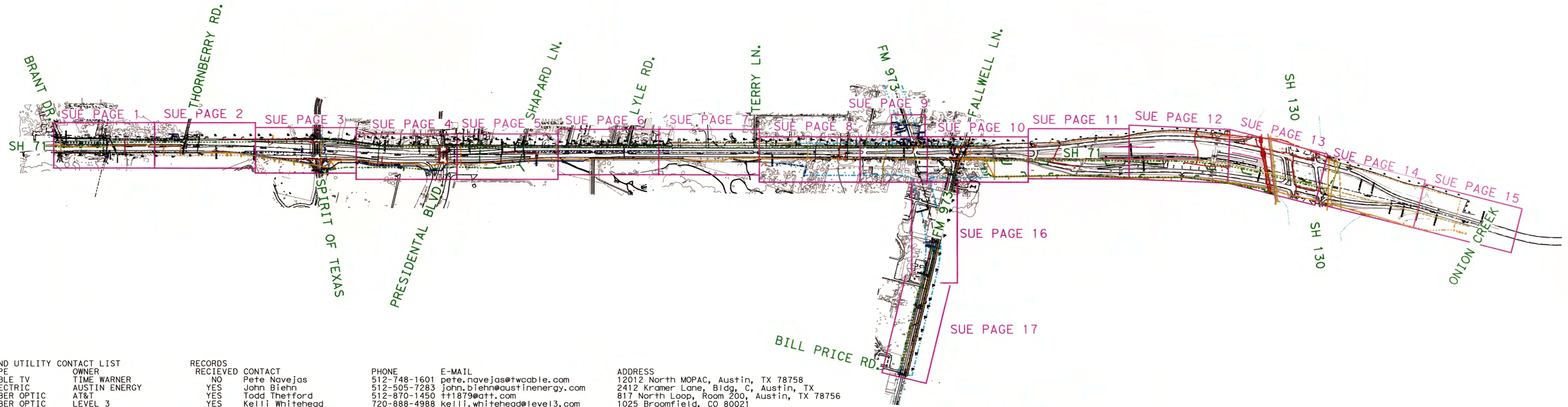


UTILITY STRIP MAP
SH 71 DEL VALLEY
BRANT DR. TO ONION CREEK
SUBSURFACE UTILITY ENGINEERING



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	ATMOS
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	CITY OF AUSTIN
TUG	TELEPHONE	AT&T
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN

RECORDS RECEIVED		
CONTACT	PHONE	E-MAIL
Pete Navejas	512-748-1601	pete.navejas@twcable.com
John Biehn	512-505-7283	john.biehn@austinenergy.com
Todd Thetford	512-870-1450	tt1879@att.com
Kelli Whitehead	720-888-4988	kelli.whitehead@level3.com
Chris Landgraf	512-465-1131	clandgraf@txgas.com
Martin Perez	512-415-8426	Martin.Perez@atmosenergy.com
Michael Walling	210-661-6451	Michael.Walling@kochpipeline.com
Jesus (Chooch) Resendez	915-822-8297	jesus.resendez@kindermorgan.com
Rebecca Curry	713-803-1795	recurry@eprod.com
Kathi Flowers	210-666-6667	Kathi.Flowers@ci.austin.tx.us
Glenn Taffinder	512-972-0213	glenn.taffinder@austintexas.gov
Brian Craig	512-974-3381	
Todd Thetford	512-870-1450	tt1879@att.com
Kathi Flowers	512-972-0213	Kathi.Flowers@ci.austin.tx.us
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Kelli Whitehead	720-888-4988	kelli.whitehead@level3.com
Brent Bright	512-974-2795	brent.bright@atstintexas.com
Davis Laney	512-974-4061	
Todd Thetford	512-870-1450	tt1879@att.com
Kathi Flowers	512-972-0213	Kathi.Flowers@ci.austin.tx.us
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Kathi Flowers	512-972-0213	Kathi.Flowers@ci.austin.tx.us

OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	GAATN
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

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LEGEND

	AERIAL TARGET
	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	EOI
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VALVE
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION (PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE
	APPROX. EXIST. ROW
	APPROX. PROP. ROW
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
	WASTEWATER
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

GENERAL NOTES:

1. THE HORIZONTAL LOCATION OF UTILITIES SHOWN ON THESE DRAWINGS IS ARRIVED AT BY THE USE OF DESIGNATING EQUIPMENT. THESE LINES WERE NOT UNCOVERED TO VERIFY EXACT HORIZONTAL LOCATIONS.
2. THE ACCURACY OF THE HORIZONTAL LOCATION OF UTILITY LINES SHOWN ON THESE PLANS CAN BE INFLUENCED BY FACTORS BEYOND SAM, INC.'S CONTROL, SUCH AS CONDUCTIVITY OF MATERIALS AND THEIR SURROUNDINGS, SOIL MOISTURE CONTENT, PROXIMITY OF OTHER UNDERGROUND UTILITIES OR STRUCTURES, DEPTH OF UTILITY, ETC. THEREFORE, ONLY THE ACCURACY OBTAINED BY ACTUAL EXCAVATION CAN BE GUARANTEED TO APPLICABLE ENGINEERING AND/OR SURVEYING STANDARDS.
3. AS-BUILT DRAWINGS WERE USED TO COMPARE DESIGNATED LOCATIONS TO CONSTRUCTION AS-BUILT LOCATIONS.
4. THE USE OF THE HORIZONTAL LOCATIONS OF THE UTILITIES SHOWN ON THESE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE DUTY TO COMPLY WITH APPLICABLE UTILITY DAMAGE PREVENTION LAWS AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO, GIVING NOTIFICATION TO UTILITY OWNER'S "ONE-CALL" CENTERS BEFORE EXCAVATION.

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" UNLESS OTHERWISE NOTED. SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS.

ABBREVIATIONS:
QL-C DEPICTED ACCORDING TO EXISTING ASSOCIATED UTILITY STRUCTURES.
QL-D NO ELECTRONIC INFORMATION WAS OBTAINED.
(F.O.) DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.
(AATFI) ABANDONED ACCORDING TO FIELD INFORMATION.
(AATUR) ABANDONED ACCORDING TO UTILITY RECORDS.
(EATFI) EMPTY ACCORDING TO FIELD INFORMATION.
(EATUR) EMPTY ACCORDING TO UTILITY RECORDS.
F UTILITY END POINT.
EOI (EOI) END OF ELECTRONIC DESIGNATING INFORMATION (END OF RECORD INFORMATION) UNLESS OTHERWISE NOTED.
X UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT END POINTS OF UTILITIES.
(X) X NUMBER OF WIRES

UTILITY INFORMATION LABELED QL-C OR QL-D IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SAM, INC. EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.



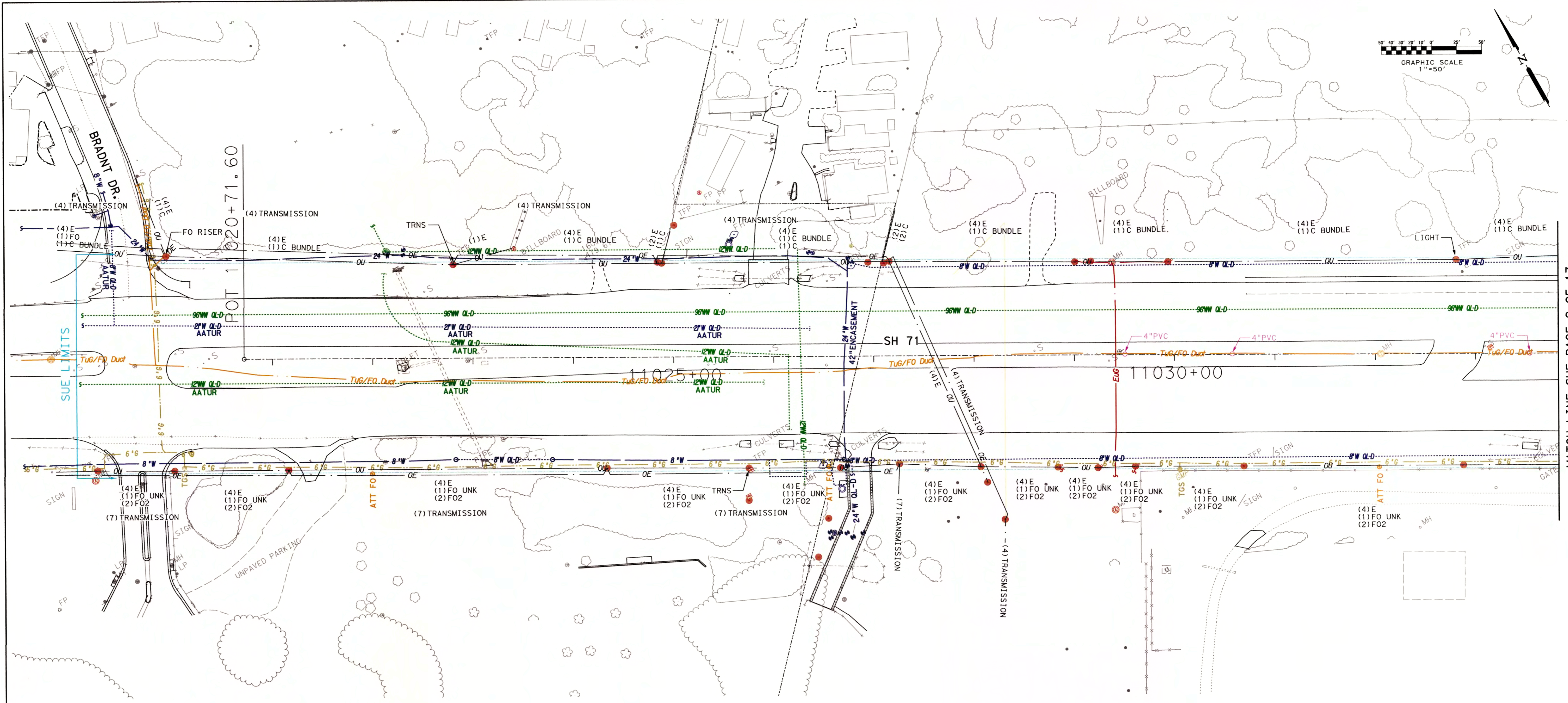
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ALAN J. HORTON, P.E. 111483, ON SEPTEMBER 13, 2013
9/14/13

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SAM INC.
SURVEYING-AERIAL MAPPING-ENGINEERING
TEXAS BOARD OF PROFESSIONAL ENGINEERS
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Building Two, Suite 100
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Office: (512) 447-0575
Fax: (512) 326-3029
www.saminc.biz
CLIENT: HNTB
SAM #: 33384-30
SCALE: 1"=50'
DATE: SEPTEMBER 9, 2013
PROJECT MANAGER: ALAN HORTON
PROJECT ENGINEER: ALAN HORTON
TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE INDEX PAGE OF 17			
FED. RD. DIV. NO.	AID PROJECT NO.	SHEET NO.	
6		1	
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71

NO.	DATE	REVISION DESCRIPTION	BY



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO1	FIBER OPTIC	AT&T
FO2	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	ATMOS
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	CITY OF AUSTIN
TUG	TELEPHONE	AT&T
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN
OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO1	FIBER OPTIC	AT&T
FO2	FIBER OPTIC	LEVEL 3
FO3	FIBER OPTIC	GAATN
T	TELEPHONE	TIME WARNER TELECOM

NO.	DATE	REVISION DESCRIPTION	BY

LEGEND	
	AERIAL TARGET
	APPROX. EXIST. ROW
	APPROX. PROP. ROW
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
	WASTEWATER
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES
	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	END OF INFORMATION
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VALVE
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TELEPHONE SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION (PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE

GENERAL NOTES:

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ABBREVIATIONS:

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NO ELECTRONIC INFORMATION WAS OBTAINED.

DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.

(F.O.) FIBER OPTIC

(AATF1) ABANDONED ACCORDING TO FIELD INFORMATION.

(AATUR) ABANDONED ACCORDING TO UTILITY RECORDS.

(EATF1) EMPTY ACCORDING TO FIELD INFORMATION.

(EATUR) EMPTY ACCORDING TO UTILITY RECORDS.

UTILITY END POINT.

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(X) X NUMBER OF WIRES

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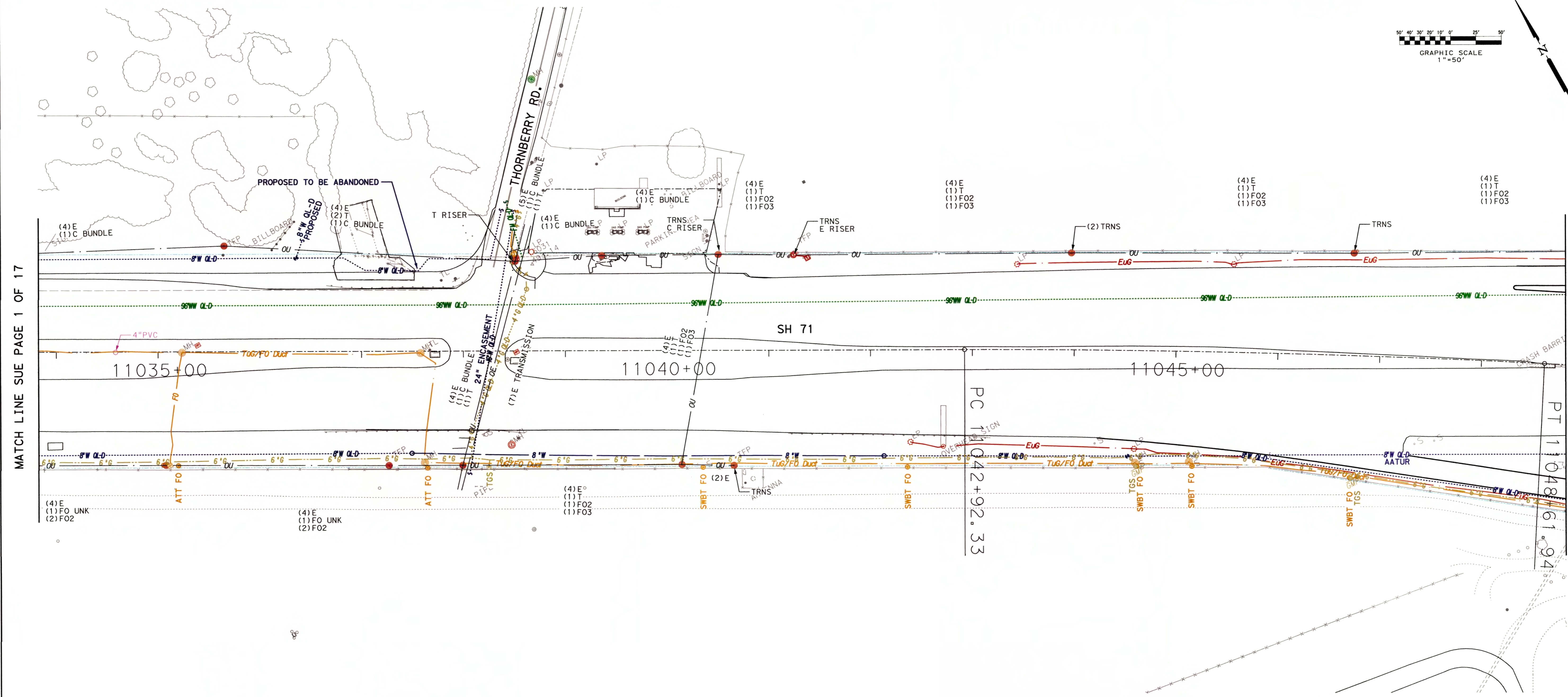
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Fax: (512) 328-3029
www.saminc.biz
CLIENT: HNTB
SAM #33384-30
SCALE: 1"=50'
DATE: SEPTEMBER 9, 2013
PROJECT MANAGER: ALAN HORTON
ENGINEER: ALAN HORTON
TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE PAGE 1 OF 17			
FED. RD. DIV. NO.	AID PROJECT NO.	SHEET NO.	
6		2	
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71

MATCH LINE SUE PAGE 2 OF 17

MATCH LINE SUE PAGE 1 OF 17



MATCH LINE SUE PAGE 3 OF 17

UNDERGROUND UTILITY CONTACT LIST			
LINE	TYPE	OWNER	
CATVUG	CABLE TV	TIME WARNER	
EUG	ELECTRIC	AUSTIN ENERGY	
F0	FIBER OPTIC	AT&T	
F01	FIBER OPTIC	LEVEL 3	
G	GAS	TEXAS GAS SERVICE	
G1	GAS	ATMOS	
G2	GAS	KOCH	
G3	GAS	KINDER MORGAN	
G4	GAS	ENTERPRISE	
G5	GAS	SAN ANTONIO PIPELINE	
RW	RECLAIM WATER	CITY OF AUSTIN	
STM	STORM	CITY OF AUSTIN	
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WW	WASTEWATER	CITY OF AUSTIN	
OVERHEAD UTILITY CONTACT LIST			
LINE	TYPE	OWNER	
C	CABLE TV	TIME WARNER	
E	ELECTRIC	AUSTIN ENERGY	
F0	FIBER OPTIC	AT&T	
F01	FIBER OPTIC	LEVEL 3	
F02	FIBER OPTIC	GAATN	
F03	FIBER OPTIC	WARNER TELECOM	
T	TELEPHONE	AT&T	

NO.	DATE	REVISION DESCRIPTION	BY

LEGEND	
	AERIAL TARGET
	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	EOI
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VALVE
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION
	(PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER METER
	WATER VALVE
	WATER VENT PIPE

	CATVUG
	EUG
	F0
	FM
	G
	OU
	RW
	STM
	TUG
	UNKNOWN
	W
	WW
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

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(X) X NUMBER OF WIRES

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9/16/13

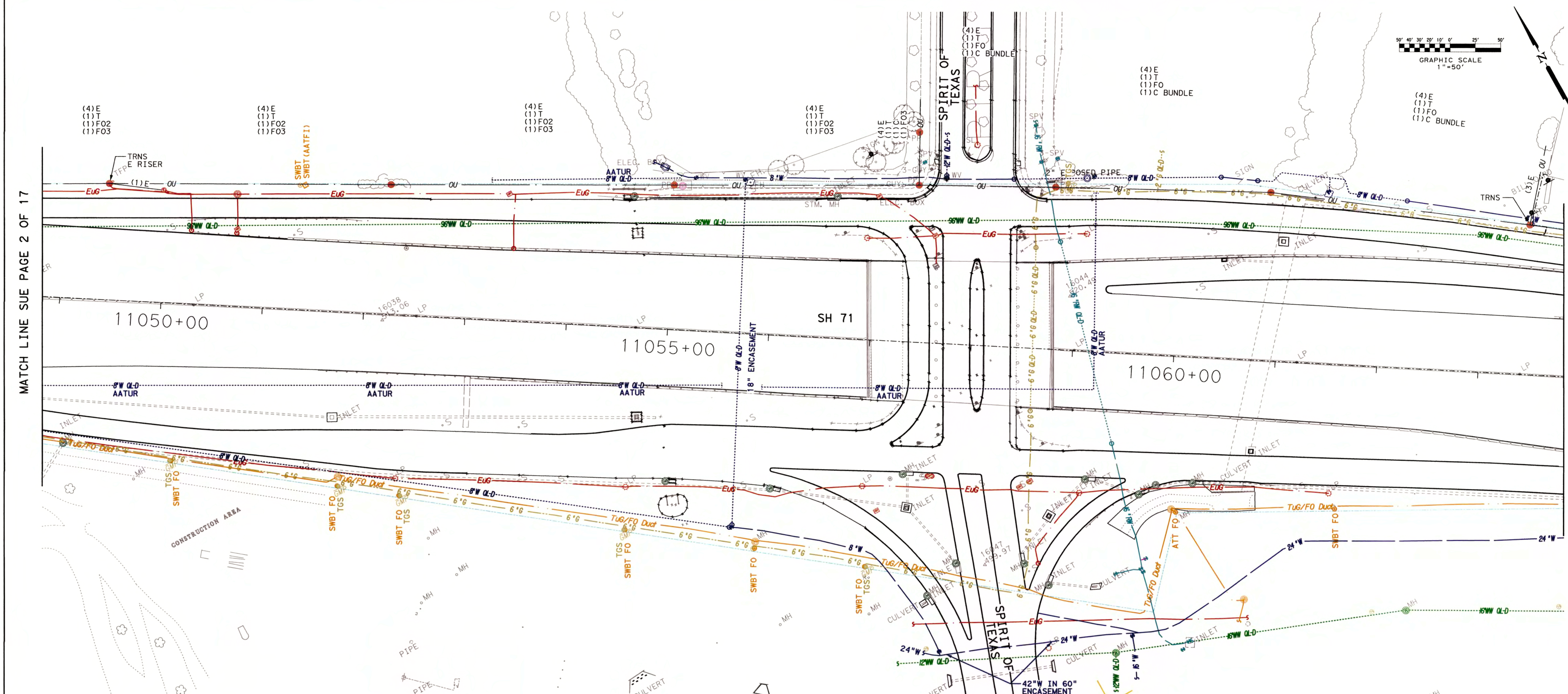
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PROJECT ENGINEER: ALAN HORTON
TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE PAGE 2 OF 17			
FED. RD. DIST. NO.	AID PROJECT NO.		SHEET NO.
6			3
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71

MATCH LINE SUE PAGE 2 OF 17

MATCH LINE SUE PAGE 4 OF 17



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	ATMOS
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TUG	TELEPHONE	AT&T
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN
OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	GAATN
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

LEGEND	
	AERIAL TARGET
	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	FOI
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION
	(PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE

	APPROX. EXIST. ROW
	APPROX. PROP. ROW
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
	WASTEWATER
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

GENERAL NOTES:

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ABBREVIATIONS:

DEPICTED ACCORDING TO EXISTING ASSOCIATED UTILITY STRUCTURES.

