

GENERAL NOTES

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

CURRENT CITY OF TULSA STANDARD SPECIFICATIONS, GENERAL PROVISIONS, AND STANDARD DETAILS GOVERN. ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE OKLAHOMA D.O.T. 2019 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

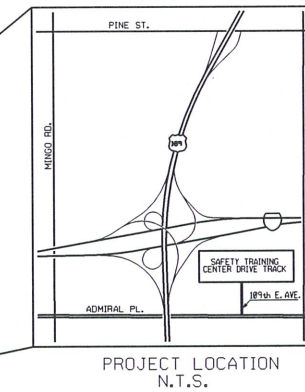
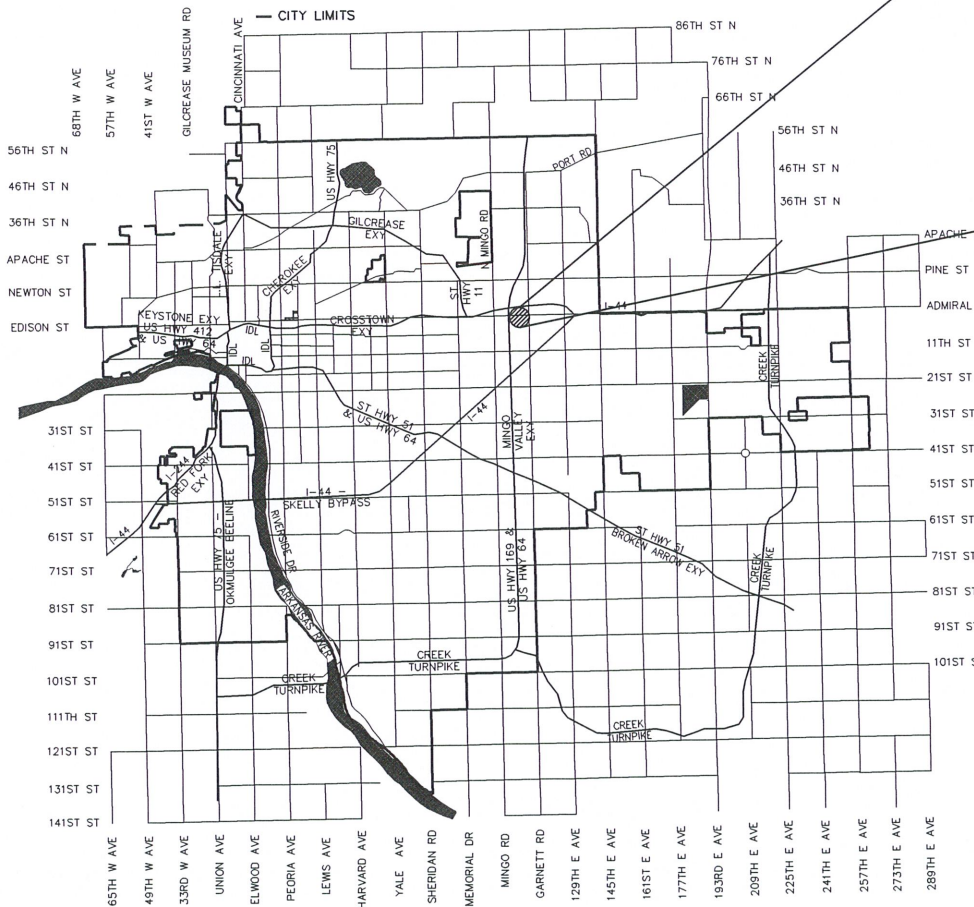
ENTIRE PROJECT IS WITHIN CORPORATE LIMITS OF CITY OF TULSA.

CONSTRUCTION PLANS FOR STREET REHABILITATION CITY OF TULSA SAFETY TRAINING CENTER DRIVING TRACK

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4-5	TYPICAL SECTIONS
6	GEOMETRIC LAYOUT
7	INLET REPLACEMENTS
8	ROADWAY KEYMAP
9	STAGING ROAD PLAN & PROFILE

UTILITY COORDINATION BOX			
		NUMBER	NOTIFIED
AT&T	ALFRED NICHOLS	918.444.1069	an9488@aatt.com
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CITY OF TULSA UTILITY COORDINATOR	TONY GLYNN	918.596.9245	tglynn@cityoftulsa.org
METROLINK TULSA	ERIC SMITH	918.830.0024	info@tulsastransit.org

PUBLIC WORKS DEPARTMENT
CITY OF TULSA, OKLAHOMA



City of Tulsa Standards

- 608A STREET NAME SIGNS
- 608B TRAFFIC SIGNS
- 713 PAVEMENT REMOVAL AND REPLACEMENT
- 714 PAVEMENT CUTS
- 725 STANDARD PAVEMENT PATCH AND REPAIR
- 726 ASPHALT PAVEMENT STANDARD DETAILS FOR RESIDENTIAL AND COLLECTOR STREETS
- 727 CONCRETE PAVEMENT STANDARD DETAILS FOR RESIDENTIAL AND COLLECTOR STREETS
- 729 CONCRETE PAVEMENT STANDARD DETAILS FOR RESIDENTIAL AND COLLECTOR STREETS (2 OF 2)
- 730 STANDARD ASPHALT PAVEMENT CUT AND REPAIR
- 731 STANDARD CONCRETE PAVEMENT CUT AND REPAIR
- 733 STANDARD PAVEMENT REHABILITATION FOR UTILITY CONSTRUCTION
- 751 PIPE BEDDING DETAIL FOR STORM SEWER
- 761 STANDARD INLETS AND GRATES W/ACCESS MANHOLE BACK OF CURB
- 762 PRECAST STANDARD INLETS AND GRATES W/ACCESS MANHOLE BACK OF CURB


ODOT Standards

- TESCA-0-0
- SSS-1-0
- CSCD-6-2
- LECS-5-2
- LTU-5-1
- PCPR-4-2
- PSMD-2-0
- SMD-4-2
- CDIB-2-2
- CDIP-2-2
- MJB-4-2
- PRM-1-2
- PMD-1-1
- SPI-5-2
- FHTCP-4-1

