CITY OF AUSTIN, TEXAS DEPARTMENT OF PUBLIC WORKS

05/19/2017

NOTES:

	SHEET INDEX
SHEET NUMBER	NAME
G001	SITE COVER
G003	LEGEND
C1001	PROJECT OVERVIEW PLAN
E1001	ELECTRICAL PLAN
E5001	ELECTRICAL DETAILS
CT1001	TRAFFIC CONTROL PLAN
CT1002	TRAFFIC CONTROLPLAN
S5001	STRUCTURAL DETAILS
S5002	CITY OF AUSTIN STANDARD DETAILS
A1001	ARCHITECTURAL ELEMENTS

CORRECTIONS RECORD

NO	DESCRIPTION	BY	REVISE (R) ADD (D) VOID (V) SHEET NO.'s	TOTAL # SHEETS IN PLAN SET	NET CHANGE IMPV. COVER (sq.ft.)	TOTAL SITE IMPV. COVER (sq.ft.) %	CITY OF AUSTIN APPROVAL / DATE



REHABILITATION OF THE 1887 WEST SIXTH STREET BRIDGE AT SHOAL CREEK -PHASE II



PROJECT INFORMATIC	N:	
STREET ADDRESS: WEST SIXTH STREET AT SHOAL CREEK AUSTIN, TX 78701		
SHOAL CREEK CONSERVANCY: AUSTIN, TEXAS 701 RIO GRANDE STREET AUSTIN, TEXAS 78701 (512)474-2412	PROJECT MANAGEMENT: CITY OF AUSTIN PUBLIC WORKS DEPARTMENT PROJECT MANAGEMENT DIVISION 505 BARTON SPRINGS RD., STE. 900 AUSTIN, TEXAS 78704	
CONTACT: JOANNA WOLAVER PHONE: (512) 474-2412 EMAIL: joanna@shoalcreekconservancy.org	CONTACT: PHONE: (512) 974 FAX: (512) EMAIL:@austintexas.gov	
PREPARED & SUBMITT	ED FOR APPROVAL	<u>BY:</u>
	ESD ENGINEERING SERVICES DIVISION	
	CITY OF AUSTIN PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES DIVISION 505 BARTON SPRINGS RD., STE. 900 AUSTIN, TEXAS 78704	
	CONTACT: Pirouz Moin, P.E. PHONE: (512) 974-8769 FAX: (512) 974-XXXX EMAIL: Pirouz.Moin@austintexas.gov	
REVIEWED BY:		
PUBLIC WORKS DEPARTMENT (PMD PM)		DATE
PUBLIC WORKS DEPARTMENT (ESD DM)		DATE
AUSTIN WATER		DATE
AUSTIN TRANSPORTATION DEPARTMENT		DATE
AUSTIN FIRE DEPARTMENT		DATE
TEXAS DEPARTMENT OF TRANSPORTATIO	DN	DATE
APPROVED BY:		

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DEVELOPMENT SERVICES DEPARTMENT

SITE PLAN / DEVELOPMENT PERMIT NUMBER

[NUMBER]

2017 3:21 P.