NO ELECTRONIC INFORMATION WAS OBTAINED.

DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.

QL-D (F.O.) FIBER OPTIC

(AATF1) ABANDONED ACCORDING TO FIELD INFORMATION.

(AATUR) ABANDONED ACCORDING TO UTILITY RECORDS.

(EATF1) EMPTY ACCORDING TO FIELD INFORMATION.

(EATUR) EMPTY ACCORDING TO UTILITY RECORDS.

E- UTILITY END POINT.

EOI(EORI) END OF ELECTRONIC DESIGNATING INFORMATION (END OF RECORD INFORMATION) UNLESS OTHERWISE NOTED. UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT END POINTS OF UTILITIES.

(X) X NUMBER OF WIRES

UTILITY INFORMATION LABELED QL-C OR QL-D IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SAM, INC. EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ALAN J. HORTON P.E. 111483, ON SEPTEMBER 13, 2013

9/16/13

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SAM INC.
SURVEYING-AERIAL MAPPING-ENGINEERING

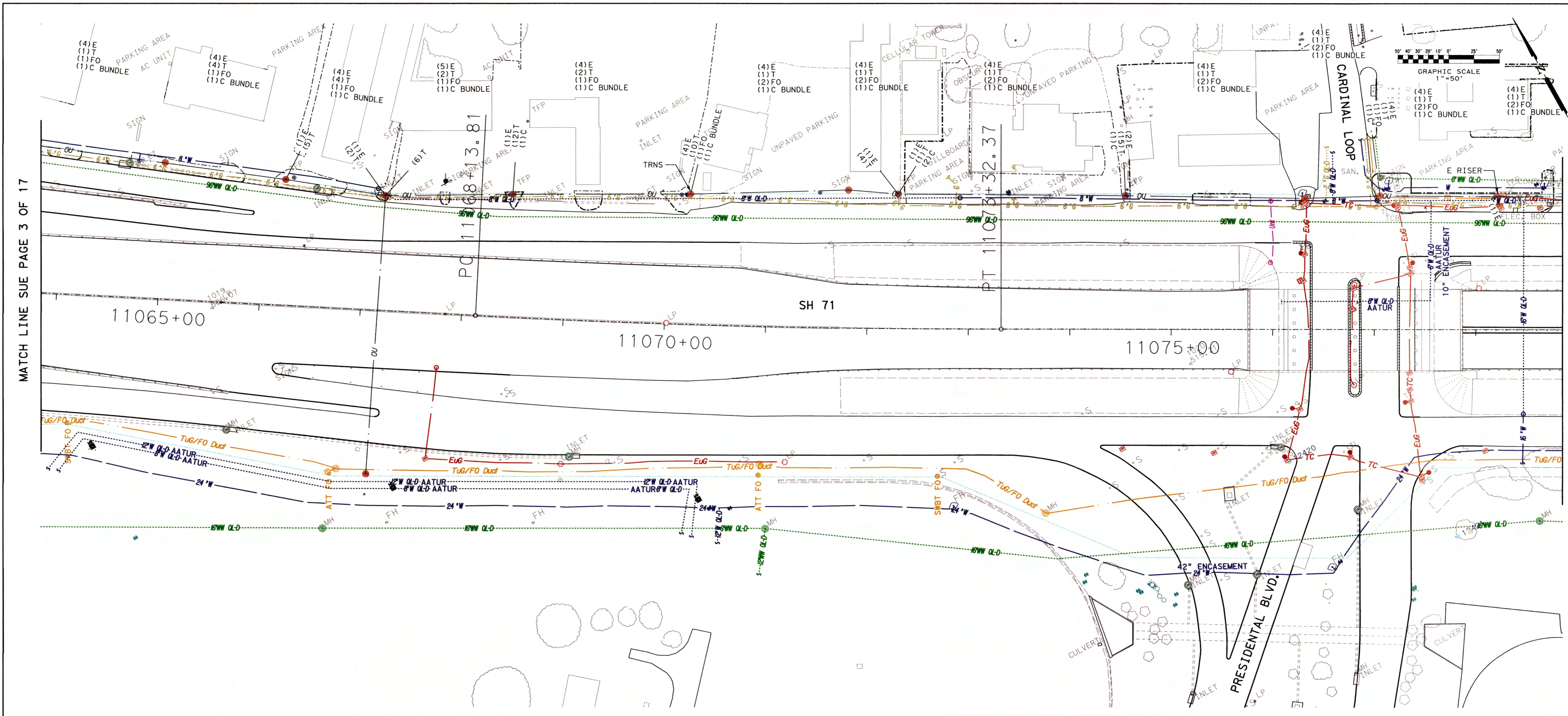
TEXAS BOARD OF PROFESSIONAL ENGINEERS
COMPANY REGISTRATION # F-1937
4801 Southwest Parkway
Building Two, Suite 100
Austin, Texas 78735
Office: (512) 447-0575
Fax: (512) 326-3029
www.saminc.biz

CLIENT: HNTB
SAM #: 33384-30
SCALE: 1"=50'
DATE: SEPTEMBER 9, 2013
PROJECT MANAGER: ALAN HORTON
PROJECT ENGINEER: ALAN HORTON
TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE PAGE 3 OF 17			
FED. RD. DIV. NO.	AID PROJECT NO.		SHEET NO.
6			4
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71

MATCH LINE SUE PAGE 3 OF 17

MATCH LINE SUE PAGE 5 OF 17



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	AT&M
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	AT&T
TUG	TELEPHONE	CITY OF AUSTIN
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN

OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	AT&T
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

NO.	DATE	REVISION	DESCRIPTION	BY

LEGEND

AERIAL TARGET

- CATV MANHOLE
- CATV PEDESTAL
- CURB INLET
- DROP OR GRATE INLET
- ELECTRIC HAND HOLE
- ELECTRIC MANHOLE
- EOI
- FIRE HYDRANT
- GAS MANHOLE
- GAS MARKER POST
- GAS TEST STATION
- GAS VALVE
- GAS VENT PIPE
- LIGHT STANDARD
- POWER POLE
- POWER POLE WITH RISER
- STORM MANHOLE
- TELEPHONE MANHOLE
- TELEPHONE MARKER POST
- TELEPHONE PEDESTAL
- TELEPHONE POLE
- TELEPHONE POLE WITH RISER
- TEST HOLE
- TRAFFIC CONTROL BOX
- TRAFFIC SIGNAL BOX
- TRAVERSE POINT
- TXDOT MONUMENT
- UTILITY CONTINUATION (PROJECT LIMITS)
- WASTEWATER CLEANOUT
- WASTEWATER MANHOLE
- WATER MANHOLE
- WATER MARKER POST
- WATER METER
- WATER VALVE
- WATER VENT PIPE

APPROX. EXIST. ROW

APPROX. PROP. ROW

CABLE TV

ELECTRIC

FIBER OPTIC

FORCE MAIN

GAS

OVERHEAD UTILITIES

RECLAIMED WATER

STORM

TELEPHONE

TRAFFIC CONTROL

UNKNOWN

WATER

WASTEWATER

QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)

ONE CALL LINES

GENERAL NOTES:

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QL-D (F.O.) DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.

(AATFI) ABANDONED ACCORDING TO FIELD INFORMATION.

(AATUR) ABANDONED ACCORDING TO UTILITY RECORDS.

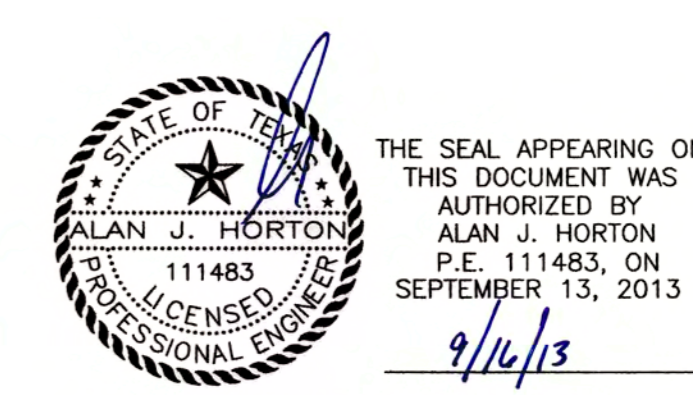
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(EATUR) EMPTY ACCORDING TO UTILITY RECORDS.

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SURVEYING - AERIAL MAPPING - ENGINEERING

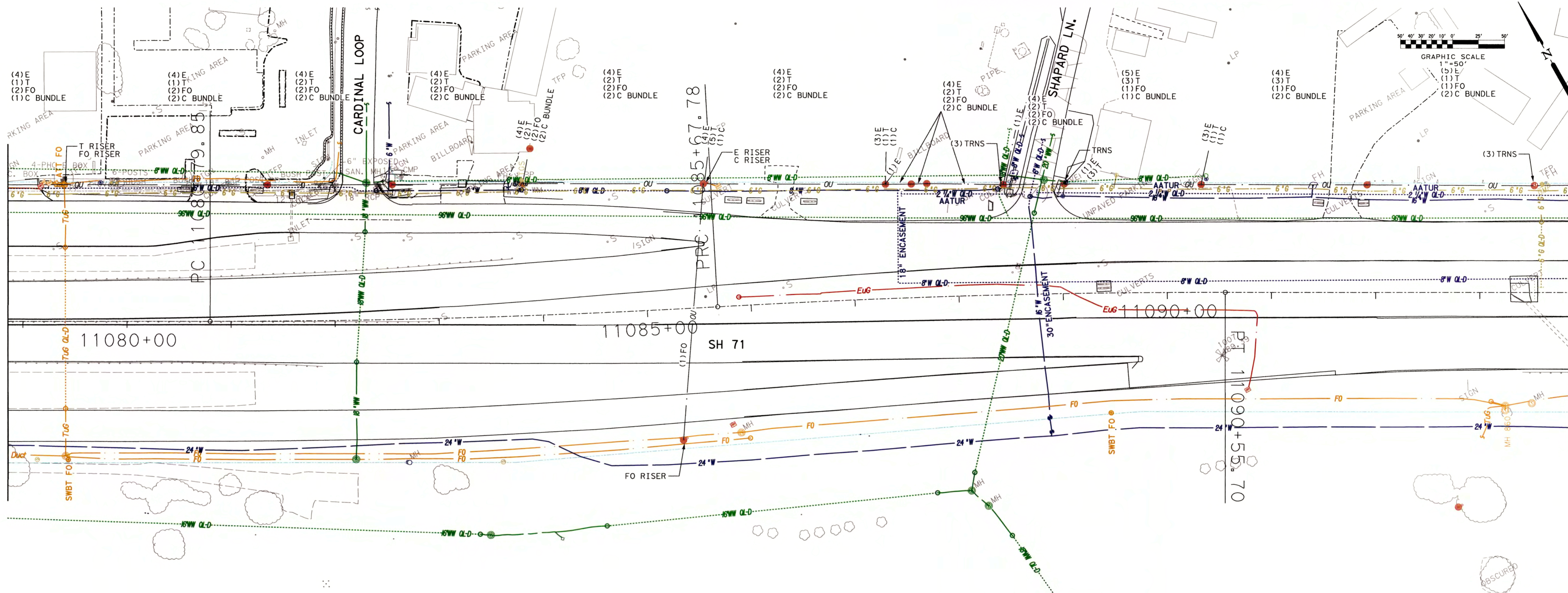
TEXAS BOARD OF PROFESSIONAL ENGINEERS
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Fax: (512) 426-3029
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CLIENT: HNTB
SAM #: 33384-30
SCALE: 1"=50'
DATE: SEPTEMBER 9, 2013
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TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE PAGE 4 OF 17			
FED. RD. DIV. NO.	AID PROJECT NO.		SHEET NO.
6			5
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71

