

SURVEY DATUM	
HORIZONTAL CONTROL:	STATE PLANE COORDINATE SYSTEM NORTH ZONE 3501, NAD 83
VERTICAL CONTROL:	NAVD 1988
PERMANENT BENCHMARK:	(ADS MONUMENT 63 RESET) N: 434,963.500 E: 2,568,429.988 ELEV: 685.616'

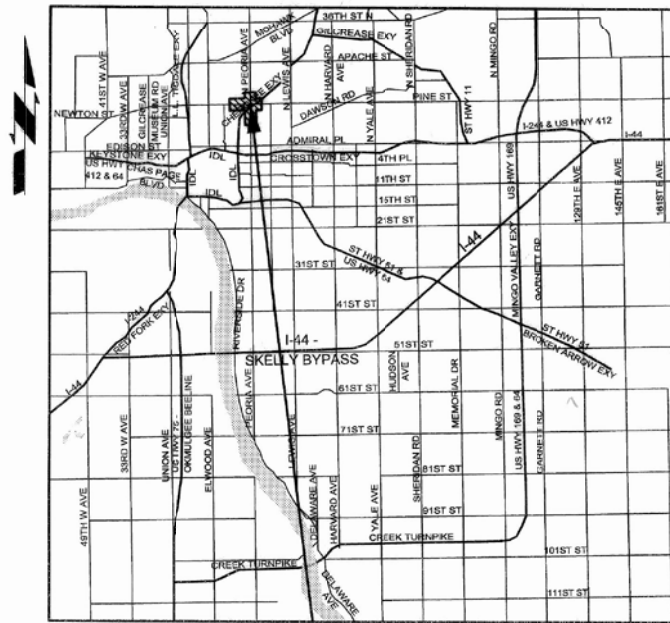
FINAL PLANS FOR ARTERIAL STREET REHABILITATION E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ

ACCOUNT NO. 144017.Streets.ArtRhb.405N.4053200.541106

CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT TMUA-W 16-34

PROJECT SITE

SEC. 25, 30, 31 & 36, T-20-N, R-12-E & R-13-E



ROADWAY LENGTH = 3,310 FT = 0.63 MILES = 2.52 LANE MILES

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	ROADWAY PAY QUANTITIES AND NOTES
3	ROADWAY GENERAL NOTES
4	WATERLINE PAY QUANTITIES AND NOTES
5	WATERLINE GENERAL NOTES
6-7	ROADWAY DETAILS
8-9	ROADWAY SUMMARY TABLES
10	WATERLINE VALVE AND HYDRANT TABLES
11	GEOMETRIC LAYOUT
12	SURVEY CONTROL SHEET
13	RIGHT-OF-WAY SHEET
14	EROSION CONTROL SHEET
15	STORMWATER MANAGEMENT PLAN SHEET
16	ROADWAY KEY MAP SHEET
17-22	ROADWAY PLAN AND PROFILE SHEETS
23	WATERLINE KEY MAP SHEET
24	WATERLINE PLAN AND PROFILE SHEET
25	CONSTRUCTION SEQUENCING MAP SHEET
26-39	TRAFFIC CONTROL SHEETS
40-42	SIGNING AND STRIPING SHEETS

SYMBOL LEGEND

- X— FENCE
- W— WATER LINE
- OHE— OVERHEAD ELECTRIC LINE
- G— GAS LINE
- SS— SANITARY SEWER
- — — PROP. CENTERLINE ROADWAY
- — — ROW
- — — PROPERTY LINE
- — — LOT LINE
- SD— STORM DRAIN
- UGT— FIBER OPTIC
- UGE— UNDERGROUND ELECTRIC
- RJ RESTRAINED JOINT
- SM SANITARY MANHOLE
- FM FIBER OPTIC MANHOLE
- STM STORM MANHOLE
- TM TELE MANHOLE
- WM WATER METER
- WV WATER VALVE
- FD FIRE HYDRANT
- PP POWER POLE
- GA GUY ANCHOR
- TR TELE RISER
- TRANS TRANSFORMER
- GM GAS METER
- LP LIGHT POLE
- GI GRATED INLET
- CI CURB INLET
- GV GAS VALVE
- TBM TEMPORARY BENCH MARK
- SIGN
- EB ELECTRIC BOX
- TR TREE
- EG EVERGREEN
- SH SHRUB

DESIGN CRITERIA

ADT 2014	= 20,600
ADT 2037	= 32,500
V	= 40 MPH
ESALS	= 14.8M



ODOT STANDARDS			
TCS1-1-01	TCS6-1-02	TCS11-1-01	TCS20-1-00
TCS2-1-00	TCS7-1-02	TCS12-1-00	LECS-5-00
TCS3-1-01	TCS8-1-00	TCS13-1-00	PM1-1-03
TCS4-1-01	TCS9-1-01	TCS14-1-00	
TCS5-1-00	TCS10-1-00	TCS19-1-01	

CITY OF TULSA STANDARDS

102	PROJECT SIGN	506	METER CAN WITH RIM AND LID FOR 1-1/2" WATER METER INSTALLATION
126	STANDARD SILT FENCE & CONSTRUCTION ENTRANCE	507	METER CAN WITH RIM AND LID FOR 2" WATER METER INSTALLATION
304	BEDDING DETAIL-RIGID PIPE	608A	STREET NAME SIGNS
304A	TRENCH DETAIL-WATERLINE	608B	TRAFFIC SIGNS
307	BORE/OPEN CUT CONDUIT DETAIL	713	PAVEMENT REMOVAL AND REPLACEMENT
309	FIRE HYDRANT	714	PAVEMENT CUTS
311	SAMPLING TAP ON 4"-12" WATER LINES	725	STANDARD PAVEMENT
313	VALVE BOX	727	PATCH AND REPAIR
315	THRUST BLOCKS AND TRENCH CONDITIONS	731	STANDARD CONCRETE PAVEMENT CUT AND REPAIR
327	COMBINATION AIR VACUUM/RELIEF VALVE VAULT FOR 2" ARV LESS THAN 5 LBS IN WEIGHT	790	STANDARD SIDEWALK RAMP
401	MANHOLE GRADE ADJUSTMENT	721	CONCRETE PAVEMENT STANDARD DETAILS FOR ALLEYS, RESIDENTIAL AND COLLECTOR STREETS
402	COVER, FRAME, AND FRAME SEAL REPAIR		
501	STANDARD METER SETTINGS FOR 5/8" X 3/4" AND 3/4" WATER SERVICE		
501A	STANDARD METER SETTINGS FOR 5/8" X 3/4" AND 3/4" WATER SERVICE (AQUAPEX BLUE)		
505	METER CAN WITH RIM AND LID FOR 5/8" X 3/4" AND 1" WATER METER CAN INSTALLATION		

CALL OKIE FOR A LIST OF CONTACTS IN THE AREA.

UTILITY COORDINATION	
UTILITY/DEPARTMENT	NUMBER
OKLAHOMA ONE-CALL SYSTEM, INC.	811
CITY OF TULSA - UTILITY COORDINATION (TONY GLYNN)	918-596-9245
OKLAHOMA NATURAL GAS (CODY YOST)	918-352-5745
AT&T (ALFORD NICHOLS)	539-444-1069
AEP/PSO (LONNY HICKS)	918-250-6211
COX COMMUNICATIONS (JASON HOLT)	918-830-7238
METROLINK TULSA (BILLY NORMAN)	918-398-1424

NOTE:
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. CURRENT CITY OF TULSA CONSTRUCTION BUDGETS DO NOT ALLOW FOR GROWTH OF THE PROJECT BEYOND THE EXTENTS DETAILED IN THE PLANS.

THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS AND IS ENTIRELY LOCATED WITHIN THE CORPORATE LIMITS OF THE CITY OF TULSA. CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS GOVERN. ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AS ADOPTED BY CITY OF TULSA.

Water and Sewer Director

7.15.2026
Date

Director of Public Works

7/14/2026
Date

ADVERTISE DATE:

Mac Milburn, P.E.
responsible for pages: 1-3, 6-9, 11, 13-22, 25-42
OK PE No. 33772

3-6-26
Date

Thomas M. Helvick, P.E.
responsible for pages: 1, 4-5, 10, 23-24
OK PE No. 34189

2-6-26
Date



PREPARED BY:



6100 SOUTH YALE AVENUE SUITE 1300
TULSA, OKLAHOMA 74136
(918) 250-5922 (VOICE)
(918) 858-0107 (FAX)
CERT. OF AUTH. #4193
EXPIRES 6-30-2026

PAY QUANTITIES					
ITEM NO.	SPEC. NO.	DESCRIPTION	QUANTITY	UNIT	
1	201(A)	CLEARING AND GRUBBING	(E-1.2)	1	AC
2	202(A)	UNCLASSIFIED EXCAVATION	(E-3.4)(R-1)	7419	CY
3	220	SWPPP DOCUMENTATION AND MANAGEMENT	(E-6.7.8)	1	LSUM
4	230(A)	SOLID SLAB SODDING	(E-10.11)	403	SY
5	303(A)	AGGREGATE BASE TYPE A	(S-1.2)	1451	CY
6	310(B)	SUBGRADE, METHOD B		165	SY
7	325	SEPARATOR FABRIC	(S-3)	5658	SY
9	609(B)	COMBINED CURB AND GUTTER (6" BARRIER)	(S-12.13.15.16)	198	LF
10	610(A)	CONCRETE SIDEWALK (4")	(S-12.13.16.17)	595	SY
11	610(A)	DECORATIVE CONCRETE SIDEWALK (4")	(S-12.13.17.18)	154	SY
12	610(C)	4" CONCRETE DIVIDING STRIP		425	SY
13	610(I)	TACTILE WARNING DEVICE - NEW		110	SF
14	612(C)	INLET ADJUSTED TO GRADE	(S-12)(R-2)(D-2.6.7.9)	1	EA
15	612(E)	VALVE BOX ADJUSTED TO GRADE	(S-12)(R-2)(D-6)	1	EA
16	612(F)	METER BOX ADJUSTED TO GRADE	(S-12)(R-2)(D-6)	1	EA
17	619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	(R-1.2.3.4.5)	1	LSUM
18	619(B)	REMOVAL OF CONCRETE DRIVEWAY	(R-1.2.5.6)	18	SY
19	619(B)	REMOVAL OF CURB AND GUTTER	(R-1.2.5.6)	1207	LF
20	619(B)	REMOVAL OF SIDEWALK	(R-1.2.5.6)	773	SY
21	619(B)	REMOVAL OF 4" CONCRETE DIVIDING STRIP	(R-1.2.5.6)	319	SY
22	641	MOBILIZATION	(G-2)	1	LSUM
23	642	CONSTRUCTION STAKING LEVEL II	(G-3.4)	1	LSUM
24	850	SHEET ALUMINUM SIGN	(T-2)	228	SF
25	851	1-1/2" SIGN POST		13	LF
26	851	1-3/4" SIGN POST		280	LF
27	851	2" SIGN POST		75	LF
28	855(A)	YELLOW TRAFFIC STRIPE (PLASTIC) (4" WIDE)	(T-3)	3559	LF
29	855(A)	WHITE TRAFFIC STRIPE (PLASTIC) (4" WIDE)	(T-3)	2581	LF
30	855(A)	YELLOW TRAFFIC STRIPE (PLASTIC) (8" WIDE)	(T-3)	498	LF
31	855(A)	WHITE TRAFFIC STRIPE (PLASTIC) (8" WIDE)	(T-3)	38	LF
32	855(A)	TRAFFIC STRIPE (PLASTIC) (24" WIDE)	(T-3)	677	LF
33	855(B)	TRAFFIC STRIPE (PLASTIC) (ARROW)	(T-3)	19	EA
34	857(F)	PAVEMENT MARKING REMOVAL (STRIPES)		5792	LF
35	857(F)	PAVEMENT MARKING REMOVAL (SYMBOLS)		21	EA
36	880(B)	CONSTRUCTION SIGNS 0 TO 6.25 SF	(T-2.4.5)	6900	SD
37	880(B)	CONSTRUCTION SIGNS 6.25 TO 15.99 SF	(T-2.4.5)	6900	SD
38	880(C)	CONSTRUCTION BARRICADES (TYPE III)	(T-2.4.5)	3800	SD
39	880(E)	WARNING LIGHTS (TYPE A)	(T-5)	5100	SD
40	880(F)	DRUMS	(T-2.4.5)	48975	SD
41	880(G)	TUBE CHANNELIZERS	(T-2.4)	22275	SD
42	COT 102	PROJECT SIGN (CITY OF TULSA)	(T-7)	4	EA
43	COT 335	CONTRACTOR'S QUALITY CONTROL		1	LSUM
44	SPECIAL	TYPE 1 PCC PATCH	(S-21)(G-1)(X-1)	768	CY
45	SPECIAL	TYPE "A" CURB RAMP		9	EA
46	SPECIAL	TYPE "B" CURB RAMP		3	EA
47	SPECIAL	TYPE "D" CURB RAMP		4	EA
48	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	(G-5.6.7.8.9.10)	1	LSUM
49	SPECIAL	OWNER ALLOWANCE		25000	EA

PAY QUANTITIES					
ITEM NO.	SPEC. NO.	DESCRIPTION	QUANTITY	UNIT	
34	COT 611	2 #12 UF ELECTRICAL CONDUCTOR WITH GROUND	600	LF	
35	COT 621	ROADWAY LUMINAIRE	4	EA	

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

PAY ITEM NOTES (11-14-2018)

- 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.
ALL COST FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.
- E-8: PRICE BID SHALL INCLUDE MAINTENANCE, SEDIMENT REMOVAL, DISPOSAL, AND REMOVAL OF FILTERS AT PROJECT COMPLETION.

E-9: NOT USED

E-10: 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.

S-1: TYPE A AGGREGATE BASE WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 90% OF THE PATCHING. 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 TO 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 THE 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 TO 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 TO 23: NOT USED

R-1: WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A MANNER APPROVED BY THE ENGINEER.

R-2: ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED, REMOVED, REPAIRED, OR REPLACED.

R-3: PAY ITEM INCLUDES REMOVAL OF ALL STRUCTURES AND OBSTRUCTIONS WITHIN PROJECT LIMITS NOT SPECIFIED BY OTHER ITEMS OF WORK.

R-4: 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.

G-1: LOCATIONS TO BE DETERMINED IN THE FIELD AND WORK TO BE PERFORMED AT THE DIRECTION OF THE FIELD ENGINEER. QUANTITY IS ESTIMATED AND MAY BE OMITTED IN ITS ENTIRETY.

G-2: MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. EXCLUDES MOBILIZATION FOR WATERLINE WORK.

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

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

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

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

G-7: AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST SHALL OVERSEE ALL PLANTINGS AND/OR REMOVAL OF TREES. CONTACT CITY ARBORIST TO ACCEPT FINAL PLANTINGS. CONTACT #: 918-598-2548

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

G-9: CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO RESET ALL PAVERS, LANDSCAPE STONE, PRIVATE SIDEWALKS AND FENCES THAT ARE DISTURBED DURING CONSTRUCTION OPERATIONS. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RESETTING OF SUCH ITEMS IS TO BE INCLUDED IN PRICE BID FOR URBAN RIGHT OF WAY RESTORATION.

G-10: PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.

D-1: THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF TULSA STD NOS. 752, 753, 754, 756, 757, 758, 759 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 TO 5: NOT USED

D-6: ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.

D-7: INCLUDES THE COST REQUIRED TO MAKE CONNECTION AND REMOVAL OF EXISTING INLETS. THE COST OF PC CONCRETE CURB AND GUTTER THROUGH THE INLET, 5' EACH SIDE OF THE INLET, AND THE PC CONCRETE INLET APRON SHALL BE INCLUDED. GRATE AND FLOWLINE ELEVATION SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS.

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

D-9: ALL INLETS, COMPLETE IN PLACE, SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. THIS PAY ITEM INCLUDES ANY INLET FRAME(S), GRATE(S), HOOD(S) AND CONCRETE REQUIRED FOR COMPLETE INSTALLATION OF STRUCTURE PER THE CONSTRUCTION DOCUMENTS.

D-10 TO 15: NOT USED

T-1: NOT USED

T-2: REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.

T-3: ALL PLASTIC PAVEMENT MARKINGS SHALL BE: EXTRUDED-APPLIED THERMOPLASTIC. 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: NOT USED

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

X-1: PAY ITEM SHALL INCLUDE ALL NECESSARY LABOR AND MATERIALS REQUIRED TO REMOVE AND REPLACE APPROXIMATELY 556 LF OF INTEGRAL CURB THAT IS ASSOCIATED WITH THE PATCH.

609(B)	COMBINED CURB AND GUTTER (6" MOUNTABLE)	(S-12.13.15.16)	1280	LF
612(A)	MANHOLE ADJUSTED TO GRADE	(S-12)(R-2)(D-1.2.6)	1	EA
857(C)	REMOVABLE PAVEMENT MARKING TAPE		15236	LF
(SP) COT 202	QUICKSET FLOWABLE FILL	(G-1)(D-8)	20	CY

ROADWAY PAY ITEMS AND NOTES			
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107			
DRAWN	MAM	10/24	APPROVED:
DESIGNED	TJR	10/24	
SURVEY	ABW	08/17	
PROJ. MGR.	RF	9/24	
LEAD MGR.	RF	9/24	
FIELD MGR.	RF	9/24	
RECOMMENDED:			
PLAN SCALE			
PROFILE SCALE			
HORIZONTAL:			
VERTICAL:			
DESIGN MANAGER	HASOS-26		
FILE:			
DRAWING:			
ATLAS PAGE NO. 46, 47, 77 & 78			
DATE: 7/11/2026			
SHEET 2 OF 42 SHEETS			



GENERAL CONSTRUCTION NOTES (VERSION DATE: 11/14/2018)

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AS ADOPTED BY CITY OF TULSA, AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
3. PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF TULSA OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
5. THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS; AT&T, PUBLIC SERVICE COMPANY OF OKLAHOMA (AEP), OKLAHOMA NATURAL GAS (ONG), COX COMMUNICATIONS, MCI/VERIZON, EASYTEL COMMUNICATIONS, WELLSCO VALLOR TELECOM, CITY OF TULSA-WATER AND SEWER, CITY OF TULSA-TRAFFIC OPERATIONS. SEE TITLE SHEET FOR CONTACT INFORMATION.
6. THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
7. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
8. THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
9. THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF TULSA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.
10. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK.
11. THE CONTRACTOR SHALL NOTIFY THE CITY OF TULSA FIELD ENGINEERING, 918-596-9404, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO REMOVING TRAFFIC SIGNS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATION 608 TRAFFIC SIGNS. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS.
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAVEMENT REMOVAL AND MILLING AND OVERLAY OPERATIONS.
14. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.
15. ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.
16. ALL BROKEN CONCRETE, WASTE MATERIAL, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
17. ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.
18. ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER IS TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINE IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK. TREES OUTSIDE THE FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.
19. WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION.
20. ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE. ALL DISTURBED ITEMS SHALL BE REPAIRED TO MATCH EXISTING MATERIALS AND PATTERNING.
21. IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN PATCHING STREETS, THE CONTRACTOR SHALL CALL FIELD ENGINEERING AT 918-596-7814 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK.

22. THE PROJECT SHALL BE CONSTRUCTED WITH CONTINUOUS FLOW OF MATERIAL SUPPLIED TO THE PROJECT SUCH THAT THE LAYDOWN MACHINE WILL REMAIN IN MOTION. ANY DELAY IN FORWARD PROGRESSION OF THE LAYDOWN MACHINE MAY REQUIRE A TRANSVERSE JOINT AS DIRECTED BY THE ENGINEER.
23. NO FLY ASH IS ALLOWED TO BE USED ON THIS PROJECT.
24. PHYSICAL TESTING FOR QUALITY ASSURANCE SHALL BE FURNISHED BY THE CITY.
25. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.
26. MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY.
27. ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.
28. NO LIFTING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOXES.
29. CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS.
30. REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
31. ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.
32. THE SIGN PLACEMENT STATIONING AND LOCATIONS SHOWN ON THE PLAN SHEETS AND SUMMARY SHEETS ARE APPROXIMATE. EXACT STATIONING AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH CITY OF TULSA STANDARDS, CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.
33. POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE. EXACT LENGTHS SHALL BE DETERMINED BY A FIELD SURVEY CONDUCTED BY THE CONTRACTOR.
34. ALL ASPHALT STREETS THAT ARE TO BE RECONSTRUCTED SHALL BE LEFT WITH A DRIVABLE SURFACE AT ALL TIMES. THE CONTRACTOR WILL NOT BE ALLOWED TO MILL OFF ALL THE ASPHALT BEFORE EXCAVATION BEGINS.
35. THE CONTRACTOR SHALL REPLACE ANY SECTION CORNERS OR OTHER PERMANENT RIGHT OF WAY MARKERS REMOVED OR DISTURBED AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT. REPLACEMENT OF SECTION CORNERS OR ANY OTHER MONUMENTS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PERFORM WORK IN THE STATE OF OKLAHOMA.
36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF THE STORMWATER DRAINAGE. STORMWATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.
37. STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.
38. THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.
39. PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.
40. ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, PUBLISHED ON [REDACTED] BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
41. ALL TRENCH WIDTHS & BEDDING MATERIAL SHALL BE AS SHOWN ON COT STANDARD PIPE BEDDING DETAIL, STANDARD NO. 751. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED.
42. THE CONTRACTOR SHALL NOTIFY METROLINK TULSA, BILLY NORMAN 918-398-1424, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO DETOURING TRAFFIC.
43. CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.

AUGUST 8, 2023

GENERAL NOTES - ROADWAY			
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0137			
DRAWN	MAM	10/24	APPROVED:
DESIGNED	TJR	10/24	
SURVEY	ABW	08/17	
PROJ. MGR.	RF	4/24	
LEAD MGR.	OD	4/24	
FIELD MGR.	RF	4/24	
RECOMMENDED:			
DESIGN MANAGER			CITY ENGINEER
DATE: 7/14/2023			
ATLAS PAGE NO. 46, 47, 77 & 78			SHEET 3 OF 42 SHEETS

ADVERTISE DATE: _____

REVISION	BY	DATE

PLAN SCALE: _____

PROFILE SCALE: _____

HORIZONTAL: _____

VERTICAL: _____

FILE: _____

DRAWING: _____

DATE: 7/14/2023

ATLAS PAGE NO. 46, 47, 77 & 78

SHEET 3 OF 42 SHEETS

PAY QUANTITIES					
WATERLINE REPLACEMENT					
ITEM NO.	SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
56	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4,5,6,7,22	SY	227
57	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	14,30,31	CY	454
58	COT 303	MOBILIZATION		EA	1
59	COT 304	CONSTRUCTION STAKING LEVEL II		EA	1
60	COT 307	16-INCH DIP, CL51, POLYETHYLENE WRAPPED (RJ)	1,2,3,8,9,11,27,28	LF	340
61	COT 312	16 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2, 8	EA	8
62	COT 312	16 INCH DUCTILE IRON SLEEVE (RJ)	2,8,12	EA	2
63	COT 315	3/4 INCH WATER SERVICE CONNECTION (SHORT)	15,16,17	EA	1
64	COT 317	16 INCH GATE VALVE (RJ)	8	EA	2
65	COT 318	VALVE BOX	21	EA	2
66	COT 318	VALVE BOX EXTENSION	21	EA	2
67	COT 326	STREET WASHDOWN		LF	340
68					
69	COT 327	TRAFFIC CONTROL DEVICES (TYPE III BARRICADE)		SD	100
70	COT 327	TRAFFIC CONTROL DEVICES (DRUMS)		SD	4000
71	COT 327	TRAFFIC CONTROL DEVICES (TYPE "A" WARNING LIGHT)		SD	215
72	COT 327	TRAFFIC CONTROL DEVICES (SIGNS 0.00 SF TO 6.25 SF)		SD	900
73	COT 327	TRAFFIC CONTROL DEVICES (SIGNS 6.25 SF TO 15.99 SF)		SD	325
74	COT 327	TRAFFIC CONTROL DEVICES (SAFETY FENCE)		LF	340
75	COT 329	PAVEMENT, REMOVAL AND REPLACEMENT (CONCRETE)	36,X-1	SY	570
76	COT 330	EROSION CONTROL (SILT FENCE)	32,33	LF	10
77	COT 333	PLUG AND ABANDON WATER MAINS (16")		LF	340
78	COT 334	CONSTRUCTION AS-BUILT	24,25,27	EA	1
79	COT 335	CONTRACTOR QUALITY CONTROL		LSUM	1
80	SPECIAL	OWNER ALLOWANCE	18	EA	50,000
81	325	SEPARATOR FABRIC		SY	831

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

X-1: PAY ITEM SHALL INCLUDE ALL NECESSARY LABOR AND MATERIALS REQUIRED TO REMOVE AND REPLACE APPROXIMATELY 273 LF OF INTEGRAL CURB THAT IS ASSOCIATED WITH THE PATCH.



