

AUSTIN AVENUE SIDEWALK IMPROVEMENTS (FROM 11TH ST. TO 3RD ST.)

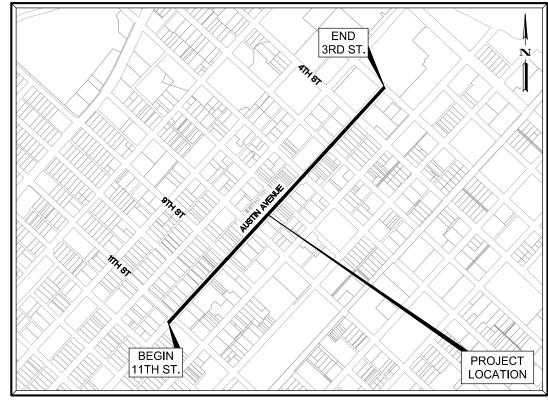
PROJECT XXXXXXXX - STREETS PROJECT XXXXXXXXX - UTILITIES



REGISTERED ACCESSIBILITY SPECIALIST (RAS) INSPECTION REQUIRED TDLR NO.

CITY OF WACO PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION (STREET, WATER, SANITARY SEWER, DRAINAGE, RETAINING WALL)



LOCATION MAP AUSTIN AVENUE STREET CLASSIFICATION 1TH TO 3RD: URBAN COLLECTOR 2010 ADT: 5066





BGE, Inc. 3925 IH 35 South, Waco, TX 76706 Tel: 972-464-4800 • www.bgeinc.com TBPE Registration No. F-1046

MAYOR DILLON MEEK

CITY COUNCIL ANDREA J. BAREFIELD - COUNCIL DIST. 1 ALICE RODRIGUEZ - COUNCIL DIST. 2 JOSH BORDERUD - COUNCIL DIST. 3 DAVID HORNER - COUNCIL DIST. 4 JIM HOLMES - COUNCIL DIST. 5

CITY MANAGER BRADLEY FORD





60% **SUBMITTAL** FOR PRELIMINARY **DESIGN REVIEW**

THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED.

RESPONSIBLE ENGINEER: RESFORSIBLE ENGINEER: BGE, INC. TEXAS REGISTERED ENGINEERING FIRM F-1046 CARL J. KROGNESS, P.E. TEXAS REGISTRATION NO. 91869 May 15, 2023



Clark W. Mar PE. 12/16/2022 BGE, Inc. F-1046

PROJECT ENGINEER (COMPLETE & CORRECT) DATE

UTILITIES DIRECTOR (APPROVED FOR BIDDING)

PUBLIC WORKS DEPARTMENT DIRECTOR (APPROVED FOR BIDDING)

DATE

DATE

SHEET INDEX

C COVER SHEET

<u>000 - GENERAL</u>

001 SHEET INDEX
002 GENERAL NOTES & UTILITY CONTACTS
003 CONSTRUCTION NOTES
004 ESTIMATED QUANTITIES
005 SPECIAL PROVISIONS - SHEET 1 OF 8
006 SPECIAL PROVISIONS - SHEET 2 OF 8
007 SPECIAL PROVISIONS - SHEET 3 OF 8
008 SPECIAL PROVISIONS - SHEET 4 OF 8
009 SPECIAL PROVISIONS - SHEET 5 OF 8
010 SPECIAL PROVISIONS - SHEET 5 OF 8
011 SPECIAL PROVISIONS - SHEET 7 OF 8
012 SPECIAL PROVISIONS - SHEET 8 OF 8
013 OVERALL PROJECT MAP

100 - PLAN SHEETS

101 PLAN SHEET - BEGIN TO STA 4+00 102 PLAN SHEET - STA 4+00 TO STA 6+00 103 PLAN SHEET - STA 6+00 TO STA 8+00 104 PLAN SHEET - STA 8+00 TO STA 10+00 105 PLAN SHEET - STA 10+00 TO STA 12+00 106 PLAN SHEET - STA 12+00 TO STA 14+00 107 PLAN SHEET - STA 14+00 TO STA 16+00 108 PLAN SHEET - STA 16+00 TO STA 18+00 109 PLAN SHEET - STA 18+00 TO STA 20+00 110 PLAN SHEET - STA 20+00 TO STA 22+00 111 PLAN SHEET - STA 22+00 TO STA 24+00 112 PLAN SHEET - STA 24+00 TO STA 26+00 113 PLAN SHEET - STA 26+00 TO STA 28+00 114 PLAN SHEET - STA 28+00 TO STA 30+00 115 PLAN SHEET - STA 30+00 TO STA 32+00 116 PLAN SHEET - STA 32+00 TO STA 34+00 117 PLAN SHEET - STA 34+00 TO STA END

200 - DETAILS

201 STANDARD DETAILS - GENERAL - SHEET 1 OF 4 202 STANDARD DETAILS - GENERAL - SHEET 2 OF 4 203 STANDARD DETAILS - GENERAL - SHEET 3 OF 4 204 STANDARD DETAILS - GENERAL - SHEET 4 OF 4 **205 STANDARD DETAILS - SANITARY SEWER** 206 STANDARD DETAILS - SIDEWALK - SHEET 1 OF 5 207 STANDARD DETAILS - SIDEWALK - SHEET 2 OF 5 208 STANDARD DETAILS - SIDEWALK - SHEET 3 OF 5 209 STANDARD DETAILS - SIDEWALK - SHEET 4 OF 5 210 STANDARD DETAILS - SIDEWALK - SHEET 5 OF 5 211 STANDARD DETAILS - TRAFFIC CONTROL - SHEET 1 OF 2 212 STANDARD DETAILS - TRAFFIC CONTROL - SHEET 2 OF 2 213 STANDARD DETAILS - WATER 214 STANDARD DETAILS - WATERSHED PROTECTION - SHEET 1 OF 2 215 STANDARD DETAILS - WATERSHED PROTECTION - SHEET 2 OF 2 216 MODIFIED DETAILS - SIDEWALK - SHEET 1 OF 3 217 MODIFIED DETAILS - SIDEWALK - SHEET 2 OF 3 218 MODIFIED DETAILS - SIDEWALK - SHEET 3 OF 3 219 MODIFIED DETAILS - STREET 220 PROJECT SPECIFIC DETAILS - TREE REMOVAL AND PRUNNING 221 PROJECT SPECIFIC DETAILS - PAVEMENT MARKING - SHEET 1 OF 2 222 PROJECT SPECIFIC DETAILS - PAVEMENT MARKING - SHEET 2 OF 2 223 TMUTCD DETAILS - SHEET 1 OF 3 224 TMUTCD DETAILS - SHEET 2 OF 3 225 TMUTCD DETAILS - SHEET 3 OF 3

60% SUBMIT FOR PRELI DESIGN R	TTAL MINARY EVIEW	THESE PLANS THE PURPOSI REVIEW AND / FINAL FOR SEALED, SIG RESPONSI RESPONSI FIRM CLARK TEXAS REGIST	E OF PRE ARE NOT ISSUED M THEY N NED AND BLE ENG BLE ENG ERED EN I F-1046	ELIMINARY INTENDED ION. IN WILL BE D DATED. INEER: GINEERING
REV. D	ESCRIPTION	TEXAS REGIST May BY	15, 2023	NO. 80599 DATE
	CITY OF	WACO		
AUSTIN AVE	NUE SIDEV	ALK IMF	ROVE	MENTS
	SHEET I	NDEX		
Tel: 4	, Inc. I Pearl St., Suite 2100 69-621-3200 ● www. E Registration No. F-1	bgeinc.com)1	
DESIGNED: BGE DRAWN: BGE CHECKED: BGE	DATE MAY 2023	PROJEC		Sheet 001

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WACO STANDARD SPECIFICATIONS FOR CONSTRUCTION (THE CURRENT VERSION) AND APPLICABLE CITY OF WACO MANUAL OF STANDARD DETAILS (WMSD) UNLESS OTHERWISE NOTED.

CONTRACT ADMINISTRATION

THE CONTRACT IS A WRITTEN AGREEMENT BY WHICH THE CONTRACTOR HAS COMMITTED TO COMPLETE THE SPECIFIC SCOPE OF WORK, IN COMPLIANCE WITH THE DRAWINGS, SPECIFICATIONS, SCHEDULE, AND ALL APPLICABLE LAWS, RULES AND REGULATIONS. COMPENSATION FOR SAID WORK SHALL BE MADE AS DESCRIBED IN THE AGREED-UPON PROPOSAL. ANY REQUEST FOR CHANGE TO THE DESIGN. SCHEDULE. OR PROJECT COST MUST BE MADE IN WRITING AND APPROVED PRIOR TO IMPLEMENTATION.

SUBMITTALS

THE CONTRACTOR SHALL SUBMIT, WITHIN 10 DAYS OF THE EFFECTIVE DATE OF THE NOTICE TO PROCEED, THE FOLLOWING:

- THE NAME AND CONTACT INFORMATION OF THE PROJECT SUPERINTENDENT:
- THE NAME AND CONTACT INFORMATION OF THE EMERGENCY CONTACT; THE NAME, QUALIFICATIONS, AND CONTACT INFORMATION OF THE DESIGNATED
- SAFETY REPRESENTATIVE(S); THE NAME AND CONTACT INFORMATION FOR THE DESIGNATED PROJECT
- MANAGER FOR THIS CONTRACT.

ENVIRONMENTAL AND SAFETY PLANS

THE CONTRACTOR SHALL SUBMIT FOR REVIEW ALL REQUIRED ENVIRONMENTAL AND SAFETY PLANS FOR THE COMPLETION OF THE WORK. THE WORK WILL NOT BE PERMITTED TO BEGIN UNTIL ALL RELATED PLANS HAVE BEEN REVIEWED BY THE APPROPRIATE PARTY(IES).

TRAFFIC CONTROL PLAN (TCP) WHEN REQUIRED, THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING A TRAFFIC CONTROL PLAN FOR REVIEW. THE PLAN SHALL BE BASED UPON APPLICABLE CITY AND STATE REQUIREMENTS AND ESTABLISHED STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING THE PLAN AS THE WORK PROGRESSES AND SUBMITTING MODIFICATIONS FOR REVIEW AS NEEDED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ENSURING THE INSPECTOR IS PROVIDED A COPY OF THE SIGNED PLAN 15 DAYS PRIOR TO BEGINNING WORK.

TRENCH SAFETY PLANS

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS. WHEN REQUIRED BY THE WORK, THE CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN FOR REVIEW. THE PLAN SHALL INCLUDE THE RECOMMENDED SAFETY PROTECTION MEASURES WITH THE APPROPRIATE LOADING REQUIREMENTS.

THE CONTRACTOR SHALL ENSURE THAT THE PROTECTIVE MEASURES LOCATED ON SITE AND ALL PROCEDURES ON THE PROJECT ARE IN COMPLIANCE WITH ALL ASPECTS OF THE PLAN.

ALL RELATED DOCUMENTATION WILL BE MADE AVAILABLE TO THE INSPECTOR ON A DAILY BASIS. THE CONTRACTOR SHALL PROVIDE COPIES OF ALL RELATED DOCUMENTATION TO THE OWNER UPON REQUEST.

CONFINED SPACE PLANS

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS. WHEN REQUIRED BY THE WORK, THE CONTRACTOR SHALL SUBMIT A CONFINED SPACE PLAN FOR REVIEW. THE CONTRACTOR SHALL ENSURE THAT ALL PROCEDURES EMPLOYED ON THE PROJECT ARE IN COMPLIANCE WITH ALL ASPECTS OF THE PLAN.

ALL RELATED DOCUMENTATION WILL BE MADE AVAILABLE TO THE INSPECTOR ON A DAILY BASIS. THE CONTRACTOR SHALL PROVIDE COPIES OF ALL RELATED DOCUMENTATION TO THE OWNER UPON REQUEST

WATER LINES

SHALL HAVE A MINIMUM COVER OF 3.5 FT. BELOW FINISHED STREET GRADE UNLESS OTHERWISE SPECIFIED. EXISTING FIRE HYDRANTS THAT ARE TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE CITY OF WACO, AND SHALL BE DELIVERED IN WHOLE TO THE CITY OF WACO STORAGE YARD AT 4TH AND COLCORD

WASTEWATER

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE EACH SANITARY SEWER SERVICE AFFECTED BY THE PROJECT AND REPLACE EACH WITH AN EQUAL SIZE NEW SERVICE (4 IN. MIN.), COMPLETE WITH 2-WAY CLEANOUT UNI ESS OTHERWISE SPECIFIED

ALL SANITARY SEWER MANHOLES SHOWN TO BE ABANDONED SHALL HAVE THE RING AND COVER REMOVED AND DELIVERED TO THE CITY OF WACO STORAGE YARD AT 4TH AND COLCORD. ALL PIPES INSIDE THE MANHOLE SHALL BE PLUGGED WITH CONCRETE, THE MANHOLE BACKFILLED WITH FLOWABLE FILL, FOLLOWED BY THE APPROPRIATE SURFACE REPLACEMENT. THE TOP OF THE MANHOLE SHALL BE BROKEN DOWN TO A POINT AT LEAST 12 IN. BELOW NATURAL GROUND OR FINISHED PAVEMENT GRADE, OR 12 IN. BELOW LIMITS OF CONSTRUCTION.

UTILITIES EXISTING UTILITIES HAVE BEEN SHOWN AS BEST AS CAN BE DETERMINED FROM UTILITY COMPANY RECORDS AND INVESTIGATION. THE UTILITY LINE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND ARE FURNISHED AS A GUIDE FOR THE CONTRACTOR. THE CONTRACTOR WILL VERIFY THE LOCATION AND

GENERAL NOTES

GAS LINES TO BE RELOCATED OR ADJUSTED BY OTHERS. TELEPHONE LINES TO BE RELOCATED OR ADJUSTED BY OTHERS. UTILITY POLES TO BE RELOCATED BY OTHERS

ELEVATION OF ALL UTILITIES BEFORE BEGINNING EXCAVATION

THE CONTRACTOR SHALL NOTIFY, (SEE LIST THIS SHEET), PRIOR TO STARTING CONSTRUCTION ON ANY STREET IN THE VICINITY OF ANY EXISTING UTILITIES SO THAT ANY ADJUSTMENTS OF EXISTING UTILITIES THAT HAVE NOT PREVIOUSLY BEEN MADE CAN BE MADE PRIOR TO CONSTRUCTION.

STORM WATER POLLUTION PREVENTION PLAN THE EROSION CONTROL PLAN PROVIDED IN THE PLAN SET SHALL BE CONSIDERED THE MINIMUM EROSION CONTROL MEASURES FOR THE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY "TO DEVELOP AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH TCEQ GENERAL PERMIT TXR150000 PRIOR TO THE BEGINNING OF CONSTRUCTION ACTIVITY", AS DESCRIBED IN SECTION 1.10: STORM WATER POLLUTION PREVENTION IN THE CITY OF WACO'S 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE CITY OF WACO CODE OF ORDINANCES, CHAPTER 26 ARTICLE VIII - STORM WATER REGULATIONS SEC. 26-325 THRU SEC. 26-330. IF REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING THE PLAN AS THE WORK PROGRESSES AND SUBMITTING MODIFICATIONS FOR REVIEW AS NEEDED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ENSURING THE INSPECTOR IS PROVIDED A COPY OF THE APPROVED AND SIGNED PLAN PRIOR TO BEGINNING WORK. THE TABLE BELOW IS FOR INFORMATIONAL PURPOSES ONLY

ACTION REQUIRED	≥ 5 ACRES	≥ 5 ACRES	≥ 5 ACRES
IMPLEMENT BMPs AS SHOWN IN PLAN SET *	1	√	1
PREPARE & IMPLEMENT SWP3	—	√	7
POST SITE NOTICE		√	V
SUBMIT COPY OF SITE NOTICE TO MS4 OPERATOR		√	\
SUBMIT NOI TO TCEQ & MS4 OPERATOR	—		1
SUBMIT NOT TO TCEQ & MS4 OPERATOR	—		>

*AN EROSION CONTROL PLAN IS REQUIRED, IF NOT INCLUDED IN PLAN SET

STREET CONSTRUCTION

WHERE NEW CURB AND GUTTER IS PLACED NEXT TO EXISTING CURB AND GUTTER, THE GUTTER GRADES SHALL MATCH, AND A 1/2 IN. EXPANSION JOINT SHALL BE ADDED BETWEEN THE OLD AND NEW CURB AND GUTTER. WITH 5/8 IN. x 24 IN. SMOOTH DOWELS. ONE SIDE WRAPPED. PLACED SIMILARLY TO LONGITUDINAL REINFORCING STEEL.

EXISTING PAVEMENT SHALL BE SAWED TO A SMOOTH STRAIGHT LINE AT THE BEGINNING AND END OF STREET CONSTRUCTION WHERE SHOWN AND AT ALL CONSTRUCTION LIMITS WHERE SHOWN

IN THE CASE OF A STREET BEING LIME STABILIZED AND CURB & GUTTER BEING REPLACED, OR NEW CURB & GUTTER BEING CONSTRUCTED, EACH EXISTING WATER METER THAT IS NOT AT LEAST 2 FT. BEHIND THE PROPOSED BACK OF CURB SHALL BE RELOCATED TO AT LEAST 2 FT. BEHIND THE PROPOSED BACK OF CURB. EACH NEW WATER SERVICE IN THIS CASE SHALL BE CONSTRUCTED SUCH THAT THE METER IS AT LEAST 2 FT. BEHIND THE PROPOSED BACK OF CURB

INSTALLATION OF ANY PIPE WITHIN THE RIGHT-OF-WAY PROPOSED OR EXISTING STREET SHALL REQUIRE THE SAME EMBEDMENT AS FOR INSTALLATION IN STREETS.

STORM SEWER

MEASURE FOR PAYMENT FOR REINFORCED CONCRETE PIPE SHALL EXTEND ONLY TO THE INSIDE FACE OF MANHOLE WALLS AND SHALL EXCLUDE THE INSIDE MANHOLE DIMENSION.

EXISTING R.C.P. SHALL BECOME THE PROPERTY OF THE CONTRACTOR UPON REMOVAL FROM THE PROJECT.

SIDEWALKS

WHEN OPERATIONS REQUIRE A SIDEWALK CLOSURE, THE CONTRACTOR SHALL USE "SIDEWALK CLOSED" SIGNS AND TRAFFIC CONTROL DEVICES CONTROLLING PEDESTRIAN FLOWS AS NECESSARY TO ROUTE PEDESTRIANS SAFELY AROUND THE CLOSED SIDEWALK

IF A SIDEWALK IS TO BE CONSTRUCTED NEAR A BUILDING OR STRUCTURE, THE CONTRACTOR SHALL REFER TO THE TXDOT DETAIL: BUILDINGS AND STRUCTURES PROTECTION PLAN. THIS DETAIL INCLUDES NOTES REGARDING PROTECTION OF BUILDINGS AND STRUCTURES DURING THE ENTIRE CONSTRUCTION PROJECT (INCLUDING HISTORICAL BUILDINGS)

SURVEY DATA DRAWINGS IN THIS PLAN SET DO NOT REPRESENT BO SURVEYS. ANY BOUNDARY OR PROPERTY LINES SHO ARE FOR GENERAL INFORMATION ONLY. ALL COORD IN REFERENCE TO TEXAS STATE PLANE NAD 83 CEN COORDINATES. ELEVATIONS ARE RELATIVE TO VERT

UTILITY CONTACTS

AT&T CALVIN PEWITT (254) 757-7810 (O) (254) 715-7869 (M)

ATMOS ENERGY GARRETT HARBERT (254) 451-9866

GRANDE COMMUNICATIONS JOHNNY HUTYRA (254) 235-2072

CENTURYLINK NATIONAL HUGH NIELSEN (512) 656-4763

WINDSREAM KDLTX JOSH MORSE JOSH.MORSE@WINDSTREAM.COM

SPECTRUM/CHARTER (TWC) SHAUN WHITEHEAD SHAUN.WHITEHEAD@CHARTER.COM (254) 644-7608 (C) (254) 770-5215 (F)

BRIAN STORY (254) 232-7119

MCI ED HILL (972) 560-1599 (469) 992-3813

COL

FIBER LIGHT MIKE BITSCHE (346) 802-7370

ONCOR ELECTRIC

FOR DAMAGE TO LINES, CALL ONCOR SERVICE REQUEST (888) 313 TO REPORT A POWER OUTAGE, CALL (888) 313-4747 FOR UTILITY COORDINATION, CALL MICHAEL BALDWIN (254) 750-RYAN KREUZER (254) 405-7439

*NOTE: CONTACT BILLY DEHART 24 HOURS IN ADVANCE IF WORKING NEA

ONE CALL NOTIFICATION CEN

LONESTAR NOTIFICATION CENTER

WEBSITE: HTTP://WWW.OCCINC.COM/ LOCATIONS/LONE_STAR.ASP (800) 669-8344

TEXAS EXCAVATION SAFETY SYSTEM WEBSITE: HTTP://WWW.DIGTESS.ORG (800) DIG-TESS OR (800) 344-8377

TEXAS ONE CALL SYSTEM WEBSITE: HTTP://WWW.TEXASONECALL.COM (800) 245-4545

UNDERGROUND PIPELINE (GAS) DAMAG

WEBSITE: HTTP://WWW.RRC.STATE.TX.US/PROGRAMS/ DAMAGEPREVENTION/INDEX.PHP OPERATIONS CENTER: (800) 460-3030 OR (800) 545-6005

REPRESENT BOUNDARY OR PROPERTY RTY LINES SHOWN ARE APPROXIMATE AND Y. ALL COORDINATES GIVEN ARE E NAD 83 CENTRAL 4203 IN GRID ATIVE TO VERTICAL DATUM NAVD 88.					
DNTACTS					
CITY OF WACO WATERSHED PROTECTION MS4 COMPLIANCE MARK KEELEY (254) 750-5440 stormwater@wacotx.gov					
CITY OF WACO WATER DISTRIBUTION AND SANITARY SEWER DANA JOHNSTON (254) 749-7835 AFTER HOURS/EMERGENCY: (254) 299-2489					
CITY OF WACO OPERATIONS DIVISION FRANK BUTLER (STREETS AND DRAINAGE) (254) 750-8690					
CITY OF WACO TRAFFIC MANAGER JAMES BAILEY (254) 750-6639					
*CITY OF WACO TRAFFIC SECTION: ELECTRICAL CONDUIT & TRAFFIC SIGNALS CONTACT 24 HOURS IN ADVANCE IF WORKING NEAR SIGNALIZED INTERSECTIONS. BILLY DEHART (254) 749-4087					
CITY OF WACO TRANSIT JOSEPH DVORSKY (254) 750-1744					
CITY OF WACO SOLID WASTE JOHN SETTLEMYER (OPERATIONS MANAGER) (254) 379-1790					
EQUEST (888) 313-6862 4747 LDWIN (254) 750-5202 ER (254) 405-7439	60% SUBMI FOR PRELI DESIGN R	TTAL MINARY	THE REVI F SE	SE PLANS ARE IS: PURPOSE OF PRI EW AND ARE NOT FOR CONSTRUCT WHEN ISSUED INAL FORM THEY ALED, SIGNED AND RESPONSIBLE ENG	ELIMINARY INTENDED ION. IN MILL BE D DATED.
IF WORKING NEAR SIGNALIZED INTERSECTIONS.				BGE, INC. AS REGISTERED EN FIRM F-1046 CLARK GAUER, AS REGISTRATION I May 15, 2023	6 P.E. NO. 80599
CATION CENTERS	REV. D	DESCRIPTION			DATE
		CITY OF	w	ACO	
СОМ	AUSTIN AVE	NUE SIDE	WAL	K IMPROVE	MENTS
GAS) DAMAGE REPORTING					
S/PROGRAMS/					
8 (800) 545-6005					
	BGE 700	E, Inc. N Pearl St., Suite 21 469-621-3200 ● ww E Registration No. F	w.bgeir		
	DESIGNED: DRAWN:	DATE		PROJECT NO.	Sheet
	CHECKED:	MAY 2023		11264-00	

JE, Inc. TAN/Projects/City_Moco/11264-00-Austin_Avenue_Sidewolks_Improvements/PW/OI_CADD/OI_Shts/C_CONSTRUCTION_NOTES.dwg May 15, 2023-12:13pm srange!

60% SUBMI For Preli Deskon R	TTAL minary	THE PUF REVIEW / FO FINAL SEALED RESF	PLANS ARE ISS RPOSE OF PRE AND ARE NOT WHEN ISSUED FORM THEY V , SIGNED AND BOE, INC. EGISTRERED EN FIRM F-1046 ARK GAUER, I EGISTRATION N May 15, 2023	LIMINARY INTENDED ION. IN MLL BE DATED. NEER: GINEERING
REV. D	ESCRIPTION		BY [DATE
	CITY OF	- WAC	:0	
AUSTIN AVE	NUE SIDE	WALK	IMPROVE	MENTS
(CONSTRUCT	TION NC	DTES	
BCE 700 1 Tel: 4	, Inc. N Pearl St., Suite 21 169-621-3200 ● ww E Registration No. F	w.bgeinc.con		
DESIGNED: BGE DRAWN: BGE CHECKED: BGE	DATE MAY 2023		OJECT NO.	Sheet 003

				SUMMAR`	Y OF ES	STIMAT	ed qua	NTITIES	6														
	Specification / Detail	Bid Item Description	Total Quantity All SH Ts	Measure										SHT 110			5th SHT 113		4th SHT 115	SHT 116	3rd SHT 117		
1.00		SIDEWALK																					
1.01	COW 6.4	MOBILIZATION & PROJECT INCIDENTALS (EST @ 8%)	1	LS			1	1		1	1		1	1		1				1			
1.02		BETTER STREETS WACO SIGN ASSEMBLY,	2	EA										2									
1.03	COW 1.1	PREPARING RIGHT OF WAY	1	LS										1									
1.04	TxDOT 354	PLANE ASPH CONC PAV (2"-3")	600	SY	200	-	-	-	200	-		-	-	-	-	-	-	-	200	-	-	1	
1.05		2-INCH HOT MIX ASPHALTIC CONCRETE (TYPE D) SURFACE COURSE (64-22)	600	SY	200	-	-	-	200	-	-	-	-	-	-	-	-	-	200	-	-		
1.06	SpcI Provision to 2.5-001	PRIME COAT	1 <mark>4</mark> 0	GAL	60	-	-	-	20	-	-	-	-	-	-	-	-	-	60	-	-		
1.07		REMOVE AND REPLACE CURB AND GUTTER	410	LF	100	-	-	-	140	-	25	-	25	-	75	2	-	-	25	-	20		
1.08	DETAIL Sheet 216	REMOVE AND REPLACE CONCRETE SIDEWALK	11,400	SF	450	775	275	-	675	2,650			225	2,100	925	250	250	580	50	230	40		
1.09	DETAIL Sheet 216	REMOVE AND RELAY PEDESTRIAN BRICK PAVER PATH	7,275	SF	-	-	-	-	325	325	675	700	500	300	300	1,325	720	990	430	175	510		
1.10		CURB RAMP (SPECIAL)(ADA): TO INCLUDE REMOVING EXISTING RAMP, SIDEWALK, GUTTER, ETC.	15	EA	-	-	-	-	-	-	4	-	4	-	4	-	-	-	3	-	-		
1.11		PERPENDICULAR CURB RAMP (TYPE 1): TO INCLUDE REMOVING EXISTING RAMP, SIDEWALK, GUTTER, ETC.	10	EA	2	-	-	-	8	-	-	-	-		-	-	-	-	-	-	-		
1.12		ROOT BARRIER	150	LF		-	-	-	-	30	-	30	-	30	-	30	-	30	-	-	-		
1.13 1.14	SpcI Proj Provisions /	REMOVE, REFURBISH AND RESET TRASH RECEPTABLE REMOVE EXISTING TREE	6 14	EA EA					-	-	- 2	-	1	1	1	-	1	- 2	-	2	-		
	DETAIL Sheet 220												-				1.6.2	_					
1.15	DETAIL Sheet 220	TREE PRUNING / TRIMMING	1	LS		1		-		1				1		T	1	T		1	1		
1.16	DETAIL Sheet 220	INSTALL TREE (1 1/2" CALIPER)	14	EA			_		1	-	2	-	2	1	3 4	-	1	2	1	1	-		
1.17	DETAIL Sheet 217		46	EA					2	6	2	6	4	6		6	2	6	2	-	-		
1.18	DETAIL Sheet 217		19	EA					2	-	4	-	2	-	4	-	4	-	3	-	-		
1.19	Spcl Proj Provisions		1	LS	7 000	-		-					-	1		-	0.000				7 000		
1.20			118,800	SF	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200	3,600	7,200	7,200	7,200	7,200		
1.21	Spcl Proj Provisions	IRRIGATION SERVICE REPAIR	1	LS										1									
1.22	DETAIL T-1	TRAFFIC CONTROL PLAN	1	LS										1									
1.23	DETAIL T-1	TRAFFIC CONTROL IMPLEMENTATION	1	LS										1									
1.24	COW 1.107 WP-1	STORM WATER POLLUTION PREVENTION PLAN (LESS THAN 1 ACRE)	1	LS										1								60%	THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY REVIEW AND ARE NOT INTENDED
1.25	COW 1.107 WP-1	STORM WATER POLLUTION PREVENTION IMPLEMENTATION (LESS THAN 1 ACRE)	1	LS	~	-		1				1	1	1	1		1	1		1	1	SUBMITTAL For preliminary	FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED.
1.26			5	EA	1	-	-	-	1	-	-	-	1		-	1	-	-	1	-	-	DESIGN REVIEW	RESPONSIBLE ENGINEER: BGE, INC.
1.27			5	EA	1	-	-	-	1	-	-	-	1	-	-	1	-	-	1	-	-		TEXAS REGISTERED ENGINEERING FIRM F-1046
		REFL PAV MRK TY 1 (Y)4"(SLD)(100 MIL)	1,600	LF	-	200	-	200	-	200	-	200	-	200	-	200	-	200	-	200	-		CLARK GAUER, P.E. TEXAS REGISTRATION NO. 80599
1.29		REFL PAV MRK TY 1 (W)8"(SLD)(100 MIL)	1,960	LF	280	-	280	-	280	-	280	-	280	-	280	-	-	-	280	-	-		May 15, 2023
		REFL PAV MRK TY 1 (W)24"(SLD)(100 MIL) REFL PAV MRK TY 1 (W) CROSSWALK	140 6	LF EA	40	-	-	-	20	-	-	-	-	-	-	-	-	-	80	-	-	REV. DESCRIPTION	BY DATE
1.31		PREFABRICATED PAV MRK (W) ARROW (100 MIL)	2	EA	-	_	-	-	-	-	-	-	-	_	-	-	-	2	-	-	-		
1.32		PREFABRICATED PAV MRK (W) XINOW (100 MIL)	2	EA	-	-	-	-		-	-	-	-	_	_	-	-	2	-	-	-		
1.34		RAIS PAV MRKR TY I-C	0	EA	-	-	-	-	-	-	-		-	-	_	-	-	-	-	-	-		
1.35		RAIS PAV MRKR TY II-B-B	9	EA	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	CITY C	F WACO
1.36		RAIS PAV MRKR TY II-A-A	120	EA		15	-	15		15	-	15	-	15	-	15		15	-	15	-		
	SD 4 7 003/4 9 A 1 6AM	RELOCATE FIRE HYDRANT ASSEMBLY	5	EA	1	-	-	-	1	-	-	-	1	17	1	-	-	-	1	-	-	AUSTIN AVENUE SID	EWALK IMPROVEMENTS
1.38	COW 4.9.A.1.8/W-12	ADJUST WATER METER & BOX (COMMERCIAL SERVICE)	30	EA	3	3	2	2	2	6	2	3	-	3	-	-	-	2	1	1	-	ESTIMATED	QUANTITIES
1.39	Spcl Proj Provisions	3/4-INCH TYPE K, CLASS 1 COPPER SERVICE TUBING TO CONNECT TO COMMERCIAL SERVICE	0	LF		-	-	-	-	-	-	-	-	1.2	-	-	-	-		-	-		
1.40		ADJUST SANITARY SEWER CLEANOUT (COMMERCIAL SERVICE)	0	EA	(-)	-	-	-	-	-	-	-	-	-	-	÷	-	-	-	-	-	BCE Tel: 469-621-3200 • v TBPE Registration No	2100, Dallas, TX 75201 ww.bgeinc.com
1.41		AUDIBLE APS RETROFIT TO EXISTING PED SIGNALS	5	EA	1	-	-	-	-	-	1	-	-		1	-	1	-	1	-	1)	, 	F-1046 PROJECT NO. Sheet
1.41	COW 4.3 / G-9	CLASS B SURFACE REPLACEMENT	0	LF	()	-	-	-	-	•	-	-	-	-	-	-	-		-	-	-	DRAWN: BGE	004
		SUBTOTAL SIDEWALK																				CHECKED: BGE MAY 202	11264-00

Special Project Provisions

1. GENERAL

- 1.1. **Project Specifications** In addition to the project's Special Project Provisions and the instructions provided in the drawings, the following specifications shall be followed as noted:
- 1.1.1. City of Waco Standard Specifications for Construction (2013) and City of Waco Standard Details (2022): The City of Waco Standard Specifications for Construction (2013) and the City of Waco Standard Details (2022) are incorporated herein by reference for all intents and purposes. If a standard specified in the City of Waco Standard Specifications and/or City of Waco Standard Details conflicts with a standard included within the project's Special Project Provisions and/or drawings, the project's Special Project Provisions and/or drawings control. If the standard is unclear, the City Engineer for the City of Waco will determine which standard controls and their determination shall be final. Copies of the City of Waco Standard Specifications for Construction, the Special Provisions to Standard Specifications for Construction and the City of Waco Standard Details may be obtained by accessing the City of Waco's website (https://www.waco-texas.com/Departments/Public-Works/Engineering/Specification-and-Details).
- 1.1.2. The following Special Provisions to the Standard Specifications for Construction (2013) are incorporated into project. These are found on the City's website:
 - SP to GP 2 2.9-001(Surveying)
 - SP to GP 7 7.8-001(Liquidated Damages)
 - SP to GP 9 9.3-001(Measurement and Payment)
 - SP to 2.3C-001(Portland Cement Treatment (Pug Base))
 - SP to 2.4-001(Lime Treatment)
 - SP to 2.5-001(Prime Coat)
 - SP to 3.3-001(Hot-Mix Asphalt Concrete Pavement)
 - SP to 4.2-002(Excavation and Backfill)
 - SP to 4.2-003(Excavation and Backfill)
 - SP to 4.7-001(Piping Materials)
 - SP to 4.7-002(Piping Materials)
 - SP to 4.7-003(Piping Materials)
 - SP to 5.1-001(Concrete and Reinforcement)
 - SP to 5.3-001(Concrete Curb & Gutter)
 - SP to 5.4-001(Concrete Sidewalks and Driveway Approaches)
- 1.1.3. Texas Department of Transportation Specifications and Special Provisions: Portions of this project require the Contractor to follow Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges adopted by the Texas Department of Transportation (November 2014). A copy of these specifications may be found on the Texas Department of Transportation's (TxDOT) website:

https://ftp.txdot.gov/pub/txdot-info/cmd/cserve/specs/2014/standard/specbook-2014.pdf.

1 of 16

Austin Avenue Side

Any TxDOT Special Provisions to Specifications and Special Specifications referenced in this project and published on their website:

(http://www.dot.state.tx.us/apps-cg/specs/toc.asp?year=4&type=SP&list=sd) followed. TxDOT Specifications and Special Provisions utilized for this project include, but are not limited to:

ITEM	TITLE
270	ROLLING
360	CONCRETE PAVEMENT
421	HYDRAULIC CEMENT CONCRETE
462	CONCRETE BOX CULVERTS AND DRAINS
466	HEADWALLS AND WINGWALLS
666	RETROREFLECTORIZED PAVEMENT MARKINGS
668	PREFABRICATED PAVEMENT MARKINGS
672	RAISED PAVEMENT MARKERS
677	ELIMINATING EXISTING PAVEMENT MARKINGS AN
678	PAVEMENT SURFACE PREPARATION FOR MARKING
3076	DENSE-GRADED HOT-MIX ASPHALT

- 1.2. General Contractor shall self-perform 30% of this project.
- 1.3. TxDOT Pre-Qualification is required for this project.
- 1.4. Construction Surveying Construction staking shall be provided by the Contractor and is subsidiary to work. Refer to Special Provision GP 2 2.9-001 (2013).
- 1.5. Protection of Facilities in Right of Way The Contractor shall be responsible for adequately protecting all facilities (mailboxes, trees, bushes, sprinkler/irrigation systems, sidewalks, handicap ramps, etc.) not designated for removal. Any facilities that sustain damage shall be restored to existing or better condition, and the cost of the restoration shall be subsidiary to the work.
- 1.6. Underground Utilities The attention of the Bidder is drawn to requirements in State law regarding location of underground utilities prior to excavation and the reporting of damage to any gas line.
- 1.7. Above Ground Utilities Contractor is responsible for coordinating with the appropriate utilities owning any poles or signs that may be impacted during the work of this contract. Bracing and protective measures per the requirements of the signs' owners shall be provided by the Contractor and shall be considered subsidiary to the work.
- 1.8. If the Contractor chooses to utilize a private lot(s) as a staging area, the Contractor shall provide the City written permission from the property owner(s). The project shall not be finalized until the Contractor provides a written letter from the property owner(s) saying that the property owner is satisfied with the said lot(s) once the Contractor demobilizes.
- 1.9. Material on hand shall not be considered for payment.

1.10. Projectmates

- 1.10.1. The City has set up an Internet-based project management system called Projectmates for managing design and construction projects. The Contractor will be required to utilize Projectmates as follows:
- 1.10.2. Contract management related processes including RFIs, submittals, field reports, meeting minutes, change orders, pay application, punch lists, and close-out documents shall be submitted, tracked, and responded to, by the Contractor, City, and Project

2 of 16

ewalk	Improvements
-------	--------------

shall be

D MARKERS
S

60%	6	TH TH	ESE F	PLANS RPOSE	ARE ISS OF PRE	SUED FOR
SUBMI			FC	R CON: WHEN I	STRUCT SSUED	INTENDED ION. IN WLL BE
For Preli Design r		S	EALEI RESI), SIGN PONSIBI	ED AND	DATED.
			(AS R	BGE EGISTEI FIRM	, INC. RED EN F—1046	GINEERING
		TEX	(AS R		ATION 1 5, 2023	P.E. ∖O. 80599
REV. D	ESCRIPTION			BY		DATE
					I	
	CITY OF	- v	VAC	0		
AUSTIN AVE	NUE SIDE	WA	LK	IMPF	ROVE	MENTS
	SPECIAL PI SHEET			ONS		
BGE	, Inc.					
Tel: 4	N Pearl St., Suite 21 169-621-3200 • ww	w.bge	inc.cor			
Tel: 4		w.bge	inc.cor		NO.	Sheet 005

Engineer through Projectmates over the Internet. Paper copies shall not be accepted unless specifically requested.

- 1.10.3. The City of Waco Projectmates software portal is: https://cityofwaco.projectmates.com
- 1.10.4. One (1) Projectmates user license will be provided to the Contractor by the City without charge. The City will recover the license upon project completion.
- 1.10.5. The Contractor shall be familiar with Projectmates prior to the pre-construction meeting. Training can be arranged by contacting software vendor Systemates Inc. Training expenses shall be borne by the Contractor. Contact Systemates, Inc., Richardson, Texas 214-217-4100 or email info@systemates.com.
- 1.10.6. See "Submittals" section for detailed instructions regarding submittals.

2. CHANGE MANAGEMENT

2.1. See Section 4 in the General Provisions of the City of Waco Standard Specifications for Construction.

3. COMMUNICATION

- 3.1. Contractor shall contact the Inspector a minimum of seventy-two (72) hours and a maximum of ninety-six (96) hours prior to beginning (or recommencing after a hiatus) work; and notify the Inspector immediately upon any change in schedule.
- 3.2. All homeowners and businesses affected by the construction shall be notified by the Contractor <u>a minimum of seventy-two (72) hours and a maximum of ninety-six (96)</u> <u>hours</u> in advance of any street/construction work. Reference Sheet 4 for flier examples. Should the work not occur on the specified day, new notification will be distributed when required. The notification shall be in a form of written posting, with the contractor's representative's local cellular telephone number and stating the time and date the work will take place. Flier shall be submitted for approval prior to distribution.

3.3. The Contractor shall coordinate all work with the following:

- 3.3.1. Kendrick Elementary / Waco Transit Contractor shall maintain communication until final acceptance. Coordination required when bus routes are affected. (Kendrick Elementary 254-752-3316). (Waco Transit 254-750-1900).
- 3.3.2. City of Waco's <u>Parks and Recreation Department</u> (Tom Balk, Program Manager Park Planning and Assets, 254-750-8471; tomb@wacotx.gov) should construction impact Kendrick Park.
- 3.3.3. City of Waco's <u>Waste Management Division</u> (John Settlemyer, Operations Manager) to avoid interruption of service on trash pickup days.

