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SHEET 1 OF 26

UTILITY (COORDINATION	
UTILITY	CONTACT	PHONE NO.
CITY OF TULSA	CHRIS KOVAC	918-596-9649
AEP/PSO	LONNY HICKS	918-250-6211
ONG	TIM HELBIG	918-831-8387
AT&T DISTRIBUTION	WAYNE GROOM	918-527-7309
AT&T TRANSMISSION	KEVIN WINGARD	580-931-7688
COX COMMUNICATIONS	JASON HOLT	918-830-7238
MTTA	ERIC SMITH	918-830-0024

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L		,		SYMBO)L]	LEGENI)	
				Accessible Pedestrian Signal Electric Meter		*	_	Deciduous Tree
	Ē			Electric Box Electric Transformer		*	-	Coniferous Tree
				Fire Hydrant		0	-	Bush
	-			Flagpole Gas Meter	-			Fence Line (All Types) Overhead Electric
		<i>) v</i>		Gas Valve Guy Anchor				Underground Electric Underground Cable Television
1	ħ /	CV		Irrigation Control Valve Junction Box		— FOC ———	-	Underground Fiber Optic Underground Telephone
		P	-	Light Pole		— G ———	_	Natural Gas Line
1		,,,,		Mailbox Power Pole				Stormwater Line Sanitary Sewer Line
1		,		Sign		— w ——		Water Line
	0	SSMH -	_	Sanitary Sewer Cleanout Sanitary Sewer Manhole Storm Water Manhole		♦	_	Bench Mark Survey Control Point Found
	• :	SH	_	Sprinkler Head Traffic Signal				Survey Control Point Set Type III Barricade w/ 2
		TSB .	_	Traffic Signal Box Traffic Signal Junction Box	•	• •	-	Type "A" Lights Drums w/ Type "C" Light
	o- 7	TPED	-	Telephone Pedestal Water Meter				
	ш.			Water Valve				

NOTE:

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

VERTICAL CONTROL NAVD 1988

HORIZONTAL CONTROL

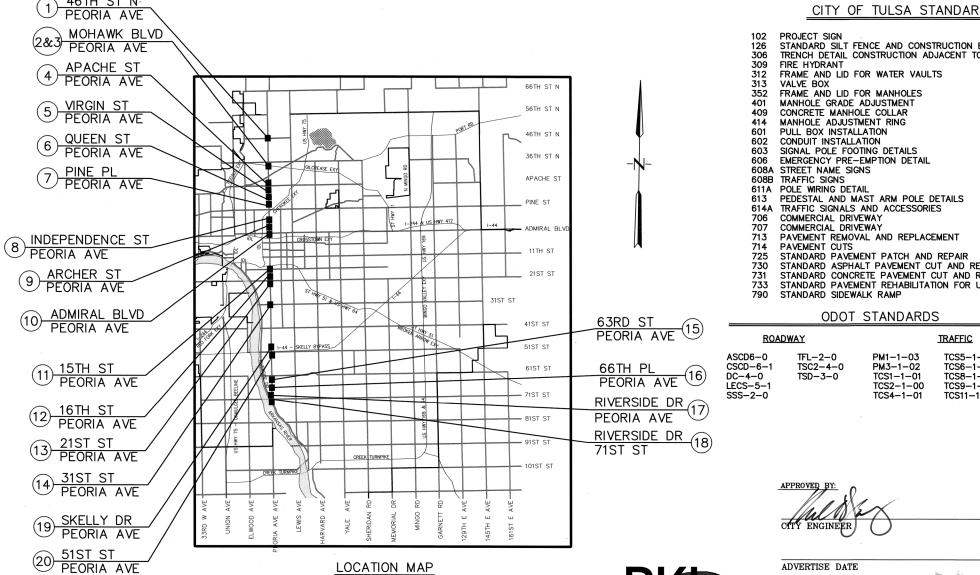
OKLAHOMA STATE PLANE COORDINATE SYSTEM NAD 1983 (1993)

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

CITY OF TULSA, OKLAHOMA CONSTRUCTION PLANS FOR **BUILD GRANT/LINK ADA UPGRADES VARIOUS LOCATIONS**

PROJECT NO. 2035X001Z, PHASE 3 ACCOUNT NO. 2035X001Z, PHASE 3

ENGINEERING SERVICES DEPARTMENT TULSA, OKLAHOMA



Note: Entire project is within the

Corporate and City Limits of Tulsa, Oklahoma

CITY OF TULSA STANDARDS

INDEX OF SHEETS

MISCELLANEOUS DETAILS PROPOSED PLANS (1-20) TRAFFIC CONTROL

TITLE SHEET
PAY QUANTITIES & NOTES (ROADWAY)
GENERAL CONSTRUCTION NOTES

102	PROJECT SIGN
126	STANDARD SILT FENCE AND CONSTRUCTION ENTRANCE
306	TRENCH DETAIL CONSTRUCTION ADJACENT TO ROADWAY
309	FIRE HYDRANT
312	FRAME AND LID FOR WATER VAULTS
313	VALVE BOX
352	FRAME AND LID FOR MANHOLES
401	MANHOLE GRADE ADJUSTMENT