WATERLINE PAY ITEMS AND NOTES	
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO.144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE, SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 856-0107	
	APPROVED:
DRAWN MAM 10/24	
DESIGNED TJR 10/24	
SURVEY ABW 09/17	
PROJ. MGR. PF 5/24	
LEAD MGR.	
FIELD MGR. [Signature]	
RECOMMENDED:	
[Signature]	
DESIGN MANAGER	CITY ENGINEER
FILE:	DATE: 7/14/2026
ATLAS PAGE NO. 46, 47, 77 & 78 SHEET 4 OF 42 SHEETS	

ADVERTISE DATE:		
REVISION	BY	DATE

PAY ITEM NOTES-WATERLINE

1. TESTING AND CHLORINATION OF WATER MAINS SHALL BE PERFORMED BY THE CITY OF TULSA. TESTING, CHLORINATION, AND FLUSHING SHALL BE DONE IN ACCORDANCE WITH SECTION 109.3 OF THE GENERAL SPECIFICATIONS.
- A. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY PLUGS WITH ADEQUATE BLOCKING OR RESTRAINTS, PLUS CORPORATION STOPS, AS DIRECTED BY CITY TESTING PERSONNEL, THEN, ONCE TESTING, CHLORINATION AND FLUSHING BY CITY PERSONNEL IS COMPLETED, REMOVE TEMPORARY BLOCKING AND TIE INTO EXISTING SYSTEM, USING FITTINGS SWABBED INTERNALLY WITH 2% BLEACH SOLUTION.
- B. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAIN SHALL BE PERFORMED BY CITY PERSONNEL ON MAINS WHICH ARE PHYSICALLY DISCONNECTED FROM THE EXISTING WATER SYSTEM. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAINS SHALL NOT BE PERFORMED AGAINST VALVES WHICH ARE PHYSICALLY CONNECTED TO EXISTING SYSTEM.
- C. ALL COSTS FOR TEMPORARY PLUGS, BLOCKING, RESTRAINING, CORPORATION STOPS, TUBING, THREADED CONNECTIONS, BLEACH AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
2. BURIED BOLTS, HARNESS LUGS, AND COUPLINGS SHALL BE GIVEN TWO COATS OF KOPPER'S BITUMASTIC 300-M (DRY MIL THICKNESS OF 16 MILS) OR EQUAL. COST TO BE INCLUDED IN UNIT PRICE BID FOR PIPE AND FITTINGS.
3. CONTRACTOR TO EXCAVATE ALL UTILITY CROSSINGS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ON THE PROPOSED WATER MAIN TO AVOID UTILITY CONFLICTS. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. COST FOR EXCAVATING UTILITY CROSSINGS SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE.
4. CONTRACTOR SHALL INSURE ALL POLES WHICH ARE AFFECTED BY TRENCHING CONDITIONS ARE BRACED BY OWNERS. PAYMENT SHALL BE INCLUDED IN "RIGHT-OF-WAY CLEARING AND RESTORING". NO ADDITIONAL PAYMENT SHALL BE MADE.
5. ALL HYDRANTS, VALVES AND OTHER FITTINGS FROM ABANDONED WATER MAINS SHALL BE SALVAGED AND DELIVERED TO SOUTH YARD, 2317 S JACKSON. PAYMENT TO BE MADE UNDER RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
6. CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS, ROOF DRAINS, AND FENCING DAMAGED IN THE ZONE OF CONSTRUCTION DURING THE COURSE OF CONSTRUCTION TO SATISFACTION OF THE PROPERTY OWNER. PAYMENT SHALL BE INCLUDED IN RIGHT-OF-WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
7. COST OF ANY TEMPORARY LIVESTOCK FENCING AND POLES SHALL BE INCLUDED IN COST OF RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
8. ALL COSTS FOR COMPONENTS NECESSARY TO RESTRAIN JOINTS FOR PIPE AND FITTINGS DESIGNATED RESTRAINED JOINT ("RJ") SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE OR FITTINGS.
- A. DUCTILE IRON PIPE RESTRAINED JOINT SYSTEMS: US PIPE TRFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, AMERICAN FLEXRING, EBAA MEGALUG, STAR STARGRIP, SMITH-BLAIR CAMLOCK, CLOW TUGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. SHOULD RJ PIPE BE SPECIFIED THROUGH UNCASSED BORES, ONLY US PIPE TRFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, OR AMERICAN FLEXRING IS TO BE USED. LOCKING GASKETS NOT PERMITTED.
- NO ADDITIONAL PAYMENT SHALL BE MADE.
9. ALL CUT ENDS AND WHERE SALVAGED FITTINGS HAVE BEEN REMOVED FROM ABANDONED WATER LINES LEFT IN PLACE, SHALL BE PLUGGED WITH 24-IN OF CONCRETE INSIDE THE PIPE. COST OF CONCRETE PLUGGING TO BE INCLUDED IN UNIT PRICE BID FOR PIPE. NO ADDITIONAL PAYMENT SHALL BE MADE.
10. OMITTED
11. DETECTABLE MYLAR MARKING TAPE SHALL BE INSTALLED OVER DUCTILE IRON PIPE AS PER CONST SPEC 307.3 AND 307.4. COST WILL BE INCLUDED IN COST OF DUCTILE IRON PIPE.
12. ALL LABOR, MATERIALS, AND EQUIPMENT TO CONNECT PROPOSED WATER MAINS TO EXISTING WATER MAINS ARE INCLUDED IN COST OF SLEEVES/ADAPTORS. CONTRACTOR TO EXCAVATE ALL EXISTING WATER MAINS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ACCORDINGLY. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. COST FOR EXCAVATING EXISTING WATER MAINS SHALL BE INCLUDED IN UNIT PRICE BID FOR SLEEVES. NO ADDITIONAL PAYMENT SHALL BE MADE.
13. OMITTED
14. CONTRACTOR IS REMINDED TO BACKFILL ALL TRENCHES EXCAVATED ACROSS ANY EXISTING OR PROPOSED DRIVING OR PARKING SURFACE WITH 1 1/2-IN TYPE A AGGREGATE BASE, PLACED IN 8-INCH MAXIMUM LIFTS AND COMPACTED TO 98% MODIFIED PROCTOR DENSITY. COST TO BE INCLUDED IN COST OF EXCAVATION AND BACKFILL. NO ADDITIONAL PAYMENT SHALL BE MADE.
15. WATER SERVICE CONNECTIONS SHALL INCLUDE COST OF MATERIAL, LABOR AND EQUIPMENT TO REMOVE AND INSTALL SADDLES, SERVICE CLAMPS, CORPORATION STOPS, BENDS, 3-PART UNIONS, COUPLINGS, SETTERS AND ANY OTHER INCIDENTALS REQUIRED FOR A COMPLETE WATER SERVICE CONNECTION WITH EXCEPTION OF METER CANS, RIMS AND LIDS. NO ADDITIONAL PAYMENT SHALL BE MADE. METER CANS, LIDS AND RIMS SHALL BE PAID AS A SEPARATE BID ITEM.
- A. SHORT SERVICE SHALL BE ANY SERVICE LINE THAT IS 25-FEET OR LESS IN LENGTH. SHORT SERVICES DO NOT INCLUDE PAVEMENT REPLACEMENT. I.E. 3/4-INCH WATER SERVICE CONNECTIONS (SHORT SERVICE)
- B. LONG SERVICE SHALL BE ANY SERVICE LINE THAT IS GREATER THAN 25-FEET UP TO 80-FEET IN LENGTH. LONG SERVICES INCLUDE PAVEMENT REPLACEMENT AND/ OR COST TO BORE. EXAMPLE: 3/4-IN WATER SERVICE CONNECTIONS (LONG SERVICE)
- C. SHORT AND LONG SERVICE LINES EXCEEDING THE ABOVE PARAMETERS WILL BE COMPENSATED FOR LINEAR FOOTAGE ABOVE AND BEYOND. COMPENSATION SHALL BE PAID AS "SERVICE LINES, EXTENSION", PER LF

PAY ITEM NOTES-WATERLINE-CONTINUED

16. SERVICE LINES ON NON-ARTERIALS SHALL BE EITHER COPPER TUBING (TYPE K SOFT ANNEALED CONFORMING TO ASTM B 88) OR PEX TUBING (UPON OR AQUA PEX 5206 BLUE CONFORMING TO ASTM F876/F877/F2023). PEX TUBING IS NOT PERMITTED WITHIN ARTERIAL RIGHT OF WAY. WHEN CONTRACTOR ELECTS TO USE PEX TUBING:
- A. 3/4-INCH WATER SERVICE CONNECTION SHALL USE 1-INCH PEX TUBING MINIMUM
- B. 1-INCH WATER SERVICE CONNECTION SHALL USE 1 1/4-INCH PEX TUBING MINIMUM
17. CONTRACTOR'S PLUMBER SHALL PROVIDE AN INFORMATIONAL BROCHURE TO THE PROPERTY OWNERS OUTLINING THE STEPS REQUIRED TO THOROUGHLY FLUSH THEIR WATERLINES AFTER CONNECTION TO THE NEW WATER MAIN. ALL COSTS TO PRODUCE AND DISTRIBUTE THE BROCHURE SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM.
18. THE "OWNER ALLOWANCE" CAN BE USED FOR VARIOUS WORK AND MISCELLANEOUS ITEMS NOT IDENTIFIED IN THE CONTRACT DOCUMENTS WITH THE FOLLOWING PROVISIONS: THE ALLOWANCE SHALL BE USED FOR COST OF MATERIALS, LABOR, INSTALLATION AND OVERHEAD AND PROFIT FOR ADDITIONAL WORK AND MISCELLANEOUS ITEMS THAT ARE NOT IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND PLANS, AND NOT INCLUDED IN THE BID ITEMS OF THE CONTRACT.
- A. THE ALLOWANCE SHALL BE USED ONLY AT THE DISCRETION OF THE CITY. ANY ALLOWANCE BALANCE REMAINING AT THE COMPLETION OF THE PROJECT WILL BE CREDITED BACK TO THE CITY ON THE FINAL APPLICATION FOR PAYMENT SUBMITTED BY THE CONTRACTOR.
- B. THE CONTRACTOR SHALL PROVIDE, TO THE CITY, A WRITTEN REQUEST FOR THE USE OF ANY ALLOWANCE, WITH A SCHEDULE OF VALUES, AND ALL ASSOCIATED BACKUP INFORMATION, INCLUDING ANY TIME EXTENSIONS REQUIRED TO PERFORM THE WORK.
- C. THE CONTRACTOR SHALL PROCEED WITH THE WORK INCLUDED IN THE ALLOWANCE ONLY AFTER RECEIVING A WRITTEN ORDER, FROM THE ENGINEER AND CITY AUTHORIZING SUCH WORK. PROCEEDING WITH WORK IN THE ALLOWANCE WITHOUT A WRITTEN ORDER FROM THE CITY WILL BE AT THE CONTRACTOR'S EXPENSE.
19. OMITTED
20. OMITTED
21. TOP OF VALVE BOX SHALL BE FLUSH WITH FINISHED GRADE.
22. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING IMPROVEMENTS. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTORS EXPENSE. STREETS, DRIVEWAYS AND ASSOCIATED ITEMS SHALL BE PAID FOR UNDER OTHER ITEMS OF WORK.
23. OMITTED
24. SPOT ELEVATIONS ON THE MAIN WATER LINE RELATIVE TO FINISHED GRADE SHALL BE PROVIDED AT EACH 100-FT INTERVAL, COMPLETE WITH STATION AND OFFSET. IN ADDITION, ALL VALVES, FITTINGS, FIRE HYDRANTS (TOP OF NJT) AND OTHER MAJOR APPURTENANT ITEMS SHALL BE SHOWN WITH THE PROPER DESCRIPTION, STATION, OFFSET (NORTHING, EASTING) AND ELEVATION PER PLAN SURVEY CONTROL DATUM.
25. SPOT ELEVATIONS ON WATER METER CANS, VAULTS, SHALL BE SHOWN WITH THE PROPER DESCRIPTION (METER TYPE, METER SIZE, METER NUMBER, SERVICE MATERIAL, SERVICE SIZE), STATION, OFFSET (NORTHING, EASTING) AND ELEVATION PER PLAN SURVEY CONTROL DATUM. UPON DISCOVERY OF A LEAD SERVICE, NOTIFICATION SHALL BE MADE TO WATER DISTRIBUTION AND WORK SHALL CEASE UNTIL RELEASED AT WHICH TIME ANY AND ALL SERVICE LINES LOCATED THAT ARE LEAD OR GALVANIZED ARE TO BE REPLACED WITH APPROVED MATERIALS.
26. OMITTED
27. PRESSURE TESTING AND CHLORINATION OF WATER MAINS SHALL NOT BE PERFORMED UNTIL THE CITY INSPECTOR HAS RECEIVED REQUIRED CONSTRUCTION AS-BUILT RECORDS.
28. MARKER BALLS SHALL BE INSTALLED ABOVE ALL FITTINGS, BLIND FLANGES, SERVICE TAPS AND EVERY 100 FEET, IF THE DISTANCE BETWEEN FITTINGS IS GREATER THAN 100 FEET. COST OF MARKER BALLS SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE. MARKERS SHALL BE VIVAX WATER MARKER BALLS OR EQUAL THAT WORK WITH THE VIVAX VLOC3 -PRO RECEIVER AND LOC3-10TX TRANSMITTER.
29. OMITTED
30. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 701 - 702, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.
31. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 703 - 704, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.
32. 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.
33. 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 TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY.
- C. FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS.
- D. WITH PERIODIC REMOVAL OF SEDIMENT IN ACORDANCE WITH STORMWATER MANAGEMENT PLAN.
- E. ALL COSTS FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.
34. OMITTED
35. OMITTED
36. PAVEMENT REMOVAL AND REPLACEMENT: THIS PAY ITEM SUPERSEDES CITY OF TULSA STANDARD SPECIFICATION SECTION 329.6, WITH RESPECT TO SAW CUTTING, DOWELS, DISPOSAL OF BROKEN PAVEMENT, TEMPORARY SURFACES, ASSOCIATED EXCAVATION, PREPARATION OF SUBGRADE, FORMS OR REINFORCING, REMOVAL OR REPLACEMENT OF GRAVEL, ADDITIONAL SAW CUTTING OR REPLACEMENT OF PAVEMENT DAMAGED BY THE CONTRACTOR, JOIN SEALER, TACK COATS OR EDGE SEALING.

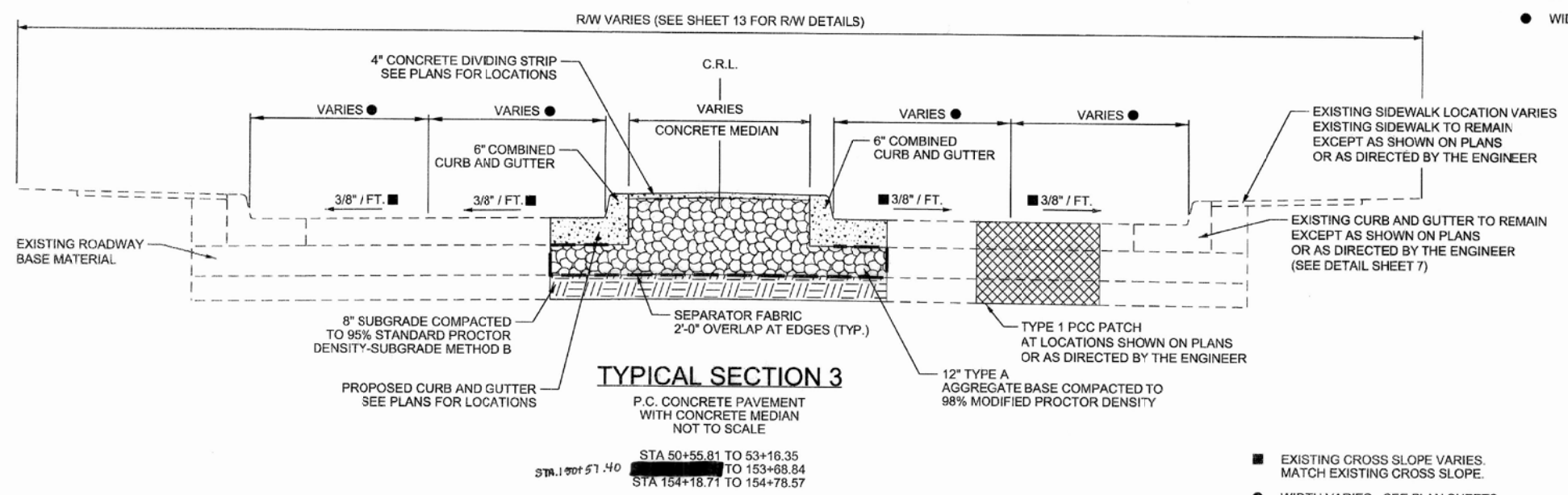
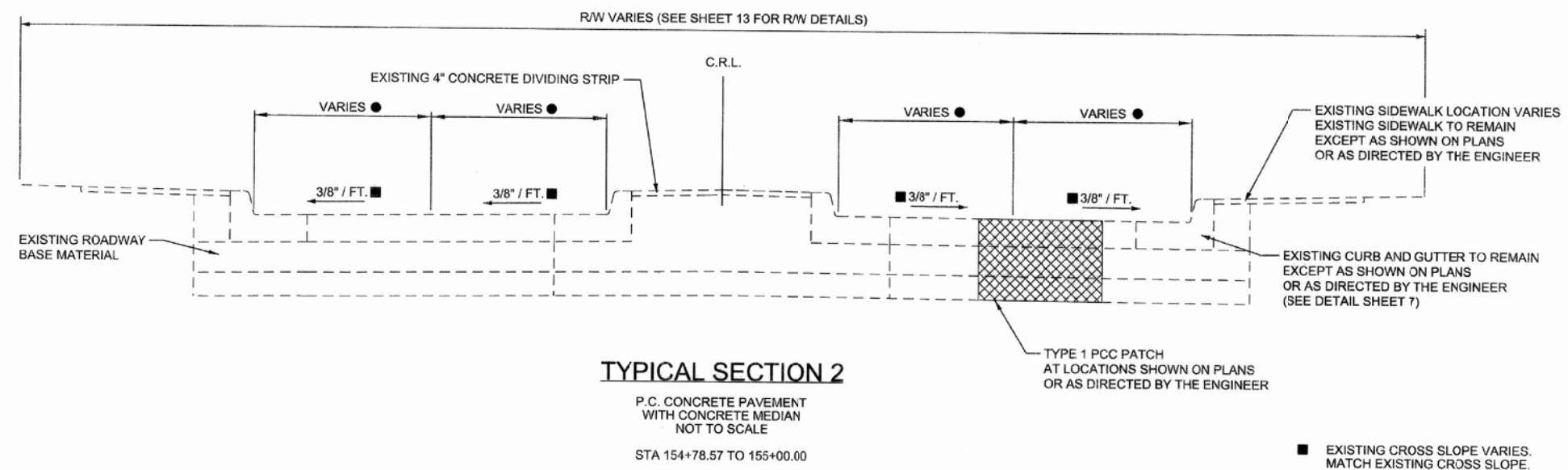
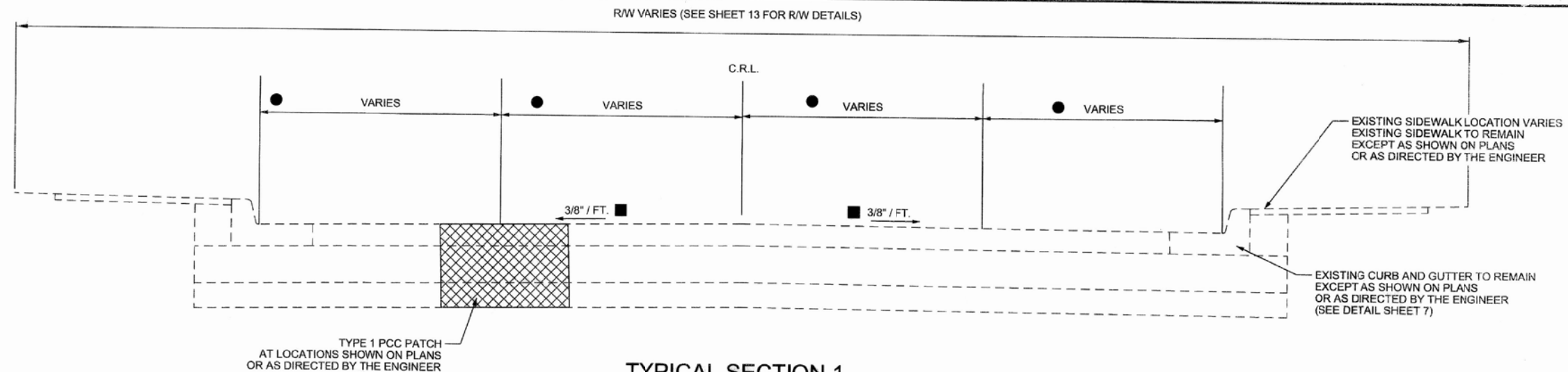
GENERAL CONSTRUCTION NOTES-WATERLINE

1. THE CITY OF TULSA FIELD ENGINEERING DEPARTMENT SHALL INSPECT ALL TRENCHING, BEDDING, PIPE INSTALLATION, BACKFILL AND COMPACTION.
2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT STANDARD SPECIFICATIONS AND STANDARD DETAILS, CITY OF TULSA ENGINEERING SERVICES DEPARTMENT.
3. EXISTING SERVICE CONNECTIONS ARE TO BE KEPT IN SERVICE UNTIL CONNECTIONS TO NEW MAIN ARE MADE. ALL SERVICE LINE RECONNECTIONS SHALL BE MADE BY THE CONTRACTOR. SERVICE RECONNECTIONS SHALL BE INSTALLED AS PER CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS.
4. MINIMUM COVER OVER WATER LINES SHALL BE AS NOTED ON PLANS.
5. CONTRACTOR SHALL REPLACE EXISTING GRASS WITH SEED/SOD OF SAME TYPE AND VARIETY OR AS NOTED ON PLANS.
6. CONTRACTOR SHALL BORE EXISTING TREES UNDER DRIP LINE, UNLESS DIRECTED OTHERWISE BY ENGINEER.
7. CONTRACTOR SHALL BORE EXISTING DRIVEWAYS, UNLESS DIRECTED OTHERWISE BY ENGINEER.
8. WATER OPERATIONS SHALL OPERATE ALL VALVES ON TRANSMISSION MAINS (16" AND LARGER). CONTRACTOR SHALL OPERATE ALL VALVES ON DISTRIBUTION MAINS (SMALLER THAN 16") WITH THE COORDINATION OF FIELD ENGINEERING AND WATER OPERATIONS AND IN THE PRESENCE OF A FIELD ENGINEERING INSPECTOR.
- A. ATTEMPTS WILL BE MADE WITH ASSISTANCE FROM THE CONTRACTOR TO NOTIFY ALL AFFECTED CUSTOMERS 48-HOURS IN ADVANCE, PARTICULARLY IF COMMERCIAL OR INDUSTRIAL CUSTOMERS ARE INVOLVED. PRIOR TO SHUTDOWN, FIELD ENGINEERING WILL NOTIFY WATER OPERATIONS, AT 918-596-9488, GIVING AN ESTIMATED DOWNTIME. WATER OPERATIONS WILL NOTIFY THE FIRE DEPARTMENT OF ALL FIRE HYDRANTS OUT OF SERVICE AND WHEN THEY ARE BACK IN SERVICE, BY STREET ADDRESS OR INTERSECTION.
- B. WHERE COMMERCIAL, INDUSTRIAL, OR CRITICAL CUSTOMERS ARE AFFECTED, AND FOR ALL LINES 16-INCH AND LARGER IN SIZE, FIELD ENGINEERING WILL REQUEST WATER OPERATIONS TO SHUT DOWN THE MAIN. THERE WILL BE A MINIMUM OF 48-HOUR NOTICE TO WATER OPERATIONS.
9. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO ALL RESIDENTS OR BUSINESSES AFFECTED BEFORE TURNING OFF ANY WATER. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING DOOR HANGERS ON AFFECTED HOMES AND BUSINESSES.
10. CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF THE OKLAHOMA ONE-CALL SYSTEM, INC, NOTICE OF ANY EXCAVATION NO SOONER THAN 48 HOURS OR LATER THAN 10 DAYS, EXCLUDING SATURDAYS, SUNDAYS, LEGAL HOLIDAYS PRIOR TO COMMENCEMENT OF WORK, PHONE 1-800-522-6543.
11. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH PROJECT AT ALL TIMES. OPEN CUT STREET CROSSINGS REQUIRE AN APPROVED TRAFFIC CONTROL PLAN WITH TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH CURRENT MUTCD REQUIREMENTS.
12. ANY DAMAGE CAUSED BY CONTRACTOR TO ADJACENT TRAFFIC SIGNAL INFRASTRUCTURE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE TRAFFIC ENGINEER.
13. PRIOR TO PAVEMENT SAWING AND EXCAVATION NEAR SIGNALIZED INTERSECTION, CONTRACTOR SHALL CONTACT ENGINEERING SERVICES, TRAFFIC OPERATIONS, 918-596-9766, FOR SITE SPECIFIC, UNDERGROUND TRAFFIC UTILITY LOCATES.
14. CONSTRUCTION FOR ALL ENGINEERING SERVICES FACILITIES SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF TITLE 252, DEPARTMENT OF ENVIRONMENTAL QUALITY, CHAPTER 626, PUBLIC WATER SUPPLY CONSTRUCTION STANDARDS, OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ).
15. ALL EXCAVATED MATERIAL NOT REQUIRED IN OTHER AREAS OF 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 SHALL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY EXCESS MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS OF TULSA.
16. ANY CHANGES FROM APPROVED PLANS SHALL BE SUBMITTED TO THE CITY OF TULSA FOR WRITTEN APPROVAL PRIOR TO INSTALLATION.
17. CONTRACTOR SHALL NOTIFY CITY OF TULSA UTILITY COORDINATION 72 HOURS IN ADVANCE FOR A UTILITY POLE BRACING TRUCK.



ADVERTISE DATE:		
REVISION	BY	DATE

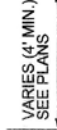
PAY ITEM AND GENERAL NOTES - WATERLINE				
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE, SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 556-0107				
DRAWN: MAM 10/24		APPROVED:		
DESIGNED: TJR 10/24				
SURVEY: ABW 06/17				
PROJ. MGR: JF 07/18				
LEAD MGR: JF 07/18		PLAN SCALE: FIELD MGR: JF 07/18	RECOMMENDED: JF 07/18	
PROFILE SCALE: HORIZONTAL: JF 07/18				
FILE: DESIGN MANAGER: JF 07/18		DATE: 7/14/2024		
DRAWING: JF 07/18		SHEET 5 OF 42 SHEETS		
ATLAS PAGE NO. 46, 47, 77 & 78				



TYPICAL SECTIONS AND DETAILS (SHEET 1 OF 2)				
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5822 TULSA, OKLAHOMA 74136 Fax: (918) 656-0137				
	DRAWN	MAM	10/24	APPROVED:
	DESIGNED	TJR	10/24	
	SURVEY	ABW	08/17	
	PROJ. MGR.	RF	9/24	
	LEAD MGR.	DD	9/24	
	FIELD MGR.	DD	9/24	
RECOMMENDED:				
PLAN SCALE				VERTICAL:
PROFILE SCALE				
HORIZONTAL:				FILE:
ADVERTISE DATE:				
REVISION	BY	DATE	DRAWING:	
			ATLAS PAGE NO. 46, 47, 77 & 78	
			SHEET 6 OF 42 SHEETS	

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 CTC\Garver

OPTIONAL INTEGRAL CURB
TO BE USED AT FIELD ENGINEER'S
DISCRETION (INCLUDED IN
THE COST OF SIDEWALK)



MATCH EXISTING ELEVATION



NOT TO SCALE

* SEE COT STD 790 FOR
SIDEWALK RAMP DETAILS



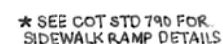
NOT TO SCALE

NOT TO SCALE
SEE COT STD 725

NOT TO SCALE
SEE COT STD 725

NOTE:

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



NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE



TYPICAL SECTIONS AND DETAILS
(SHEET 2 OF 2)

ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



PLANS AND ESTIMATES PREPARED BY:

6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-3922
TULSA, OKLAHOMA 74136 Fax: (918) 858-6107

DRAWN	MAM	10/24
DESIGNED	TJR	10/24
SURVEY	ABW	06/17
PROJ. MGR.	RF	9/16
LEAD MGR.	JD	1/14
FIELD MGR.	JRM	4/26
RECOMMENDED:		

APPROVED:


J. S. S. S.

PLAN SCALE

PROFILE SCALE

HORIZONTAL:

VERTICAL:

HAS 05-26 DESIGN MANAGER	CITY ENGINEER
FILE:	DRAWING:
DATE: 7/14/2026	
SHEET 7 OF 42 SHEETS	

ATLAS PAGE NO. 46, 47, 77 & 78

SUMMARY OF SURFACING QUANTITIES											
SHEET	AGGREGATE BASE 303(A)	SUBGRADE, METHOD B 310(B)	SEPARATOR FABRIC 325	COMBINED CURB AND GUTTER (6" BARRIER) 609(B)	CONCRETE SIDEWALK (4") 610(A)	DECORATIVE CONCRETE SIDEWALK (4") 610(A)	4" CONCRETE DIVIDING STRIP 610(C)	TYPE 1 PCC PATCH	TYPE 'A' CURB RAMP	TYPE 'B' CURB RAMP	TYPE 'D' CURB RAMP
	CY	SY	SY	LF	SY	SY	SY	CY	EA	EA	EA
17	29	4	184	8	32	5	-	21	-	1	-
18	172	20	630	9	10	-	158	18	1	-	-
19	471	53	1890	34	169	12	-	340	5	-	3
20	506	51	2071	141	294	137	106	290	3	1	1
21	273	31	875	-	80	-	159	108	-	1	-
TOTAL:	1461	165	5656	198	585	154	425	766	9	3	4

SUMMARY OF REMOVALS				
SHEET	REMOVAL OF CONCRETE DRIVEWAY 619(B)	REMOVAL OF CURB AND GUTTER 619(B)	REMOVAL OF SIDEWALK 619(B)	REMOVAL OF 4" CONCRETE DIVIDING STRIP 619(B)
	SY	LF	SY	SY
17	-	18	35	-
18	-	533	18	125
19	-	72	183	-
20	18	318	458	37
21	-	265	79	157
TOTAL:	18	1207	773	319

COMBINED CURB AND GUTTER (6" MOUNTABLE) 609(B)
LF
-
526
-
465
268
TOTAL: 1260

SUMMARY OF EARTHWORK QUANTITIES			
SHEET	UNCLASSIFIED EXCAVATION 202(A)	UNCLASSIFIED BORROW 202(C)	WASTE
	C.Y.	C.Y.	C.Y.
17	202.0		
18	171.0		
19	3285.0		
20	2712		
21	1049.0		
TOTAL:	7419	0.0	7419

SUMMARY OF EROSION CONTROL								
PLAN AND PROFILE SHEET	TEMPORARY					PERMANENT		
	*SEDIMENT FILTER	*SEEDING METHOD B	*VEGETATIVE MULCHING	*FERTILIZING (10-20-10)	*FERTILIZING (0-46-0)	SOLID SLAB SODDING 230(A)	*FERTILIZING (10-20-10)	*WATERING
	EA	AC	AC	TON	TON	SY	TON	K GAL
17	-	0.01	0.01	0.00	0.00	27	0.00	1.1
18	5	0.01	0.00	0.00	0.00	16	0.00	0.6
19	-	0.06	0.03	0.01	0.00	142	0.01	5.7
20	-	0.07	0.03	0.01	0.01	166	0.02	6.6
21	-	0.02	0.01	0.00	0.00	52	0.01	2.1
TOTAL:	5	0.17	0.08	0.02	0.01	403	0.04	16.12

* FOR CONTRACTORS INFORMATION ONLY, COST TO BE INCLUDED IN THE PRICE BID FOR OTHER WORK.