MATCH LINE SUE PAGE 4 OF 17

MATCH LINE SUE PAGE 6 OF 17



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G1	GAS	TEXAS GAS SERVICE
G2	GAS	AT&MOS
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	CITY OF AUSTIN
TUG	TELEPHONE	AT&T
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN

OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	AT&T
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

LEGEND

AERIAL TARGET	
	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	EOI
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VALVE
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION
	(PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE

APPROX. EXIST. ROW	
	CATVUG
	EUG
	FO
	FM
	G
	OU
	FM
	STM
	TUG
	TC
	Unk
	W
	WW
APPROX. PROP. ROW	
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
	WASTEWATER
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

GENERAL NOTES:

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ABBREVIATIONS:

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- QL-D DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.
- (F.O.) FIBER OPTIC
(AATFI) ABANDONED ACCORDING TO FIELD INFORMATION.
(AATFI) ABANDONED ACCORDING TO UTILITY RECORDS.
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(X) X NUMBER OF WIRES
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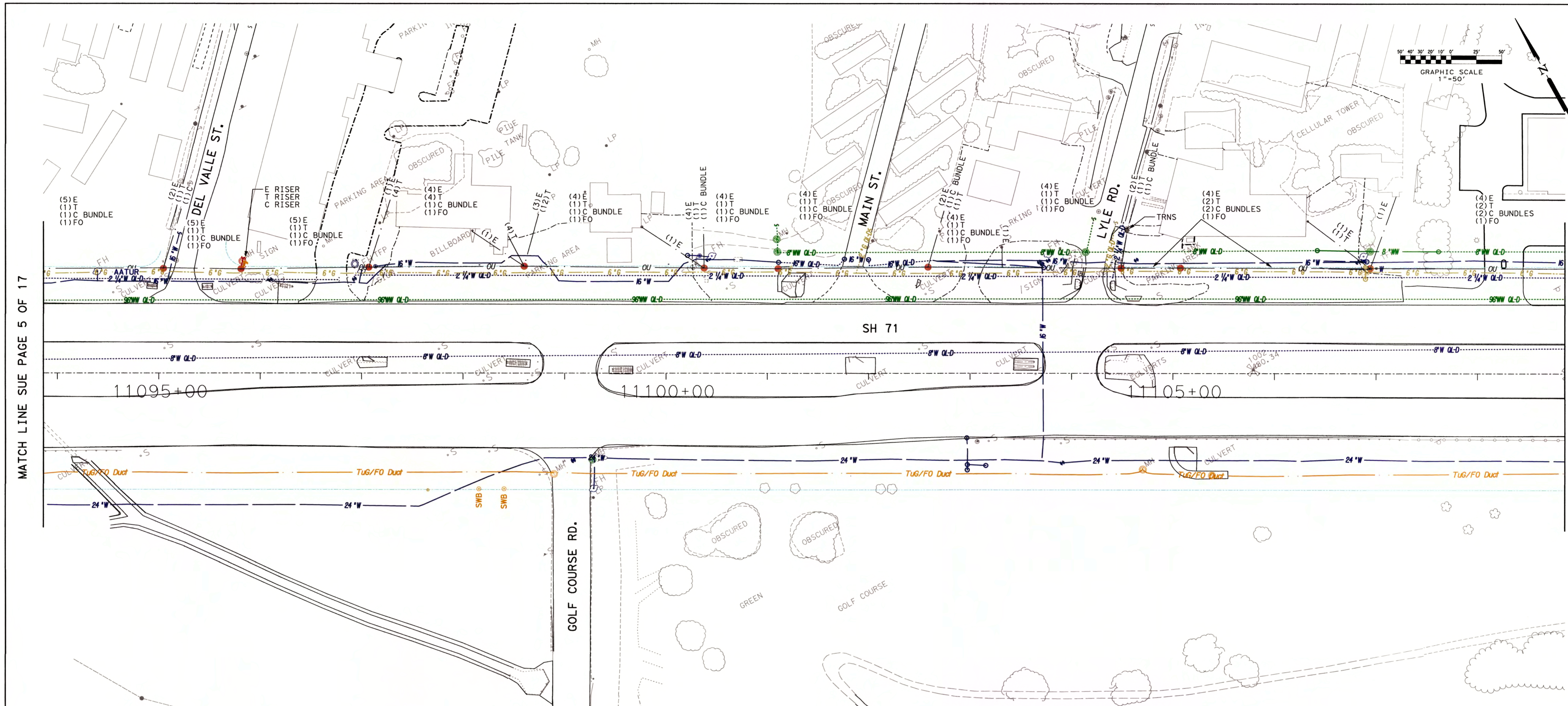
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FIELD BOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE PAGE 5 OF 17			
FED. RD. DIV. NO.	AID PROJECT NO.	SHEET NO.	
6		6	
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71

MATCH LINE SUE PAGE 5 OF 17

MATCH LINE SUE PAGE 7 OF 17



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	ATMOS
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	CITY OF AUSTIN
TUG	TELEPHONE	AT&T
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WW	WASTEWATER	CITY OF AUSTIN
OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	GAATN
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

LEGEND	
AERIAL TARGET	
	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	EOI
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
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	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION (PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE

LEGEND	
	APPROX. EXIST. ROW
	APPROX. PROP. ROW
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
	WASTEWATER
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

GENERAL NOTES:

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(F.O.) DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.

(AATF1) FIBER OPTIC

(AATUR) ABANDONED ACCORDING TO FIELD INFORMATION.

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(EATUR) EMPTY ACCORDING TO FIELD INFORMATION.

(EATUR) EMPTY ACCORDING TO UTILITY RECORDS.

E- UTILITY END POINT.

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(X) X NUMBER OF WIRES

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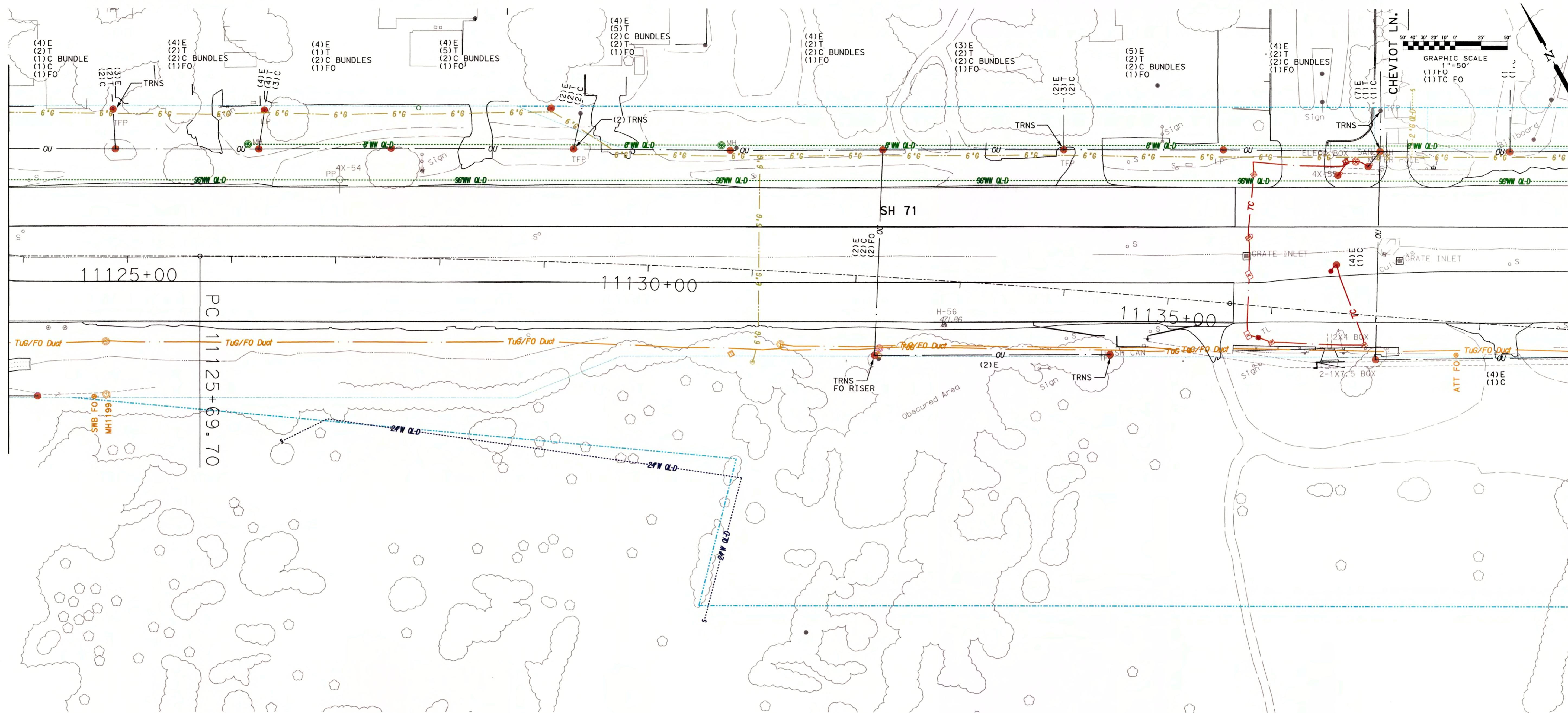
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SAM #: 33384-30
SCALE: 1"=50'
DATES: SEPTEMBER 9, 2013
PROJECT MANAGER: ALAN HORTON
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TECHNICIAN: PETE RICE
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FIELD BOOKS: 10509

SH 71 DEL VALLE
BRANDT DR TO SH 130
SUE QL-B

SUE PAGE 6 OF 17

FED. RD. DIV. NO.	AID PROJECT NO.	SHEET NO.
6		7
STATE	DIST.	COUNTY
TEXAS		TRAVIS
CONT.	SECT.	JOB
		HIGHWAY NO.
		SH 71

NO.	DATE	REVISION DESCRIPTION	BY



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	AT&MOS
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	CITY OF AUSTIN
TUG	TELEPHONE	AT&T
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN

OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	GAATN
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

LEGEND

AERIAL TARGET

	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	EOI
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VALVE
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION (PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE

	APPROX. EXIST. ROW
	APPROX. PROP. ROW
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
	WASTEWATER
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

GENERAL NOTES:

- THE HORIZONTAL LOCATION OF UTILITIES SHOWN ON THESE DRAWINGS IS ARRIVED AT BY THE USE OF DESIGNATING EQUIPMENT. THESE LINES WERE NOT UNCOVERED TO VERIFY EXACT HORIZONTAL LOCATIONS.
- THE ACCURACY OF THE HORIZONTAL LOCATION OF UTILITY LINES SHOWN ON THESE PLANS CAN BE INFLUENCED BY FACTORS BEYOND SAM, INC.'S CONTROL, SUCH AS CONDUCTIVITY OF MATERIALS AND THEIR SURROUNDINGS, SOIL MOISTURE CONTENT, PROXIMITY OF OTHER UNDERGROUND UTILITIES OR STRUCTURES, DEPTH OF UTILITY, ETC. THEREFORE, ONLY THE ACCURACY OBTAINED BY ACTUAL EXCAVATION CAN BE GUARANTEED TO APPLICABLE ENGINEERING AND/OR SURVEYING STANDARDS.
- AS-BUILT DRAWINGS WERE USED TO COMPARE DESIGNATED LOCATIONS TO CONSTRUCTION AS-BUILT LOCATIONS.
- THE USE OF THE HORIZONTAL LOCATIONS OF THE UTILITIES SHOWN ON THESE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE DUTY TO COMPLY WITH APPLICABLE UTILITY DAMAGE PREVENTION LAWS AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO, GIVING NOTIFICATION TO UTILITY OWNER'S "ONE-CALL" CENTERS BEFORE EXCAVATION.

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" UNLESS OTHERWISE NOTED.
SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS.

ABBREVIATIONS:

QL-C	DEPICTED ACCORDING TO EXISTING ASSOCIATED UTILITY STRUCTURES.
QL-D	NO ELECTRONIC INFORMATION WAS OBTAINED.
(F.O.)	DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.
(AATF)	FIBER OPTIC
(AATF)	ABANDONED ACCORDING TO FIELD INFORMATION.
(EATF)	ABANDONED ACCORDING TO UTILITY RECORDS.
(EATF)	EMPTY ACCORDING TO FIELD INFORMATION.
(EATF)	EMPTY ACCORDING TO UTILITY RECORDS.
E	UTILITY END POINT.
EOI (EOI)	END OF ELECTRONIC DESIGNATING INFORMATION (END OF RECORD INFORMATION) UNLESS OTHERWISE NOTED.
(X)	NOTED. UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT END POINTS OF UTILITIES.
(X)	X NUMBER OF WIRES

UTILITY INFORMATION LABELED QL-C OR QL-D IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SAM, INC. EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.



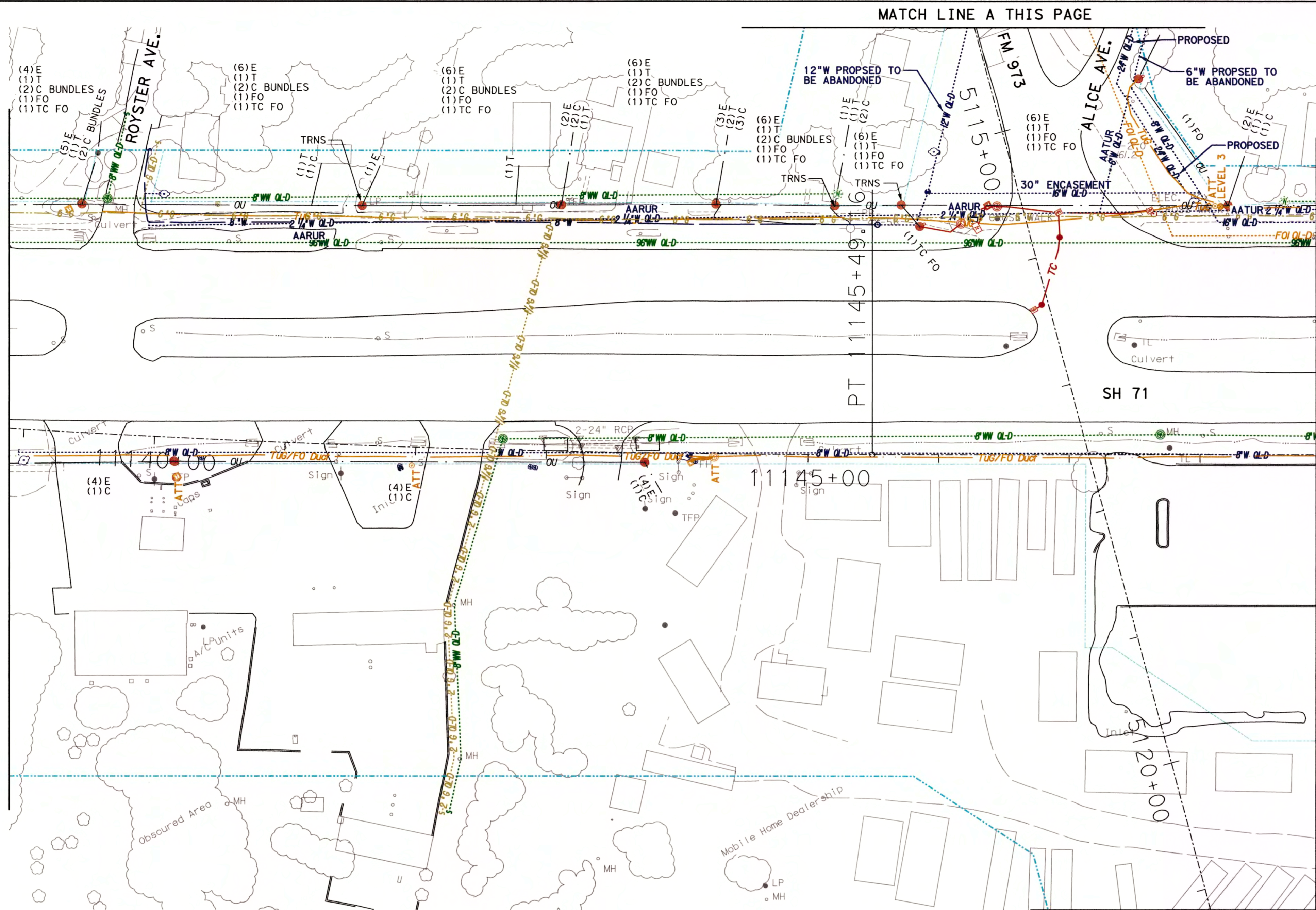
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ALAN J. HORTON P.E. 111483, ON SEPTEMBER 13, 2013
9/16/13

THIS SEAL REPRESENTS THAT THE SURFACE UTILITY ENGINEERING INFORMATION SHOWN ON THESE PLANS WAS PROVIDED TO THE STANDARD OF CARE OF THE INDUSTRY AND UNDER MY SUPERVISION. ALL OTHER INFORMATION IS PROVIDED BY OTHERS.

SAM INC.
SURVEYING-AERIAL MAPPING-ENGINEERING
TEXAS BOARD OF PROFESSIONAL ENGINEERS
COMPANY REGISTRATION # F-1937
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Austin, Texas 78735
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Fax: (512) 326-3029
www.sam-inc.biz
CLIENT: HNTB
SAM #: 33384-30
SCALE: 1"=50'
DATE: SEPTEMBER 9, 2013
PROJECT MANAGER: ALAN HORTON
PROJECT ENGINEER: ALAN HORTON
TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B
SUE PAGE 8 OF 17
FED. RD. DIV. NO. 6 AID PROJECT NO. SHEET NO. 9
STATE DIST. COUNTY TEXAS TRAVIS
CONT. SECT. JOB HIGHWAY NO. SH 71

MATCH LINE SUE PAGE 8 OF 17



MATCH LINE SUE PAGE 10 OF 17

MATCH LINE SUE PAGE 16 OF 17

UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	ATMOS
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	CITY OF AUSTIN
TUG	TELEPHONE	AT&T
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN
OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	GAATN
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

NO.	DATE	REVISION DESCRIPTION	BY

LEGEND	
	AERIAL TARGET
	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	EOI
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VALVE
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION (PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE
	APPROX. EXIST. ROW
	APPROX. PROP. ROW
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
	WASTEWATER
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

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ABBREVIATIONS:

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(AATF) FIBER OPTIC

(AATF) ABANDONED ACCORDING TO FIELD INFORMATION.

(EATF) EMPTY ACCORDING TO FIELD INFORMATION.

(EATUR) EMPTY ACCORDING TO UTILITY RECORDS.

(E) UTILITY END POINT.

EOI (EOIR) END OF ELECTRONIC DESIGNATING INFORMATION (END OF RECORD INFORMATION) UNLESS OTHERWISE NOTED. UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT END POINTS OF UTILITIES.