MANITOLE GRADE ADMOSTMENT CONCRETE MANHOLE COLLAR MANHOLE ADJUSTMENT RING PULL BOX INSTALLATION CONDUIT INSTALLATION SIGNAL POLE FOOTING DETAILS

601 602 603 606

STANDARD ASPHALT PAVEMENT CUT AND REPAIR
STANDARD CONCRETE PAVEMENT CUT AND REPAIR
STANDARD PAVEMENT REHABILITATION FOR UTILITY CONSTRUCTION

ODOT STANDARDS

ROAD	<u>YAWC</u>		TRAFFIC	
ASCD6-0 CSCD-6-1 DC-4-0 LECS-5-1 SSS-2-0	TFL-2-0 TSC2-4-0 TSD-3-0	PM1-1-03 PM3-1-02 TCS1-1-01 TCS2-1-00 TCS4-1-01	TCS5-1-00 TCS6-1-02 TCS8-1-00 TCS9-1-01 TCS11-1-01	TCS13-1-00 TCS14-1-00 TCS19-1-01

03.16-22

ADVERTISE DATE

PREPARED BY:

RYAN MAHAFFEY, P.E. PROJECT MANAGER BKL, INCORPORATED



OKLAHOMA 74120 TEL:918-835-9588 FAX:918-835-9119 MAIL@BKLINC.COM



1623 E 6TH STREET TULSA,



13 619(B) REMOVAL OF CURB & GUTTER R-1,R-2,R-5,R-6 LF 14 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF 4" CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-1,R-1,R-2,R-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 COT 334 CON	ROADWAY PAY QUANTITIES - PHASE 3 - ADA UPGRADES									
2 221(B) TEMPORARY SILT FENCE E-6, E-7 LF 3 230(A) SOLID SLAB SODDING E-10,E-11 SY 4 609(B) COMBINED CURB AND GUTTER (6"-BARRIER) S-12,S-13,S-16,S-17 SY 5 610(A) CONCRETE SIDEWALK (4") S-12,S-13,S-16,S-17 SY 6 610(A) STAMPED CONCRETE SIDEWALK (4") S-12,S-13,S-17,S-18 SY 7 610(B) 6" CONCRETE DRIVEWAY (H.E.S.) 100,S-12,S-13,S-16 SY 8 610(I) TACTILE WARNING DEVICE S-12,R-2,D-1,D-2,D-6,G-1 EA 9 612(A) MANHOLE ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 10 612(E) VALVE BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 11 612(E) VALVE BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 11 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS R-1,R-2,R-3,R-4,R-5 LSU 13 619(B) REMOVAL OF SIDEWALK R-1,R-2,R-5,R-6 SY 14 619(B) REMOVAL OF SUBLEMENT R-1,R-2,	rem	SPEC. NO.	DESCRIPTION	DESCRIPTION NOTES						
3 230(A) SOLID SLAB SODDING	1	202(A)	UNCLASSIFIED EXCAVATION	E-3, E-4	CY	290				
4 609(B) COMBINED CURB AND GUTTER (6"-BARRIER) 5 610(A) CONCRETE SIDEWALK (4") 6 610(A) STAMPED CONCRETE SIDEWALK (4") 7 610(B) 6" CONCRETE DIVEWALY (H.E.S.) 8 610(I) TACTILE WARNING DEVICE 9 612(A) MANHOLE ADJUSTED TO GRADE (PUBLIC) 9 612(A) MANHOLE ADJUSTED TO GRADE (PUBLIC) 10 612(E) VALVE BOX ADJUSTED TO GRADE (PUBLIC) 11 612(F) METER BOX ADJUSTED TO GRADE (PUBLIC) 12 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS 13 619(B) REMOVAL OF CURB & GUTTER 14 619(B) REMOVAL OF SIDEWALK (4") 15 619(B) REMOVAL OF PAVEMENT (16 619(B) REMOVAL OF PAVEMENT (17 CONCRETE DIVIDING STRIP) 16 619(B) REMOVAL OF CONCRETE DIVIDING STRIP) 17 619(B) REMOVAL OF CONCRETE DIVIDING STRIP) 18 631(A) (SP)REMOVAL OF CONCRETE DIVIDING STRIP) 19 641 MOBILIZATION (22 EA 20 642(B) CONSTRUCTION STAKING LEVEL II (23 SEC) 21 SEC(AL TYPE IF OR TAKING REMOVAL (24 SEPC) (24 SEPC) (24 SEPC) (24 SEPC) (24 SEPC) (25 SEPC) (25 SEPC) (25 SEPC) (27 SEPC) (2	221(B)	TEMPORARY SILT FENCE	E-6, E-7	LF	1500				
5 610(A) CONCRETE SIDEWALK (4") S-12,S-13,S-16,S-17 SY 6 610(A) STAMPED CONCRETE SIDEWALK (4") S-12,S-13,S-16,S-17,S-18 SY 7 610(B) 6" CONCRETE DRIVEWAY (H.E.S.) 100,S-12,S-13,S-16 SY 8 610(I) TACTILE WARNING DEVICE SF 9 612(A) MANHOLE ADJUSTED TO GRADE (PUBLIC) S-12,R-2,D-1,D-2,D-6,G-1 EA 10 612(E) VALVE BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 11 612(F) METER BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 11 612(F) METER BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 12 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS R-1,R-2,R-3,R-4,R-5 LSUM 13 619(B) REMOVAL OF STRUCTURES AND OBSTRUCTIONS R-1,R-2,R-5,R-6 LF 14 619(B) REMOVAL OF STRUCTURES AND OBSTRUCTIONS R-1,R-2,R-5,R-6 SY 15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF ONCRETE DIVIV	3	230(A)	SOLID SLAB SODDING	E-10,E-11	SY	469				