ROADWAY SUMMARY TABLES	
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107	
	DESIGNED TJR 10/24 SURVEY ABW 08/17 PROJ. MGR. RE 9/26 LEAD MGR. 9/26 FIELD MGR. 10/26
PLAN SCALE PROFILE SCALE HORIZONTAL:	APPROVED: DATE: 7/19/2016 SHEET 8 OF 42 SHEETS

ADVERTISE DATE:	BY	DATE
REVISION		
FILE:	DRAWING:	DATE:
ATLAS PAGE NO. 46, 47, 77 & 78		

SUMMARY OF SIGNS									
STREET	APPROX. STATION	SIDE	TYPE OF SIGN	SIGN DIMENSION (INCHES)	SHEET ALUMINUM SIGN (SQ. FT.)	1-1/2" SIGN POST (LF)	1-3/4" SIGN POST (LF)	2" SIGN POST (LF)	ACTION
N. PEORIA AVE.	47+17.00	LT	M3-3P (CARDINAL DIRECTION (SOUTH))	24 X 12	2.00	-	12.25	3.00	REMOVE AND REPLACE
			M1-4 (U.S. ROUTE (75))	24 X 24	4.00				REMOVE AND REPLACE
			M6-1R (DIRECTIONAL ARROW)	21 X 15	2.19				REMOVE AND REPLACE
	47+20.00	RT	MORTON COMPREHENSIVE HEALTH CENTER	24 X 48	8.00	-	24.00	6.00	REMOVE AND REPLACE
	50+77.00	LT	R3-7 (RIGHT LANE MUST TURN RIGHT)	36 X 36	9.00	-	11.00	3.00	PLACE
	51+59.00	LT	R3-7 (RIGHT LANE MUST TURN RIGHT)	- X -	-	-	-	-	REMOVE
	52+50.00	LT	R3-7 (RIGHT LANE MUST TURN RIGHT)	36 X 36	9.00	-	11.00	3.00	PLACE
	52+36.00	RT	R2-1 (SPEED LIMIT (40))	30 X 36	7.50	-	11.00	3.00	REMOVE AND REPLACE
	52+92.00	LT	MORTON COMPREHENSIVE HEALTH CENTER	24 X 48	8.00	-	24.00	6.00	REMOVE AND REPLACE
	53+03.00	CTR	R4-7 (KEEP RIGHT)	- X -	-	-	-	-	REMOVE
			NEIGHBORHOOD SIGN	- X -	-	-	-	-	REMOVE AND RESET
			BLACK LIVES MATTER ST	- X -	-	-	-	-	REMOVE AND RESET
			D3-1 (N PEORIA AV)	36 X 9	2.25	2.75	10.50	3.00	REMOVE AND REPLACE
			D3-1 (E PINE PL 1300)	30 X 9	1.88				REMOVE AND REPLACE
E PINE ST.	143+20.00	LT	R1-1 (STOP)	30 X 30	6.25				REMOVE AND REPLACE
			NEIGHBORHOOD SIGN	- X -	-				REMOVE AND RESET
			D3-1 (E PINE ST)	30 X 9	1.88	2.00	10.50	3.00	REMOVE AND REPLACE
			D3-1 (N NORFOLK AV 1500)	42 X 9	2.63				REMOVE AND REPLACE
			R1-1 (STOP)	30 X 30	6.25				REMOVE AND REPLACE
	143+54.00	RT	D3-1 (E PINE ST)	30 X 9	1.88				REMOVE AND REPLACE
			D3-1 (N NORFOLK AV 1500)	42 X 9	2.63				REMOVE AND REPLACE
			R1-1 (STOP)	30 X 30	6.25				REMOVE AND REPLACE
	145+46.00	LT	BUS STOP	- X -	-	-	-	-	LEAVE AS IS
	146+70.00	LT	R2-1 (SPEED LIMIT (40))	30 X 36	7.50	-	11.00	3.00	REMOVE AND REPLACE
	146+73.00	RT	KENNY MONDAY (ORANGE, OLYMPIC RINGS)	- X -	-	2.00	10.50	3.00	REMOVE AND RESET
			D3-1 (E PINE ST)	30 X 9	1.88				REMOVE AND REPLACE
			D3-1 (N OWASSO AV 1500)	36 X 9	2.25				REMOVE AND REPLACE
			R1-1 (STOP)	30 X 30	6.25				REMOVE AND REPLACE
	147+76.00	LT	R9-20 (BICYCLES ALLOWED USE OF FULL LANE)	30 X 30	6.25	-	10.50	3.00	REMOVE AND REPLACE
	148+24.00	LT	GILCREASE MUSEUM	- X -	-	-	-	-	LEAVE AS IS
	148+30.00	RT	R4-4 (BEGIN RIGHT TURN LANE YIELD TO BIKES)	- X -	-	-	-	-	REMOVE
	148+67.00	LT	MORTON COMPREHENSIVE HEALTH CENTER	24 X 48	8.00	-	24.00	6.00	REMOVE AND REPLACE
	148+74.00	RT	R3-7 (RIGHT LANE MUST TURN RIGHT)	36 X 36	9.00	-	11.00	3.00	REMOVE AND REPLACE
	150+75.00	LT	R3-7 (RIGHT LANE MUST TURN RIGHT)	36 X 36	9.00	-	11.00	3.00	PLACE
	151+00.00	LT	R3-7 (RIGHT LANE MUST TURN RIGHT)	- X -	-	-	-	-	REMOVE
	151+13.00	RT	R9-20 (BICYCLES ALLOWED USE OF FULL LANE)	30 X 30	6.25	-	10.50	3.00	REMOVE AND REPLACE
	151+35.00	RT	BUS STOP	- X -	-	-	-	-	LEAVE AS IS
	152+09.00	LT	R3-7 (RIGHT LANE MUST TURN RIGHT)	36 X 36	9.00	-	11.00	3.00	REMOVE AND REPLACE
	152+54.00	LT	R4-4 (BEGIN RIGHT TURN LANE YIELD TO BIKES)	- X -	-	-	-	-	REMOVE
	153+13.00	LT	R1-2 (YIELD)	36 X 36 X 36	3.90	-	11.00	3.00	REMOVE AND REPLACE
	153+53.00	CTR	R4-7 (KEEP RIGHT)	- X -	-	-	-	-	REMOVE
	153+57.00	LT	GILCREASE MUSEUM	- X -	-	-	-	-	LEAVE AS IS
	153+62.00	LT	R6-1 (ONE WAY)	48 X 18	6.00	2.00	11.00	3.00	REMOVE AND REPLACE
			R6-1 (ONE WAY)	48 X 18	6.00				REMOVE AND REPLACE
			R5-1 (DO NOT ENTER)	36 X 36	9.00				REMOVE AND REPLACE
			R1-1 (STOP)	36 X 36	9.00				REMOVE AND REPLACE
	153+77.00	RT	R2-1 (SPEED LIMIT (40))	30 X 36	7.50	-	11.00	3.00	REMOVE AND REPLACE
	153+90.00	LT	R6-1 (ONE WAY)	48 X 18	6.00	2.00	11.00	3.00	REMOVE AND REPLACE
			R6-1 (ONE WAY)	48 X 18	6.00				REMOVE AND REPLACE
			R5-1 (DO NOT ENTER)	36 X 36	9.00				REMOVE AND REPLACE
			R1-1 (STOP)	36 X 36	9.00				REMOVE AND REPLACE
	153+98.00	LT	R3-1 (NO RIGHT TURN)	36 X 36	9.00	-	11.00	3.00	REMOVE AND REPLACE
TOTALS:					228.00	13.00	280.00	75.00	



SIGN SUMMARY	
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-4922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107	
	DESIGNED T.J.R. 10/24
	SURVEY ABW 08/17
	PROJ. MGR. AC 5/20
	LEAD MGR. SB 07/21
PLAN SCALE	FIELD MGR. PM 4/24
PROFILE SCALE	RECOMMENDED:
HORIZONTAL:	
VERTICAL:	HAS 05-26
FILE:	DESIGN MANAGER
DRAWING:	CITY ENGINEER
DATE: 7/17/2026	
ATLAS PAGE NO. 46, 47, 77 & 78	SHEET 9 OF 42 SHEETS

ADVERTISE DATE:		
REVISION	BY	DATE

WATERLINE SERVICE CONNECTION						
STATION	SIDE OF STREET	RESET OR RECONNECT	SIZE	ADDRESS	SERVICE LINE MATERIAL - CITY SIDE	SERVICE LINE MATERIAL - PRIVATE SIDE
150+73	SHORT	RECONNECT	3/4"	1441 N PEORIA AVE		

SUMMARY OF VALVES & HYDRANTS					
STATION	OFFSET	NORTHING	EASTING	FL ELEV.	DESCRIPTION
150+46.07	31.32' RT	434623.17	2565872.28	688.00	16" GATE VALVE
153+85.58	32.06' RT	434634.43	2566211.82	695.50	16" GATE VALVE

REQUIRED RESTRAINED LENGTH ON BOTH SIDES OF FITTINGS			
FITTING	6" RESTRAINED JOINT LENGTH (FEET)	12" RESTRAINED JOINT LENGTH (FEET)	16" RESTRAINED JOINT LENGTH (FEET)
11.25° HORIZONTAL	2	3	4
22.5° HORIZONTAL	3	5	7
45° HORIZONTAL	6	11	14
45° VERTICAL	29	53	68
90° HORIZONTAL	14	25	32
DEAD END/VALVE	69	128	164
CALCULATED USING THRUST RESTRAINT CALCULATOR FOUND HERE: https://rlc.ebaa.com/calculator.php			
INPUTS: POLY WRAPPED DIP, GC, 1.5 TO 1 SAFETY FACTOR, TYPE 5 TRENCH, 4' BURY DEPTH, 150 PSI			

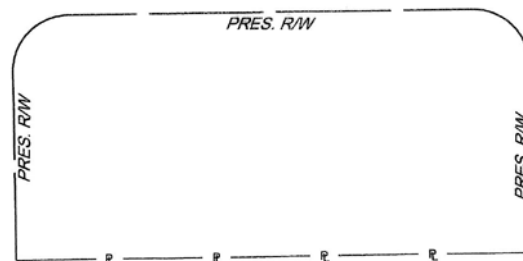


WATERLINE - VALVES AND HYDRANT TABLES			
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 552-0107			
	DRAWN	MAM	10/24
	DESIGNED	TJR	10/24
	SURVEY	ABW	06/17
	PROJ. MGR.	RT	5/26
	LEAD MGR.	RT	4/26
PLAN SCALE	FIELD MGR. RT 4/26		
PROFILE SCALE	RECOMMENDED:		
HORIZONTAL:	VERTICAL:		
DESIGN MANAGER		CITY ENGINEER	
FILE:	DRAWING:	DATE: 7/14/2011	
ATLAS PAGE NO. 46, 47, 77 & 78		SHEET 10 OF 42 SHEETS	

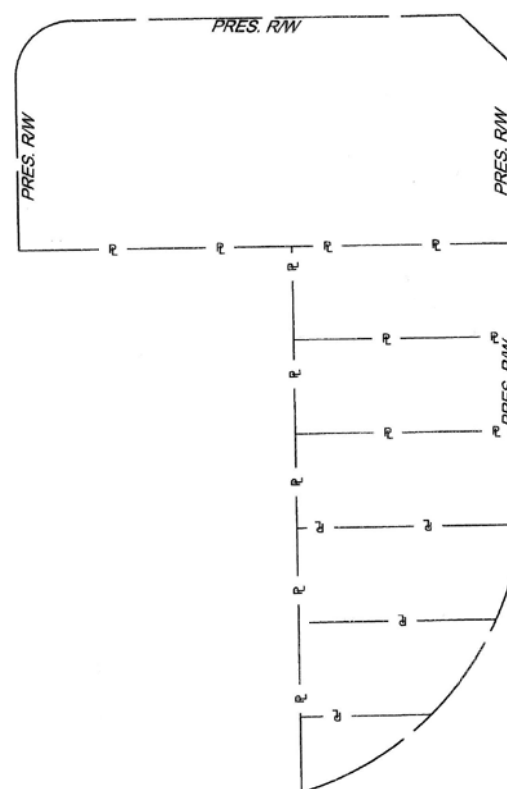
ADVERTISE DATE:		
REVISION	BY	DATE

140+00
 141+00
 142+00
 143+00

N. NORFOLK AVE



N. OWASSO AVE



E. PINE PL.



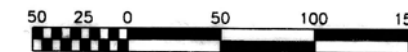
E. PINE ST.

Section 25, T20N-R13E
 Section 36, T20N-R12E
 SECTION LINE - 2645.28'
 S88°51'12.61"W
 CRL - 1000'
 N88°51'12.61"E
 P.O.B. STA. 140+00.00
 E. PINE ST. CRL
 N=434635.19
 E=2564926.00

N. PEORIA AVE

Section 26, T20N-R13E
 Section 30, T20N-R13E
 SECTION LINE - 2644.17'
 S1°10'3.17"E
 CRL - 500'
 N1°10'3.17"W
 Section 36, T20N-R12E
 Section 31, T20N-R13E
 SECTION LINE - 2641.48'
 S1°19'6.88"E
 CRL - 500'
 N1°19'6.88"W

55+00
 P.O.E. STA. 55+00.00
 N. PEORIA AVE CRL
 N=435155.10
 E=256591.61



SCALE: 1" = 50'



54+00

53+00

52+00

151+00
 51+00
 152+00
 153+00

154+00

155+00

50+00

CRL - 500'
 N88°1'34.23"E

SECTION LINE - 2483.84'
 N88°1'34.23"E

Section 30, T20N-R13E
 Section 31, T20N-R13E

P.I. STA. 50+00.00
 N. PEORIA AVE, CRL
 P.I. STA. 150+00.00
 E. PINE ST. CRL =
 N=434655.20
 E=2565926.80
 49+00

P.O.B. STA. 155+00.00
 E. PINE ST. CRL
 N=434672.42
 E=2566425.50

48+00

47+00

46+00

P.O.B. STA. 45+00.00
 N. PEORIA AVE CRL
 N=434155.30
 E=2565935.85
 45+00



GEOMETRIC LAYOUT			
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-1107			
 PLAN SCALE 1" = 50' PROFILE SCALE HORIZONTAL: N/A VERTICAL: N/A FILE: ATLAS PAGE NO. 46, 47, 77 & 78	DRAWN	MAM	10/24
	DESIGNED	TJR	10/24
	SURVEY	ABW	08/17
	PROJ. MGR.	RF	4/24
	LEAD MGR.	RF	4/24
	FIELD MGR.	RF	4/24
	RECOMMENDED:		
	HAC 05-26		
	DESIGN MANAGER		
	DATE: 7/14/2026		
	SHEET 11 OF 42 SHEETS		

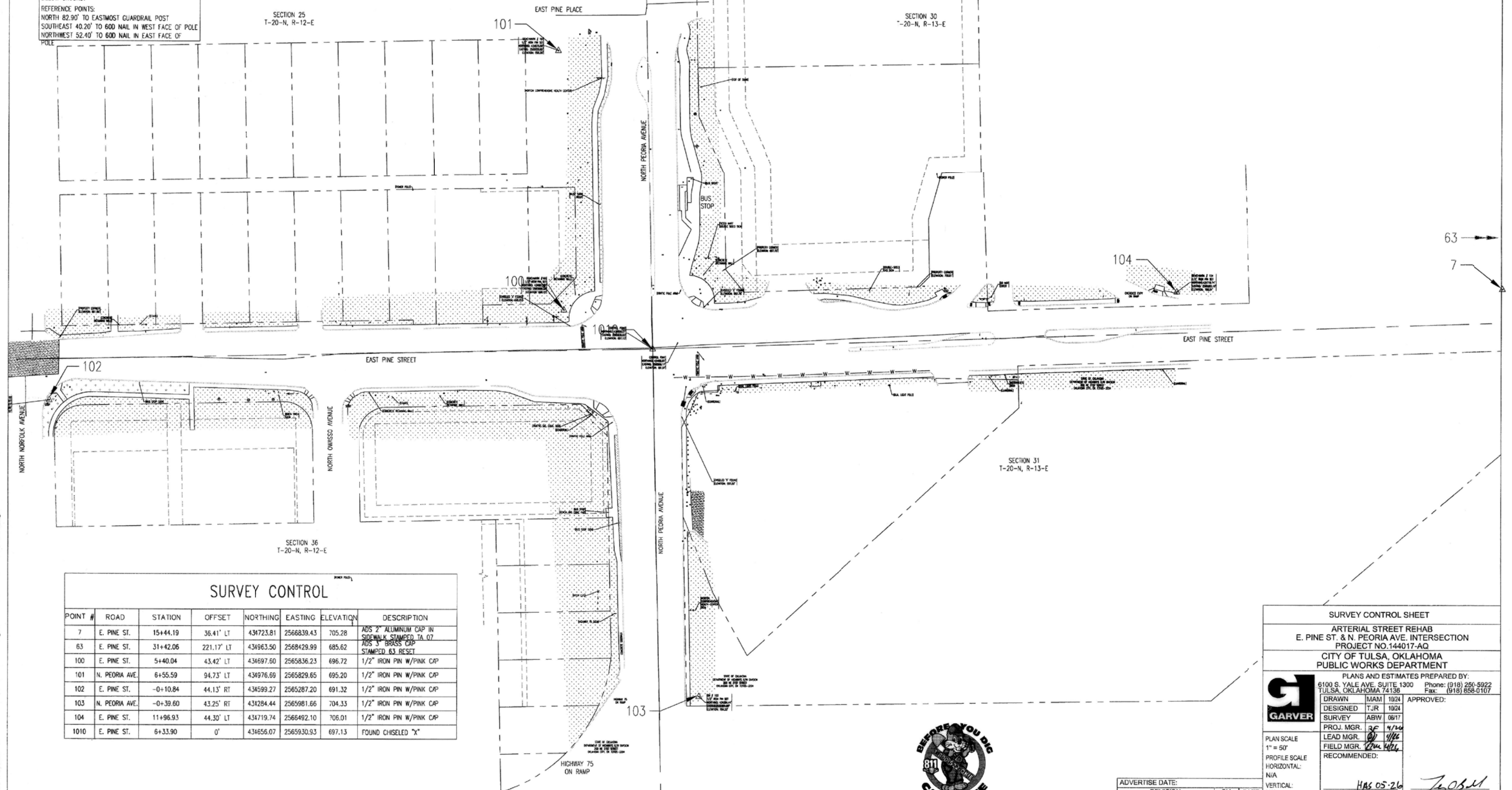
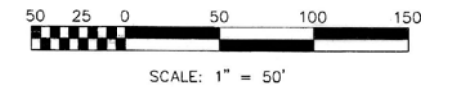
ADVERTISE DATE:		
REVISION	BY	DATE

SURVEY DATUM:

HORIZONTAL CONTROL: OKLAHOMA STATE PLANE
COORDINATE SYSTEM NORTH ZONE NAD83 (1993)
VERTICAL CONTROL: NAVD 1988
SCALE FACTOR: 0.999912631

BENCHMARK:

AERIAL DATA SERVICE, INC. STATION NAME: 63 RESET
N=434963.500, E=2568429.988, ELEVATION=685.616
DESCRIPTION: 3" BRASS CAP - SET IN CONCRETE - FLUSH - STAMPED "63 RESET", SET ON THE EAST SIDE OF UTICA AVENUE AND NORTH OF PINE ST APPROXIMATELY 200', 0.10' BELOW GROUND.
REFERENCE POINTS:
NORTH 82.90' TO EASTMOST GUARDRAIL POST
SOUTHEAST 40.20' TO 600 NAIL IN WEST FACE OF POLE
NORTHWEST 52.40' TO 600 NAIL IN EAST FACE OF POLE



SURVEY CONTROL

POINT #	ROAD	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
7	E. PINE ST.	15+44.19	36.41' LT	434723.81	2568839.43	705.28	ADS 2" ALUMINUM CAP IN SIDEWALK STAMPED TA 07
63	E. PINE ST.	31+42.06	221.17' LT	434963.50	2568429.99	685.62	ADS 3" BRASS CAP STAMPED 63 RESET
100	E. PINE ST.	5+40.04	43.42' LT	434697.60	2565836.23	696.72	1/2" IRON PIN W/PINK CAP
101	N. PEORIA AVE.	6+55.59	94.73' LT	434976.69	2565829.65	695.20	1/2" IRON PIN W/PINK CAP
102	E. PINE ST.	-0+10.84	44.13' RT	434599.27	2565287.20	691.32	1/2" IRON PIN W/PINK CAP
103	N. PEORIA AVE.	-0+39.60	43.25' RT	434284.44	2565981.66	704.33	1/2" IRON PIN W/PINK CAP
104	E. PINE ST.	11+96.93	44.30' LT	434719.74	2566492.10	706.01	1/2" IRON PIN W/PINK CAP
1010	E. PINE ST.	6+33.90	0'	434656.07	2565930.93	697.13	FOUND CHISELED "X"

SURVEY CONTROL SHEET

ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107



DRAWN	MAM	10/24	APPROVED:
DESIGNED	TJR	10/24	
SURVEY	ABW	06/17	
PROJ. MGR.	3C	9/14	
LEAD MGR.	DP	9/14	
FIELD MGR.	224	4/16	
RECOMMENDED:			

PLAN SCALE
1" = 50'
PROFILE SCALE
HORIZONTAL:
N/A

VERTICAL:
N/A
DESIGN MANAGER
FILE:
DRAWING:
ATLAS PAGE NO. 46, 47, 77 & 78

CITY ENGINEER
DATE: 7/11/2024
SHEET 12 OF 42 SHEETS



ADVERTISE DATE:	REVISION	BY	DATE



RIGHT-OF-WAY

ARTERIAL STREET REHAB
 E. PINE ST. & N. PEORIA AVE. INTERSECTION
 PROJECT NO. 144017-AQ

CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS DEPARTMENT

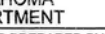


6100 S. YALE AVE. SUITE 1300
 TULSA, OKLAHOMA 74138

PLANS AND ESTIMATES PREPARED BY:
 Phone: (918) 250-5922
 Fax: (918) 250-0107

DRAWN	MAM	10/24
DESIGNED	TJR	10/24
SURVEY	ABW	06/17
PROJ. MGR.	RF	9/1/20
LEAD MGR.	JD	9/6/20
FIELD MGR.	JD	4/6/20
RECOMMENDED:		

APPROVED:



PLAN SCALE
 1" = 50'

 PROFILE SCALE
 HORIZONTAL:
 N/A

 VERTICAL:
 N/A



 DESIGN MANAGER

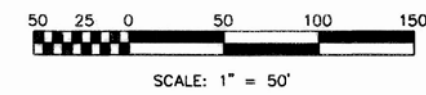
FILE:

DRAWING:

ATLAS PAGE NO. 46, 47, 77 & 78

DATE: 7/14/2026

SHEET 13 OF 42 SHEETS



SEDIMENT FILTER

— TOP OF CUT/
TOE OF SLOPE

EROSION CONTROL															
ARTERIAL STREET REHAB															
E. PINE ST. & N. PEORIA AVE. INTERSECTION															
PROJECT NO.144017-AQ															
CITY OF TULSA, OKLAHOMA															
PUBLIC WORKS DEPARTMENT															
 PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74106 Fax: (918) 656-0107															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">DRAWN</td> <td style="width: 60%;">MAM 10/24</td> </tr> <tr> <td>DESIGNED</td> <td>TJR 10/24</td> </tr> <tr> <td>SURVEY</td> <td>ABW 06/17</td> </tr> <tr> <td>PROJ. MGR.</td> <td>RF 9/26</td> </tr> <tr> <td>LEAD MGR.</td> <td>DJ 9/26</td> </tr> <tr> <td>FIELD MGR.</td> <td>EW 9/26</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 10px;">RECOMMENDED:</td> </tr> </table>	DRAWN	MAM 10/24	DESIGNED	TJR 10/24	SURVEY	ABW 06/17	PROJ. MGR.	RF 9/26	LEAD MGR.	DJ 9/26	FIELD MGR.	EW 9/26	RECOMMENDED:		APPROVED: 
DRAWN	MAM 10/24														
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SURVEY	ABW 06/17														
PROJ. MGR.	RF 9/26														
LEAD MGR.	DJ 9/26														
FIELD MGR.	EW 9/26														
RECOMMENDED:															
PLAN SCALE 1" = 50' PROFILE SCALE HORIZONTAL: N/A VERTICAL: N/A	HRS 05-24 DESIGN MANAGER														
FILE: ATLAS PAGE NO. 46, 47, 77 & 78	CITY ENGINEER DATE: 7/14/2026 SHEET 14 OF 42 SHEETS														

STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION

PROJECT LIMITS: THE INTERSECTION OF EAST PINE STREET AND NORTH PEORIA AVENUE BETWEEN NORTH NORFOLK AVENUE AND THE HIGHWAY 75 RAMP ON EAST PINE STREET

PROJECT DESCRIPTION: ARTERIAL STREET REHABILITATION WITH SIDEWALK AND RAMP IMPROVEMENTS

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:
(1)AS CONSTRUCTION OPERATIONS PROCEED, INSTALL TEMPORARY EROSION CONTROL DEVICES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THESE DEVICES SHALL BE MAINTAINED AS REQUIRED BY THE CITY OF TULSA STANDARD SPECIFICATIONS AND THE WEEKLY INSPECTION REPORTS PER PHASE.
(2)PLACE PERMANENT SOLID SLAB SODDING PER PHASE.

