



PUBLIC WORKS
Engineering

DATE:
October 2, 2024

TO:
Plan Holders

FROM:
Jenna Richardson

Contractors

918-596-9637

jennarichardson@cityoftulsa.org

EMAIL TRANSMITTAL

ADDENDUM NO. 1

**PROJECT NO. 2423X0012Z – CITY OF TULSA SAFETY
TRAINING CENTER DRIVE TRACK**

Number of pages: **15**

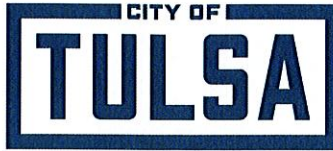
Please email a signed cover sheet to kteel@cityoftulsa.org
as acknowledgement of receipt.

Thank you,

Signature

Company

Date



PUBLIC WORKS
Engineering

DATE:
October 2, 2024

ADDENDUM NO. 1
TO
PROJECT NO. 2423X0012Z – CITY OF TULSA SAFETY TRAINING CENTER
DRIVE TRACK

This Addendum No. 1 consisting of seven (7) items, submitted by City of Tulsa is hereby made a part of the Contract Documents to the same extent as though it were originally included therein and shall supersede anything contained in the Plans and Specifications with which it might conflict. **This entire Addendum shall be attached to the Index Sheet of the Contract Documents and recorded on the last page of the proposal and submitted with bid. Failure to do so shall result in the bid being deemed non-responsive.**

This Addendum No. 1 consists of the following:

1. Drawing Sheet 2 – Summary of Quantities (1 of 2)
 - a. Updated quantities for Base Bid and Staging Road – Add Alternate 1.
2. Drawing Sheet 3 – Summary of Quantities (2 of 2)
 - a. Updated summary of Removals and Patching.
3. Drawing Sheet 4 – Typical Sections (1 of 2)
 - a. Updated typical number 2 – Slope changed to none/flat.
4. Drawing Sheet 6 – Geometric Layout
 - a. Updated Staging Road alignment.
5. Drawing Sheet 8 – Roadway Keymap
 - a. Updated pattern for Staging Road and displayed two, 14 space, parking lots.
6. Drawing Sheet 9 – Staging Road Plan & Profile
 - a. Updated alignment and profile.
7. Delete the existing Proposal in its entirety and replace with the revised Proposal found at <https://www.cityoftulsa.org/government/departments/engineering-services/construction-bids/> for Project No. 2423X0012Z City of Tulsa Safety Training Center Drive Track. It is the Bidders responsibility to download the revised Proposal onto their thumb drive.

All other provisions of the Plans and Specifications shall remain in full force and effect.

CITY OF TULSA

Paul D. Zachary
Paul D. Zachary, P.E.
Deputy Director
HAS
HAS/DDH/JR/kt

ELECTRONIC BID PROPOSAL INSTRUCTIONS - EXCEL SPREADSHEET
PROJECT NO. 2423X0012Z

Please read the following instructions carefully.

1. After opening this file re-save it as your company's name.
2. Open the BID FORM Sheet from the tabs below.
3. Input the unit price of the appropriate pay item in the cells highlighted in blue.
4. Review all data input and check calculations to ensure accuracy of Bid.
5. Print 1hardcopy of the "PROPOSAL" tab, BID FORM and the "SIGNATURE PAGE" tab.
6. Complete and sign the "Signature Page" document.
6. Submit hardcopy and electronic disk with Contract Documents and Specifications for Bid opening date.

LEGEND

- \$ 1.00 Cells Requiring Data Input.
- \$ 1.00 Internal Data Transfer.
- \$ 2.00 Calculated Results.

AGREEMENT FOR USING ELECTRONIC BID PROPOSAL

By and Between: CITY OF TULSA, (ENGINEER) and RECIPIENT. The enclosed electronic media is provided pursuant to your request and is for your limited use in connection with your submittal of Bid Proposal for Project No. 2423X0012Z. In no event shall the information be used for any other purpose or be released to third parties without the written consent of the ENGINEER. In the event of a discrepancy between the hard copy and this electronic media at delivery or in the future, the hard copy shall govern. ENGINEER hereby disclaims any and all liability for the consequences from use of the electronic media and makes no warranty or guarantee of accuracy. RECIPIENT shall assume full responsibility for the uses and consequences of the electronic media. It is agreed that ENGINEER has and retains ownership of the electronic media. ENGINEER does not warrant or guarantee that the electronic data is compatible with RECIPIENT'S computer hardware or software, and ENGINEER'S responsibility for the electronic media is limited to replacement of defective media for a period of thirty (30) days after delivery to RECIPIENT. !!! By opening and using this FILE, You AGREE to these TERMS AND CONDITIONS!!!