Symbol Legend

- | | | | |
|--|--------------------------|--|-----------------------------|
| | CABLE / TV / DATA BOX | | DECIDUOUS TREE (ALL TYPES) |
| | ELECTRIC METER | | CONIFEROUS TREE (ALL TYPES) |
| | ELECTRIC BOX | | FENCE LINE (ALL TYPES) |
| | ELECTRIC TRANSFORMER | | STORM SEWER |
| | FIRE HYDRANT | | SANITARY SEWER |
| | FLAGPOLE | | WATERLINE |
| | GAS METER | | OVERHEAD ELECTRIC |
| | GAS VALVE | | OVERHEAD TELEPHONE |
| | GUY ANCHOR | | NATURAL GAS LINE |
| | IRRIGATION CONTROL VALVE | | UNDERGROUND TELEPHONE |
| | LIGHT POLE | | UNDERGROUND ELECTRIC |
| | MAILBOX | | UNDERGROUND CABLE |
| | POWER POLE | | EXISTING MINOR CONTOUR |
| | TRAFFIC SIGN | | EXISTING MAJOR CONTOUR |
| | SANITARY SEWER CLEANOUT | | BORE LOCATION |
| | SANITARY SEWER MANHOLE | | SITE BENCHMARK |
| | STORM WATER MANHOLE | | |
| | SPRINKLER HEAD | | |
| | TELEPHONE PEDESTAL | | |
| | WATER METER | | |
| | WATER VALVE | | |

In accordance with ODOT Section 105.14, the COT is anticipating that the successful contractor will utilize the appropriate means and methods to accomplish the work described in the plans without causing collateral damage to the existing infrastructure. The plans are set up with the expectation of performing patching and concrete work prior to milling operations to minimize construction traffic loadings to reduced capacity street sections. Further, the anticipated construction phasing will minimize the time between milling and new asphalt placement. Leaving open milled sections will be at the Contractor's risk in the event that local or construction traffic causes damage to previously undamaged area. Current COT construction budgets do not allow for growth of the project.

APPROVED: 
CITY ENGINEER

9/23/24
DATE

SUMMARY OF SURFACING - BASE BID

SHEET NO.	STREET	STATION TO STATION		UNCLASSIFIED EXCAVATION 203(A)	SOLID SLAB SODDING 230(A)	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	FABRIC REINFORCEMENT 409(A)	SUPERPAVE TYPE S3 (PG 64-22 OK) 411(B)	SUPERPAVE TYPE S4 (PG 64-22 OK) 411(C)	SUPERPAVE TYPE S5 (PG 64-22 OK) 411(D)	DOWEL JOINTED P.C.C. PAVT. (PLACEMENT) 414(B)	P.C. CONCRETE PAVEMENT 414(G)	CONCRETE GUTTER 609(B)
				SY	SY	CY	SY	SY	SY	TON	TON	TON	SY	CY	LF
	N 109th E Ave	10+67.00	TO 14+37.00		246.67				986.67		110.51	13.81			740.00
	N 109th E Ave	14+37.00	TO 30+93.00		1,104.00				4,416.00		494.61	61.83			3,312.00
	E 36 St N	40+00.00	TO 50+70.00		713.33	11.19	33.56	50.33	2,853.33		319.59	39.95	33.56	7.46	2,140.00
	E 36 St N	50+70.00	TO 57+27.00												
	N 78 E	70+00.00	TO 72+85.00												
	N 78 E	72+85.00	TO 77+75.00		326.67				3,288.89		368.37	46.05			980.00
	N 78 E	77+75.00	TO 82+56.00	1,276.56	320.67	871.30	2,613.89	3,255.22					2,293.22	509.60	962.00
	N 79 E	85+00.00	TO 89+95.00	1,297.28	330.00	886.81	2,660.44	3,320.44					2,330.44	517.88	990.00
	E Port Road	100+00.00	TO 105+33.00		355.33				1,802.44		201.88	25.24			1,066.00
	N 107th	110+11.00	TO 110+90.00		52.67				249.00		27.89	3.49			158.00
	N 107th	110+90.00	TO 111+81.00												
	N 107th	112+81.00	TO 114+11.00												
	N 107th	114+11.00	TO 116+14.00		135.33				541.33		60.63	7.58			406.00
	N Mingo Road	120+00.00	TO 126+90.00		460.00				1,888.89		211.57	26.45			1,380.00
	Cul-De-Sac	130+00.00	TO 130+90.00		60.00				700.67		78.48	9.81	167.00	34.00	180.00
	TC PARKING N		TO		0.00				684.00		76.61	9.58			
	TC PARKING S		TO		0.00				739.67		82.85	10.36			
			TOTALS	2,573.84	4,104.67	1,769.30	5,307.89	6,626.00	18,150.89	0.00	2,032.99	254.12	4,824.22	1,068.94	12,314.00

SPECIAL CONSTRUCTION NOTES:

- 1) CONTRACTOR WILL COORDINATE WITH TRAINING CENTER STAFF TO DETERMINE SCHEDULE OF CONSTRUCTION ACTIVITIES AT ALL TIMES.
- 2) ALL MILLINGS TO REMAIN WITH THE CITY AND STOCKPILED AT A DESIGNATED LOCATION ON THE TRAINING CENTER PROPERTY.
- 3) ALL PARKING SPACES, EXISTING AND PROPOSED, WILL INCLUDE NEW CONCRETE BUMPERS. COST ASSOCIATED TO BE INCLUDED IN OTHER BID ITEMS.

SUMMARY OF SURFACING - STAGING ROAD - ADD ALTERNATE 1

SHEET NO.	STREET	STATION TO STATION		UNCLASSIFIED EXCAVATION 203(A)	SOLID SLAB SODDING 230(A)	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	FABRIC REINFORCEMENT 409(A)	SUPERPAVE TYPE S3 (PG 64-22 OK) 411(B)	SUPERPAVE TYPE S4 (PG 64-22 OK) 411(C)	SUPERPAVE TYPE S5 (PG 64-22 OK) 411(D)	DOWEL JOINTED P.C.C. PAVT. (PLACEMENT) 414(B)	P.C. CONCRETE PAVEMENT 414(G)	CONCRETE GUTTER 609(B)
				SY	SY	CY	SY	SY	SY	TON	TON	TON	SY	CY	LF
	STAGING ROAD	147+00.00	TO 150+69.00	492.00	123.00	328.00	984.00	1,230.00		275.53	110.21				0.00

SUMMARY OF SURFACING - ADDITIONAL PARKING - ADD ALTERNATE 2

SHEET NO.	STREET	STATION TO STATION		UNCLASSIFIED EXCAVATION 203(A)	SOLID SLAB SODDING 230(A)	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	FABRIC REINFORCEMENT 409(A)	SUPERPAVE TYPE S3 (PG 64-22 OK) 411(B)	SUPERPAVE TYPE S4 (PG 64-22 OK) 411(C)	SUPERPAVE TYPE S5 (PG 64-22 OK) 411(D)	DOWEL JOINTED P.C.C. PAVT. (PLACEMENT) 414(B)	P.C. CONCRETE PAVEMENT 414(G)	CONCRETE GUTTER 609(B)
				SY	SY	CY	SY	SY	SY	TON	TON	TON	SY	CY	LF
	STORAGE PARKING		TO	373.33	597.33	448.00	1,344.00	2,538.67		209.08	83.63				1,792.00