SOIL TYPE: URBAN LAND-DENNIS COMPLEX
TOTAL AREA OF THE CONSTRUCTION SITE: 4.33 ACRES
ESTIMATED AREA TO BE DISTURBED: 0.45 ACRES
OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE)
TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 2.52 ACRES
TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 2.54 ACRES
POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 0.90
LATITUDE & LONGITUDE OF CENTER OF PROJECT: 36°10'36.91"N, 95°58'32.18"W

PROJECT WILL DISCHARGE TO:
NAME OF RECEIVING WATERS: DIRTY BUTTER CREEK
SENSITIVE WATERS OR WATERSHEDS: YES NO X
303(d) IMPAIRED WATERS: YES X NO
IF YES, LIST IMPAIRMENT: MACROINVERTEBRATE BIO
LOCATED IN A TMDL: YES NO X
LAKE THUNDERBIRD TMDL: YES NO X
MS4 ENTITY YES X NO
IF YES, LOCATION: CITY OF TULSA

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

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:
TEMPORARY SEEDING
X PERMANENT SODDING, SPRIGGING OR SEEDING
VEGETATIVE MULCHING
SOIL RETENTION BLANKET
X PRESERVATION OF EXISTING VEGETATION
NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:
STABILIZED CONSTRUCTION EXIT
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
X TEMPORARY SEDIMENT REMOVAL
RIP RAP
X INLET SEDIMENT FILTER
TEMPORARY BRUSH SEDIMENT BARRIERS
SANDBAG BERMS
TEMPORARY STREAM CROSSINGS

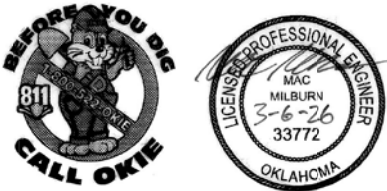
OFFSITE VEHICLE TRACKING:
X HAUL ROADS DAMPENED FOR DUST CONTROL
X LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
X EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:
MAINTENANCE AND INSPECTION:
ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.
WASTE MATERIALS:
PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.
HAZARDOUS MATERIALS:
PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

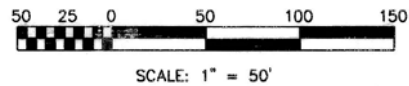
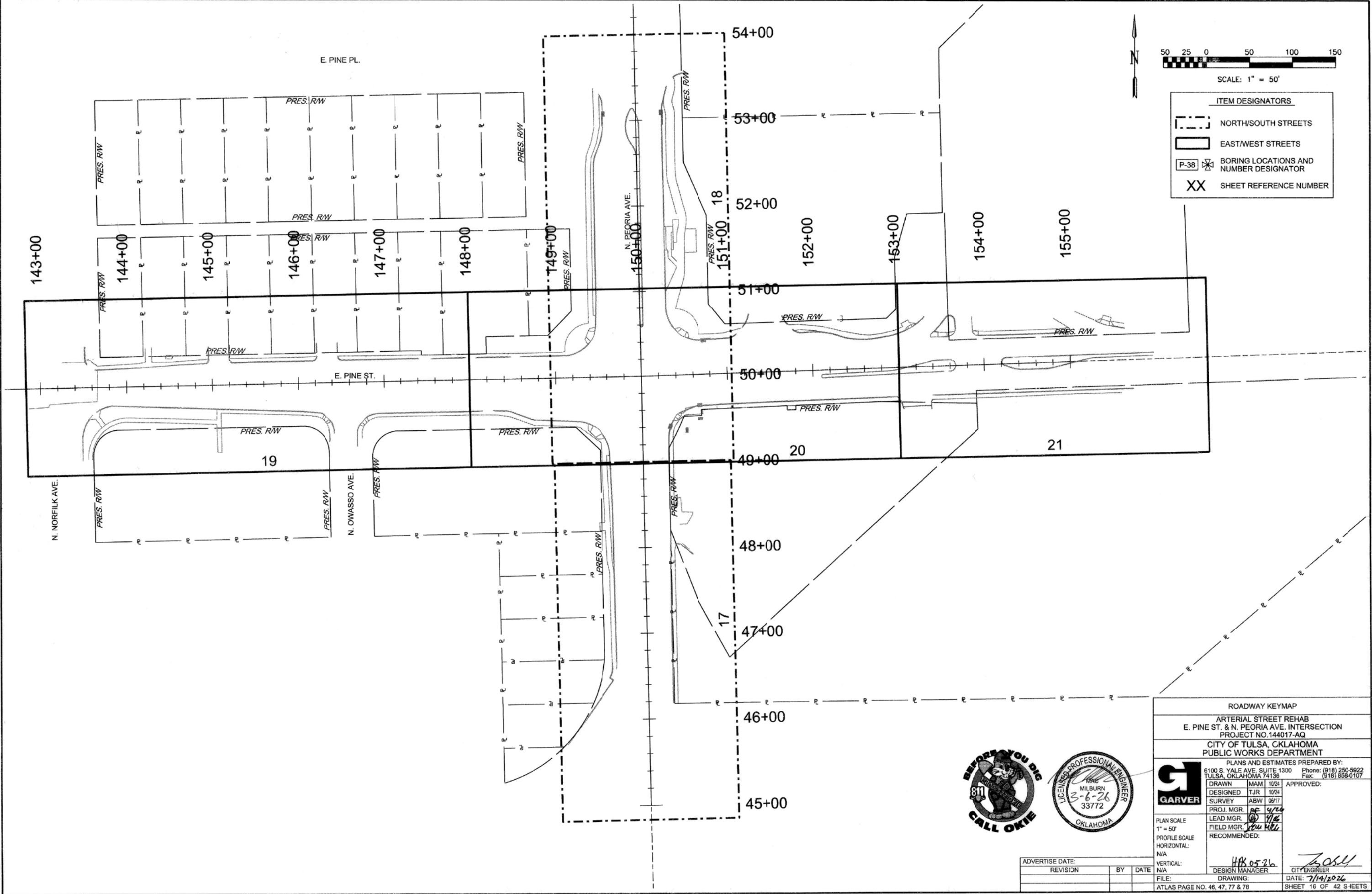
GENERAL NOTES:
A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORM AND PERMIT CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING THE PROGRESSION OF THE PROJECT. ALL CONTRACTOR OFF-SITE OPERATIONS ASSOCIATED WITH THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ROADS, DISPOSAL SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION.
THE FOLLOWING SECTIONS OF THE 2019 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:
103.05 BONDING REQUIREMENTS
104.10 FINAL CLEAN 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 AND CONTROL
221 TEMPORARY SEDIMENT CONTROL

IN ADDITION:
"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, APRIL 01, 2024.
ADDITIONAL PERMITS REQUIRED FROM OKLAHOMA WATER RESOURCES BOARD



ADVERTISE DATE:		
REVISION	BY	DATE

STORMWATER MANAGEMENT PLAN	
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO.144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74135 Fax: (918) 656-0107	
DESIGNED MAM 10/24	APPROVED:
SURVEY ABW 06/17	
PROJ. MGR. RF 9/26	
LEAD MGR. DJ 9/26	
FIELD MGR. JRM 11/6	
RECOMMENDED:	
PLAN SCALE	
PROFILE SCALE	
HORIZONTAL:	
VERTICAL:	
FILE:	DESIGN MANAGER
DRAWING:	CITY ENGINEER
ATLAS PAGE NO. 46, 47, 77 & 78	DATE: 7/14/2026
	SHEET 15 OF 42 SHEETS



ITEM DESIGNATORS	
	NORTH/SOUTH STREETS
	EAST/WEST STREETS
	BORING LOCATIONS AND NUMBER DESIGNATOR
	SHEET REFERENCE NUMBER



ROADWAY KEYMAP

ARTERIAL STREET REHAB

E. PINE ST. & N. PEORIA AVE. INTERSECTION

PROJECT NO. 144017-AQ

CITY OF TULSA, OKLAHOMA

PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:

6100 S. YALE AVE., SUITE 1300
TULSA, OKLAHOMA 74136

Phone: (918) 250-5922
Fax: (918) 559-0107

GARVER

DRAWN	MAM	10/24	APPROVED:
DESIGNED	TJR	10/24	
SURVEY	ABW	06/17	
PROJ. MGR.	PC	9/24	
LEAD MGR.	PC	9/24	
FIELD MGR.	PC	9/24	CITY ENGINEER
RECOMMENDED:			
HAB 05-26			
DATE: 7/14/2026			

PLAN SCALE
1" = 50'

PROFILE SCALE
HORIZONTAL:
N/A

VERTICAL:
N/A

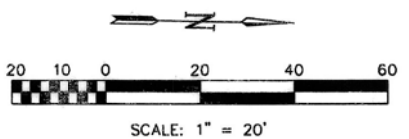
FILE: DRAWING:

ATLAS PAGE NO. 46, 47, 77 & 78

SHEET 16 OF 42 SHEETS

ADVERTISE DATE:		
REVISION	BY	DATE

NOTE: SEE PAGE 22 FOR EXPANDED VIEW SIDEWALK DETAILS OF E. PINE ST. & N. PEORIA AVE.



STREET REHAB LEGEND	
①	TYPE 1 PCC PATCH
②	CONCRETE SIDEWALK
③	DECORATIVE CONCRETE
④	6" BARRIER COMBINED CURB AND GUTTER
⑤	HANDICAP RAMP TYPE A
⑥	HANDICAP RAMP TYPE D
⑦	ADJUST TO GRADE
⑧	4" CONCRETE MEDIAN
⑨	PINE WATERLINE TYPE 1 PCC PATCH
⑩	5" DIAMOND PCC PATCH
⑪	HANDICAP RAMP TYPE B
⬢	TACTILE WARNING DEVICE

WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY

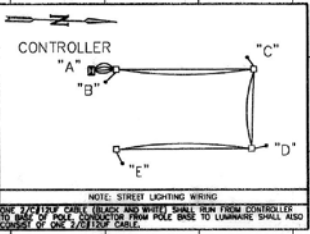
STA. 49+00

E. PINE ST.

N. PEORIA AVE.

TABLE #1 NEW ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

B - 2C#12UF	
C - 2C#12 UF	
D - 2C#12 UF	
E - 2C#12 UF	
CABLE TERMINAL IDENTIFICATION CODE	
EXAMPLE-B-20C	
(B) SIGNAL POLE LOCATION	
(20C#14) 20 CONDUCTOR CABLE, SIZE 14 WIRE	

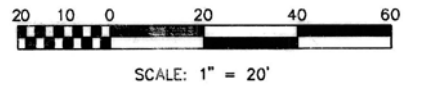
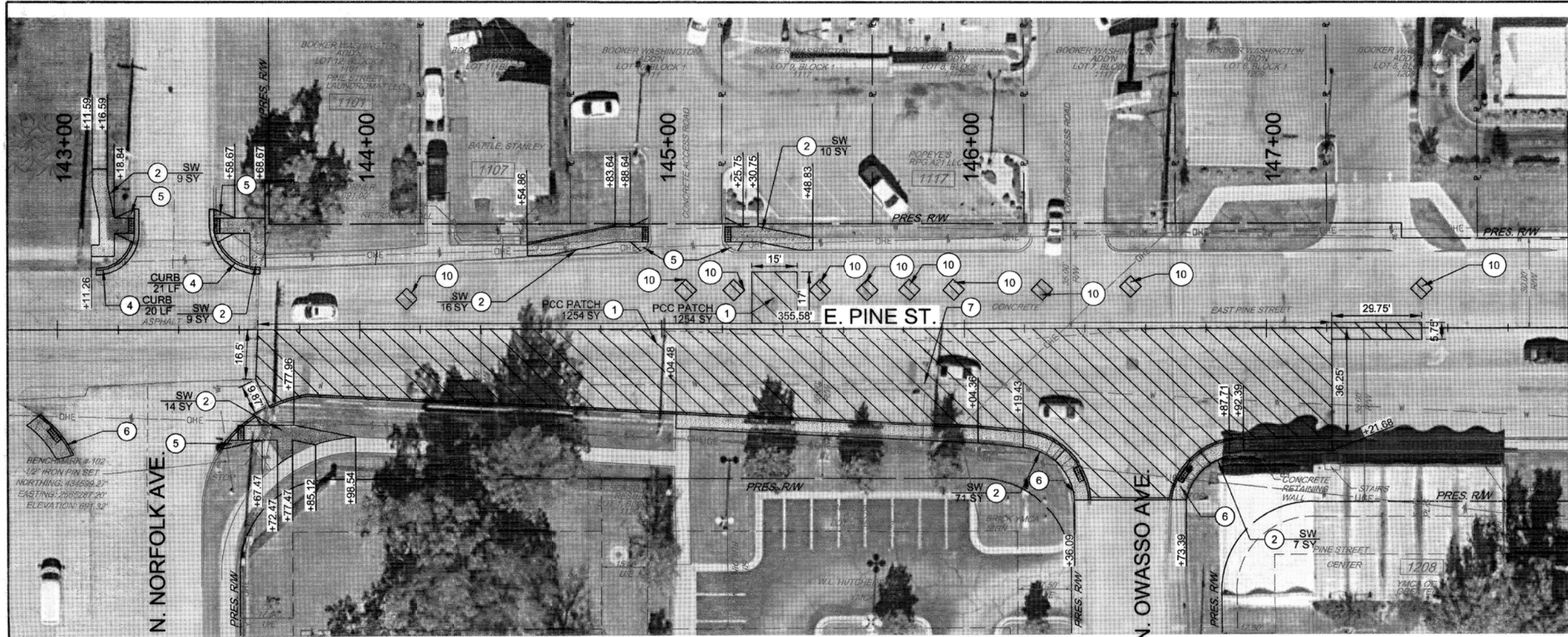


NOTE:
NEW LUMINAIRES TO BE INSTALLED ON ALL (4) EXISTING SIGNAL POLES. PAYMENT FOR RETROFITTING NEW LUMINAIRE ONTO EXISTING SIGNAL POLE SHALL BE COVERED UNDER COT 621 ROADWAY LUMINAIRE AND SHALL ONLY ACCOUNT FOR THE INSTALLATION OF NEW LUMINAIRE EXTENSIONS ONTO THE EXISTING POLES.



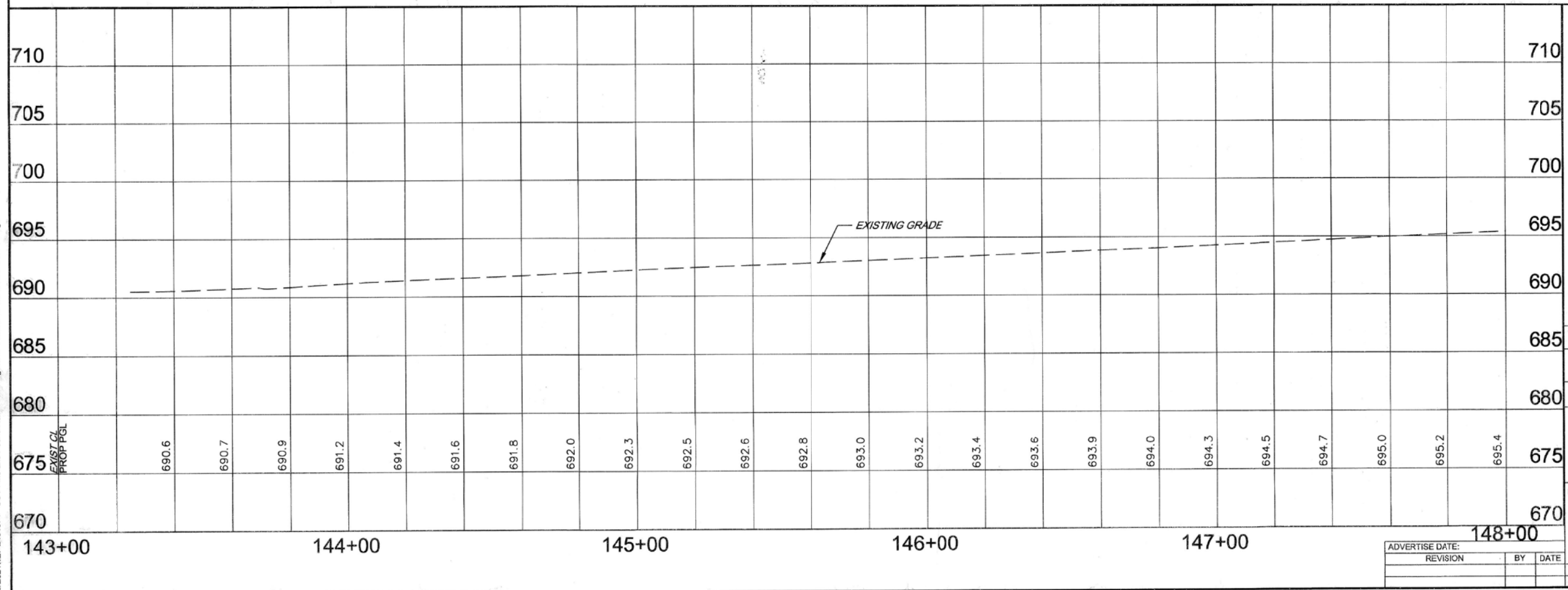
PLAN & PROFILE - N. PEORIA AVE
(STA. 49+00 TO STA. 54+00)
ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:	
6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922	
TULSA, OKLAHOMA 74136 Fax: (918) 856-0107	
DRAWN	MAM 10/24
DESIGNED	TJR 10/24
SURVEY	ABW 06/17
PROJ. MGR.	RF 9/16
LEAD MGR.	DI 9/16
FIELD MGR.	RF 9/16
RECOMMENDED:	
DESIGN MANAGER	HMS 05-26
CITY ENGINEER	[Signature]
DATE:	7/14/2026
ATLAS PAGE NO. 46, 47, 77 & 78	SHEET 18 OF 42 SHEETS



- STREET REHAB LEGEND**
- ① TYPE 1 PCC PATCH
 - ② CONCRETE SIDEWALK
 - ③ DECORATIVE CONCRETE
 - ④ 6" BARRIER COMBINED CURB AND GUTTER
 - ⑤ HANDICAP RAMP TYPE A
 - ⑥ HANDICAP RAMP TYPE D
 - ⑦ ADJUST TO GRADE
 - ⑧ 4" CONCRETE MEDIAN
 - ⑨ PINE WATERLINE TYPE 1 PCC PATCH
 - ⑩ 5" DIAMOND PCC PATCH
 - ⑪ HANDICAP RAMP TYPE B
 - ▨ TACTILE WARNING DEVICE
- ④A 6" MOUNTABLE COMBINED CURB AND GUTTER

WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY



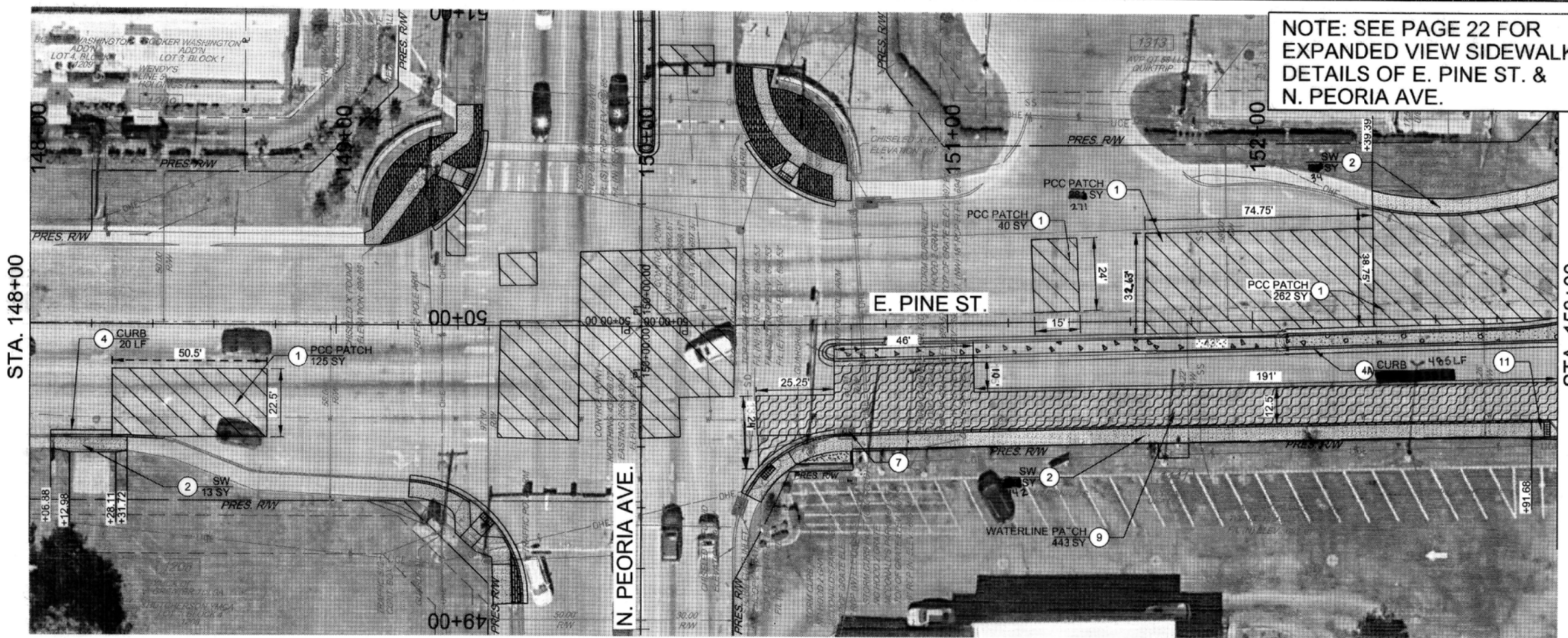
PLAN & PROFILE - E. PINE ST.
(STA. 143+00 TO STA. 148+00)
ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922
TULSA, OKLAHOMA 74136 Fax: (918) 858-0107

DRAWN	MAM	10/24
DESIGNED	TJR	10/24
SURVEY	ABW	08/17
PROJ. MGR.	RF	4/24
LEAD MGR.	DD	1/16
FIELD MGR.	THH	1/16

RECOMMENDED:

DATE: 7/14/2026
SHEET 19 OF 42 SHEETS



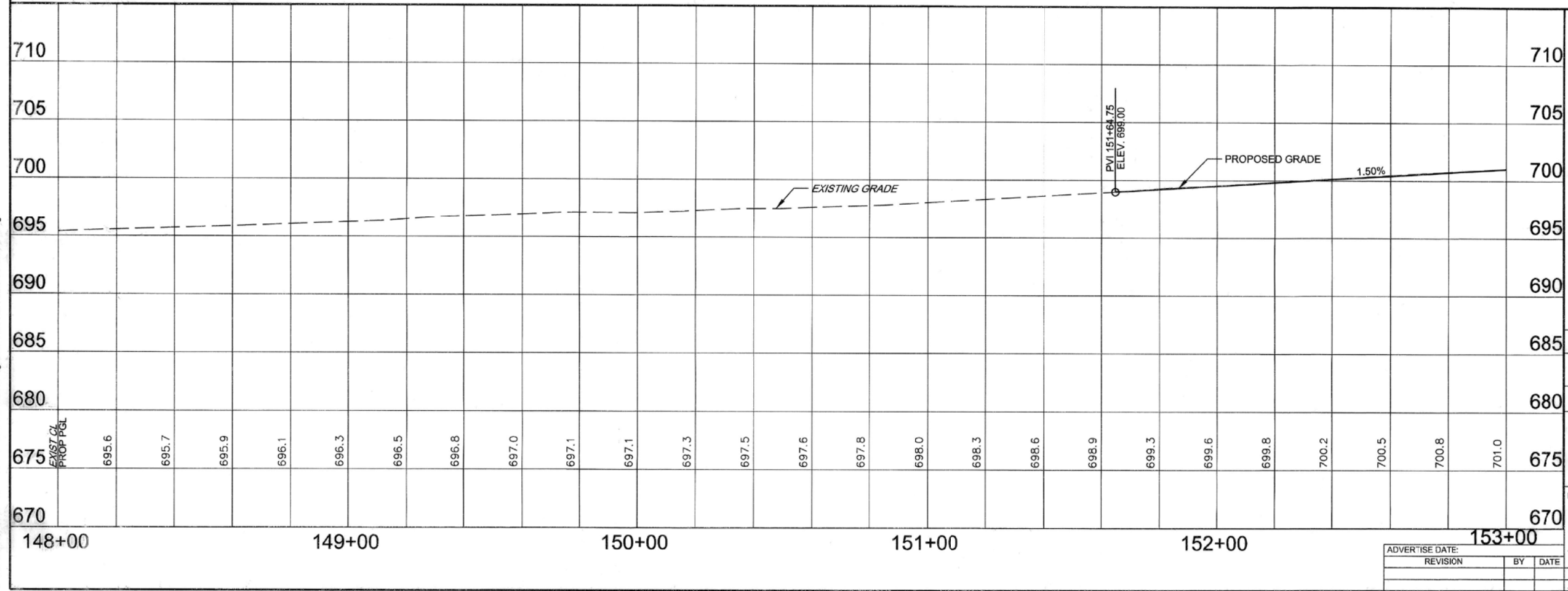
NOTE: SEE PAGE 22 FOR EXPANDED VIEW SIDEWALK DETAILS OF E. PINE ST. & N. PEORIA AVE.

