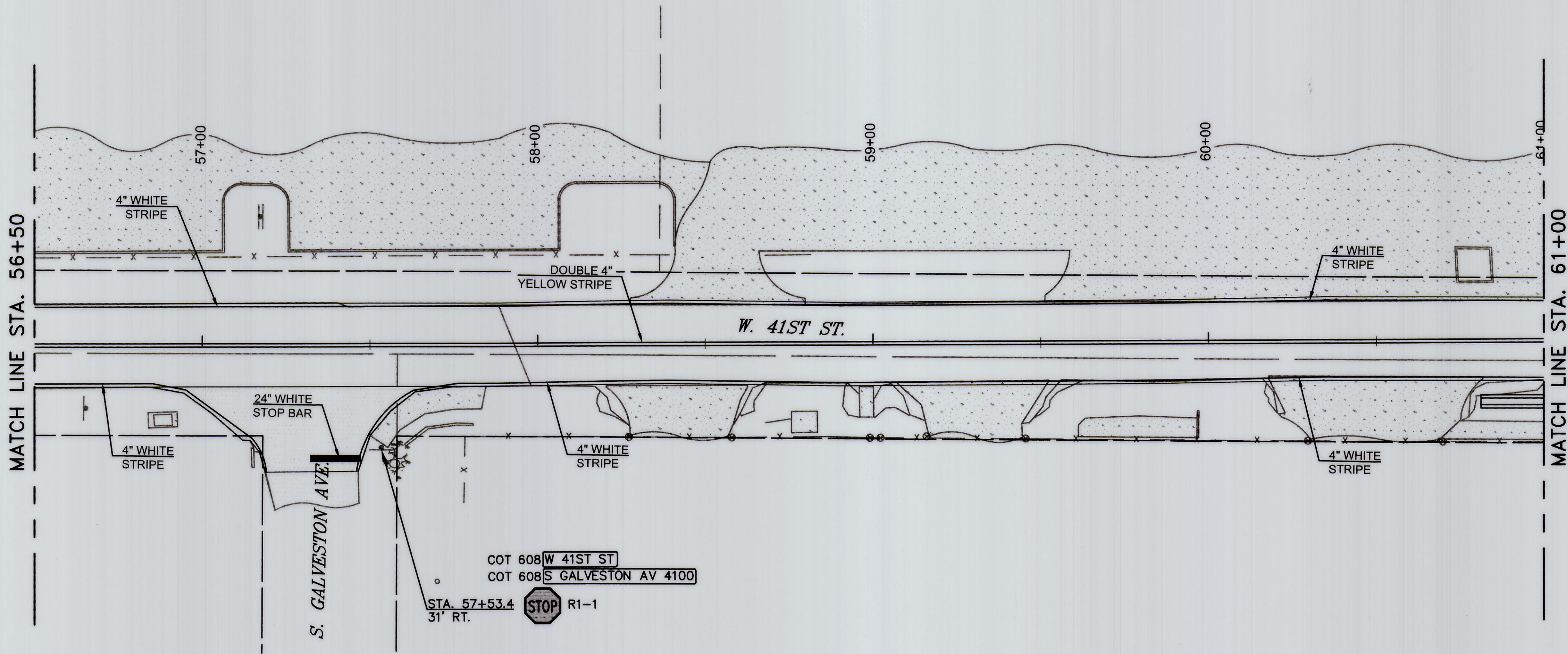


2/24/2024



SIGNING & STRIPING PLAN (5 OF 6)			PROJ. 2036A0025Z-2036A0035Z		
			W. 41ST ST. S. - UNION AVE. TO ELWOOD AVE.		
			CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT		
			PLANS & ESTIMATES PREPARED BY: BKL, INCORPORATED		
			1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588		
REVISION	BY	DATE	PLAN SCALE:	DRAWN BY:	FLK 9/23
			1"=20'	DESIGNED BY:	DEP 9/23
				SURVEY BY:	TLS 4/23
			PROFILE SCALE:	PROJ. MGR.	PC 3/05
				LEAD ENGR.	
			HORIZONTAL:	FIELD MGR.	Ken 5/25
			NA	RECOMMENDED:	MS 3-25
			VERTICAL:	DESIGN MANAGER	
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			FILE:	DRAWING:	DATE: 1/28/2025
			ATLAS PAGE NO:	140, 191	SHEET 18 OF 30 SHEETS

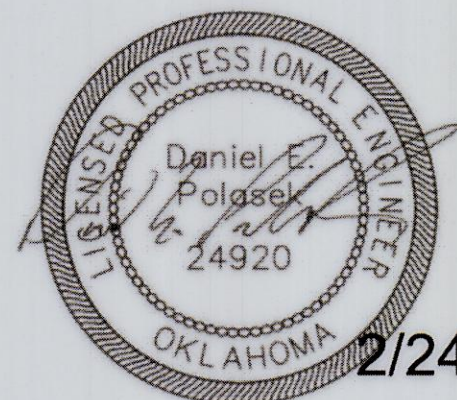
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* CROSSWALK BARS ARE TO BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE. ALL CROSS WALK BARS SHALL BE EVENLY SPACED.

**TRAIL CROSSWALK
DETAIL**
NTS

NOTES: ALL SIGNS SHALL BE NEW AND UNDAMAGED
ALL SIGNS NOT IDENTIFIED SHALL NOT BE DISTURBED.
ALL COSTS FOR REMOVING, SALVAGING, STORING, AND RESETTING EXISTING SIGNS AND POSTS SHALL BE INCLUDED IN PRICE BID "REMOVE AND RESET SIGN".
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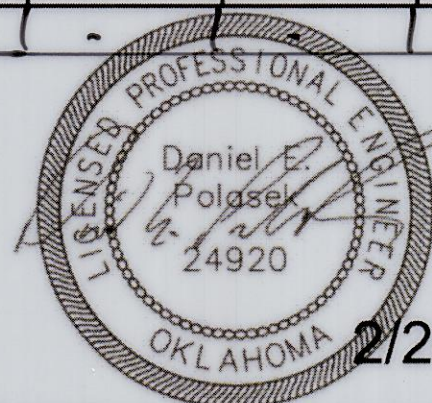
2/24/2024



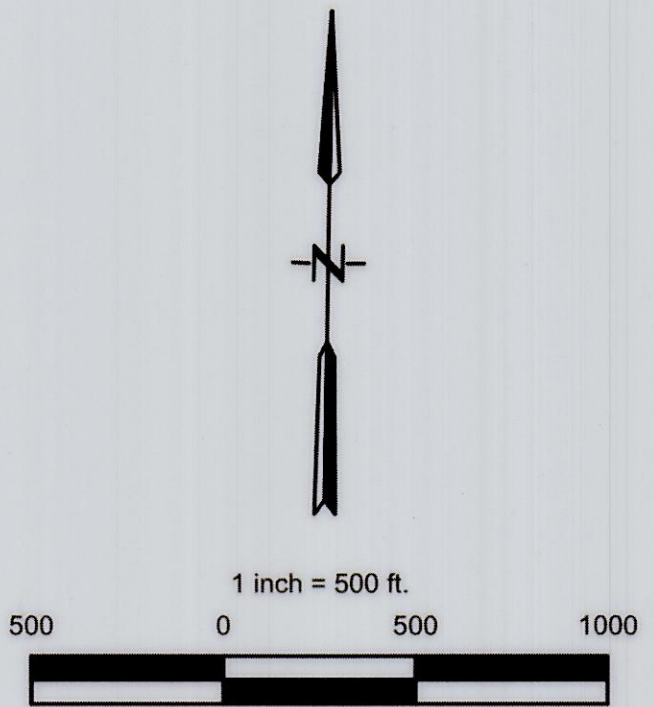
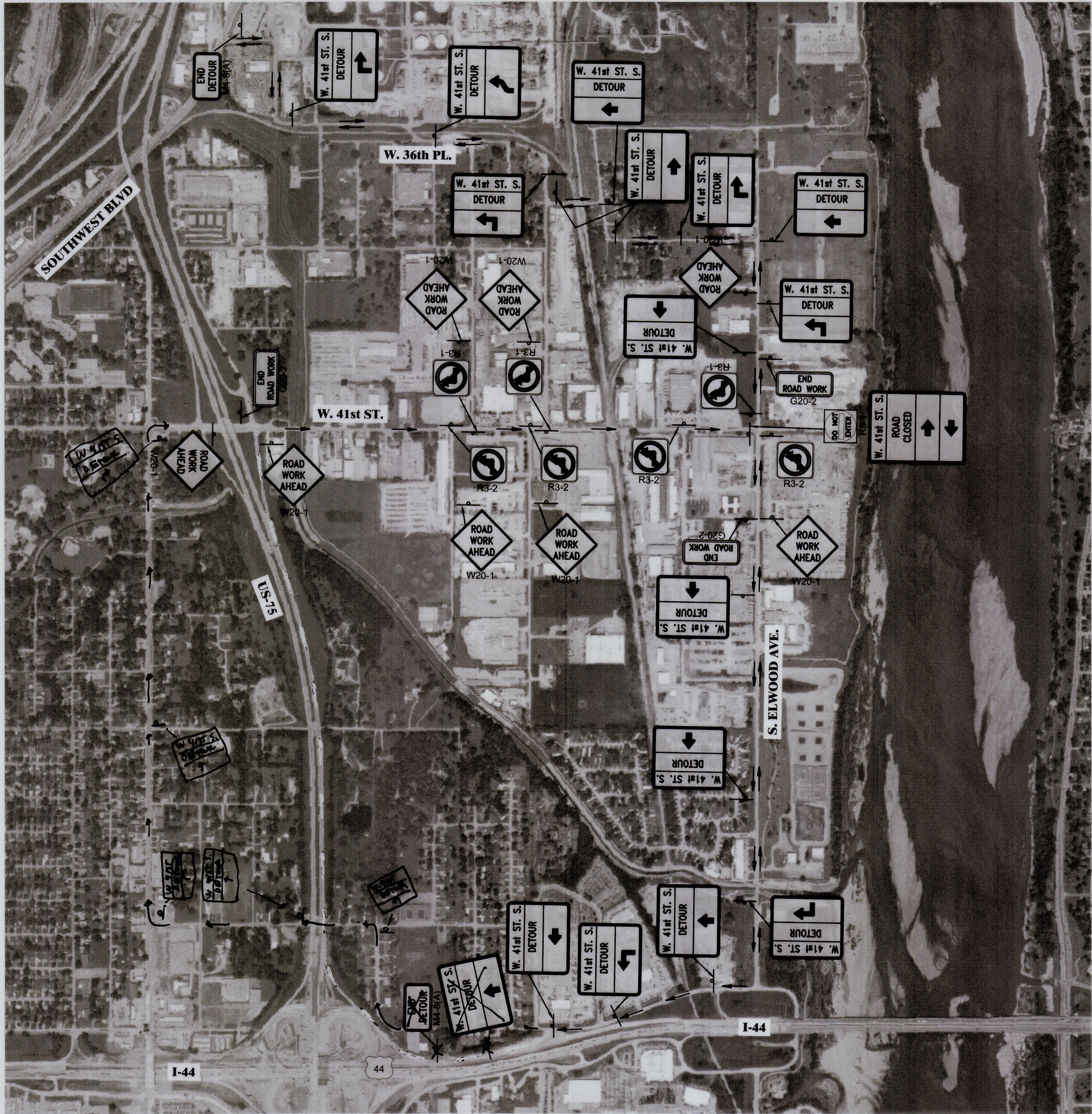
REVISION			BY	DATE	1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588				
PLAN SCALE:					DRAWN BY:	FLK	9/23	APPROVED:	
1"=20'					DESIGNED BY:	DEP	9/23		
					SURVEY BY:	TLS	4/23		
PROFILE SCALE:					PROJ. MGR.	MC	3/25		
HORIZONTAL:					LEAD ENGR.				
NA					FIELD MGR.	MC	3/25		
VERTICAL:					RECOMMENDED:				
NA					DESIGN MANAGER				
					FILE:	DRAWING:			CITY ENGINEER
					ATLAS PAGE NO: 140, 191				
					DATE: 4/28/2025				
					SHEET 19 OF 30 SHEETS				