SUMMARY OF QUANTITIES (1 OF 2)

SAFETY TRAINING CENTER DRIVING TRACK

CITY OF TULSA, OKLAHOMA PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	DESIGNED	PROJECT MGR.	LEAD ENGR.	FIELD MGR.	RECOMMENDED:	DESIGN MANAGER	CITY ENGINEER
			1"=20'								
			PROFILE SCALE								
			HORIZONTAL 1"=20'								
			VERTICAL 1"=5'								
			FILE:	DRAWING:							DATE
			ATLAS PAGE NO:	174							SHEET 2 OF 9 SHEETS



SUMMARY OF REMOVALS						
SHEET NO.	STREET	STATION TO STATION		COLD MILLING 412	REMOVAL OF CURB 619(B)	REMOVAL OF PAVEMENT 619(B)
				SY	LF	LF
	N 109th E Ave	10+67.00	TO 14+37.00		740.00	
	N 109th E Ave	14+37.00	TO 30+93.00	4,416.00	3,312.00	
	E 36 St N	40+00.00	TO 50+70.00	2,853.33	2,140.00	
	E 36 St N	50+70.00	TO 57+27.00			
	N 78 E	70+00.00	TO 72+85.00			
	N 78 E	72+85.00	TO 77+75.00	3,288.89	980.00	
	N 78 E	77+75.00	TO 82+56.00		962.00	1,282.67
	N 79 E	85+00.00	TO 89+95.00		990.00	1,320.00
	E Port Road	100+00.00	TO 105+33.00	1,802.44	1,066.00	
	N 107th	110+11.00	TO 110+90.00	249.00	158.00	
	N 107th	110+90.00	TO 111+81.00			
	N 107th	112+81.00	TO 114+11.00			
	N 107th	114+11.00	TO 116+14.00	541.33	406.00	
	N Mingo Road	120+00.00	TO 126+90.00	1,888.89	1,380.00	
	Cul-De-Sac	130+00.00	TO 130+90.00	700.67	180.00	
	TC PARKING N					
	TC PARKING S			739.67		
			TOTALS	16,480.22	12,314.00	2,602.67

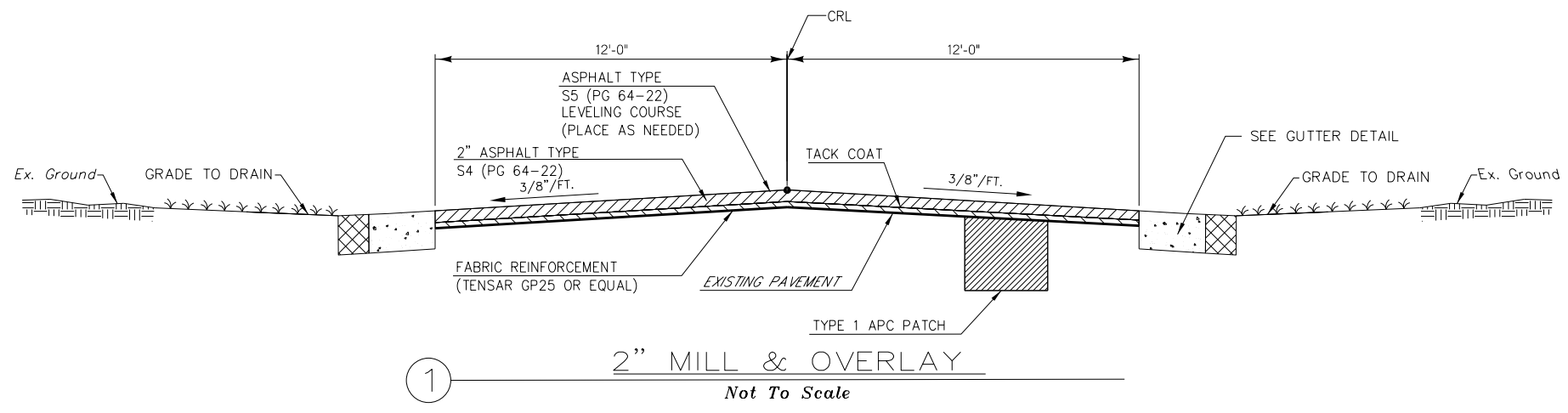
SUMMARY OF PATCHING											
SHEET NO.	STREET	STATION TO STATION		UNCLASSIFIED EXCAVATION 203(A)	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	SUPERPAVE TYPE S4 (PG 64 -22 OK) 411(C)	SUPERPAVE TYPE S5 (PG 64 -22 OK) 411(D)	TYPE I APC PATCH SPECIAL	
				CY	CY	SY	SY	TON	TON	CY	
	N 109th E Ave	10+67.00	TO 14+37.00	86.33	49.33	148.00	207.20	16.58	2.07	37.00	
	N 109th E Ave	14+37.00	TO 30+93.00	386.40	220.80	662.40	927.36	74.19	9.27	165.60	
	E 36 St N	40+00.00	TO 50+70.00	249.67	142.67	428.00	599.20	47.94	5.99	107.00	
	E 36 St N	50+70.00	TO 57+27.00								
	N 78 E	70+00.00	TO 72+85.00								
	N 78 E	72+85.00	TO 77+75.00	287.78	164.44	493.33	690.67	55.26	6.91	123.33	
	N 78 E	77+75.00	TO 82+56.00								
	N 79 E	85+00.00	TO 89+95.00								
	E Port Road	100+00.00	TO 105+33.00	157.71	90.12	270.37	378.51	30.28	3.79	67.59	
	N 107th	110+11.00	TO 110+90.00	21.79	12.45	37.35	52.29	4.18	0.52	9.34	
	N 107th	110+90.00	TO 111+81.00								
	N 107th	112+81.00	TO 114+11.00								
	N 107th	114+11.00	TO 116+14.00	47.37	27.07	81.20	113.68	9.09	1.14	20.30	
	N Mingo Road	120+00.00	TO 126+90.00	165.28	94.44	283.33	396.67	31.73	3.97	70.83	
	Cul-De-Sac	130+00.00	TO 130+90.00	61.31	35.03	105.10	147.14	11.77	1.47	26.28	
	TC PARKING N	0+00.00	TO 0+00.00	59.85	34.20	102.60	143.64	11.49	1.44	25.65	
	TC PARKING S	0+00.00	TO 0+00.00	64.72	36.98	110.95	155.33	12.43	1.55	27.74	
			TOTALS	1,588.20	907.54	2,722.63	3,811.69	304.95	38.12	680.66 **	

**PATCH LOCATION, SIZE, AND EXTENTS TO BE DETERMINED IN FIELD BY CONTRACTOR BEFORE CONSTRUCTION AND NOT TO EXCEED THIS AMOUNT.