SCALE: 1" = 20'

STREET REHAB LEGEND

- 1 TYPE 1 PCC PATCH
- 2 CONCRETE SIDEWALK
- 3 DECORATIVE CONCRETE
- 4 6" BARRIER COMBINED CURB AND GUTTER
- 5 HANDICAP RAMP TYPE A
- 6 HANDICAP RAMP TYPE D
- 7 ADJUST TO GRADE
- 8 4" CONCRETE MEDIAN
- 9 PINE WATERLINE TYPE 1 PCC PATCH
- 10 5" DIAMOND PCC PATCH
- 11 HANDICAP RAMP TYPE B
- TACTILE WARNING DEVICE

WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY



BEFORE YOU DIG CALL OKIE

LICENSED PROFESSIONAL ENGINEER
MAC MILBURN
3-6-26
33772
OKLAHOMA

PLAN & PROFILE - E. PINE ST.
(STA. 148+00 TO STA. 153+00)
ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE. SUITE 1300 Phone: (918) 255-5922
TULSA, OKLAHOMA 74136 Fax: (918) 859-0107

GARVER

DRAWN	MAM	10/24
DESIGNED	TJR	10/24
SURVEY	ABW	09/17
PROJ. MGR.	RF	9/24
LEAD MGR.	RF	9/24
FIELD MGR.	RF	9/24
RECOMMENDED:		

PLAN SCALE: 1" = 20'
PROFILE SCALE: 1" = 5'
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

ADVERTISE DATE: _____
REVISION: _____ BY: _____ DATE: _____

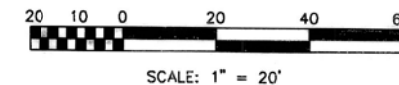
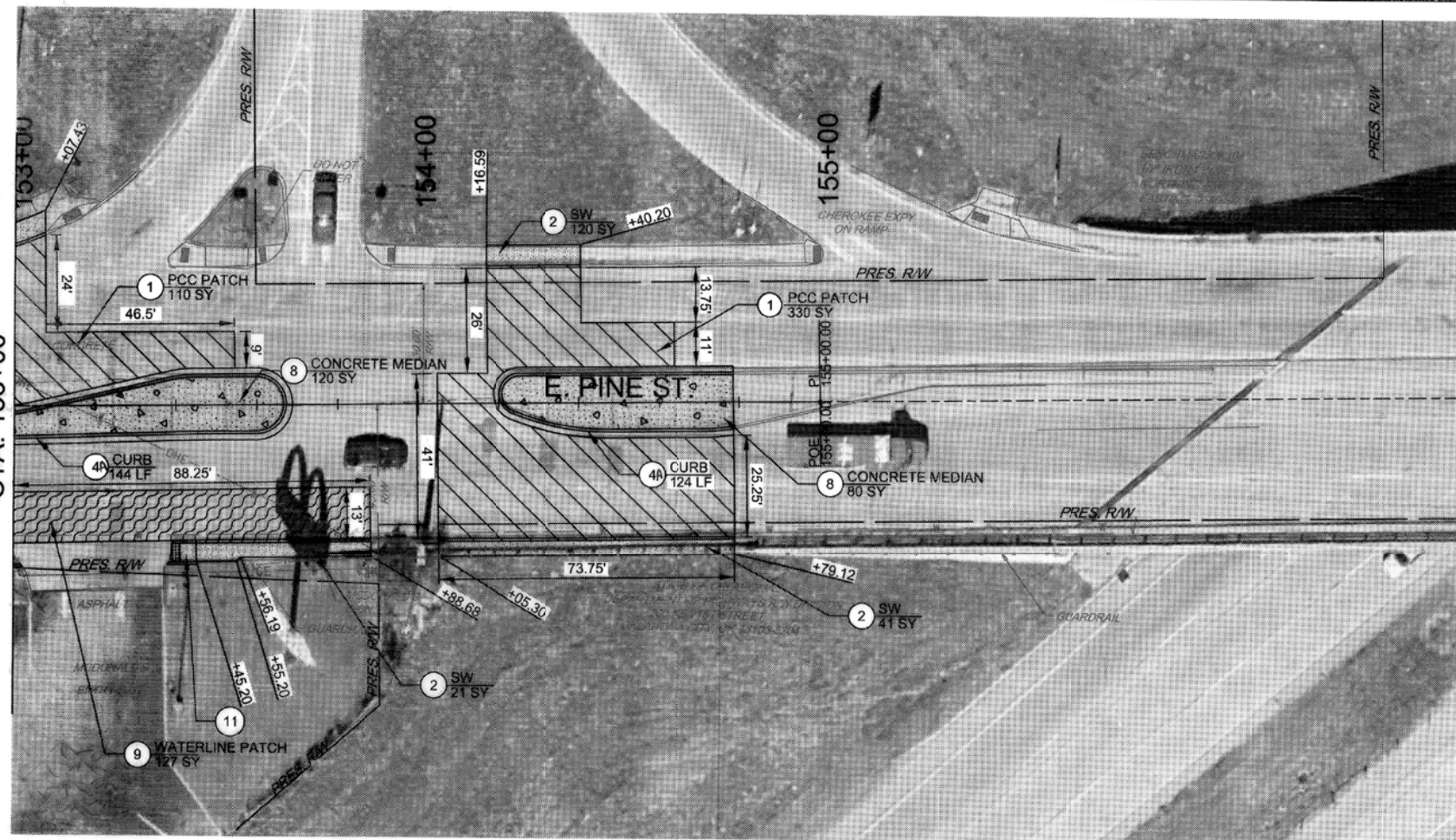
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ATLAS PAGE NO. 46, 47, 77 & 78

DATE: 7/19/2026
SHEET 20 OF 42 SHEETS

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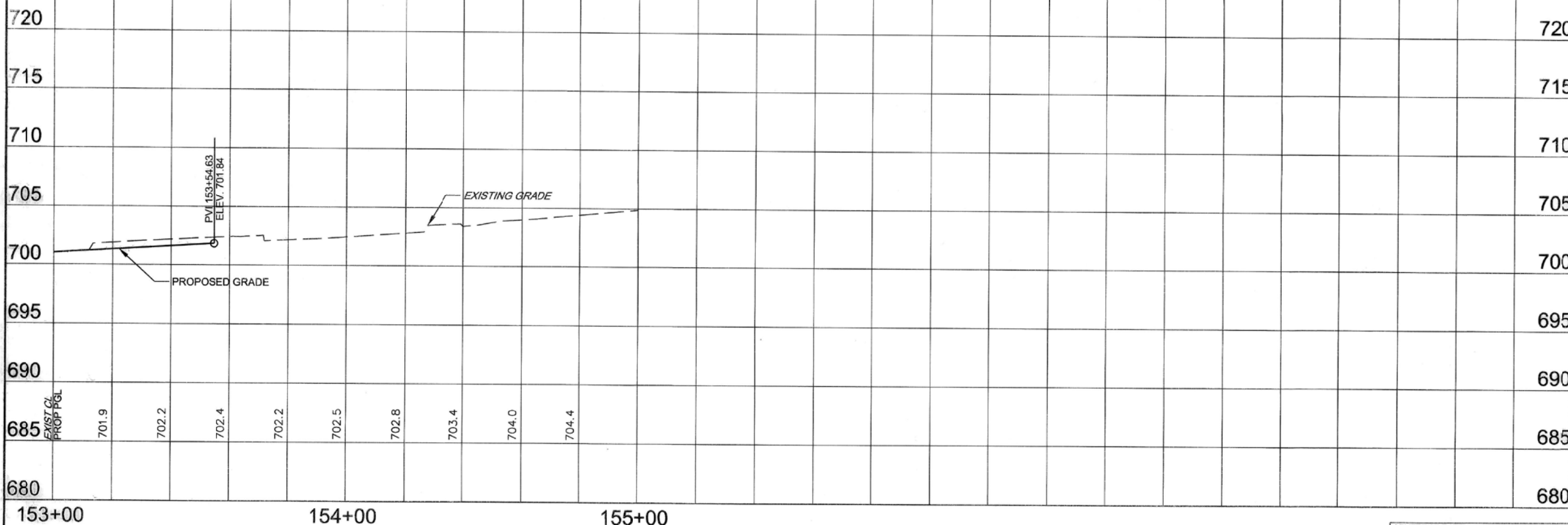
STA. 153+00



STREET REHAB LEGEND	
1	TYPE 1 PCC PATCH
2	CONCRETE SIDEWALK
3	DECORATIVE CONCRETE
4	6" BARRIER COMBINED CURB AND GUTTER
5	HANDICAP RAMP TYPE A
6	HANDICAP RAMP TYPE D
7	ADJUST TO GRADE
8	4" CONCRETE MEDIAN
9	PINE WATERLINE TYPE 1 PCC PATCH
10	5" DIAMOND PCC PATCH
11	HANDICAP RAMP TYPE B
12	TACTILE WARNING DEVICE
4A	6" MOUNTABLE COMBINED CURB AND GUTTER

WARNING:

OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY



PLAN & PROFILE - E. PINE ST.
(STA. 153+00 TO STA. 155+00)
ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5622
TULSA, OKLAHOMA 74136 Fax: (918) 656-0107

DRAWN	MAM	10/24
DESIGNED	TJR	10/24
SURVEY	ABW	06/17
PROJ. MGR.	RF	8/24
LEAD MGR.	RF	8/24
FIELD MGR.	RF	8/24
RECOMMENDED:		

PLAN SCALE
1" = 20'
PROFILE SCALE
HORIZONTAL:
1" = 20'
VERTICAL:
1" = 5'

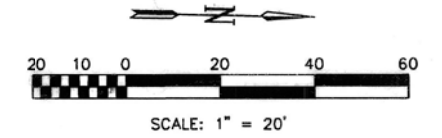
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CITY ENGINEER: [Signature]

ADVERTISE DATE:	
REVISION	BY DATE

FILE: [Blank]
DRAWING: [Blank]
ATLAS PAGE NO. 46, 47, 77 & 78
SHEET 21 OF 42 SHEETS

STA. 49+60.00

STA. 52+40.00



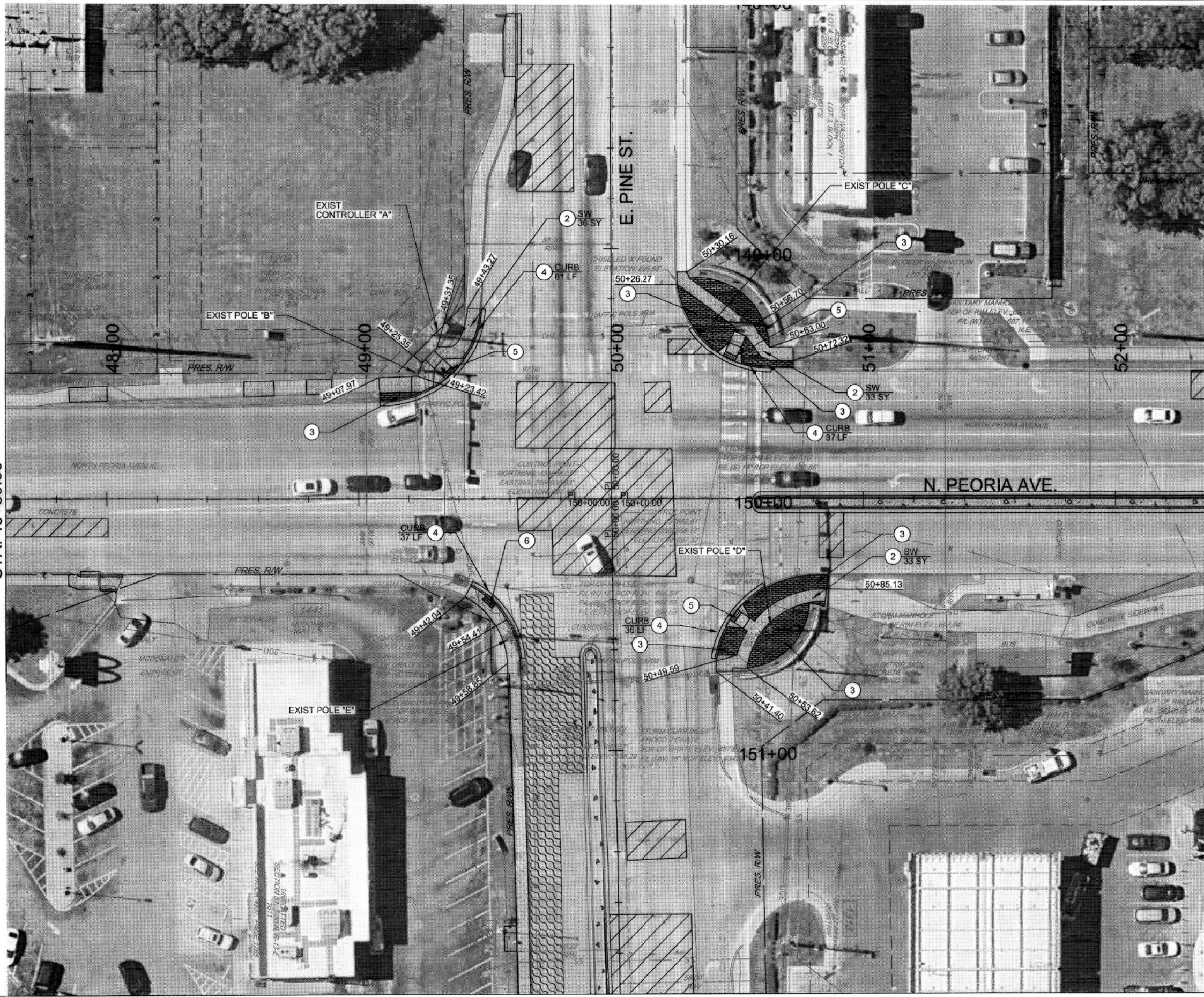
STREET REHAB LEGEND	
①	TYPE 1 PCC PATCH
②	CONCRETE SIDEWALK
③	DECORATIVE CONCRETE
④	6" BARRIER COMBINED CURB AND GUTTER
⑤	HANDICAP RAMP TYPE A
⑥	HANDICAP RAMP TYPE D
⑦	ADJUST TO GRADE
⑧	4" CONCRETE MEDIAN
⑨	PINE WATERLINE TYPE 1 PCC PATCH
⑩	5" DIAMOND PCC PATCH
⑪	HANDICAP RAMP TYPE B
⑫	TACTILE WARNING DEVICE

WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY

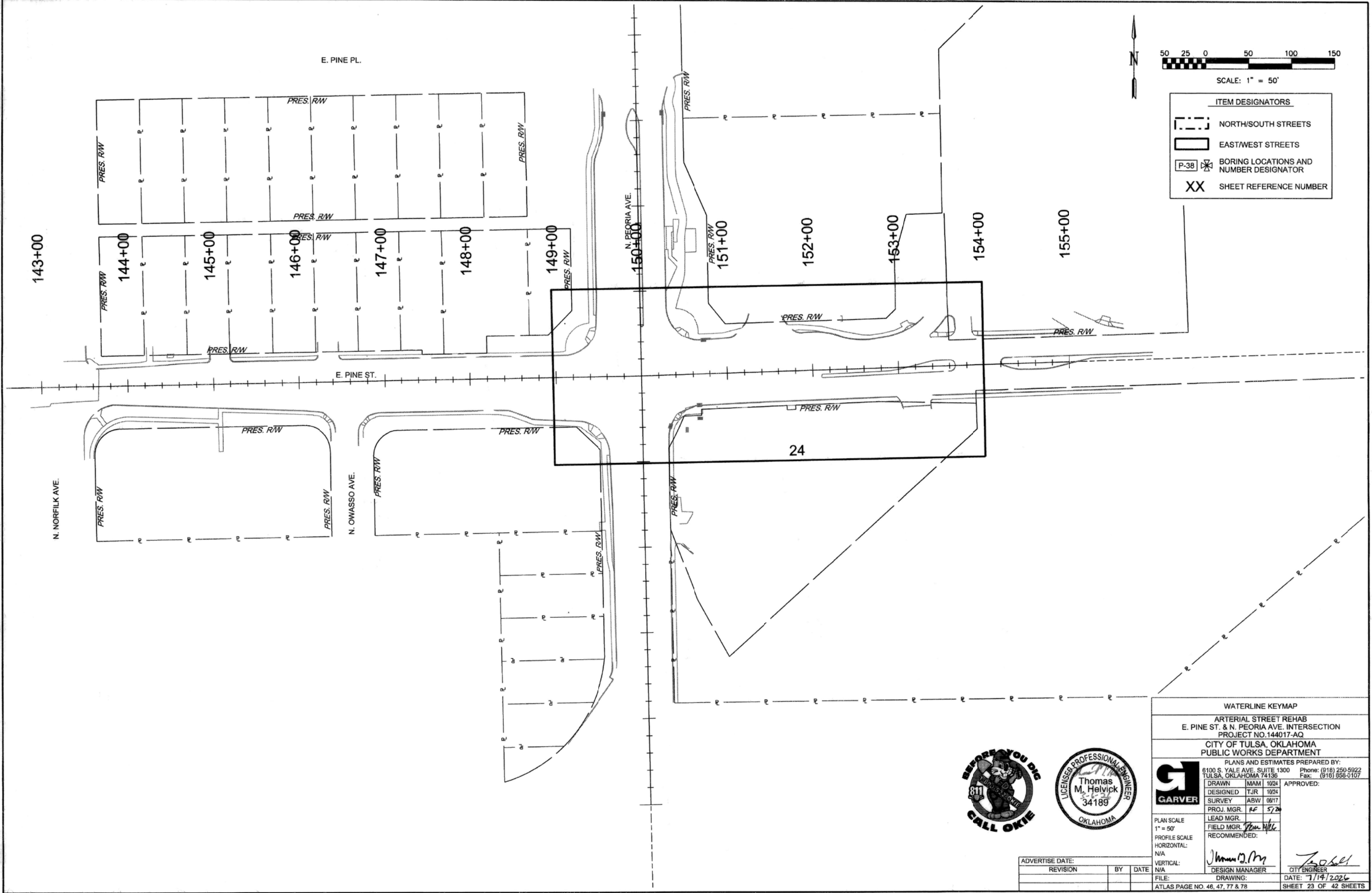


SIDEWALK DETAILS - N. PINE ST. & N. PEORIA AVE. (STA. 49+60.00 TO STA. 54+40.00)	
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 859-0107	
	APPROVED:
	DRAWN MAM 10/24
	DESIGNED TJR 10/24
	SURVEY ABW 06/17
	PROJ. MGR. RF 9/24
PLAN SCALE 1" = 20'	LEAD MGR. DJ 9/24
PROFILE SCALE HORIZONTAL: 1" = 20'	FIELD MGR. DJ 9/24
VERTICAL: 1" = 5'	RECOMMENDED:
TE	HAS 05-26 DESIGN MANAGER
FILE:	CITY ENGINEER
DATE: 7/11/2026	
SHEET 22 OF 42 SHEETS	
ATLAS PAGE NO. 46, 47, 77 & 78	

ADVERTISE DATE:		
REVISION	BY	DATE



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50 25 0 50 100 150
SCALE: 1" = 50'

ITEM DESIGNATORS

- NORTH/SOUTH STREETS
- EAST/WEST STREETS
- P-38 BORING LOCATIONS AND NUMBER DESIGNATOR
- XX SHEET REFERENCE NUMBER



ADVERTISE DATE:		
REVISION	BY	DATE

WATERLINE KEYMAP

ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
8100 S. YALE AVE. SUITE 1300 Phone: (918) 260-5922
TULSA, OKLAHOMA 74136 Fax: (918) 558-0107

DRAWN	MAM	10/24	APPROVED:
DESIGNED	TJR	10/24	
SURVEY	ABW	08/17	
PROJ. MGR.	RF	5/20	
LEAD MGR.			
FIELD MGR.			

PLAN SCALE
1" = 50'

PROFILE SCALE
HORIZONTAL:
N/A

VERTICAL:
N/A

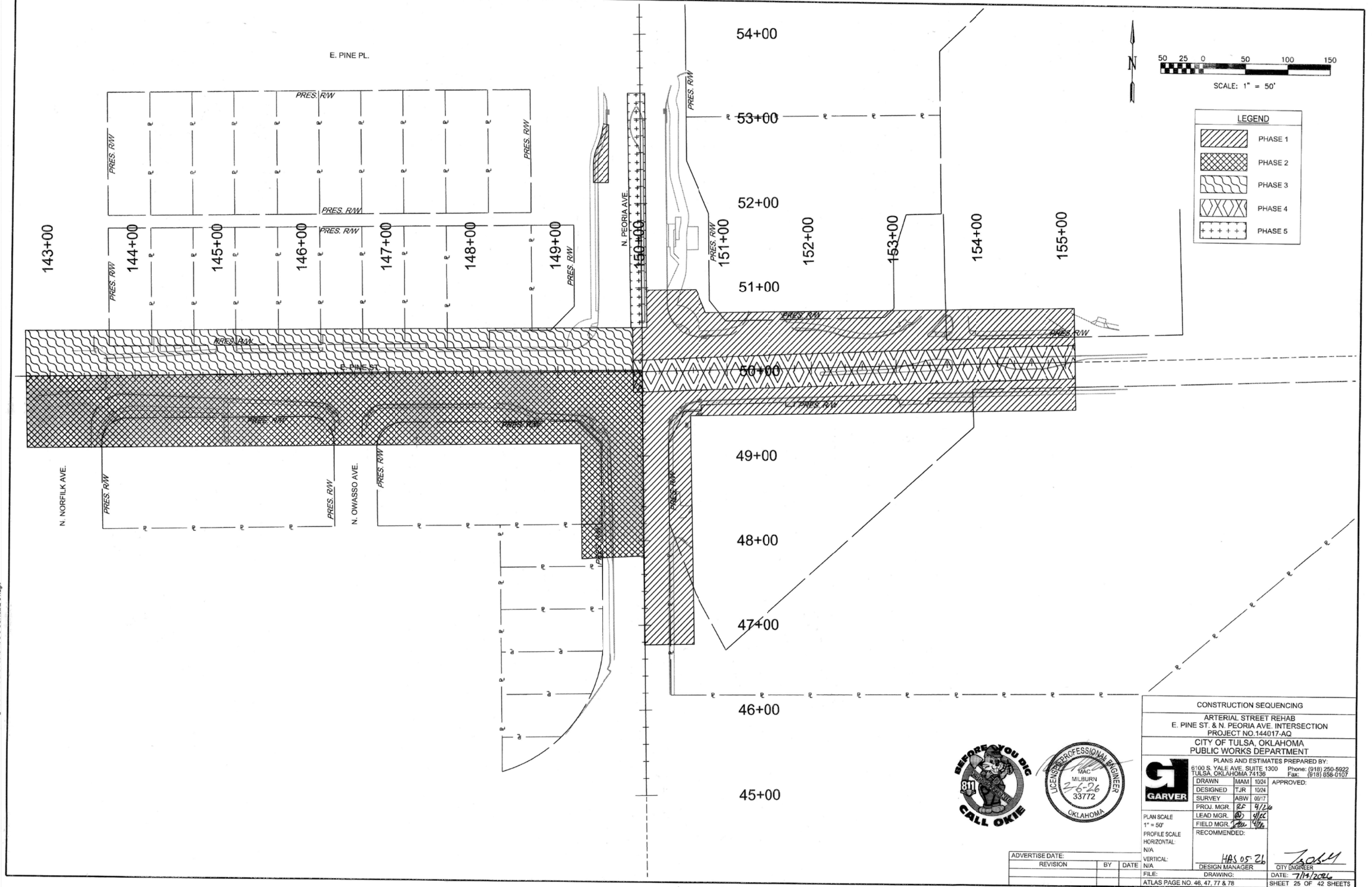
FILE:
DRAWING:
ATLAS PAGE NO. 46, 47, 77 & 78

DESIGN MANAGER
John M. M.

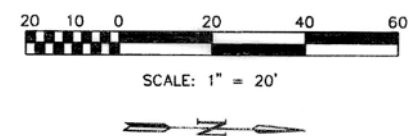
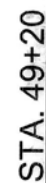
CITY ENGINEER
Robert

DATE: 1/14/2026

SHEET 23 OF 42 SHEETS



CONSTRUCTION SEQUENCING	
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 558-0107	
DRAWN	MAM 10/24
DESIGNED	TJR 10/24
SURVEY	ABW 06/17
PROJ. MGR.	RF 9/26
LEAD MGR.	RF 9/26
FIELD MGR.	RF 9/26
RECOMMENDED:	
VERTICAL:	N/A
PLAN SCALE:	1" = 50'
PROFILE SCALE:	
HORIZONTAL:	
ADVERTISE DATE:	
REVISION	BY DATE
FILE:	DATE: 7/14/2026
DESIGN MANAGER:	CITY ENGINEER
ATLAS PAGE NO. 46, 47, 77 & 78	SHEET 25 OF 42 SHEETS



CONSTRUCT INTERSECTION PATCHES
AT THE BEGINNING OF PHASE I.
DURING INTERSECTION CONSTRUCTION,
RESTRICT TURNING MOVEMENTS.

	DIRECTION OF TRAFFIC
	TYPE III BARRICADE
	TRAFFIC CONTROL SIGN ASSEMBLY
	CONSTRUCTION BARREL
	TUBULAR MARKERS
	CONSTRUCTION
	COMPLETED WORK

OVERHEAD AND UNDERGROUND
UTILITIES IN PROJECT
VICINITY

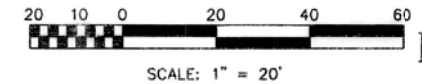


GARVER

UTLSA, OKLAHOMA 74136	Fax: (918) 658-0137
DRAWN J.L.H. 10/24	APPROVED:
DESIGNED T.J.R. 10/24	
SURVEY ABW 06/47	
PROJ. MGR. P.F. 8/26	
LEAD MGR. D.B. 4/22	
FIELD MGR. P.F. 4/16	
RECOMMENDED:	

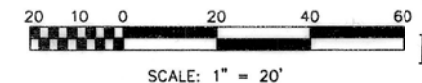
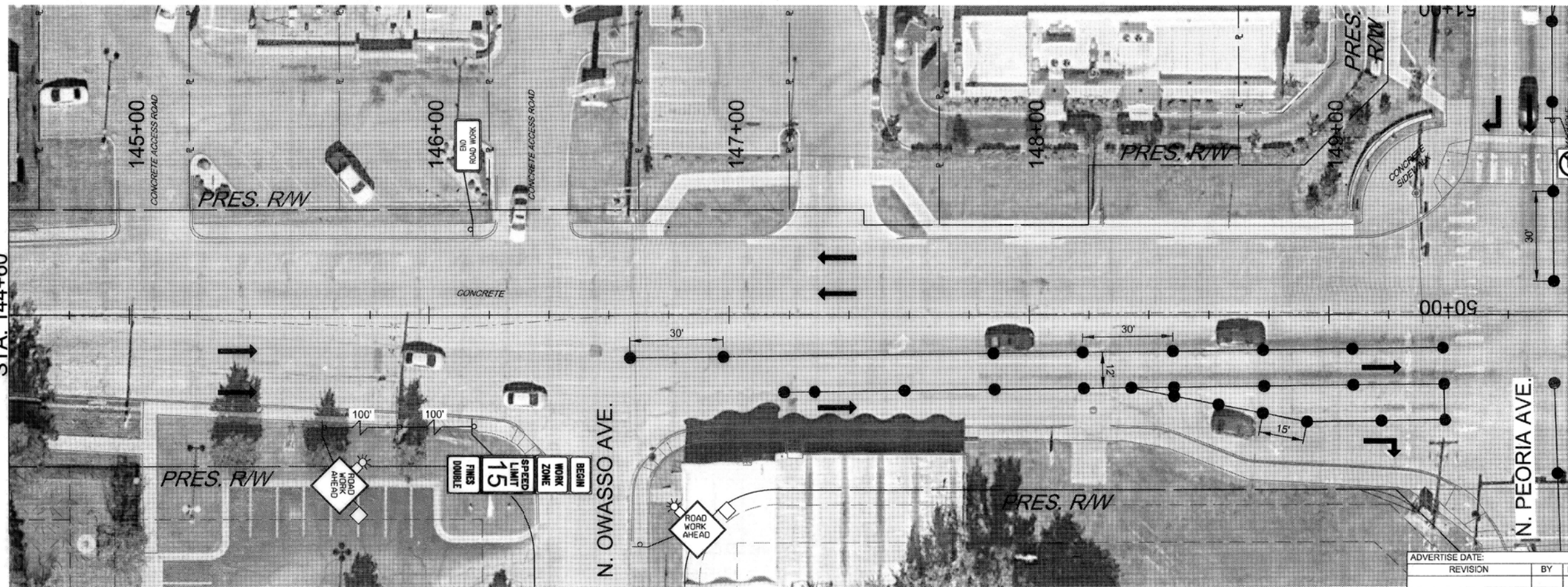
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	FILE:
	ATLAS PA

DESIGN MANAGER	CITY ENGINEER
DRAWING:	DATE: 7/14/2026
NO. 46. 47. 77 & 78	SHEET 26 OF 42 SHEET



LEGEND	
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE
	TRAFFIC CONTROL SIGN ASSEMBLY
	CONSTRUCTION BARREL
	TUBULAR MARKERS
	CONSTRUCTION
	COMPLETED WORK