6 610(A) STAMPED CONCRETE SIDEWALK (4") 7 610(B) 6" CONCRETE DRIVEWAY (H.E.S.) 8 610(I) TACTILE WARNING DEVICE 9 612(A) MANHOLE ADJUSTED TO GRADE (PUBLIC) 10 612(E) VALVE BOX ADJUSTED TO GRADE 11 612(F) METER BOX ADJUSTED TO GRADE 12 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS 13 619(B) REMOVAL OF CURB & GUTTER 14 619(B) REMOVAL OF SIDEWALK 15 619(B) REMOVAL OF PAVEMENT 16 619(B) REMOVAL OF 4" CONCRETE DIVIDING STRIP 17 619(B) REMOVAL OF CONCRETE DIVIDING STRIP 18 631(A) (SP)REMOVAL OF CONCRETE DRIVEWAY 19 641 MOBILIZATION 10 642(B) CONSTRUCTION STAKING LEVEL II 20 642(B) CONSTRUCTION STAKING LEVEL II 21 SPECIAL 22 SPECIAL 23 SPECIAL 24 SPECIAL 26 CONTRACTORS QUALITY CONTROL 27 SPECIAL 28 SPECIAL CURB RAMP 29 CONCRETE DATE IN THE IPC PATCH (ARTERIAL) 5-12,S-13,S-12,S-13,S-21,G-1 CURB RAMP 5-12,S-13,S-17,S-18 SY 100,S-12,S-13,S-12,S-13,S-21,G-1 SPICAL 100,S-12,S-13,S-12,S-13,S-21,G-1 100,S-12,S-13,S-12,S-13,S-12,S-13,S-21,G-1 100,S-12,S-13,S-12,S-13,S-12,G-1 100,S-12,S-13,S-12,S-13,S-12,G-1 100,S-12,S-13,S-12,S-13,S-12,G-1 100,S-12,S-13,S-12,S-13,S-12,G-1 100,S-12,S-13,S-12,G-1 100,S-12,S-13,S-12,S-13,S-12,G-1 100,S-12,S-13,S-12,S-13,S-12,G-1 100,S-12,S-13,S-12,S-13,S-12,G-1 100,S-12,S-13,S-14,S-13,S-14,G-1 101,S-12,S-13,S-14,G-1 101,S-12	4	609(B)	COMBINED CURB AND GUTTER (6"-BARRIER)	S-15, S-16	LF	917				
7 610(B) 6" CONCRETE DRIVEWAY (H.E.S.) 100, S-12, S-13, S-16 SY 8 610(I) TACTILE WARNING DEVICE SF 9 612(A) MANHOLE ADJUSTED TO GRADE (PUBLIC) S-12,R-2,D-1,D-2,D-6,G-1 EA 10 612(E) VALVE BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 11 612(E) METER BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 12 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS R-1,R-2,R-3,R-4,R-5 LSUM 13 619(B) REMOVAL OF CURB & GUTTER R-1,R-2,R-5,R-6 LF 14 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DRIVEWAY R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA	5	610(A)	CONCRETE SIDEWALK (4")	S-12,S-13,S-16,S-17	SY	1028				
8 610(f) TACTILE WARNING DEVICE SF 9 612(A) MANHOLE ADJUSTED TO GRADE (PUBLIC) S-12,R-2,D-1,D-2,D-6,G-1 EA 10 612(E) VALVE BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 11 612(F) METER BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 11 612(F) METER BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 12 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS R-1,R-2,R-3,R-4,R-5 LSUM 13 619(B) REMOVAL OF CURB & GUTTER R-1,R-2,R-5,R-6 LF 14 619(B) REMOVAL OF SIDEWALK R-1,R-2,R-5,R-6 SY 15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DIVEWAY R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA	6	610(A)	STAMPED CONCRETE SIDEWALK (4")	S-12,S-13,S-17,S-18	SY	213				
9 612(A) MANHOLE ADJUSTED TO GRADE (PUBLIC) 10 612(E) VALVE BOX ADJUSTED TO GRADE 11 612(F) METER BOX ADJUSTED TO GRADE 12 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS 13 619(B) REMOVAL OF CURB & GUTTER 14 619(B) REMOVAL OF SIDEWALK 15 619(B) REMOVAL OF SIDEWALK 16 619(B) REMOVAL OF PAVEMENT 17 619(B) REMOVAL OF PAVEMENT 18 631(A) (SP)REMOVAL OF CONCRETE DIVIDING STRIP 19 641 MOBILIZATION 20 642(B) CONSTRUCTION STAKING LEVEL II 21 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) 22 856(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) 23 857(F) PAVEMENT MARKING REMOVAL 26 CAP 33 CONTRACTORS QUALITY CONTROL 27 SPECIAL URBAN MP 8-12,R-2,D-6,G-1 EA S-12,R-2,D-6,G-1 EA S-12,R-2,R-3,R-1 S-12,R-2,R-3,	7	610(B)	6" CONCRETE DRIVEWAY (H.E.S.)	100, S-12, S-13, S-16	SY	43				
10 612(E) VALVE BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 11 612(F) METER BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 12 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS R-1,R-2,R-3,R-4,R-5 LSUM 13 619(B) REMOVAL OF CURB & GUTTER R-1,R-2,R-5,R-6 LF 14 619(B) REMOVAL OF SIDEWALK R-1,R-2,R-5,R-6 SY 15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF 4" CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DRIVEWAY R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE CONTRACTORS QUALITY CONTROL 27 SPECIAL CURB RAMP EA	8	610(l)	TACTILE WARNING DEVICE		SF	690				
11 612(F) METER BOX ADJUSTED TO GRADE S-12,R-2,D-6,G-1 EA 12 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS R-1,R-2,R-3,R-4,R-5 LSUM 13 619(B) REMOVAL OF CURB & GUTTER R-1,R-2,R-5,R-6 LF 14 619(B) REMOVAL OF SIDEWALK R-1,R-2,R-5,R-6 SY 15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF 4" CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-1,R-1,R-2,R-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-6,G-6 G-5,G-6,G-7,G-8,G-9,G-10	9	612(A)	MANHOLE ADJUSTED TO GRADE (PUBLIC)	S-12,R-2,D-1,D-2,D-6,G-1	EA	1				
12 619(A) REMOVAL OF STRUCTURES AND OBSTRUCTIONS R-1,R-2,R-3,R-4,R-5 LSUM 13 619(B) REMOVAL OF CURB & GUTTER R-1,R-2,R-5,R-6 LF 14 619(B) REMOVAL OF SIDEWALK R-1,R-2,R-5,R-6 SY 15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DRIVEWAY R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-1,R-1,R-2,R-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA <t< td=""><td>10</td><td>612(E)</td><td>VALVE BOX ADJUSTED TO GRADE</td><td>S-12,R-2,D-6,G-1</td><td>EA</td><td>2</td></t<>	10	612(E)	VALVE BOX ADJUSTED TO GRADE	S-12,R-2,D-6,G-1	EA	2				