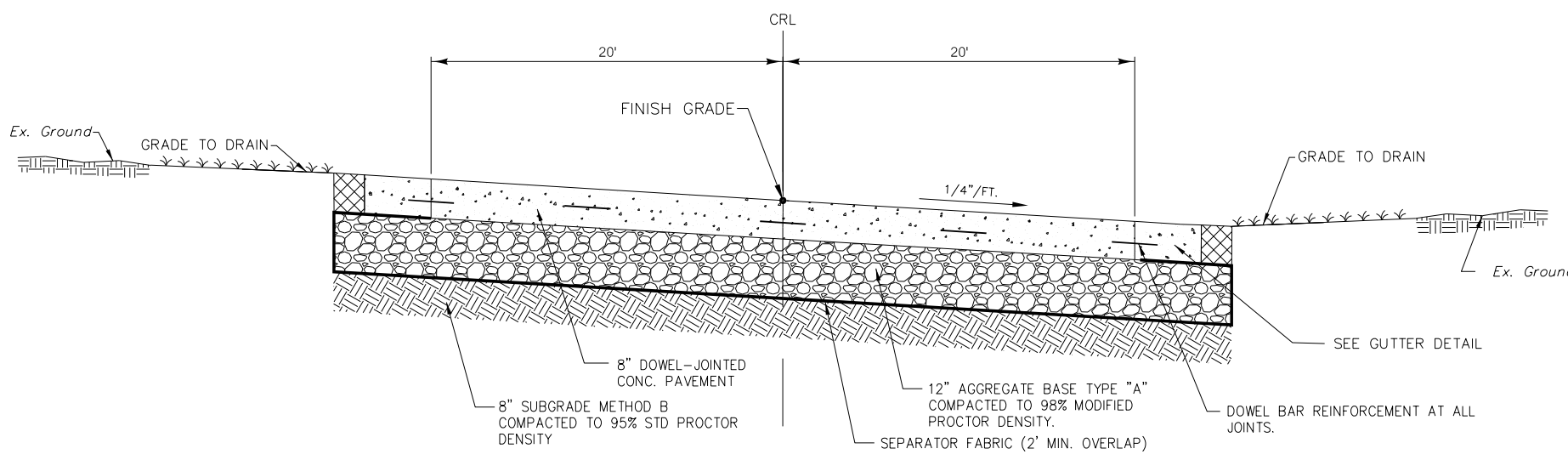
SUMMARY OF QUANTITIES (2 OF 2)					
SAFETY TRAINING CENTER DRIVING TRACK					
CITY OF TULSA, OKLAHOMA PUBLIC WORKS					
PLANS PREPARED BY: CITY OF TULSA					
REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL 1"=20'	LEAD ENGR.	
			VERTICAL 1"=5'	FIELD MGR.	
				RECOMMENDED: DESIGN MANAGER	CITY ENGINEER
			FILE:	DRAWING:	DATE
			ATLAS PAGE NO: 174		SHEET 3 OF 9 SHEETS



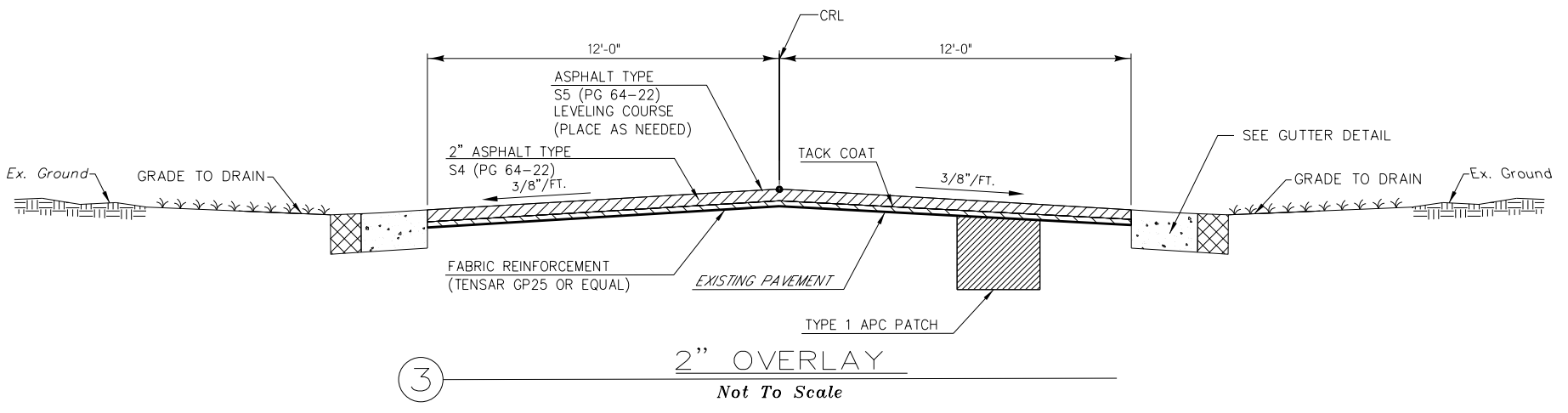
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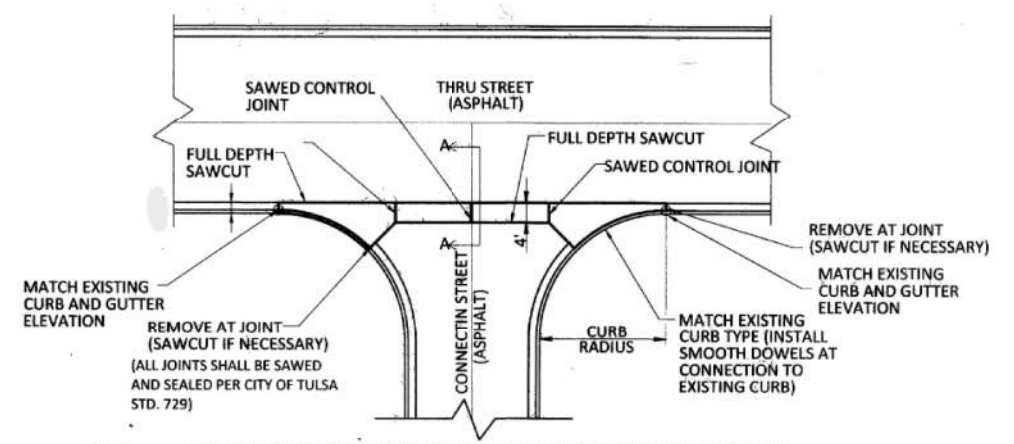
① **2" MILL & OVERLAY**
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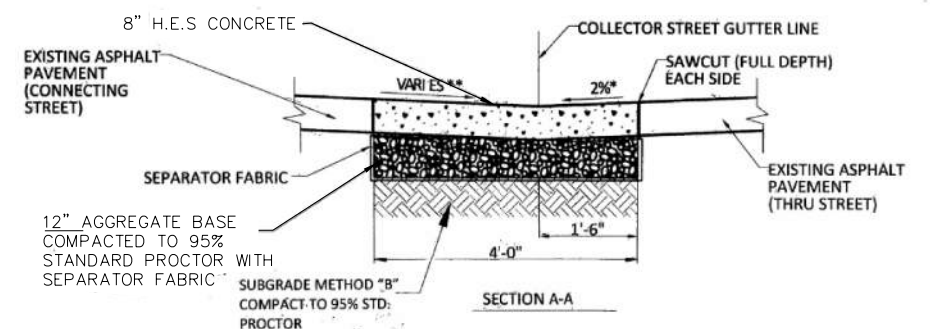
② **40' PAVEMENT RECONSTRUCTION**
Not To Scale