WARNING:
OVERHEAD AND UNDERGROUND
UTILITIES IN PROJECT
VICINITY

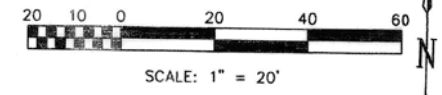
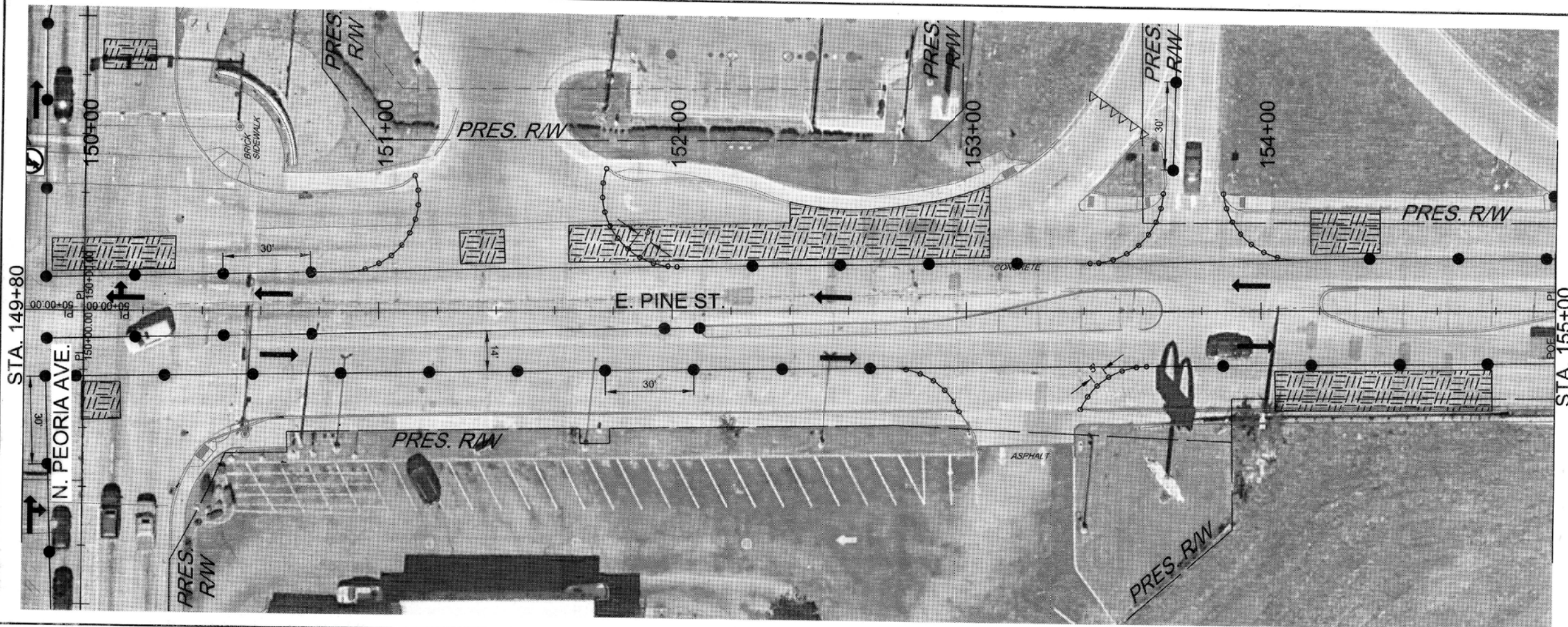


SUGGESTED SEQUENCE OF TRAFFIC CONTROL
PHASE 1 (SHEET 2 OF 4)
ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5822
TULSA, OKLAHOMA 74136 Fax: (918) 656-3107

	DRAWN	JLH	10/24
	DESIGNED	TJR	10/24
	SURVEY	ABW	06/17
	PROJ. MGR.	FE	9/26
	LEAD MGR.	FE	9/26
FIELD MGR.		FE	9/26
RECOMMENDED:			

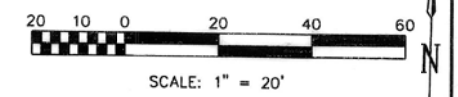
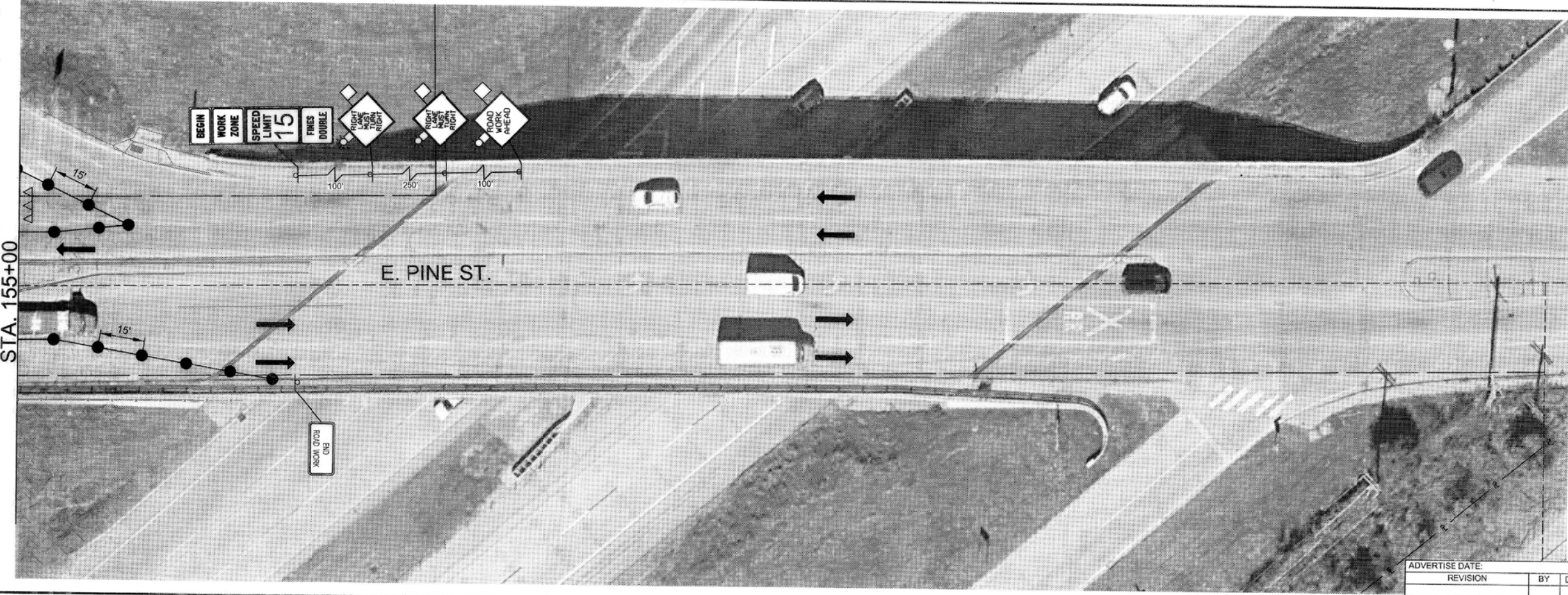
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ADVERTISE DATE: REVISION	BY	DATE
DESIGN MANAGER		CITY ENGINEER
ATLAS PAGE NO. 46, 47, 77 & 78		SHEET 27 OF 42 SHEETS



NOTE:
CONSTRUCT INTERSECTION PATCHES AT THE BEGINNING OF PHASE I. DURING INTERSECTION CONSTRUCTION, RESTRICT TURNING MOVEMENTS.

- LEGEND**
- DIRECTION OF TRAFFIC
 - ∇∇∇ TYPE III BARRICADE
 - TRAFFIC CONTROL SIGN ASSEMBLY
 - CONSTRUCTION BARREL
 - TUBULAR MARKERS
 - CONSTRUCTION
 - COMPLETED WORK

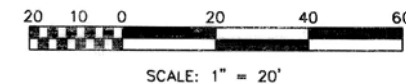
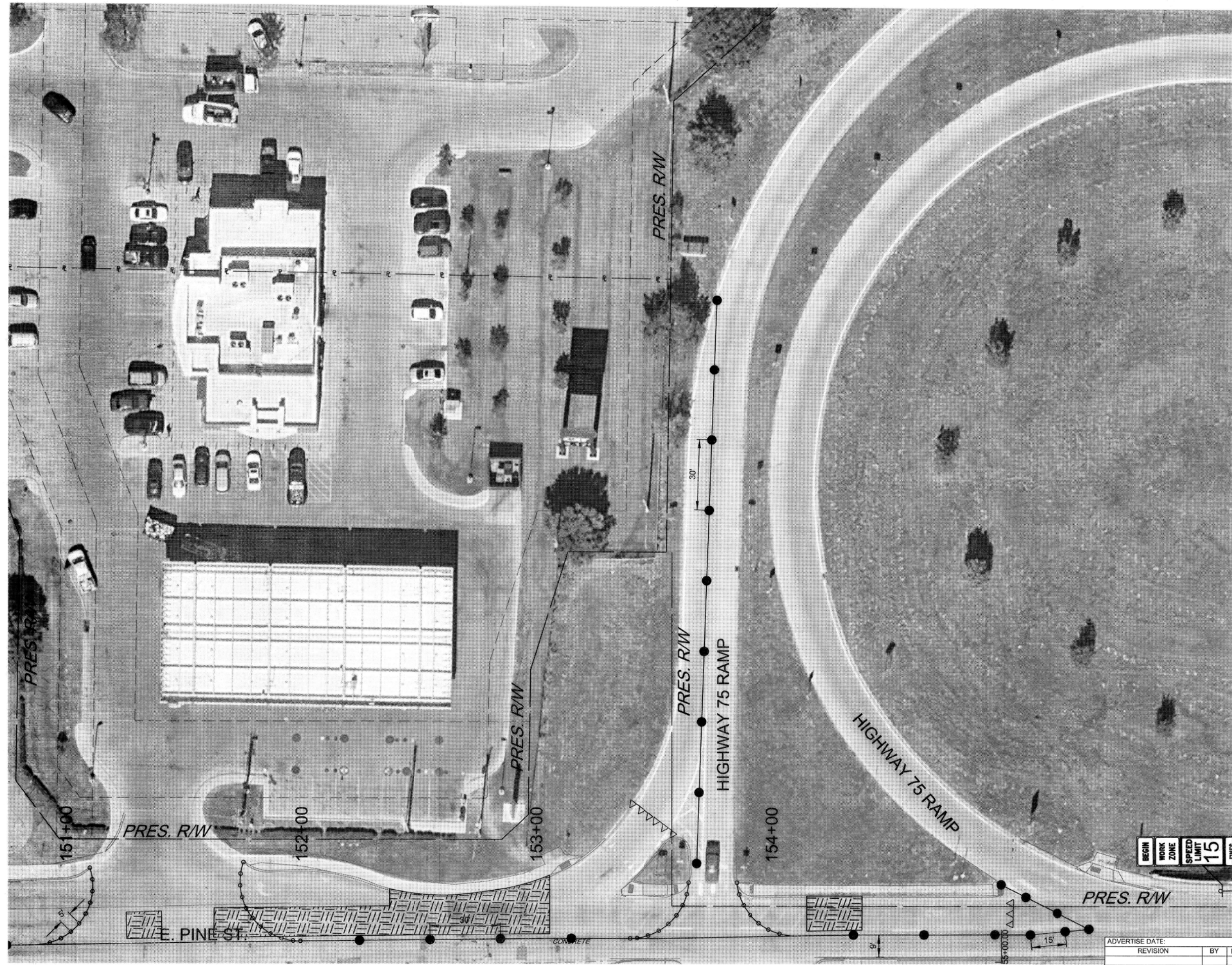
WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY



SUGGESTED SEQUENCE OF TRAFFIC CONTROL PHASE 1 (SHEET 3 OF 4) ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107			
DRAWN JLH 10/24 DESIGNED TJR 10/24 SURVEY ABW 08/17 PROJ. MGR. RF 9/16 LEAD MGR. RF 9/16 FIELD MGR. RF 9/16 RECOMMENDED:	APPROVED: [Signature] DESIGN MANAGER DATE: 7/14/2016	CITY ENGINEER [Signature] DATE: 7/14/2016	
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LEGEND

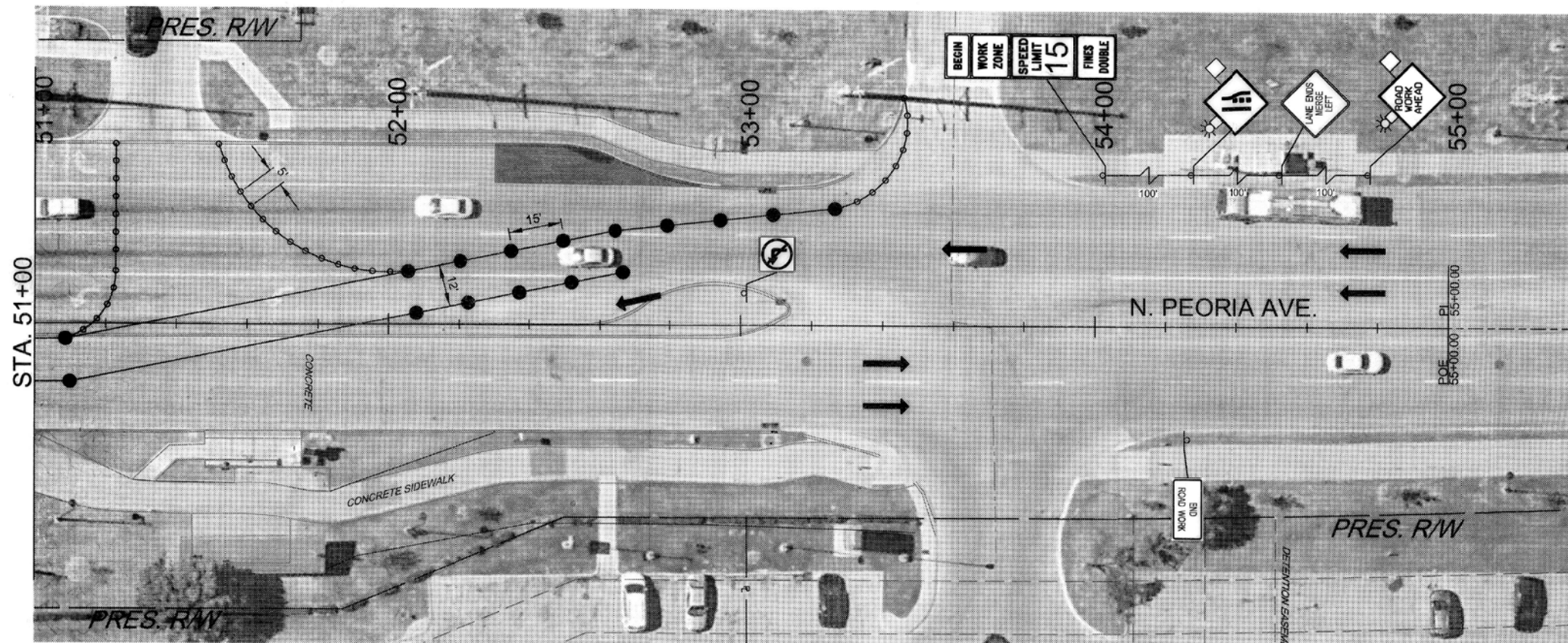
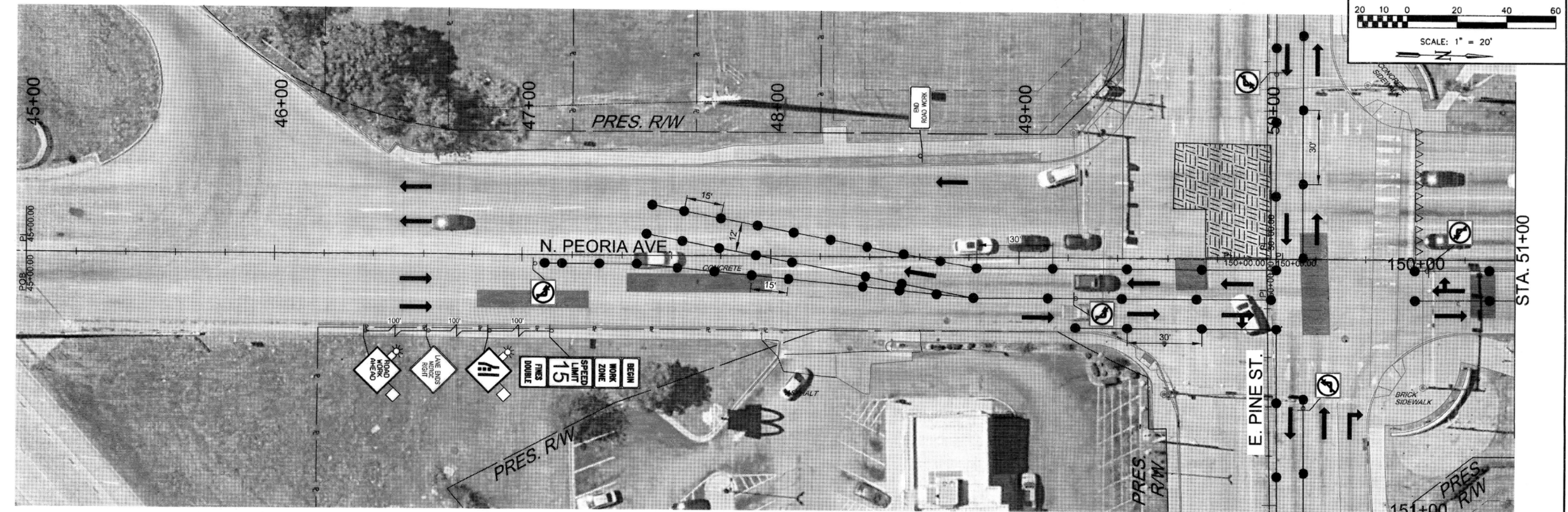
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ASSEMBLY
- CONSTRUCTION BARREL
- TUBULAR MARKERS
- CONSTRUCTION
- COMPLETED WORK

WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY



SUGGESTED SEQUENCE OF TRAFFIC CONTROL PHASE 1 (SHEET 4 OF 4) ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE, SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107	
	APPROVED:
PLAN SCALE 1" = 20'	DESIGNED: J.L.H. 10/24
PROFILE SCALE	SURVEY: ABW 06/17
HORIZONTAL:	PROJ. MGR. R.F. 9/24
N/A	LEAD MGR. D. 4/26
VERTICAL:	FIELD MGR. R.A. 4/26
N/A	RECOMMENDED:
FILE:	DATE: 7/14/2026
DRAWING:	CITY ENGINEER
ATLAS PAGE NO. 46, 47, 77 & 78	SHEET 29 OF 42 SHEETS

ADVERTISE DATE:		
REVISION	BY	DATE

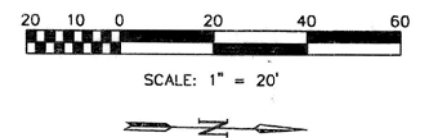


LEGEND

- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ASSEMBLY
- CONSTRUCTION BARREL
- TUBULAR MARKERS
- CONSTRUCTION
- COMPLETED WORK

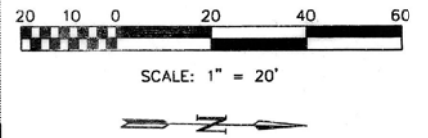
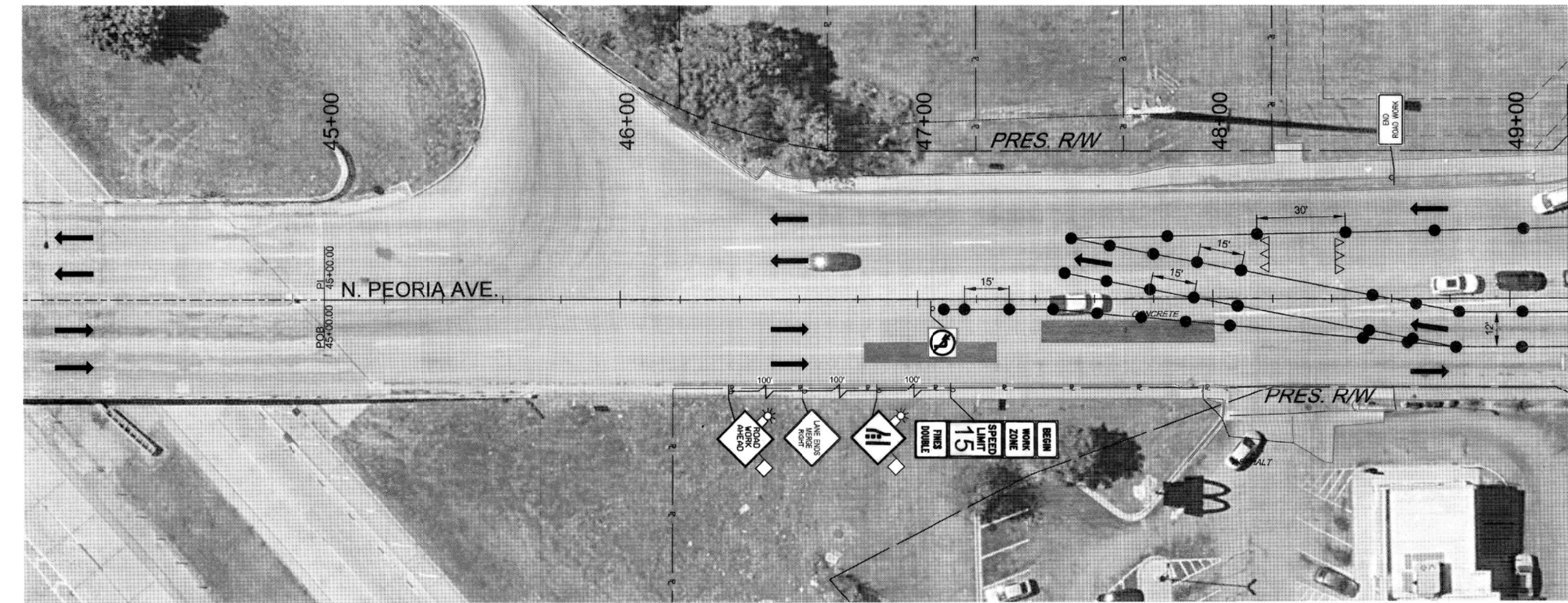
WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY

NOTE:
CONSTRUCT INTERSECTION PATCHES AT THE BEGINNING OF PHASE 2. DURING INTERSECTION CONSTRUCTION, RESTRICT TURNING MOVEMENTS.



SUGGESTED SEQUENCE OF TRAFFIC CONTROL PHASE 2 (SHEET 1 OF 3)	
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107	
	DRAWN JLH 10/24
	DESIGNED TJR 10/24
	SURVEY ABW 08/17
	PROJ. MGR. RF 9/24
	LEAD MGR. RF 9/25
FIELD MGR. RF 9/26	
RECOMMENDED:	
HHS 05-26	
DESIGN MANAGER	
DATE: 7/14/2026	
SHEET 30 OF 42 SHEETS	

ADVERTISE DATE:	BY:	DATE:
REVISION:		
FILE:		
DRAWING:		
ATLAS PAGE NO. 46, 47, 77 & 78		

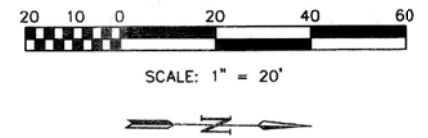
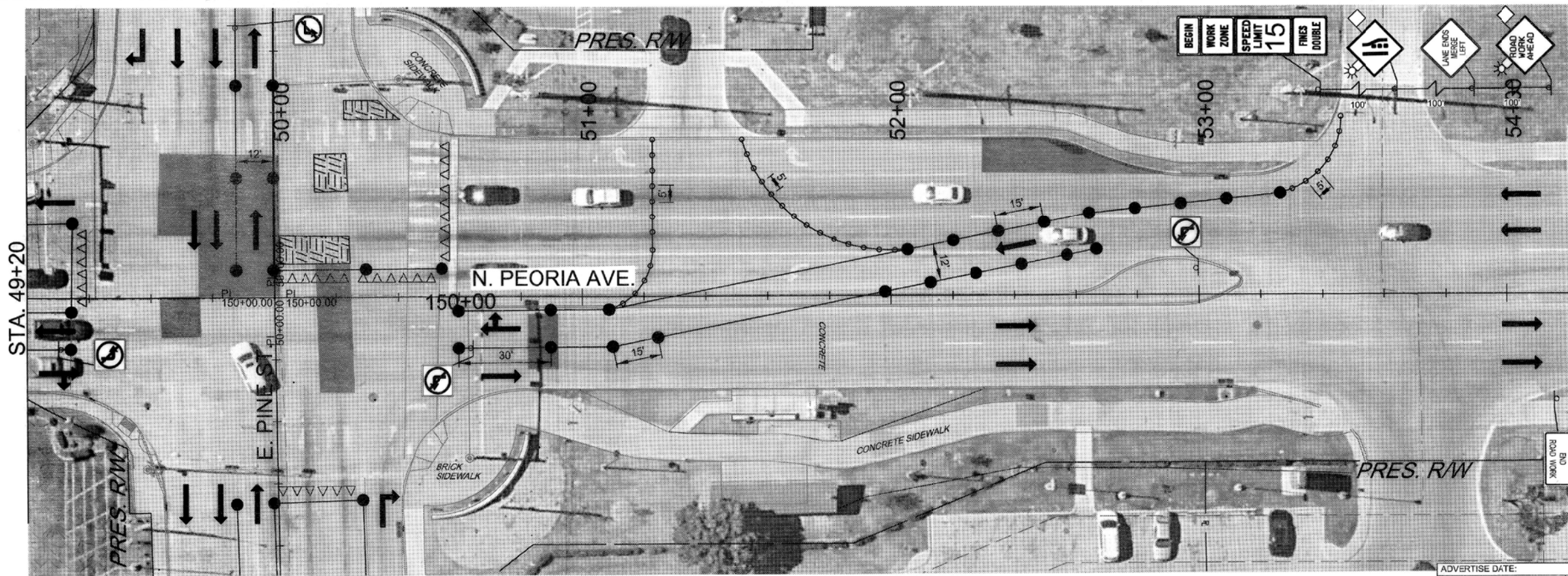


NOTE:
CONSTRUCT INTERSECTION PATCHES AT THE BEGINNING OF PHASE 3. DURING INTERSECTION CONSTRUCTION, RESTRICT TURNING MOVEMENTS.