(X) X NUMBER OF WIRES

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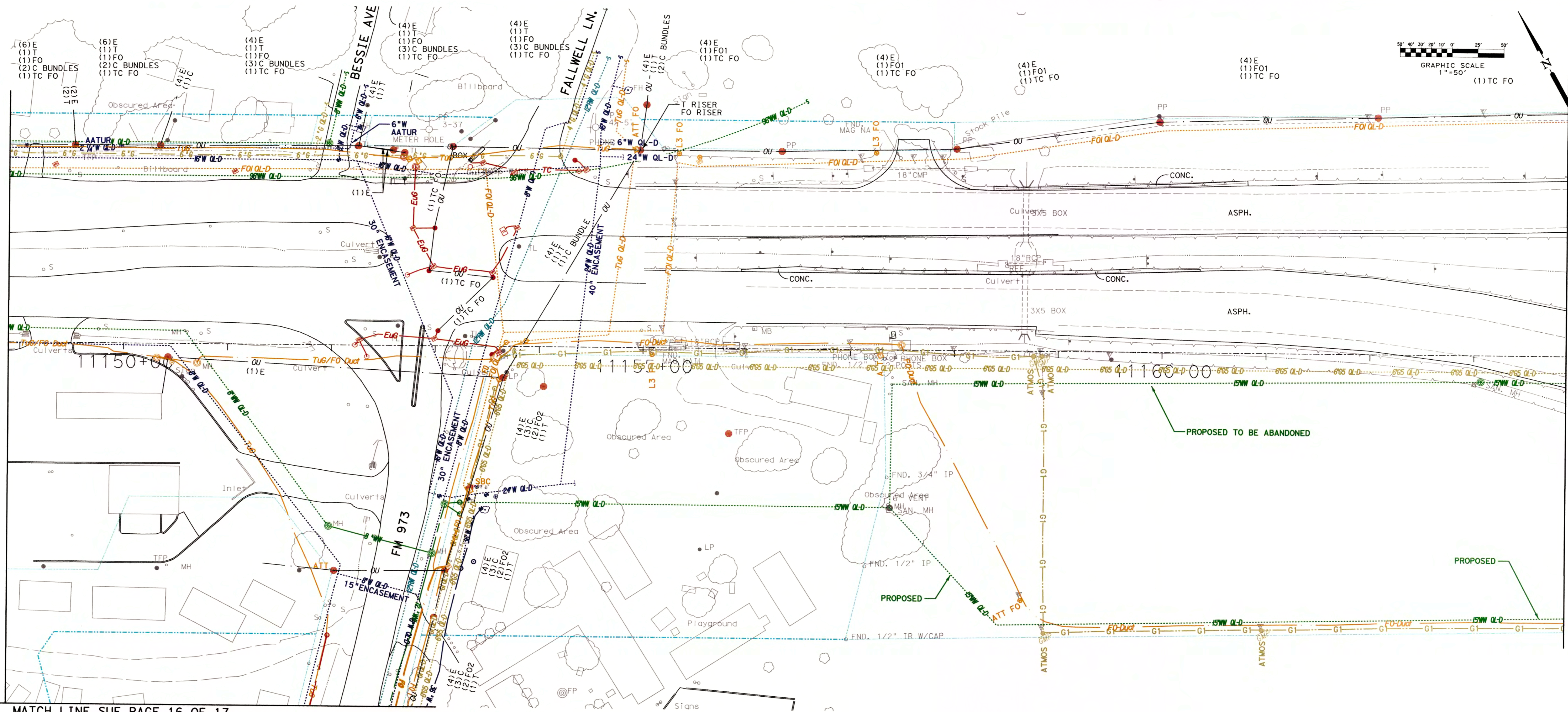
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SAM INC.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
COMPANY REGISTRATION # F-1937
4801 Southwest Parkway
Building Two, Suite 100
Austin, Texas 78735
Office: (512) 447-0575
Fax: (512) 326-3029
www.saminc.biz
CLIENT: HNTB
SAM #: 33384-30
SCALE: 1"=50'

DATE: SEPTEMBER 9, 2013
PROJECT MANAGER: ALAN HORTON
PROJECT ENGINEER: ALAN HORTON
TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELD BOOKS: 110509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE PAGE 9 OF 17			
FED. RD. DIV. NO.	AID PROJECT NO.	SHEET NO.	
6		10	
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71



MATCH LINE SUE PAGE 16 OF 17

UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	ATMOS
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	AT&T
TUG	TELEPHONE	CITY OF AUSTIN
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN

OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	GAATN
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

LEGEND

AERIAL TARGET

CATVUG	CATV MANHOLE
EUG	CATV PEDESTAL
FO	CURB INLET
FO1	DROP OR GRATE INLET
G	ELECTRIC HAND HOLE
G1	ELECTRIC MANHOLE
G2	EOI
G3	FIRE HYDRANT
G4	GAS MANHOLE
G5	GAS MARKER POST
RW	GAS TEST STATION
STM	GAS VALVE
TC	GAS VENT PIPE
TUG	LIGHT STANDARD
W	POWER POLE WITH RISER
WW	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION (PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE

APPROX. EXIST. ROW

APPROX. PROP. ROW

CATVUG	CABLE TV
EUG	ELECTRIC
FO	FIBER OPTIC
FW	FORCE MAIN
G	GAS
OU	OVERHEAD UTILITIES
RW	RECLAIMED WATER
STM	STORM
TUG	TELEPHONE
TC	TRAFFIC CONTROL
Unk	UNKNOWN
W	WATER
WW	WASTEWATER
QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)	
ONE CALL LINES	

GENERAL NOTES:

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ABBREVIATIONS:

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- (EATFI) EMPTY ACCORDING TO UTILITY RECORDS.
- EOI (EOI) UTILITY END POINT.
- (X) NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT END POINTS OF UTILITIES.
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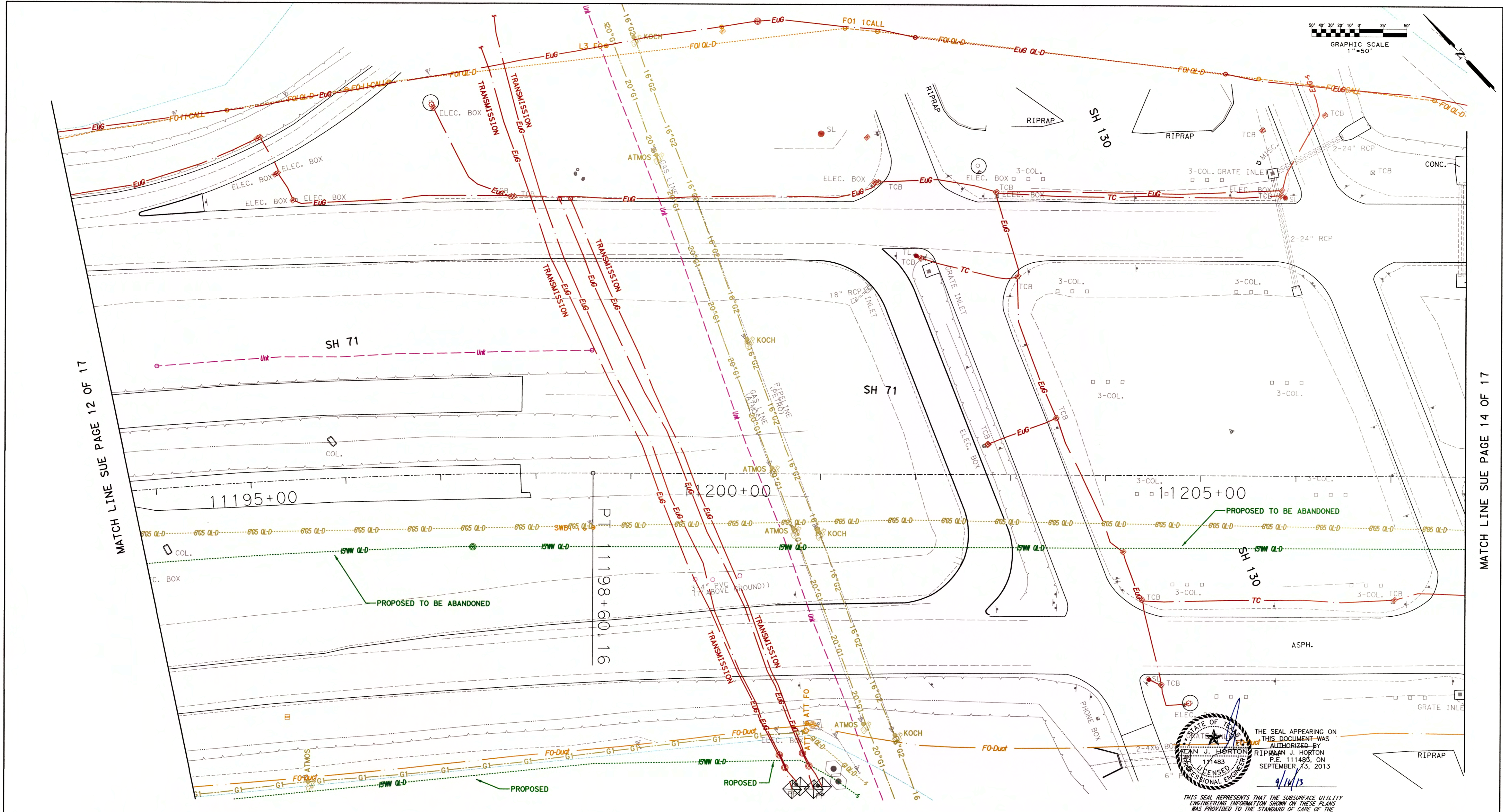


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4801 Southwest Parkway
Building Two, Suite 100
Austin, Texas 78735
Office: (512) 447-0575
Fax: (512) 326-3029
www.saminc.biz
CLIENT: HNTB
SAM #33384-30
SCALE: 1"=50'
DATE: SEPTEMBER 9, 2013
PROJECT MANAGER: ALAN HORTON
PROJECT ENGINEER: ALAN HORTON
TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE
BRANDT DR TO SH 130
SUE QL-B

SUE PAGE 10 OF 17

FED. RD. DIV. NO.	AID PROJECT NO.	SHEET NO.
6		11
STATE	DIST.	COUNTY
TEXAS		TRAVIS
CONT.	SECT.	JOB
		HIGHWAY NO.
		SH 71



NO.	DATE	REVISION	DESCRIPTION	BY

SEE OTHER SUE PAGES FOR LEGEND, GENERAL NOTES AND UTILITY CONTACT LIST



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SURVEYING - AERIAL MAPPING - ENGINEERING

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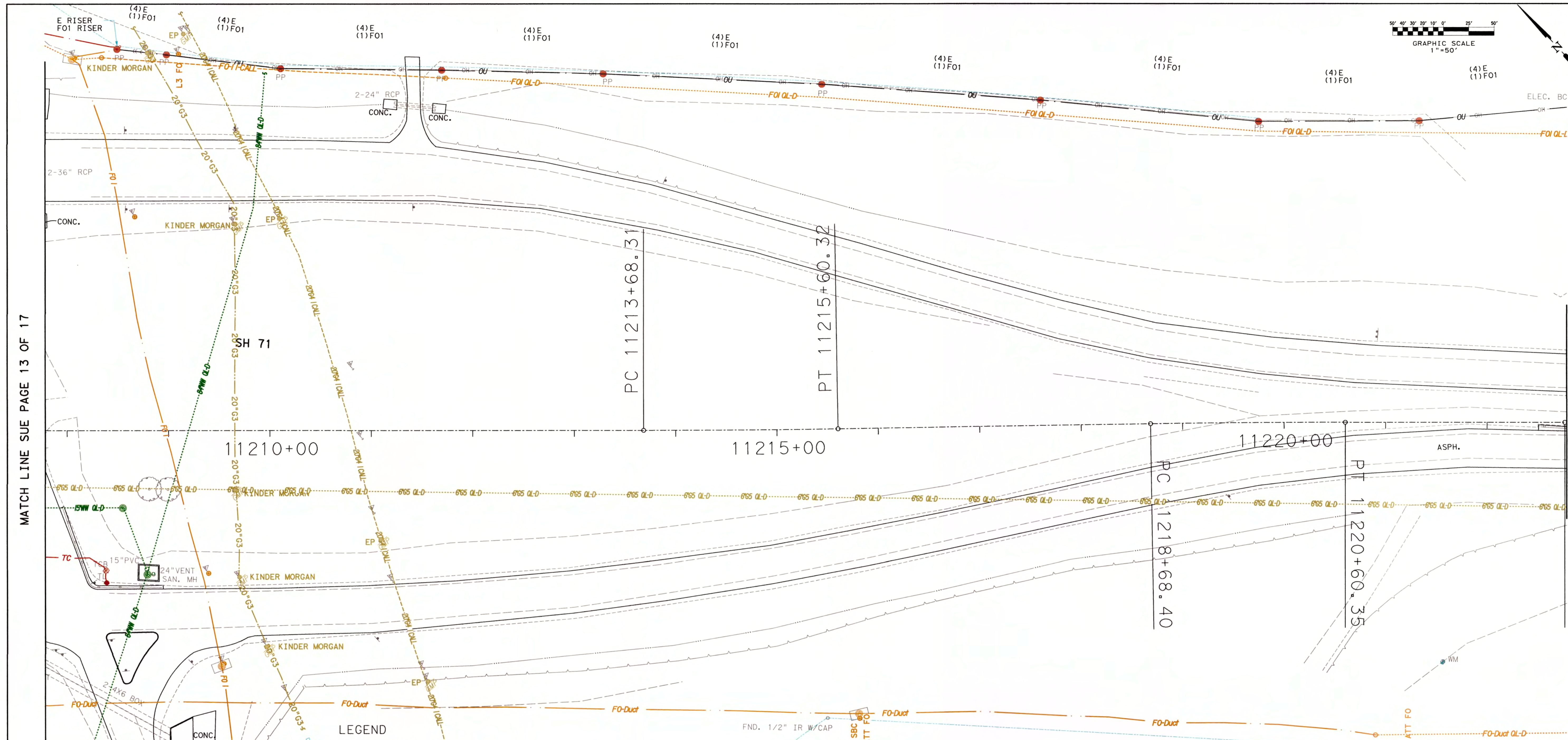
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DATE: SEPTEMBER 9, 2013
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PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE PAGE 13 OF 17			
FED. RD. DIV. NO.	AID PROJECT NO.		SHEET NO.
6			14
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71