③ **2" OVERLAY**
Not To Scale



③ **CROSS STREET CONCRETE VALLEY GUTTER DETAIL**
NOT TO SCALE



* SLOPE TO MATCH CROSS-SLOPE OF THRU STREET
** SLOPE TO MATCH GRADE OF CONNECTING STREET

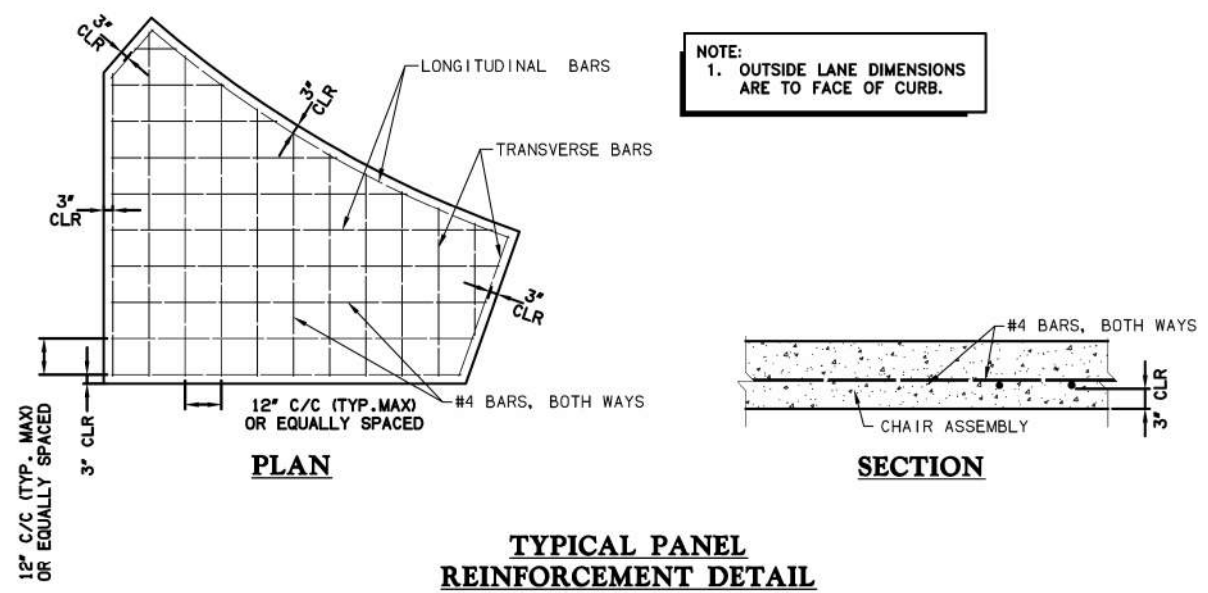
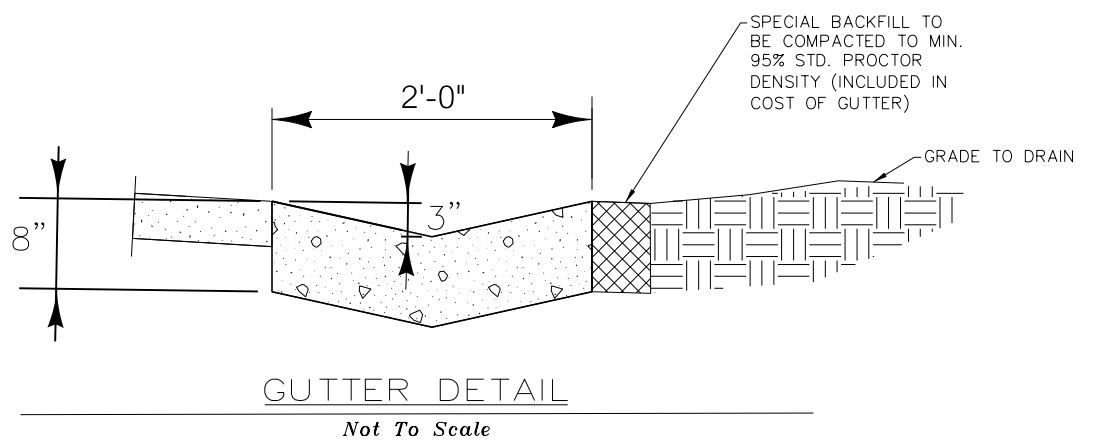
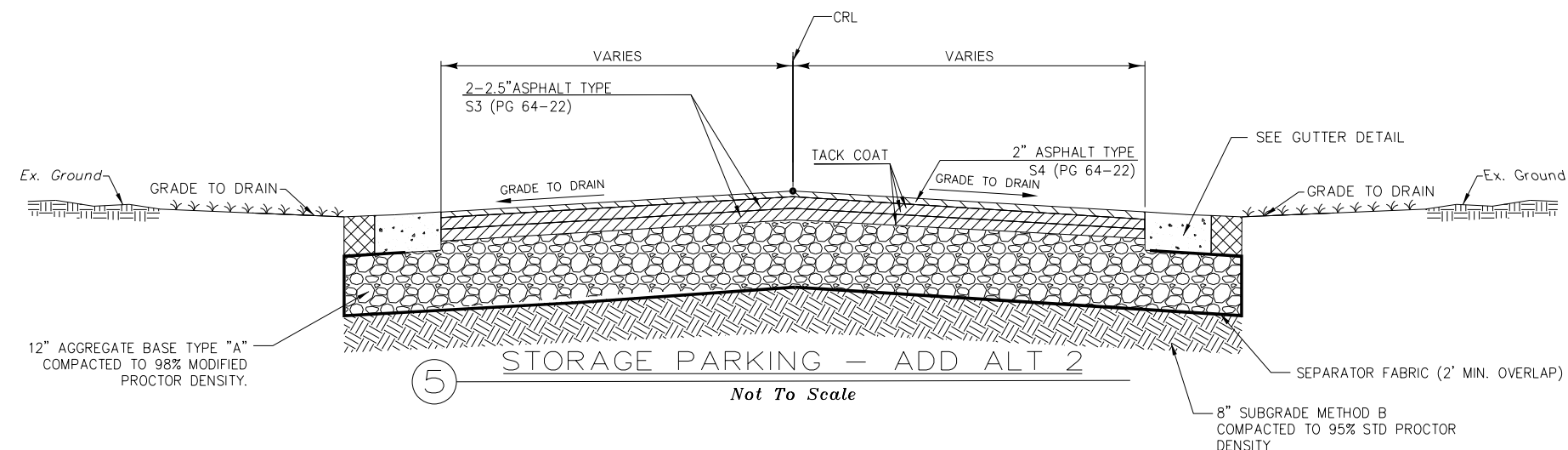
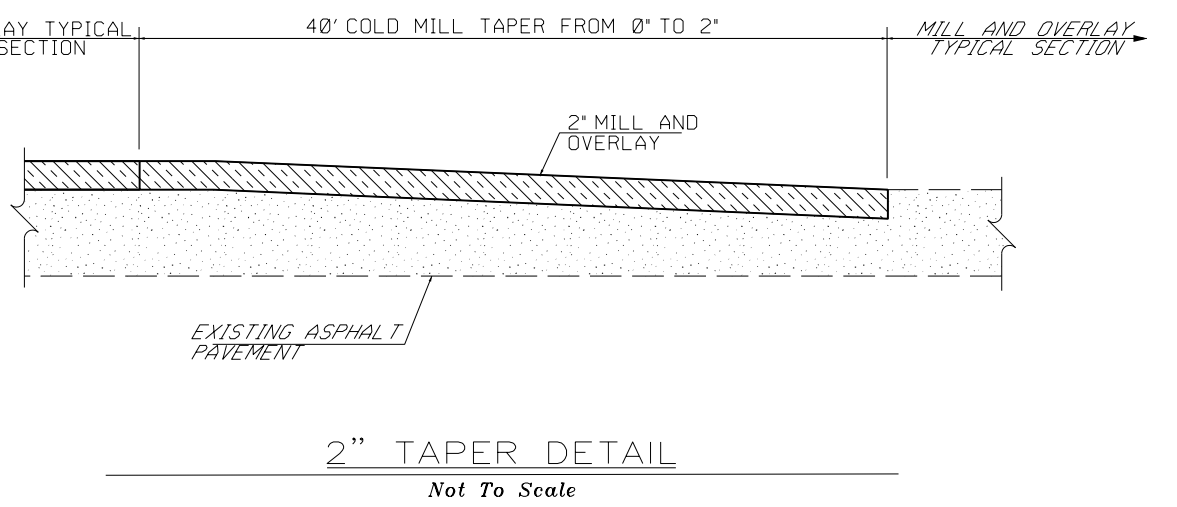
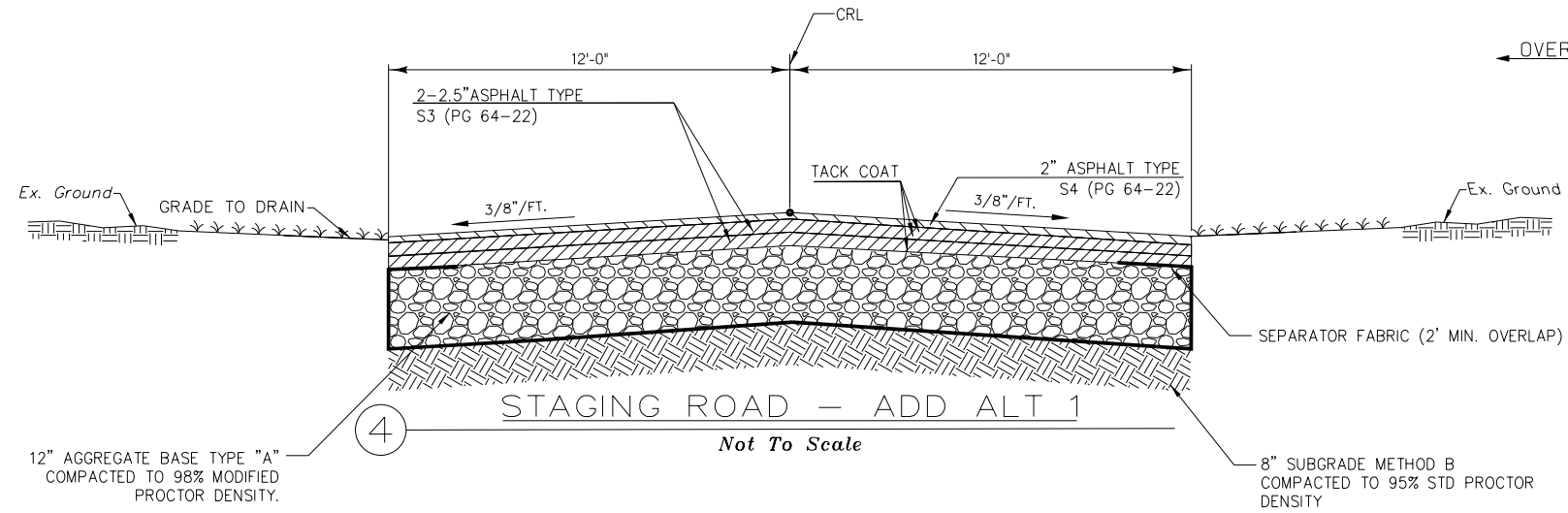
TYPICAL SECTIONS (1 OF 2)
SAFETY TRAINING CENTER
DRIVING TRACK
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	DESIGNED	APPROVED:
			1"=20'	FIELD SURVEY		
			PROFILE SCALE	PROJECT MGR.		
			HORIZONTAL 1"=20'	LEAD ENGR.		
			VERTICAL 1"=5'	FIELD MGR.		
				RECOMMENDED:		
				DESIGN MANAGER		
			FILE:	DRAWING:		CITY ENGINEER
			ATLAS PAGE NO: 174			DATE



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REVISION		BY	DATE	PLAN SCALE	DRAWN	APPROVED:
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					FIELD SURVEY	
				PROFILE SCALE	PROJECT MGR.	
				HORIZONTAL	LEAD ENGR.	
				1"=20'	FIELD MGR.	
				VERTICAL	RECOMMENDED:	
				1"=5'	DESIGN MANAGER	
				FILE:	DRAWING:	CITY ENGINEER
				ATLAS PAGE NO: 174		DATE
						SHEET 5 OF 9 SHEETS

TYPICAL SECTIONS (2 OF 2)
 SAFETY TRAINING CENTER
 DRIVING TRACK
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS
 PLANS PREPARED BY:
 CITY OF TULSA

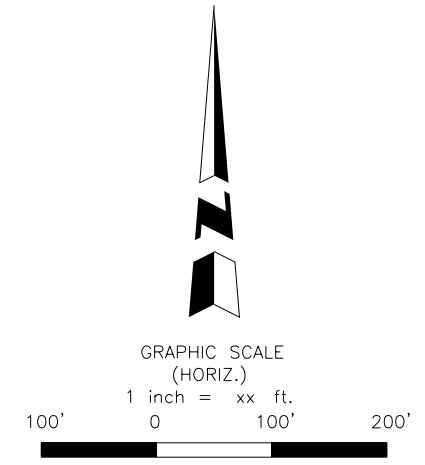


GEOMETRIC LAYOUT
 SAFETY TRAINING CENTER
 DRIVING TRACK
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS

PLANS PREPARED BY:
 CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR.	
			1"=20'	FIELD MGR.	
			VERTICAL	RECOMMENDED:	
			1"=5'	DESIGN MANAGER	
			FILE:	DRAWING:	CITY ENGINEER
			ATLAS PAGE NO: 174		DATE
					SHEET 6 OF 9 SHEETS

9/20/2024 Z:\DESIGN\TRANSPORTATION\Public\PROJECT_FILES\ACTIVE\Open Roads\CONSTRUCTION\WORKSPACES\01DOT_5\STANDARDS_CE\WORKSHEETS\TPD-TRAINING CENTER\DRGN\ROADWAY KEY MAP - OPTIONS.DWG



LEGEND

- MILL AND OVERLAY
- OVERLAY
- FULL DEPTH CONCRETE RECONSTRUCTION
- FULL DEPTH ASPHALT RECONSTRUCTION

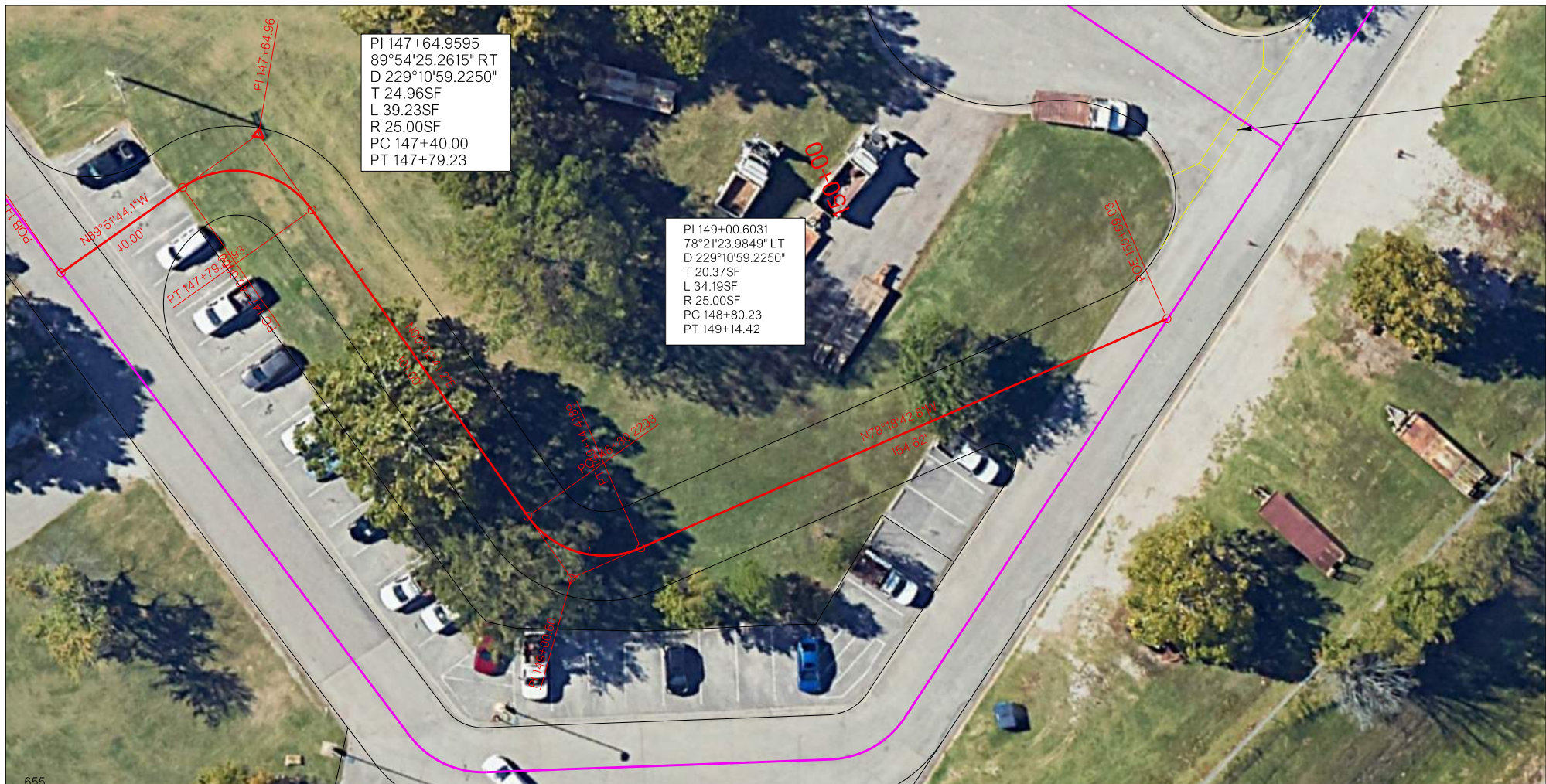
CAUTION:
BOTH OVERHEAD AND UNDERGROUND UTILITIES EXIST WITHIN THE LIMITS OF CONSTRUCTION. SEE PLAN NOTES.

ROADWAY KEYMAP
SAFETY TRAINING CENTER
DRIVING TRACK
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA



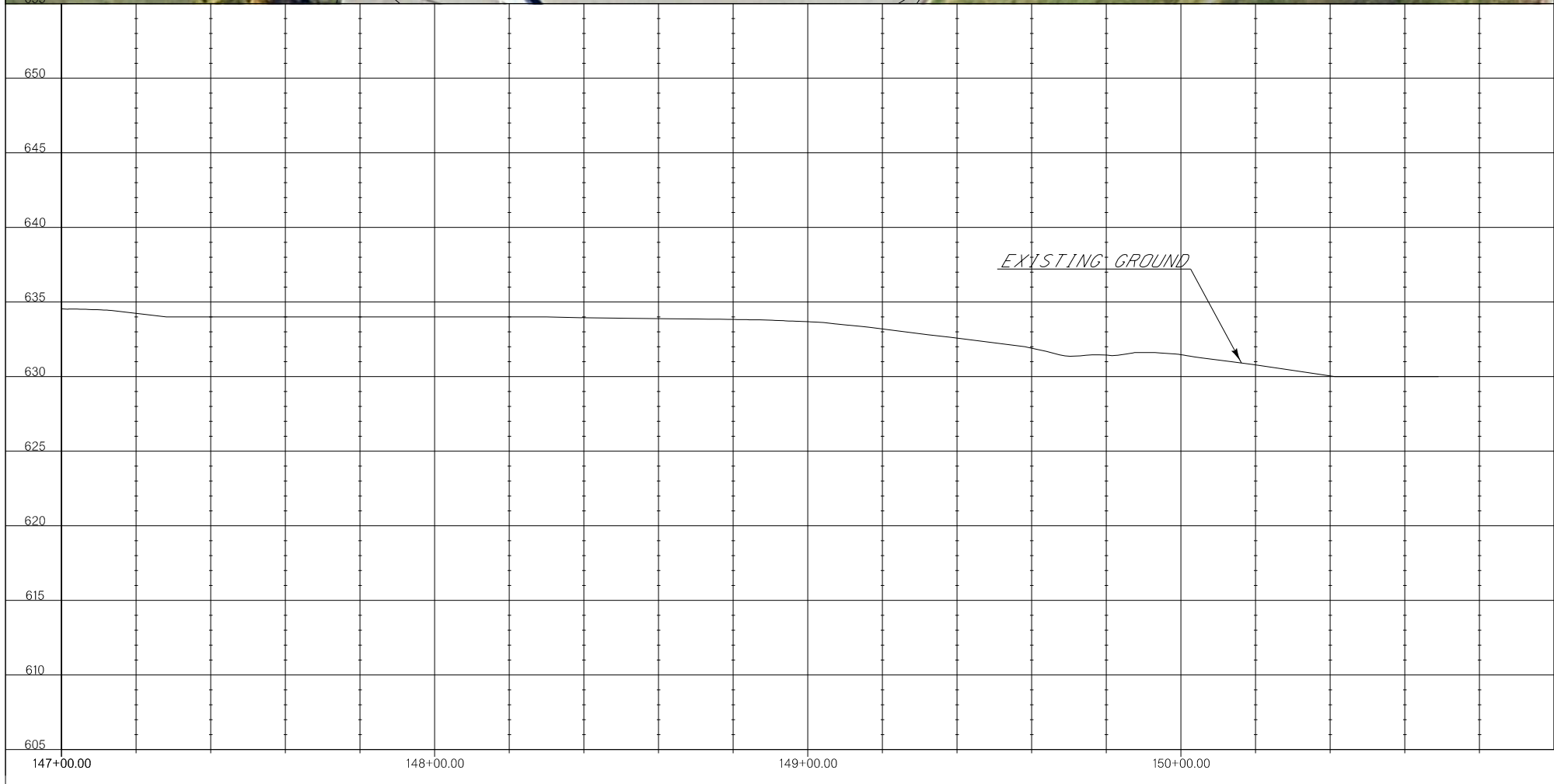
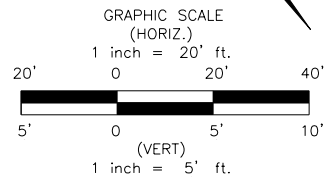
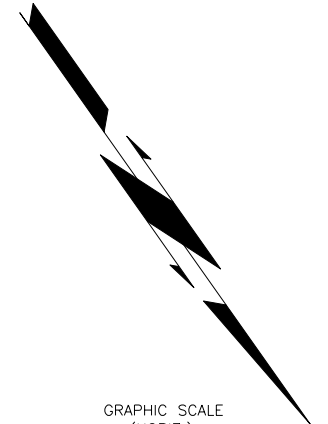
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				FIELD SURVEY		
			PROFILE SCALE	PROJECT MGR.		
			HORIZONTAL 1"=20'	LEAD ENGR.		
			VERTICAL 1"=5'	FIELD MGR.		
				RECOMMENDED: DESIGN MANAGER		CITY ENGINEER
			FILE:	DRAWING:		DATE
			ATLAS PAGE NO:	174		SHEET 8 OF 9 SHEETS



PI 147+64.9595
 89°54'25.2615" RT
 D 229°10'59.2250"
 T 24.96SF
 L 39.23SF
 R 25.00SF
 PC 147+40.00
 PT 147+79.23

PI 149+00.6031
 78°21'23.9849" LT
 D 229°10'59.2250"
 T 20.37SF
 L 34.19SF
 R 25.00SF
 PC 148+80.23
 PT 149+14.42

CONSTRUCT CONCRETE VALLEY GUTTER



LEGEND

- MILL AND OVERLAY
- OVERLAY
- FULL DEPTH CONCRETE RECONSTRUCTION
- FULL DEPTH ASPHALT RECONSTRUCTION

CAUTION:
 BOTH OVERHEAD AND UNDERGROUND UTILITIES EXIST WITHIN THE LIMITS OF CONSTRUCTION. SEE PLAN NOTES.

STAGING ROAD PLAN & PROFILE
SAFETY TRAINING CENTER
DRIVING TRACK
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA



REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR.	
			1"=20'	FIELD MGR.	
			VERTICAL	RECOMMENDED:	
			1"=5'	DESIGN MANAGER	CITY ENGINEER
			FILE:	DRAWING:	DATE
			ATLAS PAGE NO: 174		SHEET 9 OF 9 SHEETS

9/20/2024