4. HOUSEKEEPING

- 4.1. Contractor shall keep all the premises (including the roadway, drive approaches, sidewalks, as well as any staging areas) free from accumulation of all waste materials (mud, sand, rock, etc.), rubbish, and other debris.
- 4.2. Equipment and material shall not be stored on the street or within the right-of-way overnight unless approval is granted by the City. If approved, the Contractor shall clearly mark by warning lights and barricades.
- 4.3. At the completion of the Work, Contractor shall remove all waste materials, rubbish and debris from and about the premises as well as all tools, appliances, construction equipment and machinery and surplus materials. Contractor shall leave the site clean and ready for the

3 of 16

Owner prior to initiating project completion process (requesting punch list, of the project (prior to project acceptance), Contractor shall cleanup the right edge of approximate right-of-way on each side of the street (including portio streets on which work was performed). Contractor shall leave the entire right Activities shall include, but not be limited to the following:

- Remove all trash, sediment and debris
- Remove all trees, tree limbs, and brush piles
- Mow grass/vegetation to 3-inch height
- Edge grass at back of curb, pavement, sidewalk, and curb ra
- Remove vegetation from curb and gutter, sidewalk, and curb
- Remove BMP's (inlet protection,

5. ENVIRONMENTAL AND SAFETY PLANS

5.1. **Traffic Control Plans (TCP)** – Refer to General Provision 3.6A and General 5.1.1. TCP's shall be compiled by licensed or certified personnel (Texas Licen Engineer; IMSA Certified Work Zone – Work Zone Traffic Control Safety Certification A&M Engineering Extension Services, American Traffic Safety Service Association Control Design Specialist (TCDS); or Work Zone Traffic Control Certification Documentation of current certification shall be submitted with all TCPs. The TCP's AutoCAD and provided to the City in PDF format.

5.1.2. TCPs shall be provided during the submittal phase.

5.1.3. Each TCP must be developed to address the specific conditions of the planned zone location. Each Phase will require a separate TCP

5.1.4. Functional Classification:

5.1.4.1. Collector: Bagby Avenue, Ricter Avenue, and Irving Lee 5.1.4.2. Local: all other side streets

5.1.5. Refer to Sheet 301: Separate Bid Items established for Black Phase, Orange Pl Green Phase and Yellow Phase.

5.1.6. Work shall be limited to working hours between 7:00 a.m. and 6:00 p.m.

5.1.7. Contractor shall submit phasing plans including request(s) for night work for construction. The contractor will pay a fee for any work outside normal working h Schedule as approved by City Council in effect at time of work.

5.1.8. Temporary pavement markings are subsidiary to the various TCP Implement Temporary pavement markings shall meet TMUTCD requirements and may be waterb II).

5.1.9. Any Traffic Control Plan that impacts South Valley Mills will require T Contractor is required to submit proposed plan to the TxDOT Waco Area Office (25 obtain approval prior to proceeding with work.

5.1.10. Bid Item 4.11 Portable Changeable Message Sign (PCMS) – Contractor s portable changeable message signs, which shall remain on site for the duration of the shall be placed at locations that will inform the travelling public during the cu construction phasing progresses, sign wording and locations to be agreed upon be Contractor. The required changes shall be made at least seven (7) days before the P

Austin Avenue Side

walk Improvements		
1.		
etc.). At the end		
nt of way from the		
ons of intersecting		
ight of way clean.		
amps		
b ramps		
ual Mataa		
al Notes.		
nsed Professional ion; TEEX, Texas		
(ATSSA) Traffic ation, HWS002).		
shall be drawn in		
shan oo arawn m		
construction work		
hase, Blue Phase,		
	60%	THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY
approval prior to	SUBMITTAL	REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION.
approval prior to hours per the Fee		WHEN ISSUED IN FINAL FORM THEY WILL BE
nours per une ree	FOR PRELIMINARY DESIGN REVIEW	SEALED, SIGNED AND DATED.
		RESPONSIBLE ENGINEER: BGE, INC.
ntation bid items.		TEXAS REGISTERED ENGINEERING FIRM F-1046 CLARK GAUER, P.E.
borne paint (Type		TEXAS REGISTRATION NO. 80599 May 15, 2023
	REV. DESCRIPTION	BY DATE
TxDOT approval.		
54-772-2890) and		
1 11 1 1		
shall provide two		· · ·
he project. Signs	CITY O	- WACO
irrent Phase. As		
between City and Phase change (any	AUSTIN AVENUE SIDE	WALK IMPROVEMENTS
hase change (any		
		ROVISIONS
	SHEET	2 OF 8
	BGE, Inc.	
	700 N Pearl St., Suite 2 Tel: 469-621-3200 • ww	w.bgeinc.com
	TBPE Registration No. F	
	DESIGNED: BGE DATE DRAWN: BGE	PROJECT NO. Sheet
	CHECKED: BGE MAY 2023	11264-00

major traffic pattern shift.) Should Contractor request (and receive City approval) to pursue work in multiple Phases concurrently, additional PCMS's may be required. The associated cost of additional PCMS's will be considered subsidiary to the various bid items, and not be paid for additionally.

- 5.2. Trench Safety Plan Refer to General Provision 3.6B and General Notes.
- 5.3. Confined Space Plan Not Used.
- 5.4. Stormwater Pollution Prevention Plan Refer to General Provision 3.6D and General Notes.
 - 5.4.1. Disturbance area "over 5 acres" for Bid Items 4.12 and 4.13.

5.4.2. Use Best Management Practices (BMPs) to provide erosion control measures for the "Stormwater Pollution Prevention Plan (Over 5 Acres)" and "Stormwater Pollution Prevention Plan Implementation (Over 5 Acres)" bid items. Additional erosion control measures beyond what is shown in the drawings may be required and shall be subsidiary to the Stormwater Pollution Prevention Plan (SWPPP) Implementation bid item.

6. SCHEDULE

- 6.1. The construction schedule for this project is set at <u>XXX working days</u>, beginning on the Notice to Proceed date and ending on the date of final acceptance. The Notice to Proceed will be issued after completion of the pre-construction meeting.
- 6.2. City of Waco staff will schedule a pre-construction meeting.
- 6.3. A Working Day is defined as any day of the week, not including Saturdays, Sundays, or Legal Holidays during which conditions under the CONTRACTOR's control will permit work for a continuous period of not less than seven (7) hours between 7:00 a.m. and 6:00 p.m. Upon agreement with the Owner's Representative, work on Saturdays, Sundays and/or Legal Holidays may be allowed and will be considered a Working Day.
- 6.4. The project schedule includes time to:
 - 6.4.1. Develop, submit, review, approve and implement the SWP3/erosion control plan;
 - 6.4.2. Develop, submit, review, and approve safety and material submittals;
 - 6.4.3. Attend all meetings including but not limited to:
 - 6.4.3.1. Preconstruction
 - 6.4.3.2. Construction Progress
 - 6.4.3.3. Pre-paving
 - 6.4.4. Complete and commission the Work;
 - 6.4.5. Complete the project closure activities and paperwork.
- 6.5. The Contractor shall maintain a work force adequate to accomplish the work within the contract time. The Contractor agrees to employ only orderly, competent, and knowledgeable workers, skillful in performance of the type of work required under this contract.
- 6.6. Contractor's representative (*City of Waco Standard Specifications for Construction, General Provisions, Section 8.7, page 58*) "Before starting work, the Contractor shall designate in writing a representative who shall have complete authority to act for it... The representative or alternate shall be present at the Work site whenever work is in progress"
- 6.7. The Contractor shall provide an approved baseline construction schedule within two weeks following the notice to proceed date. The schedule shall be in a Gantt, CPM, or PERT format suitable to depict the project work plan.
- 6.8. The Contractor shall supply the Project Engineer with a tentative schedule at least ten (10) days in advance of placement, along with weekly schedule.
- 6.9. The Contractor shall provide monthly updated schedules or as requested by the City of Waco. 5 of 16

6.10. Work in conflict with special events or ongoing utility work may be susper redirected when determined by the City at no additional expense to the City.

7. PROJECT COMPLETION

- 7.1. It is expected that the Contractor shall complete the "final" phase of the pr than ten (10) working days after completion of pay items, within the c "Schedule" section of these provisions.
- 7.2. When Contractor completes all work or pay items, the Contractor shall request for a punch list. At the time this is submitted, contract days will accruing.
- 7.3. The Inspector will coordinate a "walk of the project" with the Contractor representatives and soon after will issue the punch list. At the time of issue days will resume accruing.
- 7.4. When Contractor deems all punch list items are complete, the Contractor written request for a final inspection.
- 7.5. When the Inspector finds all items complete to their satisfaction the Inspect letter of final acceptance. At this time, contract time will stop. The letter Contractor submit a one-year guarantee and an all bills paid affidavit, both no 7.5.1. The final acceptance letter will include an accurate description of
 - accepted. 7.5.2. If private property is used the Contractor shall provide a copy of
 - from the property owner accepting the condition of their property.
- 7.5.3. Once the guarantee and affidavit are received the project will be deen
- 7.6. Warranty (City of Waco Standard Specifications for Construction, Ge Section 7.7, page 51). The Inspector will schedule a warranty walk appre (11) months after project completion. If any issues arise during the war Inspector will send written request to the Contractor to remedy the issue(s).

8. SUBMITTALS

- 8.1. All submittals shall be complete shop drawings and design data, providing necessary to document compliance with all specifications. See section 2.6 Provisions of the City of Waco Standard Specifications for Construction. submit all submittals through Projectmates.
- 8.2. Within 10 working days of the Notice to Proceed, the Contractor shall provide of submittals for the project. The list shall include all materials and product project.
- 8.3. **Projectmates Instructions**: When uploading submittals to Projectmates, the do so using the following format:
 - <u>Submit each item separately</u> (i.e. do not submit concrete mix and HMAO one submittal)
 - **Description**: Include a brief description of the submittal contents (i.e., Su mix design and test reports for SS 3076 HMAC Type D.)
 - Upon clicking Add Submittal Items:
 - Under Category:
 - Do not select anything for Division or Section
 - For Type Number, type 1 for the first submittal, 2 for the second

6 of 16

Austin Avenue Sidev

walk Improvements									
nded, delayed, or									
roject in no more constraints of the									
submit a written temporarily cease									
or and other City									
ance, the contract									
or shall submit a									
tor shall submit a									
r will request the otarized.									
f the Work being									
a written release									
ned final.									
eneral Provisions, coximately eleven									
rranty period, the									
g the information C in the General	60%	THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY							
Contractor shall	SUBMITTAL	REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION. WHEN ISSUED IN							
de a complete list	FOR PRELIMINARY	FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED.							
ts required on the	DESIGN REVIEW	RESPONSIBLE ENGINEER: BGE, INC. TEXAS REGISTERED ENGINEERING							
e Contractor shall		FIRM F-1046 CLARK GAUER, P.E. TEXAS REGISTRATION NO. 80599							
	REV. DESCRIPTION	May 15, 2023							
C mix together in									
Submittal includes									
	CITY OF	F WACO							
nd submittal, etc.	AUSTIN AVENUE SIDE	WALK IMPROVEMENTS							
na suomnal, tu.									
	SPECIAL P	ROVISIONS							
	SHEET	SHEET 3 OF 8							
	BGE BGE St., Suite 2" Tel: 469-621-3200 • ww	w.bgeinc.com							
	TBPE Registration No. F	PROJECT NO. Sheet							
	DRAWN: BGE CHECKED: BGE MAY 2023	11264-00 007							
		1							

- For *Description Below*, include the title of the submittal provided in the approved list of submittals (i.e., SS 3076 HMAC Type D).
- Under Submittal Type, select the option that best matches the submittal.
- Save and close the Add Submittal Items window.
- Leave Reference # blank, fill in remaining sections as needed, and click Save & Finalize.
- **Resubmittals**: If review of the initial submittal requires a resubmittal, Contractor shall click on the original submittal in Projectmates, click on *Resubmit* at the bottom, and follow the same steps as above.
- Failure to follow the instructions above may result in rejection of the submittal.

9. STREET (ROADWAY)

9.1. Miscellaneous

9.1.1. No asphalt treatments will be applied just prior to a rain event that could result in chemical asphalt or any asphalt by-product pollutant being washed into a stream or stormwater collection system.

9.1.2. Contractor shall arrange construction operations to minimize the hauling of materials through local (residential) streets.

9.1.3. Any tracking of asphalt material will be the responsibility of the Contractor to mitigate at no additional expense to the City.

9.1.4. Any signs removed shall be replaced the same day.

9.2. Preparing Right of Way (Bid Item 2.01)

9.2.1. Quantities provided within the Roadway Plan and Profile and Intersection Layout tables are for Contractors Information Only.

9.2.2. Remove sidewalk, remove asphalt pavement, remove concrete pavement, remove curb and gutter, remove ramp, remove storm line, remove signs, remove driveways, and remove fire hydrants are all included as part of the Lump Sum price for bid item 2.01. All materials shall be properly disposed of.

9.2.3. Clear the right of way of trees, shrubs, and other vegetative growth as needed for equipment clearance, construction of street components, and any other work required for this Project, and in areas specifically identified on the drawings. Reference Tree Removal and Pruning detail (Sheet 758) for additional requirements. Remove and dispose of all vegetation within five (5) calendar days after cutting. Material will be disposed of in accordance with federal, state, and local regulations. Do not cut outside the approximate right-of-way lines. Stump removal is subsidiary. This work and all associated materials will not be paid for directly but will be subsidiary to bid item – Preparing Right of Way.

9.3. Street Excavation / Earthen Fill: Material from the existing roadway shall be excavated and hauled off. Excavate to the depth and width necessary to construct pavement section per the cross sections.

9.4. Curb and Gutter Replacement (Bid Item 2.32)

9.4.1. The unit price bid will be full compensation for the removal of existing items, compacting subgrade, Portland cement treated base, curb and gutter, CLSM, topsoil, sodding (and watering/required care until project acceptance), and 2" HMAC (as needed if Contractor

timing does not allow to be overlaid concurrently with the milling and o lanes), to the limits shown on Detail 3 Sheet 755.

9.4.2. Any irrigation heads/lines damaged shall be replaced at the Contractor

9.5. Cement Treated Base (CTB) (Pug Base):

9.5.1. Place, compact and grade CTB as shown on Traffic Control Typical Se

- 9.5.1.1. If blue tops are used (preferred), set at cross section stations.
- 9.5.1.2. Grading will only be allowed on the day the CTB is trimming/skimming/burning off imperfections will be permitted th the installation, but any damage to the base shall be repaired to approval at the Contractor's expense.
- 9.5.1.3. Once the base is shaped across the travel lanes, verify grades to th Inspector.

9.5.2. **Initial base wetting**: Contractor shall begin wetting the base in shaping, and shall keep it moist until microcracking is performed and prime of 9.5.3. **Microcracking**

- 9.5.3.1. After the CTB is placed, not sooner than twenty-four (24) hours n two (72) hours, contractor shall roll the finished course with a vinduce microcracking. Notify the Project Engineer 24 ho microcracking begins.
- 9.5.3.2. The vibratory roller shall be performed in accordance with TX "Rolling," with a static weight equal to or more than 12 tons a drum must be not less than 20 in. wide. The roller must travel at a vibrating at maximum amplitude, and make 2 to 4 passes with exclusive of the outside 1 ft. of the surface crown, unless otherwis Project Engineer. Additional passes may be required to achieve t pattern as directed. Rolling shall be subsidiary to the Portland Co (Pug Base) bid items.

9.5.4. Continuation of wetting

9.5.4.1. After the cement treated course final grading is complete, the protected against rapid drying and maintained in a thorough a moist condition by sprinkling daily, including weekends, until: (before the course is covered up, but in no case less than 7 days microcracking process is completed and the prime coat is applied.

9.6. Prime Coat (Bid item 2.11)

9.6.1. Immediately prior to application of the prime coat, the new road base s that voids in the surface are filled with water, but no free water remains surface. Asphalt shall be applied as a solid and uniform coat over the entire a

9.6.2. Before the prime coat is applied the surface shall be cleaned the satisfaction of the Engineer or Inspector.

9.6.3. Prime Oil on Pug Base shall be AE-P or approved equal applied at GAL/SY of residual asphalt.

valk Improvements									
overlaying of the									
's expense.									
ections.									
placed. Light he day following to the Engineer's									
e approval of the									
mmediately after coat is placed.									
nor after seventy- ribratory roller to burs before the									
KDOT Item 270, and the vibratory a speed of 2 mph, a 100% coverage se directed by the the desired crack ement Treatment									
surface shall be and continuously (a) for the period s or (b) until the	IMINARY NTENDED XN. LL BE DATED. EER:								
shall be wetted so standing on the TEXAS REGISTERED ENC texas Registration NC May 15, 2023	Е.								
	ATE								
horoughly to the									
t the rate of 0.16									
CITY OF WACO									
AUSTIN AVENUE SIDEWALK IMPROVEN	IENTS								
SPECIAL PROVISIONS SHEET 4 OF 8									
BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgeinc.com TBPE Registration No, F-1046									
DESIGNED: BGE DATE PROJECT NO.	Sheet								
DRAWN: BGE MAY 2023 11264-00	008								

9.7. Tack Coat (Subsidiary to HMAC bid items)

9.7.1. Two different tack conditions apply:

- 9.7.1.1. <u>Prior to first Type B HMAC course</u> (if needed; determined by Engineer): SS-1 residual rate is estimated at 0.06 GAL/SY (application rate shall be approved by City prior to application).
- 9.7.1.2. <u>Between the Type B and Type D HMAC surface courses</u>: product type shall be used at the rate of 0.08 to 0.10 GAL/SY (application rate shall be approved by City prior to application). The following product manufactures are acceptable for use, without exception:
 - UltraTack Trackless Tack (NTSS-1HM) by Blacklidge
 - NTQS-1HH by Asphalt Products Unlimited
 - CBC-1H by Ergon Asphalt and Emulsions
 - CATT-TR Emulsified Asphalt by Wright Asphalt Products Co
 - BC-1HT by Ergon Asphalt and Emulsions
- 9.7.2 Before the tack is applied the surface shall be thoroughly cleaned. Contractor shall also apply a uniform coat to all contact surfaces including curbs and gutters, castings, structures, and joints to provide a closely bonded, watertight joint.
- 9.7.3 Paving operations may be suspended until satisfactory tack has been applied.

9.8. Driveways

9.8.1. Driveway reconstruction consists of the following: excavate and haul off existing driveway materials, final grading, form, and pour new approaches and aprons.

9.8.2. Contractor shall coordinate with property owners when working on or near driveways to ensure that access is maintained.

9.8.3. Aprons shall typically extend to Approximate R.O.W. line

9.8.4. Residential driveways are paid by the each (EA). Bid items 2.16 and 2.18. Table on Sheet 9 provides estimated quantities "for Contractors Information Only".

9.8.5. Commercial driveways are paid by the square foot (SF). Bid items 2.17 and 2.19.

9.9. Curb, Gutter, Ramp and Sidewalk Work

9.9.1. All curb and gutter and other tie-ins shall meet existing grades as shown in the drawings and described in all details and notes.

9.9.2. Contractor shall coordinate with property owners when working on or near lead sidewalks to ensure that adequate access is maintained.

9.9.3. Bid Item 2.26 Type 7 Ramp – The unit price bid will be full compensation for materials, tools, labor, and incidentals to construct the ramps, curbs, upper and lower landings, detectable warning surface, and flares as shown on the drawings.

9.10. Side Streets (Intersection Layouts)

9.10.1. In locations where the lip of gutter is displaced along the street and matching these points proves difficult, the Contractor shall maintain a "smooth ride" and attempt to follow the lip of gutter while still maintaining a 2" minimum depth of asphalt along the lip.

9.10.2. At various locations, hot mix that currently exists in the gutter shall be removed to the gutter level.

9 of 16

9.11. Concrete Pavement

9.11.1. HES Concrete shall meet the requirements of TxDOT Items 360 Co and 421 Hydraulic Cement Concrete. Submit Concrete Mix Design from a b currently certified by the national Ready Mixed Concrete Association. The shall be a licensed professional engineer registered in the State of Tex approved Mix Designer. Concrete mix design shall be no older than 12 mon date (unless approval by City) from the Waco TxDOT District and shall its size, mix ingredients and proportions, including admixtures.

9.12. Hot-Mix Asphalt Concrete (HMAC)

9.12.1. Final Surface Course (Type D) joints shall be limited to the cent Avenue or to 12' East or 12' West of the centerline.

9.12.2. TxDOT SS 3076 Dense-Graded Hot-Mix Asphalt Type D and Type bonus shall be given. Both the Contractor and Inspector shall calculate the y at end of each day's) production and placement to ensure intended volume of placed.

9.12.3. Bid items 2.09 and 2.10 shall be paid by the square yard (SY) of the

9.12.4. Contractor shall use a laydown machine for placement of the second the final Type D lift.

9.12.5. Contractor may pave any time (during established working hours) the standing water on the roadway surface and the temperature conditions meet set for in TxDOT 3076. Place mixtures only when the Inspector determines surface weather and moisture conditions are suitable.

9.12.6. The roadway surface shall be swept clean and remove all dirt and de in the curb and gutter sections prior to placement operations starting.

9.12.7. Contractor shall provide results from the mix prior to construction.

9.12.8. A City of Waco representative shall inspect the stockpile prior to pay

9.12.9. HMAC Pavement Thickness Testing

- 9.12.9.1. HMAC pavement placed shall be subject to the following test which supersede those provided in the City of Waco Standard S Construction.
- 9.12.9.2. The number and location of pavement thickness tests shall be at the City but will typically be not more than every 1,000 LF (in each
- 9.12.9.3. Pavement Thickness, Deficiencies, and Payment
 - 9.12.9.3.1. For The Type D course, the pavement shall be removed the Contractor's expense if the tested depth of the new than 1.5 inches.
 - 9.12.9.3.2. For specified total thicknesses greater than 1.5 inches in project, the following table shall be used to determ deficiency in thickness for the Type D HMAC:

walk Improvements				
oncrete Pavement				
batch plant that is he Mix Designer				
kas or a TxDOT				
onths from current dentify aggregate				
starling of Dechy				
nterline of Bagby				
e B. No QC/QA				
yield during (and of HMAC is being				
THAT IS DEILIG				
depth specified.				
d Type B lift and				
e roadway has no				
ines the roadway				
ebris accumulated				
corrs accumulated				
ving operations.				
ing raggirsmants	60%	THE	ESE PLANS ARE IS E PURPOSE OF PR	SUED FOR
ing requirements, Specifications for	SUBMITTAL	REV	1EW AND ARE NO FOR CONSTRUC	F INTENDED TION.
<u>^</u>	FOR PRELIMINARY	F	WHEN ISSUED TINAL FORM THEY EALED, SIGNED AN	WILL BE
t the discretion of children the discretion.	DESIGN REVIEW		RESPONSIBLE ENG BGE, INC.	
······································			AS REGISTERED EI FIRM F-104 CLARK GAUER,	6 P.E.
d and replaced at			AS REGISTRATION May 15, 2023	NO. 80599 3
pavement is less	REV. DESCRIPTION	N	BY	DATE
n all areas of this				
nine payment for				
	CITY	OF W	ACO	
	AUSTIN AVENUE SI	DEWAI	_k improve	EMENTS
	SPECIAL SHEI	. PROV ET 5 O		
	BGE, Inc. 700 N Pearl St., Sui	ite 2100 Da	l l as, TX 75201	
	Tel: 469-621-3200 • TBPE Registration	 www.bgei 		
	DESIGNED: BGE DATE DRAWN: BGE		PROJECT NO.	Sheet 009
	CHECKED: BGE MAY 20	023	11264-00	

Deficiency in Thickness Determined by Cores	Proportional Part of Contract Price
(inches)	Allowed
0.0-0.20	80 percent
0.20-0.30	70 percent
0.30-0.50	60 percent

If the pavement thickness deficiency is greater than 0.5 inches, the Contractor will be required to remove and replace the entire HMAC pavement thickness the full width of the street and 100 feet longitudinally in each direction of the deficient sample at their own expense. With the City's approval, the Contractor may conduct, at their expense, subsequent tests to isolate the deficiency to less than 100 feet longitudinally. These additional tests shall be scheduled with the Inspector and completed by a City-approved laboratory.

9.12.9.3.3. No additional payment over the contract unit price shall be made for any pavement thickness exceeding that required by the plans.

9.13. Chain Link Fence

9.13.1 Bid Item 2.04 3-Foot (Height) Chain Link Fence: per details on Sheet 762. The unit price is full compensation for removal of existing fence and the furnishing and installing the new fencing, except gates; any cleaning, grading, backfilling; removing and disposing of surplus material; and equipment, labor, tools, and incidentals.

9.14. Mailboxes

9.14.1. Mailboxes will be kept in a position accessible to the carrier's vehicle along the travel way except when performance of grading operations necessitates the moving of mailboxes. When grading operations necessitate the moving of mailboxes, the Contractor will place them at a nearby location which will be accessible to the carrier's vehicle. Mailboxes will be returned to a position accessible to the carrier's vehicle along the travel way when grading operations are not in progress. This work will be paid as part of bid items 2.27, 2.28, 2.29, and 2.30. Additional locations will not be paid for directly but will be subsidiary to the various bid items.

9.14.2. Contractor shall obtain property owners approval or proposed stone/brick, prior to installation of stone/brick mailbox.

9.15. Site Restoration

9.15.1. All vegetated areas disturbed by the work of this contract shall be restored to preproject or better condition. Payment for sod, topsoil, vegetative watering, fertilizer, and all other work required will be considered subsidiary to bid items 4.14, 4.15, 4.16 or 4.17 unless otherwise provided. Contractor is responsible for all required care until project acceptance.

9.15.2. **Topsoil** –Topsoil within the project limits shall not be stored in windrows on private properties. Contractor may stockpile salvaged topsoil at approved staging areas. Additional Topsoil may come from approved sources outside of the ROW (from locations within six (6) inches of the natural ground surface to ensure it contains nutrients and is not sterile soil). Off ROW topsoil will contain a minimum organic content of 3.5% percent, based on soil test results provided by the Contractor and approved by the City prior to installation.

11 of 16

9.15.3. **Sodding** – Contractor shall adhere to Section 1.7 of Standard S endeavor to match existing type of grass. Project Superintendent and Inspec quantity of St. Augustine and Bermuda to be delivered for each Phase of the shall adhere to Section 1.9 of Standard Specifications. Coverage at time of be a minimum of 80% of living or growing grass with no large bare areas.

9.12.4 Vegetative watering – if using a City fire hydrant as the water set shall pay the deposit fee, meter set fee, minimum monthly demand charge, from monthly charge, and current water rates to the City. Contact the City' Department for a current fee schedule. Watering shall adhere to Section Specification.

10. UTILITY WORK (WATER AND SANITARY SEWER)

10.1. Miscellaneous

- 10.1.1. **Utility Identification** The Contractor shall place the appropriate util tape on top of the embedment. In the event the color of the piping does the AWWA standards, the Contractor shall also spirally wrap the pipe be the appropriate identification tape, 1' on center. These costs shall be surfoot of pipeline being installed.
- 10.1.2. Embedment If the bedding under existing storm drain, water, or sam is impacted during this construction, such bedding shall be restored in current City of Waco standard details. Restoration of such bedding is work.
- 10.1.3. **Tracer Wire** is required on all non-metallic water line per General N Details W-1 and W-34. This shall be paid for subsidiary to the piping item(s) in the project.
- 10.1.4. **Polyethylene Wrap** is required on all ductile iron pipes and fittings. for subsidiary to the piping and trenching bid item(s) in the project.
- 10.1.5. Notice of Utility Service Interruption All property owners and busin affected by the interruption of water service shall be notified by minimum of 48 hours and a maximum of 96 hours in advance of the interruption on a city provided template. The Contractor shall use a "No Wastewater Service Interruption" flier, see Page 5. Should the work specified day, new notifications will be distributed as directed by the representative.
- 10.1.6. Utility Services: Sewer Sewer pipe where service connection m while the alignment is still under construction will not be able to be Manholes along this alignment will be subject to pressure testing.
- 10.1.7. **Installation of New Water Services** Remove existing service to m service in accordance with applicable detail(s). Connect new service to Provide necessary surface replacement and curb and gutter removal which will be incidental to the cost of the water service.

walk Improvements				
1				
·····				
Specifications and ctor shall agree up				
e work. Fertilizer				
f acceptance must				
Contractor				
source, Contractor fire hydrant meter				
's Water Utilities				
n 1.7 of Standard				
ility identification				
s not comply with				
eing installed with				
ubsidiary to linear				
nitary sewer pipes				
accordance with				
subsidiary to the				
T (
Notes on Standard and trenching bid				
and denoming ord				
This shall be paid				
inesses potentially	60%	6	THESE PLANS ARE IS THE PURPOSE OF PRI	
the Contractor a e planned service	SUBMI		REVIEW AND ARE NOT FOR CONSTRUCT	INTENDED TION.
otice of Water and	FOR PRELI		WHEN ISSUED FINAL FORM THEY SEALED, SIGNED AND	WILL BE
not occur on the	DESIGN R		RESPONSIBLE ENG	
he City's project			BGE, INC. TEXAS REGISTERED EN FIRM F-1046	GINEERING
nust be re-tapped			CLARK GAUER, TEXAS REGISTRATION	P.E. NO. 80599
e pressure tested.	REV. D	ESCRIPTION	May 15, 2023 BY	DATE
neter. Install new				
to existing meter. and replacement,	┣───			
		CITY OF	WACO	
	AUSTIN AVE	NUE SIDE	WALK IMPROVE	MENTS
		SPECIAL PR		
		SHEET	UUFÖ	
	BGE	Inc		
	BCE 700 N Tel: 4	l Pearl St., Suite 21 69-621-3200 ● ww		
		Registration No. F	PROJECT NO.	Sheet
	DESIGNED: BGE DRAWN: BGE	MAY 2023	11264-00	010
	CHECKED: BGE	2020		

- 10.1.8. **Plumbing on Private Property** any plumbing services or water services identified that are located on private property will require a no-fee plumbing permit for each address.
- 10.1.9. Bid Item 3.34: 3/4-Inch Type K, Class 1 Copper Service Tubing to Connect to Residential Service: unit price bid shall include taps, pipe, restoration of vegetation/grass, repair of any damaged irrigation heads/lines, and any additional items needed to install the line in accordance with the 2009 International Plumbing Code by a licensed plumber.
- 10.1.10. Bid Item 3.36: 4-inch Sch. 40 P.V.C. Sanitary Sewer Residential Yard Line From City C.O. to Residents Drain: unit price bid shall include taps, pipe, restoration of vegetation/grass, repair of any damaged irrigation heads/lines, and any additional items needed to install the line in accordance with the 2009 International Plumbing Code by a licensed plumber.
- 10.1.11. Additional Fittings More bends have been included in the bid proposal than are shown on the drawings. If unexpected conflicts are discovered during construction, the Inspector may direct the Contractor to use some of these additional bends. Bends in addition to those shown on the plans may only be used with specific permission from the Inspector. No adjustment to the unit prices in the contract will be made because of reduced quantities if the additional fittings are not used.
- 10.1.12. All valve covers removed during water line construction shall be salvaged. Contractor to coordinate with the Inspector for arrangements to return them to the City of Waco Utilities Department on Colcord Avenue.
- 10.1.13. Pipe embedment and trench backfill may be either Type A Backfill material or Flowable Backfill Material.
- 10.1.14. Contractor shall open the pavement to traffic each night.

10.2. Water Work

- 10.2.1. Valve Boxes: A diamond in accordance with Details W-35 and W-36 shall be included as part of the valve bid items 3.13, 3.14 and 3.15.
- 10.2.2. Contractor may shut down water service during the day within the following constraints:
 - a. Temporary potable water service (utilizing NSF-61 piping and fitting) shall be provided to all commercial customers
 - b. Shutdown of service to residential customers shall be limited to 8 hours each day
 - c. Shutdown period shall be after 8:00 a.m. and before 4:00 p.m.
 - d. Customers and businesses that require potable water for medical reasons shall not have their service interrupted without prior written approval and scheduling
 - e. Notify all property owners per Section 10.1.5.

13 of 16

10.3. Sanitary Sewer Work

- 10.3.1. Manhole Protection Coat the inside and outside surfaces of a manholes per COW Standard Specifications Section 4.8 and Detail 3 coating the new manholes for this project, the manholes may be car containing ConShield (or a pre-approved equal) added at a rate of 1 gall of concrete replacing 1 gallon of water. If ConShield is chosen to be a Tint concrete colorant, or an approved equal, shall be added at the recommended dosage. Additionally, Con^{mic}Shield Joint Set, or an approve used. A letter from ConShield must be submitted confirming manufacturer's recommendations. In the event the contractor elect Conshield design for manholes, the Conshield additive and tint must concrete "donuts".
 - 10.3.1.1.1. All materials, manpower, machinery, etc. related to remo and installation of manholes shall be on site before any manho
 - 10.3.1.1.2. Once work has begun, the Contractor shall work experimentation until the manhole and sewer can be placed back in
- 10.3.2. Manholes: A diamond in accordance with Details S-21 and S-22 sh part of manhole bid items 3.01, 3.02, 3.04, and 3.05.

10.3.3. Sanitary Sewer Temporary By-Pass Pumping (Bid Item 3.42)

- 10.3.4. The By-Pass Pumping bid item is to be used for payment or construction and shall cover all planning, design, seque equipment, and manpower needed to maintain temporary sev customers.
- 10.3.5. A "By-Pass Pumping Plan" shall be submitted (at least 14 cale initiating construction) for approval by the City. This pumpin how the flows will be controlled during construction. Provid wastewater around the segment to be replaced. Create the by-I the line at an existing upstream manhole location and pumpin downstream manhole location or adjacent system. Use a pump of adequate capacity to handle the flow.
- 10.3.6. Bypass flow information: for 15-inch line (Howard to Sunnyd average dry day flow of 170 GPM flows into the manhole a During rainfall events, this could increase to 1,100 1,800 weather flow). Contractor shall have bypass contingency mea account for these flows.

10.4. STEEL PLATES

- 10.4.1. Contractor will be allowed to use steel plates and pins, secured to the to resume within 24 hours. In the event work will not be resumed wi Contractor shall backfill the trench.
- 10.4.2. Contractor shall comply with Section 23-31 of the City of Waco Code

14 of 16

	_							
walk Improvements								
F								
11 .								
all sanitary sewer								
S-11. In lieu of								
ast with concrete								
lon per cubic yard								
utilized, then Con								
ne manufacturer's								
ved equal, shall be								
compliance with								
cts to utilize the								
t be used for the								
t of used for the								
val, abandonment								
ole work begins.								
editiously without								
n service.								
all be included as								
all sequences of								
encing, materials,								
wer service to all								
ndar days prior to								
ng plan will detail								
e for the flow of								
pass by bypassing								
ig the flow into a		50%	6	I I HE	: PUF	READER	OF PRE	SUED FOR
and by-pass lines	SUB	ЛT	ГТАL	REV	FO	R CONS	STRUCT	
				F	INAL	WHEN IS FORM	THEY \	MILL BE
11.				SE	EALED	, SIGNE	ED AND	DATED.
lale) an estimated	DESK	Jin R	EVIEW		RESF	PONSIBL BGE	E ENG	INEER:
at Station 22+42.				TEX	AS R	EGISTER		GINEERING
GPM (peak wet				TEV		.ARK G	AUER,	, P.E. NO. 80599
asures in place to	L						5, 2023	
	REV.	D	ESCRIPTION			ΒY		DATE
e street, if work is								
thin 24 hours, the						1		
			CITY OF	- w	AC	0		
of Ordinances						-		
of Ordinances.		A \ /=		\ <u>\</u> / \	17			
	AUSTIN /	AVE	NUE SIDE	WAl	_K	IMPF	KUVE	MENTS
					1010	MO		
			SPECIAL PI SHEET			NNQ		
			SHEET	, 0	r 0			
		BGE						
	BGE	Tel: 4	Pearl St., Suite 21 69-621-3200 • ww	w.bgei				
			Registration No. F					
	DESIGNED: E		DATE		PR	OJECT	NO.	Sheet
		BGE BGE	MAY 2023		1	1264-	00	011
	CHECKED: E	JOE	i i					1

- 10.4.3. When the Contractor elects to use a steel plate a cold asphalt mix ramp will be provided to feather around the plate.
- 10.4.4. The thickness of plates for trench widths exceeding 72 inches shall be established in an analysis completed by a Licensed Professional Engineer Registered in the State of Texas.
- 10.4.5. Steel plates must extend a minimum of 24 inches beyond the edges of excavation.
- 10.4.6. In the event of improper installation of the steel plates that presents a nuisance or a public safety problem, the Contractor shall respond to all excavation restoration requests by the City immediately upon notification. Non-responses will result in the required restoration work being done by the City, with all expenses to be paid by the Contractor.
- 10.4.7. It is the responsibility of the Contractor to perform and document daily inspections of all active plate(s) or unattended plate(s) location(s), and where necessary take appropriate measures to protect the public safety until work is completed. This documentation shall be available to the EI upon request. No un-plated excavation shall be left unattended overnight.
- 10.4.8. All steel plates shall be properly marked with the Contractor's name and Contractor's after-hours contact phone number in the event the plates need to be secured.

11. PAVEMENT MARKINGS AND SIGNAGE

11.1. Markings shall meet the requirements of TxDOT Item 666, "Retroreflectorized Pavement Markings", Item 668, "Prefabricated Pavement Markings", and Item 672, "Raised Pavement Markers." This shall include any non-overlaid concrete sections within the street limits.

11.1.1. Contractor shall complete the retroreflectivity testing in accordance with TxDOT Item 666 and shall provide written report with test results confirming conformance the required retroreflectivity values.

11.1.2. Surface preparation shall be subsidiary to the associated pavement marking bid items.

11.1.3. Application of Pavement Sealers shall be subsidiary to the associated pavement marking bid items.

- 11.2. As practical with new construction, leave the existing sign assemblies in place until the proposed sign assemblies are installed, and then remove the old sign assemblies.
- 11.3. Bid Item 7.02: Remove Existing Signpost: shall be paid for by the each. Existing signpost anchors shall be salvaged and delivered by the Contractor to the City's storage facility on Monkey Run Rd. Coordinate drop-off with City of Waco Operation Division, 254-749-8481.
- 11.4. Bid Item 7.10: Raised Pav Markers TY II-B-B. Install blue raised reflective markers for all fire hydrants within the work limits.

11.5. Sign Temporary Relocation and Signpost Replacement

11.5.1. In areas where work requires temporarily relocating roadside signs, Contractor shall receive approval from the City regarding relocation placement.

11.5.2. Contractor shall remove and replace signpost <u>anchors</u> for all roadside signs where grading changes the ground surface final elevation at the signpost.

15 of 16

11.5.3. Contractor is responsible for damage to signs and signposts until substa milestone. Any signs and signposts damaged during construction will be contractor at no cost to the owner.

12. STORM DRAIN (DRAINAGE)

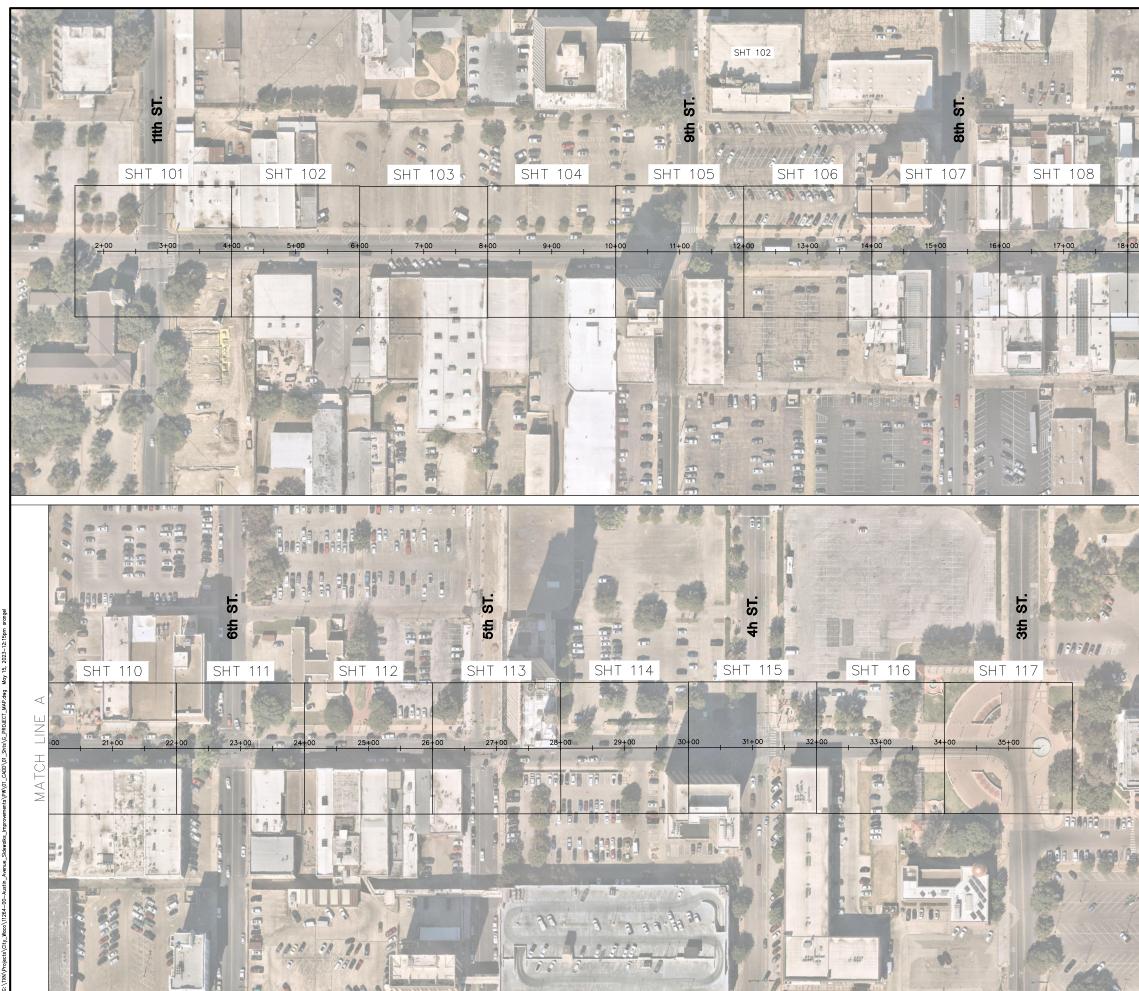
- 12.1. Embedment If the bedding under existing storm drain, water, or sanitar impacted during this construction, such bedding shall be restored in current City of Waco standard details. Restoration of bedding is subsidi installation. Type A backfill is subsidiary to pipe installation.
- 12.2. Removal of existing storm drains is subsidiary to bid item 2.01 Preparing R
- 12.3. **Bid Item 5.02: Remove Existing Culvert Structure:** This item will be Each. Will be paid for at the unit price bid for loading, hauling, disp excavation and backfill, equipment, labor, tools, and incidentals.
- 12.4. Trenching, backfill, and surface restoration required for installation installation shall be completed as shown on the plans, and in accordance w special project provisions.