**PROPOSAL
PROJECT NO. 2423X0012Z**

TO: HONORABLE MAYOR
CITY OF TULSA, OKLAHOMA

THE UNDERSIGNED BIDDER, having carefully examined the drawings, specifications, and other Contract Documents of the above project presently on file in the City Clerk, City of Tulsa Oklahoma:

CERTIFIES THAT he has inspected the site of the proposed work and has full knowledge of the extent and character of the work involved, construction difficulties that may be encountered, and materials necessary for construction, class and type of excavation, and all other factors affecting or which may be affected by the specified work; and

CERTIFIES THAT he has not entered into collusion with any other bidder or prospective bidder relative to the project and/or bid: and

HEREBY PROPOSES: to enter into a contract to provide all necessary labor, materials, equipment and tools to completely construct and finish all the work required by the Contract Documents referred to therein; to complete said work within **120** calendar days after the work order is issued; and to accept in full payment therefore the amount set forth below for all work actually performed as computed by the Engineers as set forth in the Contract.

Basis of Award

IT SHOULD BE NOTED THAT THE LOWEST RESPONSIBLE BID SHALL BE DETERMINED BY THE TOTAL BASE BID.

Note: - Item numbers omitted are not a part of the Contract.

PROPOSAL FOR

PROJECT NO. 2423X0012Z

ITEM NUMBER	SPEC NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	DATA INPUT UNIT PRICE	AMOUNT
ROADWAY BASE BID						
1	202(A)	UNCLASSIFIED EXCAVATION	CY	4,173		
2	220	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1		
3	230(A)	SOLID SLAB SODDING	SY	4,105		
4	303	AGGREGATE BASE TYPE A	CY	2,683		
5	310(B)	SUBGRADE METHOD B	SY	8,048		
6	325	SEPARATOR FABRIC	SY	10,462		
7	409(A)	FABRIC REINFORCEMENT	SY	18,267		
8	411(C)	SUPERPAVE TYPE S3 (PG 64-22 OK)	TON	3,836		
9	411(C)	SUPERPAVE TYPE S4 (PG 64-22 OK)	TON	2,353		
10	411(E)	SUPERPAVE TYPE S5 (PG 64-22 OK)	TON	295		
11	412	COLD MILLING PAVEMENT	SY	16,596		
12	414(B)	DOWEL JOINTED P.C.C. PAVT. (PLACEMENT)	SY	5,510		
13	414(G)	P.C. CONCRETE PAVEMENT	CY	1,069		
14	511(A)	REINFORCING STEEL	LB	2,000		
15	609(B)	CONCRETE GUTTER (SPECIAL)	LF	12,314		
16	611(A)	CONC 8'X6' JUNCTION BOX W/2' WIDE MANHOLE, COMPLETE IN PLACE	EA	1		
17	611(G)	INLET (SMD-TYPE 1)	EA	17		
18	611(H)	ADDITIONAL DEPTH IN INLET SMD TYPE 1	VF	1		
19	613(A)	18" REINFORCED CONCRETE PIPE (RCP), COMPLETE IN PLACE	LF	70		
20	619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LSUM	1		
21	619(B)	REMOVAL OF (TREES)	EA	3		
22	619(B)	REMOVAL OF PAVEMENT	SY	2,603		
23	619(B)	REMOVAL OF CURB	LF	12,314		
24	641	MOBILIZATION	EA	1		
25	642	CONSTRUCTION STAKING LEVEL II	EA	1		
26	850(A)	SHEET ALUMINUM SIGN	SF	11		
27	COT608(D)	1-3/4" SQUARE TUBE POST	LF	20		
28	COT608(E)	2" SQUARE TUBE POST	LF	6		
29	855(A)	TRAFFIC STRIPE (THERMOPLASTIC)(4" WIDE)	LF	500		
30	855(A)	TRAFFIC STRIPE (THERMOPLASTIC)(24" WIDE)	LF	24		
31	880(C)	BARRICADES (TYPE III)	SD	240		
32	880(E)	TYPE "A" WARNING LIGHT	SD	480		
33	880(G)	TUBE CHANNELIZERS	SD	6,000		
34	SPECIAL	TYPE 1 APC PATCH	CY	685		
35	SPECIAL	OWNER ALLOWANCE	EA	35,000	\$1.00	\$35,000.00
36	COT 334	CONTRACTORS QUALITY CONTROL	LSUM	1		
37	COT 335	CONSTRUCTION AS-BUILTS	LSUM	1		

SUBTOTAL ROADWAY BASE BID: \$35,000.00

STAGING ROAD ADD ALTERNATE 1						
38	202(A)	UNCLASSIFIED EXCAVATION	CY	562		
39	230(A)	SOLID SLAB SODDING	SY	141		
40	303	AGGREGATE BASE TYPE A	CY	375		
41	310(B)	SUBGRADE METHOD B	SY	1,123		
42	325	SEPARATOR FABRIC	SY	1,404		
43	411(C)	SUPERPAVE TYPE S3 (PG 64-22 OK)	TON	315		
44	411(C)	SUPERPAVE TYPE S4 (PG 64-22 OK)	TON	126		
45	619(B)	REMOVAL OF (TREES)	EA	1		
46	SPECIAL	OWNER ALLOWANCE	EA	10,000	\$1.00	\$10,000.00

SUBTOTAL ADD ALTERNATE 1: \$10,000.00

STORAGE PARKING ADD ALTERNATE 2						
47	202(A)	UNCLASSIFIED EXCAVATION	CY	374		
48	230(A)	SOLID SLAB SODDING	SY	598		
49	303	AGGREGATE BASE TYPE A	CY	448		
50	310(B)	SUBGRADE METHOD B	SY	1,344		
51	325	SEPARATOR FABRIC	SY	2,539		
52	411(C)	SUPERPAVE TYPE S3 (PG 64-22 OK)	TON	210		
53	411(C)	SUPERPAVE TYPE S4 (PG 64-22 OK)	TON	84		
54	609(B)	CONCRETE GUTTER (SPECIAL)	LF	1,792		
55	855(A)	TRAFFIC STRIPE (THERMOPLASTIC)(4" WIDE)	LF	504		

SUBTOTAL ADD ALTERNATE 2:

ROADWAY BASE PAY ITEMS \$35,000.00
TOTAL BASE BID \$35,000.00

Figures

TOTAL ADD ALTERNATE 1 \$10,000.00

TOTAL ADD ALTERNATE 2 _____

TOTAL BID \$45,000.00

Figures

Enclosed is a () Bidder's Surety Bond, () Certified Check, () Cashier's Check for _____ %

which the City of Tulsa may retain or recover as liquidated damages in the event that the undersigned fails to enter into contract for the work covered by this proposal., provided the Contract is awarded to the undersigned within thirty (30) days, or within ninety (90) days if Federal funds are utilized, from the date fixed for opening of bids and the undersigned fails to execute said Contract and furnish the required bonds and other requirements as called for in these Contract Documents within thirty (30) days after award of Contract.

Dated at Tulsa, Oklahoma, this _____ day of _____, 20__.

Respectfully submitted,

(Complete legal name of company)

(State of Organization)

By:

ATTEST:

Title:

Title: Corporate Secretary

Printed Name:

Printed Name:

(SEAL)

Address: _____

Telephone Number: _____

Fax Number: _____

By signing above bidder acknowledges receipt of the following Addenda (give number and date of each):

SUMMARY OF SURFACING - BASE BID Δ

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	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						684.00		76.61	9.58			
	TC PARKING S		TO						854.89		95.75	11.97			
			TOTALS	2,573.84	4,104.67	1,769.30	5,307.89	6,626.00	18,266.11	0.00	2,045.90	255.74	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 Δ

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	TON	TON	TON	SY	CY	LF	
	STAGING ROAD	147+00.00	TO 151+21.03	561.37	140.34	374.25	1,122.75	1,403.43		314.38	125.75				

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	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	APPROVED:
REVISED QUANTITIES			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR.	
			1"=20'	FIELD MGR.	
			VERTICAL	RECOMMENDED:	
			1"=5'	1415	
				CITY ENGINEER	
			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			854.89		
			TOTALS	16,595.44	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 1 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	74.60	42.74	128.23	179.53	14.36	1.80	32.06
			TOTALS	1,598.28	913.31	2,739.92	3,835.88	306.88	38.36	684.98 **

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

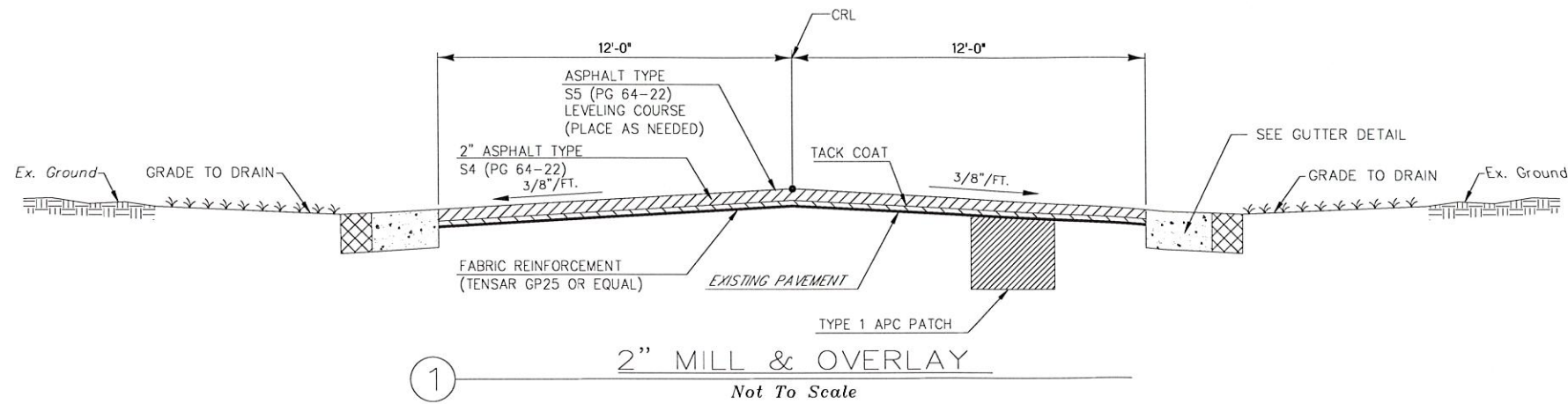
SUMMARY OF QUANTITIES
(2 OF 2)
SAFETY TRAINING CENTER DRIVING TRACK
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

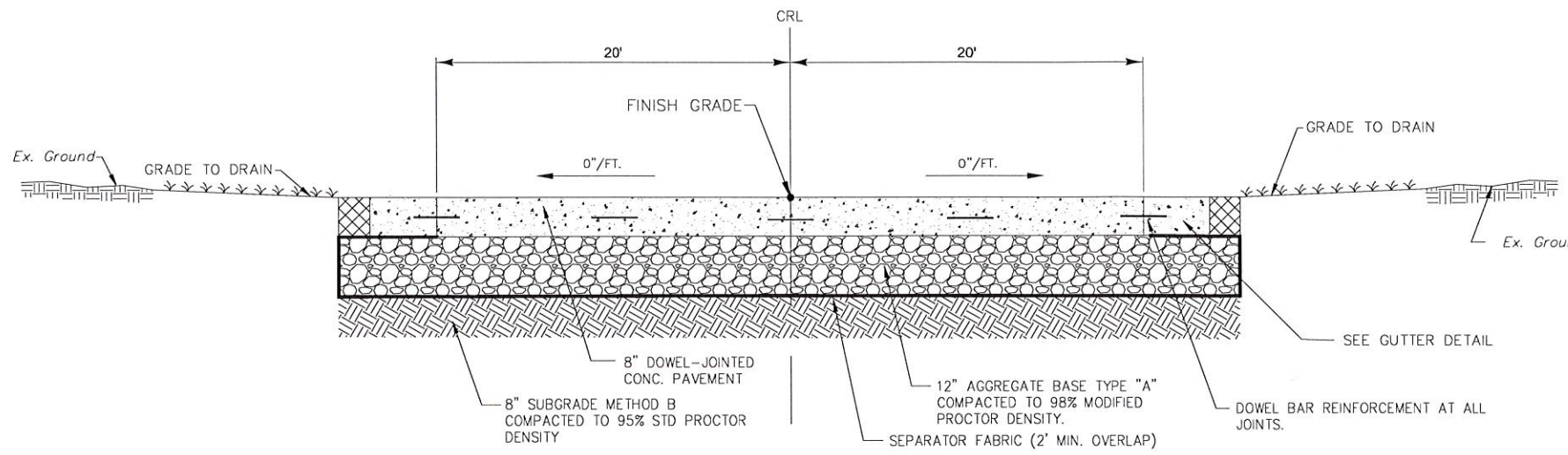


REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
REVISED QUANTITIES			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR.	
			1"=20'	FIELD MGR.	
			VERTICAL	RECOMMENDED:	
			1"=5'	HAS	
			FILE:	DESIGN MANAGER	CITY ENGINEER
			DRAWING:		DATE
			ATLAS PAGE NO: 174		SHEET 3 OF 9 SHEETS

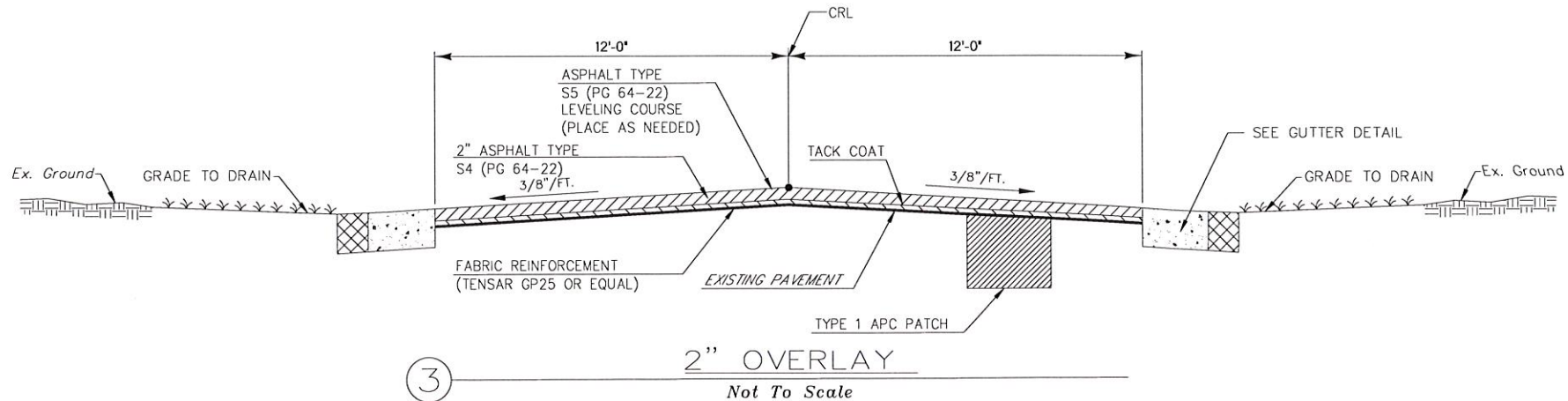
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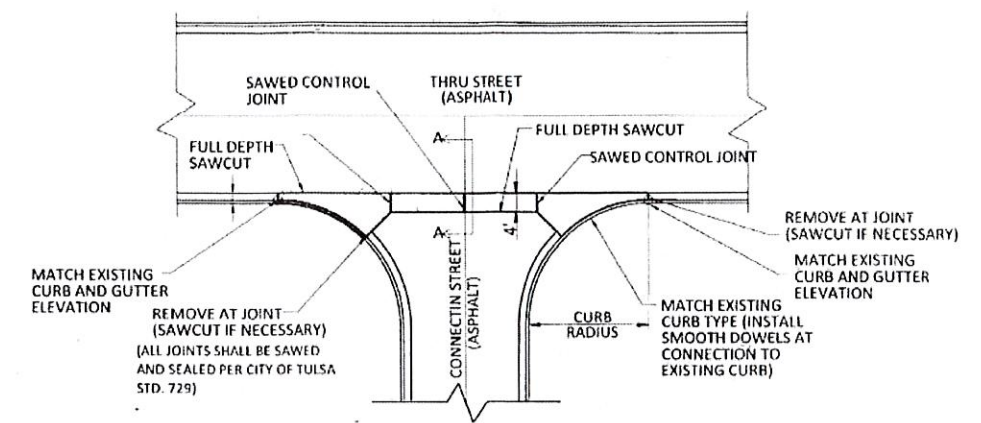
1 2" MILL & OVERLAY
Not To Scale



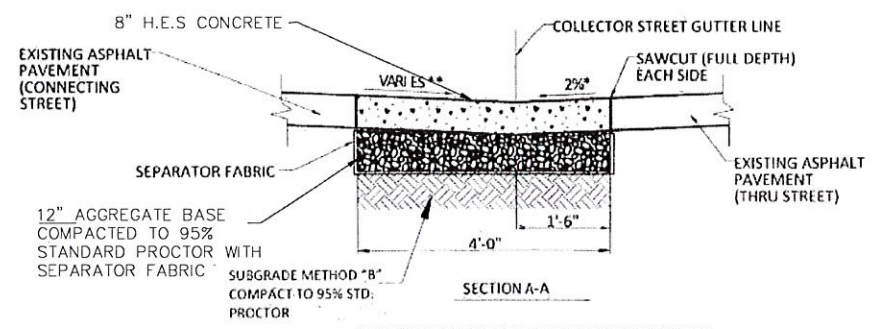
2 40' PAVEMENT RECONSTRUCTION
Not To Scale



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	APPROVED:
UPDATED TYPICAL NO. 2			1"=20'	DESIGNED	
				FIELD SURVEY	
				PROJECT MGR.	
				LEAD ENGR.	
				FIELD MGR.	
				RECOMMENDED:	
				PERSON MANAGER	HAS
				CITY ENGINEER	
				DATE	
				FILE: DRAWING:	
				ATLAS PAGE NO. 174	SHEET 4 OF 9 SHEETS

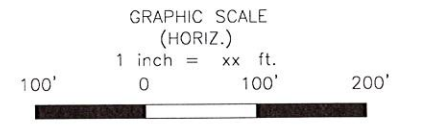




GEOMETRIC LAYOUT
 SAFETY TRAINING CENTER
 DRIVING TRACK
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS

PLANS PREPARED BY:
 CITY OF TULSA

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



LEGEND

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

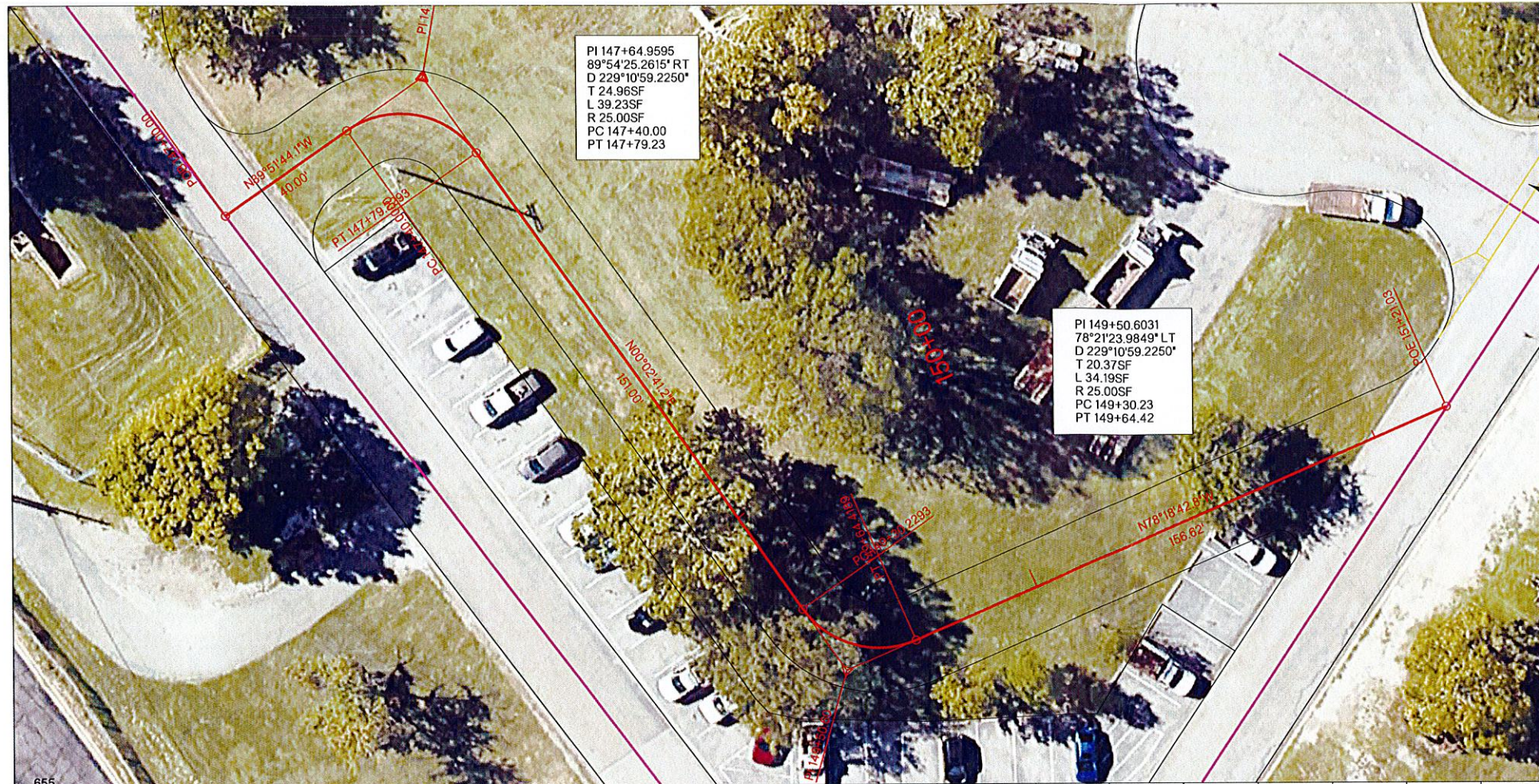
CAUTION:
BOTH OVERHEAD AND UNDERGROUND UTILITIES EXIST WITHIN THE LIMITS OF CONSTRUCTION. SEE PLAN NOTES.

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

PLANS PREPARED BY:
CITY OF TULSA



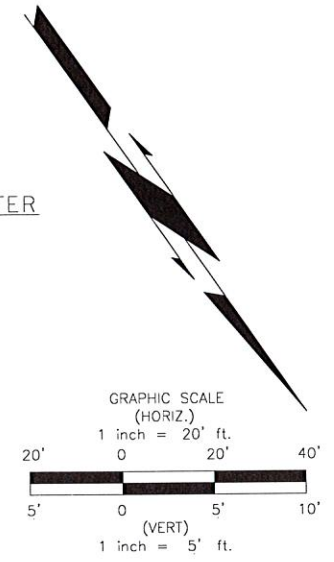
REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
REVISED PATTERN			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR.	
			VERTICAL	RECOMMENDED: <i>HHS</i>	
			1"=5'	DESIGN MANAGER	CITY ENGINEER
			FILE:	DRAWING:	DATE
			ATLAS PAGE NO: 174		SHEET 8 OF 9 SHEETS



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+50.6031
 78°21'23.9849" LT
 D 229°10'59.2250"
 T 20.37SF
 L 34.19SF
 R 25.00SF
 PC 149+30.23
 PT 149+64.42