13 619(B) REMOVAL OF CURB & GUTTER R-1,R-2,R-5,R-6 LF 14 619(B) REMOVAL OF SIDEWALK R-1,R-2,R-5,R-6 SY 15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-1,R-1,R-2,R-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 CAP 33J CONTRA	11	612(F)	METER BOX ADJUSTED TO GRADE	S-12,R-2,D-6,G-1	EA	2				
14 619(B) REMOVAL OF SIDEWALK R-1,R-2,R-5,R-6 SY 15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE CONTRACTORS QUALITY CONTROL L.300 27 SPECIAL TYPE I PC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY <td< td=""><td>12</td><td>619(A)</td><td>REMOVAL OF STRUCTURES AND OBSTRUCTIONS</td><td>R-1,R-2,R-3,R-4,R-5</td><td>LSUM</td><td>1</td></td<>	12	619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	R-1,R-2,R-3,R-4,R-5	LSUM	1				
15 619(B) REMOVAL OF PAVEMENT R-1,R-2,R-5,R-6 SY 16 619(B) REMOVAL OF 4" CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE DOWNER ALLOWANCE L300 26 C-97 235 CONTRACTORS QUALITY CONTROL S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY	13	619(B)	REMOVAL OF CURB & GUTTER	R-1,R-2,R-5,R-6	LF	917				
16 619(B) REMOVAL OF 4" CONCRETE DIVIDING STRIP R-1,R-2,R-5,R-6 SY 17 619(B) REMOVAL OF CONCRETE DRIVEWAY R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 C-07 335 CONTRACTORS QUALITY CONTROL S-1,S-2,S-3,S-12,S-13,S-21,G-1 L.3u/S-12,S-13,S-21,G-1 27 SPECIAL CURB RAMP S-1,S-2,S-3,S-12,S-13,S-21,G-1 EA	14	619(B)	REMOVAL OF SIDEWALK	R-1,R-2,R-5,R-6	SY	1454				
17 619(B) REMOVAL OF CONCRETE DRIVEWAY R-1,R-2,R-5,R-6 SY 18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 C-17335 CONTRACTORS QUALITY CONTROL L_10/L 27 SPECIAL TYPE I PC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	15	619(B)	REMOVAL OF PAVEMENT	R-1,R-2,R-5,R-6	SY	4				
18 631(A) (SP)REMOVABLE BOLLARD 101 EA 19 641 MOBILIZATION G-2 EA 20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 C-0733J CONTRACTORS QUALITY CONTROL LSU 27 SPECIAL TYPE I PC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	16	619(B)	REMOVAL OF 4" CONCRETE DIVIDING STRIP	R-1,R-2,R-5,R-6	SY	13				
19	17	619(B)	REMOVAL OF CONCRETE DRIVEWAY	R-1,R-2,R-5,R-6	SY	43				
20 642(B) CONSTRUCTION STAKING LEVEL II G-3,G-4 EA 21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLOW 26 C-97 335 CONTRACTORS QUALITY CONTROL L.5W 27 SPECIAL TYPE IPC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	18	631(A)	(SP)REMOVABLE BOLLARD	101	EA	2				
21 COT 334 CONSTRUCTION AS-BUILT EA 22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 COT 335 CONTRACTORS QUALITY CONTROL LJuv 27 SPECIAL TYPE IPC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	19	641	MOBILIZATION	G-2	EA	1				
22 855(A) TRAFFIC STRIPE (24" WHITE)(PLASTIC) T-3 LF 23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 C0T33J CONTRACTORS QUALITY CONTROL L\$UV 27 SPECIAL TYPE IPC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	20	642(B)	CONSTRUCTION STAKING LEVEL II	G-3.G-4	EA	1				
23 857(F) PAVEMENT MARKING REMOVAL T-1,R-1,R-2,R-3 LF 24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 C-0733J CONTRACTORS QUALITY CONTROL LSU 27 SPECIAL TYPE I PC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	21	COT 334	CONSTRUCTION AS-BUILT	·	EA	1				
24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 COT 335 CONTRACTORS QUALITY CONTROL L5m 27 SPECIAL TYPE I PC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	22	855(A)	TRAFFIC STRIPE (24" WHITE)(PLASTIC)	T-3	LF	5,984				
24 SPECIAL URBAN RIGHT-OF-WAY RESTORATION G-5,G-6,G-7,G-8,G-9,G-10 EA 25 SPECIAL OWNER ALLOWANCE ALLO 26 C.01 335 CONTRACTORS QUALITY CONTROL L; 30/L 27 SPECIAL TYPE IPC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	23	857(F)	PAVEMENT MARKING REMOVAL	T-1,R-1,R-2,R-3	LF	5,120				
26 C ot 335 Contractors quality control L5m 27 SPECIAL TYPE I PC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	24	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION		EA	1				
27 SPECIAL TYPE I PC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	25	SPECIAL	OWNER ALLOWANCE		ALLOW	1				
27 SPECIAL TYPE I PC PATCH (ARTERIAL) S-1,S-2,S-3,S-12,S-13,S-21,G-1 CY 28 SPECIAL CURB RAMP EA	26	COT 235	CONTRACTORS QUALITY CONTROL		LZUM	1				
28 SPECIAL CURB RAMP EA	27	SPECIAL	TYPE I PC PATCH (ARTERIAL)	S-1,S-2,S-3,S-12,S-13,S-21,G-1	CY	4				
29 SPECIAL TRAFFIC CONTROL	28	SPECIAL	CURB RAMP		EA	69				
25 OF LORE HATTIO CONTINUE	29	SPECIAL	TRAFFIC CONTROL		LSUM	1				