12.4.1. Type A Backfill – note that Type A Backfill requirements were m requirements are outlined in the City of Waco Standard Specifications for 4.2-003 published February 22, 2022.

12.4.2. Flowable Backfill Material - Project-specific trench backfill requin flowable backfill are shown on the plans. The details shown shall be used in those shown in the standard embedment and trench backfill details. Flowable Controlled Low-Strength Material (CLSM) meeting the City of Waco Standa for Construction SP 4.2-002 published November 19, 2020. This item is a pipe installation.

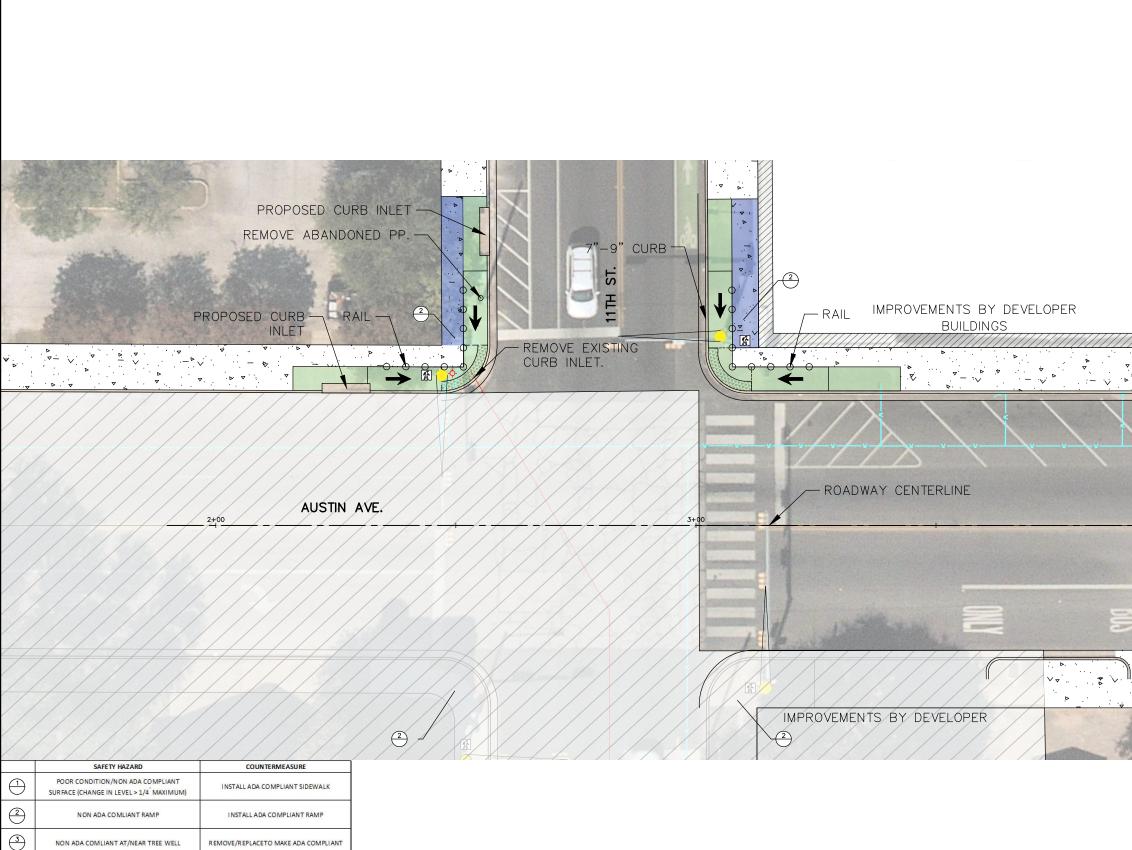
Austin Avenue Sidew

valk Improvements						
antial completion replaced by the						
ry sewer pipes is accordance with diary to the pipe						
Right of Way. measured by the posal, removing,						
of storm sewer vith the following						
nodified and new Construction SP						
rements utilizing conjunction with backfill shall be and Specifications subsidiary to the						
	60%	THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY				
	SUBMITTAL	REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE				
	FOR PRELIMINARY DESIGN REVIEW	RESPONSIBLE ENGINEER:				
		RESPONSIBLE ENGINEER: BGE, INC. TEXAS REGISTERED ENGINEERING FIRM F-1046				
		CLARK GAUER, P.E. TEXAS REGISTRATION NO. 80599				
	REV. DESCRIPTION	May 15, 2023 BY DATE				
	CITY (DF WACO				
	AUSTIN AVENUE SID	EWALK IMPROVEMENTS				
	SPECIAL PROVISIONS SHEET 8 OF 8 BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgelinc.com TBPR Registration No. F-1046					
	DESIGNED: BGE DATE	PROJECT NO. Sheet				
	DRAWN: BGE CHECKED: BGE MAY 202	23 11264-00 012				

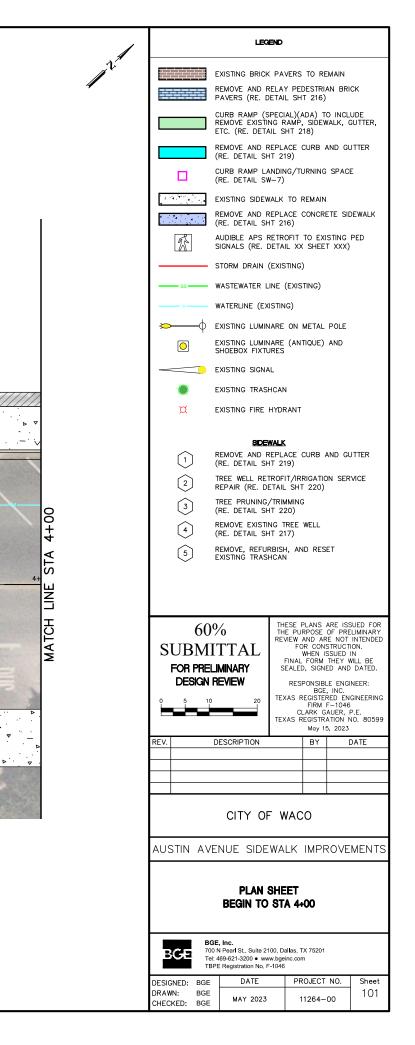


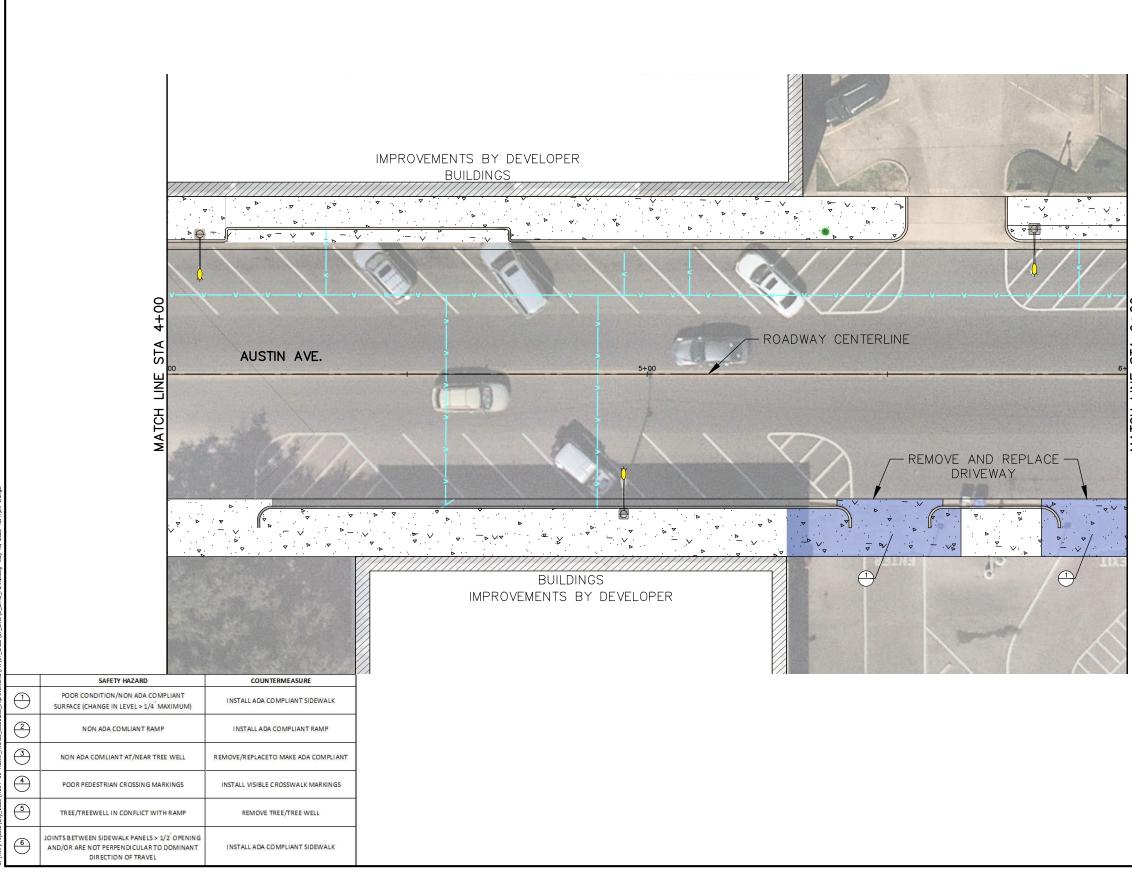
. ojecis/City_Weco/11264-00-Austin_Avenue_Sidewaks_Improvements/PW/01_CADD/01_SAts/0_PRO.ECT_MAP.Gwg May 15, 2023-12:15pm

SHT 109 BHT 109 WICH INE A				
	60% SUBMITT, FOR PRELIMINAL DESIGN REVIEW	AL RY ^{se}	FOR CONS WHEN IS FINAL FORM EALED, SIGNE RESPONSIBL BGE,	ARE ISSUED FOR PF PRELIMINARY E NOT INTENDED ITRUCTION. ISUED IN THEY WILL BE D AND DATED. E ENGINEER: INC. EED ENGINEERING
	REV. DESCRI	TEX	CLARK GA	1046 AUER, P.E. TITON NO. 80599 5, 2023 DATE
	CI"	TY OF W	/ACO	
	AUSTIN AVENUE	sidewai		OVEMENTS
1	Tel: 469-621- TBPE Registr	St., Suite 2100, Da -3200 • www.bgei ration No. F-1046 DATE		NO. Sheet

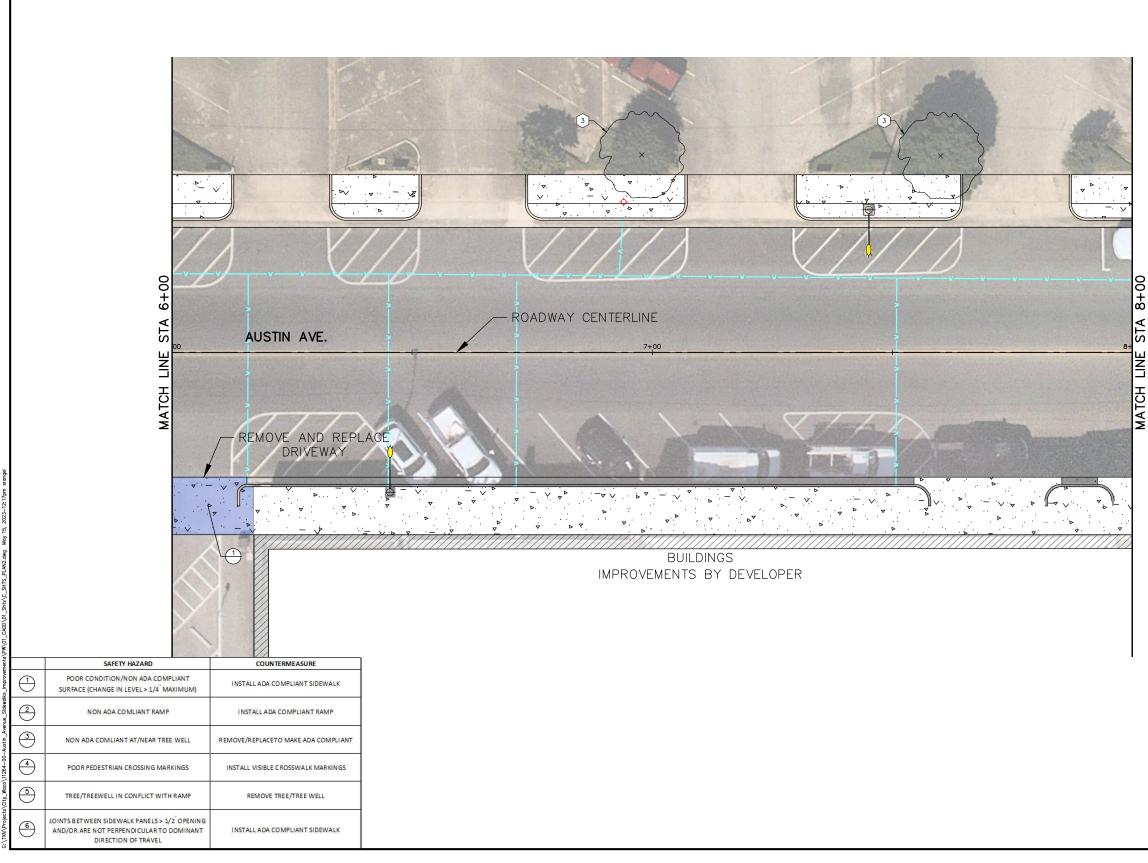


\sim	SORFACE (CHANGE IN LEVEL > 1/4 MAXIMONI)	
2	NON ADA COMLIANT RAMP	INSTALL ADA COMPLIANT RAMP
3	NON ADA COMLIANT AT/NEAR TREE WELL	REMOVE/REPLACETO MAKE ADA COMPLIANT
4	POOR PEDESTRIAN CROSSING MARKINGS	INSTALL VISIBLE CROSSWALK MARKINGS
5	TREE/TREEWELL IN CONFLICT WITH RAMP	REMOVE TREE/TREE WELL
6	JOINTS BETWEEN SIDEWALK PANELS > 1/2 OPENING AND/OR ARE NOT PERFENDICULAR TO DOMINANT DIRECTION OF TRAVEL	INSTALLADA COMPLIANT SIDEWALK

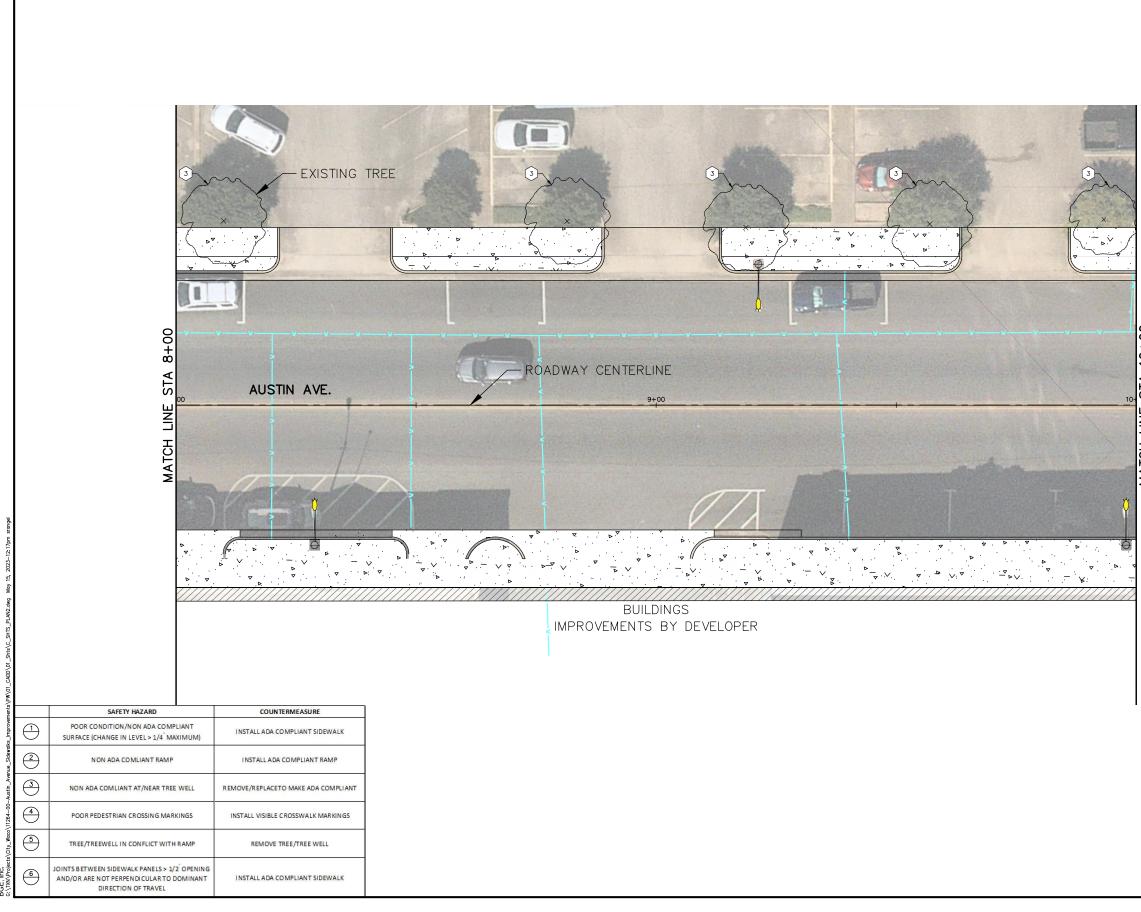




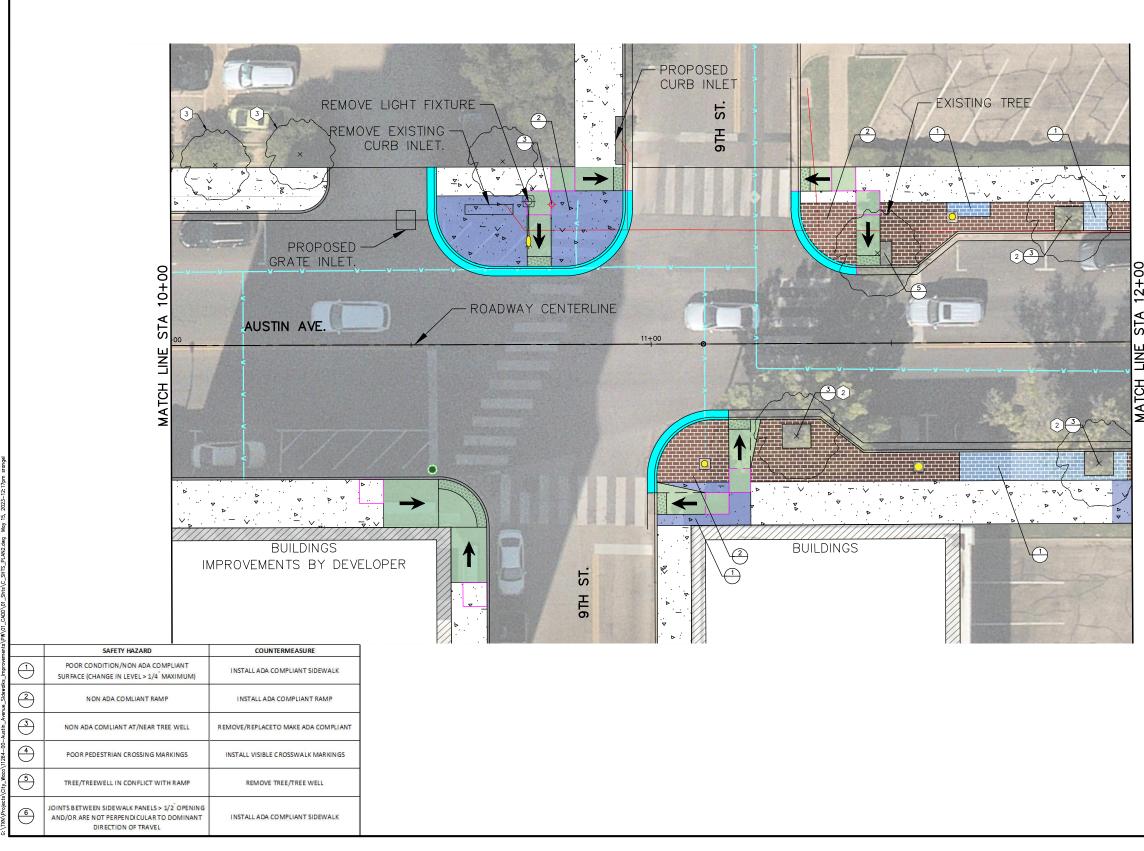
	LEGEND						
	EXISTING BRICK PA			ск			
F	PAVERS (RE. DETAIL SHT 216)						
F	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)						
	REMOVE AND REPL RE. DETAIL SHT 2		AND GU	JTTER			
	CURB RAMP LANDI RE. DETAIL SW-7)		SPAC	Ξ			
	XISTING SIDEWALK						
	REMOVE AND REPL RE. DETAIL SHT 2		ete si	DEWALK			
	AUDIBLE APS RETR SIGNALS (RE. DETA			PED			
s	STORM DRAIN (EXIS	STING)					
ss N	WASTEWATER LINE	(EXISTING)					
w N	WATERLINE (EXISTIN	1G)					
≻−−− ¢ п	EXISTING LUMINARE	ON METAL	POLE				
	XISTING LUMINARE		AND				
	XISTING SIGNAL						
()	XISTING TRASHCA	N					
	XISTING FIRE HYD						
	SIDEWALK REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN						
60% SUBMI For Prel DESIGN R		IESE PLANS IE PURPOSE FOR CON: WHEN I: FINAL FORM EALED, SIGNI RESPONSIBI BGE SXAS REGISTER CLARK G KAS REGISTR.	UF PRE E NOT STRUCT SSUED THEY V ED AND LE ENGI , INC. RED EN	LIMINARY INTENDED ION. IN VILL BE DATED. NEER: GINFERING			
		May 1	5, 2023	0. 00000			
REV. D	ESCRIPTION	BY		DATE			
	CITY OF V	VACO					
AUSTIN AVENUE SIDEWALK IMPROVEMENTS							
	0.02.07		- • -				
PLAN SHEET STA 4+00 TO STA 6+00							
BGE 700	, Inc. N Pearl St., Suite 2100, D 469-621-3200 ● www.bge E Registration No. F-1046	einc.com					
DESIGNED: BGE	DATE	PROJECT	NO.	Sheet			
DRAWN: BGE CHECKED: BGE	MAY 2023	11264-	00	102			



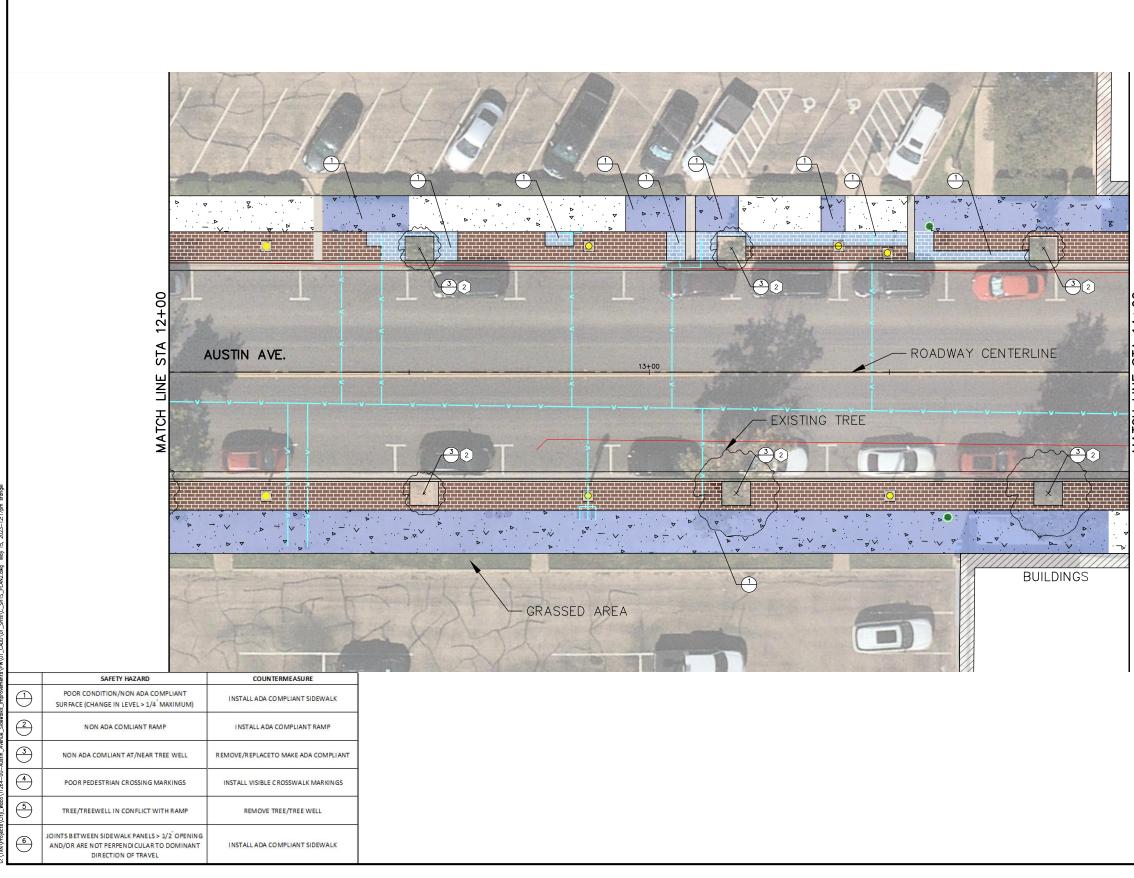
	LEGI	IND						
	EXISTING BRICK	DA.	VERS TO E					
	REMOVE AND RELAY PEDESTRIAN BRICK							
	PAVERS (RE. DETAIL SHT 216)							
	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)							
	REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219)							
	CURB RAMP LANDING/TURNING SPACE (RE. DETAIL SW-7)							
	EXISTING SIDEW							
	REMOVE AND R (RE. DETAIL SH			RETE SI	DEWALK			
T.	AUDIBLE APS R SIGNALS (RE. D							
	STORM DRAIN (EXIS	STING)					
ss	WASTEWATER LI	NE	(EXISTING)					
	WATERLINE (EXI	STIN	IG)					
→	EXISTING LUMIN							
0	EXISTING LUMIN SHOEBOX FIXTU	ARE RES	(ANTIQUE) AND				
	EXISTING SIGNA	L						
۲	EXISTING TRASH	ICAN	1					
¤	EXISTING FIRE	HYDF	RANT					
	SIDEV	VALK						
1	REMOVE AND R (RE. DETAIL SH			AND GU	JTTER			
2	TREE WELL RET REPAIR (RE. DE				NCE			
$\overrightarrow{\mathbf{x}}$	TREE PRUNING/	TRIN	MING	/				
	(RE. DETAIL SH REMOVE EXISTIN							
	(RE. DETAIL SH	T 2'	17)					
5	REMOVE, REFUR EXISTING TRASH		H, AND RE N	SET				
(0)	0.7	ТН	ESE PLANS	ARE IS	SUED FOR			
60		TH	E PURPOSE VIEW AND A FOR CO	OF PRE	LIMINARY INTENDED			
SUBM		<u> </u>	WHEN FINAL FORM	ISSUED	IN MLL BE			
FOR PREL DESIGN			EALED, SIG RESPONSI	BLE ENG	NEER:			
0 5 10	20	TE)	BG AS REGIST	E, INC. ERED EN F-1046	GINEERING			
		TE>	CLARK (AS REGIST	GAUER, RATION 1	, P.E. NO. 80599			
REV.	DESCRIPTION		May BY	15, 2023	DATE			
CITY OF WACO								
AUSTIN AV	ENUE SIDE	WA	LK IMP	ROVE	MENTS			
PLAN SHEET								
STA 6+00 TO STA 8+00								
	E, Inc.) N Pearl St., Suite 21 : 469-621-3200 ● www PE Registration No. F	w.bge	inc.com	1				
DESIGNED: BGE	DATE		PROJEC	T NO.	Sheet			
DRAWN: BGE CHECKED: BGE	MAY 2023	_	11264	-00	103			



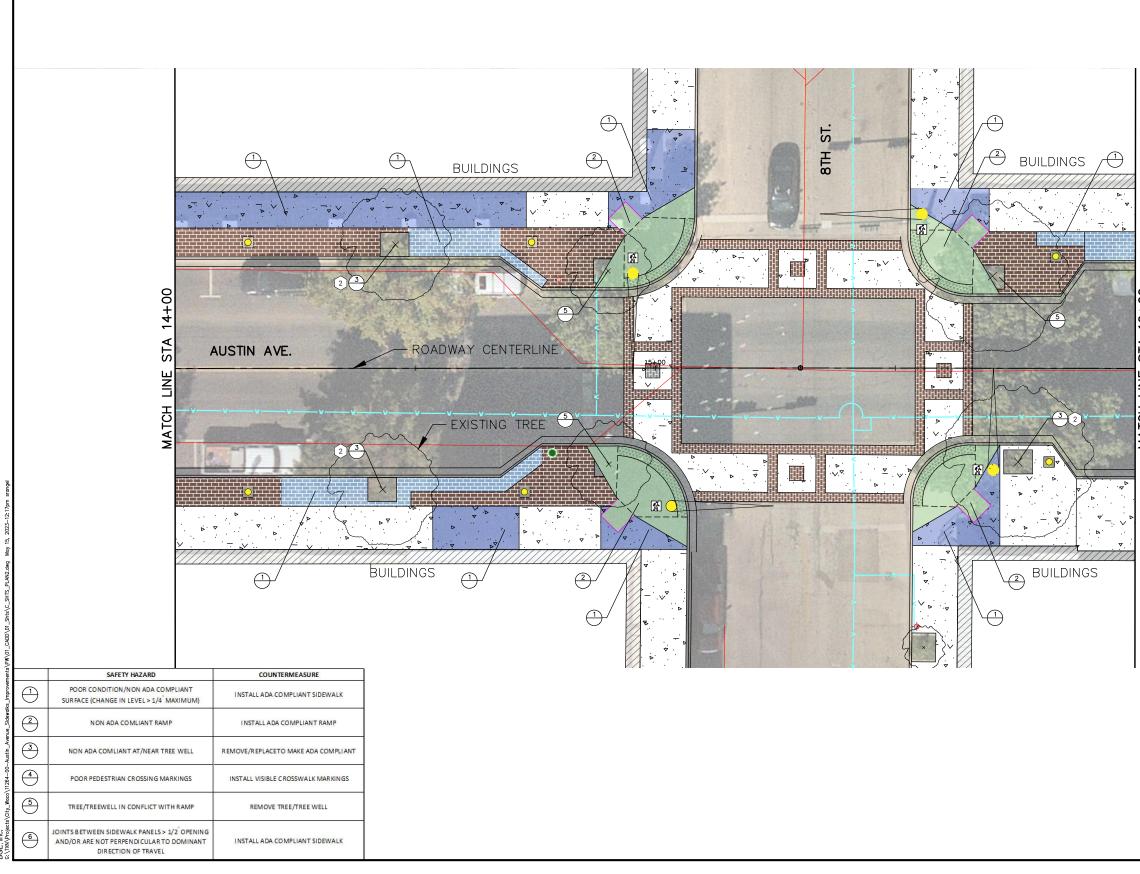
CITY OF WACO CITY OF WACO CITY OF WACO AUSTIN AVENUE SIDEWALK IMPROVEMENTS PLAN SHEET STA 8+00 TO STA 10+00 ESEE BGE, Inc. 700 N Pearl St. Suite 2100, Dallas, TX 75201 TEHE Registration No. F1046 ESIGNED: BGE DATE PROJECT NO. Sheet 104		LEG	end					
PAVERS (RE. DETAIL SHT 216) CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE AND REPLACE CURB AND GUTTER, ETC. (RE. DETAIL SHT 218) CURB RAMP LANDING/TURNING SPACE (RE. DETAIL SHT 218) CURB RAMP LANDING/TURNING SPACE (RE. DETAIL SHT 216) CURB RAMP LANDING/TURNING SPACE (RE. DETAIL SHT 216) CURB RAMP LANDING/TURNING SPACE (RE. DETAIL SW-7) EXISTING SIDEWALK TO REMAIN REMOVE AND REPLACE CONCRETE SIDEWALK (RE. DETAIL SW-7) SIGNALS (RE. DETAIL XS SHEET XXX) SIGNALS (RE. DETAIL XS SHEET XXX) SIGNALS (RE. DETAIL XS SHEET XXX) SIGNALS (RE. DETAIL SW FROM WASTEWATER LINE (EXISTING) WASTEWATER SING TRASHCAN EXISTING TRASHCAN EXISTING TRASHCAN EXISTING TRASHCAN EXISTING TRASHCAN REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 220) TREE WELL RETROFIT /RRIGATION SERVICE REPAR (RE. DETAIL SHT 220) TREE WELL RETROFIT /RRIGATION SERVICE REPAR (RE. DETAIL SHT 220) TREE WELL RETROFIT /RRIGATION SERVICE REPAR (RE. DETAIL SHT 220) (A) REMOVE, REPURBISH, AND RESET SISTING TRASHCAN DESIGN REVIEW DESCRIPTION DESCRI		EXISTING BRICH	(PA	VERS	TO RE	EMAIN		
REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218) REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SWT 219) CURB RAMP LANDING/TURNING SPACE (RE. DETAIL SWT 216) REMOVE AND REPLACE CONCRETE SIDEWALK (RE. DETAIL SWT 216) AUDREL ASP RETROPT TO EXISTING PED SIGNALS (RE. DETAIL SXT 216) STORM DRAIN (EXISTING) WASTEWATER LINE (EXISTING) PENELMINARY CITY OF REPLACE CURB AND GUTTER (RE. DETAIL SHT 217) S REWOVE EXISTING TRASHCAN REMOVE EXISTING TRASHCAN REMOVE EXISTING TRASHCAN CUTY OF WACO CUTY OF WACO <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>СК</th></td<>							СК	
(RE: DETAL SHT 219) CURB RAMP LANDING/TURNING SPACE (RE: DETAL SW-7) REMOVE AND REPLACE CONCRETE SIDEWALK (RE: DETAL SW 216) AUDIBLE APS RETROFIT TO EXISTING PED SIGNALS (RE: DETAL XX SHEET XXX) SIGNALS (RE: DETAL XX SHEET XXX) SIGNALS (RE: DETAL XX SHEET XXX) WATERLINE (EXISTING) EXISTING SIGNAL EXISTING TRASHCAN I EXISTING TRASHCAN I REMOVE AND REPLACE CURB AND GUTTER (RE: DETAL SHT 220) I THEE PRUNING/TRIMING (RE: DETAL SHT 220) I THEE PRUNING/TRIMING (RE: DETAL SHT 220) I REMOVE AND REPLACE OURS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY DESIGN REVIEW DESIGN REVIEW THEE PURPOSE OF PRELIMINARY DESIGNAL DESIGN REVIEW THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY DESIGNAL CITY OF WACO <		REMOVE EXISTI	NG F	RAMP	, SIĎEV			
CURB RAMP LANDING/TURNING SPACE (RE. DETAIL SW-7) EXISTING SIDEWALK TO REMAIN REMOVE AND REPLACE CONCRETE SIDEWALK (RE. DETAIL SHT 216) AUDIBLE APS RETROFT TO EXISTING PED SIGNALS (RE. DETAIL XX SHEET XXX) STORM DRAIN (EXISTING) WASTEWATER LINE (EXISTING) EXISTING LUMINARE ON METAL POLE EXISTING SIGNAL EXISTING SIGNAL EXISTING FIRE HYDRANT Image: Signal Replace CURB AND GUTTER (RE. DETAIL SHT 220) Image: Signal Replace CURB AND GUTTER (RE. DETAIL SHT 220) Image: Signal Replace CURB AND GUTTER (RE. DETAIL SHT 220) Image: Signal Replace CURB AND REPLACE (RE. DETAIL SHT 220) Image: Signal Replace CURB AND RESET Image: Signal Replace CURB AND RESET Image: Signal Replace CURB AND RESET Image: Signal Replace CURBISH, AND RESET Image: Signal Replace CORPORT AND RESULD FOR The PURPOSE OF PRELIMINARY DESCON REPLACE SIDEWALK IMPROVEMENTS Image: Signal Replace CORPORT AND RESULE PURPOSE (RECORPORT AND REPLACE CURB AND DATED. REPLAN SHEET SIGNAL REPLACE CURBISH, SIGNAL REPLACE CURBISH, SIGNAL REPLACE CORPORT AND RESULT PURPOSE (RECORPORT AND REPLACE CURBISH, SIGNAL CURBISH) Image: Signa					CURB	AND GU	JTTER	
EXISTING SIDEWALK TO REMAIN REMOVE AND REPLACE CONCRETE SIDEWALK (RE. DETAIL SHT 216) AUDIBLE APS RETROFT TO EXISTING PED SIGNALS (RE. DETAIL XX SHEET XXX) STORM DRAIN (EXISTING) WASTEWATER LINE (EXISTING) EXISTING SIGNAL EXISTING FIRE HYDRANT 1 REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 220) 3 TREE PRUNING/TRIMING (RE. DETAIL SHT 217) 3 REMOVE EXISTING TRESHCAN MUSTING TRASHCAN RESOUND FOR CONSTRUCTION. NHEN ISSUED IN FRANCE OR TREELIMINARY DESIGN REVEW 0 10 CITY OF WACO XUSTIN AVENUE SIDEWALK IMPROVEMENTS CITY OF WACO AUDITION AUC SIDEWALK IMPROVEMENTS TOW REALS. SUME 2100. Dalks, TX 76201 TEXAS REDISTRICD INO. BOSON Way 15, 2023		CURB RAMP LA	ANDI	IG∕TI	URNING	SPAC	E	
Image: Start Star					REMAIN	I		
SIGNALS (RE. DETAIL XX SHEET XXX) STORM DRAIN (EXISTING) WASTEWATER LINE (EXISTING) EXISTING SIGNAL EXISTING SIGNAL EXISTING FIRE HYDRANT EXISTING FIRE HYDRANT C EXISTING FIRE HYDRANT C REPAR (RE. DETAIL SHT 220) TREE PRUNING/TRIMING REMOVE EXISTING TREE WELL (RE. DETAIL SHT 220) C REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN C EXISTING TRASHCAN C	4				CONCR	ete si	DEWALK	
WASTEWATER LINE (EXISTING) WATERLINE (EXISTING) WATERLINE (EXISTING) EXISTING LUMINARE ON METAL POLE EXISTING LUMINARE (ANTIQUE) AND SHOEBOX FIXTURES EXISTING SIGNAL EXISTING FIRE HYDRANT EXISTING FIRE HYDRANT EXISTING FIRE HYDRANT EXISTING FIRE HYDRANT THEE WELL RETROFIT/IRIGATION SERVICE REPAR (RE. DETAIL SHT 220) THEE PRUNING/TRIMMING (RE. DETAIL SHT 220) THEE PRUNING/TRIMMING (RE. DETAIL SHT 220) THEE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE REVISITING TREE WELL (RE. DETAIL SHT 220) THEE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE REVISITING TREE WELL (RE. DETAIL SHT 220) THEE PRUNING/TRIMMING (RE. DETAIL SHT 220) THEE PRUNING/TRIMMING (RE. DETAIL SHT 220) THEE PRUNING TREE WELL (RE. DETAIL SHT 220) THEE PRUNING TREE WELL (RE. DETAIL SHT 220) THE PURPOSE OF PRELIMINARY REVIEW DESCRIPTION D	Tr.							
WATERLINE (EXISTING) WATERLINE (EXISTING) EXISTING LUMINARE ON METAL POLE EXISTING LUMINARE (ANTIQUE) AND SHOEBOX FIXTURES EXISTING SIGNAL EXISTING FIRE HYDRANT Image: Comparison of the transmission of the hydrant Image: Comparison of the hydrant of the hydrant hydranth hydrant	STORM DRAIN (EXISTING)							
EXISTING LUMINARE ON METAL POLE EXISTING LUMINARE (ANTIQUE) AND SHOEBOX FIXTURES EXISTING SIGNAL EXISTING FIRE HYDRANT TERE WELL RETROFT/ARIGATION SERVICE REPAR (RE. DETAIL SHT 220) TREE WELL RETROFT/ARIGATION SERVICE REPAR (RE. DETAIL SHT 220) TREE WELL RETROFT/ARIGATION SERVICE REPAR (RE. DETAIL SHT 220) REMOVE REFINE WELL (RE. DETAIL SHT 220) TREE VISITING TREE WELL (RE. DETAIL SHT 220) TREE VISITING TREE WELL (RE. DETAIL SHT 220) TREE VISITING TRASHCAN THE PURPOSE OF PRELIMINARY DESIGN REVIEW DESIGNED AND ARESET SUBMITITAL FOR PRELIMINARY DESIGNE REVIEW DESIGNED AND SUBMITITAL FOR PRELIMINARY DESIGNED AND SUBMITITAL FOR PRELIMINARY DESIGNED SUBMITITAL FOR PRELIMINARY DESIGNED SUBMITITAL FOR PRELIMINARY DESIGNED SUBMITITAL SUBMITITAL FOR PRELIMINARY DESIGNED SUBMITITAL FOR PRELIMINARY DESIGNED SUBMITITAL FOR PRELIMINARY DESIGNED SUBMITITAL SUBMITITAL FOR PRELIMINARY DESIGNED SUBMITITAL SUBMITITAL FOR PRELIMINARY DESIGNED SUBMITITAL SUBMIT								
EXISTING LUMINARE (ANTIQUE) AND SHOEBOX FIXTURES EXISTING SIGNAL EXISTING TRASHCAN EXISTING TRASHCAN EXISTING FIRE HYDRANT EXISTING TRASHCAN EXISTING TRASHCAN	w	WATERLINE (EX	ISTIN	IG)				
SHOEBOX FIXTURES EXISTING SIGNAL EXISTING TRASHCAN EXISTING TRASHCAN EXISTING FIRE HYDRANT	\succ existing luminare on metal pole							
EXISTING TRASHCAN EXISTING FIRE HYDRANT EXISTING FIRE HYDRANT EXISTING FIRE HYDRANT EXISTING FIRE HYDRANT CIEVAL SHD REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) (2) REPAY (RE. DETAIL SHT 220) (3) REE PRUNING/TRIMMING (RE. DETAIL SHT 220) (4) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 220) (5) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN (RE. DETAIL SHT 217) (5) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN (RE. DETAIL SHT 217) (5) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN (RE. DETAIL SHT 217) (5) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN (RE. DETAIL SHT 220) (7) RESEQUENCE (RE. DETAIL SHT 220) (7) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN (RE. DETAIL SHT 217) (5) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN (RE. DETAIL SHT 217) (5) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN (RE. DETAIL SHT 217) (5) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN (RE. DETAIL SHT 220) (2) CARK GAUER, P.E. (2)								
EXISTING FIRE HYDRANT Image: Construction of the second seco	EXISTING SIGNAL							
PERFORMANCE PLAND REPLACE CURB AND GUTTER (E. DETAIL SHT 219) 1 REE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) 3 REE PRUNNS/IRMMING (RE. DETAIL SHT 220) 3 REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) 5 REMOVE, REFURBISH, AND RESET 5 REMOVE, REFURBISH, AND RESET MOVE, REFURBISH, AND RESET MOVE, REFURBISH, AND RESET MESSION REVIEW CITY OF WACO MESSION REVIEW MESSI	۲	EXISTING TRAS	HCAN	1				
REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) TREE WELL RETROFT/RRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) (3) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) (4) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) (5) REMOVE, REFURBISH, AND RESET (7) REMOVE, REFURBISH, REVIEW (7) REMOVE, REFURBISH, REVIEW (7) REMOVE, REFURBISH, REVIEW (7) REMOVE, REFURBISH, REVIEW (7) REVIEW AND ARE NOT INTENDED (7) REMOVE, REFURBISH, REVIEW (7) RESERVATION, NO. 80599 (7) SOULD N. BY DATE (7) REMOVE, REFURBISH, REVIEW (7) RESERVATION, ROW, 80599 (7) SOULD N. BY DATE (7) REMOVE, SIDEWALK IMPROVEMENTS (7) REAR SUBJEVENT, REFERENCE (7) REMOVE, SIDEWALK IMPROVEMENTS (7) REAR SUBJEVIEWALK (7) REAR SUBJEVIEWALK (7) REAR SUBJEVIEWALK (7) REAR SUBJEVIEWALK (7) REAR SUBJEVI	¤	EXISTING FIRE	HYDI	RANT				
SUBMITTAL FOR PRELIMINARY DESIGN REVIEW • • •	$\begin{pmatrix} 2 \\ 3 \\ 4 \\ \end{pmatrix}$	(RE. DETAIL SHT 219) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET						
TEXAS REDISTRATION NO. 80599 Moy 15, 2023 REV. DESCRIPTION BY DATE CITY OF WACO CITY OF WACO AUSTIN AVENUE SIDEWALK IMPROVEMENTS PLAN SHEET STA 8+00 TO STA 10+00 BGE, Inc. 700 N Pearl St, Suite 2100, Dallas, TX 75201 Tet: 469-621-3200 • www.bgeinc.com TBPE Registration No. F1046 DESIGNED: BGE DATE PROJECT NO. Sheet 104	SUBM For pre Design	ITTAL Liminary review	RE'	VIEW FO FINAL EALEI RESI (AS F	AND AF OR CON WHEN I FORM D, SIGN PONSIB BGE REGISTE FIRM	RE NOT STRUCT SSUED THEY V ED AND LE ENGI C, INC. RED EN F-1046	INTENDED ION. IN VILL BE DATED. NEER: GINEERING	
CITY OF WACO CITY OF WACO CITY OF WACO AUSTIN AVENUE SIDEWALK IMPROVEMENTS PLAN SHEET STA 8+00 TO STA 10+00 ESEE BGE, Inc. 700 N Pearl St. Suite 2100, Dallas, TX 75201 TEHE Registration No. F1046 ESIGNED: BGE DATE PROJECT NO. Sheet 104			TE)	(AS R	REGISTR	ATION N	10. 80599	
AUSTIN AVENUE SIDEWALK IMPROVEMENTS PLAN SHEET STA 8+00 TO STA 10+00 BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgeinc.com TBPE Registration No. F-104 DESIGNED: BGE DATE PROJECT NO. Sheet DRAWN: BGE WAX 2023 11264-00 104	REV.	DESCRIPTION			BY	1	DATE	
AUSTIN AVENUE SIDEWALK IMPROVEMENTS PLAN SHEET STA 8+00 TO STA 10+00 BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgeinc.com TBPE Registration No. F-104 DESIGNED: BGE DATE PROJECT NO. Sheet DRAWN: BGE WAX 2023 11264-00 104								
AUSTIN AVENUE SIDEWALK IMPROVEMENTS PLAN SHEET STA 8+00 TO STA 10+00 BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgeinc.com TBPE Registration No. F-104 DESIGNED: BGE DATE PROJECT NO. Sheet DRAWN: BGE WAX 2023 11264-00 104								
PLAN SHEET STA 8+00 TO STA 10+00 EXECT 100 Pearl St. Suite 2100, Dallas, TX 75201 Tet: 498-621-3200 • www.bgeinc.com TBPE Registration No, F-1046 Sheet 104 DESIGNED: BGE DATE PROJECT NO. Sheet 104		CITY OI	- v	VAC	0			
STA 8+00 TO STA 10+00 BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tet: 498-421.3200 • www.bgeinc.com TBPE Registration No, F-1046 DESIGNED: BGE DATE PROJECT NO. Sheet DRAWN: BGE MAX, 2023 11264-00 104	AUSTIN AV	ENUE SIDE	WA	LK	IMPF	ROVE	MENTS	
TOON Pearl St. Suite 2100, Dallas, TX 75201 TEX 459-6213200 • www.bgeinc.com TBPE Registration No. F-1046 DESIGNED: BGE DATE PROJECT NO. Sheet DRAWN: BGE MAX 2023 11264-00 104					0+00			
DESIGNED: BGE DATE PROJECT NO. Sheet DRAWN: BGE NAX 2023 11264-00 104		00 N Pearl St., Suite 2 el: 469-621-3200 • wv	vw.bge	inc.cor				
DRAWN: BGE MAX 2023 11264-00 104		-	-1040	_	OJECT	NO.	Sheet	
	DRAWN: BGE	MAY 2023		1	1264-	00	104	