		EXIS	STING FEATURES		
е	CENTERLINE		BRASS DISK FOUND		STORM DRAIN ARE
	RIGHT OF WAY LINE	\overline{O}	BRASS DISK SET		- DRAINAGE ARROW
	PROPERTY LINE				STORM DRAIN CUR
	EASEMENT LINE			SDCO	
25Y	FLOOD HAZARD ZONE 25 YEAR	BM	BOLTSET	0	STORM DRAIN CLE
100Y	FLOOD HAZARD ZONE 100 YEAR		BENCHMARK FOUND		STORM DRAIN GRA
CWQZ	CRITICAL WATER QUALITY ZONE	BM	BENCHMARK SET		STORM DRAIN HEA
WQTZ	TRANSITION WATER QUALITY ZONE	\bigcirc	CALCULATED POINT	SD	STORM DRAIN MAN
DR	DRAINAGE EDGE		CONTROL POINT FOUND		STORM DRAIN WIN
>	DRAINAGE CENTERLINE	\land	CONTROL POINT SET	WWCO	WASTEWATER CLE
	DITCH EDGE	-	COTTON SPINDLE FOUND	ww	WASTEWATER MAN
TC	TIME OF CONCENTRATION				
——————————————————————————————————————	MAJOR CONTOURS		COTTON SPINDLE SET	VV VV	WASTEWATER MET
	MINOR CONTOURS		DRILL HOLE FOUND	E	WASTEWATER CAP
	PAVED ROAD EDGE	_b_	DRILL HOLE SET	AF Ø	WATER AIR FLUSH
	PAVED PARKING / DRIVEWAY EDGE	۲	HUB & TACK FOUND	$\stackrel{AR}{\otimes}$	WATER AIR RELEA
	GRAVEL EDGE	0	HUB & TACK SET	Γ	WATER CAP
	CURB LINE	۲	IRON PIPE FOUND	D	WATER DRAINAGE
		\bigcirc	IRON PIPE SET	F	WATER FIRE CONN
0 0 0	GUARDRAIL			⊖ FH	
				⊕ w	
		\bigcirc	IRON ROD SET	\bigcirc	WATER MANHOLE
XX			MONUMENT FOUND	W	WATER METER
////			MONUMENT SET	\triangleright	WATER REDUCER
			MAGNAIL FOUND	WSO 🚫	WATER SHUTOFF \
-0000000000000000000000-	STONE / ROCK WALL	\triangle	MAGNAIL SET	\bigotimes^{W}	WATER VALVE
	BRICK WALL	٢	PROPERTY PIN FOUND	W	WATER WELL
	TREE LINE		PROPERTY PIN SET	$\langle \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	
СОН	COMMUNICATION OVERHEAD	ТВМ			
C UG	COMMUNCATION UNDERGROUND	TBM	TEMP. BENCHMARK FOUND		
FO OH	FIBER OPTIC OVERHEAD	\bigtriangleup	TEMP. BENCHMARK SET		
FO UG	FIBER OPTIC UNDERGROUND	۲	CROSS FOUND		
TS OH	TRAFFIC SIGNAL OVERHEAD	\bigcirc	CROSS SET		
TS UG	TRAFFIC SIGNAL UNDERGROUND		BIKE RACK		
E OH	ELECTRIC OVERHEAD	0	BOLLARD		
——————————————————————————————————————	ELECTRIC UNDEGROUND	P	BENCH		
CW	CHILLED WATER LINE				
CW	CHILLED WATER ABANDONED				
G	NATURAL GAS LINE	0	GARBAGE CAN		
G	NATURAL GAS ABANDONED	2	GUARDRAIL POST		
R	RECLAIMED WATER LINE		MAILBOX		
R	RECLAIMED WATER ABANDONED	PM	PARKING METER		
IR	IRRIGATION LINE	0	POST		
IR	IRRIGATION ABANDONED		RAMP		
>>	STORM DRAIN LINE		TREE GRATE		
>>	STORM DRAIN ABANDONED				
W	WATER LINE	U U	SIGN		
W	WATER ABANDONED		MANHOLE UNKNOWN		
>	WASTEWATER LINE	\bullet	TEST PIT		
		•	BORE HOLE		
			RAILROAD SIGNAL		
$ \longrightarrow$	FORCE MAIN ABANDONED	$\langle \cdot \rangle$	SHRUB		
		(\cdot)	TREE		