ROADWAY PAY ITEM NOTES (11/14/2018)

EARTHWORK / EROSION CONTROL / SITE PREPARATION (E1 - E11)

E-1 & E-2: NOT USED

- E-3: THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY. ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES.
- E-4: UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF AGGREGATE BASE AND MODIFIED SUBGRADE UNDER EXISTING PAVEMENT TO BE REPAIRED.

E-5: NOT USED

- E-6: THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT, AS WELL AS REMOVAL OF ALL SILT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, STORM SEWER PIPES AND APPURTENANCES WITHIN THE PROJECT LIMITS AT END OF PROJECT, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.
- E-7: EROSION PROTECTION SHALL BE PLACED AS FOLLOWS:

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

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

C) FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS, AS DIRECTED BY THE ENGINEER;
D) WITH PERIODIC REMOVAL OF SEDIMENT IN ACCORDANCE WITH STORMWATER MANAGEMENT PLAN.

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

E-8 & 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 230.04G OF ODOT STANDARD SPECIFICATIONS. WATERING SHALL BE APPLIED AS NECESSARY UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE WORK IS ACCEPTED AS COMPLETE.

ROADWAY PAY ITEM NOTES CONT.:

SURFACING / STRUCTURES (S1 - S21)

- S-1: TYPE A AGGREGATE BASE WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 90% OF THE PATCHING. QUICK SET FLOWABLE FILL WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 10% OF THE PATCHING. ACTUAL QUANTITIES TO BE DETERMINED BY THE ENGINEER.
- 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 S-11: NOT USED

S-12: THE USE OF FLY-ASH IN CONCRETE IS PROHIBITED.

S-13: INCLUDES ALL COST OF SAWED JOINTS AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS.

S-14: NOT USED

- \$-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 THRO
- 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 & S-20: NOT USED

S-21: THIS PAY ITEM INCLUDES THE FOLLOWING:

A. SAW CUTTING

B. REMOVAL OF THE EXISTING CONCRETE AND/OR ASPHALTIC CONCRETE ROADWAY (CY)

C. TYPE S3 ASPHALTIC CONCRETE OR PC CONCRETE COMPLETE AND IN PLACE PER DETAIL
D. SFALING OF FDGES AND TACK COAT

DOES NOT INCLUDE THE FOLLOWING:

A LINCLASSIFIED EXCAVATION

B. SUBGRADE METHOD B (SY)

C. SEPARATOR FABRIC (SY)

D. AGGREGATE BASE (TYPE A)

E. ASPHALT CONCRETE LEVELING OR SURFACE COURSE

REMOVAL / ADJUSTMENT (R1 - R6)

- 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.