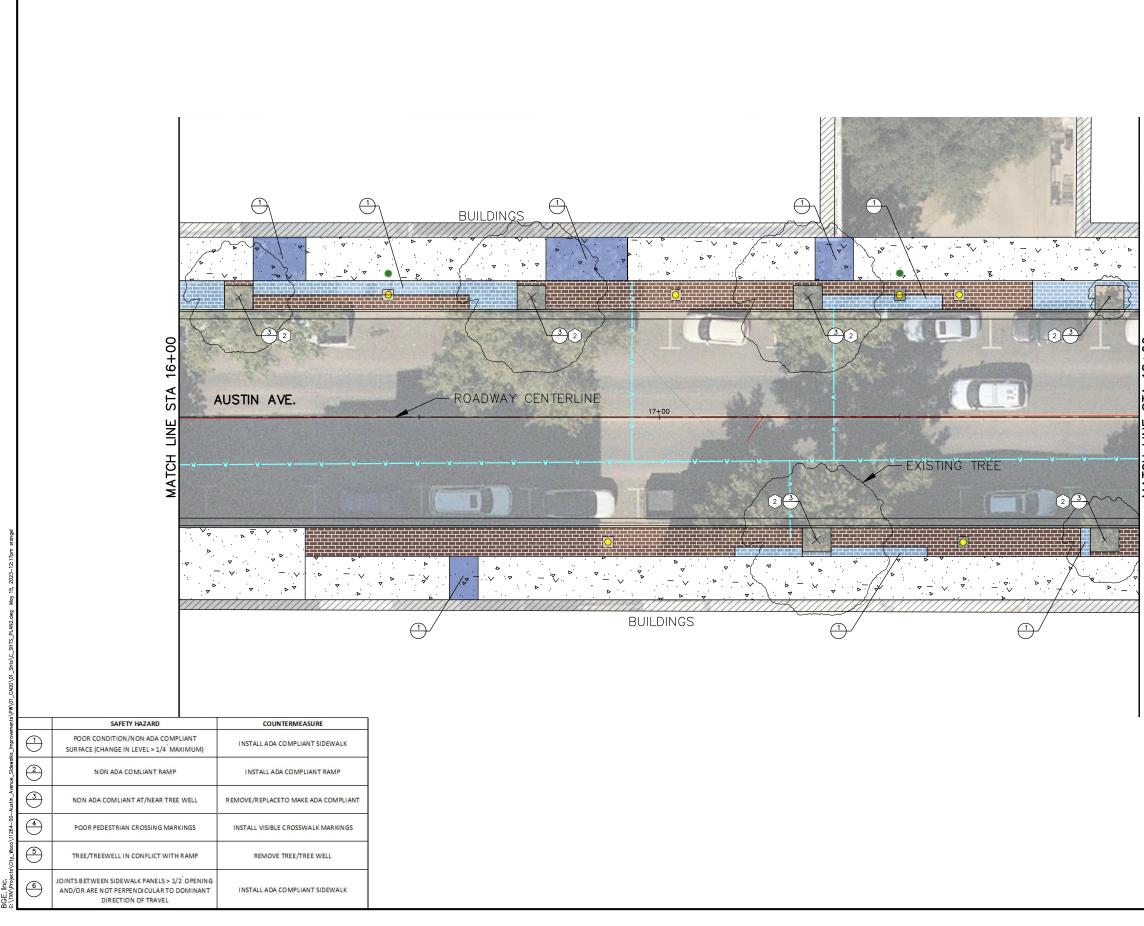
	LEC	gend						
	EXISTING BRIC	CK PAVERS TO REMAIN						
		REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)						
	CURB RAMP (SPECIAL)(ADA) TO INCLUDE TING RAMP, SIDEWALK, GUTTER,						
	REMOVE AND (RE. DETAIL S	REPLACE CURB AND GUTTER						
		ANDING/TURNING SPACE						
a sa ta sa ta sa		WALK TO REMAIN						
	REMOVE AND	REPLACE CONCRETE SIDEWALK						
F		RETROFIT TO EXISTING PED DETAIL XX SHEET XXX)						
	STORM DRAIN (EXISTING)							
w	WATERLINE (E)	XISTING)						
\rightarrow existing luminare on metal pole								
EXISTING LUMINARE (ANTIQUE) AND SHOEBOX FIXTURES								
EXISTING SIGNAL								
EXISTING TRASHCAN								
¤	EXISTING FIRE	HYDRANT						
 3 4 5 	TREE WELL RETROFIT//RRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN							
SUBM FOR PRE DESIGN)% ITTAL Eliminary Review	THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BCE, INC. TEXAS REGISTERD ENGINEERING FIRM F-1046 CLARK GAUER, P.E. TEXAS REGISTRATION NO. 30599						
REV.	DESCRIPTION	May 15, 2023 BY DATE						
	CITY O	DF WACO						
AUSTIN AV	/ENUE SIDE	EWALK IMPROVEMENTS						
	PLAN SHEET STA 10+00 TO STA 12+00							
BGE 7	IGE, Inc. 00 N Pearl St., Suite 2 el: 469-621-3200 ● wi BPE Registration No.							
DESIGNED: BGE	-	PROJECT NO. Sheet						
DRAWN: BGE	MAY 2023	3 11264-00 105						



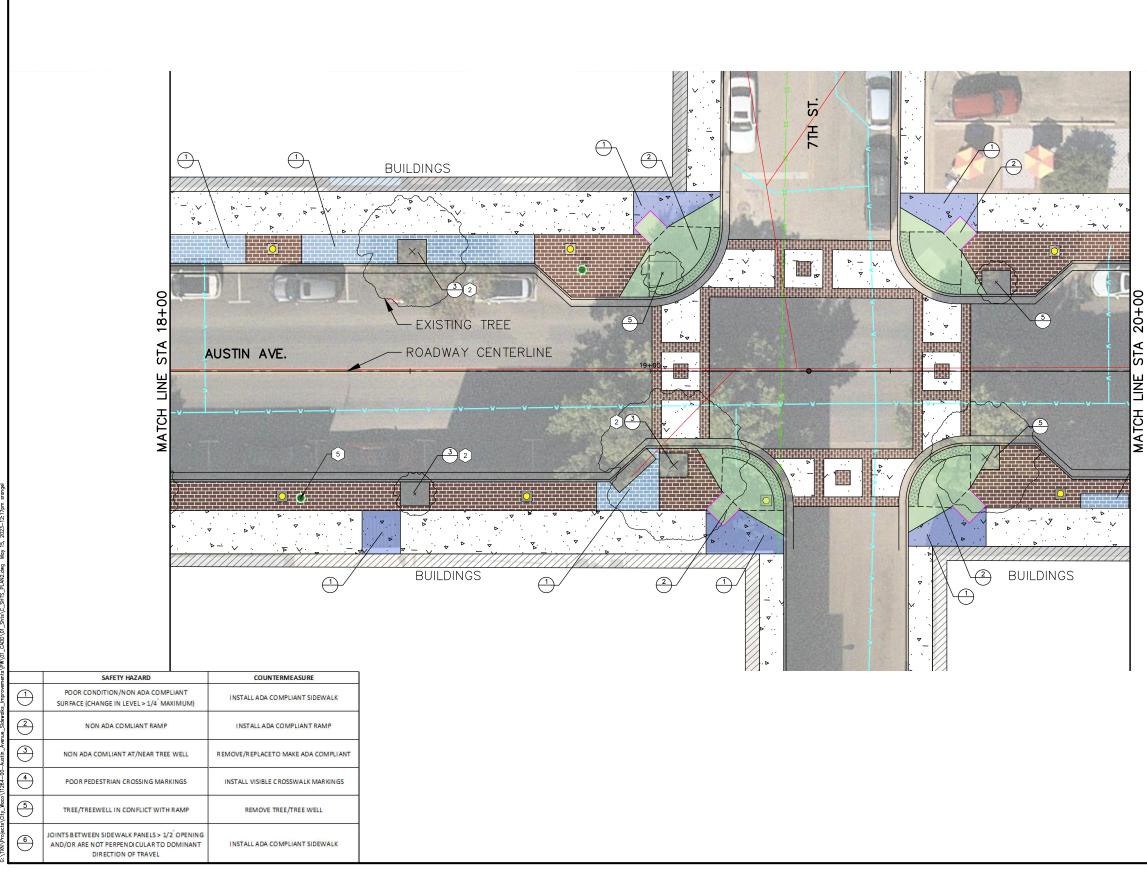
	LEG	end						
	EXISTING BRICK	(PA	VERS	TO RE	MAIN			
	REMOVE AND F PAVERS (RE. D	REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)						
	REMOVE EXISTI	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)						
	REMOVE AND F (RE. DETAIL SH			CURB	AND GU	JTTER		
	CURB RAMP LA	CURB RAMP LANDING/TURNING SPACE (RE. DETAIL SW-7)						
	EXISTING SIDEWALK TO REMAIN REMOVE AND REPLACE CONCRETE SIDEWALK (RE. DETAIL SHT 216) AUDIBLE APS RETROFIT TO EXISTING PED							
	SIGNALS (RE. I				T XXX)			
	STORM DRAIN							
SS	WASTEWATER L			ling)				
~ ~	WATERLINE (EX							
	EXISTING LUMIN							
\bigcirc	SHOEBOX FIXTU							
	EXISTING SIGNA	AL.						
۲	EXISTING TRAS	HCAN	1					
¤	EXISTING FIRE	HYDF	RANT					
$\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) (RE. DETAIL SHT 220) (RE. DETAIL SHT 220) (RE. DETAIL SHT 217) PEMOVE PEELEPISH AND PESET							
60 SUBM For Pre Design	ITTAL	RE'	FINAL FINAL FINAL FINAL FINAL	AND AF R CON WHEN I FORM), SIGN PONSIB BGE	RE NOT STRUCT SSUED THEY V ED AND LE ENGI , INC.	IN VILL BE DATED. NEER:		
	20		CL	FIRM .ARK G EGISTR	F-1046 AUER, H	GINEERING P.E. 10. 80599		
REV.	DESCRIPTION			BY		DATE		
CITY OF WACO								
AUSTIN AV	AUSTIN AVENUE SIDEWALK IMPROVEMENTS							
PLAN SHEET STA 12+00 TO STA 14+00								
	GE, Inc. 00 N Pearl St., Suite 2 [∩] sl: 469-621-3200 ● ww 3PE Registration No, F	/w.bge	inc.con					
DESIGNED: BGE			PR	OJECT	NO.	Sheet		
DRAWN: BGE CHECKED: BGE	MAY 2023		1	1264–	00	106		



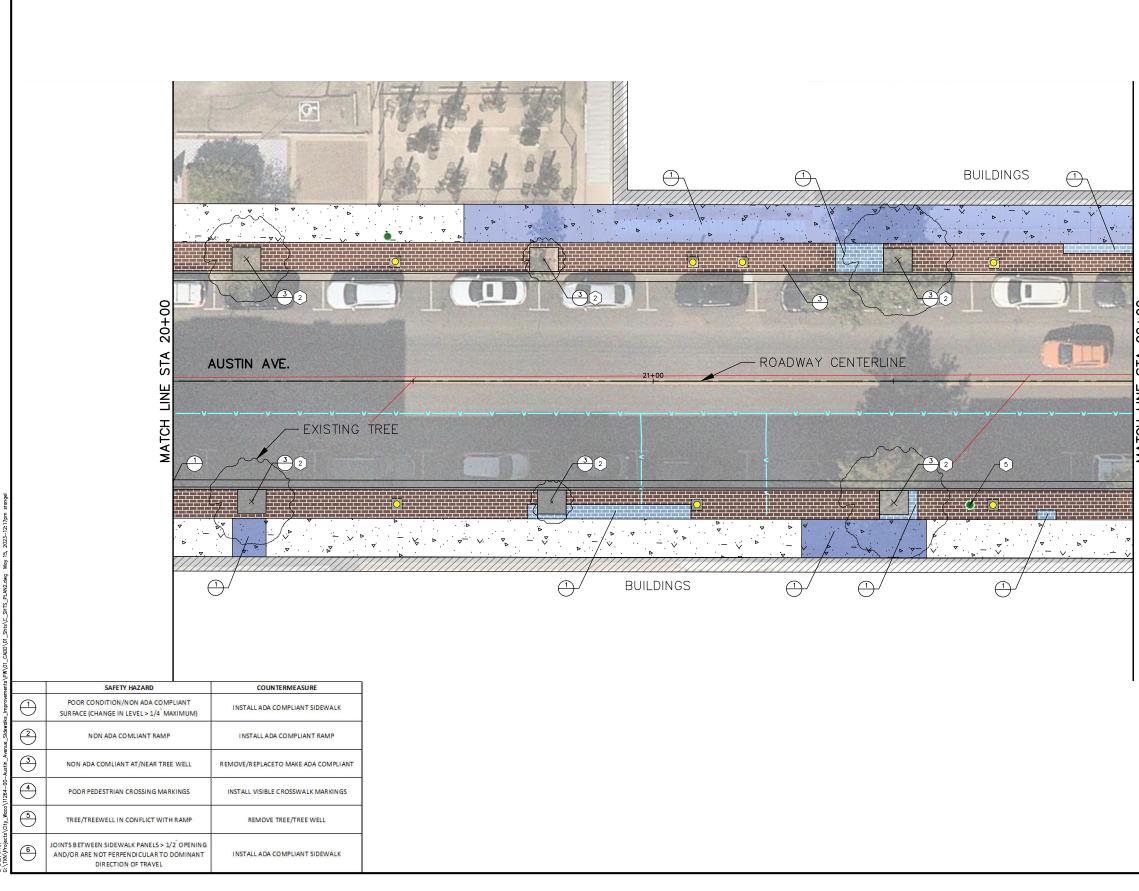
LEGEND							
EXISTING BRICK PAVERS TO REMAIN							
	REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)						
	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)						
	REMOVE AND R (RE. DETAIL SH			AND GU	JTTER		
	CURB RAMP LA (RE. DETAIL SW	NDIN	IG/TURNIN	G SPAC	E		
	EXISTING SIDEW	ALK	TO REMAI	N			
	REMOVE AND R (RE. DETAIL SH			RETE SI	DEWALK		
T.	AUDIBLE APS F SIGNALS (RE. [
	STORM DRAIN (EXIS	STING)				
ss	WASTEWATER L	NE	(EXISTING)				
w	WATERLINE (EX	STIN	IG)				
,∞ ¢	EXISTING LUMIN	ARE	ON META	POLE			
0	EXISTING LUMIN SHOEBOX FIXTU	ARE RES	(ANTIQUE) AND			
	EXISTING SIGNA	L					
۲	EXISTING TRASH	ICAN	1				
¤	EXISTING FIRE	HYDF	RANT				
$\begin{vmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \end{vmatrix}$	REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN						
60' SUBMI FOR PREL DESIGN	TTAL JMINARY	TH RE' S TE)	FINAL FORM EALED, SIGI RESPONSIE BG KAS REGISTI FIRM CLARK (AS REGISTI	OF PRE RE NOT ISSUED I THEY N NED AND BLE ENG E, INC. ERED EN F-1046 GAUER,	ELIMINARY INTENDED ION. IN MILL BE D DATED. INEER: GINEERING		
REV.	DESCRIPTION		BY		DATE		
	CITY OF	v	VACO				
AUSTIN AVI	ENUE SIDE	WA	LK IMP	ROVE	MENTS		
AUSTIN AVENUE SIDEWALK IMPROVEMENTS Plan Sheet Sta 14+00 to Sta 16+00							
	BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tei: 469-621-3200 • www.bgeinc.com TBPE Registration No. F-1046						
DESIGNED: BGE	DATE		Sheet				
DRAWN: BGE CHECKED: BGE	MAY 2023		11264	-00	107		



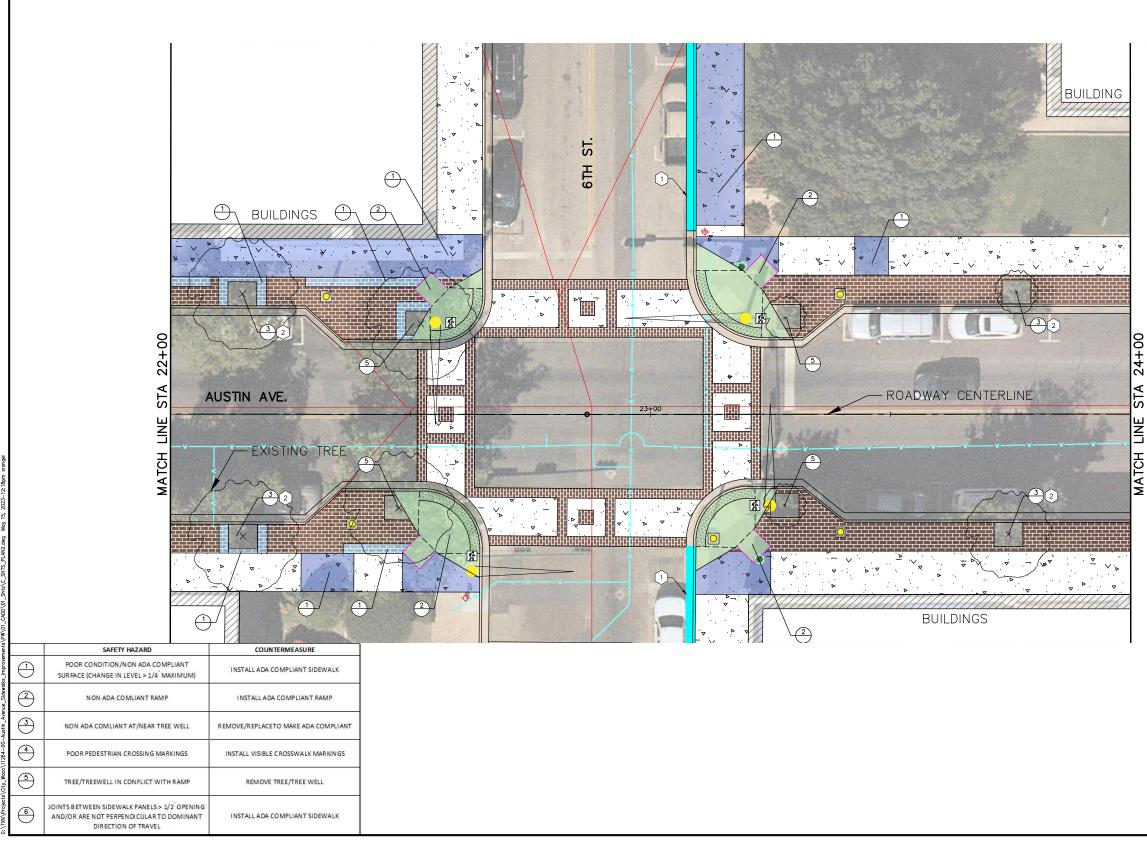
LEGEND							
	EXISTING BRICK	(PA	AVERS TO REMAIN				
	REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)						
	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)						
	REMOVE AND F (RE. DETAIL SH		LACE CURB AND GUTTER				
			ING/TURNING SPACE				
	EXISTING SIDEN	VALK	K TO REMAIN				
and the second sec	(RE. DETAIL SH AUDIBLE APS F	HT 2 RETR	ROFIT TO EXISTING PED				
			AIL XX SHEET XXX)				
SS	STORM DRAIN WASTEWATER L						
	WATERLINE (EX						
~ ~							
			E ON METAL POLE E (ANTIQUE) AND				
0	SHOEBOX FIXTU						
	EXISTING SIGNA	AL.					
۲	EXISTING TRAS	HCAN	N				
¤	EXISTING FIRE	HYD	DRANT				
$\begin{pmatrix} 2 \\ 3 \\ 4 \\ 5 \end{pmatrix}$	REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN						
		THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER:					
0 5 1	20		BGE, INC. EXAS REGISTERED ENGINEERING FIRM F-1046 CLARK GAUER, P.E. EXAS REGISTRATION NO. 80599 May 15, 2023				
REV.	DESCRIPTION		BY DATE				
	CITY OF WACO						
AUSTIN AVENUE SIDEWALK IMPROVEMENTS							
PLAN SHEET STA 16+00 TO STA 18+00							
	BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621.3200 • www.bgeinc.com TBPE Registration No. F-1046						
DESIGNED: BGE			PROJECT NO. Sheet				
DRAWN: BGE CHECKED: BGE	MAY 2023		11264-00 108				



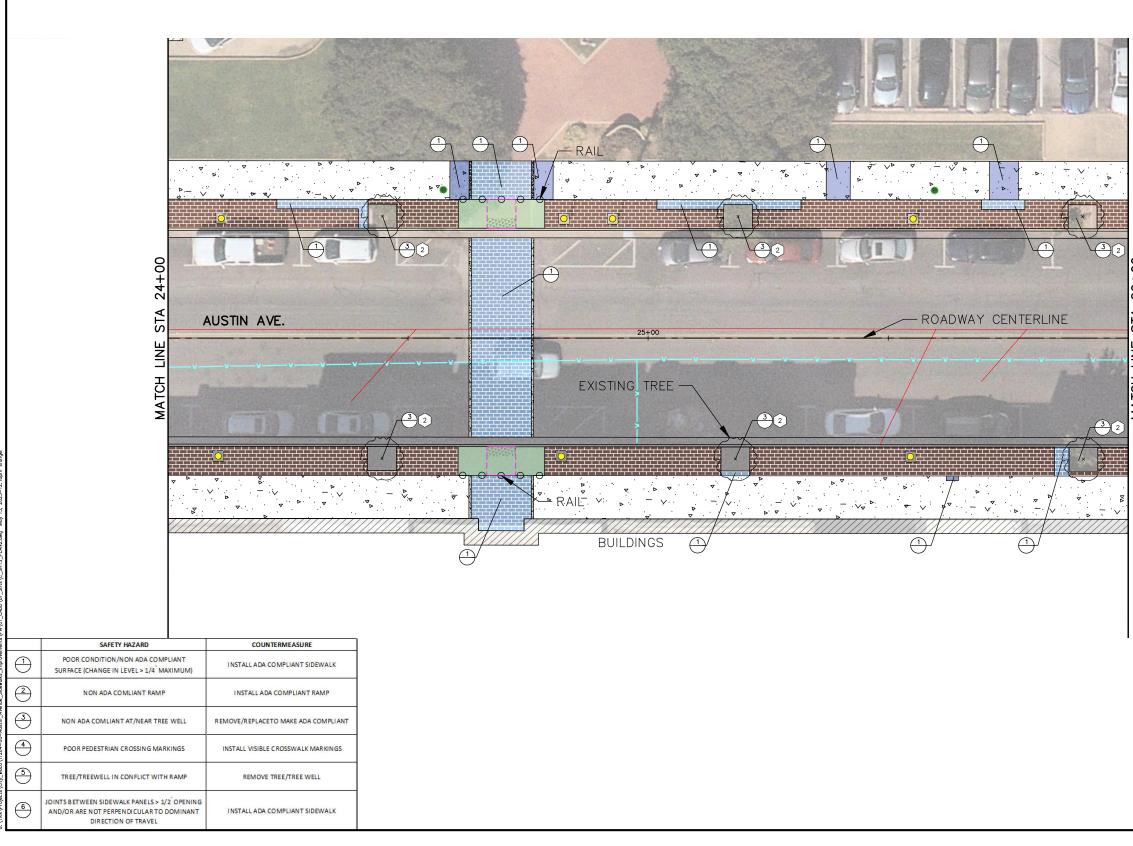
LEGEND							
EXISTING BRICK PAVERS TO REMAIN							
	REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)						
	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)						
	REMOVE AND R (RE. DETAIL S⊢		ACE CURB AND G 19)	UTTER			
	CURB RAMP LA (RE. DETAIL SW		IG/TURNING SPAC	Æ			
	EXISTING SIDEW						
r an	(RE. DETAIL SH AUDIBLE APS F	IT 2' RETR	ACE CONCRETE SI 16) OFIT TO EXISTING IL XX SHEET XXX	PED			
	STORM DRAIN			/			
SS	WASTEWATER L						
	WATERLINE (EX	ISTIN	G)				
~ 0	EXISTING LUMIN	IARE	ON METAL POLE				
о О		IARE	(ANTIQUE) AND				
	EXISTING SIGNA	L					
۲	EXISTING TRAS	HCAN	ı				
¤	EXISTING FIRE	HYDF	RANT				
$\begin{array}{c} 1 \\ \hline 2 \\ \hline 3 \\ \hline 4 \\ \hline 5 \\ \hline \end{array}$	REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN						
SUBM For pre	LIMINARY REVIEW	RE' S TE)	ESE PLANS ARE IS E PURPOSE OF PR FOR CONSTRUC WHEN ISSUED FINAL FORM THEY EALED, SIGNED AN RESPONSIBLE ENG BGE, INC. (AS REGISTERED EI FIRM F-104 CLARK GAUER,	INTENDED TION. IN WILL BE D DATED. SINEER: NGINEERING 6 P.E.			
		IE>	AS REGISTRATION May 15, 2023				
REV.	DESCRIPTION		BY	DATE			
CITY OF WACO							
AUSTIN AV	ENUE SIDE	WA	lk improve	EMENTS			
PLAN SHEET STA 18+00 TO STA 20+00							
BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgeinc.com TBPE Registration No, F-1046							
DESIGNED: BGE DRAWN: BGE			PROJECT NO.	Sheet 109			
CHECKED: BGE	MAY 2023		11264-00				



LEGEND								
	EXISTING BRICH	K PA	VERS	to re	MAIN			
REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)								
CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)								
	REMOVE AND I (RE. DETAIL SI			URB .	AND GU	JTTER		
	CURB RAMP L	ANDIN N—7)	NG/TU	RNING	SPAC	Ξ		
	EXISTING SIDE	VALK	TO R	EMAIN				
	REMOVE AND I (RE. DETAIL SI			ONCR	ete si	DEWALK		
1	AUDIBLE APS RETROFIT TO EXISTING PED SIGNALS (RE. DETAIL XX SHEET XXX)							
	STORM DRAIN (EXISTING)							
SS	WASTEWATER I	INE	(EXIST	'ING)				
w	WATERLINE (E>	ISTIN	IG)					
~ \$	EXISTING LUMI	NARE	ON M	IETAL	POLE			
0	EXISTING LUMIT	JRES	(ANT	QUE)	AND			
	EXISTING SIGN	AL.						
۲	EXISTING TRAS	HCAN	1					
¤	EXISTING FIRE	HYDI	RANT					
$\begin{pmatrix} 1 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	(RE. DETAIL SIT 219) (2) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) (3) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) (4) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) (4) REMOVE REFIDENCE AND RESET							
SUBM FOR PRE DESIGN	60% SUBMITTAL FOR PRELIMINARY DESIGN REVIEW 0 5 10 20 5 10 20							
REV.	DESCRIPTION			BY	5, 2023	DATE		
	CITY O	- v	VAC	C				
AUSTIN AV	ENUE SIDE	WA	LK	MPF	ROVE	MENTS		
	AUSTIN AVENUE SIDEWALK IMPROVEMENTS Plan Sheet Sta 20+00 to Sta 22+00							
BGE T	BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgeinc.com TBPE Registration No. F-1046							
DESIGNED: BGE	-			DJECT	NO.	Sheet		
DRAWN: BGE CHECKED: BGE	MAY 2023		11	264-	00	110		

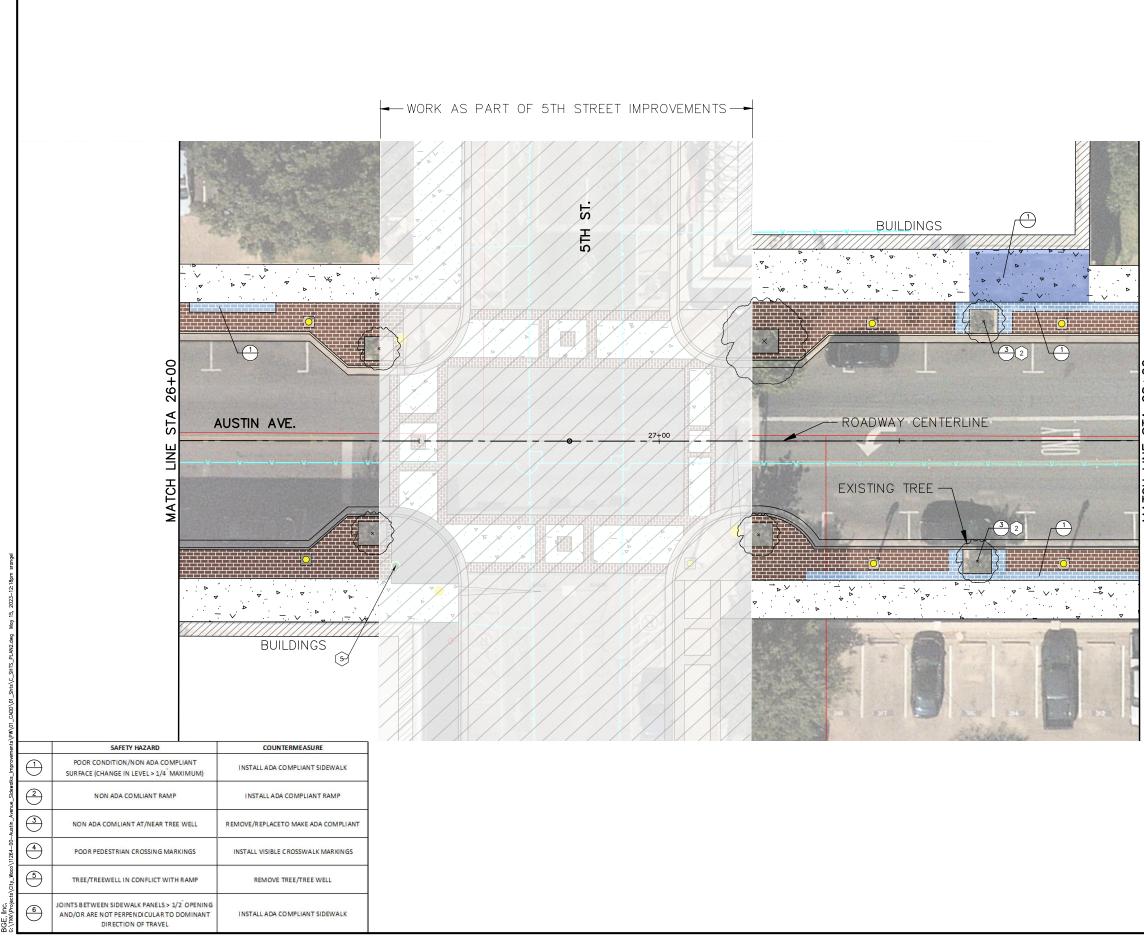


	LEG	end				
	EXISTING BRICK REMOVE AND F PAVERS (RE. D	ELA	PEC	DESTRI	AN BRI	ск
	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)					
	REMOVE AND F	REPLA	ACE (AND GU	UTTER
	(RE. DETAIL SH			JRNING	SPAC	E
	(RE. DETAIL SW	/-7)				
E COLORADO	REMOVE AND REPLACE CONCRETE SIDEWALK (RE. DETAIL SHT 216) AUDIBLE APS RETROFIT TO EXISTING PED					
	SIGNALS (RE. I				- ^^^)	
ss	WASTEWATER L					
w	WATERLINE (EX		-			
∽0	EXISTING LUMIN			METAL	POLE	
	EXISTING LUMIN	IARE				
	SHOEBOX FIXTU					
	EXISTING TRAS		1			
a	EXISTING FIRE					
X	EXISTING FIRE		ANT			
$\begin{pmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \end{pmatrix}$	BDEWALK REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN					
SUBM For pre Design	60% SUBMITTAL FOR PRELIMINARY DESIGN REVIEW				OF PRE RE NOT STRUCT SSUED THEY V ED AND LE ENGI , INC. RED EN F-1046	IN VILL BE DATED. NEER: GINEERING
REV.	DESCRIPTION			BY	1	DATE
	CITY OF	- W	/AC	0		
AUSTIN AV	ENUE SIDE	WA	LK	IMPF	ROVE	MENTS
PLAN SHEET STA 22+00 TO STA 24+00						
	GE, Inc. 10 N Pearl St., Suite 21 11: 469-621-3200 • ww 3PE Registration No, F	w.bgei				
DESIGNED: BGE			PR	OJECT	NO.	Sheet
DRAWN: BGE CHECKED: BGE	MAY 2023		1	1264–	00	111

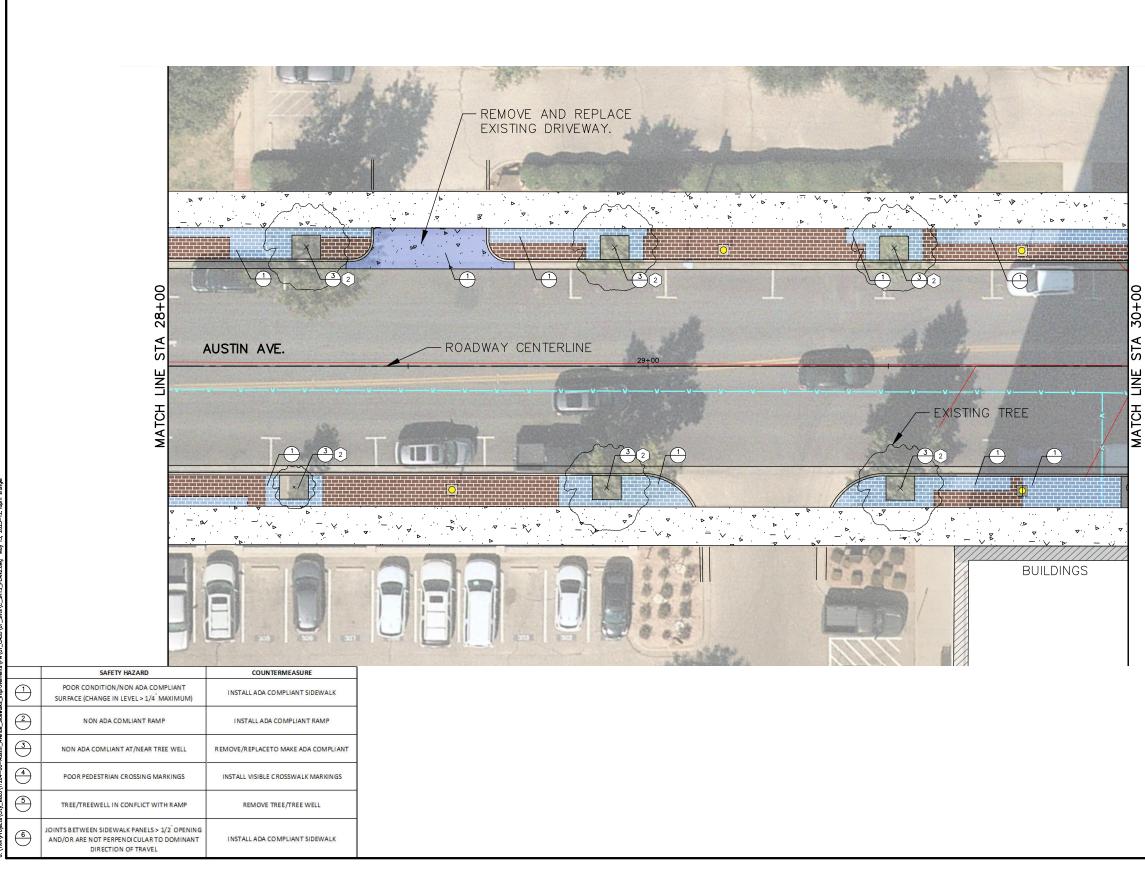


BGE, Inc.