... 08/08/2013 10:34:46 AM

MATCH LINE SUE PAGE 13 OF 17

MATCH LINE SUE PAGE 15 OF 17



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G1	GAS	TEXAS GAS SERVICE
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TUG	TELEPHONE	AT&T
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WW	WASTEWATER	CITY OF AUSTIN
OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
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FO2	FIBER OPTIC	AT&T
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

LEGEND	
AERIAL TARGET	
	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VALVE
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION
	(PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE
GENERAL NOTES	
	APPROX. EXIST. ROW
	APPROX. PROP. ROW
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
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	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

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(F.O.) FIBER OPTIC

(AATFI) ABANDONED ACCORDING TO FIELD INFORMATION.

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(EATUR) EMPTY ACCORDING TO UTILITY RECORDS.

E UTILITY END POINT.

EOI (EOIR) END OF ELECTRONIC DESIGNATING INFORMATION (END OF RECORD INFORMATION) UNLESS OTHERWISE NOTED. UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT END POINTS OF UTILITIES.

(X) X NUMBER OF WIRES

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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ALAN J. HORTON P.E. 111483, ON SEPTEMBER 13, 2013

9/14/13

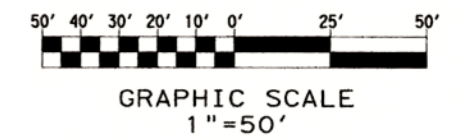
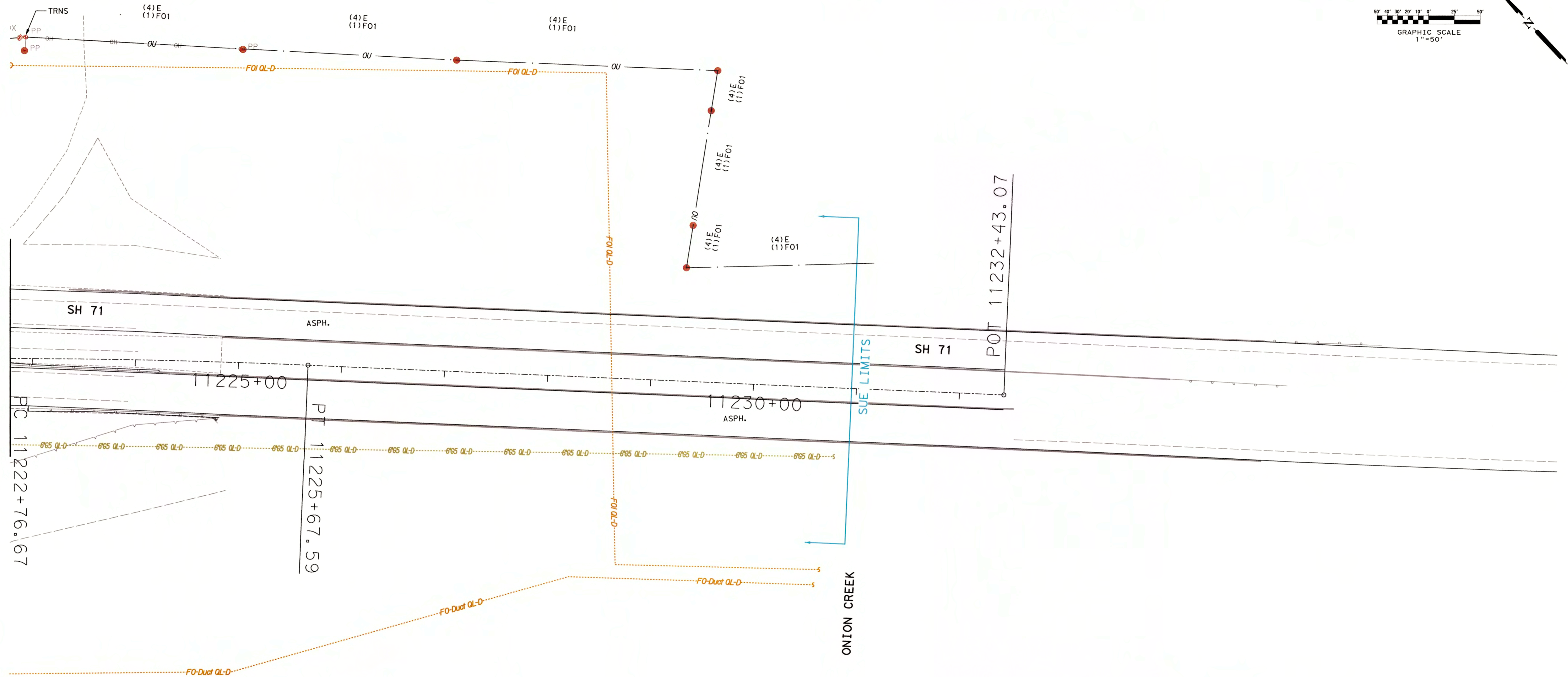
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SAM INC.
SURVEYING-AERIAL MAPPING-ENGINEERING

TEXAS BOARD OF PROFESSIONAL ENGINEERS
COMPANY REGISTRATION # F-1937
4801 Southwest Parkway
Building Two, Suite 100
Austin, Texas 78755
Office: (512) 447-0575
Fax: (512) 326-3029
www.saminc.biz
CLIENT: HNTB
SAM #: 33384-30
DATE: SEPTEMBER 9, 2013
SCALE: 1"=50'
PROJECT MANAGER: ALAN HORTON
PROJECT ENGINEER: ALAN HORTON
TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE PAGE 14 OF 17			
FED. RD. DIV. NO.	AID PROJECT NO.		SHEET NO.
6			15
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71

MATCH LINE SUE PAGE 14 OF 17



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	ATMOS
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	CITY OF AUSTIN
TUG	TELEPHONE	AT&T
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN

OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	AT&T
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

LEGEND

AERIAL TARGET

	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	EOI
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VALVE
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION
	(PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE

	APPROX. EXIST. ROW
	APPROX. PROP. ROW
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
	WASTEWATER
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

GENERAL NOTES:

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3. AS-BUILT DRAWINGS WERE USED TO COMPARE DESIGNATED LOCATIONS TO CONSTRUCTION AS-BUILT LOCATIONS.
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ABBREVIATIONS:

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NO ELECTRONIC INFORMATION WAS OBTAINED.
- QL-D DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.
- (F.O.) FIBER OPTIC
(AATFI) ABANDONED ACCORDING TO FIELD INFORMATION.
(AATURI) ABANDONED ACCORDING TO UTILITY RECORDS.
(EATFI) EMPTY ACCORDING TO FIELD INFORMATION.
(EATURI) EMPTY ACCORDING TO UTILITY RECORDS.
E- UTILITY END POINT.
EOI (EOIR) END OF ELECTRONIC DESIGNATING INFORMATION (END OF RECORD INFORMATION) UNLESS OTHERWISE NOTED. UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT END POINTS OF UTILITIES.
(X) X NUMBER OF WIRES

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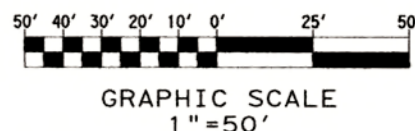
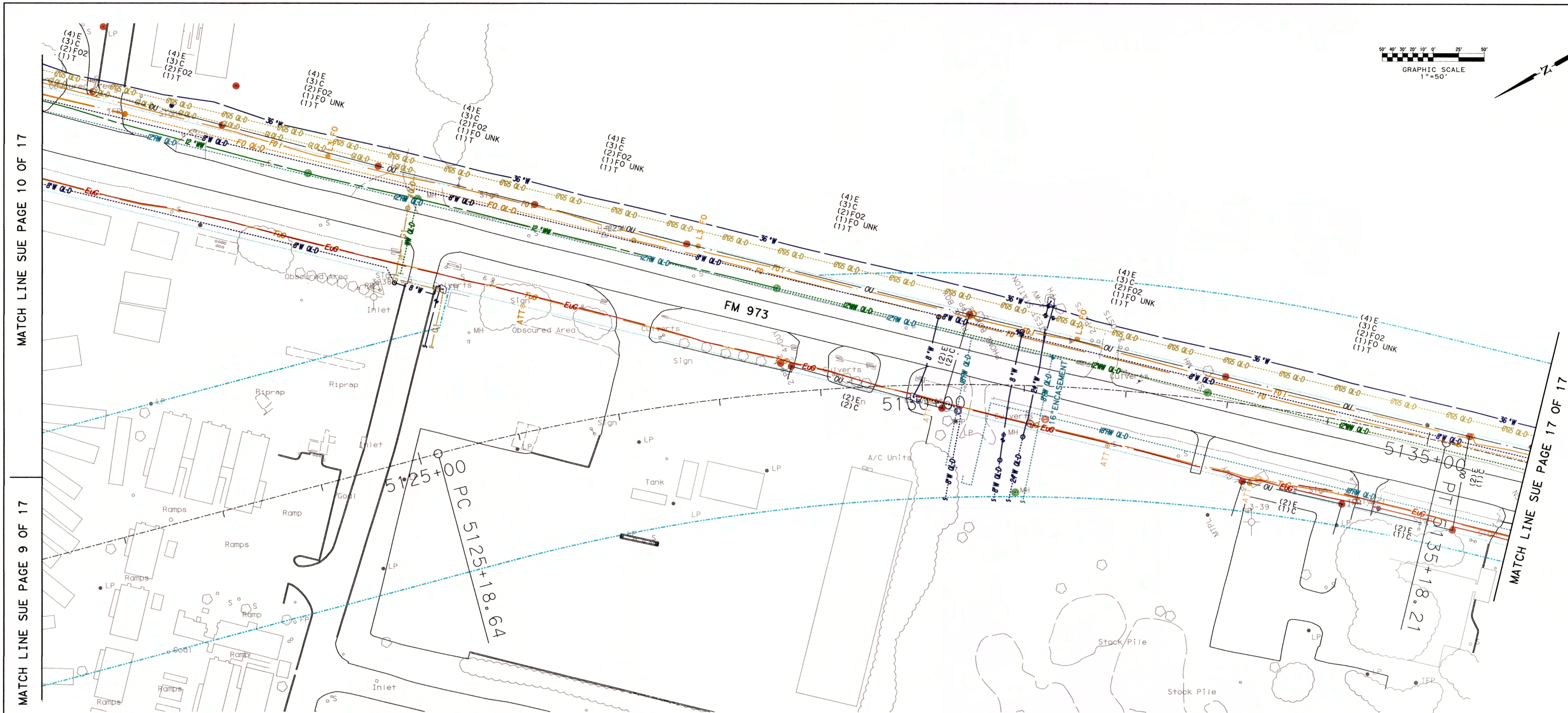
CLIENT: HNTB
SAM #: 33384-30
SCALE: 1"=50'

DATE: SEPTEMBER 9, 2013
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TECHNICIAN: PETE RICE
PARTY CHIEF: K. MILLER, J. SANDOVAL
FIELDBOOKS: 10509

SH 71 DEL VALLE BRANDT DR TO SH 130 SUE QL-B			
SUE PAGE 15 OF 17			
FED. RD. DIV. NO.	AID PROJECT NO.	SHEET NO.	
6		16	
STATE	DIST.	COUNTY	
TEXAS		TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
			SH 71

MATCH LINE SUE PAGE 10 OF 17

MATCH LINE SUE PAGE 9 OF 17



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	AT&T
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RW	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	CITY OF AUSTIN
TUG	TELEPHONE	AT&T
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN
OVERHEAD UTILITY CONTACT LIST		
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	GAAIN
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

NO.	DATE	REVISION DESCRIPTION	BY

LEGEND	
	AERIAL TARGET
	CATV MANHOLE
	CATV PEDESTAL
	CURB INLET
	DROP OR GRATE INLET
	ELECTRIC HAND HOLE
	ELECTRIC MANHOLE
	EOI
	FIRE HYDRANT
	GAS MANHOLE
	GAS MARKER POST
	GAS TEST STATION
	GAS VALVE
	GAS VENT PIPE
	LIGHT STANDARD
	POWER POLE
	POWER POLE WITH RISER
	STORM MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER POST
	TELEPHONE PEDESTAL
	TELEPHONE POLE
	TELEPHONE POLE WITH RISER
	TEST HOLE
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL BOX
	TRAVERSE POINT
	TXDOT MONUMENT
	UTILITY CONTINUATION
	(PROJECT LIMITS)
	WASTEWATER CLEANOUT
	WASTEWATER MANHOLE
	WATER MANHOLE
	WATER MARKER POST
	WATER METER
	WATER VALVE
	WATER VENT PIPE
	APPROX. EXIST. ROW
	APPROX. PROP. ROW
	CABLE TV
	ELECTRIC
	FIBER OPTIC
	FORCE MAIN
	GAS
	OVERHEAD UTILITIES
	RECLAIMED WATER
	STORM
	TELEPHONE
	TRAFFIC CONTROL
	UNKNOWN
	WATER
	WASTEWATER
	QL-D OR QL-C (SHOWN IN THE COLOR OF THE UTILITY DEPICTED)
	ONE CALL LINES

GENERAL NOTES:

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- QL-D (AATF) DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.
- QL-D (AATUR) ABANDONED ACCORDING TO FIELD INFORMATION.
- QL-D (EATF) ABANDONED ACCORDING TO UTILITY RECORDS.
- QL-D (EATUR) EMPTY ACCORDING TO UTILITY RECORDS.
- QL-D (E) UTILITY END POINT.
- EOI (EOIR) END OF ELECTRONIC DESIGNATING INFORMATION (END OF RECORD INFORMATION) UNLESS OTHERWISE NOTED.
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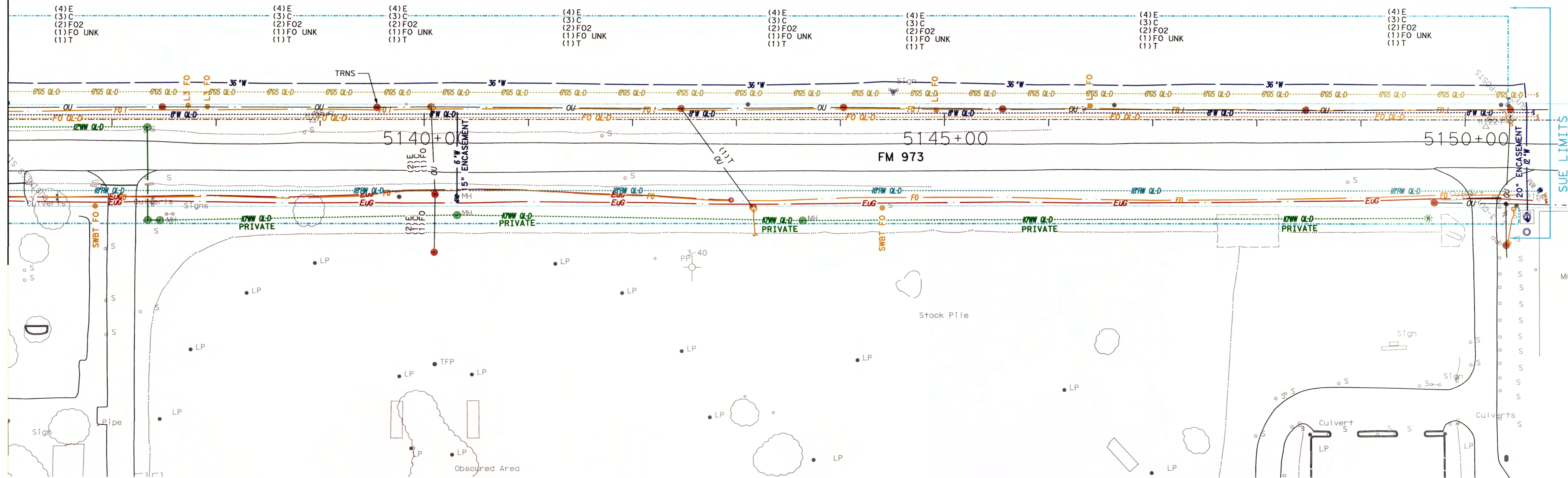
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FIELDBOOKS: 10509

SH 71 DEL VALLE
BRANDT DR TO SH 130
SUE QL-B
SUE PAGE 16 OF 17

FED. RD. DIV. NO.	AID PROJECT NO.	SHEET NO.
6		17
STATE	DIST.	COUNTY
TEXAS		TRAVIS
CONT.	SECT.	JOB
		SH 71

MATCH LINE SUE PAGE 16 OF 17



UNDERGROUND UTILITY CONTACT LIST		
LINE	TYPE	OWNER
CATVUG	CABLE TV	TIME WARNER
EUG	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
G	GAS	TEXAS GAS SERVICE
G1	GAS	AT&MOS
G2	GAS	KOCH
G3	GAS	KINDER MORGAN
G4	GAS	ENTERPRISE
G5	GAS	SAN ANTONIO PIPELINE
RM	RECLAIM WATER	CITY OF AUSTIN
STM	STORM	CITY OF AUSTIN
TC	TRAFFIC CONTROL	CITY OF AUSTIN
TUG	TELEPHONE	AT&T
W	WATER	CITY OF AUSTIN
WW	WASTEWATER	CITY OF AUSTIN

OVERHEAD UTILITY CONTACT LIST		
LINE	TYPE	OWNER
C	CABLE TV	TIME WARNER
E	ELECTRIC	AUSTIN ENERGY
FO	FIBER OPTIC	AT&T
FO1	FIBER OPTIC	LEVEL 3
FO2	FIBER OPTIC	GAATN
FO3	FIBER OPTIC	TIME WARNER TELECOM
T	TELEPHONE	AT&T

LEGEND

AERIAL TARGET

CATV MANHOLE	APPROX. EXIST. ROW
CATV PEDESTAL	APPROX. PROP. ROW
CURB INLET	CABLE TV
DROP OR GRATE INLET	ELECTRIC
ELECTRIC HAND HOLE	FIBER OPTIC
ELECTRIC MANHOLE	FORCE MAIN
FOI	GAS
FIRE HYDRANT	OVERHEAD UTILITIES
GAS MANHOLE	RECLAIMED WATER
GAS MARKER POST	STORM
GAS TEST STATION	TELEPHONE
GAS VENT PIPE	TRAFFIC CONTROL
LIGHT STANDARD	UNKNOWN
POWER POLE	WATER
POWER POLE WITH RISER	WASTEWATER
STORM MANHOLE	
TELEPHONE MANHOLE	
TELEPHONE MARKER POST	
TELEPHONE PEDESTAL	
TELEPHONE POLE	
TELEPHONE POLE WITH RISER	
TEST HOLE	
TRAFFIC CONTROL BOX	
TRAFFIC SIGNAL BOX	
TRAVERSE POINT	
TXDOT MONUMENT	
UTILITY CONTINUATION	
(PROJECT LIMITS)	
WASTEWATER CLEANOUT	
WASTEWATER MANHOLE	
WATER MANHOLE	
WATER MARKER POST	
WATER METER	
WATER VALVE	
WATER VENT PIPE	

APPROX. EXIST. ROW

APPROX. PROP. ROW

CABLE TV

ELECTRIC

FIBER OPTIC

FORCE MAIN

GAS

OVERHEAD UTILITIES

RECLAIMED WATER

STORM

TELEPHONE

TRAFFIC CONTROL

UNKNOWN

WATER

WASTEWATER

ONE CALL LINES

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FIELD BOOKS: 10509

SH 71 DEL VALLE
BRANDT DR TO SH 130
SUE QL-B

SUE PAGE 17 OF 17

FED. RD. DIV. NO.	AID PROJECT NO.	SHEET NO.
6		18
STATE	DIST.	COUNTY
TEXAS		TRAVIS
CONT.	SECT.	JOB
		SH 71