GENERAL (G1 - G10)

- **G-1:** LOCATIONS TO BE DETERMINED IN THE FIELD AND WORK TO BE PERFORMED AT THE DIRECTION OF THE FIELD ENGINEER. QUANTITY IS ESTIMATED AND MAY BE OMITTED IN ITS ENTIRETY.
- G-2: MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. FYCU LIDES MOBILIZATION FOR WATER LINE WOOKE.
- 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 #: 918-596-2548

- **G-8:** TREE GRATES ARE NOT ACCEPTABLE PER CITY ARBORIST. CONCRETE PAVERS ARE TO BE USED AS NECESSARY AROUND TREES.
- G-9: CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO RESET ALL PAVERS, LANDSCAPE STONE, PRIVATE SIDEWALKS AND FENCES THAT ARE DISTURBED DURING CONSTRUCTION OPERATIONS. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RESETTING OF SUCH ITEMS IS TO BE INCLUDED IN PRICE BID FOR URBAN RIGHT OF WAY RESTORATION.
- G-10: PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION

DRAINAGE (D1 - D15)

- D-1: THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF TULSA STD NOS.752, 753, 754, 761, 762, 769A, 769B AND 775.
- D-2: THE TOTAL COST FOR RUBBERIZED ASPHALT AND/OR SILICONE AT MANHOLES, VALVE BOXES, INLETS, AND INLET APRONS, SHALL BE INCLUDED.

D-3 TO D-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 TO D-15: NOT USED

TRAFFIC (T1 - T7)

- T-1: ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS.
- T-2: NOT USED
- T-3: ALL PLASTIC PAVEMENT MARKINGS SHALL BE EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT AND CONCRETE PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEEDS 55°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.

T-4 TO T-7: NOT USED

PAY ITEM NOTES

100: CONSTRUCT ALL DRIVEWAYS TO CLEAN JOINT MEETING ACI DIMENSIONAL REQUIREMENTS.

101: IF NO GRADING IS NECESSARY NEAR EXISTING BOLLARDS, DO NOT DISTURB THE BOLLARDS. IF GRADING IS NECESSARY NEAR EXISTING BOLLARDS, REPLACE EXISTING BOLLARD WITH REMOVABLE BOLLARD. THIS PAY ITEM MAY BE OMITTED IN ITS ENTIRETY AND IS TO BE USED AT THE ENGINEER'S DISCRETION.



(ROADWAY) COT PROJECT #2035X001Z, PHASE 3 **BUILD GRANT/LINK ADA UPGRADES Tulsa** TULSA TRANSIT BKD HNTB City, MO 64105 DRAWN BY: SIGNED B JRVEY BY: ROFILE SCAL PROJ MGR AD ENGR. 6/22 ELD MGR. HAS 8.22

PAY QUANTITIES & NOTES

REVISION BY DATE PLAN SCALE: DRAWN BY: JCD 11/2021
DESIGNED BY: RJM 11/2021
SURVEY BY:
PROFILE SCALE PROJ. MGR. RF 6/22
HORIZONTAL: LEAD ENGR. D 6/22
FIELD MGR. PLUL TYPE.
RECOMMENDED HS 8-21
DESIGN MANAGER
FILE: DRAWNG: DATE:
ATLAS PAGE NO: SHEET 2 OF 26 58

GENERAL CONSTRUCTION NOTES (9/12/2016):

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS.
- 2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
- PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF TULSA OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
- 4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- 5. THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS; AT&T, PUBLIC SERVICE COMPANY OF OKLAHOMA (AEP), OKLAHOMA NATURAL GAS (ONG), COX COMMUNICATIONS, MCIVERIZON, EASYTEL COMMUNICATIONS, WELLSCO VALLOR TELECOM, CITY OF TULSA-WATER AND SEWER, CITY OF TULSA-TRAFFIC OPERATIONS. SEE TITLE SHEET FOR CONTACT INFORMATION.
- 6. THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
- 7. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
- 8. THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
- 9. THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF TULSA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.
- 10. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT 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 POLLES 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.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.
- 26. NOT USED
- ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.
- 28. NOT USED
- 29. CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS AND COT STD 790.
- 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. NOT USE
- 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 OK! AHOMA
- 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 JULY 26, 2011 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 INMEDIATELY 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. NOT USED
- **42.** THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN TULSA TRANSIT AUTHORITY (MTTA), ERIC SMITH 918-830-0024, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO DETOLIZING TRAFFIC.
- **43.** THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING NEIGHBORHOOD, MTTA, ETC. TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS PART OF THIS PROJECT.
- 44. THESE PLANS INCLUDE THE APPROXIMATE LOCATION OF EXISTING TRAFFIC SIGNAL POLES, EXISTING TRAFFIC SIGNAL PULL BOXES, EXISTING TRAFFIC SIGNAL JUNCTION BOXES, EXISTING POWER POLES, EXISTING MANHOLES, EXISTING TRAFFIC SIGNS, AND PROPOSED PEDESTRIAN SIGNAL POLES. THESE ITEMS ARE SHOWN FOR INFORMATION AND COORDINATION PURPOSES ONLY. THE IMPROVEMENTS INCLUDED IN THIS PROJECT ARE INTEGRAL AND SHALL BE COORDINATED WITH THE IMPROVEMENTS PROPOSED IN PROJECT 2035X001Z PHASE 2 BUILD GRANT/LINK TRAFFIC SIGNAL UPGRADE.