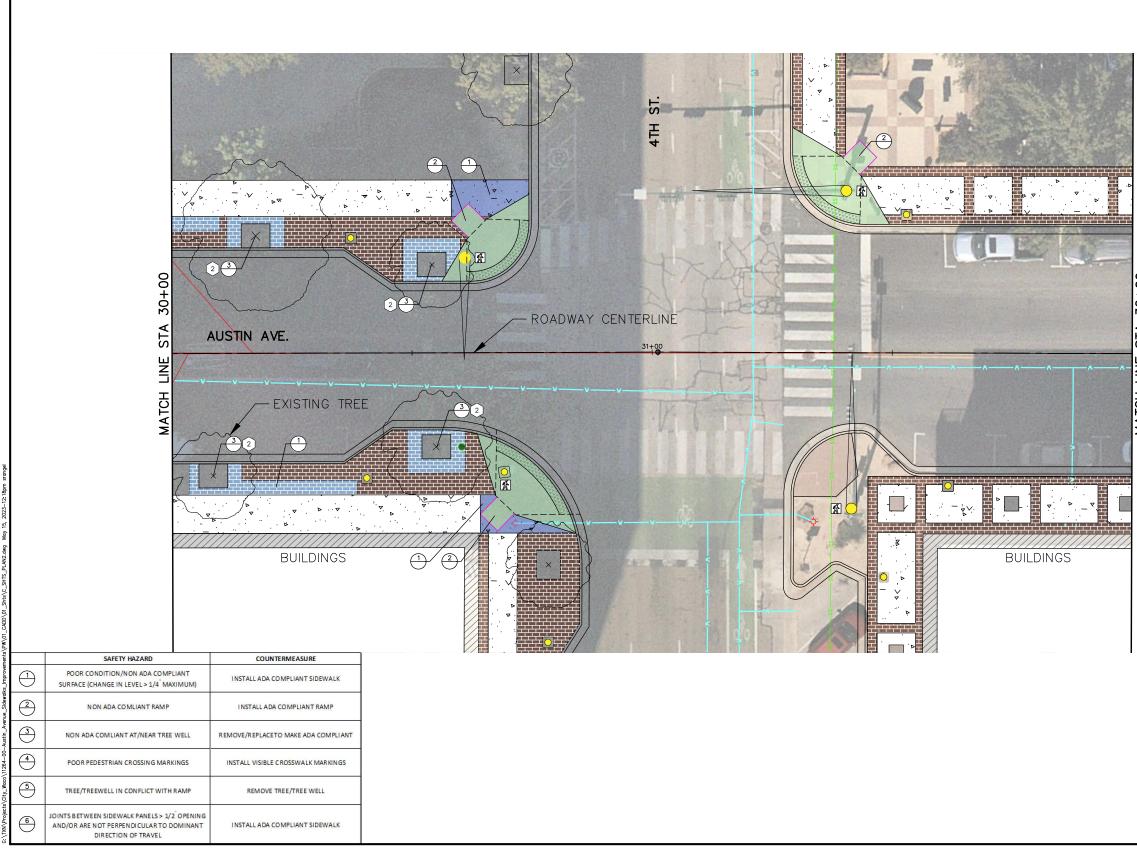
LEGEND							
	EXISTING BRICK	(PA	VERS TO RE	MAIN			
	REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)						
	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)						
	REMOVE AND F (RE. DETAIL SH			AND GU	JTTER		
	CURB RAMP LA (RE. DETAIL SV			SPAC	Ξ		
	EXISTING SIDEV REMOVE AND F (RE. DETAIL SH	REPL	ACE CONCRI		DEWALK		
T.	AUDIBLE APS F SIGNALS (RE. 1				PED		
	STORM DRAIN	(EXIS	TING)				
ss	WASTEWATER L	INE.	(EXISTING)				
w	WATERLINE (EX	ISTIN	G)				
~	EXISTING LUMIN	ARE	ON METAL	POLE			
\bigcirc	EXISTING LUMIN SHOEBOX FIXTU	IARE JRES	(ANTIQUE)	AND			
	EXISTING SIGNA	۸L					
۲	EXISTING TRAS	HCAN	I				
¤	EXISTING FIRE	HYDF	RANT				
$\begin{pmatrix} 1 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	SIDEWALK REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN						
60 SUBM For Pre Design	ITTAL Liminary review	TH RE'	ESE PLANS E PURPOSE /IEW AND AF FOR CON: WHEN I: FINAL FORM EALED, SIGN RESPONSIBI BGE	OF PRE RE NOT STRUCT SSUED THEY V ED AND LE ENGI , INC.	LIMINARY INTENDED ION. IN MILL BE DATED. NEER:		
	20		AS REGISTEI FIRM CLARK G AS REGISTR	F-1046 AUER, H	P.E.		
REV.	DESCRIPTION		May 15 BY	5, 2023	DATE		
CITY OF WACO							
AUSTIN AVENUE SIDEWALK IMPROVEMENTS							
PLAN SHEET STA 24+00 TO STA 26+00							
	3E, Inc. 0 N Pearl St., Suite 2 [∙] d: 469-621-3200 ● ww 3PE Registration No. F	/w.bge					
DESIGNED: BGE	DATE		PROJECT	NO.	Sheet		
DRAWN: BGE CHECKED: BGE	MAY 2023		11264–	00	112		



	LEGEND						
		REMOVE AND F	< PAVERS TO REMAIN RELAY PEDESTRIAN BRICK				
		PAVERS (RE. [CURB RAMP (S REMOVE EXISTI	PECI	L SHT 216) AL)(ADA) TO INCL RAMP, SIDEWALK, 1	UDE GUTTER,		
		ETC. (RE. DET		HT 218) ACE CURB AND GI	JTTER		
		(RE. DETAIL SH	IT 2				
		(RE. DETAIL S	V-7)	,	-		
	EXISTING SIDEWALK TO REMAIN REMOVE AND REPLACE CONCRETE SIDEWALK (RE. DETAIL SHT 216)						
	The second se			OFIT TO EXISTING IL XX SHEET XXX)			
		STORM DRAIN	(EXIS	TING)			
	ss	WASTEWATER L	INE.	(EXISTING)			
		WATERLINE (EX	ISTIN	IG)			
	¢ 0						
EXISTING SIGNAL							
	۲	EXISTING TRAS	HCAN	1			
	¤	EXISTING FIRE	HYDF	RANT			
		SIDE	WALK				
	1		REPL	ACE CURB AND G	JTTER		
2 TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220)					NCE		
	$\overline{3}$	TREE PRUNING	/TRIN	MING			
		(RE. DETAIL SH REMOVE EXISTI	NG T	REE WELL			
	4	(RE. DETAIL SH					
	5	REMOVE, REFU EXISTING TRAS	HCAN	1			
	60	%	TH	ESE PLANS ARE IS E PURPOSE OF PRE	ELIMINARY		
	SUBM			FOR CONSTRUCT WHEN ISSUED	ION. IN		
			s	FINAL FORM THEY EALED, SIGNED AND	DATED.		
	0 5 10	REVIEW 20	TE)	RESPONSIBLE ENG BGE, INC. (AS REGISTERED EN			
			TE>	FIRM F-1046 CLARK GAUER, AS REGISTRATION I	P.E.		
	REV.	DESCRIPTION		May 15, 2023 BY	DATE		
					DITL		
		CITY OI	- v	VACO			
	AUSTIN AVENUE SIDEWALK IMPROVEMENTS						
		PLAN Sta 26+00 t					
		GE, Inc.)0 N Pearl St., Suite 2 al: 469-621-3200 ● ww 3PE Registration No. f	/w.bge	inc.com			
	DESIGNED: BGE			PROJECT NO.	Sheet		
	DRAWN: BGE CHECKED: BGE	MAY 2023	_	11264-00	113		



LEGEND						
	EXISTING BRICK	(PA	VERS TO F	EMAIN		
	REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)					
	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)					
	REMOVE AND F			AND GU	JTTER	
	CURB RAMP LA (RE. DETAIL S)		NG/TURNIN	G SPAC	E	
	EXISTING SIDE	VALK	TO REMAI	N		
	REMOVE AND F (RE. DETAIL SF			RETE SI	DEWALK	
12	AUDIBLE APS I SIGNALS (RE. 1					
	STORM DRAIN	(EXIS	STING)			
ss	WASTEWATER L	INE.	(EXISTING)			
w	WATERLINE (EX	ISTIN	IG)			
~	EXISTING LUMIN	IARE	ON METAI	POLE		
0	EXISTING LUMIN SHOEBOX FIXT	IARE JRES	(ANTIQUE) AND		
	EXISTING SIGN	AL.				
۲	EXISTING TRAS	HCAN	N			
¤	EXISTING FIRE	HYDI	RANT			
$\begin{array}{c} 1 \\ \hline 2 \\ \hline 3 \\ \hline 4 \\ \hline 5 \\ \hline \end{array}$	REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN					
60 SUBM FOR PRE DESIGN		TH RE' S TE:	MEW AND A FOR COU WHEN FINAL FORM EALED, SIGI RESPONSIE BG KAS REGISTI FIRM CLARK (AS REGISTI May	OF PRE RE NOT VSTRUCT ISSUED I THEY N NED AND BLE ENG E, INC. IRED EN F-1046 GAUER, RATION 1 15, 2023	ELIMINARY INTENDED ION. IN MILL BE DATED. INEER: GINEERING D. P.E. NO. 80599	
REV.	DESCRIPTION		BY		DATE	
	CITY OI	= v	VACO			
AUSTIN AV	ENUE SIDE	WA	LK IMP	ROVE	MENTS	
PLAN SHEET STA 28+00 TO STA 30+00						
	BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tei: 469-621-3200 • www.bgeinc.com TBPE Registration No. F-1046					
DESIGNED: BGE	DATE		PROJEC	T NO.	Sheet	
DRAWN: BGE CHECKED: BGE	MAY 2023		11264-	-00	114	



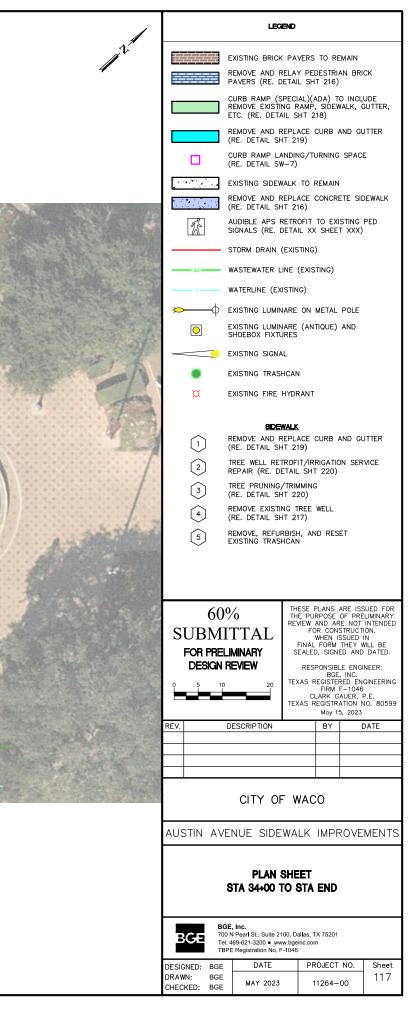
	LEG	end				
	EXISTING BRICK	PAVE	RS TO RE	MAIN		
	REMOVE AND F PAVERS (RE. D			N BRI	СК	
CURB RAMP (SPECIAL)(ADA) TO INCLUE REMOVE EXISTING RAMP, SIDEWALK, GU ETC. (RE. DETAIL SHT 218)					UDE GUTTER,	
	REMOVE AND F (RE. DETAIL SH			ND GU	UTTER	
	CURB RAMP LA (RE. DETAIL SV	NDING, V-7)	/TURNING	SPAC	E	
EXISTING SIDEWALK TO REMAIN REMOVE AND REPLACE CONCRETE SIDEWALK (RE. DETAIL SHT 216)						
The second se	AUDIBLE APS F SIGNALS (RE. 1					
	STORM DRAIN	(EXISTI	NG)			
SS	WASTEWATER L	INE (E)	KISTING)			
w	WATERLINE (EX	ISTING)				
> \$	EXISTING LUMIN					
\bigcirc	EXISTING LUMIN SHOEBOX FIXTU	IARE (<i>I</i> JRES	ANTIQUE)	AND		
	EXISTING SIGNA	L				
۲	EXISTING TRAS	HCAN				
¤	EXISTING FIRE	HYDRAI	NT			
BDEWALK 1 REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) 2 TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) 3 TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) 4 REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) 5 REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN						
SUBM FOR PRE	LIMINARY REVIEW	THE REVIE FIN SEA R TEXAS	E PLANS A PURPOSE (W AND ARI) FOR CONS WHEN IS IAL FORM I LED, SIGNE ESPONSIBL BGE, S REGISTER FIRM F CLARK G S REGISTRA May 15	DF PRE E NOT STRUCT SUED THEY V D AND E ENG INC. ED EN -1046 AUER, H	LIMINARY INTENDED ION. IN WILL BE DATED. NEER: GINEERING P.E.	
REV.	DESCRIPTION		BY	1	DATE	
	CITY OF	- WA	CO			
AUSTIN AV	ENUE SIDE	WALł	< IMPR	OVE	MENTS	
	AUSTIN AVENUE SIDEWALK IMPROVEMENTS PLAN SHEET STA 30+00 TO STA 32+00					
	GE, Inc. 00 N Pearl St., Suite 2 ⁻ al: 469-621-3200 ● ww 3PE Registration No. F	w.bgeinc.				
DESIGNED: BGE DRAWN: BGE			PROJECT	NO.	Sheet 115	
CHECKED: BGE	MAY 2023		11264-0	00		

	32+00		T				34+00
	MATCH LINE STA	AUSTIN AVE.	AAAAAAAAAA_	33+00	- ROADWAY CEN	TERLINE	MATCH LINE STA
15, 2023–12:18pm srangel							
s\pw\oi_cadd\oi_shis\c_shis_planz.dwg_may	BU	UILDINGS			N N N		
	SAFETY HAZARD POOR CONDITION/NON ADA COMPLIANT SURFACE (CHANGE IN LEVEL > 1/4 [°] MAXIMUM)	COUNTERMEASURE					
ue_Sidewalks		INSTALLADA COMPLIANT RAMP					
-Austin_Avenu		REMOVE/REPLACETO MAKE ADA COMPLIANT					
°\11264-00-,		INSTALL VISIBLE CROSSWALK MARKINGS					
ts/City_Waco	TREE/TREEWELL IN CONFLICT WITH RAMP	REMOVE TREE/TREE WELL					
G: \TXN\Project	JOINTS BETWEEN SIDEWALK PANELS > 1/2 [°] OPENING AND/OR ARE NOT PERFENDICULAR TO DOMINANT DIRECTION OF TRAVEL						

LEGEND							
	EXISTING BRICK	(PA	VERS TO REM	AIN			
REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)							
	CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC. (RE. DETAIL SHT 218)						
	REMOVE AND F (RE. DETAIL SH			ID GL	JTTER		
	CURB RAMP LA (RE. DETAIL SV	ANDIN V—7)	NG/TURNING	SPAC	Ξ		
	EXISTING SIDEV REMOVE AND F			FSI)FWALK		
r i i i i i i i i i i i i i i i i i i i	(RE. DETAIL SH AUDIBLE APS F SIGNALS (RE. I	HT 2' RETR	16) OFIT TO EXIS ⁻	TING			
	STORM DRAIN			,			
SS	WASTEWATER L	.INE	(EXISTING)				
w	WATERLINE (EX	ISTIN	IG)				
~	EXISTING LUMIN	ARE	ON METAL P	OLE			
	EXISTING LUMIN SHOEBOX FIXTU	IARE JRES	(ANTIQUE) A	ND			
	EXISTING SIGNA	٩L					
۲	EXISTING TRAS	HCAN	1				
¤	EXISTING FIRE	HYDF	RANT				
$\begin{pmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \end{pmatrix}$	BDEWALK REMOVE AND REPLACE CURB AND GUTTER (RE. DETAIL SHT 219) TREE WELL RETROFIT/IRRIGATION SERVICE REPAIR (RE. DETAIL SHT 220) TREE PRUNING/TRIMMING (RE. DETAIL SHT 220) REMOVE EXISTING TREE WELL (RE. DETAIL SHT 217) REMOVE, REFURBISH, AND RESET EXISTING TRASHCAN						
SUBM For pre	0% ITTAL LIMINARY REVIEW	TH RE ^V S TE	ESE PLANS AF E PURPOSE OF FOR CONST WHEN ISS FINAL FORM TI EALED, SIGNED RESPONSIBLE BGE, (AS REGISTERE FIRM F- CLARK GAL (AS REGISTRAT May 15,	F PRE NOT RUCT UED HEY V AND ENGI INC. ID EN -1046 JER, 1 10N N	LIMINARY INTENDED ION. IN WILL BE DATED. NEER: GINEERING		
REV.	DESCRIPTION		BY	1	DATE		
	CITY OF	- v	VACO				
AUSTIN AV	AUSTIN AVENUE SIDEWALK IMPROVEMENTS						
PLAN SHEET STA 32+00 TO STA 34+00							
BGE, Inc. Tol: N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621.3200 • www.bgeinc.com TelPE Registration No. F-1046							
DESIGNED: BGE			PROJECT N	10.	Sheet		
DRAWN: BGE CHECKED: BGE	MAY 2023		11264-0	D	116		

NCSH15LVAKZ049 MOV 15, 2025-12:16pm songel		MATCH LINE STA 34+00	AUSTIN AVE. ROADWAY CENTERLINE 34%
s\PW\01_CADU\01_Shts\C_SH1S_Pt			
ovement		COUNTERMEASURE	
ks_mpr	POOR CONDITION/NON ADA COMPLIANT SURFACE (CHANGE IN LEVEL > 1/4 MAXIMUM)	INSTALLADA COMPLIANT SIDEWALK	
le –	2 NON ADA COMLIANT RAMP	INSTALLADA COMPLIANT RAMP	
-Austin_4	3 NON ADA COMLIANT AT/NEAR TREE WELL	REMOVE/REPLACETO MAKE ADA COMPLIANT	
≈—	POOR PEDESTRIAN CROSSING MARKINGS	INSTALL VISIBLE CROSSWALK MARKIN GS	
s\city_₩	5 TREE/TREEWELL IN CONFLICT WITH RAMP	REMOVE TREE/TREE WELL	
	JOINTS BETWEEN SIDEWALK PANELS > 1/2 [°] OPENING AND/OR ARE NOT PERPENDICULAR TO DOMINANT DIRECTION OF TRAVEL	INSTALL ADA COMPLIANT SIDEWALK	

BGE.



	Standard Specifications		Chandrand				
Construction Operation	Material Specs	Construction Specs	Standard Details	Applicable Testing	Frequency of Testing		
(Fill) Embankment		Section 1.5, Part 2		Standard Proctor & field densities	Proctor for each material to be used. Densities to be project specific		
Excavation & Backfill (Trenching Operations)	Section 4.2, Part 2	Section 4.2, Part 3					
Embedment	Section 4.2, Part 2.A.1, & Part 2.A.2	Section 4.2, Part 3.A.5	G-8 & G-7	Gradations, Atterberg Limits, Standard Proctor, Field Densities	Gradation, Atterberg Limits, and Proctor at beginning of project on material submitted for use and at anytime there is an apparent change in material. Densities to be project specific.		
Trench Backfill	Section 4.2, Part 2.A.3	Section 4.2, Part 3.A.5	G-9 & G-7	Gradations, Atterberg Limits, Standard Proctor, Field Densities	Gradation, Atterberg Limits, and Procto at beginning of project on material submitted for use and at anytime there is an apparent change in material. Densities: 4 in first 100 LF and 2 even additional 500 LF. Additional densities required if compaction fails to meet specifications.		
Flowable Fill (Controlled Low Strength Material)	Section 4.2, Part 2.A.3(f)	Section 4.2, Part 2.A.3(f)	G-9 Note 7 & G-7 Note 3	Consistency, Compressive strength ASTM D4832	Consistency and Compressive Strength ever 300 LF of trench backfilled.		
Subgrade	Testing - Section 2.6						
Stabilization Determination			ST-2 & ST-4	Atterberg Limits to determine if stabilization is necessary, pH to determine amount of lime needed to stabilize	City Projects: Preliminary determined duri design. Every 600 LF maximum along CL street after mass grading. Subdivisions: Every 600 LF maximum alo CL of street after mass grading.		
Lime Treatment	Section 2.4, Part 2	Section 2.4, Part 3	ST-2 & ST-4	Gradations, Standard Proctor, Moisture Bias Calculations, Field Densities	Initial gradations performed to determine mixing pattern. Standard Proctor perform on each material that is visibly different. Densities performed at a rate of one per 300 LF of paving for two lanes.		
Portland Cement Treatment	Section 2.2.B, Part 2	Section 2.2.B, Part 3		Unconfined Compressive Strength	1 sample per day of operations		
Reclamation	Section 2.3.D, Part 2	Section 2.3.D, Part 3		Refer to either Lime Treatment or Portland Cement Treatment	Refer to either Lime Treatment or Portland Cement Treatment		
Existing Material		Section 2.2, Part 3		Standard Proctor, Field Densities	Standard Proctor performed on each visibly different material. Densities performed at a rate of one per 300 LF of paving for two lane		
Base Course	Testing - Section 2.6						
Gravel Base Course	Section 2.3, Part 2	Section 2.3, Part 3		Gradations, Atterberg Limits, Standard Proctor, Field Densities	Gradation, Atterberg Limits, and Proctor beginning of project on material submitt for use and at any time there is an appar change in material. Densities to be project specific.		
Flexible Base	Section 2.3.B, Part 2	Section 2.3.B, Part 3		Gradations, Atterberg Limits, Standard Proctor, Field Densities	Gradation, Atterberg Limits, and Proctor beginning of project on material submitte for use and at any time there is an appare change in material. Densities to be project specific.		
Cement Treated Base (Pug Base)	Section 2.3.C, Part 2	Section 2.3.C, Part 3	ST-2	Unconfined Compressive Strength	1 sample per day of operations		
	NEERING		NO.	REVISION COMMENTS	S DATE DATE 01/31/2022		
DIV	ISION			E STD DETAILS AND FREQ OF	TESTING MZ 02/01/2022 G-1A		

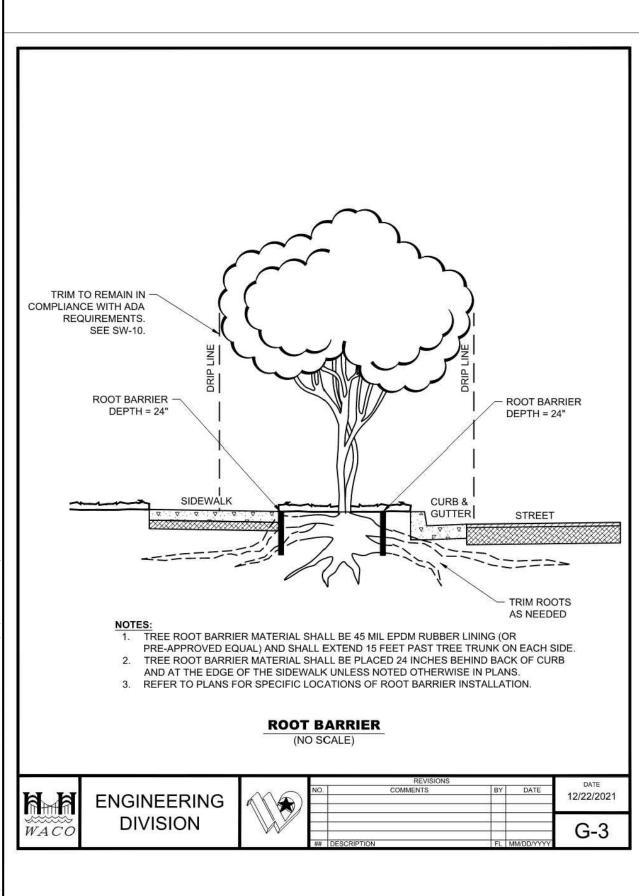
CONSTRUCTION MATERIAL SAMPLING AND TESTING MATRIX

	Standard Sp	ecifications	Standard		Freque	
Construction Operation	Material Specs	Construction Specs	Details	Applicable Testing		
Surface Course	Testing - Section 3.7					
Hot-Mix Asphaltic Concrete Pavement	Section 3.3, Part 2	Section 3.3, Part 3	ST-2, ST-3	Extraction, Gradation, Stability & Flow, Densities	1 sample Densities	
Portland Cement Concrete Pavement	Section 3.6, Part 2	Section 3.6, Part 3	ST-1, ST-4, ST-6 thru ST-9, G-7	Air Content, Slump, Compressive Strength	1 set o but no	
Concrete	Testing - Section 5.6					
Curb and Gutter	Section 5.1, Part 2 & 3	Section 5.3, Part 3	ST-1, ST-7,ST-15 thru ST-20, G-7	Slump, Compressive Strength		
Drive Approach	Section 5.1, Part 2 & 3	Section 5.4, Part 3	ST-1, ST-23A thru ST-24B, ST-26, G-7	Slump, Compressive Strength		
Valley & Fillet	Section 5.1, Part 2 & 3		ST-1, ST-18, ST-19, G-7	Slump, Compressive Strength		
Sidewalk, Curb Ramps, & Architectural Retaining Walls	Section 5.1, Part 2 & 3	Section 5.4, Part 3	ST-1, SW-1 thru SW-19, SW-21, G-7	Slump, Compressive Strength	On pla pla	
Concrete Lined Channel	Section 5.1, Part 2 & 3		SD-1, SD-14, G-7	Slump, Compressive Strength	pia pia (m	
Cast-In-Place Sanitary Sewer Manholes	Section 5.1, Part 2 & 3	Section 4.8, Part 3.A.3	S-5 Note 16, S-13, G-7	Air, Slump, Compressive Strength	*E s	
Storm Sewer Manholes	Section 5.1, Part 2 & 3		SD-1, SD-10 thru SD-13 G-7	Air, Slump, Compressive Strength		
Inlets	Section 5.1, Part 2 & 3		SD-1 thru SD-7 G-7	Air, Slump, Compressive Strength		
Concrete Medians	Section 5.1, Part 2 & 3	Section 5.1, Part 3	ST-5, G-7	Slump, Compressive Strength		
Reinforced Concrete Headers	Section 5.1, Part 2 & 3	Section 5.1, Part 3	G-7	Slump, Compressive Strength		
Concrete Steps	Section 5.1, Part 2 & 3	Section 5.1, Part 3	G-7	Slump, Compressive Strength		
Retaining Walls (Structural)	Section 5.1, Part 2 & 3	Section 5.1, Part 3	G-7	Air, Slump, Compressive Strength	One	



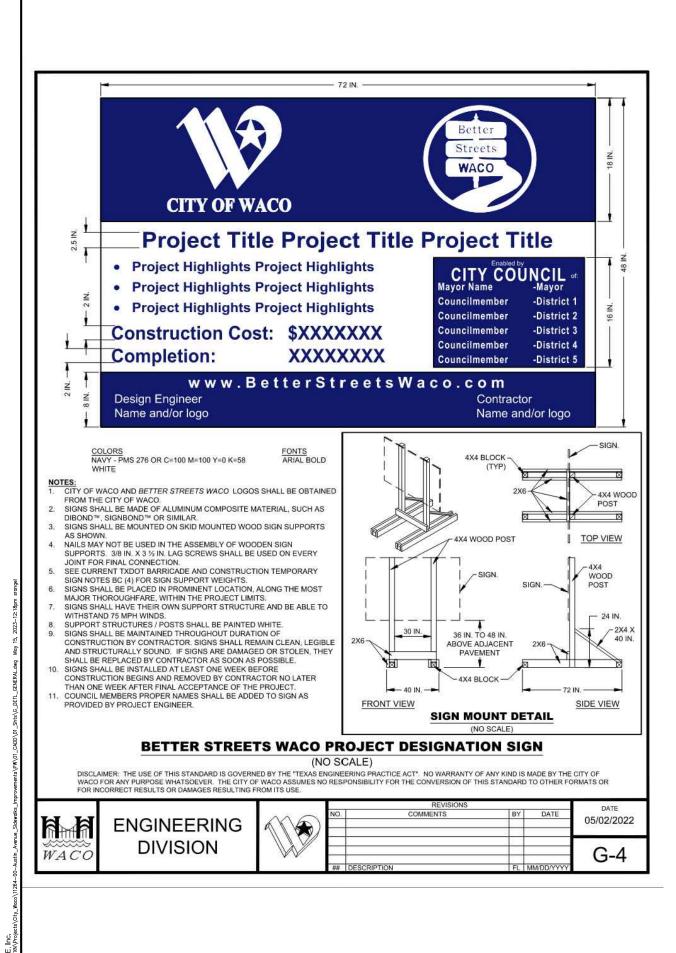
nc. rojects/City_Moco/11264-00-Austin_Avenue_Sideralks_Improvements/PW/01_CADD/01_Shts/C_DETL_CEVERAL.dwg .May 15, 2023-12.18pm scargel

	_						
- 2 OF 2							
uency of Testing							
e per day of paving operations. es - one per 600 LF of paving. et of 4 cylinders per 150 CY no less than 2 sets per day							
Dne set of 4 cylinders per placement for the first 5 blacements then one set for every other placement thereafter. (max. of 2 sets per day) "Different trucks on the same site at different times of the day constitute different placements.		60% UBMITTAJ FOR PRELIMINARY DESIGN REVIEW		HE PUI IVIEW FINAL SEALED RESI XAS R	RPOSE AND AR R CONS FORM), SIGNE BGE, EGISTEF FIRM I ARK G. EGISTR/	OF PRE E NOT STRUCTI SSUED I THEY W D AND E ENGII INC. ED ENG F-1046 AUER, F ATION N 5, 2023	N ILL BE DATED. NEER: GINEERING
e set per placement							
ВУ DATE 01/31/2022 MZ 02/01/2022 FL MM/DD/YYYY	CITY OF WACO AUSTIN AVENUE SIDEWALK IMPROVEMENTS STANDARD DETAILS GENERAL SHEET 1 OF 4						
	В	CE 700 N Pearl St., St Tel: 469-621-3200 TBPE Registration	 www.bg 	einc.cor			
	DESIG DRAW CHEC	I MAY 2			0JECT 1264-		Sheet 201

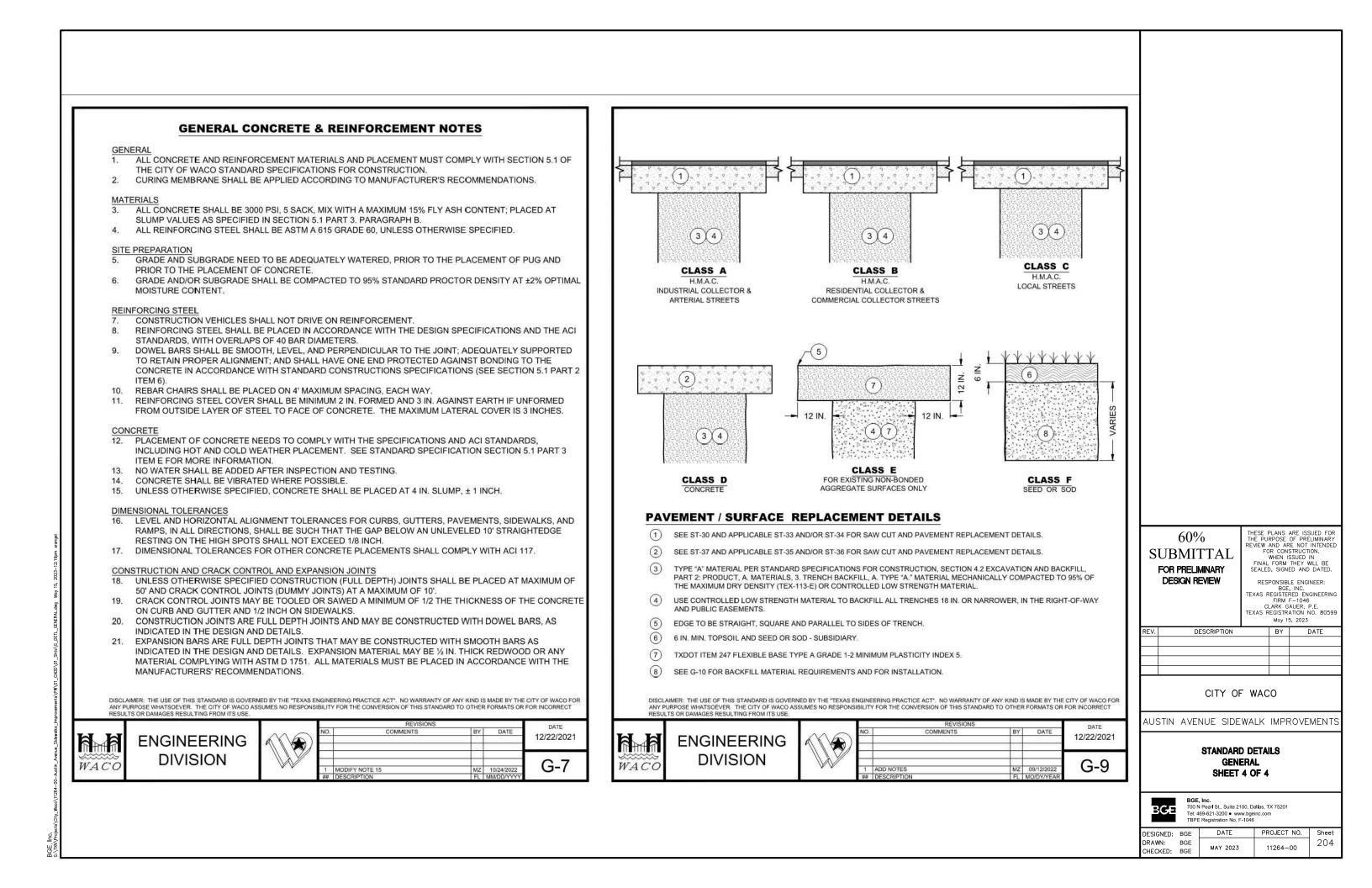


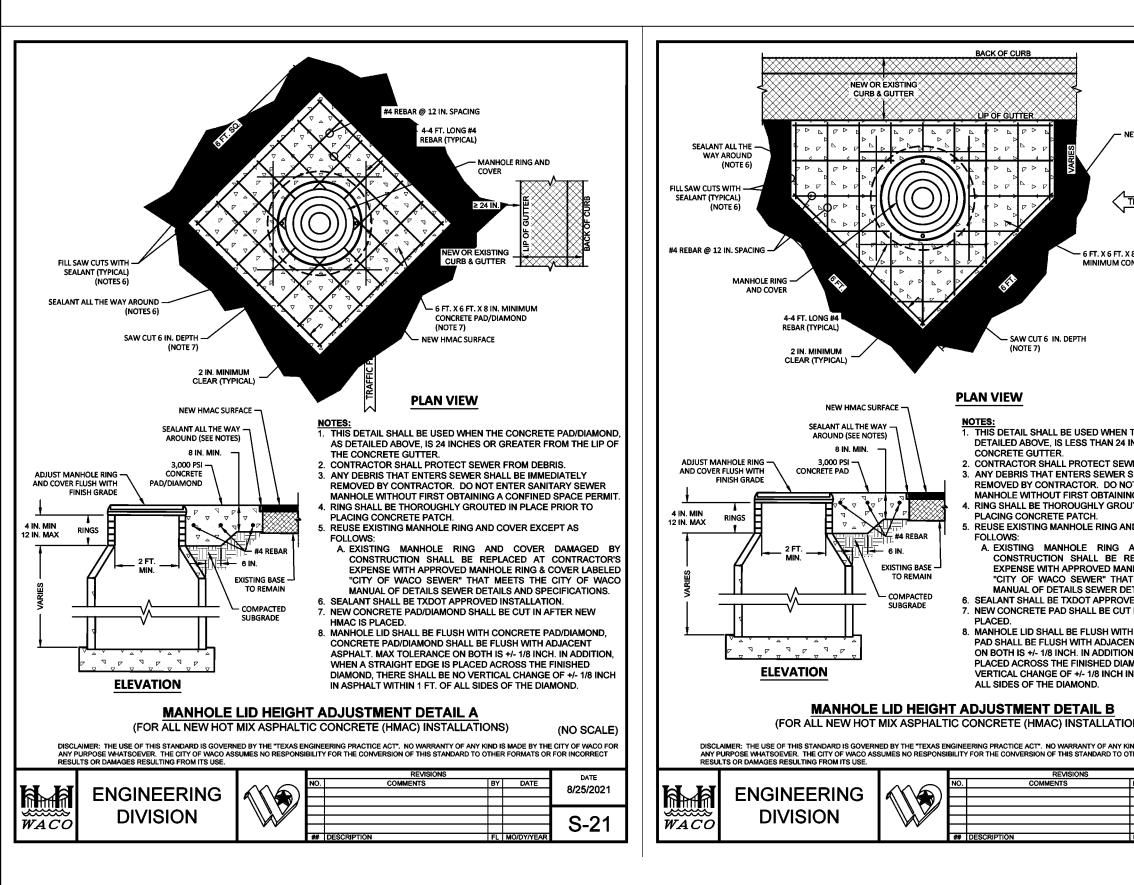


60% SUBMITTAL	ARY DED					
FOR PRELIMINARY DESIGN REVIEW FINAL FORM THEY WILL BE SEALED, SIGNED AND DATE BGE, INC. TEXAS REGISTERED ENGINEER: BGE, INC. TEXAS REGISTERED ENGINEER FIRM F-1046 CLARK GAUER, P.E. TEXAS REGISTRATION NO. 80 Mgy 15, 2023 REV. DESCRIPTION BY DATE	D. RING					
REV. DESCRIPTION BY DATE						
CITY OF WACO						
AUSTIN AVENUE SIDEWALK IMPROVEMEN	ITS					
STANDARD DETAILS GENERAL SHEET 2 OF 4						
BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 ● www.bgeinc.com TBPE Registration No. F-1046	Totol No. No. </th					
DESIGNED: BGE DATE PROJECT NO. She DRAWN: BGE CHECKED: BGE MAY 2023 11264-00 2C						