LEGEND

- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ASSEMBLY
- CONSTRUCTION BARREL
- TUBULAR MARKERS
- CONSTRUCTION
- COMPLETED WORK

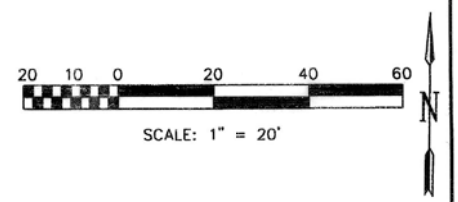
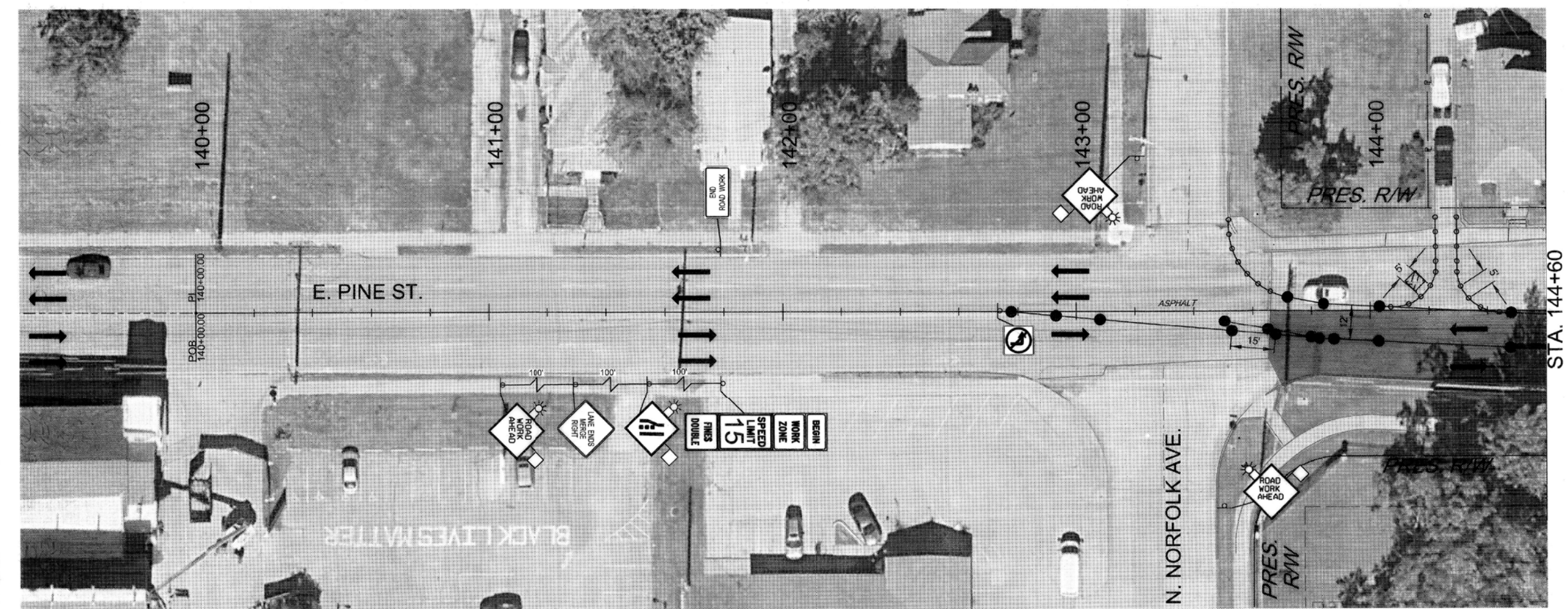
WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY



SUGGESTED SEQUENCE OF TRAFFIC CONTROL PHASE 3 (SHEET 1 OF 3) ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107				
	DRAWN	JLH	1/24	APPROVED: CITY ENGINEER
	DESIGNED	TJR	1/24	
	SURVEY	ABW	08/17	
	PROJ. MGR.	BF	9/24	
	LEAD MGR.	BF	9/26	
	FIELD MGR.	BF	9/26	
PLAN SCALE 1" = 20' PROFILE SCALE HORIZONTAL: N/A VERTICAL: N/A	RECOMMENDED: HKS 05-26			DATE: 7/14/2026 SHEET 33 OF 42 SHEETS
FILE:	DRAWING:			
ATLAS PAGE NO. 46, 47, 77 & 78				

ADVERTISE DATE:	BY	DATE
REVISION		

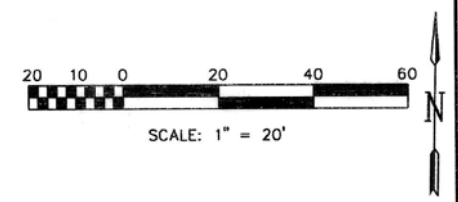
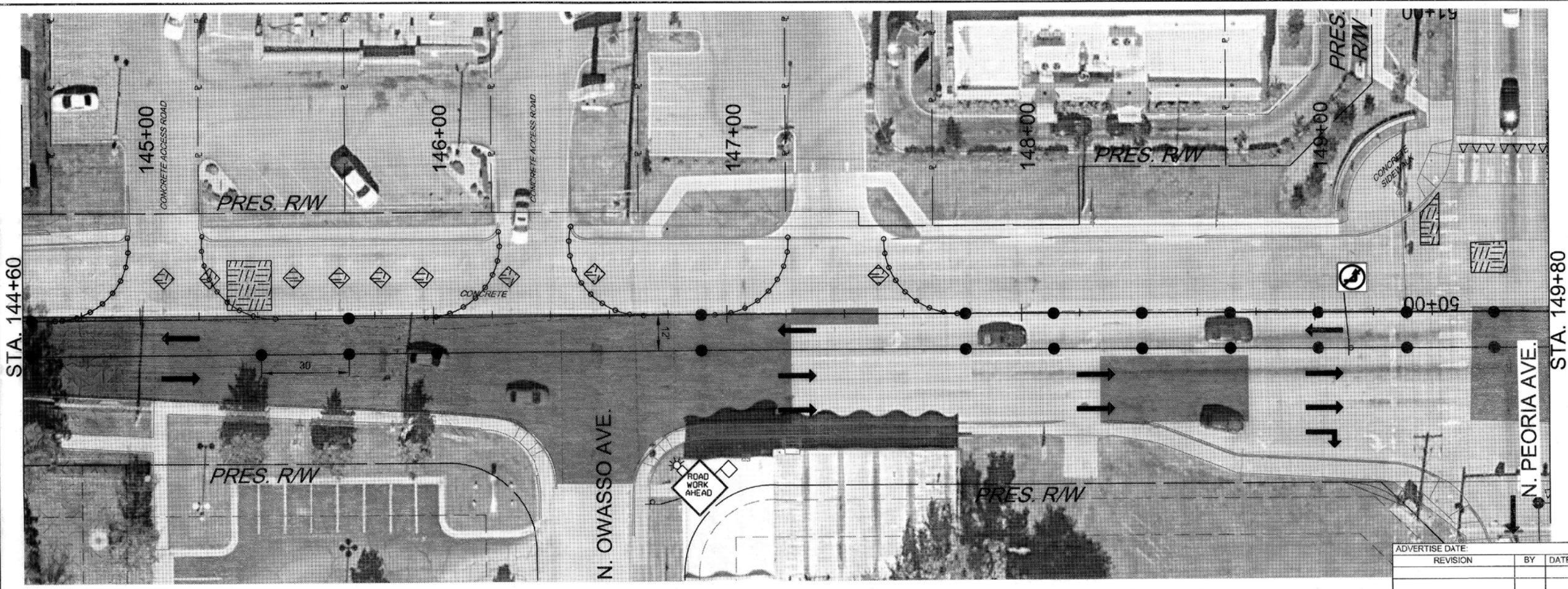
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NOTE:
CONSTRUCT INTERSECTION PATCHES AT THE BEGINNING OF PHASE 3. DURING INTERSECTION CONSTRUCTION, RESTRICT TURNING MOVEMENTS.

- LEGEND**
- DIRECTION OF TRAFFIC
 - TYPE III BARRICADE
 - TRAFFIC CONTROL SIGN ASSEMBLY
 - CONSTRUCTION BARREL
 - TUBULAR MARKERS
 - CONSTRUCTION
 - COMPLETED WORK

WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY

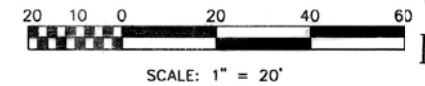
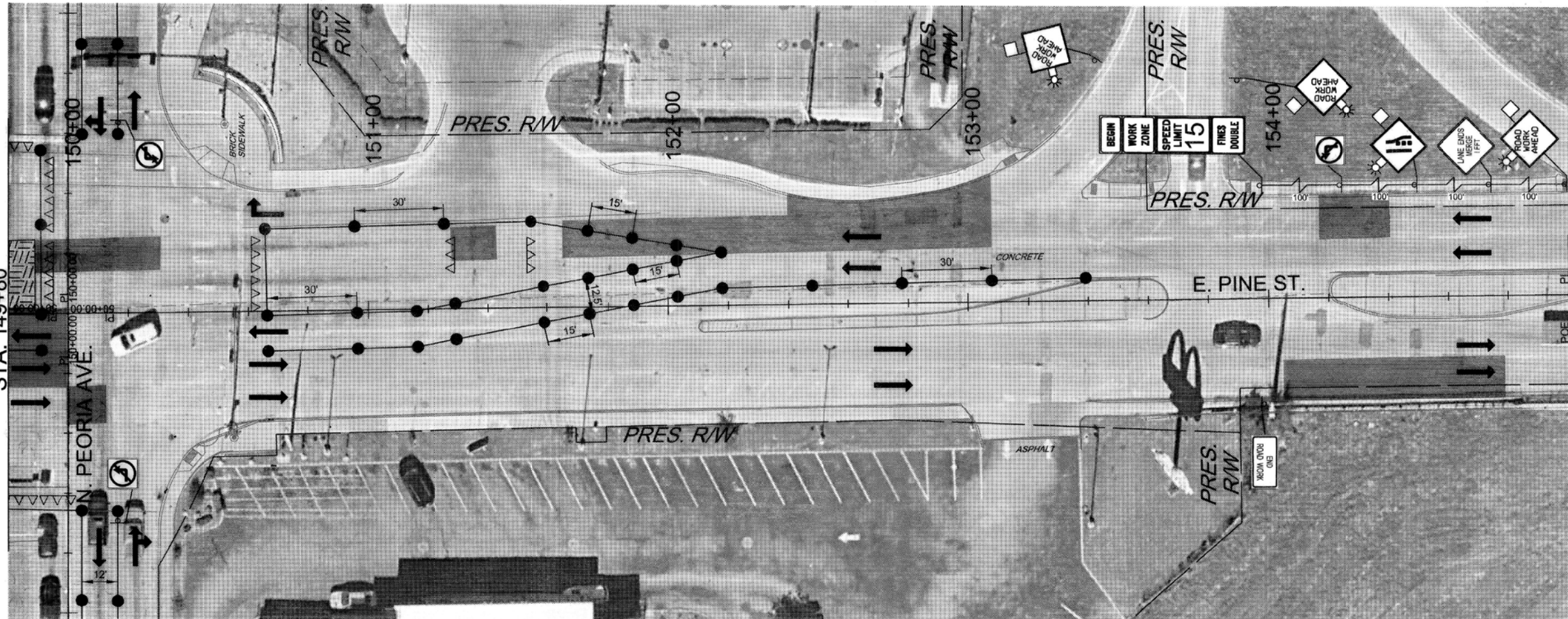


SUGGESTED SEQUENCE OF TRAFFIC CONTROL PHASE 3 (SHEET 2 OF 3) ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107			
	DRAWN	JLH	10/24
	DESIGNED	TJR	10/24
	SURVEY	ABW	06/17
	PROJ. MGR.	RF	9/26
	LEAD MGR.	RF	9/26
FIELD MGR.		RF	9/26
RECOMMENDED:			
VERTICAL:		4/15 05:26	
DESIGN MANAGER			
FILE:		DRAWING:	DATE: 1/14/2026
ATLAS PAGE NO. 46, 47, 77 & 78		SHEET 34 OF 42 SHEETS	

ADVERTISE DATE:	BY	DATE
REVISION		

STA. 149+80

STA. 155+00



NOTE:

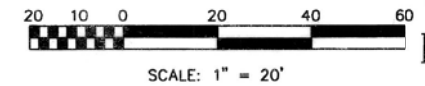
CONSTRUCT INTERSECTION PATCHES AT THE BEGINNING OF PHASE 3. DURING INTERSECTION CONSTRUCTION, RESTRICT TURNING MOVEMENTS.

LEGEND

- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ASSEMBLY
- CONSTRUCTION BARREL
- TUBULAR MARKERS
- CONSTRUCTION
- COMPLETED WORK

WARNING:

OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY



SUGGESTED SEQUENCE OF TRAFFIC CONTROL
PHASE 3 (SHEET 3 OF 3)
ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ



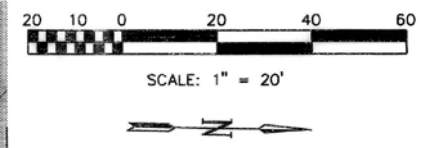
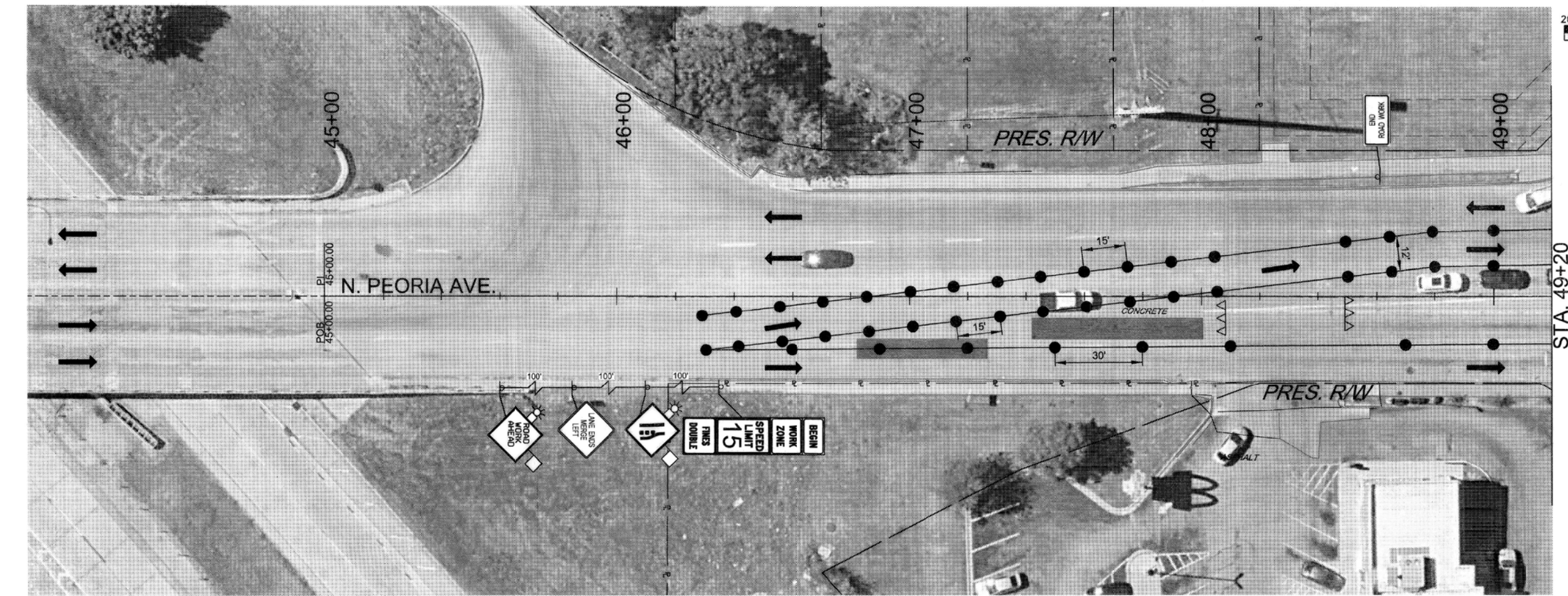
PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE. SUITE 1300 TULSA, OKLAHOMA 74136 Phone: (918) 250-5922 Fax: (918) 858-0107

DRAWN	JLH	10/24	APPROVED:
DESIGNED	TJR	10/24	
SURVEY	ABW	06/17	
PROJ. MGR.	RF	9/24	
LEAD MGR.	DP	10/24	
FIELD MGR.	mm	10/26	RECOMMENDED:

PLAN SCALE: 1" = 20'
PROFILE SCALE: HORIZONTAL: N/A VERTICAL: N/A
FILE: HRS 05-26 DATE: 7/14/2026
ATLAS PAGE NO. 46, 47, 77 & 78 SHEET 35 OF 42 SHEETS

ADVERTISE DATE:	REVISION	BY	DATE

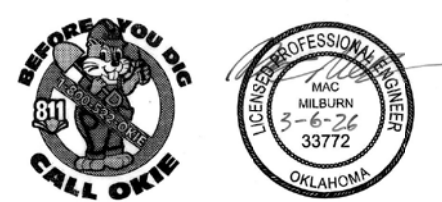
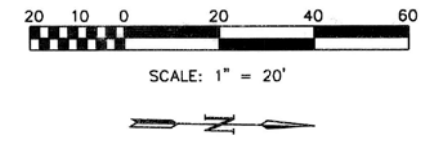
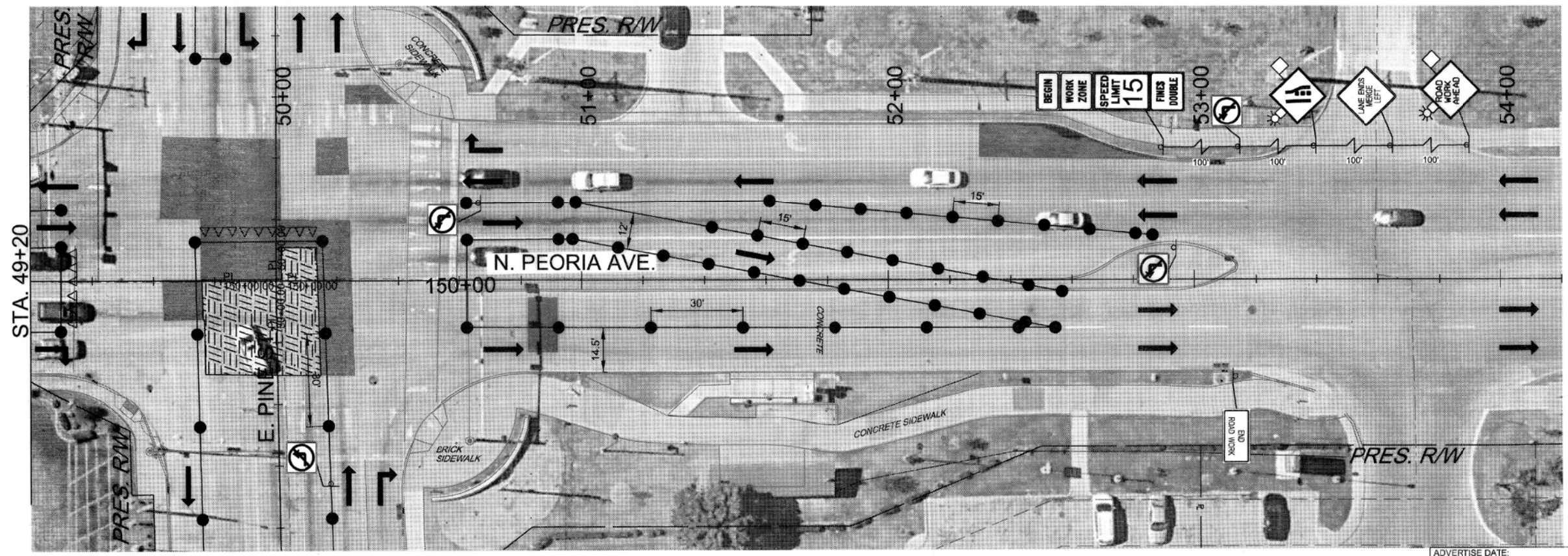
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NOTE:
CONSTRUCT INTERSECTION PATCHES AT THE BEGINNING OF PHASE 4. DURING INTERSECTION CONSTRUCTION, RESTRICT TURNING MOVEMENTS.

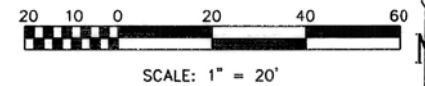
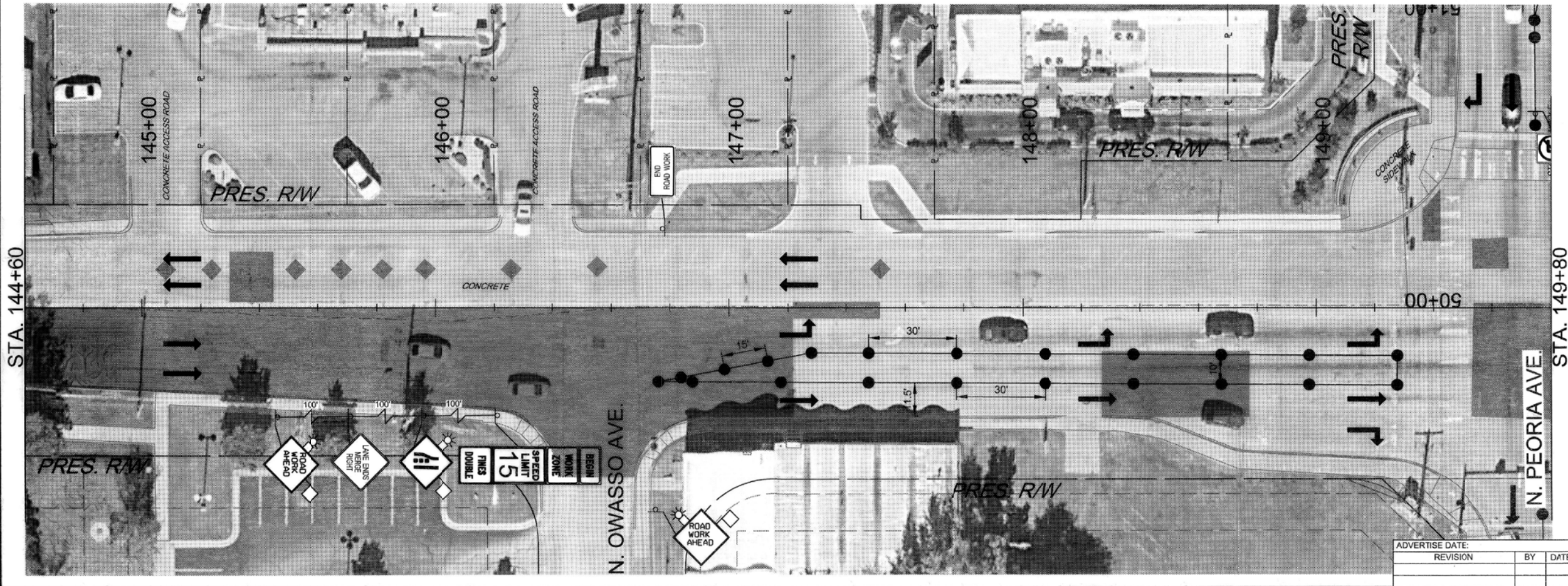
- LEGEND**
- DIRECTION OF TRAFFIC
 - TYPE III BARRICADE
 - TRAFFIC CONTROL SIGN ASSEMBLY
 - CONSTRUCTION BARREL
 - TUBULAR MARKERS
 - CONSTRUCTION
 - COMPLETED WORK

WARNING:
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY

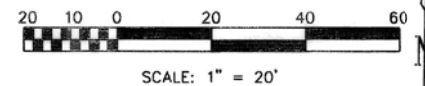


SUGGESTED SEQUENCE OF TRAFFIC CONTROL PHASE 4 (SHEET 1 OF 3) ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 253-5922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107	
	APPROVED:
DRAWN JHJ 10/24	DESIGNED TJR 10/24
SURVEY ABW 06/17	PROJ. MGR. RE 9/20
LEAD MGR. DP 9/20	FIELD MGR. JHJ 9/20
RECOMMENDED:	
HBS 05-26	
DATE: 7/14/2026	
SHEET 36 OF 42 SHEETS	

ADVERTISE DATE:	BY	DATE
REVISION		



SUGGESTED SEQUENCE OF TRAFFIC CONTROL PHASE 4 (SHEET 2 OF 3) ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107	
APPROVED:	
PLAN SCALE 1" = 20'	DATE: 7/18/2016
PROFILE SCALE HORIZONTAL: N/A	DATE: 7/18/2016
VERTICAL: N/A	DATE: 7/18/2016
FILE:	DATE: 7/18/2016
ADVERTISE DATE:	DATE: 7/18/2016
REVISION	DATE: 7/18/2016
BY	DATE: 7/18/2016
DATE	DATE: 7/18/2016
ATLAS PAGE NO. 46, 47, 77 & 78	
SHEET 37 OF 42 SHEETS	



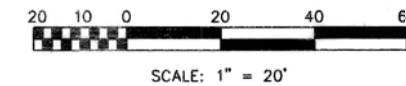
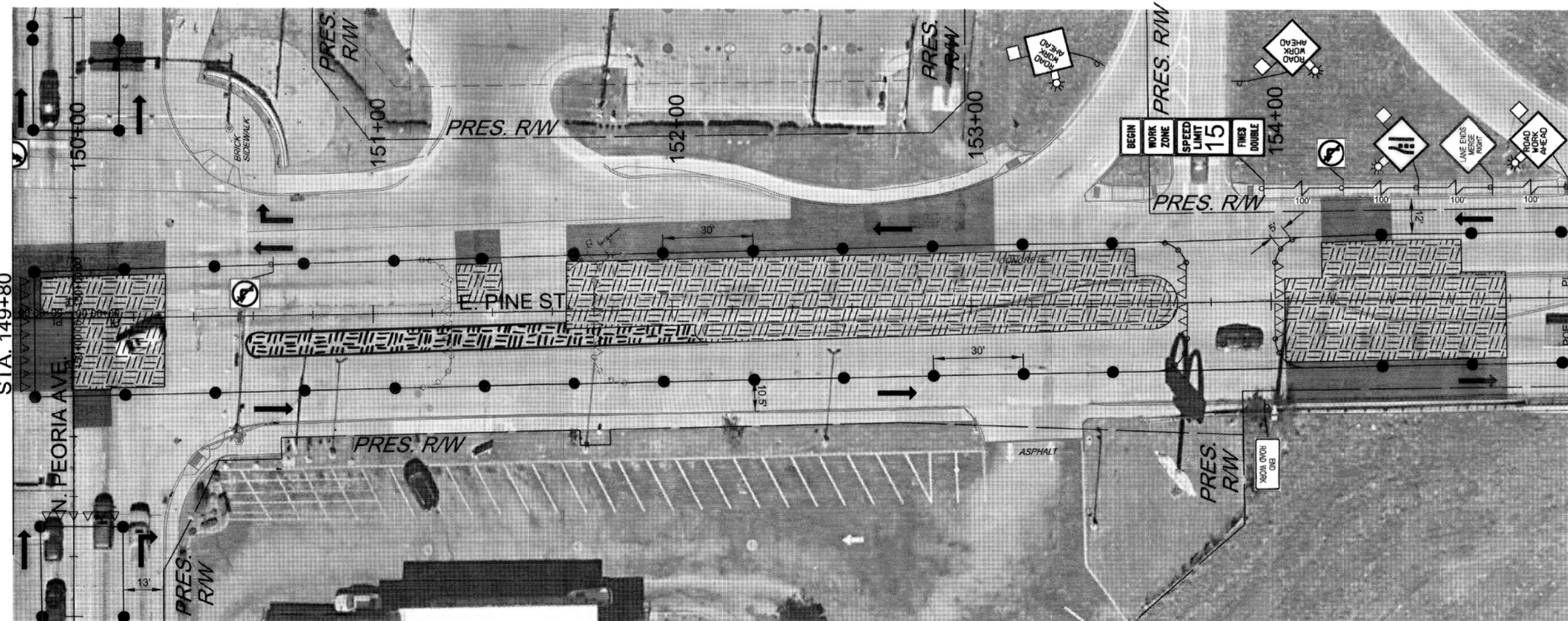
LEGEND

- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ASSEMBLY
- CONSTRUCTION BARREL
- TUBULAR MARKERS
- CONSTRUCTION
- COMPLETED WORK

WARNING:

OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY

STA. 149+80



NOTE:

CONSTRUCT INTERSECTION PATCHES AT THE BEGINNING OF PHASE 4. DURING INTERSECTION CONSTRUCTION, RESTRICT TURNING MOVEMENTS.