RAIN AREA INLET	C □	COMMUNICATION PEDESTAL
ARROW	с Х	COMM. JUNCTION BOX
RAIN CURB INLET	c	COMMUNICATION MANHOLE
RAIN CLEANOUT		COMMUNICATION POLE
RAIN GRATE INLET	С	COMMUNICATION VAULT
RAIN HEADWALL	FO	FIBER OPTIC MANHOLE
RAIN MANHOLE	FO M	FIBER OPTIC JUNCTION BOX
RAIN WINGWALL	۹	ELECTRIC ANCHOR
TER CLEANOUT	E	ELECTRIC JUNCTION BOX
TER MANHOLE	@ —	ELECTRIC LIGHT POLE
ATER METER	E	ELECTRIC MANHOLE
ATER CAP	E	ELECTRIC METER
R FLUSH VALVE		ELECTRIC POLE
R RELEASE VALVE	E	ELECTRIC VAULT
٩P	\square	ELECTRIC TOWER
RAINAGE VALVE	CW	CHILLED WATER MANHOLE
RE CONNECTION	C₩	CHILLED WATER VALVE
RE HYDRANT	G	NATURAL GAS LIGHT
ANHOLE	G	NATURAL GAS MANHOLE
ETER	G	NATURAL GAS METER
EDUCER	G⊗	NATURAL GAS VALVE
HUTOFF VALVE	0	NATURAL GAS VENT
ALVE	IC ⊗	IRRG. CONTROL VALVE0
ELL	SC ⊗	SPRINKLER CONTROL VALVE
	8	SPRINKLER HEAD
	\square	IRRIGATION HOSE BIB
	R	RECLAIMED WATER MANH.
	R	RECLAIMED WATER METER
	R ⊗	RECLAIMED WATER VALVE
	Ŏ	TRAFFIC SIGNAL MANHOLE
	TC ⊠	TRAF. SIGNAL CONTROL BOX
	TP	TRAFFIC SIGNAL PULL BOX
	Ø	TRAFFIC SIGNAL SIGNAL
	=00	TRAF. SIGNAL LIGHT & SIGN.
	0	TRAF. SIGNAL SIGN. EXTEND.
	ţÇţ	LIGHT POLE

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WQTZ
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CENTERLINE RIGHT OF WAY LINE PROPERTY LINE EASEMENT LINE FLOOD HAZARD ZONE 25 YEAR FLOOD HAZARD ZONE 100 YEAR CRITICAL WATER QUALITY ZONE TRANSITION WATER QUALITY ZONE DRAINAGE EDGE DRAINAGE CENTERLINE DITCH EDGE TIME OF CONCENTRATION MAJOR CONTOURS MINOR CONTOURS PAVED ROAD EDGE PAVED PARKING / DRIVEWAY EDGE GRAVEL EDGE PAVED ROAD DEMOLITION PAVED PARKING DEMOLITION CURB LINE CURB LINE DEMOLITION BUILDING LINE GUARDRAIL GUARDRAIL DEMOLITION HANDRAIL HANDRAIL DEMOLITION CHAINLINK FENCE STEEL FENCE FENCE DEMOLITION (GENERIC) STONE / ROCK WALL BRICK WALL TRAFFIC CONE LINE TRANSVERSE JOINT LONGITUDINAL JOINT EROSION ROCK BERM EROSION DIVERSION DIKE EROSION MULCH SOCK EROSION SILT FENCE EROSION TRI-FILTER DIKE EROSION TREE PROTECTION LIMITS OF CONSTRUCTION COMMUNICATION OVERHEAD COMMUNCATION UNDERGROUND COMMUNICATION DEMOLITION TRAFFIC SIGNAL OVERHEAD TRAFFIC SIGNAL UNDERGROUND TRAFFIC SIGNAL DEMOLITION ELECTRIC OVERHEAD ELECTRIC UNDEGROUND ELECTRIC DEMOLITION CHILLED WATER LINE CHILLED WATER TO ABANDON CHILLED WATER DEMOLITION RECLAIMED WATER LINE RECLAIMED WATER TO ABANDON RECLAIMED WATER DEMOLITION

PROPOSED FEATURES

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1	
l	
•	BOLLARD
Н	BENCH
BUS	BUS STOP
0	GARBAGE CAN
	GUARDRAIL POST
	MAILBOX
РM	PARKING METER
•	POST

RAMP

SIGN

SHRUB

• TREE

🔯 TREE GRATE

IRRIGATION LINE IRRIGATION TO ABANDON IRRIGATION DEMOLITION STORM DRAIN LINE STORM DRAIN TO ABANDON STORM DRAIN DEMOLITION PERFORATED DRAIN		REV. BY DATE REV. DESCRIPTIO		
WATER LINEWATER TO ABANDONWATER DEMOLITIONWATER DEMOLITIONWASTEWATER LINEFORCE MAIN LINEWASTEWATER TO ABANDONFORCE MAIN TO ABANDONFORCE MAIN TO ABANDONFORCE MAIN TO ABANDONFORCE MAIN DEMOLITIONFORCE MAIN DEMOLITION			TOTOS	
Image: Note: N	CCOMMUNICATION PEDESTALCCOMM. JUNCTION BOXCOMMUNICATION MANHOLECCOMMUNICATION POLECCOMMUNICATION VAULTFIBER OPTIC MANHOLEFIBER OPTIC JUNCTION BOXFIBER OPTIC LIGHT POLEFIBER ELECTRIC MANHOLEFIBER ELECTRIC VAULTFIBER ELECTRIC TOWERFIBER OPTIC TOWER <td< td=""><td>CITY OF AUSTIN, TEXAS DEPARTMENT OF PUBLIC WORKS ENGINEERING SERVICES DIVISION</td><td>KEHABILITATION OF THE 1887 WEST SIXTH STREET BRIDGE AT SHOAL CREEK - PHASE II</td><td>LEGEND</td></td<>	CITY OF AUSTIN, TEXAS DEPARTMENT OF PUBLIC WORKS ENGINEERING SERVICES DIVISION	KEHABILITATION OF THE 1887 WEST SIXTH STREET BRIDGE AT SHOAL CREEK - PHASE II	LEGEND
WATER METER WATER REDUCER WATER SHUTOFF VALVE WATER VALVE WATER WELL	 NATURAL GAS METER NATURAL GAS VALVE NATURAL GAS VALVE NATURAL GAS VENT IRRG. CONTROL VALVE0 SPRINKLER CONTROL VALVE SPRINKLER HEAD IRRIGATION HOSE BIB RECLAIMED WATER MANH. RECLAIMED WATER METER RECLAIMED WATER VALVE TRAFFIC SIGNAL MANHOLE TRAFFIC SIGNAL PULL BOX TRAFFIC SIGNAL SIGNAL TRAF. SIGNAL LIGHT & SIGN. TRAF. SIGNAL SIGN. EXTEND. 	NOTES SURVEY BY DRAWN BY DESIGNED BY CHECKED BY REVIEWED BY	NAME XXX /	DATE

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	KEYNOTE (CIPHER
Key	Work Category	Spec Series
С	Civil	100, 200, 500
D	Demolition	100, 400
E	Electrical	16000
L	Landscape	600, 1300
Ρ	Paving	300, 400, 1300
S	Structural	700, 44300, 51700
Т	Traffic	800

Structural repairs as drawn and specified are representative of the materials, locations, and capacity of repairs required. Details are based on available information and may be partly conjectural. Modifications to repair details and specifications may be required for existing conditions.

Field verify all existing structural dimensions and conditions. Dimensions shown on the Drawings are approximate. Obtain all measurements as necessary to coordinate with and match new construction to existing conditions. Obtain clarification from the Engineer as necessary to complete the work.

- Mock-ups required for the following:
- South parapet Anchor rod installation, stone replacement and repointing.
- North parapet Anchor rod installation, masonry reconstruction
- (E1) Electrical lighting and circuits, ref. E1001 and E5001.
- (S2) Reconstruct north bridge parapet, ref. 5/S5002.
- (S3) Retrofit south bridge parapet, ref. 4/S5002.
- (S4) Replace pier capstones to match originals.
- (D1) Remove existing sidewalks to extent indicated.
- (D4) Remove existing metal beam guard fence.
- (A1) Pedestrian guardrails (temporary), ref. S5002.

NOTES

No current site survey was available at the time this set of drawings was prepared. This CONSTRUCTION DOCUMENT set was based on a City of Austin Engineering Services Division Lidar Survey (undated) and a 6th and Lamar East Block Existing Conditions PDF prepared by Longaro & Clarke Consulting Engineers dated February of 2012.

Architectural, Lighting and Electrical not shown. Refer A1001 and E1001 and E5001.



REV. NO	ВΥ	DATE	REV. DESCRIPTION



05/19/2017





F LIGHTING CONTROLS SHALL BE PROVIDED AT ELECTRICAL SERVICE IN GUTTER(S)/ENCLOSURES WITH POWER-PACKS AND DIMMING CONTROLS.

G LOW-VOLTAGE WIRING SHALL BE ROUTED IN SEPARATE ENCLOSURES AND RMC CONDUIT.



6. CONTRACTOR SHALL MAKE CONSIDERABLE EFFORT TO ENSURE ALL

7. CONTRACTOR SHALL FIELD-VERIFY CONDITIONS PRIOR TO

PHASE II KEYED NOTES:

- (E3) PARAPET LIGHTING, EXTEND CONDUIT AND WIRING FROM NEW
- (E4) PATHWAY LIGHTING, EXTEND CONDUIT AND WIRING FROM NEW

PHASE III KEYED NOTES:

PHASE IV KEYED NOTES:

LEGEND:

——————————————————————————————————————	NEW UNDERGROUND CONDUIT
	NEW UNDERGROUND CONDUIT - BURIED
	NEW LIGHT FIXTURE
	NEW LIGHT FIXTURE - BELOW BRIDGE



PROJECT: SHOAL CREEK BRIDGE REHABILITATION					
ELECTRICAL SERVICE: 120/240V, 1 PHASE, 3 WIRE					
LOAD	CONNECTED		DEMAND	C	LCULATED
	KVA*				KVA**
(ADDITIONAL) LIGHTING LOAD	2.5	х	1.25	=	3.10
(ADDITIONAL) LARGEST MOTOR	0.0	х	1.25	=	0.0
(ADDITIONAL) AIR CONDITIONERS	0.0	х	1.00	=	0.0
(ADDITIONAL) EXHAUST FANS	0.0	Х	1.00	=	0.0
(ADDITIONAL) PUMPS	0.0	х	1.00	=	0.0
(ADDITIONAL) WATER HEATERS	0.0	Х	1.00	=	0.0
(ADDITIONAL) EQUIPMENT/POWER	0.0	Х	1.00	=	0.0
(ADDITIONAL) RECEPTACLES	0	Х	50% > 10	=	0.0
TOTAL ADDITIONAL KVA	2				3
TOTAL ADDITIONAL AMPS (=KVA*1000/V/1.73)	21				26
TOTAL EXISTING KVA (0% DIVERSITY, THREE RECEPTACLES RARELY IN USE)					0
TOTAL EXISTING AMPS (=KVA*1000/V/1.73)					0
TOTAL OVERALL KVA					3
TOTAL OVERALL AMPS (=KVA*1000/V/1.73)					26

FIXTURE	
MANUFACTURER AND	
MODEL NUMBER	NOTES
ACUITY	1, 2
GR1408-LTD-ENC-SC-SM-NE*	
ACUITY	3, 4
408-LTD-INT-8FCR-IDIM-DTC-DV	
ECOSENSE	4
LDCM-PL-120-277-010V-GR	
TIVOLI	4
ADNM-320-4-5-12-D	
BEGA	4
19591	
ACUITY	5
PCELL-2WO-BB	





CT1002 7 OF	0 200 HORIZONTAL SCALE IN F	REVIEWED BY	DRAWN BY DESIGNED BY CHECKED BY	SURVEY BY XXX	SPARKS ENGINEERING, INC. TEXAS REGISTERED ENGINEERING FIRM F-00515 933 NORTH FLORES STREET SAN ANTONIO, TEXAS 78212	CITY OF AUSTIN, TEXAS DEPARTMENT OF PUBLIC WORKS ENGINEERING SERVICES DIVISION REHABILITATION OF THE 1887 WEST SIXTH STREET BRIDGE AT SHOAL CREEK - PHASE II	THE OF TELESON BELLEICK SPARK 70196 G/STERE 05/19/2017	REV. BY DA	TE REV. DESCRIP	NOIL
10	400 EET			XXX	p 210-229-0669 w w w . s p a r k s e n g i n e e r i n g . c o m	TRAFFIC CONTROL PLAN SHEET 2				





existing conditions.

(S2)

(S3)

(S4)

(D1)

(D4)

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EVENT

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