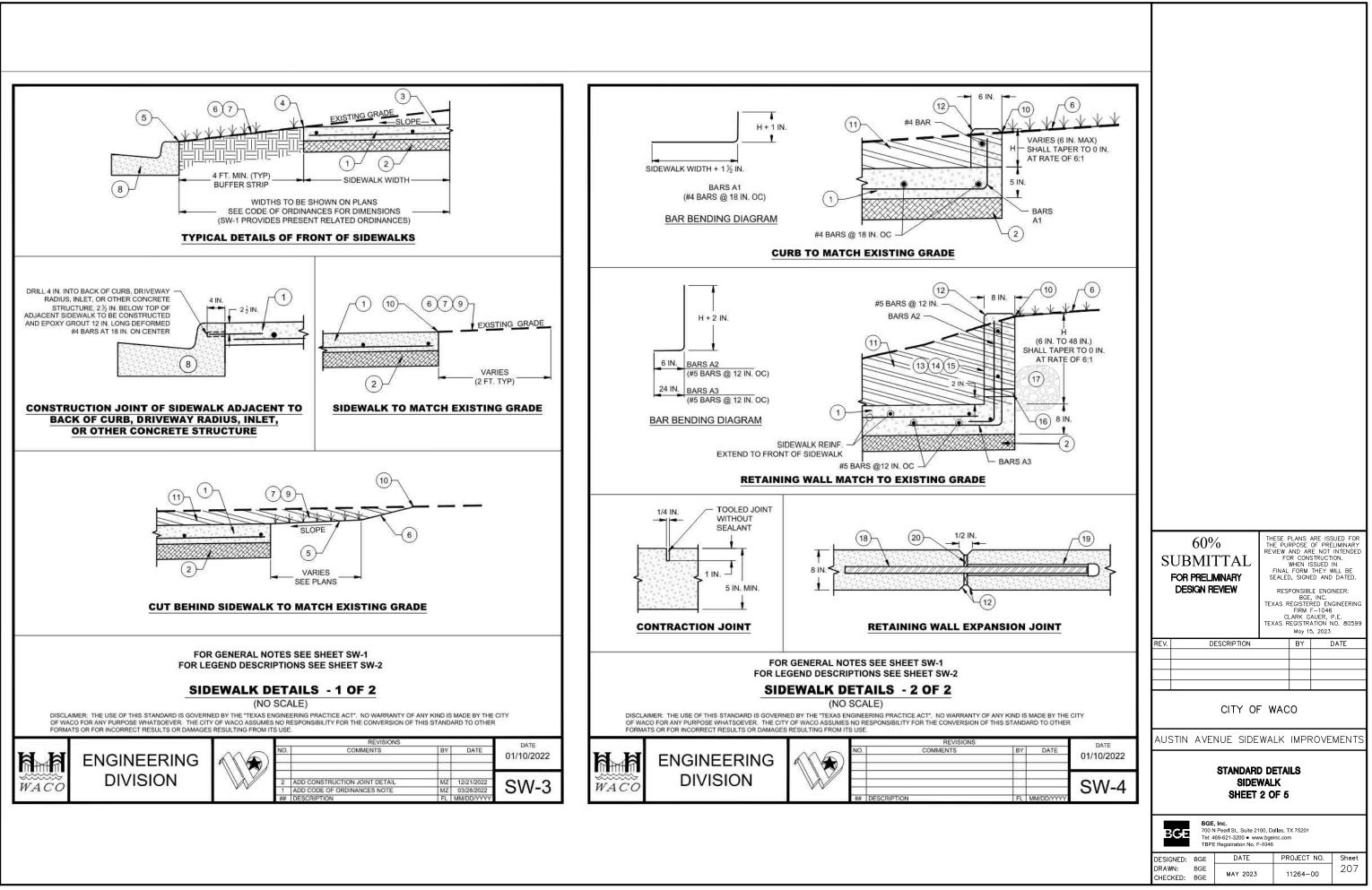
	60%		THE	PURPOSE	OF PRE	SUED FOR ELIMINARY INTENDED
FC	or Preli Design R		FI SE/ I	FOR COI WHEN NAL FORM ALED, SIG RESPONSII BG S REGIST FIRM CLARK S REGIST	NSTRUCT ISSUED 1 THEY 1 NED ANE BLE ENG ERED EN F-1046 GAUER, RATION I 15, 2023	10N. IN MLL BE D DATED. INEER: IGINEERING DEE. NO. 80599
			- \\\/	A C O		
CITY OF WACO AUSTIN AVENUE SIDEWALK IMPROVEMENTS						
STANDARD DETAILS GENERAL SHEET 3 OF 4						
BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tei: 469-621-3200 • www.bgeinc.com TBPE Registration No. F-1046						
DESIGNE DRAWN: CHECKEI	D: BGE BGE D: BGE	DATE MAY 2023		PROJEC		Sheet 203





EW HMAC SURFACE TRAFFIC FLOW SIN NCRETE PAD THE CONCRETE PAD, AS NCHES FROM THE LIP OF THE AER FROM DEBRIS. SHALL BE IMMEDIATELY							
ID COVER EXCEPT AS AND COVER DAMAGED BY EPLACED AT CONTRACTOR'S HOLE RING & COVER LABELED MIDDLE RING & COVER LABE	ITENDED N. L BE DATED. EER: NEERING						
ICONCRETE PAD, CONCRETE CLARK GAUER, P.C. NT ASPHALT. MAX TOLERANCE TEXAS REGISTRATION NO. Moy 15, 2023 Moy 15, 2023 MOND, THERE SHALL BE NO REV. N ASPHALT WITHIN 1 FT. OF Image: Clark Gauer, P.C.							
DNS) (NO SCALE) ND IS MADE BY THE CITY OF WACO FOR THER FORMATS OR FOR INCORRECT ALICTING AVENUE, SIDE WALK, INDODOVEM							
BY DATE 8/25/2021 STANDARD DETAILS	AUSTIN AVENUE SIDEWALK IMPROVEMENTS						
FL MO/DY/YEAR S-22 SANITARY SEWER							
BGE, Inc. 700 N Pearl St., Suite 2100, Dalas, TX 75201 Tel: 469-621-3200 • www bgeinc.com TBPE Registration No, F-1046	BCE 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgeinc.com						
DESIGNED: BGE DATE PROJECT NO. DRAWN: BGE CHECKED: BGE MAY 2023 11264-00	Sheet 205						

<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	BIDEWALK DETAILS LECEND (1) SIN 300 PSI CONCRETE WITH REBAR CHARS AT 48 N DOEM MAX. SDEWALK SHALL BE 5 M. THICK WHEN ALMACHT TO RETAINING WILLS UNLESS OTHERWISE NOTES. SDEWALK REINFORCEMENT SHALL BE 4 ARS @ (2) AINCH DAST. TYRE 'N MATERIAL PER STANDARD SPECIFIC/DATE ON CONSTRUCTION SECTION 4.2 EXCAUNTION CONSTRUCTION DEPARTICIES TO SECTION 4.2 EXCAUNTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION SECTION 4.2 EXCAUNTION	60% THESE PLANS ARE ISSUED FOR SUBMITTAL FRAME MARKAN AND ARE NOT INTERDED FOR FRIELMINARY FRAME AND ARE NOT INTERDED DESIGN REVIEW FRAME AND ARE NOT INTERDED REV. DESCRIPTION DESCRIPTION BY DESCRIPTION BY CITY OF WACO AUSTIN AVENUE SIDEWALK IMPROVEMENTS STANDARD DETAILS SIDEWALK SHEET 1 OF 5
ENGINEERING DIVISION NO. COMMENTS BY DATE 01/10/2022 2 REVISE NOTE 17 MZ 12/21/2022 SW-1	Image: Second	SIDEWALK
		BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tet: 48-621-3200 • www.bgeinc.com TBPE Registration No. F-1046 DESIGNED: BGE DATE PROJECT NO. Sheet 206 DRAWN: BGE MAY 2023 11264-00 206



CURB RAMPS GENERAL NOTES - 1 OF 2

CURB RAMPS

- 1. INSTALL A CURB RAMP OR BLENDED TRANSITION AT EACH PEDESTRIAN STREET CROSSING.
- 2. ALL SLOPES SHOWN ARE MAXIMUM ALLOWABLE. CROSS SLOPES OF 1.5% OR LESS (RUNNING) SHOULD BE USED. ADJUST CURB RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.
- MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACES IS 2%.
- THE MINIMUM SIDEWALK WIDTH IS 5 FT.. WHERE THE SIDEWALK IS ADJACENT TO THE BACK OF CURB, A 6 FT. SIDEWALK WIDTH IS DESIRABLE. WHERE A 5 FT. SIDEWALK CANNOT BE PROVIDED DUE TO SITE CONSTRAINTS, SIDEWALK WIDTH MAY BE REDUCED TO 4 FT. FOR SHORT DISTANCES, 5 FT.X 5 FT. PASSING AREAS AT INTERVALS NOT TO EXCEED 200 FT. ARE REQUIRED.
- 5. TURNING SPACES SHALL BE 5 FT.X 5 FT. MINIMUM. CROSS SLOPE SHALL BE MAXIMUM 2%.
- 6. CLEAR SPACE AT THE BOTTOM OF CURB RAMPS SHALL BE A MINIMUM OF 4 FT.X 4 FT. WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
- PROVIDE FLARED SIDES WHERE THE PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP. FLARED SIDES SHALL BE SLOPED AT 10% MAXIMUM, MEASURED PARALLEL TO THE CURB. RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, EITHER BECAUSE THE ADJACENT SURFACE IS PLANTED, SUBSTANTIALLY OBSTRUCTED, OR OTHERWISE PROTECTED.
- ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE LATEST DRAFT OF THE PROPOSED GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT OF WAY (PROWAG) AS PUBLISHED BY THE U.S. ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD (ACCESS BOARD).
- 9. TO SERVE AS A PEDESTRIAN REFUGE AREA, THE MEDIAN SHOULD BE A MINIMUM OF 6 FT. WIDE, MEASURED FROM BACK OF CURBS. MEDIANS SHOULD BE DESIGNED TO PROVIDE ACCESSIBLE PASSAGE OVER OR THROUGH THEM.
- 10. SMALL CHANNELIZATION ISLANDS, WHICH DO NOT PROVIDE A MINIMUM 5 FT.X 5 FT. LANDING AT THE TOP OF CURB RAMPS, SHALL BE CUT THROUGH LEVEL WITH THE SURFACE OF THE STREET
- 11. CROSSWALK DIMENSIONS, CROSSWALK MARKINGS AND STOP BAR LOCATIONS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS. AT INTERSECTIONS WHERE CROSSWALK MARKINGS ARE NOT REQUIRED. CURB RAMPS SHALL ALIGN WITH THEORETICAL CROSSWALKS UNLESS OTHERWISE DIRECTED
- 12. PROVIDE CURB RAMPS TO CONNECT THE PEDESTRIAN ACCESS ROUTE AT EACH PEDESTRIAN STREET CROSSING. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS.
- 13. SIDEWALKS WILL BE MEASURED BY THE SQUARE YARD OF SURFACE AREA. CURB RAMPS WILL BE MEASURED BY THE SQUARE YARD OF SURFACE AREA OR BY EACH. A CURB RAMP CONSISTS OF THE RAMP, LANDING(S), ADJACENT FLARES OR SIDE CURB, AND DETECTABLE WARNING SURFACE AS SHOWN ON THE PLANS. THE WORK PERFORMED AND MATERIALS FURNISHED IN ACCORDANCE WITH THIS ITEM AND MEASURED AS PROVIDED ABOVE WILL BE PAID FOR AT THE UNIT PRICE BID FOR "CONCRETE I TYPE SPECIFIED. THIS PRICE IS FULL COMPENSATION FOR SURFACE PREPARATION OF SIDEWALK AND DISPOSAL OF EXISTING CONCRETE: EXCAVATION, HAULING AND DISPOSAL OF EXCAVATED M EXISTING CONCRETE CURB, SIDEWALK, AND PAVEMENT: REPAIR OF ADJACENT STREET OF PAVEN OPERATIONS; AND EQUIPMENT, LABOR, MATERIALS, TOOLS, AND INCIDENTALS.
- 14. PLACE CONCRETE AT A MINIMUM DEPTH OF 5 IN. FOR RAMPS, FLARES AND LANDINGS, UNLESS OT
- 15. FURNISH AND INSTALL #4 REINFORCING STEEL BARS AT 18 IN. O.C. BOTH WAYS, UNLESS OTHERWI
- 16. PROVIDE A SMOOTH TRANSITION WHERE THE CURB RAMPS CONNECT TO THE STREET.
- 17. CURBS SHOWN ON SHEET SW-7 WITHIN THE LIMITS OF PAYMENT ARE CONSIDERED PART OF THE CURB RAMP FOR PAYMENT, WHETHER IT IS CONCRETE CURB, GUTTER, OR COMBINED CURB AND GUTTER
- 18. EXISTING FEATURES THAT COMPLY WITH APPLICABLE STANDARDS MAY REMAIN IN PLACE UNLESS OTHERWISE SHOWN ON THE PLANS.

SIDEWALKS" AND "CURB RAMPS" OF THE (FOUNDATION; MATERIALS; REMOVAL IATERIAL; DRILLING AND DOWELING INTO MENT STRUCTURE DAMAGED BY THESE	
HERWISE DIRECTED.	
ISE DIRECTED.	
LEGEND	
ANTING OR NON-WALKING	

RAMP LIMITS OF PAYMENT

SHOWS DOWNWARD SLOPE.

SURFACE NOT PART OF PEDESTRIAN CIRCULATION PATH. DETECTABLE WARNING SURFACE 翻翻 PREFERRED LOCATION OF PEDESTRIAN PUSH BUTTON IF X APPLICABLE. GUTTER LINE ---GRADE BREAK

ŧ

DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF WACO FOR ANY PURPOSE WHATSOEVER. THE CITY OF WACO ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE

				REVISIONS			DATE	
			NO.	COMMENTS	BY	DATE		
ย ย	ENGINEERING						01/10/2022	
	DIVISION							
WACO	DIVISION							
MACO		**					200-2 I	
			ŧ	DESCRIPTION	FL	MM/DD/YYYY		

CURB RAMPS GENERAL NOTES - 2 OF 2

DETECTABLE WARNING MATERIAL

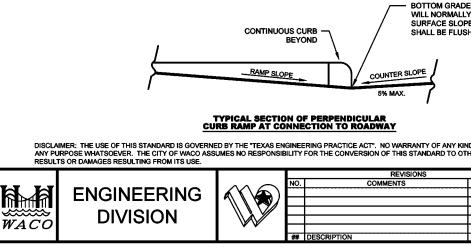
- 1. CURB RAMPS MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSISTS OF RAISED TRUNCATED PROWAG. THE SURFACE MUST CONTRAST VISUALLY WITH ADJOINING SURFACES, INCLUDING SIDE FLARES
- 2 DETECTABLE WARNING MATERIALS MUST MEET TXDOT DEPARTMENTAL MATERIALS SPECIFICATION DMS 43 MATERIAL PRODUCER LIST AND SHALL BE UNIT PAVER DETECTABLE WARNING SYSTEMS. INSTALL PRODUC MANUFACTURER'S SPECIFICATIONS.
- 3. DETECTABLE WARNING SURFACES MUST BE FIRM. STABLE AND SLIP RESISTANT
- DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24 IN. IN DEPTH IN THE DIRECTION OF PEDESTF FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STRE
- DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS AT END OF THAT EDGE IS GREATER THAN 5 FEET FROM THE BACK OF CURB. DETECTABLE WARNING SURFACE CORNER RADIUS
- 6. SHADED AREAS ON SHEET SW-7 INDICATE THE APPROXIMATE LOCATION FOR THE DETECTABLE WARNING \$ TYPE.

DETECTABLE WARNING PAVERS

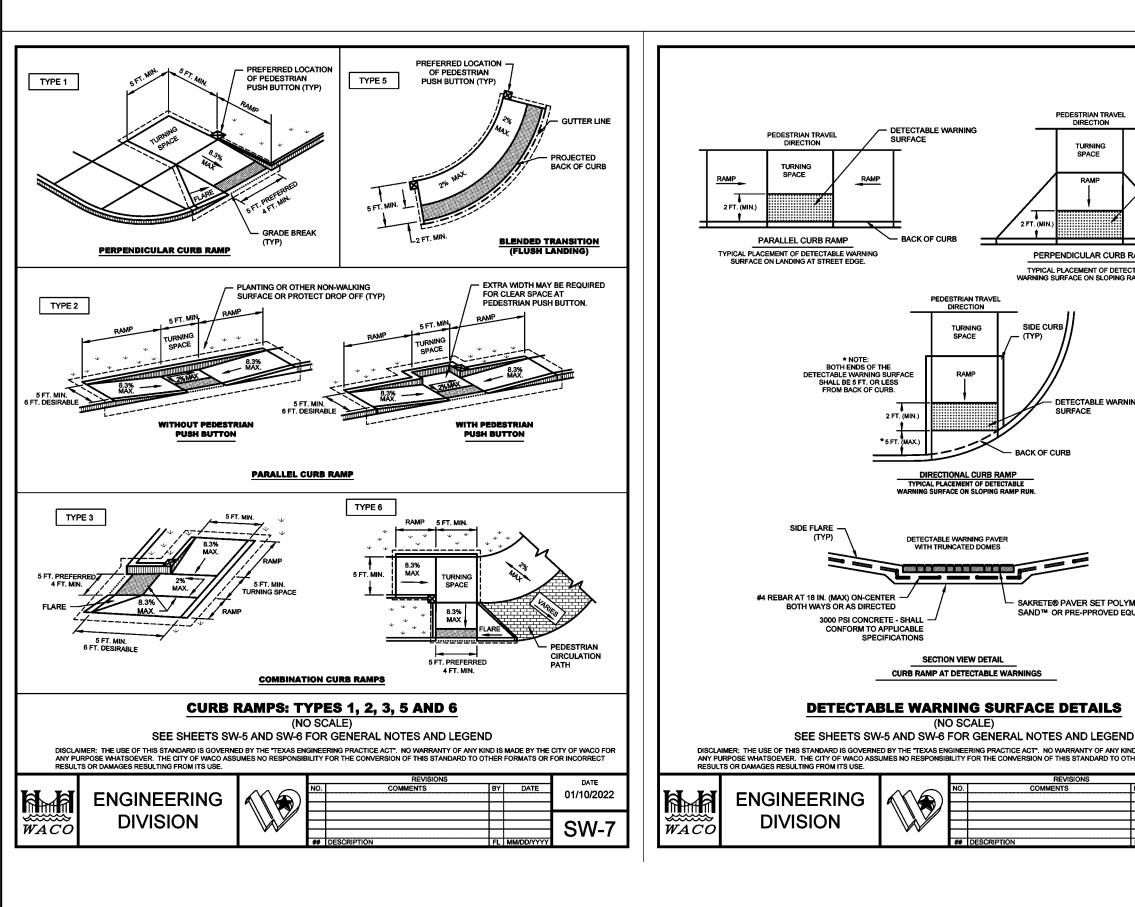
- 7. FURNISH DETECTABLE WARNING PAVER UNITS MEETING ALL REQUIREMENTS OF ASTM C-936, C-33. LAY IN A WEAVE PATTERN OR AS DIRECTED.
- 8. LAY FULL-SIZE UNITS FIRST FOLLOWED BY CLOSURE UNITS CONSISTING OF AT LEAST 25 PERCENT (25%) OF WARNING PAVER UNITS USING A POWER SAW.

SIDEWALKS

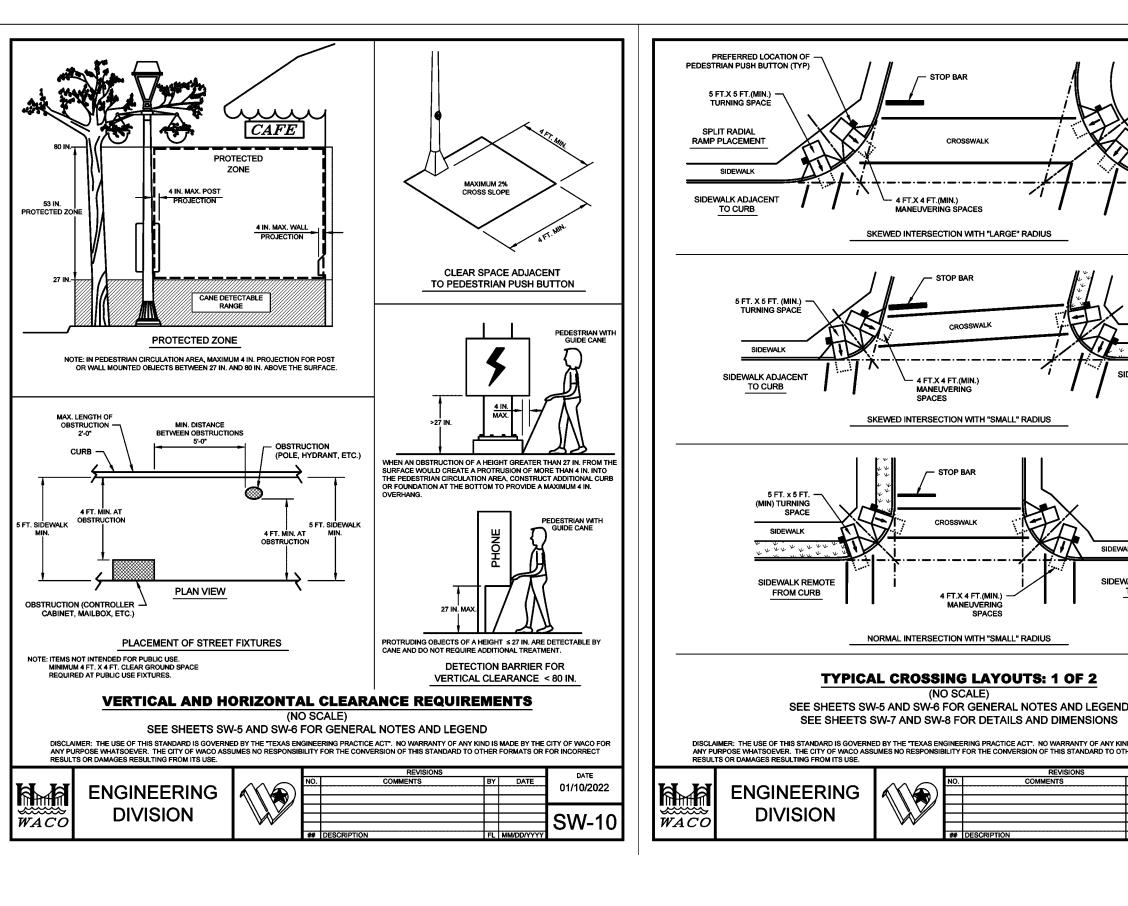
- 9. PROVIDE CLEAR GROUND SPACE AT OPERABLE PARTS, INCLUDING PEDESTRIAN PUSH BUTTONS, OPERABL WITHIN UNOBSTRUCTED REACH RANGE SPECIFIED IN PROWAG SECTION R406.
- 10. PLACE TRAFFIC SIGNAL OR ILLUMINATION POLES, GROUND BOXES, CONTROLLER BOXES, SIGNS, DRAINAGE AS NOT TO OBSTRUCT THE PEDESTRIAN ACCESS ROUTE OR CLEAR GROUND SPACE
- 11. STREET GRADES AND CROSS SLOPES SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.
- 12. CHANGES IN LEVEL GREATER THAN 1/4 IN. ARE NOT PERMITTED.
- 13. THE LEAST POSSIBLE GRADE SHOULD BE USED TO MAXIMIZE ACCESSIBILITY. THE RUNNING SLOPE OF SIDI WITHIN THE PUBLIC RIGHT OF WAY MAY FOLLOW THE GRADE OF THE PARALLEL ROADWAY. WHERE A CON FIVE PERCENT (5%) MUST BE PROVIDED, HANDRAILS MAY BE DESIRABLE TO IMPROVE ACCESSIBILITY. HAN PROTECT PEDESTRIANS FROM POTENTIALLY HAZARDOUS CONDITIONS, IF PROVIDED, HANDRAILS SHALL CO
- 14. HANDRAIL EXTENSIONS SHALL NOT PROTRUDE INTO THE USABLE LANDING AREA OR INTO INTERSECTING P
- 15. DRIVEWAYS AND TURNOUTS SHALL BE CONSTRUCTED AND PAID FOR IN ACCORDANCE WITH ITEM "INTERSE TURNOUTS". SIDEWALKS SHALL BE CONSTRUCTED AND PAID FOR IN ACCORDANCE WITH ITEM, "SIDEWALKS
- 16. SIDEWALK DETAILS ARE SHOWN ELSEWHERE IN THE PLANS.



DOMES COMPLYING WITH							
350 AND BE LISTED ON THE CTS IN ACCORDANCE WITH							
RIAN TRAVEL, AND EXTEND THE ET.							
THE BACK OF CURB AND NEITHER ES MAY BE CURVED ALONG THE							
SURFACE FOR EACH CURB RAMP							
A TWO BY TWO UNIT BASKET							
F A FULL UNIT. CUT DETECTABLE							
E PARTS SHALL BE PLACED							
E FACILITIES AND OTHER ITEMS SO							
EWALKS AND CROSSWALKS TINUOUS GRADE GREATER THAN DRAILS MAY ALSO BE NEEDED TO OMPLY WITH PROWAG R409. PEDESTRIAN ROUTES.							
ECTIONS, DRIVEWAYS AND		60%	6	THE PU	JRPOSE	OF PRE	UED FOR LIMINARY INTENDED
		UBMI' For preli		F FINA	OR CONS WHEN IS L FORM ED, SIGNE	STRUCT	ON. N /ILL BE
VE BREAK OF CURB RAMP Y BE AT GUTTER LINE. PES AT GRADE BREAKS SH.		DESIGN R		RES TEXAS	SPONSIBL BGE, REGISTEF FIRM F CLARK G REGISTR/	E ENGI INC. RED EN 7-1046 AUER, F	NEER: GINEERING
	REV.	D	ESCRIPTION		BY		DATE
ND IS MADE BY THE CITY OF WACO FOR THER FORMATS OR FOR INCORRECT			CITY OF	- WAG	20		
	AUS	STIN AVE	NUE SIDE	WALK	IMPF	OVE	MENTS
о1/10/2022 FL ММООЛУУУУ SW-6			STANDARI Side Sheet	WALK			
	3		, Inc. N Pearl St., Suite 2 [,] 169-621-3200 ● ww E Registration No. F	w.bgeinc.co			
	DESIG DRAW	NED: BGE	DATE		ROJECT		Sheet 208
	CHEC	KED: BGE	MAY 2023		11264-	50	-



DETECTABLE WARNING SURFACE SIDE FLARE (TYP) BACK OF CURB TABLE TABLE TABLE				
NG				
MERIC UAL	60% SUBMI For preli Design r	TTAL MINARY EVIEW TE: TE:	IESE PLANS ARE IS IE PURPOSE OF PR IE PURPOSE OF PR FOR CONSTRUC- WHEN ISSUED FINAL FORM THEY SEALED, SIGNED ANI RESPONSIBLE ENG BGC, INC. XAS REGISTERED EN- FIRM F-1044 CLARK GAUER, AS REGISTRATION May 15, 2023	ELIMINARY INTENDED ION. IN WILL BE D DATED. INEER: IGINEERING P.E. NO. 80599
	REV. D	ESCRIPTION	BY	DATE
		CITY OF W	WACO	
ID IS MADE BY THE CITY OF WACO FOR HER FORMATS OR FOR INCORRECT	AUSTIN AVE	NUE SIDEWA	LK IMPROVE	MENTS
BY DATE 01/10/2022 01/10/2022 SW-9 FL MMDD/YYYY		Standard D Sidewai Sheet 4 (LK	
		, Inc. I Pearl St., Suite 2100, D I69-621-3200 ● www.bge E Registration No. F-1046	einc.com	
	DESIGNED: BGE DRAWN: BGE CHECKED: BGE	DATE MAY 2023	PROJECT NO. 11264-00	Sheet 209
		1		L



SIDEWALK SIDEWALK ADJACENT TO CURB							
SIDEWALK							
ALK VALK ADJACENT TO CURB	F	60% (BMI) Dr preli Design r	TTAL MINARY	TH REV S TE>	FOR CC WHEN FINAL FOR EALED, SIC RESPONS BI (AS REGIS" FIRM	E OF PRE ARE NOT INSTRUCT ISSUED M THEY INED ANE IBLE ENG GE, INC. TERED EN M F-1046	ELIMINARY INTENDED ION. IN MILL BE D DATED. INEER: GINEERING
	REV.	D	ESCRIPTION			15, 2023	
D							
ID IS MADE BY THE CITY OF WACO FOR HER FORMATS OR FOR INCORRECT			CITY OF	- 1	ACO		
DATE 01/10/2022	AUST	'IN AVE	NUE SIDE			PROVE	MENTS
FL MM/DD/YYYY SW-11			Side\ Sheet				
	вС	Tel: 4	, Inc. I Pearl St., Suite 21 69-621-3200 ● ww Registration No. F	w.bge	inc.com	01	
	DRAWN:		DATE		PROJEC		Sheet 210
	CHECKE	D: BGE	MAY 2023		11264	-00	

TRAFFIC CONTROL PLANS

GENERAL REQUIREMENTS

- MUST CONFORM WITH CURRENT TEXAS MUTCD STANDARD
- MULTIPLE PHASES OF CONSTRUCTION WILL REQUIRE A SEPARATE TCP FOR EACH PHASE. ALL MAY BE SUBMITTED AT ONE TIME FOR ACCEPTANCE.
- MUST BE DEVELOPED TO ADDRESS THE SPECIFIC CONDITIONS OF THE PLANNED CONSTRUCTION WORK ZONE LOCATION.
- MUST BE COMPILED BY TEXAS LICENSED PROFESSIONAL ENGINEER

TCP SUBMITTAL PROCESS:

- THE TCP SHALL BE SUBMITTED TO THE CITY OF WACO TRAFFIC ENGINEERING OFFICE 15 CALENDAR DAYS PRIOR TO THE ANTICIPATED START DATE, WITH COPY OF CURRENT CERTIFICATION.
- ALL SUBMITTALS SHALL BE IN PORTABLE DOCUMENT FORMAT (.pdf) AND SENT VIA EMAIL TO TCP_SUBMITTAL@WACOTX.GOV, EXCEPT THAT CITY OF WACO PROJECTS IN PROJECTMATES SHALL BE SUBMITTED THROUGH THE PORTAL AT: HTTPS://CITYOFWACO.PROJECTMATES.COM.

LOCAL ROADS

- TCP REQUIRED FOR ANY LANE OR ROAD CLOSURES EXCEEDING 4 HOURS
- MAY UTILIZE TX MUTCD TYPICAL DETAILS INSTEAD OF A SITE-SPECIFIC TCP

COLLECTORS & ARTERIALS

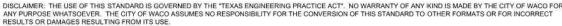
- TCP REQUIRED FOR ANY LANE OR ROAD CLOSURES REGARDLESS OF DURATION
- TCP MUST BE SITE-SPECIFIC TO ADDRESS THE SPECIFIC CONDITIONS OF THE CORRIDOR AND ACCESS TO ADJACENT PROPERTIES
- LANE CLOSURES WILL REQUIRE ARROW BOARDS
- ROAD CLOSURES MAY REQUIRE DYNAMIC MESSAGE BOARDS TO PROVIDE PRIOR WARNING AHEAD OF START DATE
- NO INTERFERENCE WITH TRAFFIC FLOW SHALL BE PERMITTED DURING THE HOURS OF 6:30 A.M. TO 9:30 A.M. AND 3:30 P.M. TO 6:30 P.M., MONDAYS THROUGH FRIDAYS, UNLESS DIRECTED OTHERWISE BY THE DIRECTOR OF PUBLIC WORKS. EMERGENCY CLOSURES DURING THESE HOURS SHALL BE WITH THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.

OTHER INFORMATION

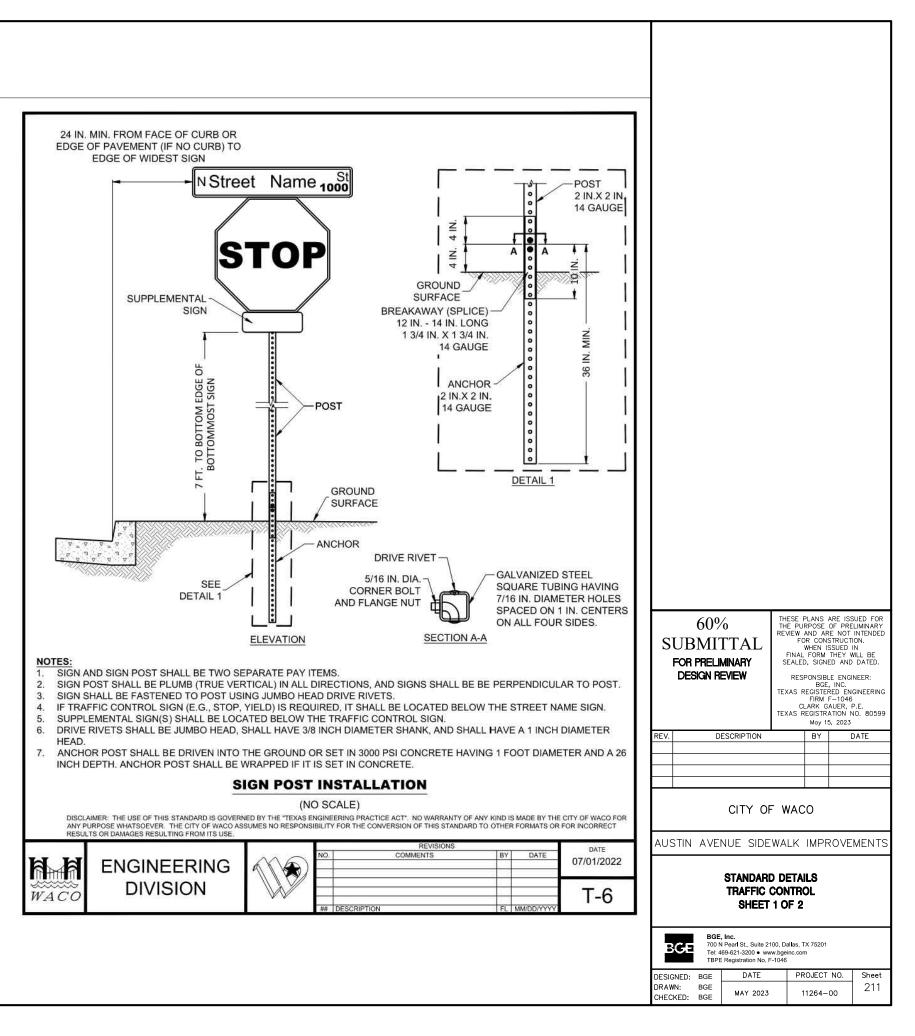
- LANE OR ROAD CLOSURES ALONG STATE FACILITIES REQUIRE TXDOT APPROVAL
- REFERENCE CITY ORDINANCE: SEC. 23-25 TRAFFIC CONTROL

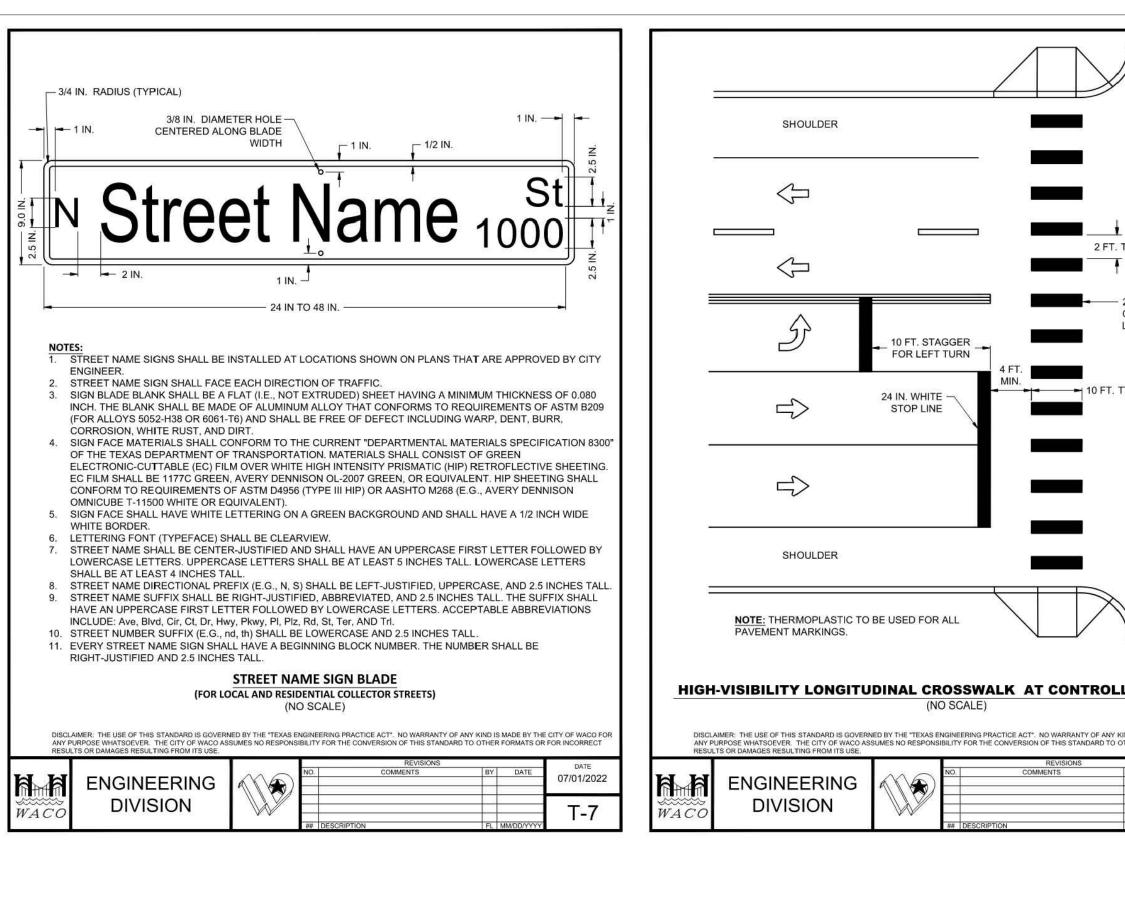
TCP IMPLEMENTATION

- CONTRACTOR SHALL PROVIDE A DESIGNATED CONTRACTOR'S RESPONSIBLE PERSON (CRP) FOR IMPLEMENTATION AND MAINTENANCE OF IMPLEMENTED TRAFFIC CONTROL PLAN.
- CONTRACTOR WILL HAVE TXDOT APPROVED TRAINING UNDER THE MATERIAL PRODUCER LIST HTTPS://WWW.TXDOT.GOV/BUSINESS/RESOURCES/PRODUCER-LIST.HTML

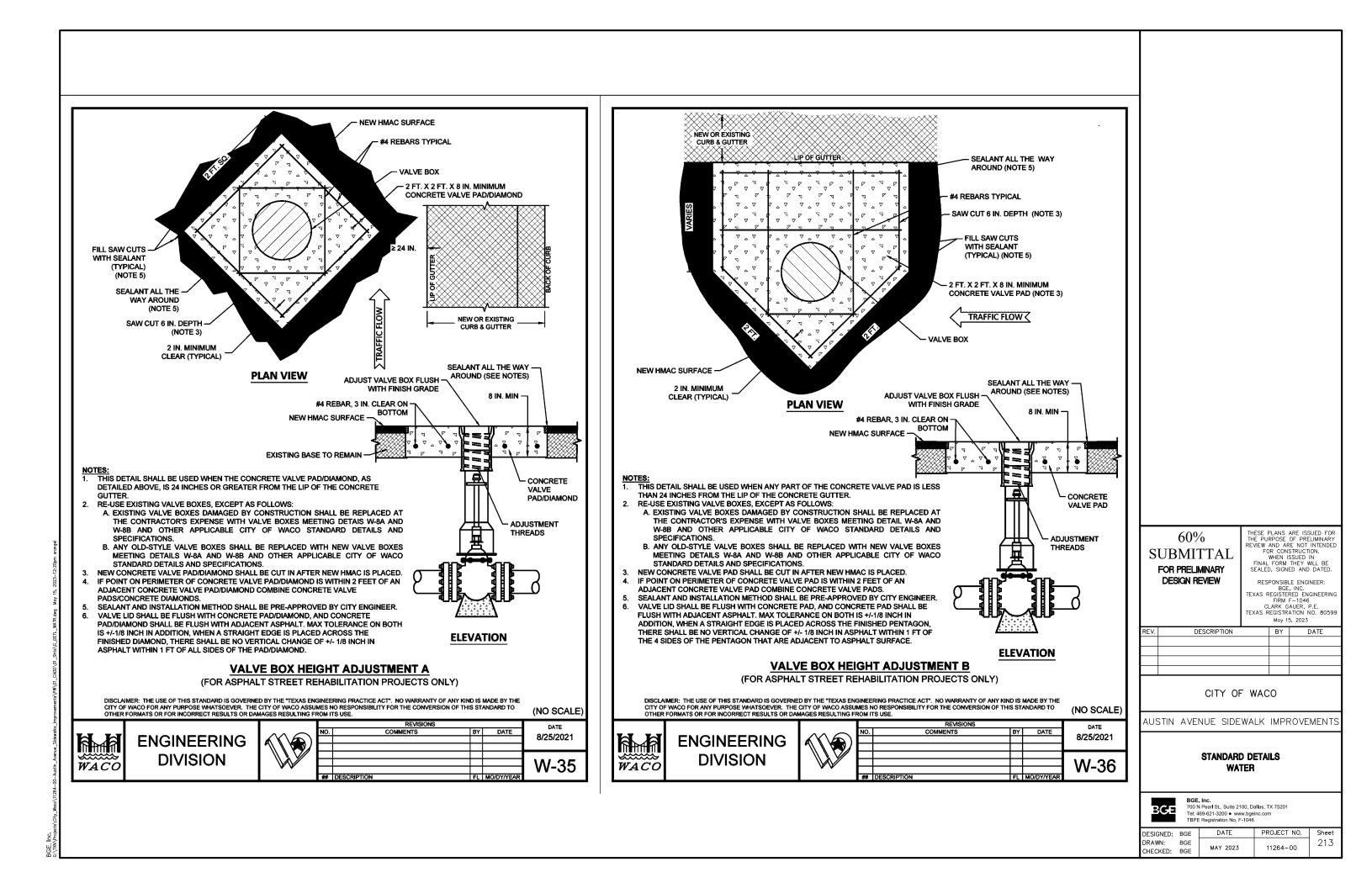


			1. Con 1.	REVISIONS		100 M	DATE
		$\sim \sim \sim$	NO.	COMMENTS	BY	DATE	AND 1 (19) (19) (19) (19)
a a	ENGINEERING				5		07/01/2022
17-+71-11	ENGINEERING						
amme	DIVISION						
WACO	DIVISION						T_1 I
"ACO							1-1
			##	DESCRIPTION	FL	MM/DD/YYYY	





	i	
IJ.		
YP 14 IN. WHITE		
ROSSWALK INES		
ΥP.		
	60% SUBMITTAL For preliminary design review	THESE PLANS ARE ISSUED FOR THE PURPOSE OF PRELIMINARY REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BGE, INC. TEXAS REGISTERED ENGINEERING
)	REV. DESCRIPTION	FIRM F-1040 EVOIDED TOTAL THE FIRM F
ED APPROACH		F WACO
FL MM/DD/YYYY	STANDARI TRAFFIC	WALK IMPROVEMENTS D DETAILS CONTROL 2 OF 2
	BGE, Inc. 700 N Pearl St., Suite 2: Tet: 469-621-3200 • wn TBPE Registration No. F	/w.bgeinc.com
	DESIGNED: BGE DATE DRAWN: BGE CHECKED: BGE MAY 2023	PROJECT NO. Sheet 11264-00 212



		STORMWATER POLLUTION PREVENTION GENERAL NOTES	
	1.	ALL CONSTRUCTION WORK WITHIN THE CITY OF WACO MUST COMPLY WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES) PROGRAM, AND CITY OF WACO ORDINANCES AND STANDARD SPECIFICATIONS FOR CONSTRUCTION (SECTION GP-3.6.D STORMWATER POLLUTION PREVENTION PLAN (EROSION CONTROL PLAN)).	
	2.	ALL STORMWATER POLLUTION PREVENTION AND EROSION CONTROL PLANS MUST BE APPROVED BY THE WATERSHED PROTECTION COMPLIANCE TEAM PRIOR TO INSTALLATION OF PROTECTIVE MEASURES. THE INSTALLATION OF THE PROTECTIVE MEASURES MUST BE INSPECTED AND APPROVED BY CITY OF WACO INSPECTION STAFF PRIOR TO COMMENCING ANY OTHER CONSTRUCTION ACTIVITY. FAILURE OF COMPLIANCE WILL BY SUBJECT TO CITY OF WACO FEE SCHEDULE.	
	3.	ALL MATERIALS USED FOR STORMWATER POLLUTION PREVENTION SHALL MEET THE MINIMUM DESIGN AND SPECIFICATION REQUIREMENTS AS REFERENCED FROM THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) INTEGRATED STORMWATER MANAGEMENT (ISWM) DESIGN MANUAL FOR CONSTRUCTION. THE CONTRACTOR SHALL USE APPROPRIATE CONTROL DEVICES TO PROTECT AGAINST STORMWATER POLLUTION FROM CONSTRUCTION SITE ACTIVITY.	
	4.	IN THE EVENT OF CONFLICT BETWEEN THE SPECIFIED REQUIREMENTS AND STORMWATER POLLUTION CONTROL LAWS, RULES, OR REGULATIONS, OR OTHER LOCAL, STATE, OR FEDERAL AGENCIES, THE MORE RESTRICTIVE LAWS, RULES OR REGULATIONS SHALL APPLY.	
	5.	ALL PROTECTIVE MEASURES SHALL BE INSPECTED BY THE PRIMARY OPERATOR REGULARLY (AT LEAST AS OFTEN AS REQUIRED BY THE TPDES CONSTRUCTION GENERAL PERMIT).	
	6.	ALL POLLUTION PREVENTION CONTROL STRUCTURES AND PROCEDURES MUST BE MAINTAINED IN FULL WORKING ORDER AT ALL TIMES DURING CONSTRUCTION. THIS SHALL INCLUDE ANY NECESSARY REPAIR OR REPLACEMENT OF ITEMS, WHICH HAVE BECOME DAMAGED OR INEFFECTIVE. REMOVE SEDIMENT AND OTHER POLLUTANTS, WHICH ACCUMULATE IN POLLUTION CONTROL DEVICES AS NECESSARY TO MAINTAIN THE INTENDED DESIGN EFFICIENCY FOR THE POLLUTION PREVENTION MEASURE.	
	7.	UPON COMPLETION OF CONSTRUCTION AND ACHIEVEMENT OF FINAL STABILIZATION, PROPERLY REMOVE THE TEMPORARY POLLUTANT CONTROL STRUCTURES AND COMPLETE THE AREA AS INDICATED. POLLUTION CONTROL DEVICES MADE OF ORGANIC MATERIALS DESIGNED TO DEGRADE NATURALLY IN PLACE WILL NOT REQUIRE REMOVAL, UNLESS SPECIFICALLY REQUIRED BY THE OWNER, ENGINEER, OR OWNER'S REPRESENTATIVE.	
	8.	STANDARD DETAILS FOR SOME PROTECTIVE MEASURES HAVE BEEN INCLUDED. PLEASE REFER TO THE ISWM DESIGN MANUAL FOR OTHER PROTECTIVE MEASURES AS NEEDED.	
WACO	E	INGINEERING DIVISION	

FOR		FTAL MINARY	REV F SE	IEW 7 FO V INAL ALED RESF	AND AR R CONS FORM , SIGNE PONSIBL BGE, EGISTEF FIRM F	E NOT STRUCT SSUED THEY V ED AND E ENGI , INC. RED EN F-1046	IN MLL BE DATED. NEER: GINEERING
REV.	D	ESCRIPTION		CL	.ARK G/ EGISTR/	AUER, H ATION N 5, 2023	P.E. NO. 80599 DATE
		CITY OF	- w	AC	0		
AUSTIN	AVE	NUE SIDE	WAL	_K	IMPF	ROVE	MENTS
		STANDARE STORM SHEET	WAT	TER	LS		
BGE	Tel: 4	, Inc. I Pearl St., Suite 21 69-621-3200 ● ww Registration No. F	w.bgeir				
DESIGNED: DRAWN: CHECKED:	BGE BGE BGE	DATE MAY 2023			0JECT 1264-		Sheet 214

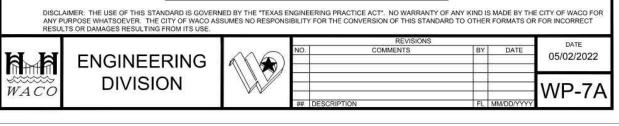
DESCRIPTION

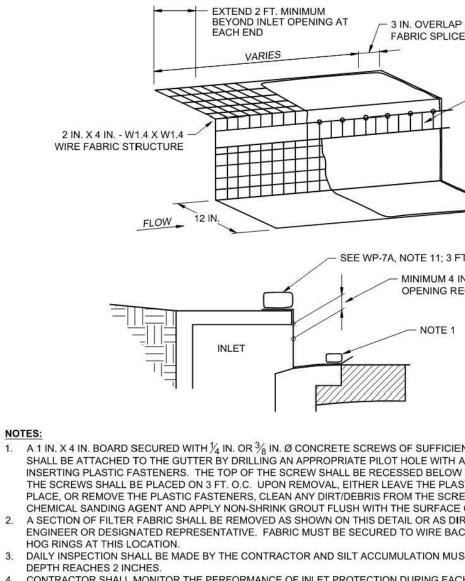
INLET PROTECTION CONSISTS OF A VARIETY OF METHODS TO INTERCEPT SEDIMENT AT LOW POINT INLETS THROUGH THE USE OF DEPRESSED GRADING, FILTER STONE, FILTER FABRIC, INLET INSERTS, AND OTHER MATERIALS. THE PROTECTION DEVICES ARE PLACED AROUND OR ACROSS THE INLET OPENINGS TO PROVIDE LOCALIZED DETENTION OR FILTRATION OF SEDIMENT AND FLOATABLE MATERIALS IN STORMWATER. PROTECTION DEVICES MAY BE ASSEMBLED ONSITE OR PURCHASED AS MANUFACTURED ASSEMBLIES. CURB INLET PROTECTION SHALL E IN ACCORDANCE WITH WP-7B.

GENERAL NOTES:

- 1. DRAINAGE PATTERNS SHALL BE EVALUATED TO ENSURE INLET PROTECTION WILL NOT DIVERT FLOW OR FLOOD THE ROADWAY OR ADJACENT PROPERTIES AND STRUCTURES.
- INLET PROTECTION MEASURES OR DEVICES THAT COMPLETELY BLOCK THE INLET ARE PROHIBITED. THEY 2. MUST ALSO INCLUDE A BYPASS CAPABILITY IN CASE THE PROTECTION MEASURES ARE CLOGGED.
- INLET PROTECTION MUST BE DESIGNED TO PASS THE CONVEYANCE STORM (25-YEAR, 24-HOUR) WITHOUT 3 CREATING A ROAD HAZARD OR DAMAGING ADJACENT PROPERTY. THIS MAY BE ACCOMPLISHED BY ANY OF THE FOLLOWING MEASURES:
 - A. AN OVERFLOW WEIR ON THE PROTECTION MEASURE.
 - B. AN EXISTING POSITIVE OVERFLOW SWALE ON THE INLET.
 - C. SUFFICIENT STORAGE VOLUME AROUND THE INLET TO HOLD THE PONDED WATER UNTIL IT CAN ALL FILTER INTO THE INLET.
 - D. OTHER ENGINEERED METHOD.
- POSITIVE OVERFLOW DRAINAGE IS CRITICAL IN THE DESIGN OF INLET PROTECTION. IF OVERFLOW IS NOT 4 PROVIDED FOR AT THE INLET, TEMPORARY MEANS SHALL BE PROVIDED TO ROUTE EXCESS FLOWS THROUGH ESTABLISHED SWALES, STREETS, OR OTHER WATERCOURSES TO MINIMIZE DAMAGE DUE TO **FLOODING**
- FILTER FABRIC AND WIRE MESH USED FOR INLET PROTECTION SHALL MEET THE MATERIAL 5. REQUIREMENTS SPECIFIED IN CITY OF WACO STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- BLOCK AND GRAVEL (CRUSHED STONE OR RECYCLED CONCRETE) PROTECTION IS USED WHEN FLOWS 6. EXCEED 0.5 CUBIC FEET PER SECOND AND IT IS NECESSARY TO ALLOW FOR OVERTOPPING TO PREVENT FLOODING.
- BAGS USED TO SECURE INLET PROTECTION DEVICES ON TOP OF CURB INLET SHALL BE FILLED WITH 7. AGGREGATE, FILTER STONE, OR CRUSHED ROCK THAT IS LESS LIKELY THAN SAND TO BE WASHED INTO AN INLET IF THE BAG IS BROKEN. FILLED BAGS SHALL BE 24 TO 30 INCHES LONG, 16 TO 18 INCHES WIDE, AND 6 TO 8 INCHES THICK. BAGS SHALL BE POLYPROPYLENE, POLYETHYLENE, OR POLYAMIDE WOVEN FABRIC WITH A MINIMUM UNIT WEIGHT OF 4 OUNCES PER SQUARE YARD AND MEET THE FOLLOWING CRITERIA:
- GREATER THAN 300 PSI MULLEN BURST STRENGTH USING ASTM D3786 STANDARD TEST METHOD FOR 8 HYDRAULIC BURSTING STRENGTH OF TEXTILE FABRICS-DIAPHRAGM BURSTING STRENGTH TESTER METHOD
- GREATER THAN 70 PERCENT UV STABILITY USING ASTM D4355 STANDARD TEST METHOD FOR DETERIORATION OF GEOTEXTILES BY EXPOSURE TO LIGHT, MOISTURE, AND HEAT IN A XENON ARC TYPE APPARATUS
- 10. INLET PROTECTION SHALL BE MAINTAINED AS FOLLOWS:
- 11. INSPECT EVERY 14 DAYS
- 12. CHECK FOR AND REMOVE BLOCKAGE OF INLET AFTER EVERY STORM EVENT WITHIN 24 HOURS
- 13. REMOVE SEDIMENT BEFORE IT REACHES HALF THE DESIGN HEIGHT OR VOLUME OF THE INLET PROTECTION, MORE FREQUENTLY FOR CURB INLETS
- 14. REPAIR OR REPLACE DAMAGED MATERIALS
- 15. CLEAN OR REPLACE FILTER STONE WHEN CLOGGED WITH SEDIMENT
- 16. FOR NON-CITY PROJECTS, REMOVAL OR TRANSFER (SEE FORM WSP-0001) OF ALL INLET PROTECTION AT SUBMISSION OF NOTICE OF TERMINATION.
- 17. PLEASE REFER TO THE CITY OF WACO STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 1.10, PART 2, A 4 AND PART 3, B 3 FOR INLET PROTECTION MATERIAL AND INSTALLATION SPECIFICATIONS.

INLET PROTECTION GENERAL NOTES





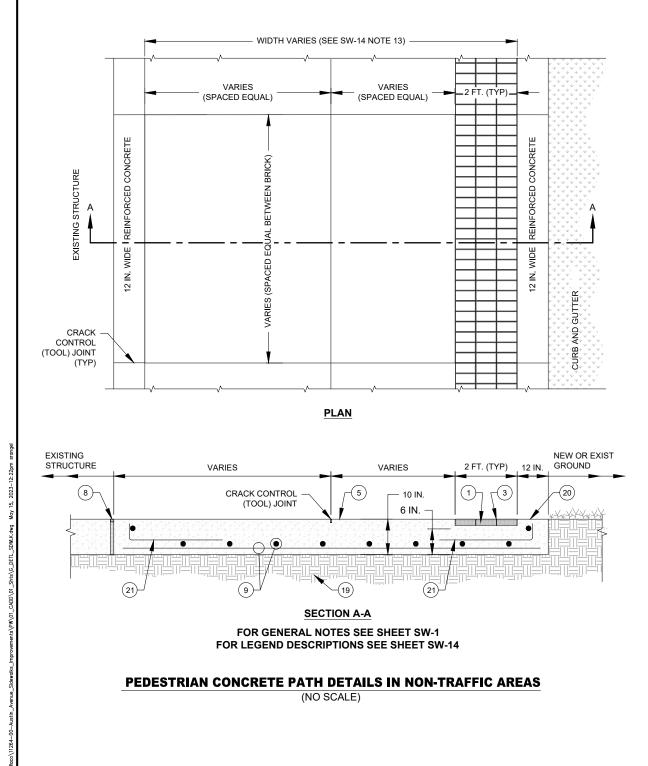
- CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EAC
- IMMEDIATELY REMOVE THE INLET PROTECTIONS IF THE STORM-WATER BEGINS TO OVER
- INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STA 5

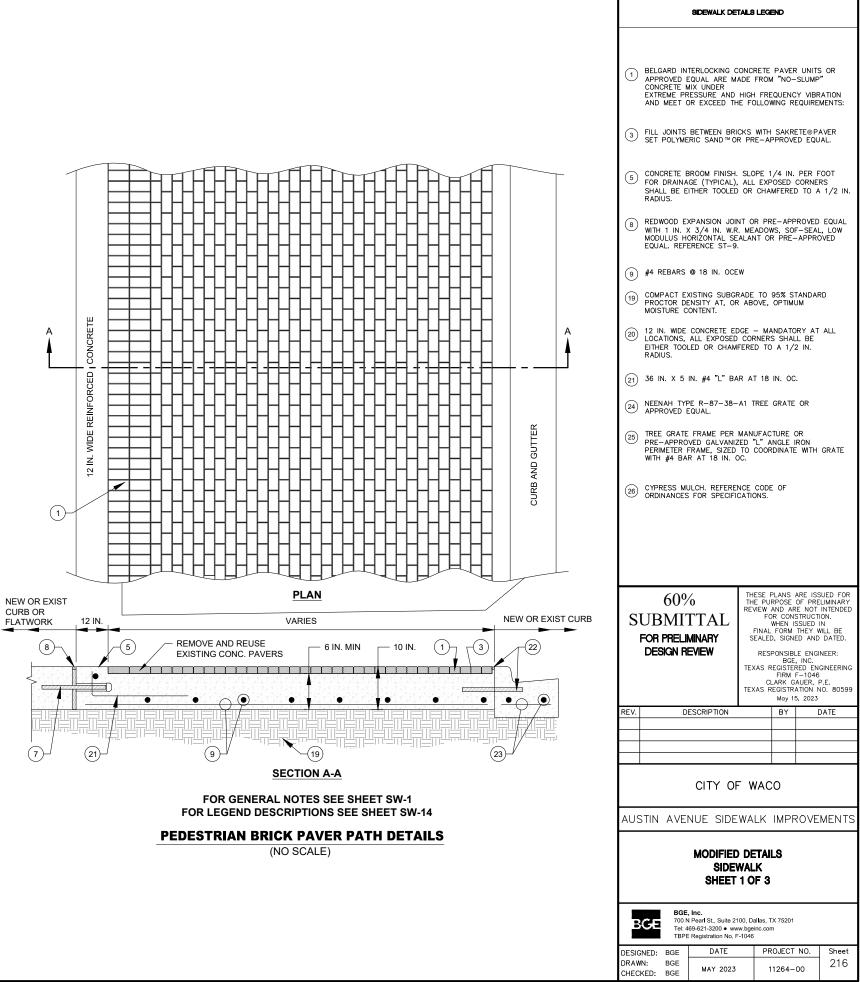
NOTES:

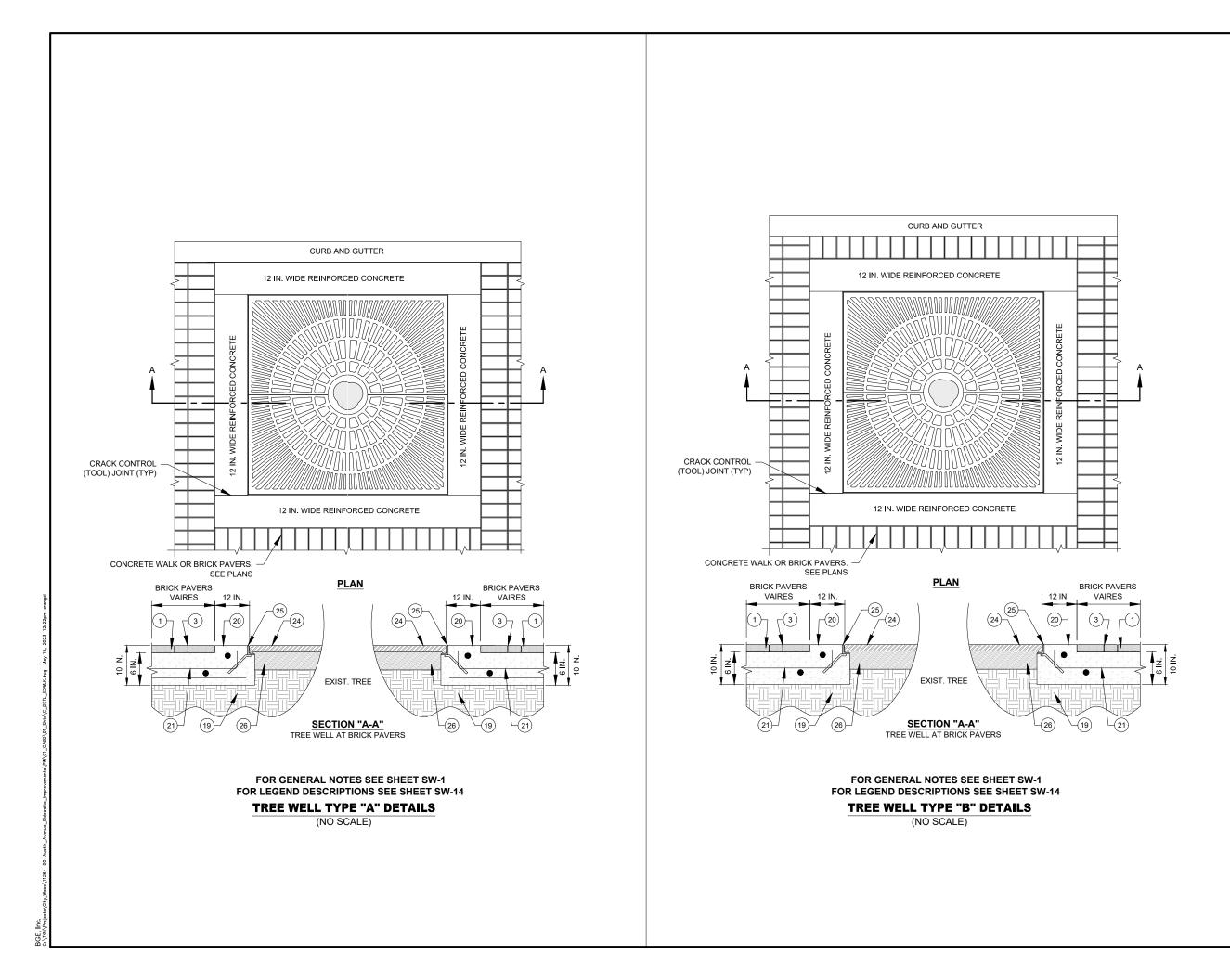
FILTER WEIR CURB INLET PROTECTION



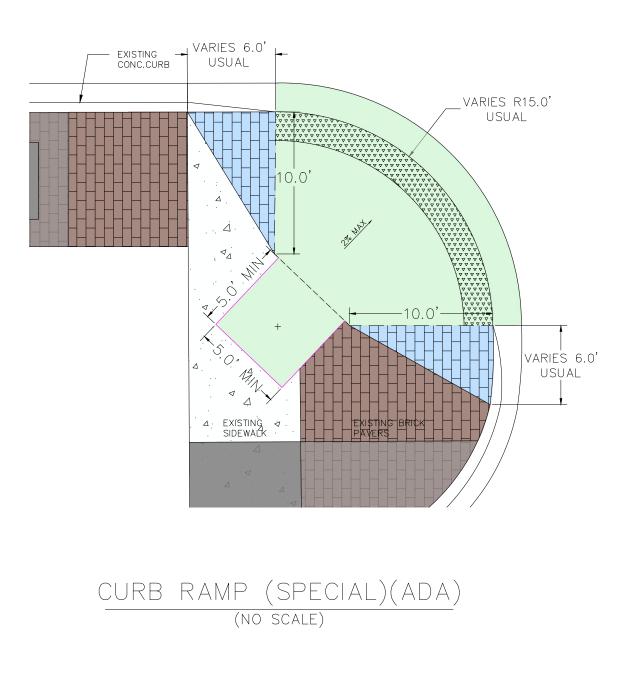
SS CUT AWAY OF FILTER FABRIC Image: Signal product of the source of th				
FILTER FABRIC FLOW T. OC N. HIGH CLEAR INTLENGTH. THE SCREWS ACONCRETE BIT AND THE TOP OF THE BOARD. STIDE FASTENERS IN EW LOCATIONS, APPLY OF THE GUTTER. RECTED BY THE XINING WITH CLIPS OR ST BE REMOVED WHEN H RAINFALL EVENT AND ABILIZED. NOTIS MADE BY THE CURB. ABILIZED. NOTIS MADE BY THE CURD. NOTIS MADE BY THE CURD. INTER FORMATION FOR INCORRECT THE OF OWNATION FOR INCORRECT THE OWNATION F				
FILTER FABRIC FLOW T. OC N. HIGH CLEAR INTLENGTH. THE SCREWS ACONCRETE BIT AND THE TOP OF THE BOARD. STIDE FASTENERS IN EW LOCATIONS, APPLY OF THE GUTTER. RECTED BY THE XINING WITH CLIPS OR ST BE REMOVED WHEN H RAINFALL EVENT AND ABILIZED. NOTIS MADE BY THE CURB. ABILIZED. NOTIS MADE BY THE CURD. NOTIS MADE BY THE CURD. INTER FORMATION FOR INCORRECT THE OF OWNATION FOR INCORRECT THE OWNATION F				
T. OC N. HIGH CLEAR SOUIRED NT LENGTH. THE SCREWS A CONCRETE BIT AND THE TOP OF THE BOARD. STIC FASTENERS IN WU LOCATIONS, APPLY OF THE GUTTER. RECTED BY THE XXING WITH CLIPS OR ST BE REMOVED WHEN H RAINFALL EVENT AND RATOP THE CURB. ABILIZED. NOT IS MADE BY THE COTY OF WACCO FOR THER FORMATS OR FOR INCORRECT MILTE PORMATS OR FOR INCORRECT MATE DATE DOTO2/22022 WPP-7B				
NY. HIGH CLEAR SQUIRED NT LENGTH. THE SCREWS \CONCRETE BIT AND THE TOP OF THE BOARD. TIC FASTENERS IN EVELOCATIONS, APPLY OF THE GUTTER. RECTED BY THE XING WITH CLIPS OR ST BE REMOVED WHEN H RAINFALL EVENT AND RTOP THE CURB. ABILIZED. ND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR INC IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR IND IS MADE BY THE CITY OF WACO FOR	FLOW			
A CONCRETE BIT AND THE TOP OF THE BOARD. STIC FASTENERS IN EW LOCATIONS, APPLY OF THE GUTTER. RECTED BY THE SKING WITH CLIPS OR ST BE REMOVED WHEN H RAINFALL EVENT AND R-TOP THE CURB. ABILIZED. IND IS MADE BY THE CITY OF WACO FOR THER FORMATS OR FOR INCORRECT BY DATE 05/02/2022 WP-7B CITY OF WACO STANDARD DETAILS STORMWATER SHEET 2 OF 2	N. HIGH CLEAR			
A CONCRETE BIT AND THE TOP OF THE BOARD. STIC FASTENERS IN EW LOCATIONS, APPLY OF THE GUTTER. RECTED BY THE SKING WITH CLIPS OR ST BE REMOVED WHEN H RAINFALL EVENT AND R-TOP THE CURB. ABILIZED. IND IS MADE BY THE CITY OF WACO FOR THER FORMATS OR FOR INCORRECT BY DATE 05/02/2022 TEL IMMODITYTY WP-7B				
OF THE GUTTER. RECTED BY THE RECTED BY THE CXING WITH CLIPS OR ST BE REMOVED WHEN H RAINFALL EVENT AND RATOP THE CURB. ABILIZED. IND IS MADE BY THE CITY OF WACO FOR THER FORMATS OR FOR INCORRECT DATE 05/02/2022 DATE 05/02/2022 VWP-7B	CONCRETE BIT AND THE TOP OF THE BOARD. STIC FASTENERS IN			
H RAINFALL EVENT AND R-TOP THE CURB. ABILIZED. IND IS MADE BY THE CITY OF WACO FOR THER FORMATS OR FOR INCORRECT BY DATE 05/02/2022 FEL MMDD/YYYY WP-7B	of the gutter. Rected by the XKING with clips or	SUBMITTAL For preliminary	THE PURPOSE OF PRELI REVIEW AND ARE NOT IN FOR CONSTRUCTIO WHEN ISSUED IN FINAL FORM THEY WIL SEALED, SIGNED AND I RESPONSIBLE ENGINI	MINARY NTENDED N. LL BE DATED.
IND IS MADE BY THE CITY OF WACO FOR THER FORMATS OR FOR INCORRECT DATE 05/02/2022	R-TOP THE CURB.		TEXAS REGISTERED ENGI FIRM F-1046 CLARK GAUER, P. TEXAS REGISTRATION NC May 15, 2023	E. 0. 80599
IND IS MADE BY THE CITY OF WACO FOR THER FORMATS OR FOR INCORRECT AUSTIN AVENUE SIDEWALK IMPROVEMEN AUSTIN AVENUE SIDEWALK IMPROVEMEN AUSTIN AVENUE SIDEWALK IMPROVEMEN STANDARD DETAILS STORMWATER SHEET 2 OF 2				
BY DATE 05/02/2022 STANDARD DETAILS FL MMDD/YYYY				
	BY DATE 05/02/2022	STANDARI STORM	D DETAILS WATER	
BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgeinc.com TBPE Registration No. F-1046		BCP 700 N Pearl St., Suite 21 Tel: 469-621-3200 • ww	w.bgeinc.com	
DESIGNED: BGE DATE PROJECT NO. She		DESIGNED: BGE DATE DRAWN: BGE MAX 2023	PROJECT NO.	Sheet 215



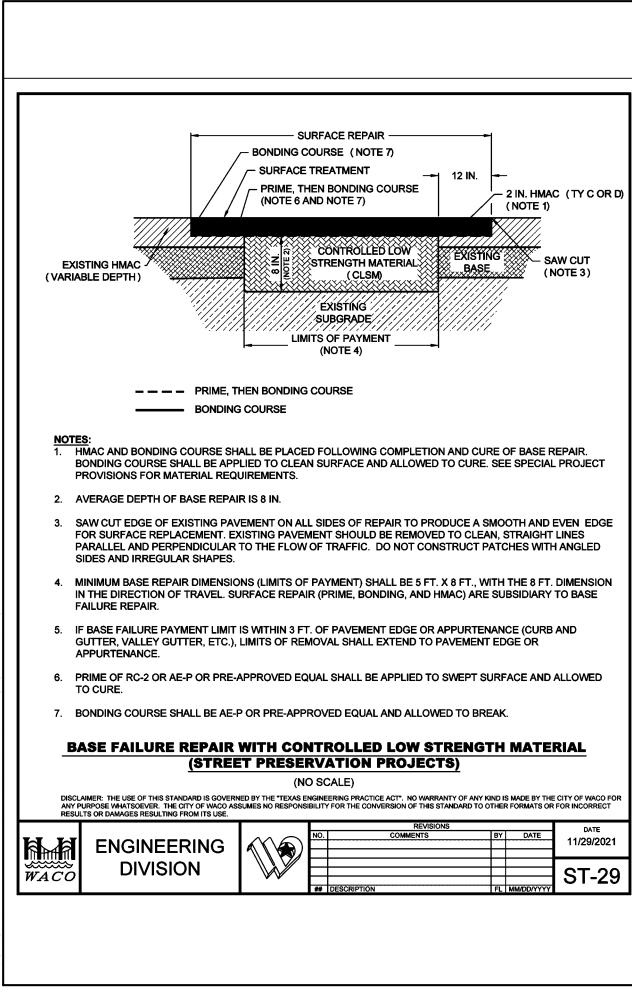


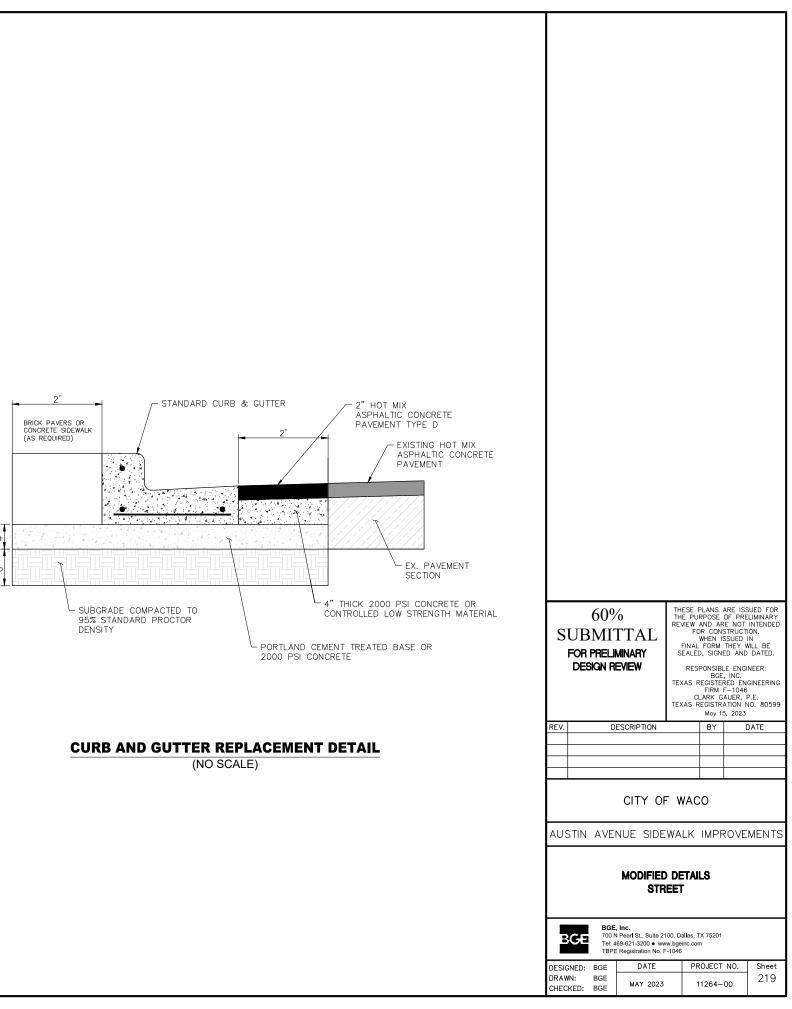


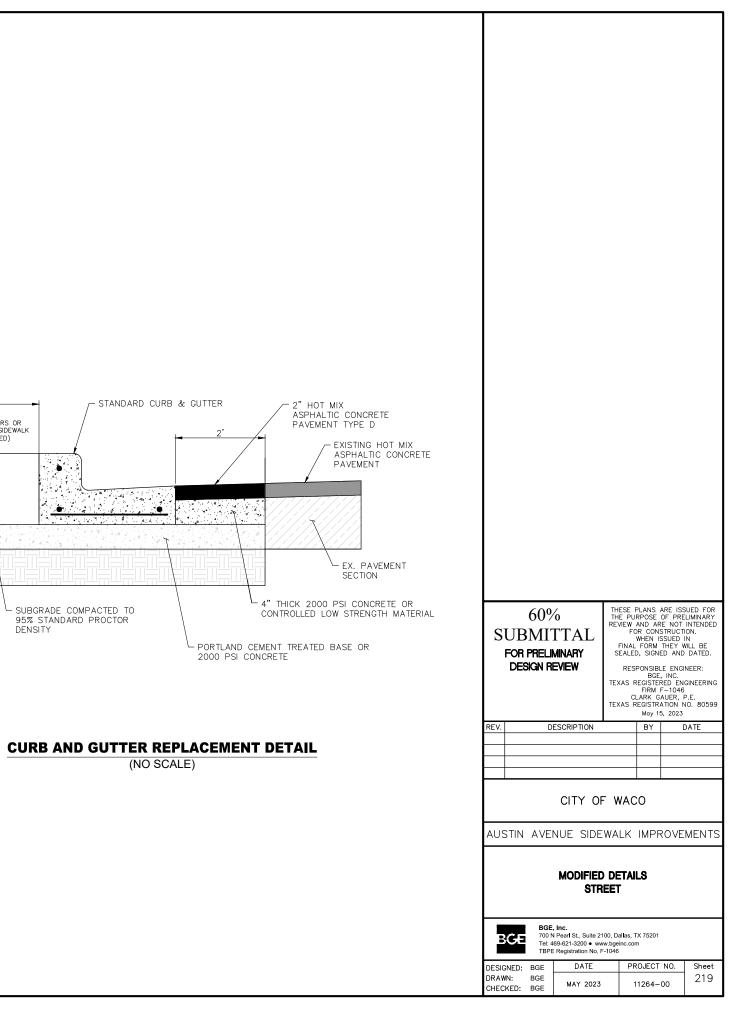
	SIDEW	ALK DET	TAILS LEG	610		
1	BELGARD INTERLOO APPROVED EQUAL CONCRETE MIX UN EXTREME PRESSUR AND MEET OR EXC	ARE MA DER E AND	ADE FROI HIGH FRI	M "NO-	SLUMP Y VIBR	" ATION
3	FILL JOINTS BETWE SET POLYMERIC SA	EN BRIG AND™OF	CKS WITH R PRE-A	I SAKRE PPROVE	ETE®P/ D EQU	AVER AL.
5	CONCRETE BROOM FOR DRAINAGE (TY SHALL BE EITHER RADIUS.	rPICAL),	ALL EXP	POSED (CORNER	RS
8	REDWOOD EXPANSI WITH 1 IN. X 3/4 MODULUS HORIZON EQUAL. REFERENCE	IN. W.R.	. MEADO	NS. SOF	-SEAL	. LOW
9	#4 REBARS @ 18	IN. OCE	w			
(19)	COMPACT EXISTING PROCTOR DENSITY MOISTURE CONTEN	AT OR	ADE TO ABOVE,	95% ST OPTIMU	ANDAF	RD
20	12 IN. WIDE CONCE LOCATIONS, ALL E EITHER TOOLED OF RADIUS.	XPOSED	CORNER	S SHAL	L BE	ALL
21	36 IN. X 5 IN. #4	"L" BA	R AT 18	IN. OC.		
24)	NEENAH TYPE R-8 APPROVED EQUAL.	37-38-	A1 TREE	GRATE	OR	
~						
(25)	TREE GRATE FRAM PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1	ALVANIZ SIZED	ED "L" / TO COOF	ANGLE I	RON	GRATE
(25) (26)	PRE-APPROVED G	ALVANIZ , SIZED 18 IN. O	ED "L" / TO COOF C.	ANGLE II RDINATE	RON	GRATE
0	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1	ALVANIZ , SIZED 18 IN. O	ED "L" / TO COOF C. NCE COD ATIONS.	PLANS / RPOSE (RON MTH	SUED FO
26	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. I ORDINANCES FOR	ALVANIZ , SIZED 18 IN. O REFEREN SPECIFIC	ED "L" / TO COOF C. NCE COD NCE COD NC	PLANS A PLANS A PROSE AND A PROSE CONS	ARE ISS OF PRE STRUCTI STRUCTI	SUED FOI LIMINAR' INTENDE INN
© © S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. I ORDINANCES FOR 60% UBMITTA FOR PRELIMINAF	ALVANIZ SIZED BIN. O REFEREN SPECIFIC	ED "L" / TO COOF C. NCE COD CATIONS. THESE THE PU REVIEW FU SEALE	PLANS & PLANS	RON WITH SOF PRE E NOT STRUCTI STRUCTI THEY W ID AND	SUED FOF LIMINARY INTENDE ION. IN VILL BE DATED.
© © S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. I ORDINANCES FOR 60% UBMITTA	ALVANIZ SIZED BIN. O REFEREN SPECIFIC	ED "L" / TO COOF C. NCE COD CATIONS. THESE THE PU REVIEW FINAL SEALE RES	PLANS A RPOSE (AND AR D, SIGNE PONSIBL BGE, EGISTE	RON WITH WITH STRUCTI STRUCTI STRUCTI THEY W D AND E ENGI E ENGI E ENGI	SUED FOF LIMINARY INTENDE ION. IN DATED. DATED. NEER: GINEERIN
© © S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. I ORDINANCES FOR 60% UBMITTA FOR PRELIMINAF	ALVANIZ SIZED BIN. O REFEREN SPECIFIC	ED "L" / TO COOF C. NCE COD CATIONS. THESE THE PU REVIEW FI SEALE RES TEXAS F	NGLE II RDINATE E OF E OF E OF PLANS / RPOSE C RPOSE ROSE FORM D, SIGNE PONISIBL BOESE REGISTRA CASISTRA	RON WITH SUPPRE E NOT SSUED F INC. INC. E ENGI INC. E ENGI INC. INC. INC. INC.	SUED FOF LIMINARY ION. IN VILL BE DATED. NEER: GINEERIN
© © S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. I ORDINANCES FOR 60% UBMITTA FOR PRELIMINAF	ALVANIZ SIZED BIN. O REFEREN SPECIFIC	ED "L" / TO COOF C. NCE COD CATIONS. THESE THE PU REVIEW FI SEALE RES TEXAS F	NGLE II RDINATE E OF E OF E OF PLANS / RPOSE C RPOSE ROSE FORM D, SIGNE PONISIBL 0605 EG EG EFRM FLARK G/ EGISTRA	RON WITH SOF PRES E NOT SSUED I INC. ZED EN: ZED EN: ZED EN: ZED EN: ZED ADD ADD ADD ADD ADD ADD ADD ADD ADD AD	SUED FOR LIMINARY INTENDE OON. N ULL BE DATED. NEER: GINEERIN 9.E.
© S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. ORDINANCES FOR 0RDINANCES FOR UBMITTA FOR PRELIMINAF DESIGN REVIEW	ALVANIZ SIZED BIN. O REFEREN SPECIFIC	ED "L" / TO COOF C. NCE COD CATIONS. THESE THE PU REVIEW FI SEALE RES TEXAS F	NGLE II RDINATE E OF E OF E OF PLANS / RPOSE C RPOSE ROF BOELE FORM D, SIGNE PONISIBL BOELE FORM FLARK (G) SIGNE FORM FLARK (G) SIGNE CONSTRATION CONS	RON WITH SOF PRES E NOT SSUED I INC. ZED EN: ZED EN: ZED EN: ZED EN: ZED ADD ADD ADD ADD ADD ADD ADD ADD ADD AD	SUED FOR LIMINARY NITENDE DATED. DATED. DATED. REER: GINEERIN P.E. O. 8059
© S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. ORDINANCES FOR 0RDINANCES FOR UBMITTA FOR PRELIMINAF DESIGN REVIEW	ALVANIZ SIZED BIN. O REFEREN SPECIFIC	ED "L" / TO COOF C. NCE COD CATIONS. THESE THE PU REVIEW FI SEALE RES TEXAS F	NGLE II RDINATE E OF E OF E OF PLANS / RPOSE C RPOSE ROF BOELE FORM D, SIGNE PONISIBL BOELE FORM FLARK (G) SIGNE FORM FLARK (G) SIGNE CONSTRATION CONS	RON WITH SOF PRES E NOT SSUED I INC. ZED EN: ZED EN: ZED EN: ZED EN: ZED ADD ADD ADD ADD ADD ADD ADD ADD ADD AD	SUED FOR LIMINARY NITENDE DATED. DATED. DATED. REER: GINEERIN P.E. O. 8059
© S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. I ORDINANCES FOR 60% UBMITTA FOR PRELIMINAF DESIGN REVIEW DESCRIF	ALVANIZ SIZED BIN. O REFEREN SPECIFIC	ED "L" / TO COOF C. NCE COD CATIONS. THESE THE PU REVIEW FI SEALE RES TEXAS F	NGLE II RDINATE E OF E OF E OF E OF E OF E OF E OF E O	RON WITH SOF PRES E NOT SSUED I INC. ZED EN: ZED EN: ZED EN: ZED EN: ZED ADD ADD ADD ADD ADD ADD ADD ADD ADD AD	SUED FOR LIMINAR NITENDE DATED. DATED. DATED. REER: GINEERIN P.E. IO. 8055
26 S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. I ORDINANCES FOR 60% UBMITTA FOR PRELIMINAF DESIGN REVIEW DESCRIF	ALVANIZ SIZED BIN. O REFEREN SPECIFIC AL M	THESE THESE THE PU REVIEW REVIEW FINAL SEALE RES TEXAS F	NGLE III RDINATE E OF E OF PLANS / RPOSE (AND AR FROSE (AND AR FORM D, SIGNE BOC PONISILARK G/ BCC BOC BOC BOC BOC BOC BOC BOC BOC BOC	RON WITH NRE ISS F PRE E NOT E ENGI E ENGI E ENGI E INC. ED ENN E ENGI E INC. E ENGI E INC. E ENGI E INC. E INC. I	SUED FOI LIMINAR' INTENDO DATED. ATED. GINEER: GINEERIN P.E. GO. 8055 DATE
26 S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. I ORDINANCES FOR 0 0 0 0 0 0 0 0 0 0 0 0 0	ALVANIZ SIZED REFEREN SPECIFIC AL AL AL AL AL AY AL A A AL A AL A AL A A AL A A AL A A AL A A AL A A AL A A A A AL A A AL A	THESE THESE THESE THESE THE V REVIEW REVIEW REVIEW TEXAS F TEXAS F TEXAS F	NIGLE II RDINATE E OF E OF E OF E OF E OF E OF E OF E O	RON WITH NRE ISS F PRE E NOT E ENGI E ENGI E ENGI E INC. ED ENN E ENGI E INC. E ENGI E INC. E ENGI E INC. E INC. I	SUED FOR LIMINAR' INTENDE DATED. ATED. GINEER: GINEERIN P.E. GINEERIN P.E. DATE
26 S	PRE-APPROVED G. PERIMETER FRAME, WITH #4 BAR AT 1 CYPRESS MULCH. I ORDINANCES FOR 0 0 0 0 0 0 0 0 0 0 0 0 0		THESE THESE THE COD ATIONS. THESE THE PUR REVIEW FO FINAL SEALE RESE TEXAS F TEXAS F TEXAS F WAC	NIGLE III RDINATE E OF PLANS / A PCOSE (AND AR PROSE (AND AR PROSE (AND AR POSE (AND AR POSE (AND AR POSE (BCE), ECO CO IMPR LS	RON WITH NRE ISS F PRE E NOT E ENGI E ENGI E ENGI E INC. ED ENN E ENGI E INC. E ENGI E INC. E ENGI E INC. E INC. I	SUED FOR LIMINAR' INTENDE DATED. ATED. GINEER: GINEERIN P.E. GINEERIN P.E. DATE
26 S			ED "L" / TIC COOF C. NCE COD CATIONS. THESE THE PU REVIEW FINAL SEALE RESE TEXAS F TEXAS F TEXAS F WAC WALK ODETAI VALK 2 OF 3 00. Dallas, wbgeinc.co 1046	NIGLE III RDINATE E OF PLANS / A PCOSE (AND AR PROSE (AND AR PROSE (AND AR POSE (AND AR POSE (AND AR POSE (BCE), ECO CO IMPR LS	RON WITH REF ISS FOR PRESIDENT SSUED INC. SSUED INC. FILL SSUED AND E ENGI INC. FILL SSUED INC. FILL SSUED INC. SSUED INC. FILL SSUED INC. SSUED INC. SSUE	SUED FOR LIMINAR' INTENDE DATED. ATED. GINEER: GINEERIN P.E. GINEERIN P.E. DATE

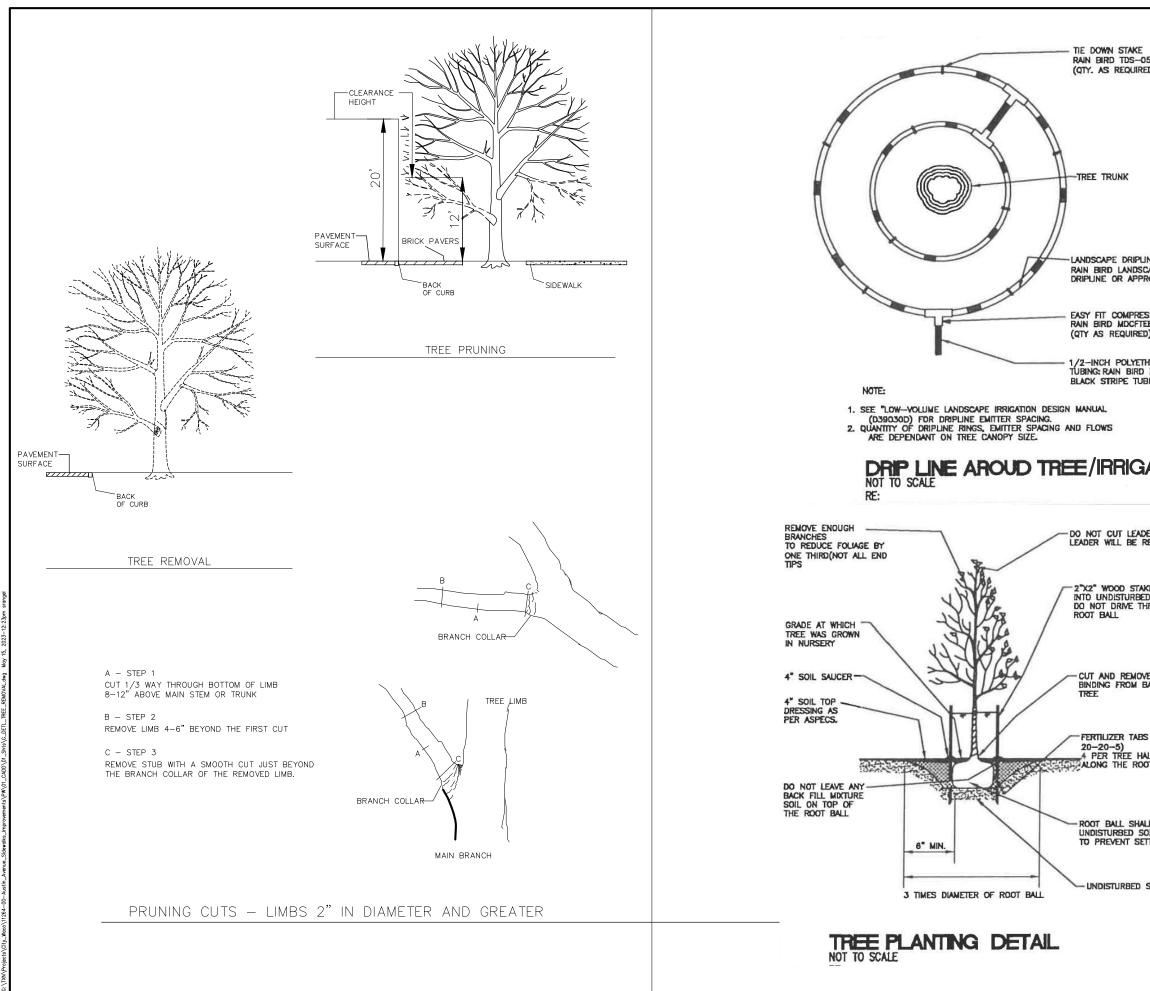


LEGEND						
	EXISTING BRICK	(PA	VERS TO R	EMAIN		
REMOVE AND RELAY PEDESTRIAN BRICK PAVERS (RE. DETAIL SHT 216)						
CURB RAMP (SPECIAL)(ADA) TO INCLUDE REMOVE EXISTING RAMP, SIDEWALK, GUTTER, ETC.						
EXISTING SIDEWALK TO REMAIN						
609		TH TH RE ^V	ESE PLANS E PURPOSE VIEW AND A	RE NOT	INTENDED	
SUBMI			FOR CON WHEN FINAL FORM	STRUCT SSUED THEY V	ION. IN WILL BE	
FOR PREL DESIGN F		S	EALED, SIGN RESPONSIE	ED AND	DATED.	
		TE)	BGE (AS RECISTE	E, INC. RED EN		
		TE>	FIRM CLARK ((AS REGISTR May 1	AUER, 1 ATION 1 5, 2023	⊤.∟. NO. 80599	
REV.	DESCRIPTION		BY	1	DATE	
CITY OF WACO						
AUSTIN AVENUE SIDEWALK IMPROVEMENTS						
MODIFIED DETAILS SIDEWALK SHEET 3 OF 3						
BGE, Inc. 700 N Pearl St., Suite 2100, Dallas, TX 75201 Tel: 469-621-3200 • www.bgeinc.com TBPE Registration No. F-1046						
DESIGNED: BGE DATE PROJECT NO. Sheet						
DRAWN: BGE CHECKED: BGE	MAY 2023		11264-	-00	218	





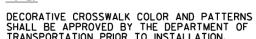


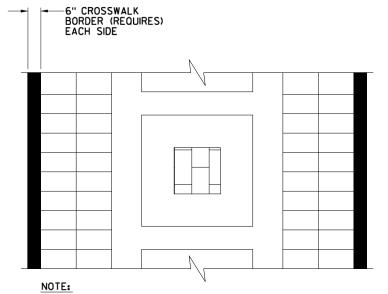


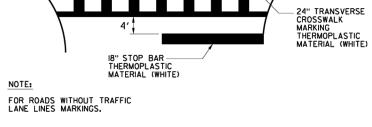
	NOTES						
D50 W/BEND ED)	THIS WORK AND ALL ASSOCIATED MATERIALS WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE SUBSIDIARY TO BID ITEM - PREPARING RIGHT OF WAY.						
	TREE REMOVAL:						
	REMOVE ALL DEAD WOODY ROW. GROUND STUMPS +/- REMOVE ROOTS UNDER STR	- 12" BELOW GROUND.					
	TREE PRUNING:						
	THE OBJECTIVE IS FOR CRC ALLOW CLEARANCE FOR PEI VEHICLES.						
	WHEN PRUNING OAK TREES, BEFORE MOVING FROM ONE USE 70% METHYL ALCOHOL, OTHER APPROVED MATERIAL	TREE TO ANOTHER. CHLORINE SOLUTION,OR					
INE TUBING:	TREAT ALL WOUNDS AND C WITH A COMMERCIAL TREE 20 MINUTES OF CREATING	WOUND DRESSING WITHIN					
ROVED EQUAL	REPAIR DAMAGE TO A PRIV PRIVATE PROPERTY AT CON						
ssion tee Ee D)	PERFORM TREE PRUNING W POSSIBLE, OBTAIN LANDOWN MAKE PROPER PRUNING CU MAINTAIN THE HEALTH OF	IER PERMISSION AND TS NECESSARY TO					
HYLENE XBS BING	CUT LIMBS AT A MAJOR FC IF THE ENTIRE BRANCH IS I AREA TO BE CLEARED, REM THE TRUNK.	ENCROACHING INTO THE					
, and	DO NOT LEAVE A STUB BE' COLLAR OR CUT THROUGH WHEN MAKING PRUNING CU' COLLAR IS GENERALLY VISI MAKE THE FINAL CUT APPR THE PARENT BRANCH OR T	THE BRANCH COLLAR FS. THE BRANCH BLE, BUT IF IT IS NOT, OXIMATELY 1/2" FROM					
ATION	TO THE BRANCH OR LIMB E						
ATION							
IER. CUT							
VER, CUT XELIECTED							
ER. CUT EEJECTED RES DRIVEN D SOIL	(00)	THESE DI ANS ADE ISSUED FO					
VER. CUT XEJECTED KES DRIVEN D SOIL	60% SUBMITTAL FOR PRELIMINARY	THESE PLANS ARE ISSUED FO THE PURPOSE OF PRELIMINAR REVIEW AND ARE NOT INTENDI FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED	ED				
ER. CUT EEJECTED RES DRIVEN D SOIL IROUGH THE	SUBMITTAL	THE PURPOSE OF PRELIMINAR REVIEW AND ARE NOT INTENDI FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BGE, INC. TEXAS REGISTERED ENGINEERIN FIRM F-1046 CLARK GAUER, P.E.	ED				
ER. CUT EJECTED D SOIL ROUGH THE E ALL THE ASE OF THE	SUBMITTAL FOR PRELIMINARY	THE PURPOSE OF PRELIMINAR REVIEW AND ARE NOT INTENDI FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BGE, INC. TEXAS REGISTERED ENGINEERIN FIRM F-1046 CLARK GAUER, P.E.	ED				
ER. CUT EEJECTED SOIL ROUGH THE ROUGH THE ASE OF THE S (21 GR. LF WAY DOWN	SUBMITTAL FOR PRELIMINARY DESIGN REVIEW	THE PURPOSE OF PRELIMINAR REVIEW AND ARE NOT INTENDI FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BGE, INC. TEXAS REGISTRATION NO. 305: May 15, 2023	ED				
ER. CUT ELECTED SOIL ROUGH THE E ALL THE WASE OF THE S (21 GR. LF WAY DOWN	SUBMITTAL FOR PRELIMINARY DESIGN REVIEW	THE PURPOSE OF PRELIMINAR REVIEW AND ARE NOT INTENDI FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BGE, INC. TEXAS REGISTRATION NO. 305: May 15, 2023	ED				
ER. CUT ESELECTED SOIL IROUGH THE IROUGH THE IROUGH THE S (21 GR. UF WAY DOWN ST BALL LL SIT ON DL.		THE PURPOSE OF PRELIMINAR REVIEW AND ARE NOT INTENDI FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BGC, INC. TEXAS REGISTRATION NO. 805' May 15, 2023 BY DATE					
VER, CUT RESIDENCEN D SOIL ROUGH THE ROUGH THE BASE OF THE SASE OF THE S (21 GR. NUF WAY DOWN OT BALL	SUBMITTAL FOR PRELIMINARY DESIGN REVIEW	THE PURPOSE OF PRELIMINAR REVIEW AND ARE NOT INTENDI FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BCE, INC. TEXAS REGISTREAT DOUBLERIN FIRM F-1046 CLARK GAUER, P.E. TEXAS REGISTRATION NO. 8057 May 15, 2023 BY DATE BY DATE					
VER. CUT REJECTED KESS DRIVEN D SOIL HROUGH THE BASE OF THE S (21 GR. ALF WAY DOWN OT BALL LL SIT ON OIL TILING	SUBMITTAL FOR PRELIMINARY DESIGN REVIEW	THE PURPOSE OF PRELIMINAR REVIEW AND ARE NOT INTENDI FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BGC, INC. TEXAS REGISTRATION NO. 805: May 15, 2023 BY DATE BY DATE FWACO EWALK IMPROVEMENT ECIFIC DETAILS IRIGATION, REMOVAL RUNNING					
ATION ATION ACTION	SUBMITTAL FOR PRELIMINARY DESIGN REVIEW	THE PURPOSE OF PRELIMINAR REVIEW AND ARE NOT INTENDI FOR CONSTRUCTION. WHEN ISSUED IN FINAL FORM THEY WILL BE SEALED, SIGNED AND DATED. RESPONSIBLE ENGINEER: BGC, INC. TEXAS REGISTRATION NO. 805: May 15, 2023 BY DATE BY DATE FWACO EWALK IMPROVEMENT ECIFIC DETAILS IRIGATION, REMOVAL RUNNING	тер				

DECORATIVE CROSSWALK

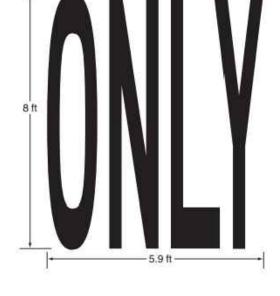
DECORATIVE CROSSWALK COLOR AND PATTERNS SHALL BE APPROVED BY THE DEPARTMENT OF TRANSPORTATION PRIOR TO INSTALLATION.

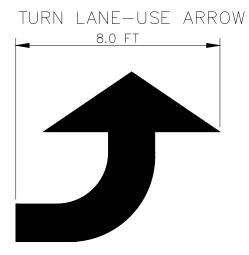






10'





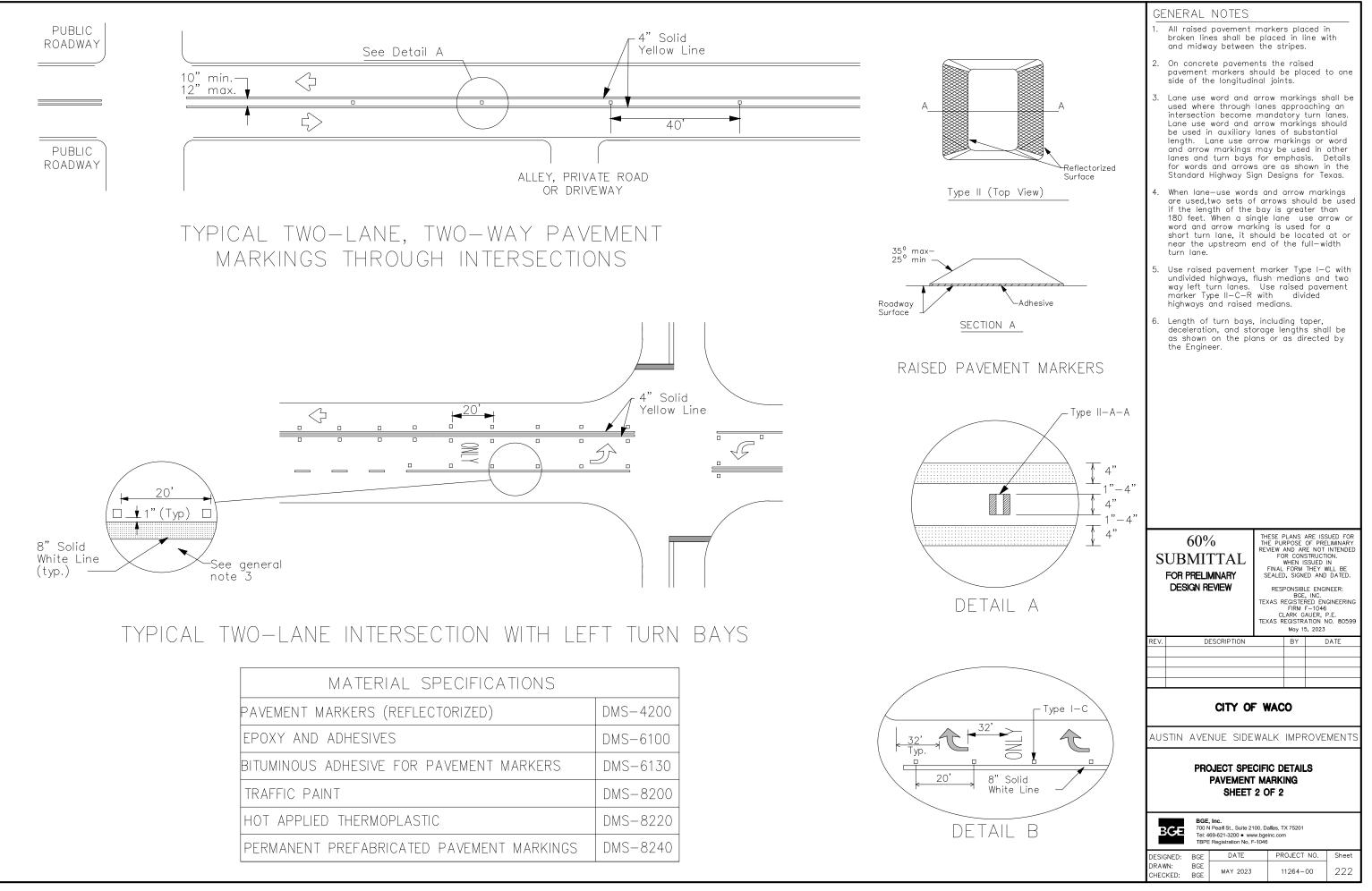
CROSSWALK DETAIL

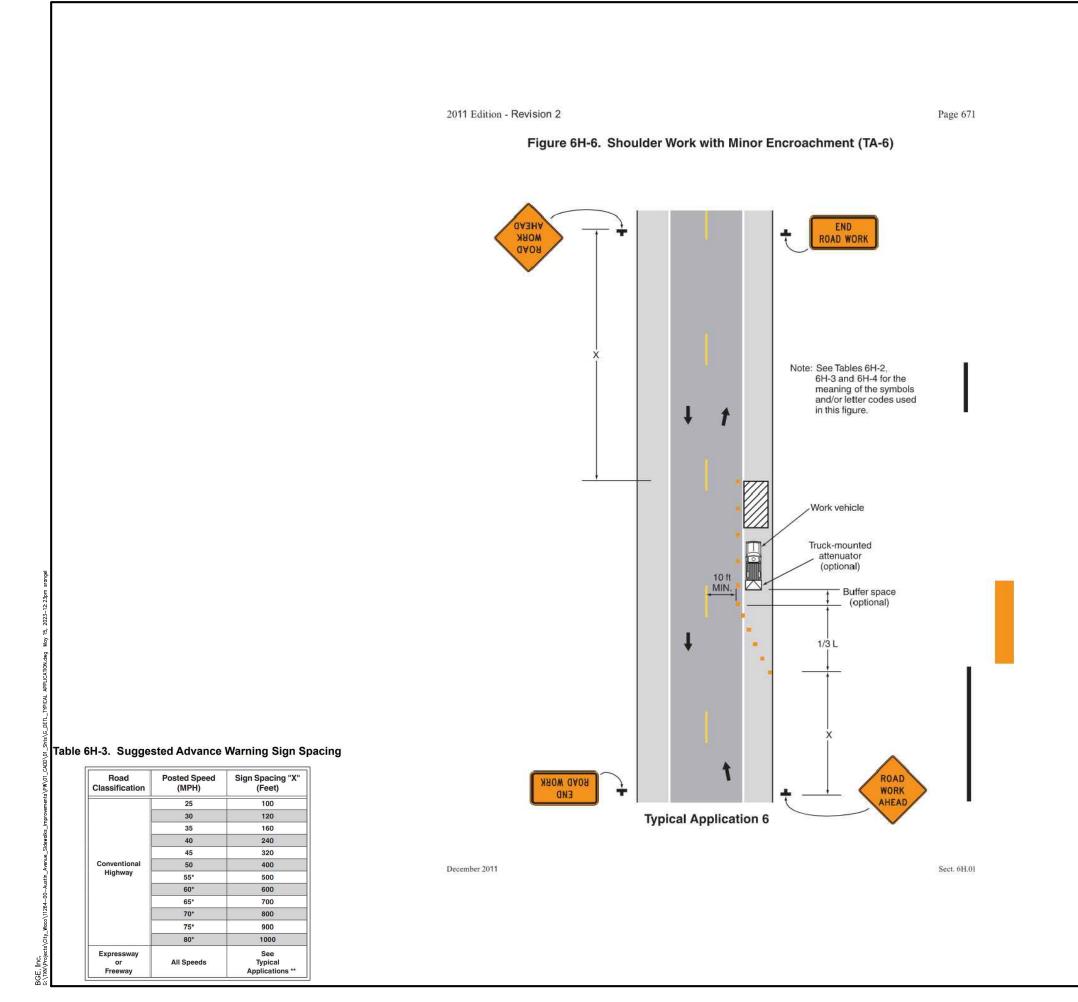
3' SPACING



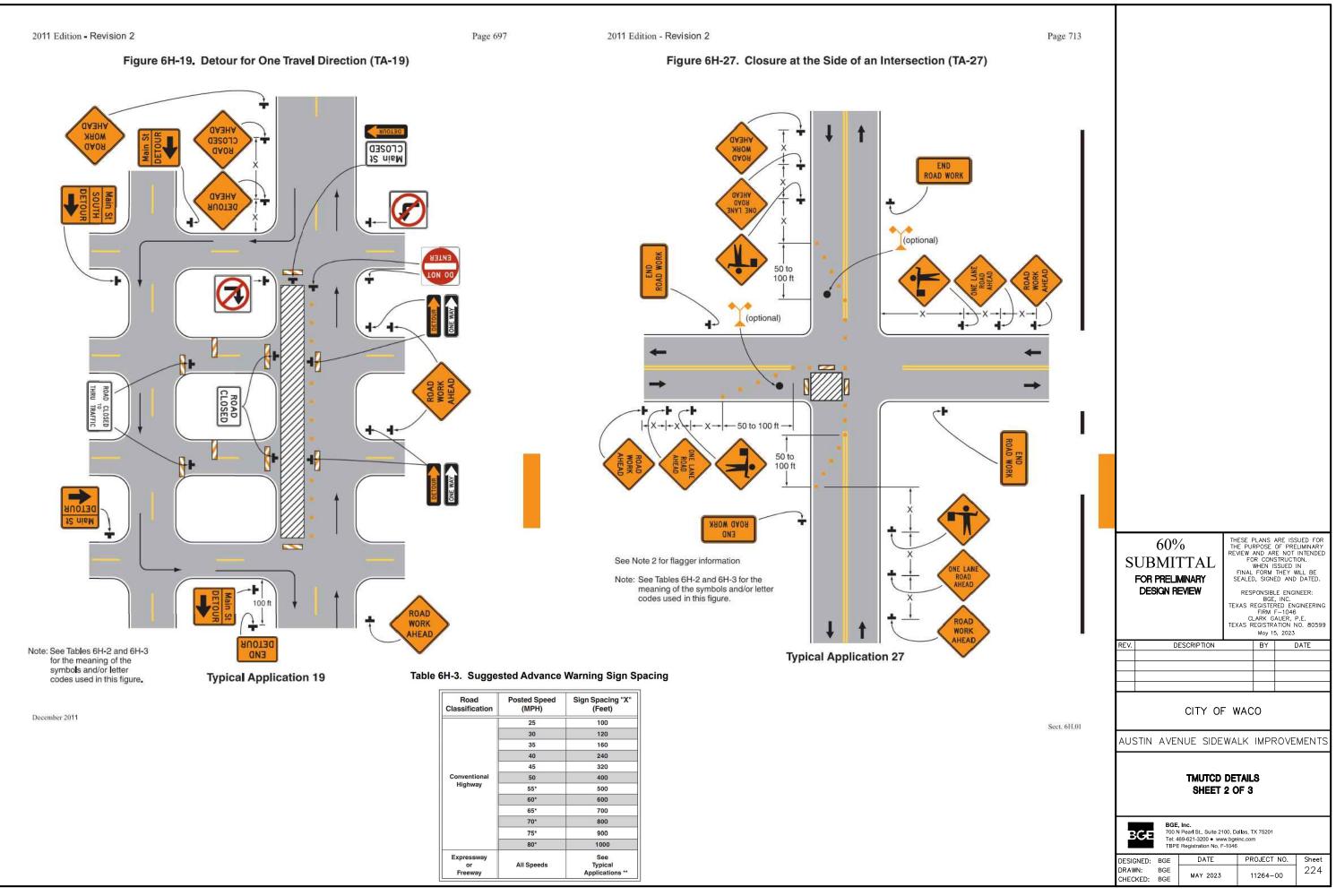
nc. BGE,

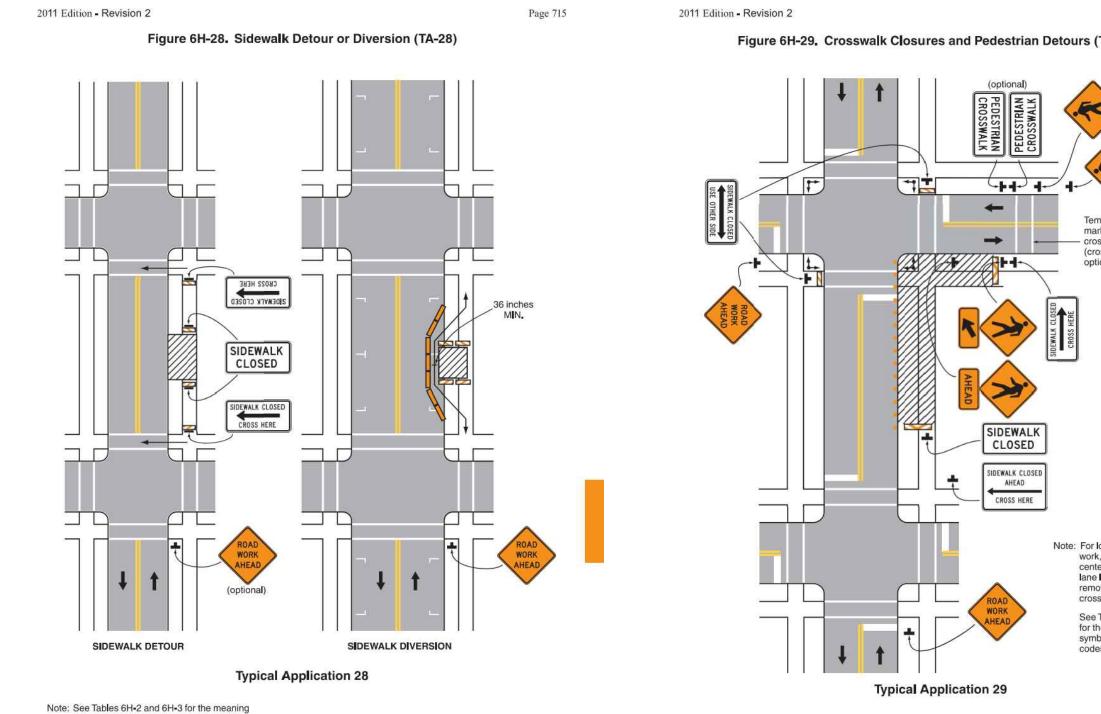
	GENERAL NOTES							
	1.	All raised pavement broken lines shall b and midway between	e placed	in line v				
	 On concrete pavements the raised pavement markers should be placed to on side of the longitudinal joints. 							
	3. Lane use word and arrow markings shall be used where through lanes approaching an intersection become mandatory turn lanes. Lane use word and arrow markings should be used in auxiliary lanes of substantial length. Lane use arrow markings or word and arrow markings may be used in other lanes and turn bays for emphasis. Details for words and arrows are as shown in the Standard Highway Sign Designs for Texas.							
	 4. When lane-use words and arrow markings are used, two sets of arrows should be used if the length of the bay is greater than 180 feet. When a single lane use arrow or word and arrow marking is used for a short turn lane, it should be located at or near the upstream end of the full-width turn lane. 5. Use raised pavement marker Type I-C with undivided highways, flush medians and two way left turn lanes. Use raised pavement marker Type II-C-R with divided highways and raised medians. 							
	6.	Length of turn bays deceleration, and st as shown on the pl the Engineer.	orage ler	ngths shi				
			1					
		60%	THE PURF	ANS ARE IS POSE OF PR	ELIMINARY			
- 6" CROSSWALK MARKING THERMOPLASTIC MATERIAL (WHITE)	s	60% UBMITTAL	THE PURF REVIEW AN FOR WI	POSE OF PR ND ARE NOT CONSTRUC HEN ISSUED	ELIMINARY 'INTENDED TION. IN			
	S	UBMITTAL FOR PRELIMINARY	THE PURF REVIEW AN FOR WI FINAL F SEALED,	POSE OF PR ND ARE NOT CONSTRUC HEN ISSUED FORM THEY SIGNED ANI	ELIMINARY INTENDED TION. IN WILL BE D DATED.			
THERMOPLASTIC MATERIAL	S	UBMITTAL	THE PURF REVIEW AN FOR WI FINAL F SEALED, RESP(TEXAS RE CLA	POSE OF PR ND ARE NOT CONSTRUCT FORM SUED FORM THEY SIGNED ANI DNSIBLE ENC BGE, INC. GISTERED EN FIRM F-104 RK GAUER, GISTRATION	ELIMINARY INTENDED IN WILL BE D DATED. GINEER: IGINEERING 6 P.E. NO. 80599			
THERMOPLASTIC MATERIAL	S REV.	UBMITTAL For preliminary	THE PURF REVIEW AN FOR WI FINAL F SEALED, RESP(TEXAS RE CLA	POSE OF PR ND ARE NOT CONSTRUC: HEN ISSUED FORM THEY SIGNED ANI DNSIBLE ENC BGE, INC. GISTERED EN FIRM F-104 RK GAUER, GISTRATION May 15, 2023	ELIMINARY INTENDED IN WILL BE D DATED. GINEER: IGINEERING 6 P.E. NO. 80599			
THERMOPLASTIC MATERIAL (WHITE) -		UBMITTAL For Preliminary Design Review	THE PURF REVIEW AN FOR WI FINAL F SEALED, RESP(TEXAS RE CLA	POSE OF PR ND ARE NOT CONSTRUC: HEN ISSUED FORM THEY SIGNED ANI DNSIBLE ENC BGE, INC. GISTERED EN FIRM F-104 RK GAUER, GISTRATION May 15, 2023	ELIMINARY intended inton. IN WILL BE D DATED. SINEER: SINER			
THERMOPLASTIC MATERIAL (WHITE) - RSE		UBMITTAL For Preliminary Design Review	THE PURF REVIEW AN FOR WI FINAL F SEALED, RESP(TEXAS RE CLA	POSE OF PR ND ARE NOT CONSTRUC: HEN ISSUED FORM THEY SIGNED ANI DNSIBLE ENC BGE, INC. GISTERED EN FIRM F-104 RK GAUER, GISTRATION May 15, 2023	ELIMINARY intended inton. IN WILL BE D DATED. SINEER: SINER			
THERMOPLASTIC MATERIAL (WHITE) - RSE		UBMITTAL FOR PRELIMINARY DESIGN REVIEW	THE PURF REVIEW AN FOR WI FINAL F SEALED, RESP(TEXAS RE CLA	OSE OF PR ID ARE NOT CONSTRUC FOR ISSUED SORM THEY SIGNED ANI NSIBLE ENC. ISSIENCE DE IRM F-104 SIGSTRATION May 15, 2023 BY	ELIMINARY INTENDED TION. IN WILL BE D DATED. SINEER: SINEER			
THERMOPLASTIC MATERIAL	REV.	UBMITTAL FOR PRELIMINARY DESIGN REVIEW	THE PUR REVIEW OF THE PUR FOR FOR FINAL F SEALED, RESP(TEXAS RE CLA TEXAS RE	OSE OF PR ID ARE NOT CONSTRUC EN ISSUED FORM THEY SIGNED ANI ONSIBLE ENC BGE, INC. GISTERED EN REGE, INC. GISTERED EN RIFRM F-104 SIGSTRATION May 15, 2023 BY	ELIMINARY INTENDED TION. IN WILL BE D DATED. SINEER: INGINEERING 6. P.E. NO. 80599 DATE			
THERMOPLASTIC MATERIAL (WHITE) - RSE	REV.	UBMITTAL FOR PRELIMINARY DESIGN REVIEW	THE PUR REVEW FOR FINAL F SEALED, RESP(TEXAS RE CLA TEXAS RE F WACC	OSE OF PR ID ARE NOT CONSTRUC CONSTRUC FORM THEY SIGNED ANI INSIBLE ENA INSIBLE ENA INSIBLE ENA INSIBLE ENA INSIBLE ENA INSIBLE AUER, GISTRATION May 15, 2023 BY	ELIMINARY INTENDED TION. IN WILL BE D DATED. SINEER: INGINEERING 6. P.E. NO. 80599 DATE			
THERMOPLASTIC MATERIAL (WHITE) - RSE	REV.	UBMITTAL FOR PRELIMINARY DESIGN REVIEW	THE PURR REVEW AT FOR FOR FINAL F SEALED, RESP(TEXAS RE TEXAS RE TEXAS RE TEXAS RE TEXAS RE TEXAS RE TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS	OSE OF PR DU ARE NOI DA ARE NOI DA ARE NOI CONSTRUCI CONSTRUCI CONSTRUCI SU EN ISSUE DA INI INISIELE ENAL SUBOLI ANI INISIELE ENAL INICI SIGNED ANI INISIELE ENAL ENAL SIGNETATION May 15, 2023 BY MPROVE TAILS IG	ELIMINARY INTENDED TION. IN WILL BE D DATED. SINEER: INGINEERING 6. P.E. NO. 80599 DATE			
THERMOPLASTIC MATERIAL (WHITE) - RSE	AU:	UBMITTAL FOR PRELIMINARY DESIGN REVIEW DESCRIPTION CITY O STIN AVENUE SIDE PROJECT SPE PAVEMEN SHEET SEE REG. Inc. 700 Preat St. Suite 2 762 469-621-3200 • w TBPE Registration No.	THE PURR REVIEW AT FOR FOR FOR FINAL F SEALED, RESP(TEXAS RE CLA TEXAS RE TEXAS RE	OSE OF PR DU ARE NOI DA ARE NOI DA ARE NOI CONSTRUCI CONSTRUCI CONSTRUCI SU EN ISSUE DA INI INISIELE ENAL SUBOLI ANI INISIELE ENAL INICI SIGNED ANI INISIELE ENAL ENAL SIGNETATION May 15, 2023 BY MPROVE TAILS IG	ELIMINARY INTENDED TION. IN WILL BE D DATED. SINEER: INGINEERING 6. P.E. NO. 80599 DATE			





60%	6	THESE PI	LANS ARE I	SSUED FOR
SUBMI FOR PRELI DESIGN R	TTAL MINARY	REVIEW A FOF W FINAL SEALED, RESP TEXAS RE	POSE OF PF ND ARE NO R CONSTRUC HEN ISSUED FORM THEY , SIGNED AN ONSIBLE EN BGE, INC. EGISTERED E FIRM F-104	T INTENDED TION. IN WILL BE ID DATED. GINEER: NGINEERING
REV. D	ESCRIPTION	TEXAS RE	ARK GAUER, EGISTRATION May 15, 202	P.E. NO. 80599 3 DATE
I	CITY OF	WAC	0	
AUSTIN AVE	NUE SIDE	WALK I	IMPROV	EMENTS
	TMUTCD Sheet		5	
BCE 700 N Tel: 4	, Inc. N Pearl St., Suite 21 169-621-3200 ● ww E Registration No. F	w.bgeinc.com	(75201	
DESIGNED: BGE DRAWN: BGE CHECKED: BGE	DATE MAY 2023		DJECT NO.	Sheet 223





Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

December 2011

Table 6H-3. Suggested Advance Warning Sign Spacing

Road Classification	Posted Speed (MPH)	Sign Spacing "X' (Feet)		
Conventional	25	100		
	30	120		
	35	160		
	40	240		
	45	320		
	50	400		
Highway	55*	500		
[60*	600		
	65*	700		
	70*	800		
	75*	900		
	80*	1000		
Expressway or Freeway	All Speeds	See Typical Applications **		

Page 717					
AHEAD					
emporary narking for rosswalk lines ross-hatching ptional)					
or long-term stationary ork, the double yellow					
Inter line and/or the lines should be moved between the posswalk lines. The Tables 6H-2 and 6H-3 the meaning of the mbols and/or letter ides used in this figure.	60% SUBMI For Preli Design Ri	TTAL MINARY EVIEW	XAS REGISTE FIRM CLARK G XAS REGISTR	RE NOT STRUCT SSUED THEY V ED AND LE ENGI , INC. RED EN F-1046 GAUER. 1	INTENDED ION. IN VILL BE DATED. NEER: GINEERING P.E.
	REV. DI	ESCRIPTION	BY		DATE
Sect. 6H.01		CITY OF V	WACO	<u>I</u>	
	AUSTIN AVEI	NUE SIDEWA	ALK IMPF	ROVE	MENTS
		TMUTCD DE Sheet 3 (
	Tel: 4	, Inc. N Pearl St., Suite 2100, E 69-621-3200 ● www.bg E Registration No. F-1046	einc.com		
	DESIGNED: BGE DRAWN: BGE CHECKED: BGE	DATE MAY 2023	PROJECT 11264-		Sheet 225