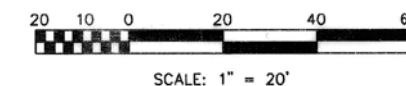
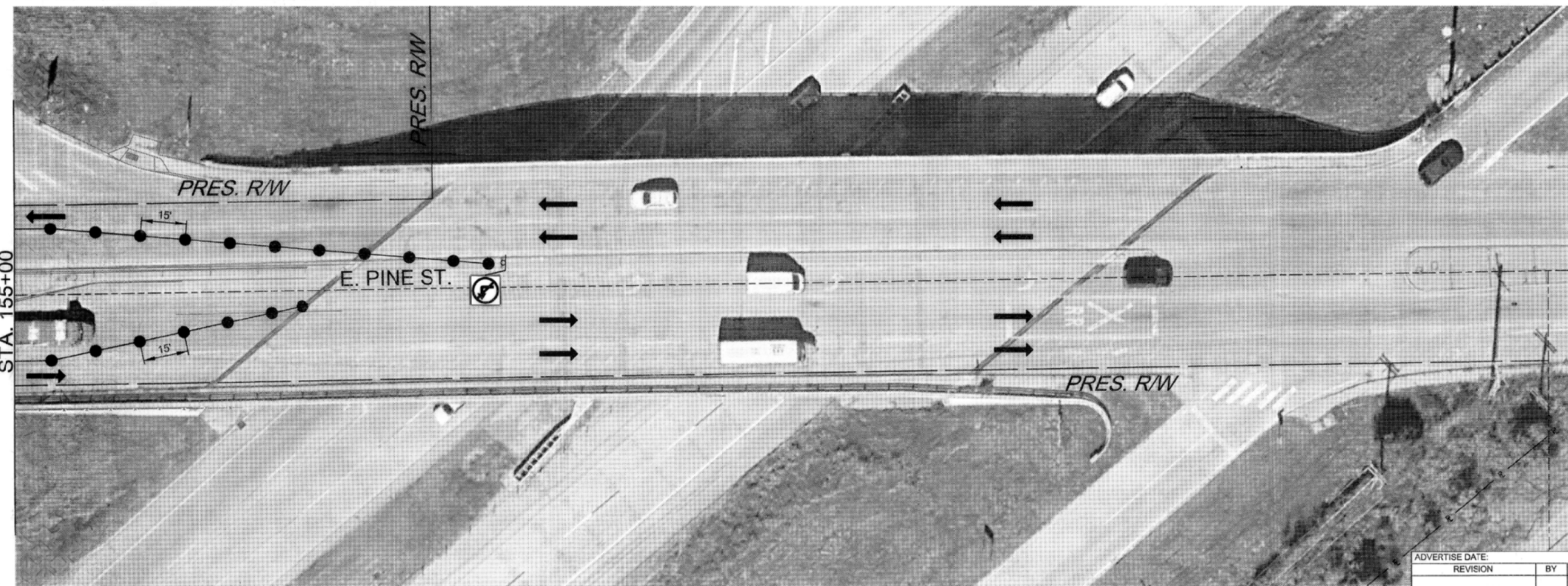
LEGEND

- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TRAFFIC CONTROL SIGN ASSEMBLY
- CONSTRUCTION BARREL
- TUBULAR MARKERS
- CONSTRUCTION
- COMPLETED WORK

WARNING:

OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY

STA. 155+00



SUGGESTED SEQUENCE OF TRAFFIC CONTROL
 PHASE 4 (SHEET 3 OF 3)
 ARTERIAL STREET REHAB
 E. PINE ST. & N. PEORIA AVE. INTERSECTION
 PROJECT NO. 144017-AQ

CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS DEPARTMENT



PLANS AND ESTIMATES PREPARED BY:
 6100 S. YALE AVE. SUITE 1300 Phone: (918) 259-5922
 TULSA, OKLAHOMA 74136 Fax: (918) 656-0107

DRAWN	JLH	10/24
DESIGNED	TJR	10/24
SURVEY	ABW	08/17
PROJ. MGR.	RF	9/24
LEAD MGR.	RF	9/25
FIELD MGR.	RF	9/26

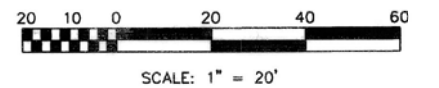
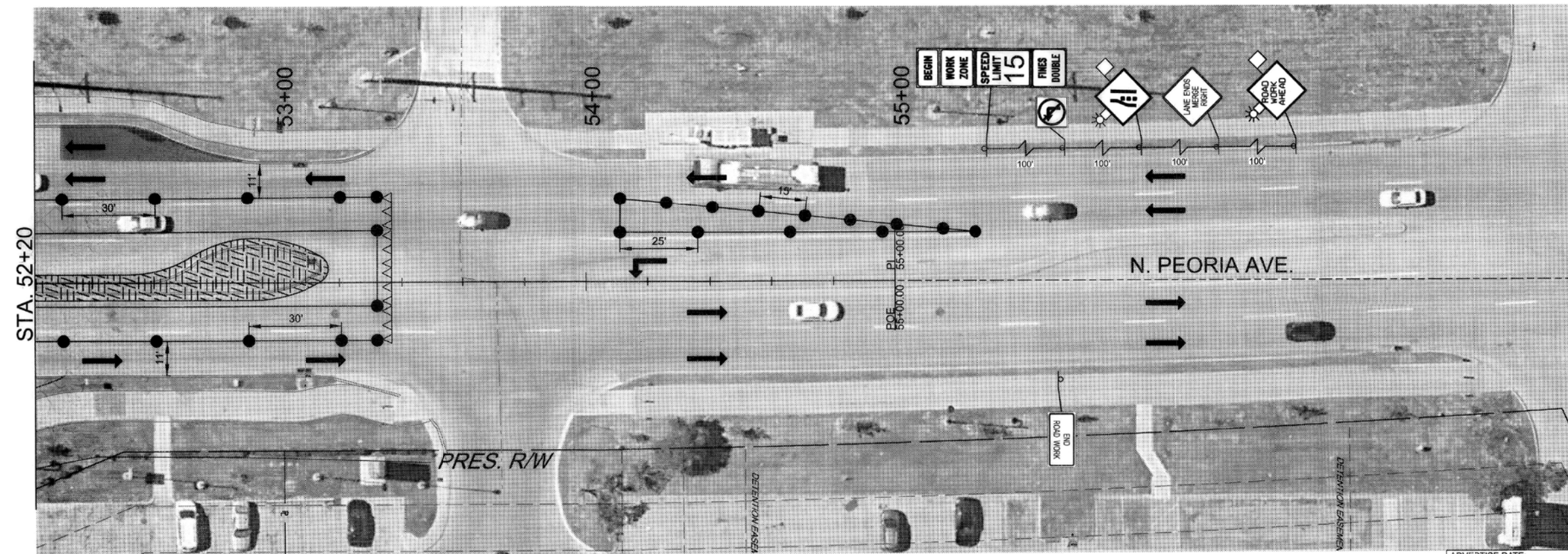
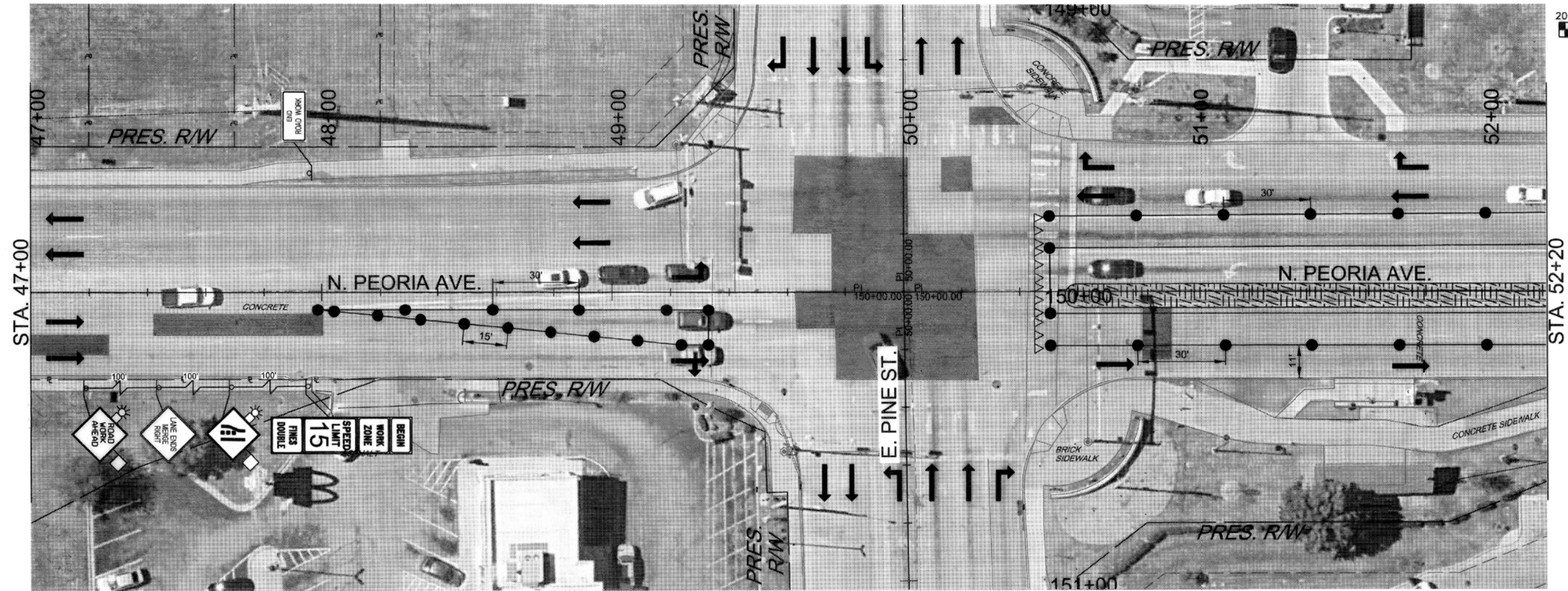
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DATE: 05-26
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DATE: 7/14/2026
 CITY ENGINEER

ADVERTISE DATE:	REVISION	BY	DATE

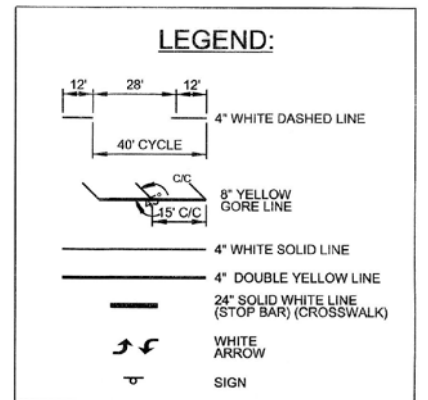
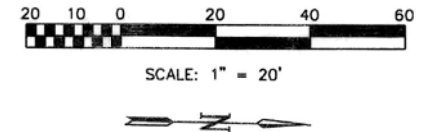
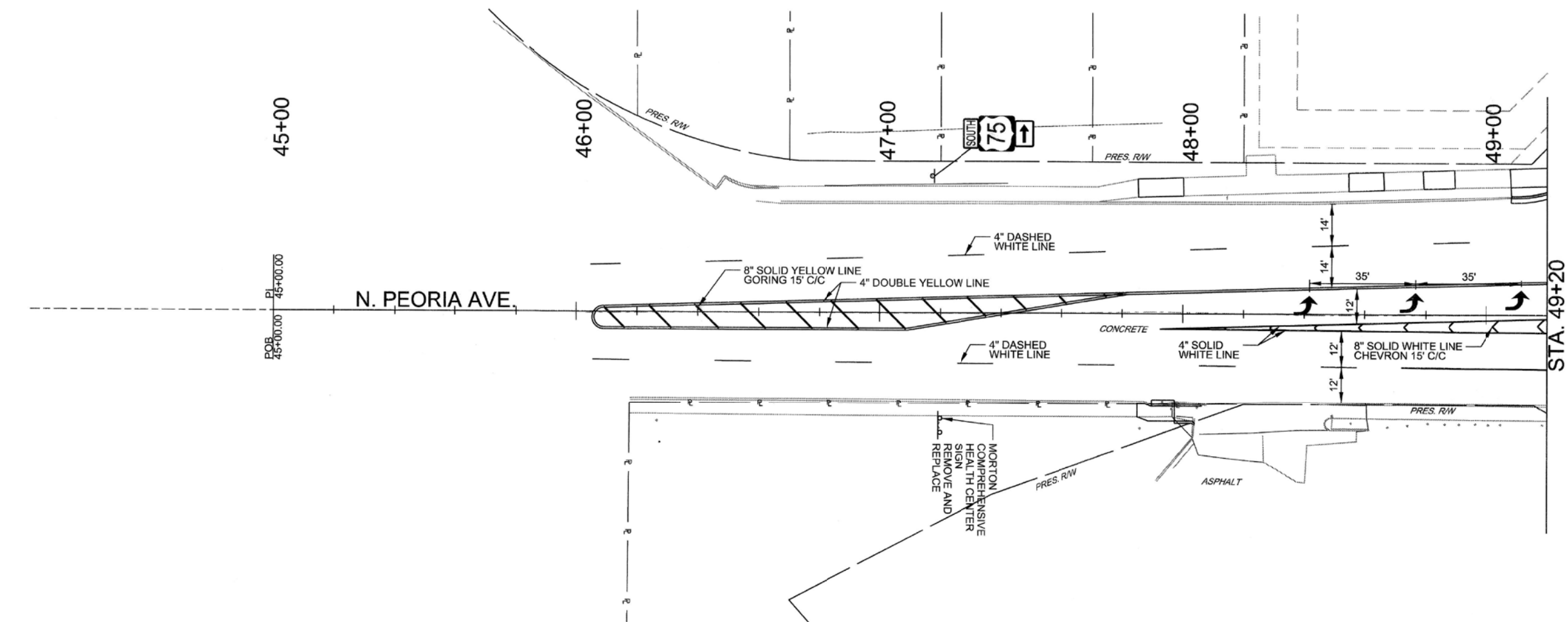
ATLAS PAGE NO. 46, 47, 77 & 78 SHEET 38 OF 42 SHEETS



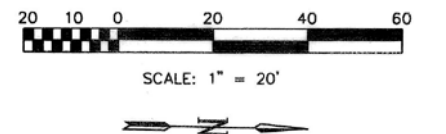
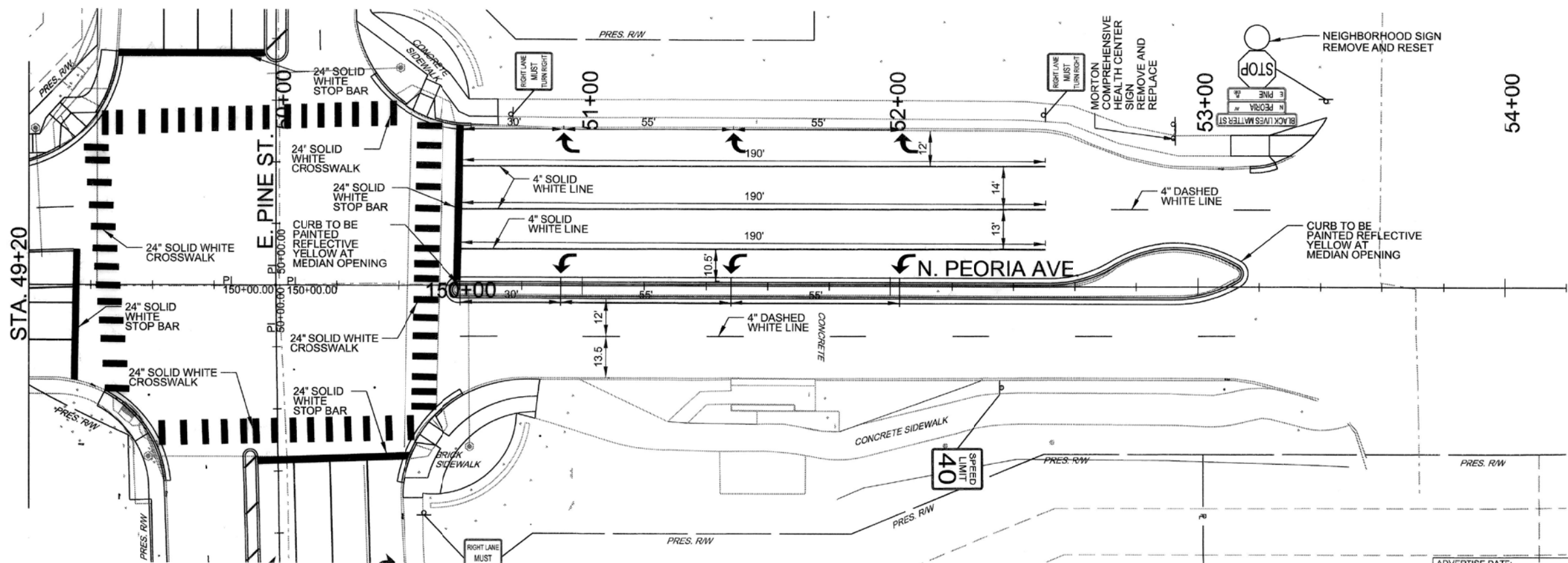
SUGGESTED SEQUENCE OF TRAFFIC CONTROL PHASE 5 (SHEET 1 OF 1) ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 260-5922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107	
	APPROVED:
	DRAWN: J.L.H. 10/24
	DESIGNED: T.J.R. 10/24
	SURVEY: A.B.W. 06/17
	PROJ. MGR: R.F. 9/10
PLAN SCALE 1" = 20' PROFILE SCALE HORIZONTAL: N/A VERTICAL: N/A	LEAD MGR: J.F. 9/26
	FIELD MGR: J.F. 9/26
RECOMMENDED:	
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DATE: 7/14/2024	
SHEET 39 OF 42 SHEETS	

ADVERTISE DATE:	BY:	DATE:
REVISION:		

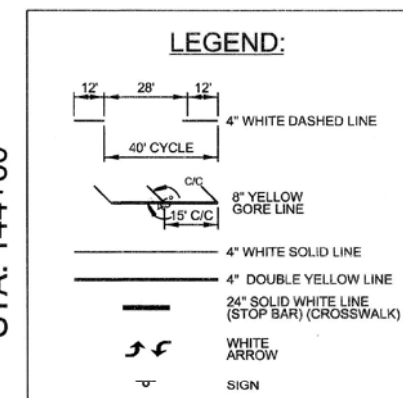
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WARNING:
OVERHEAD AND UNDERGROUND
UTILITIES IN PROJECT
VICINITY



SIGNING AND STRIPING PLAN (SHEET 1 OF 3)	
ARTERIAL STREET REHAB E. PINE ST. & N. PEORIA AVE. INTERSECTION PROJECT NO. 144017-AQ	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE, SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 856-0107	
	APPROVED:
DRAWN JLH 10/24	DESIGNED TJR 10/24
SURVEY ABW 06/17	PROJ. MGR. RP 5/26
LEAD MGR. BS 6/26	FIELD MGR. JPM 4/26
RECOMMENDED:	
PLAN SCALE 1\"/>	VERTICAL: N/A
PROFILE SCALE HORIZONTAL: N/A	DESIGN MANAGER DATE: 1/14/2026
ADVERTISE DATE: REVISION	BY DATE
FILE:	DRAWING:
ATLAS PAGE NO. 46, 47, 77 & 78	SHEET 40 OF 42 SHEETS

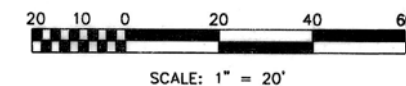
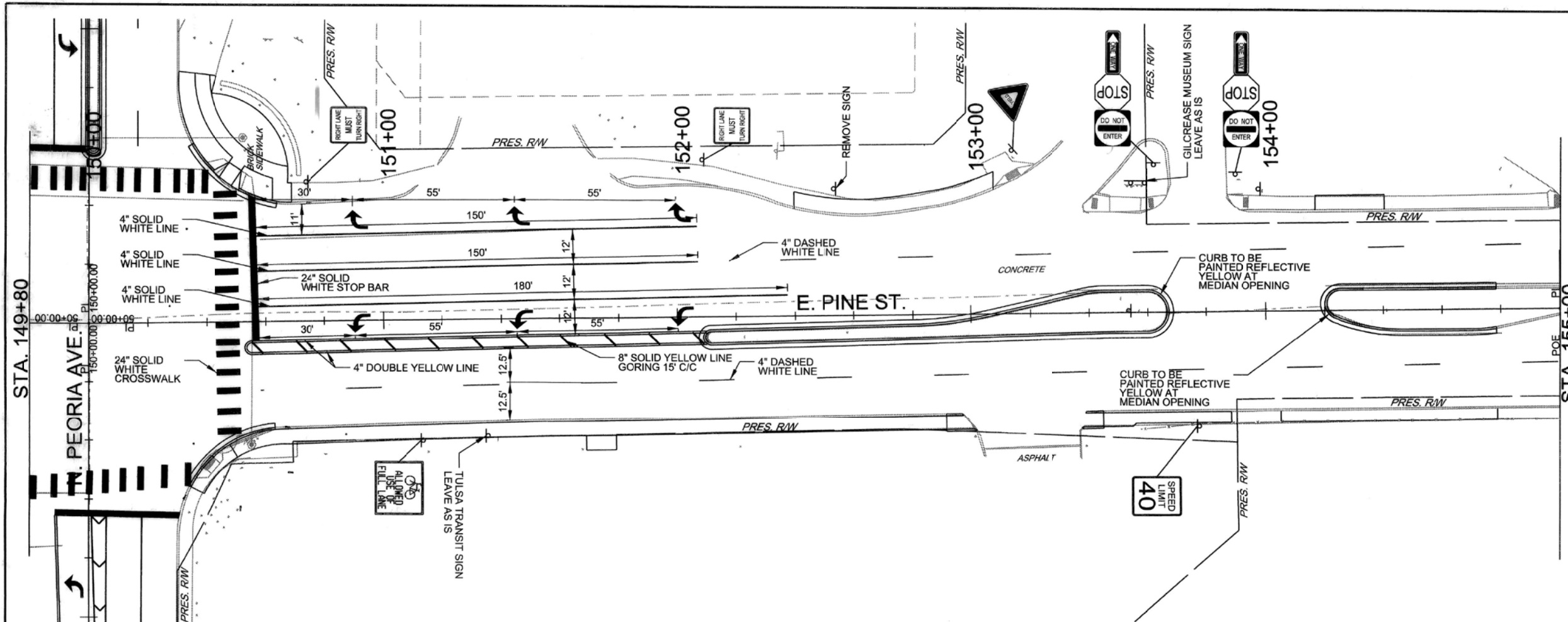


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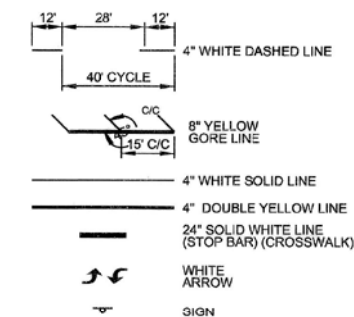


E NO. 46, 47, 77 & 78	SHEET 41 OF 42 SHEET
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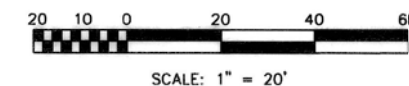
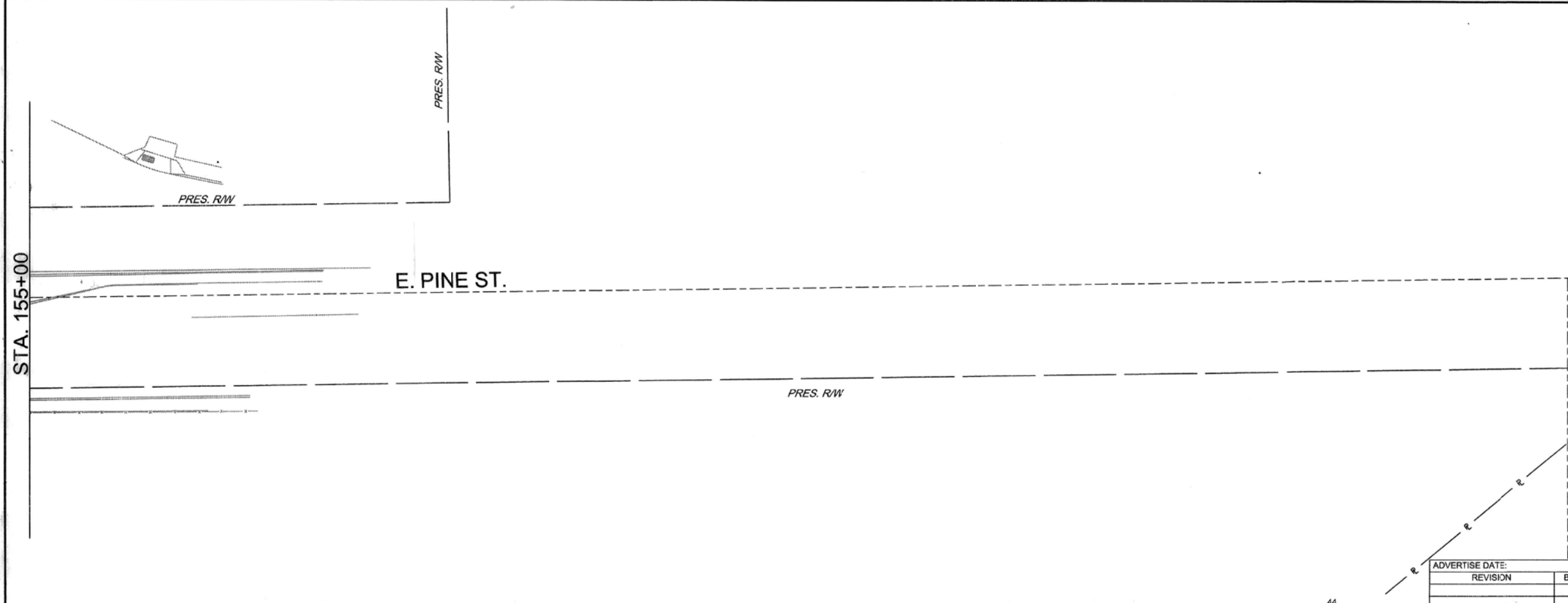


LEGEND:



WARNING:

OVERHEAD AND UNDERGROUND
UTILITIES IN PROJECT
VICINITY



SIGNING AND STRIPING PLAN (SHEET 3 OF 3)

ARTERIAL STREET REHAB
E. PINE ST. & N. PEORIA AVE. INTERSECTION
PROJECT NO. 144017-AQ

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922
TULSA, OKLAHOMA 74136 Fax: (918) 858-3107

DRAWN: JLH 10/24
DESIGNED: TJR 10/24
SURVEY: ABW 08/17
PROJ. MGR: RE 5-20

LEAD MGR: JSB 04/26
FIELD MGR: TMM 04/26
RECOMMENDED:

PLAN SCALE
1" = 20'
PROFILE SCALE
HORIZONTAL:
N/A
VERTICAL:
N/A

DESIGN MANAGER: HKS 05-26

FILE: DATE: 7/4/2021

CITY ENGINEER: [Signature]
DATE: 7/4/2021

ATLAS PAGE NO. 46, 47, 77 & 78

SHEET 42 OF 42 SHEETS