SIGN SUMMARY - 41ST AVE. - UNION TO ELWOOD									
ACTION	STA.	OFFSET	SIGN DESCRIPTION		AREA		POST LENGTH (FT)		
					(SF)	QUANTITIES	1.5"	1.75"	2"
REPLACE	14+52.4	59' L	YIELD (R1-2)	36X36	3.90	1.00	2	9.5	3
			DO NOT ENTER (R5-1)	30X30	6.25	1.00			
REPLACE	14+90.4	45'	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
			DO NOT ENTER (R5-1)	30X30	6.25	1.00			
			ONE WAY (R6-1R)	36X12	3.00	1.00			
			ONE WAY (R6-1L)	36X12	3.00	1.00			
REPLACE	15+14.6	58' L	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
			DO NOT ENTER (R5-1)	30X30	6.25	1.00			
			ONE WAY (R6-1R)	36X12	3.00	1.00			
			ONE WAY (R6-1L)	36X12	3.00	1.00			
REPLACE	17+62.5	35' R	RIGHT LANE ENDS (W4-2R)	36X36	9.00	1.00		9.5	3
REPLACE	19+28.00	65' L	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
			DO NOT ENTER (R5-1)	30X30	6.25	1.00			
			ONE WAY (R6-1R)	36X12	3.00	1.00			
			ONE WAY (R6-1L)	36X12	3.00	1.00			
REPLACE	19+52.8	40' R	NO RIGHT TURN (R3-1)	24X24	4.00	1.00		9.5	3
REPLACE	19+66.2	41' R	STOP (R1-1)	30X30	5.18	1.00		9.5	3
			DO NOT ENTER (R5-1)	30X30	6.25	1.00			
			ONE WAY (R6-1R)	36X12	3.00	1.00			
			ONE WAY (R6-1L)	36X12	3.00	1.00			
REPLACE	20+08.3	50' L	W 41ST ST (2 EACH)	30X6	3.76	2.00	2	9.5	3
			S TACOMA AV 4000 (2 EACH)	30X6	3.76	2.00			
REPLACE	20+36.3	50' R	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
			DO NOT ENTER (R5-1)	30X30	6.25	1.00			
			ONE WAY (R6-1R)	36X12	3.00	1.00			
			ONE WAY (R6-1L)	36X12	3.00	1.00			
REPLACE	37+31.4	37' R	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
	DEAD END (W14-1)		30X30	6.25	1.00				
	W 41ST ST (2 EACH)		30X6	3.76	2.00				
	S MAYBELLE AV 4100 (2 EACH)		30X6	3.76	2.00				
		28' L	SPEED LIMIT 35 (R2-1E(35))	24X30	5.00	1.00		12	3
REPLACE	38+62.8	34' L	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
			W 41ST ST (2 EACH)	30X6	3.76	2.00			
			S MAYBELLE AV 4100 (2 EACH)	30X6	3.76	2.00			
REPLACE	40+35.5	24' R	SPEED LIMIT 35 (R2-1E(35))	24X30	5.00	1.00		12	3
REPLACE	44+08.0	34' R	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
			W 41ST ST (2 EACH)	30X6	3.76	2.00			
			S JACKSON AV 4100 (2 EACH)	30X6	3.76	2.00			
REPLACE	45+08.0	50' L	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
	W 41ST ST (2 EACH)	30X6	3.76	2.00					
	S JACKSON AV 4000 (2 EACH)	30X6	3.76	2.00					
REPLACE	48+26.8	15' R	RAILROAD CROSSING (W10-1)	36" DIA.	7.07	1.00		9.5	3
REPLACE	53+85.5	14' L	RAILROAD CROSSING (W10-1)	36" DIA.	7.07	1.00		9.5	3
REPLACE	57+53.4	31' R	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
			W 41ST ST (2 EACH)	30X6	3.76	2.00			
			S GALVESTON AV 4100 (2 EACH)	30X6	3.76	2.00			
REPLACE	63+24.1	27' R	STOP (R1-1)	30X30	5.18	1.00	2	9.5	3
			W 41ST ST (2 EACH)	30X6	3.76	2.00			
			S ELWOOD 4100 (2 EACH)	30X6	3.76	2.00			
TOTAL =					224.41		24.00	185.50	57.00

SUMMARY OF ROADWAY QUANTITIES										
					(W. 41ST STREET S.) P&P SHEETS					
ITEM	SPEC. NO.	DESCRIPTION	UNIT	QTY	SHT 7	SHT 8	SHT 9	SHT 10	SHT 11	SHT 12
1	202(A)	UNCLASSIFIED EXCAVATION	CY	183	0	183				
2	205(A)	TYPE A SALVAGED TOPSOIL	CY	65	-	-	-	-	-	-
3	220	SWPPP DOCUMENTATION	LSUM	1	-	-	-	-	-	-
4	230(A)	SOLID SLAB SODDING	SY	840	-	-	-	-	-	-
5	303(A)	AGGREGATE BASE (TYPE A)	CY	964	9	183	41	205	84	442
6	310(B)	SUBGRADE METHOD B	SY	2893	27	549	123	615	252	1327
7	325	SEPARATOR FABRIC	SY	3617	34	686	154	769	315	1659
8	COT 334	CONSTRUCTION AS-BUILT	LSUM	1	-	-	-	-	-	-
9	COT 335	CONTRACTOR'S QUALITY CONTROL	LSUM	1	-	-	-	-	-	-
10	409	FABRIC REINFORCEMENT	SY	13388	0	2999	2591	3238	2206	2354
11	411(C)	SUPERPAVE, TYPE S4 (PG 70-28)	TON	1500	0	336	290	363	247	264
12	411(D)	SUPERPAVE, TYPE S6 (PG 70-28)	TON	376	0	84	73	91	62	66
13	412	COLD MILL PAVEMENT	SY	13388	0	2999	2591	3238	2206	2354
14	502(A)	ENGINEERED FALSEWORK	LSUM	1	-	-	-	-	-	-
15	509(D)	CLASS C CONCRETE	CY	19	0	0	0	0	0	19
16	COT 608	GROUND SIGN	SF	224	-	-	-	-	-	-
17	COT 608	1-1/2" SIGN POST	LF	24	-	-	-	-	-	-
18	COT 608	1-3/4" SIGN POST	LF	186	-	-	-	-	-	-
19	COT 608	2" SIGN POST	LF	57	-	-	-	-	-	-
20	COT 609(A)	CONCRETE CURB (INTEGRAL)	LF	30	30	-	-	-	-	-
21	610(A)	4" CONCRETE SIDEWALK	SY	313	145	168	0	0	0	0
22	610(I)	TACTILE WARNING DEVICE-NEW	SF	60	60	-	-	-	-	-
23	611(G)	INLET CDI RCP DES. 1	EA	1	-	-	-	-	-	1
24	641	MOBILIZATION	EA	1	-	-	-	-	-	-
25	642(A)	CONSTRUCTION STAKING LEVEL II	EA	1	-	-	-	-	-	-
26	855(A)	TRAFFIC STRIPE [(4")(PLASTIC)/(MULTI-POLYMER)]	LF	20793	3338	3838	3616	3616	3431	2954
27	855(A)	TRAFFIC STRIPE [(12")(PLASTIC)/(MULTI-POLYMER)]	LF	84	0	0	0	0	84	0
28	855(A)	TRAFFIC STRIPE [(24")(PLASTIC)/(MULTI-POLYMER)]	LF	615	321	50	14	67	63	40
29	855(A)	TRAFFIC STRIPE [(PLASTIC)/(MULTIPOLYMER)] [(ARROWS)]	EA	5	5	-	-	-	-	-
30	880(B)	CONSTRUCTION SIGNS 0.00 TO 6.25 SF	SD	2610	-	-	-	-	-	-
31	880(B)	CONSTRUCTION SIGNS 6.26 TO 15.99 SF	SD	5130	-	-	-	-	-	-
32	880(B)	CONSTRUCTION SIGNS 16.00 AND UP	SD	3060	-	-	-	-	-	-
33	880(C)	BARRICADES (TYPE III)	SD	16470	-	-	-	-	-	-
34	880(E)	TYPE "A" WARNING LIGHT	SD	34740	-	-	-	-	-	-
35	880(F)	DRUMS	SD	11250	-	-	-	-	-	-
36	880(G)	TUBE CHANNELIZERS	SD	9000	-	-	-	-	-	-
37	880(I)	FLAGGER	FD	50	-	-	-	-	-	-
38	882(B)	REMOTE CONTROLLED CHANGEABLE MESSAGE SIGN	SD	100	-	-	-	-	-	-
39	SPECIAL	PROJECT SIGN (CITY OF TULSA)	EA	2	-	-	-	-	-	-
40	SPECIAL	TYPE I AC PATCH	CY	639	0	123	27	137	56	296
41	SPECIAL	TYPE 1 PCC PATCH	CY	6	6	-	-	-	-	-
42	SPECIAL	CURB RAMP	EA	9	9	-	-	-	-	-
43	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	EA	1	-	-	-	-	-	-
44	SPECIAL	QUICK SET FLOWABLE FILL	CY	12	2	2	2	2	2	2
45	SPECIAL	FLAGGER (RAILROAD)	FD	30	-	-	-	-	-	-
46	SPECIAL	RAILROAD COORDINATION	LSUM	1	-	-	-	-	-	-
47	SPECIAL	OWNER ALLOWANCE	EA	2500	-	-	-	-	-	-

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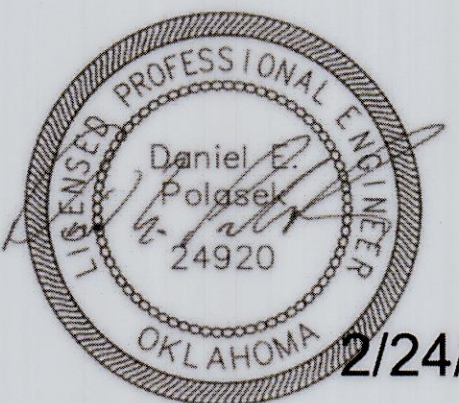
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LEGEND

→ DIRECTION OF TRAFFIC

○ SIGN



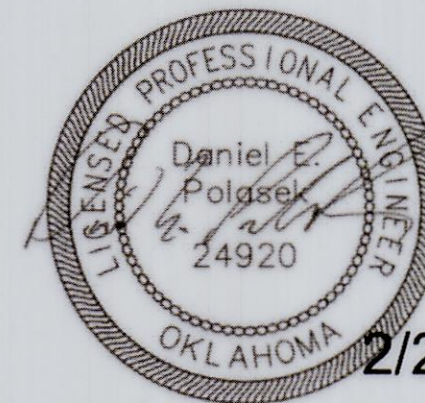
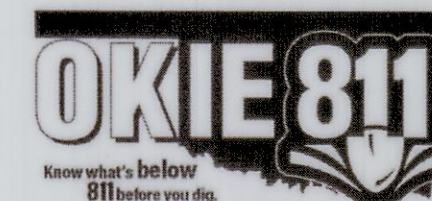
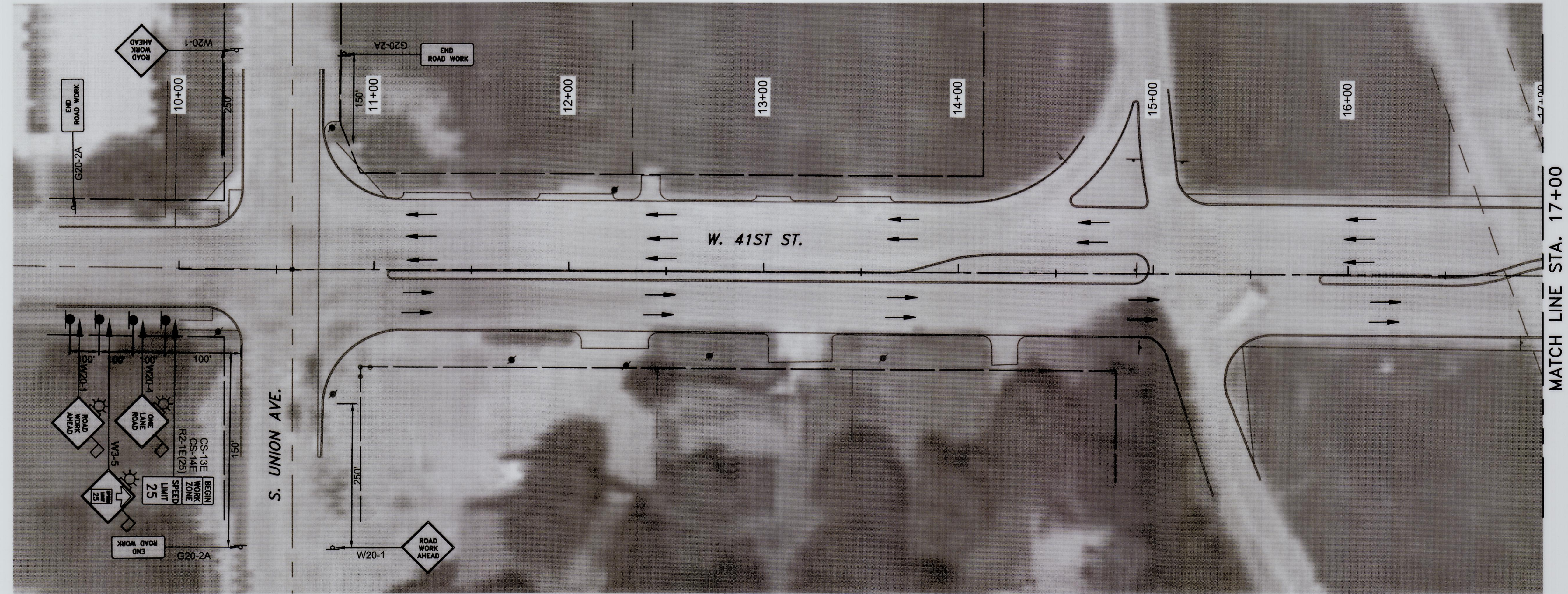
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								SURVEY BY:	TLS	4/23		
					PROFILE SCALE:			PROJ. MGR.	AC	8/25		
					HORIZONTAL:			LEAD ENGR.	DD	3/25		
					NA			FIELD MGR.	Tom	5/25		
					VERTICAL:			RECOMMENDED:	HAS	3-25		
					NA			DESIGN MANAGER				
					FILE:			DRAWING:			DATE: 4/28/2025	
					ATLAS PAGE NO:			140, 191			SHEET 21 OF 30 SHEETS	

DETOUR PLAN
PROJ. 2036A0025Z-2036A0035Z
W. 41ST ST. S. -
UNION AVE. TO ELWOOD AVE.

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
BKL, INCORPORATED
1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588

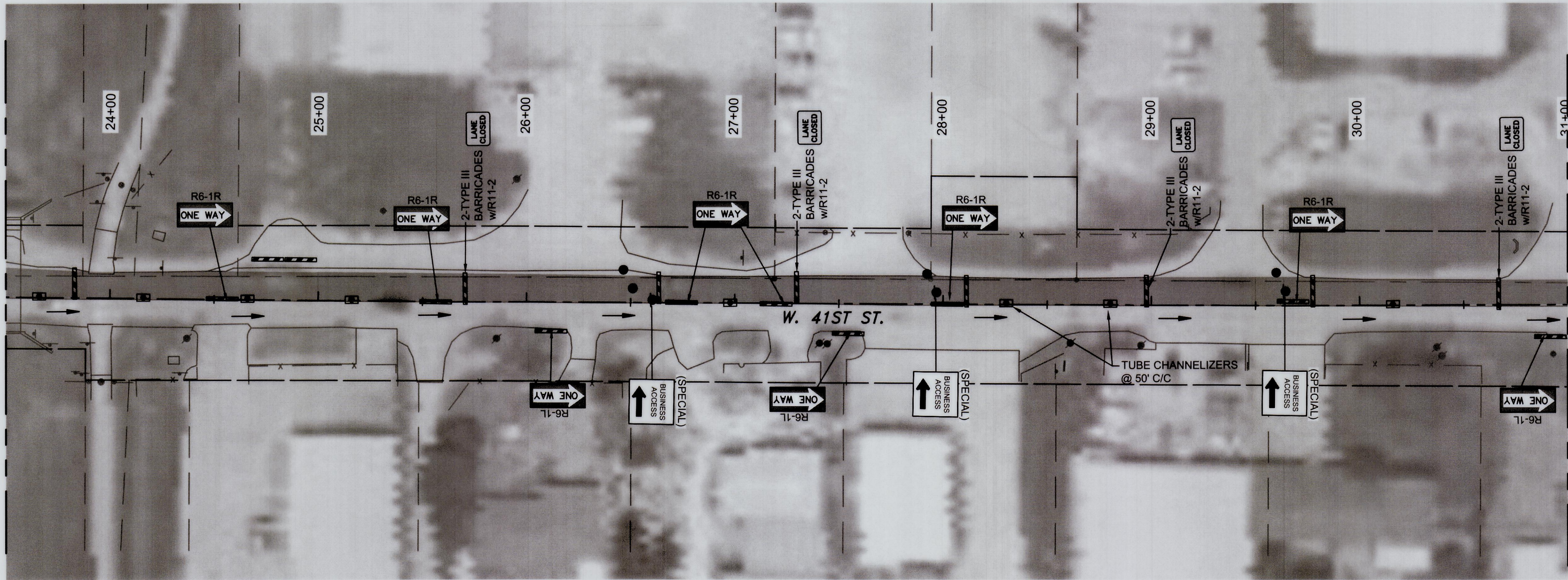
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2/24/2024

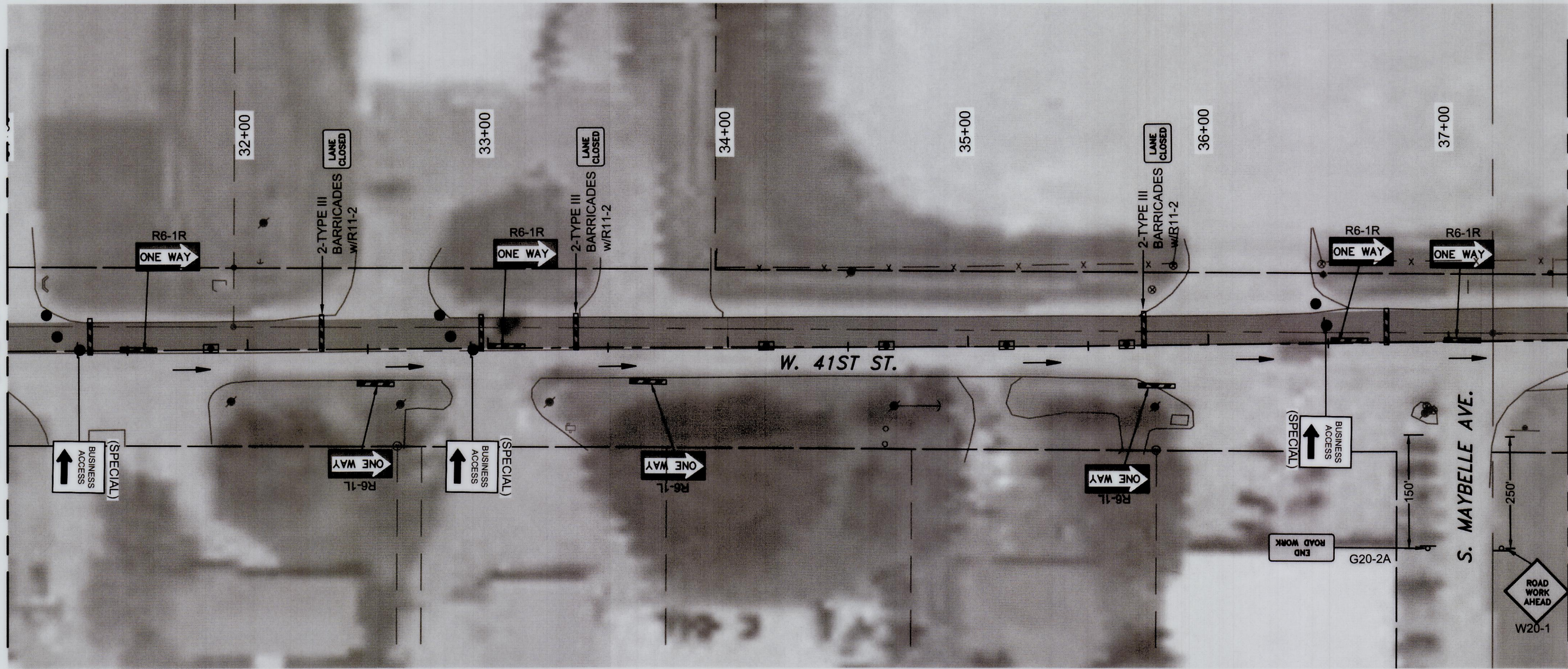
TRAFFIC CONTROL PHASE 1 (1)			
PROJ. 2036A0025Z-2036A0035Z			
W. 41ST ST. S. - UNION AVE. TO ELWOOD AVE.			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS & ESTIMATES PREPARED BY: BKL, INCORPORATED			
1623 E. 6TH STREET TULSA, OKLA. 74120		918-835-9588	
PLAN SCALE:	DRAWN BY:	FLK	9/23
1"=30'	DESIGNED BY:	DEP	9/23
	SURVEY BY:	TLF	4/23
PROFILE SCALE:	PROJ. MGR.	RF	8/25
HORIZONTAL:	LEAD ENGR.	Q	8/25
NA	FIELD MGR.	RF	5/23
VERTICAL:	RECOMMENDED:	HAS	3-25
NA	DESIGN MANAGER		
FILE:	DRAWING:		
ATLAS PAGE NO:	140, 191	DATE:	4/23/2024
		SHEET 22 OF 30 SHEETS	

MATCH LINE STA. 23+50

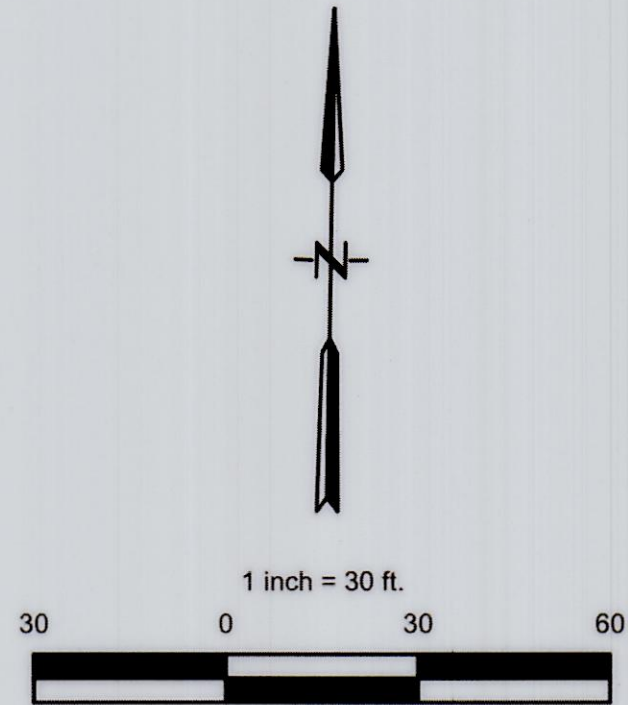


MATCH LINE STA. 31+00

MATCH LINE STA. 31+00



MATCH LINE STA. 37+50

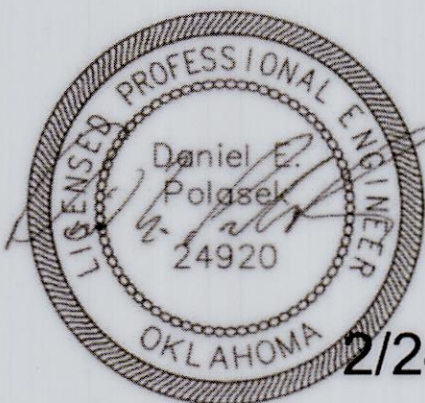


LEGEND

- TYPE III BARRICADE
- CONSTRUCTION SIGN
- DRUMS
- TUBE CHANNELIZER
- CONSTRUCTION AREA
- TRAFFIC DIRECTION

NOTE:

DRUM AND TUBE CHANNELIZER SPACING SHALL BE 25' UNLESS OTHERWISE NOTED.



2/24/2024

TRAFFIC CONTROL PHASE 1 (2)

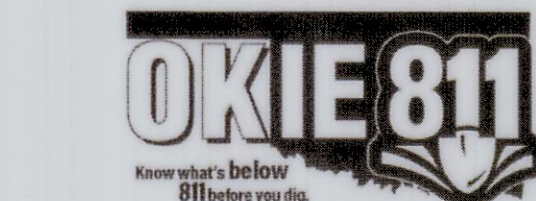
PROJ. 2036A0025Z-2036A0035Z

W. 41ST ST. S. -
UNION AVE. TO ELWOOD AVE.

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS & ESTIMATES PREPARED BY:
BKL, INCORPORATED

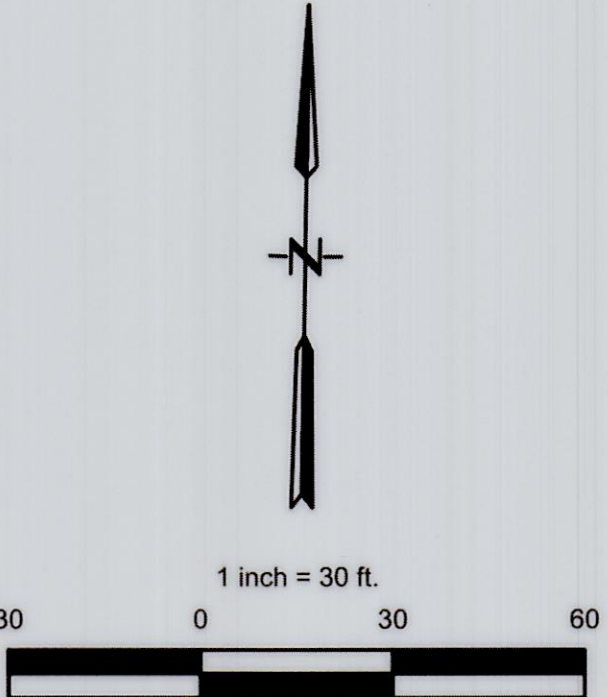
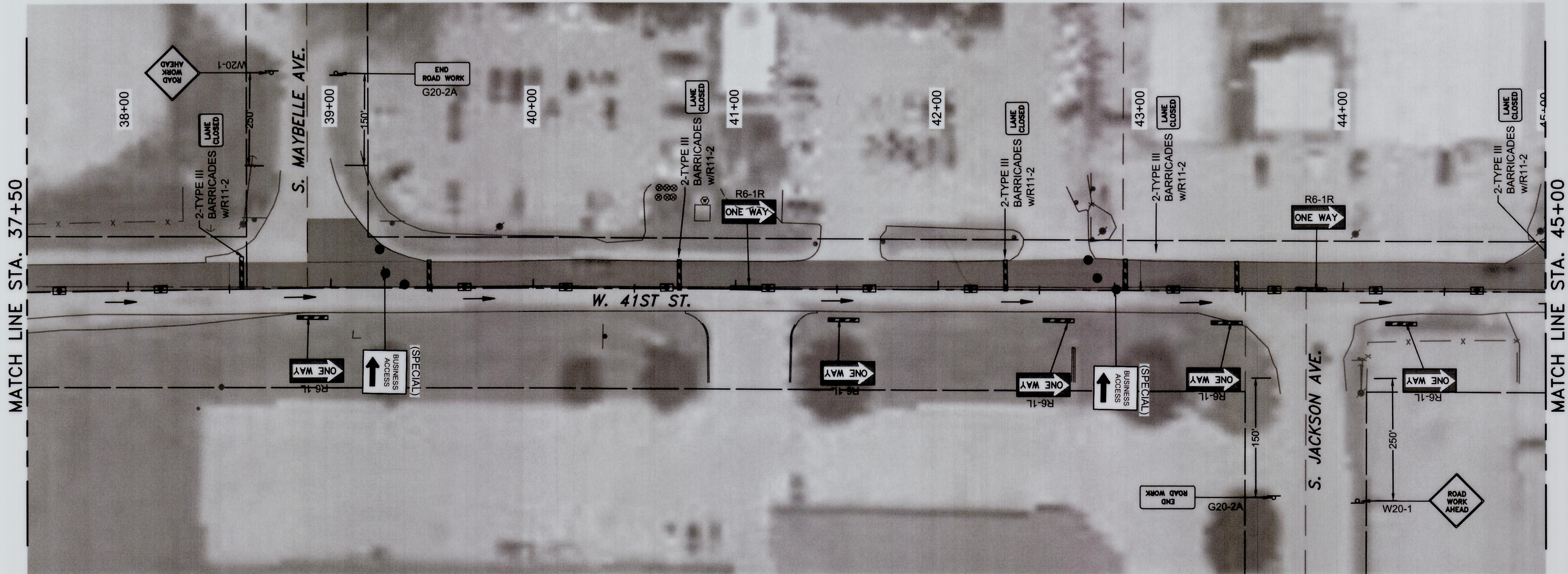
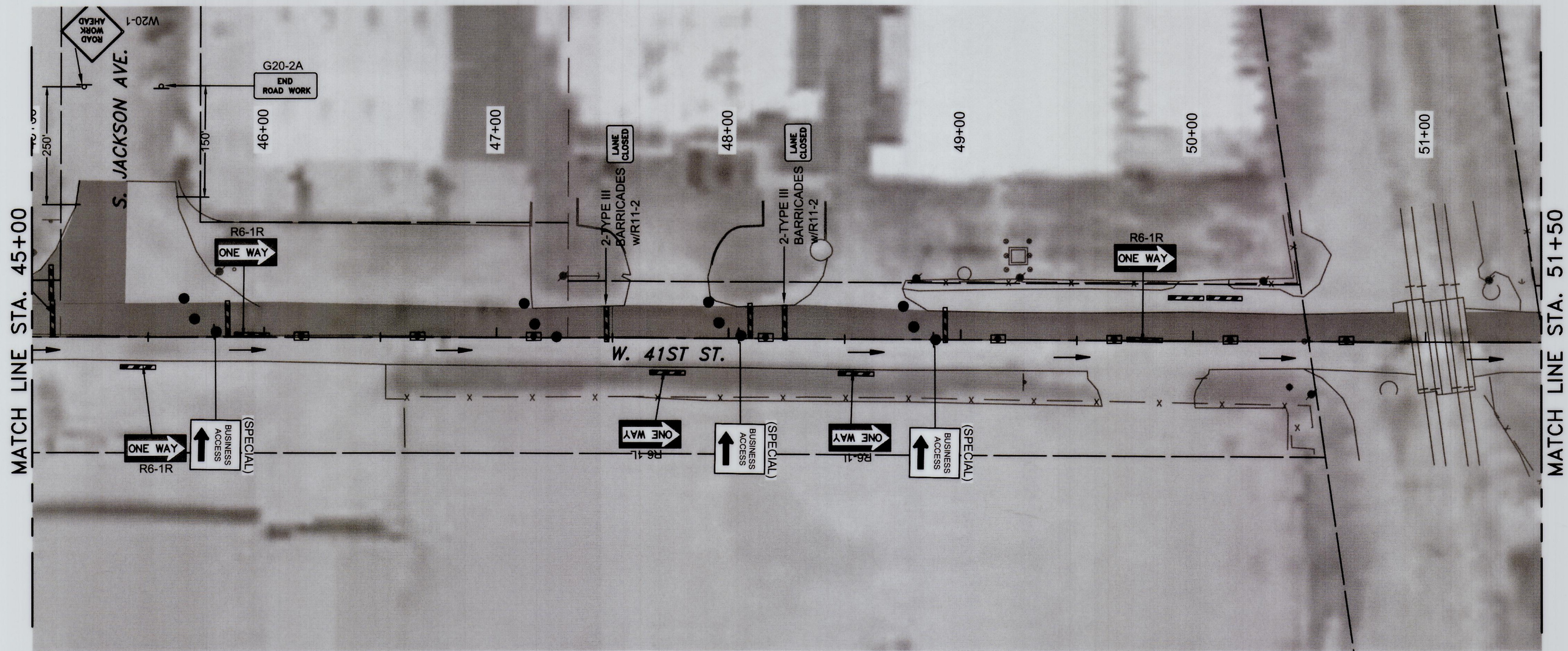
1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588



REVISION	BY	DATE

PLAN SCALE:	DRAWN BY: FLK 9/23	APPROVED:
1"=30'	DESIGNED BY: DEP 9/23	
	SURVEY BY: TLS 4/23	
PROFILE SCALE:	PROJ. MGR. AC 3/25	
	LEAD ENGR. 3/25	
HORIZONTAL: NA	FIELD MGR. 3/25	
VERTICAL: NA	RECOMMENDED: HAS 3-25	
	DESIGN MANAGER	
FILE:	DRAWING:	DATE: 4/28/2025
ATLAS PAGE NO: 140, 191		SHEET 23 OF 30 SHEETS

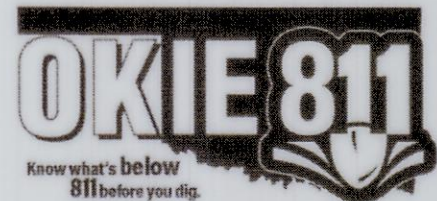
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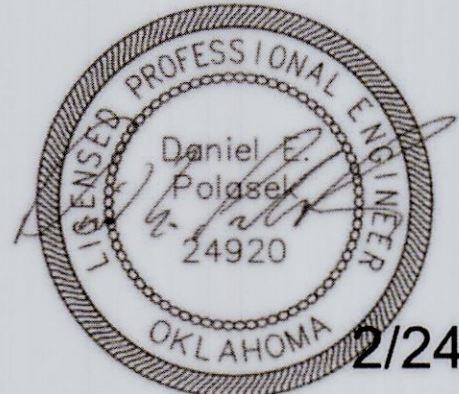
LEGEND

- TYPE III BARRICADE
- CONSTRUCTION SIGN
- DRUMS
- TUBE CHANNELIZER
- CONSTRUCTION AREA
- TRAFFIC DIRECTION

NOTE:
DRUM AND TUBE CHANNELIZER SPACING SHALL BE 25' UNLESS OTHERWISE NOTED.



REVISION	BY	DATE	1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588	1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588
			PLAN SCALE: 1"=30'	DRAWN BY: FLK 9/23
			DESIGNED BY: DEP 9/23	APPROVED:
			SURVEY BY: TLS 4/23	
			PROFILE SCALE: NA	PROJ. MGR. AF 3/25
			HORIZONTAL: NA	LEAD ENGR. 3/25
			VERTICAL: NA	FIELD MGR. 5/25
			RECOMMENDED: HAS 3-25	DESIGN MANAGER
			FILE: DRAWING:	CITY ENGINEER
			ATLAS PAGE NO: 140, 191	DATE: 4/28/2025
				SHEET 24 OF 30 SHEETS

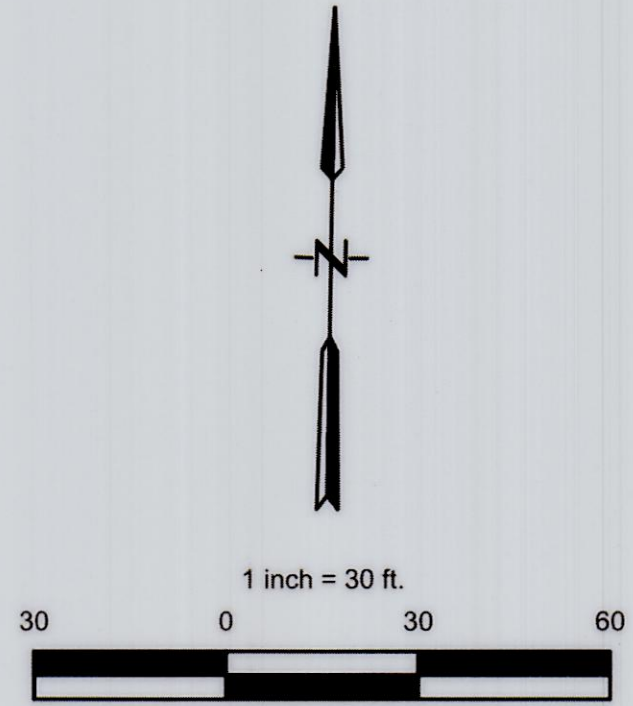
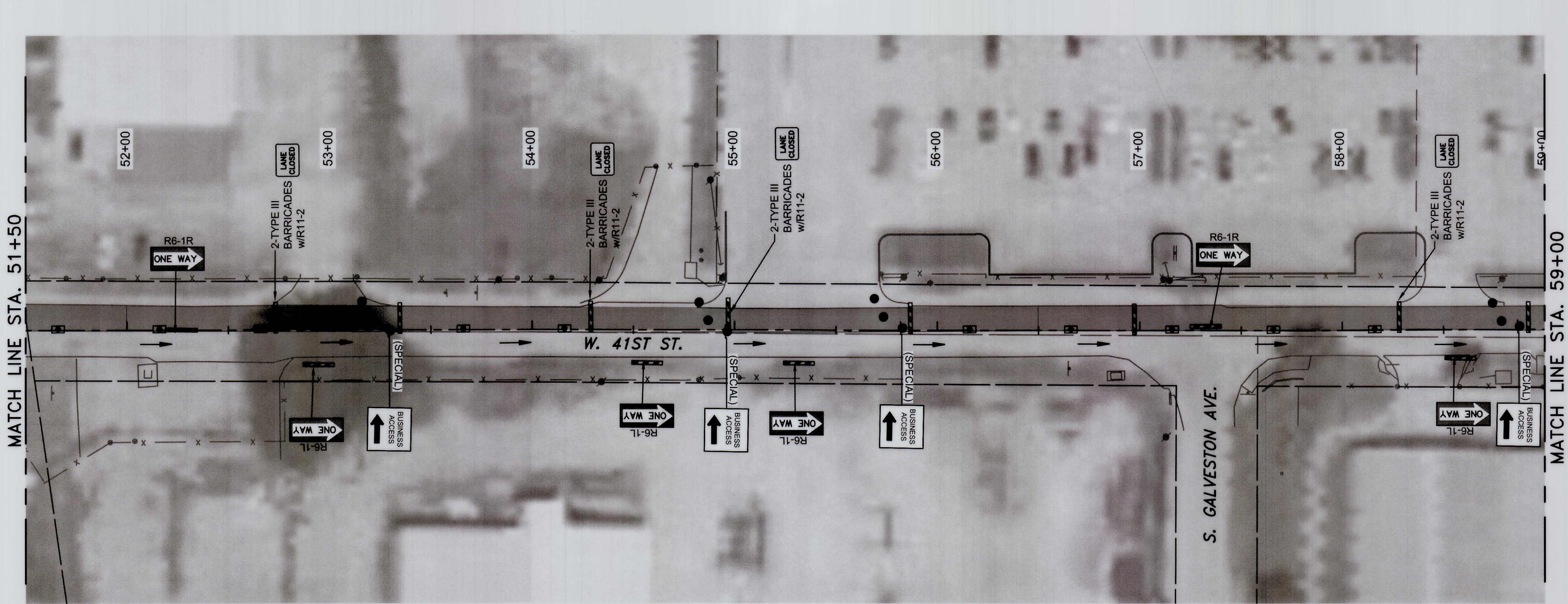


TRAFFIC CONTROL PHASE 1 (3)
PROJ. 2036A0025Z-2036A0035Z
W. 41ST ST. S. -
UNION AVE. TO ELWOOD AVE.

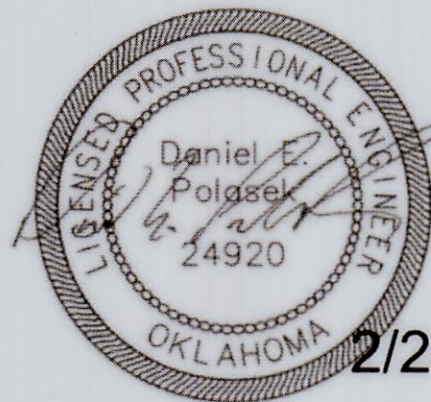
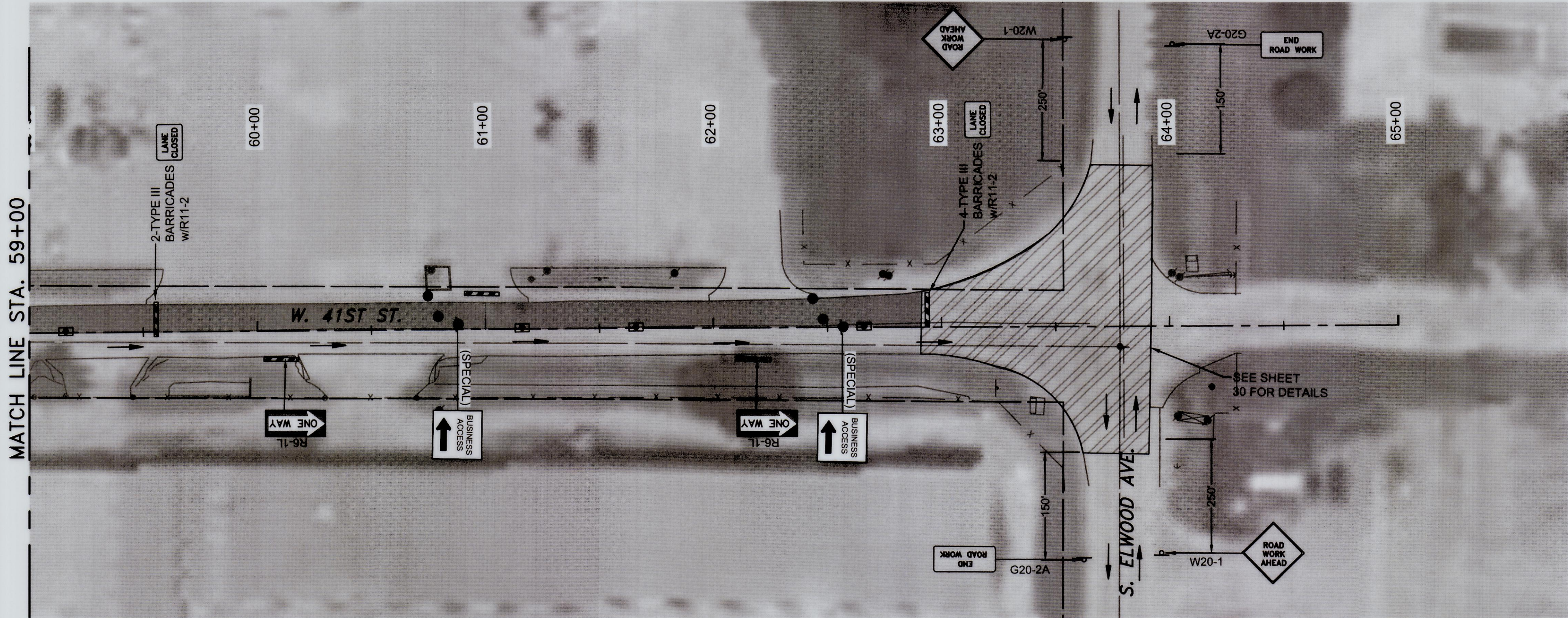
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT
PLANS & ESTIMATES PREPARED BY:
BKL, INCORPORATED

2/24/2024

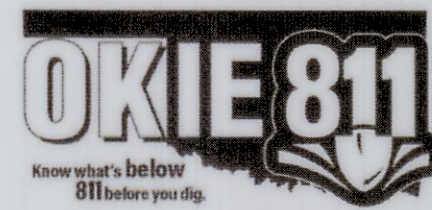
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- LEGEND**
- TYPE III BARRICADE
 - CONSTRUCTION SIGN
 - DRUMS
 - TUBE CHANNELIZER
 - CONSTRUCTION AREA
 - TRAFFIC DIRECTION
- NOTE:**
- DRUM AND TUBE CHANNELIZER SPACING SHALL BE 25' UNLESS OTHERWISE NOTED.



2/24/2024

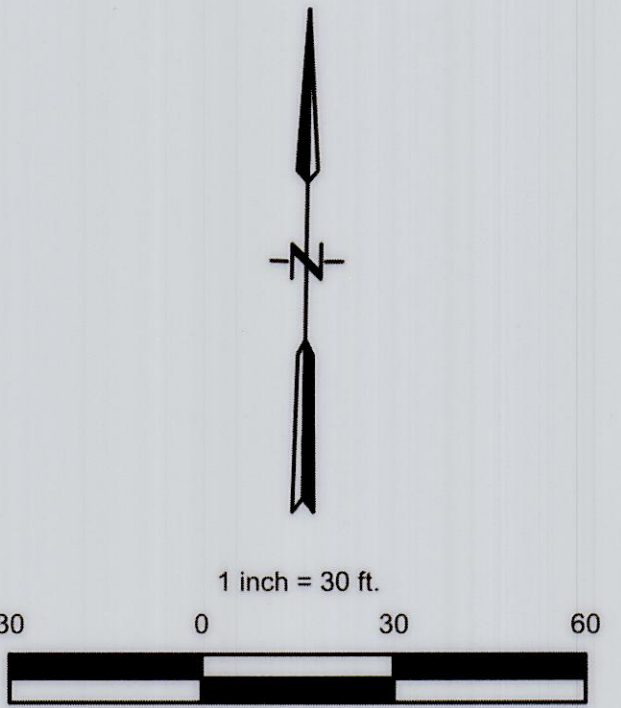
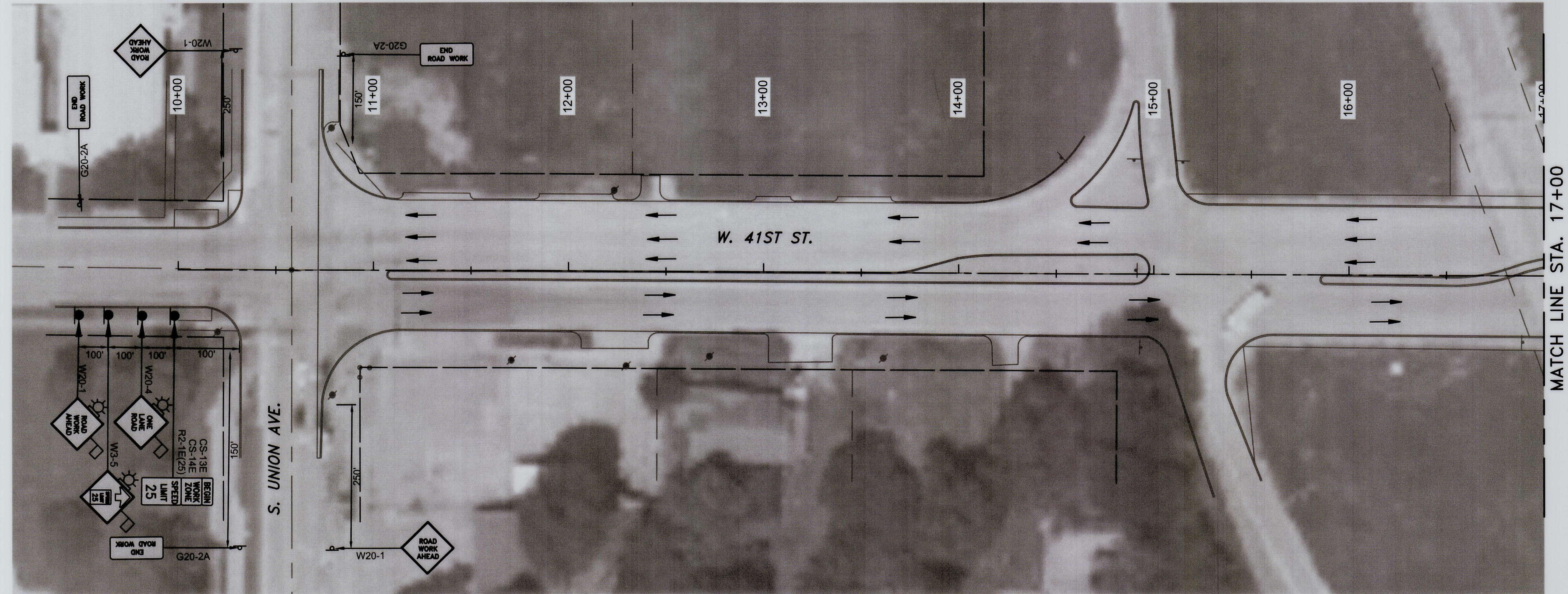


REVISION			BY	DATE

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	SURVEY BY:	TLS	4/23	
PROFILE SCALE:	PROJ. MGR.	AR	3/25	
HORIZONTAL:	LEAD ENGR.	D	3/25	
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VERTICAL:	RECOMMENDED:			
NA	DESIGN MANAGER			
FILE:	DRAWING:			
ATLAS PAGE NO:	140, 191			

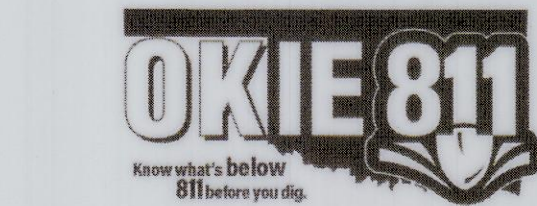
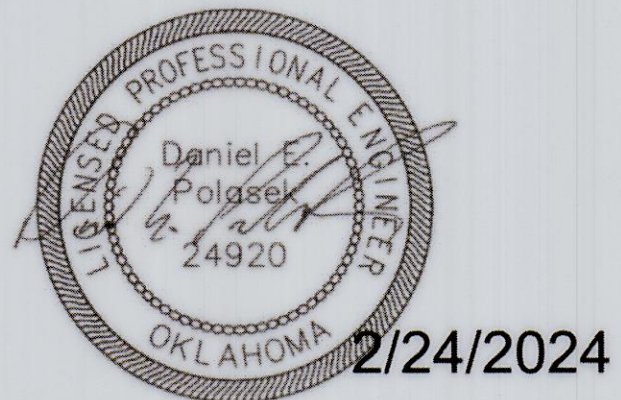
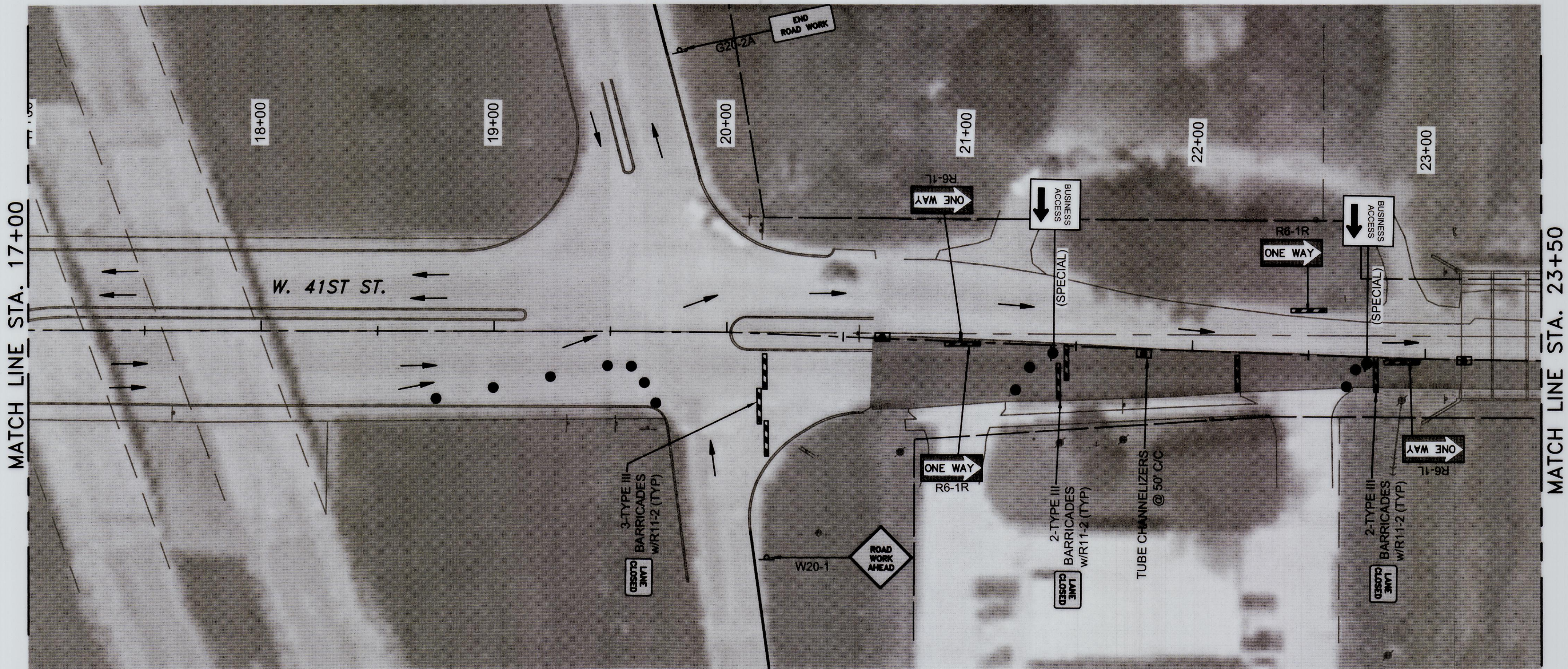
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SHEET 25	OF 30 SHEETS

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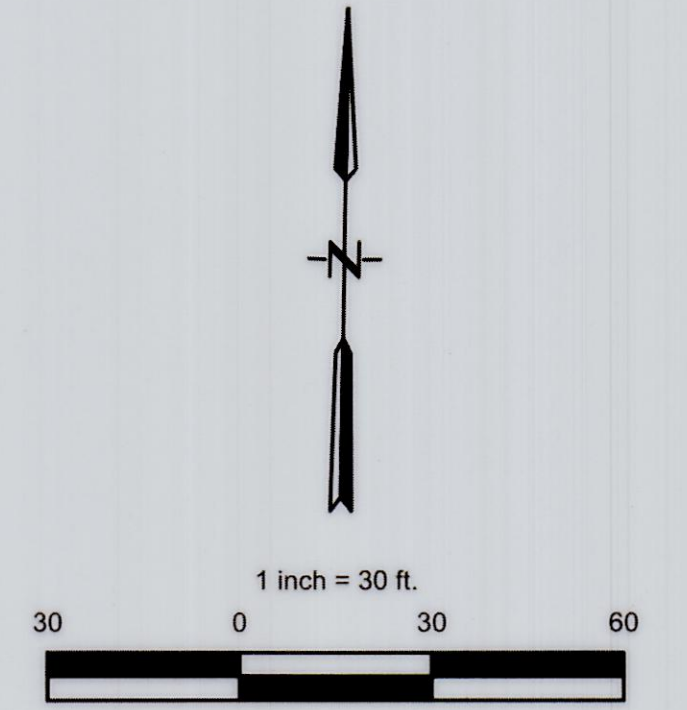
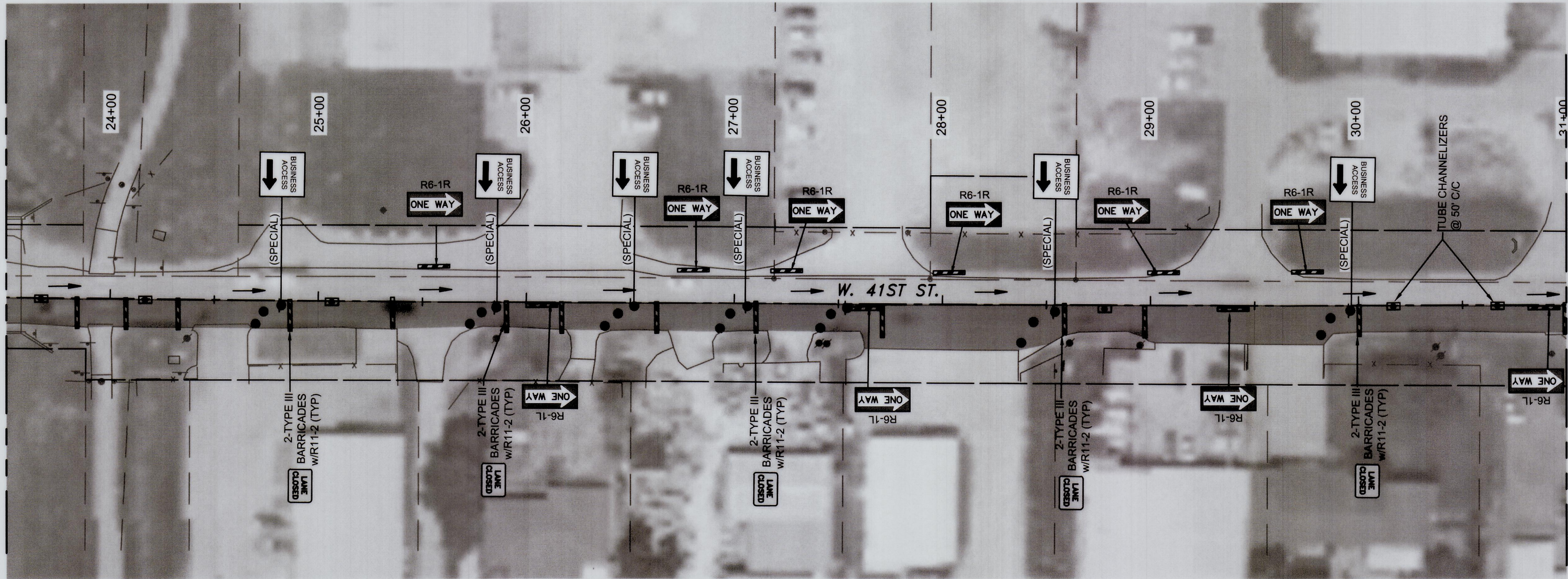


- LEGEND**
- TYPE III BARRICADE
 - CONSTRUCTION SIGN
 - DRUMS
 - TUBE CHANNELIZER
 - CONSTRUCTION AREA
 - TRAFFIC DIRECTION

NOTE:
DRUM AND TUBE CHANNELIZER
SPACING SHALL BE 25' UNLESS
OTHERWISE NOTED.



REVISION			BY	DATE	PLANS & ESTIMATES PREPARED BY:			
					1623 E. 6TH STREET	TULSA, OKLA. 74120	918-835-9588	
					PLAN SCALE:	DRAWN BY: FLK	9/23	APPROVED:
					1"=30'	DESIGNED BY: DEP	9/23	
					SURVEY BY: TLS	4/23		
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					HORIZONTAL: NA	LEAD ENGR. D	3/25	
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					FILE:	DRAWING:	DATE: 4/28/2025	
					ATLAS PAGE NO: 140, 191			SHEET 26 OF 30 SHEETS

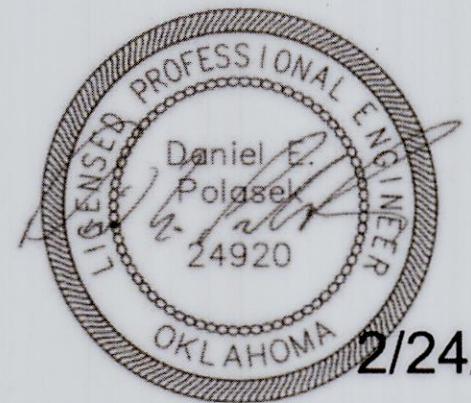
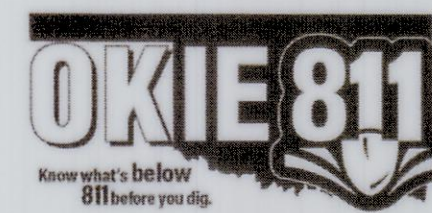
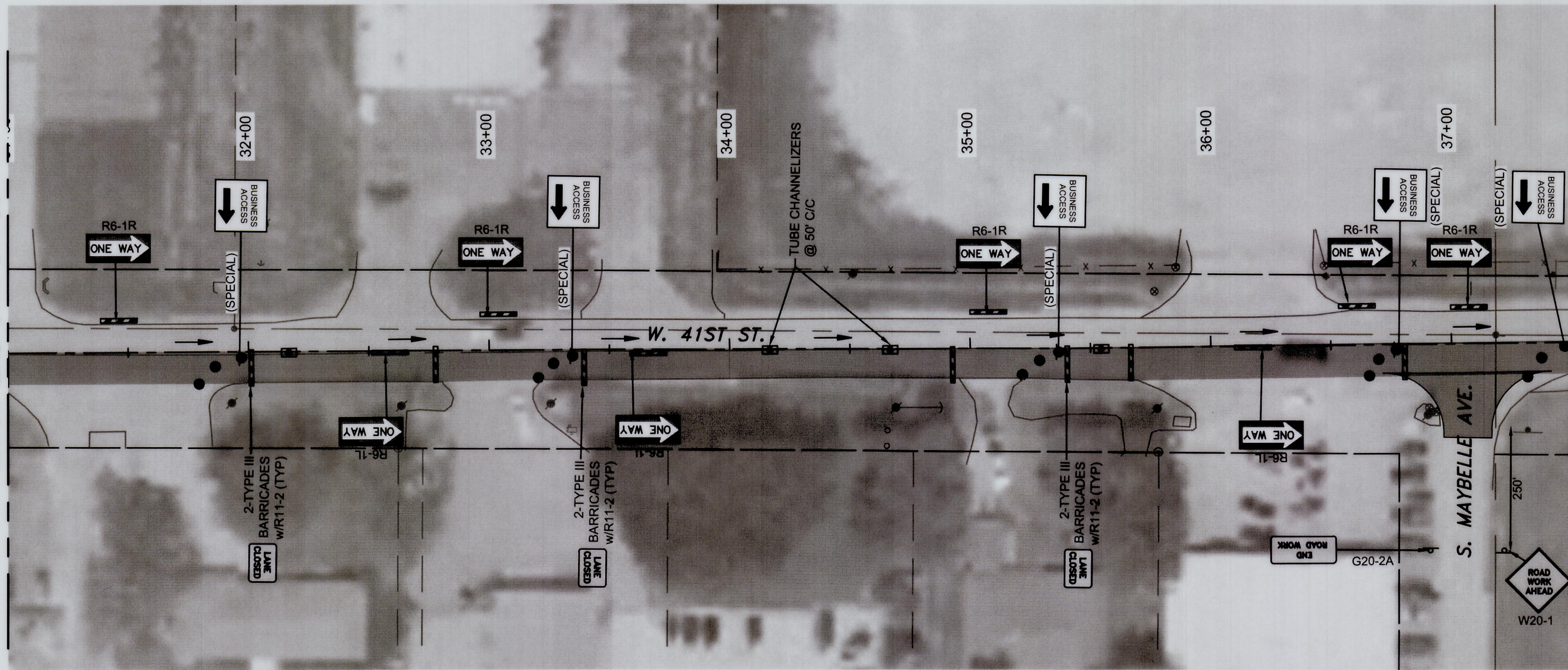
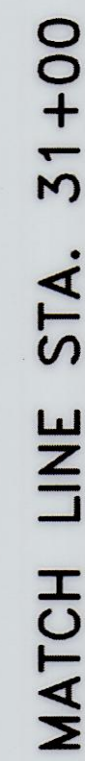


LEGEND

- | | |
|---|--------------------|
|  | TYPE III BARRICADE |
|  | CONSTRUCTION SIGN |
|  | DRUMS |
|  | TUBE CHANNELIZER |
|  | CONSTRUCTION AREA |
|  | TRAFFIC DIRECTION |

NOTE:

DRUM AND TUBE CHANNELIZER
SPACING SHALL BE 25' UNLESS
OTHERWISE NOTED.

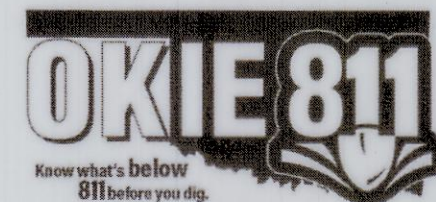
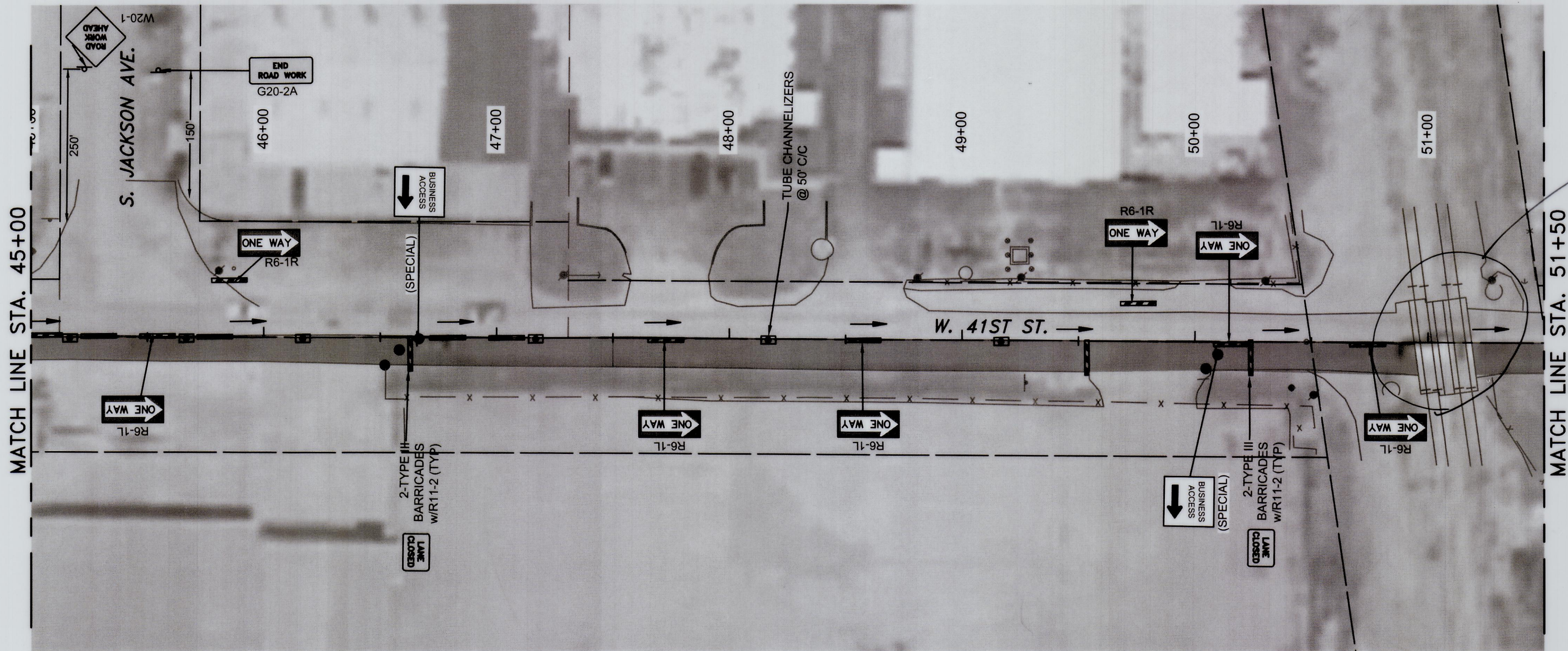
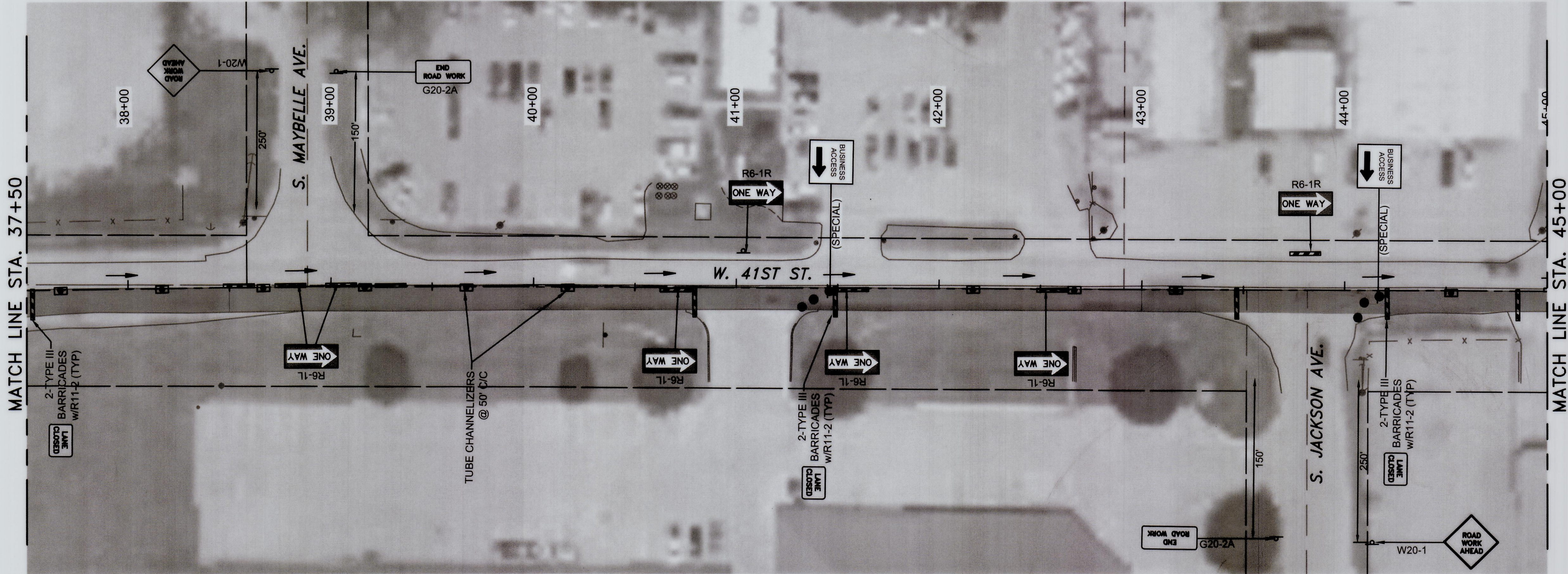


2/24/2024

		TRAFFIC CONTROL PHASE 2 (2)	
		PROJ. 2036A0025Z-2036A0035Z	
		W. 41ST ST. S. - UNION AVE. TO ELWOOD AVE.	
		CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
		PLANS & ESTIMATES PREPARED BY: BKL, INCORPORATED	
		1623 E. 6TH STREET TULSA, OKLA. 74120	
		918-835-9588	

REVISION	BY	DATE	PLAN SCALE:	DRAWN BY:	FLK	9/23	APPROVED:
			1"=30'	DESIGNED BY:	DEP	9/23	 CITY ENGINEER
				SURVEY BY:	TLS	4/23	
			PROFILE SCALE	PROJ. MGR.	AS	9/25	
			HORIZONTAL:	LEAD ENGR.	DD	3/25	
				FIELD MGR.	DD	5/25	
			VERTICAL:	RECOMMENDED:	HAS	3-25	
				DESIGN MANAGER			
			FILE:	DRAWING:			DATE: 4/28/2025
ATLAS PAGE NO:			140, 191				
SHEET 27			OF 30 SHEETS				

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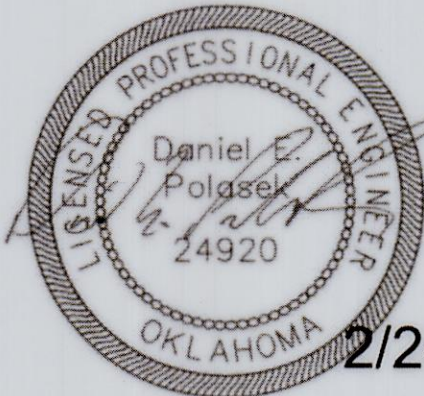


REVISION	BY	DATE	PLAN SCALE:	DRAWN BY:	FLK	9/23	APPROVED:
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			HORIZONTAL:	LEAD ENGR.	①	3/25	
			NA	FIELD MGR.	per	5/25	
			VERTICAL:	RECOMMENDED:	HAS	3-25	
			NA	DESIGN MANAGER			
			FILE:	DRAWING:			
			ATLAS PAGE NO:	140, 191			
2/24/2024							
1623 E. 6TH STREET TULSA, OKLA. 74120 918-835-9588							

1623 E. 6TH STREET
TULSA, OKLA. 74120
918-835-9588

2/24/2024

SHEET 28 OF 30 SHEETS	
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TRAFFIC CONTROL PHASE 2 (3)

PROJ. 2036A0025Z-2036A0035Z

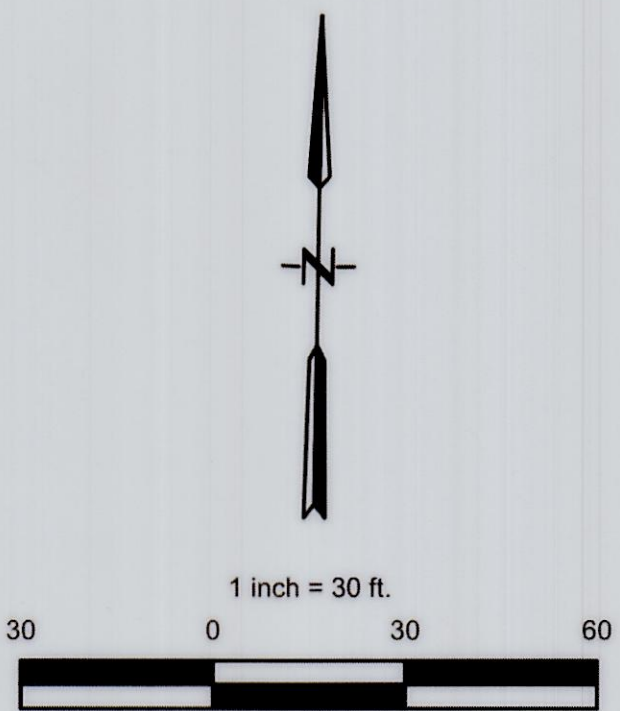
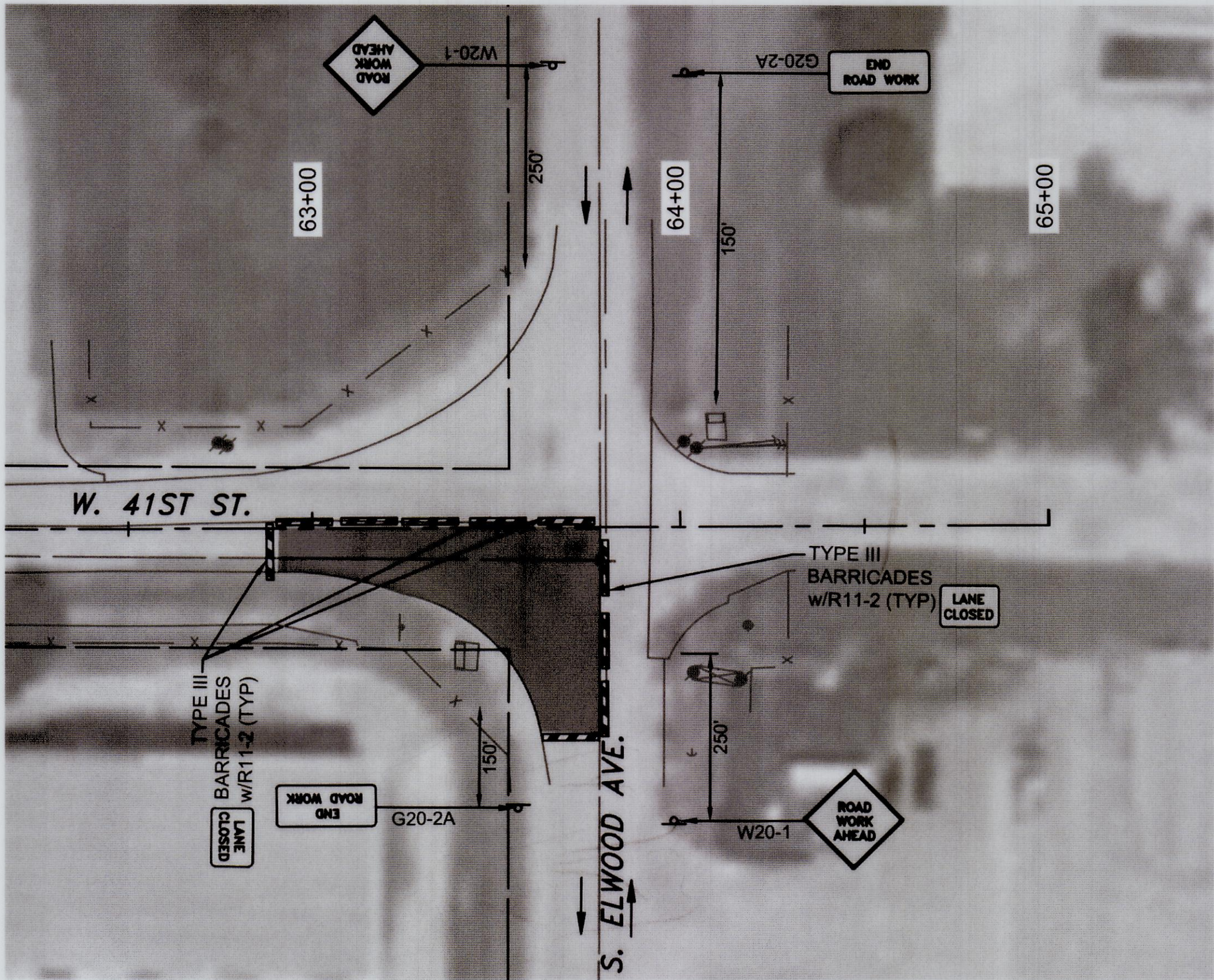
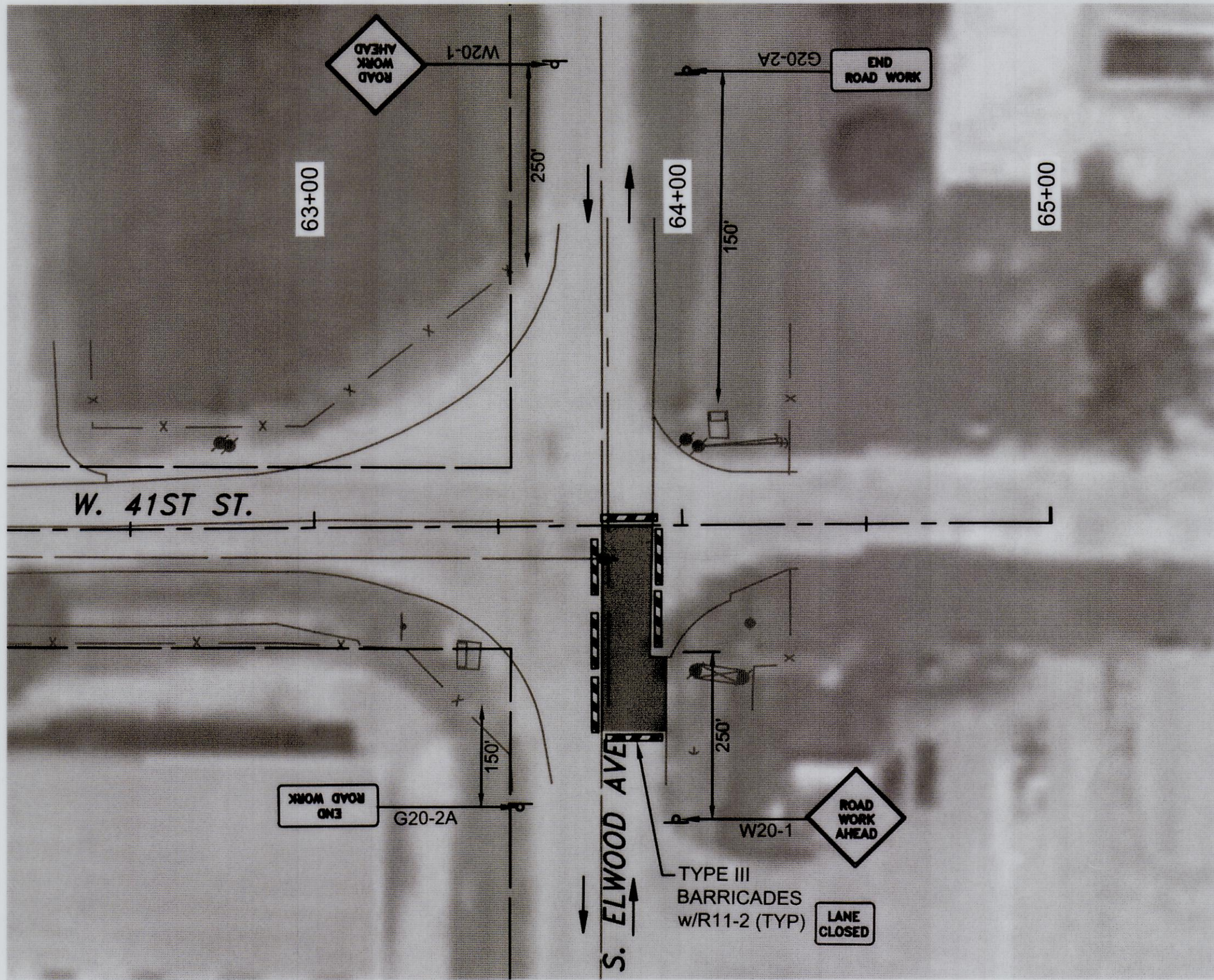
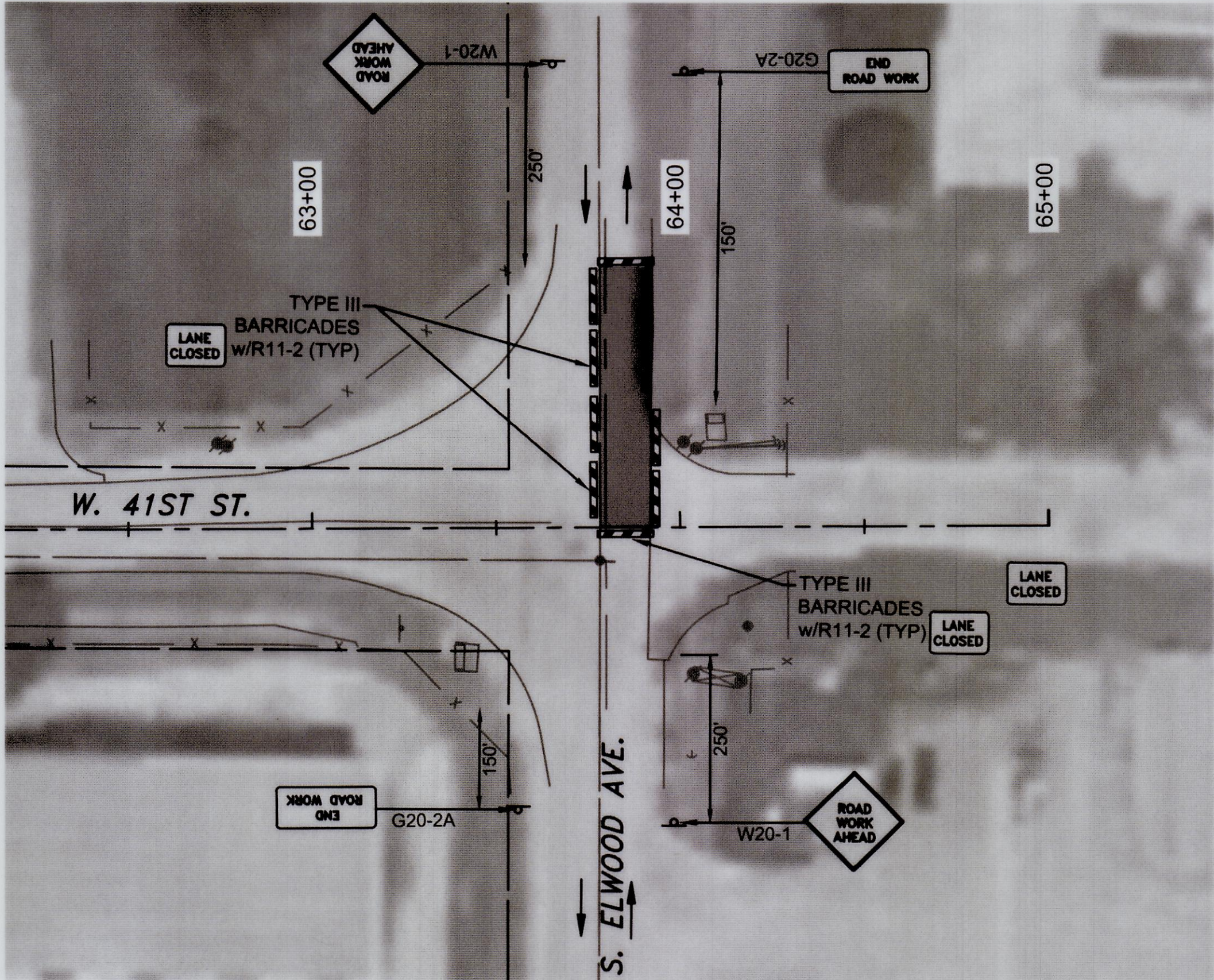
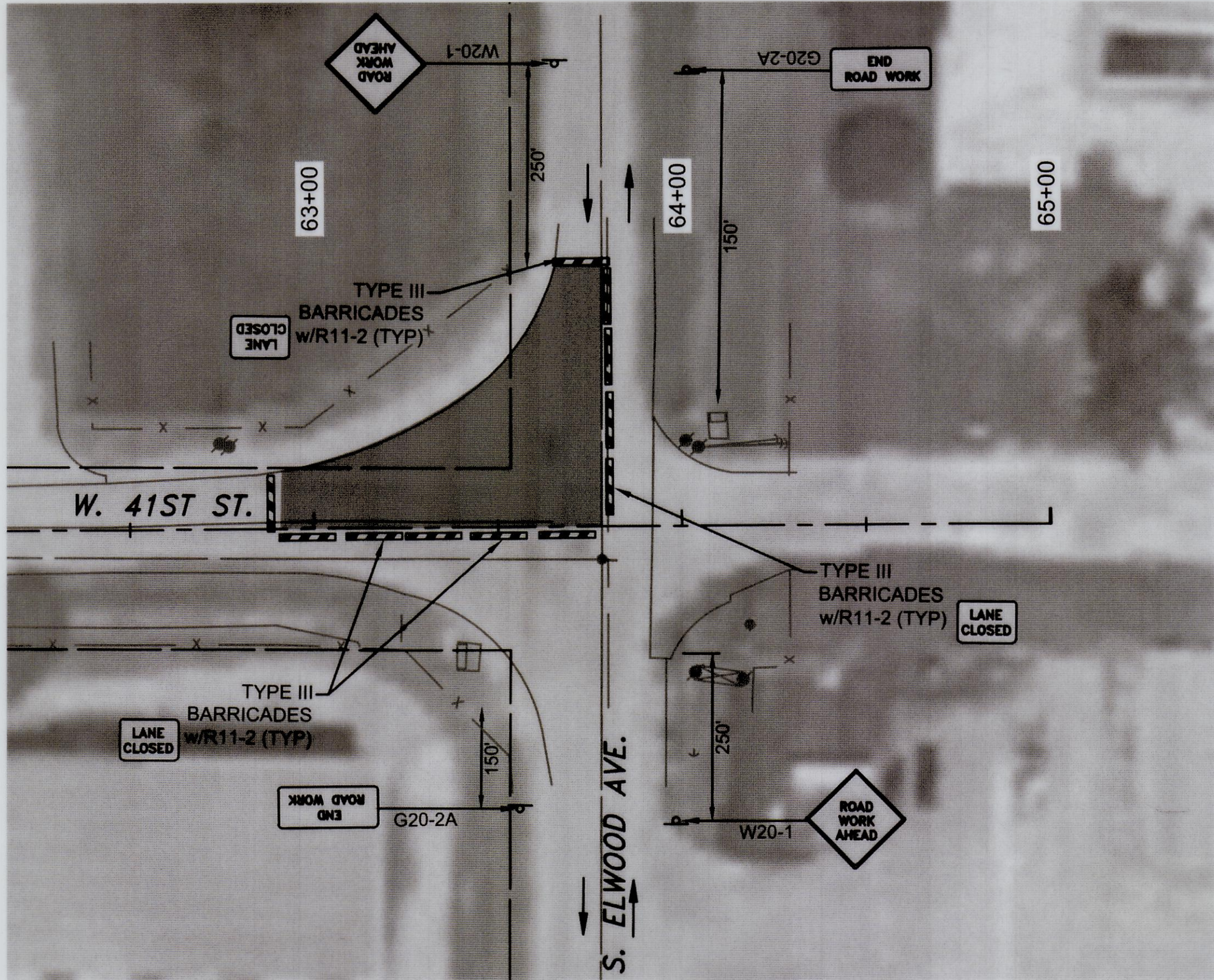
W. 41ST ST. S. -
UNION AVE. TO ELWOOD AVE.

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

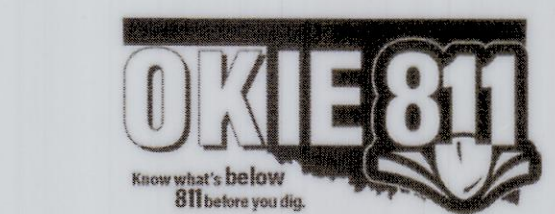
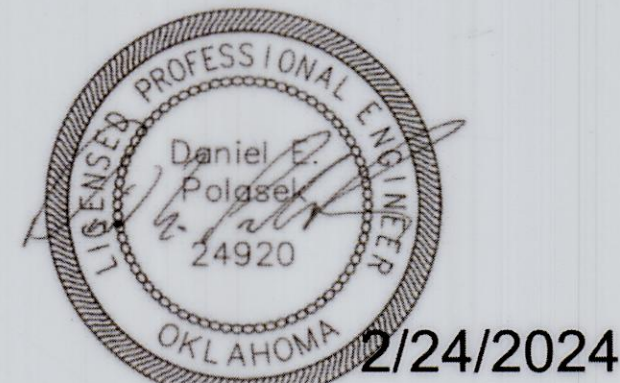
PLANS & ESTIMATES PREPARED BY:
BKL, INCORPORATED

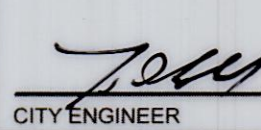
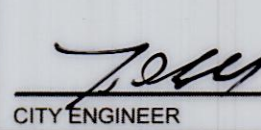
CITY ENGINEER
DATE: 4/28/2025

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- LEGEND**
- TYPE III BARRICADE
 - CONSTRUCTION SIGN
 - DRUMS
 - TUBE CHANNELIZER
 - CONSTRUCTION AREA
 - TRAFFIC DIRECTION
- NOTE:**
DRUM AND TUBE CHANNELIZER SPACING SHALL BE 25' UNLESS OTHERWISE NOTED.



REVISION			BY	DATE	PLAN SCALE:			DRAWN BY:	FLK	9/23	APPROVED:	
					1"=20'			DESIGNED BY:	DEP	9/23	 CITY ENGINEER	
								SURVEY BY:	TLS	4/23		
					PROFILE SCALE:			PROJ. MGR.	RF	3/25		
					HORIZONTAL:			LEAD ENGR.	D	5/25		
					VERTICAL:			FIELD MGR.	RF	5/25		
					NA			RECOMMENDED:	Has	3-25	 CITY ENGINEER	
					NA			DESIGN MANAGER				
					FILE:			DRAWING:			DATE: 4/24/2025	
					ATLAS PAGE NO:			140, 191			SHEET 30 OF 30 SHEETS	