TRAFFIC OPERATIONS GENERAL CONST. NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE TRAFFIC SIGNAL IN A PROPER WORKING CONDITION DURING CONSTRUCTION AS DIRECTED BY THE TRAFFIC ENGINEER AND FOR FOLLOWING THE REQUIREMENTS OF COT 666 TRAFFIC SIGNAL CONSTRUCTION AND OPERATION. ALL TRAFFIC MATERIALS SHALL MEET THE REQUIREMENTS OF COT 627 PRE-QUALIFICATION FOR TRAFFIC OPERATIONS MATERIALS OR AS DIRECTED BY THE TRAFFIC ENGINEER. CONTRACTORS SHALL MEET THE REQUIREMENTS OF COT 628 SIGNAL AND LIGHTING PROJECT CONTRACTOR EXPERIENCE REQUIREMENTS.

THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FOR ELECTRICAL INSPECTION ON ALL SIGNAL AND LIGHTING WORK PER COT SPECIFICATION 626 TRAFFIC SIGNAL CONSTRUCTION AND OPERATION. USE THE NEAREST CROSSING STREETS FOR THE ELECTRICAL PERMIT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS PART OF THIS PROJECT. ALL SIGNS AND POSTS 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.

PAVEMENT MARKINGS SHALL MEET THE REQUIREMENTS OF ODOT STANDARDS AND SPECIFICATIONS FOR PAVEMENT MARKINGS, BUT SHALL BE PROVIDED USING TULSA STANDARD PAVEMENT MARKING LAYOUTS WHEN APPLICABLE. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.



GENERAL CONSTRUCTION NOTES COT PROJECT #2035X001Z, PHASE 3 **BUILD GRANT/LINK ADA UPGRADES Tulsa** TULSA TRANSIT HNTB BKL DRAWN BY: BY DATE PLAN SCALE: 1/2021 APPROVED SIGNED B JRVEY BY: ROFILE SCA PROJ. MGR 622 AD ENGR. TELD MGR. COMMENDED HAS 8-22

ATLAS PAGE NO:

SUMMARY OF ROADWAY QUANTITIES																				
DESCRIPTION	46TH ST & PEORIA AVE	MOHAWK BLVD N & PEORIA AVE	MOHAWK BLVD S AND PEORIA AVE	APACHE ST & PEORIA AVE	VIRGIN ST & PEORIA AVE	QUEEN ST & PEORIA AVE	PINE PL & PEORIA AVE	INDEPENDENCE ST & PEORIA AVE	ARCHER ST & PEORIA AVE	ADMIRAL BLVD & PEORIA AVE	15TH ST & PEORIA AVE	16TH ST & PEORIA AVE	21ST ST & PEORIA AVE	31ST ST & PEORIA AVE	63RD ST & PEORIA AVE	66TH PL & PEORIA AVE	RIVERSIDE DR & PEORIA AVE	RIVERSIDE & 71ST ST	PEORIA AVE & SKELLY DR	PEORIA AVE & 51ST ST
UNCLASSIFIED EXCAVATION	30	20	10	50	40	10	10	10	10	20	0	10	0	10	10	10	10	30	0	0
SOLID SLAB SODDING	0	91	48	0	73	19	17	6	36	10	0	32	0	0	33	10	31	63	0	0
COMBINED CURB AND GUTTER (6"-BARRIER)	181	50	36	136	61	16	9	32	67	165	0	38	0	49	0	0	0	77	0	0
SIDEWALK SUMMARY																				
CONCRETE SIDEWALK (4")	106	68			190		6				0			31	38	6	22	115	0	0
STAMPED CONCRETE SIDEWALK (4")	31	0	0	103	57	4	0	4	4	0	0	0	0	10	0	0	0	0	0	0
6" CONCRETE DRIVEWAY (H.E.S.)	0	0	0	0	. 0	0	0	0	0	0	0	43	0	0	0	0	0	0	0	0
TACTILE WARNING DEVICE	80	20	20	80	80	20	20	20	40	80	0	20	0	40	40	20	30	80	0	0
MANHOLE ADJUSTED TO GRADE (PUBLIC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALVE BOX ADJUSTED TO GRADE	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
METER BOX ADJUSTED TO GRADE	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
REMOVAL OF CURB & GUTTER	181	50	36	136	61	16	9	32	67	165	0	38	0	49	0	0	0	77	0	0
REMOVAL OF SIDEWALK	118	168	108	352	210	16	8	8	48	108	0	52	0	46	42	8	34	128	0	0
REMOVAL OF PAVEMENT	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
REMOVAL OF 4" CONCRETE DIVIDING STRIP	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
REMOVAL OF CONCRETE DRIVEWAY	0	0	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0	0	0	0
TRAFFIC STRIPE (24" WHITE)(PLASTIC)	590	160	140	740	490	0	0	0	210	440	410	0	400	430	50	0	220	840	414	450
PAVEMENT MARKING REMOVAL	590	160	140	740	490	0	0	0	210	440	410	0	400	430	50	0	220	840	0	0
TYPE I PC PATCH (ARTERIAL)	0	0	. 0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
CURB RAMP	8	2	2	8	8	2	2	2	4	8	0	2	0	4	4	2	3	8	0	0
SIGN SUMMARY														•			•		-	
REMOVE AND RELOCATE SIGN	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RAMP SUMMARY					L		L	L			L	L				L	I			0
TYPE A RAMP	1			4	6					4				2				6	0	0
TYPE B RAMP	3	2		4	1	2	2	1	1	2		1			4	2	2	2	0	0
TYPE C RAMP																	1		0	0
TYPE D RAMP			2		1				3	2		1		2					0	0
TYPE E RAMP	4							1											0	0