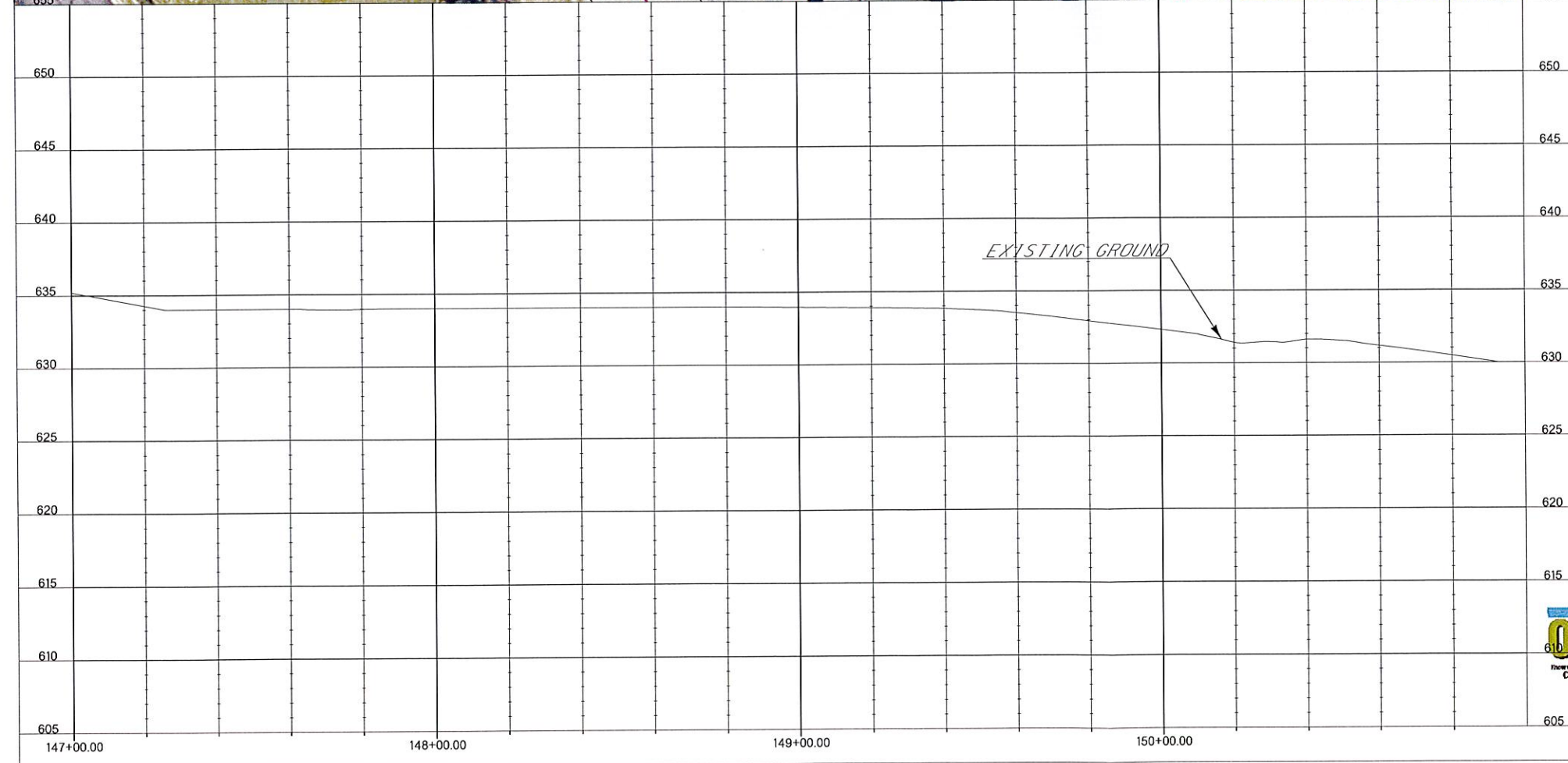
CONSTRUCT CONCRETE VALLEY GUTTER



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:
REVISED ALIGNMENT			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR.	
			VERTICAL	FIELD MGR.	
				RECOMMENDED: <i>HAS</i>	
				DESIGN MANAGER	CITY ENGINEER
			FILE:	DRAWING:	DATE
			ATLAS PAGE NO: 174		SHEET 9 OF 9 SHEETS