SUMMARIES

COT PROJECT #2035X001Z, PHASE 3
BUILD GRANT/LINK ADA UPGRADES



TULSA TRANSIT

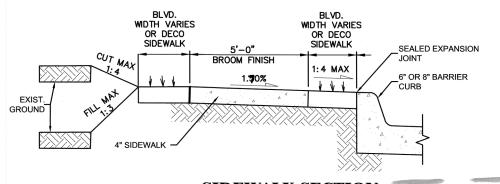
DESIGNED BY: PROFILE SCALE PROJ. MGR. PROJ. MGR. RF G722

LEAD ENGR. D) 6/22

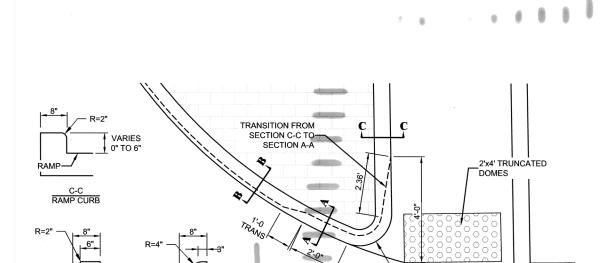
FIELD MGR. 22W 7/22

RECOMMENDED HAS 8.22

FILE: ATLAS PAGE NO:



SIDEWALK SECTION



CURB RAMP MODIFICATION DETAIL

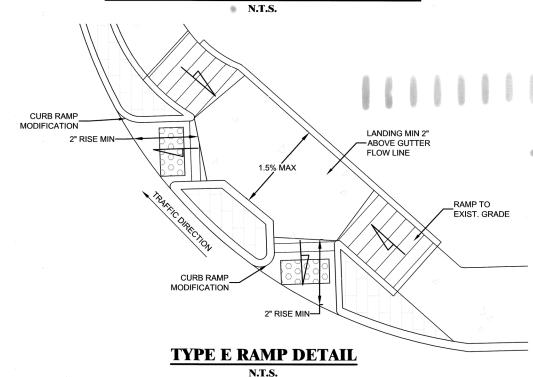
B-B RAMP CURB

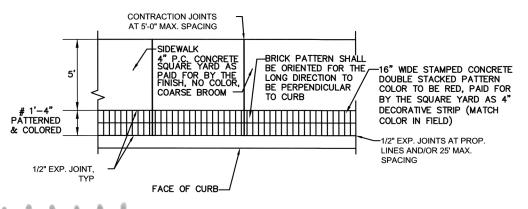
6" BULL NOSE CURB

NOTE: ALL TYPE B & E RAMPS

TO RECEIVE THIS MODIFICATION

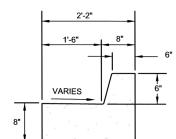
TRAFFIC DIRECTION





DETAIL OF 2'-2" COMBINATION CURB & GUTTER (8" BARRIER)

VARIES



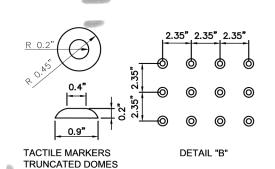
DETAIL OF 2'-2" COMBINATION CURB & GUTTER (6" BARRIER)

SIDEWALK NOTES:

1) JOINT SEALER SHALL MEET THE REQUIREMENTS OF SECTIONS 701.08b AND 701.08e.

DECORATIVE SIDEWALK PLAN

WHEREVER PRACTICABLE, TRANSVERSE SIDEWALK JOINTS SHALL BE ALIGNED WITH PAVING JOINTS AND/OR BRICK PATTERN.



TACTILE MARKERS TRUNCATED DOMES

TACTILE WARNING DETAILS INSTALLATION NOTES

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

THE TRUNCATED DOMES SHALL BE:

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

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

-DUCTILE IRION

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

* MINIMIZE DISTANCE TO TIE INTO EXISTING DRIVE (MAX. 10%)

ALL REQUIREMENTS OF CITY OF TULSA STANDARD NO. 790, STANDARD SIDEWALK RAMP SHALL APPLY .



DETAILS (1 OF 1) COT PROJECT #2035X001Z, PHASE 3 BUILD GRANT/LINK ADA UPGRADES Tulsa TULSA TRANSIT HNTB 1623 E. 6th St. Tulsa, OK 74120 RAWN BY: ESIGNED BY PROJ. MGR. EAD ENGR. FIELD MGR. ZZW 7/22

ATLAS PAGE NO:

