

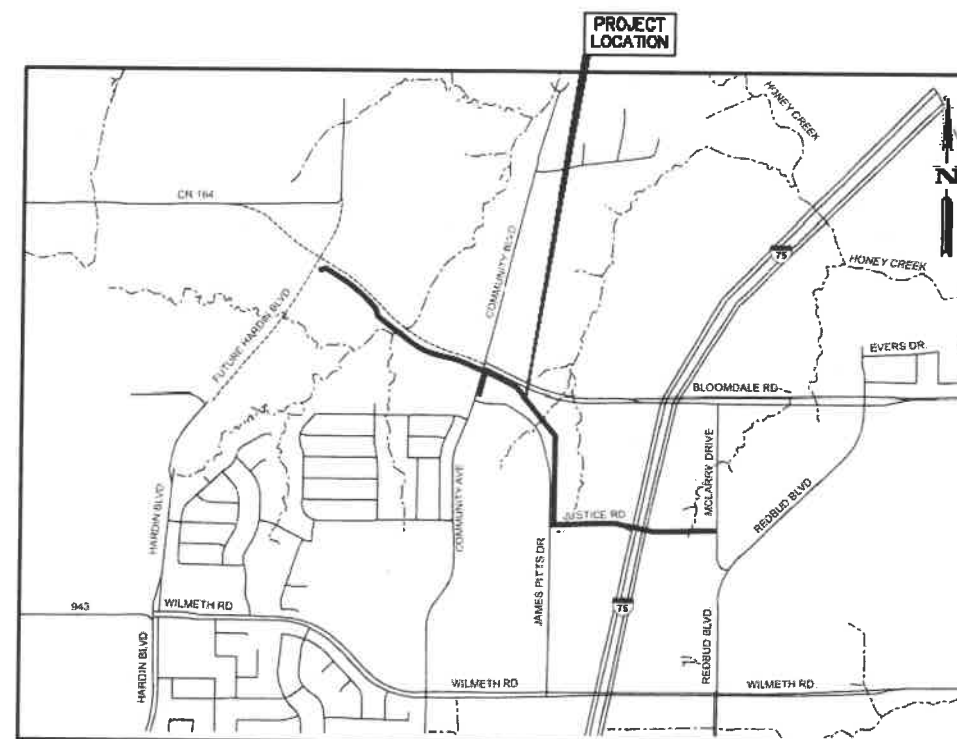
ENGINEERING DEPARTMENT
PLANS FOR THE CONSTRUCTION OF
**REDBUD PUMP STATION TRANSMISSION
WATER LINE (850 PP)**

CITY COUNCIL

MAYOR
MAYOR PRO-TEM/ DISTRICT 2
DISTRICT 1
DISTRICT 3
DISTRICT 4
AT LARGE
AT LARGE

CITY ADMINISTRATION

CITY MANAGER
DIRECTOR OF ENGINEERING



LOCATION MAP
N.T.S.

NOVEMBER 2018



ENGINEERING DEPARTMENT

**221 N. TENNESSEE STREET
McJINNEY, TEXAS 76069
P: (872) 647-7420
F: (872) 647-2804**

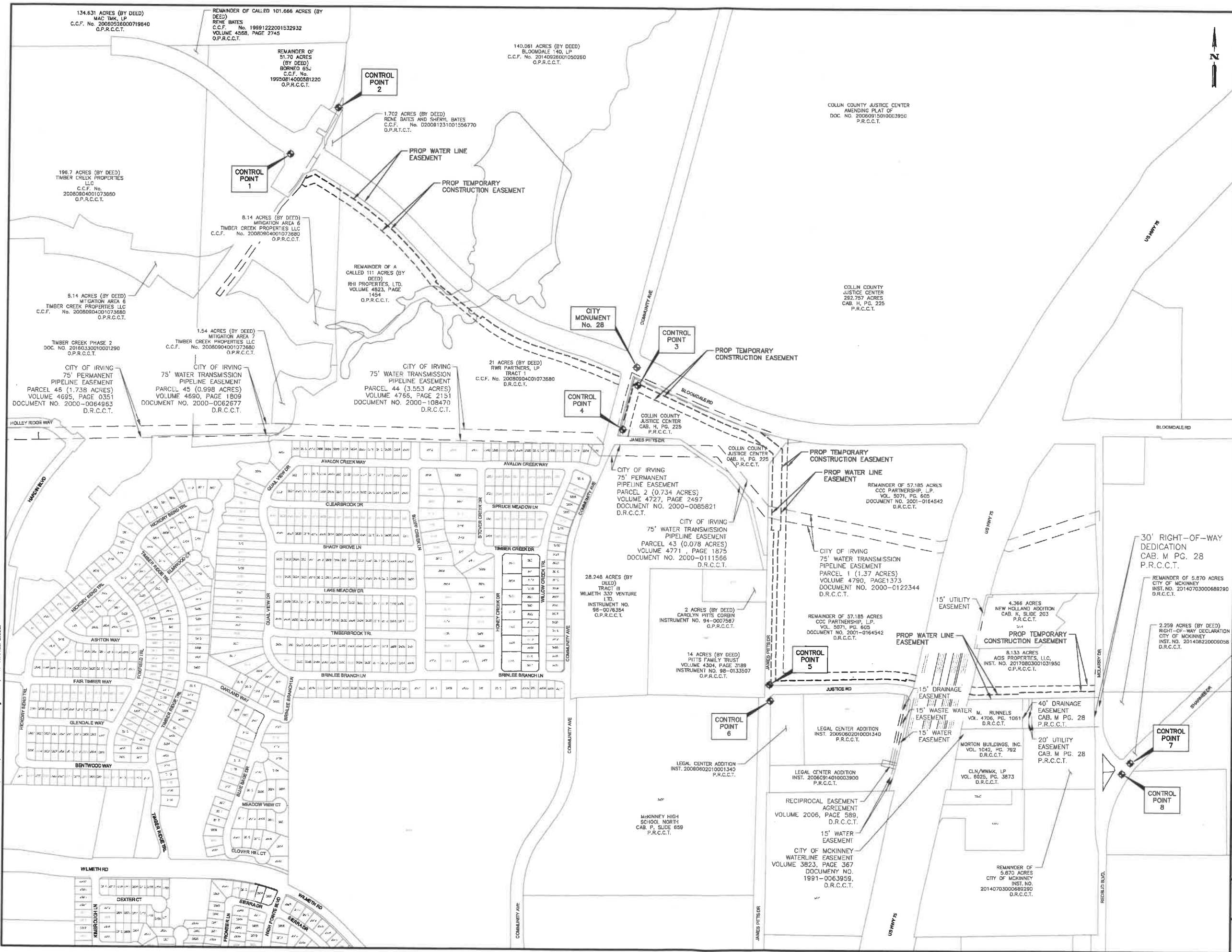
**90%
SUBMITTAL
FOR PRELIMINARY
DESIGN REVIEW**

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:
SCE, Inc.
TEXAS REGISTERED ENGINEERING
FIRM F-1040

D. BRYANT GASKELL, P.E.
TEXAS REGISTRATION NO. 91721

February 5, 2018



CONTROL POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	7141947.87	2535892.57	650.30	5/8" CIRS
2	7142251.99	2536202.25	649.38	5/8" CIRS
3	7140453.02	2538177.90	650.19	5/8" CIRS
4	7140163.66	2538062.67	648.20	5/8" CIRS
5	7138503.61	2539061.95	665.69	5/8" CIRS
6	7138398.65	2539067.47	666.41	5/8" CIRS
7	7138003.00	2541420.28	640.56	X CUT
8	7137931.22	2541365.96	642.29	X CUT

BENCHMARK
CITY OF McKinney CONTROL MONUMENT No. 28
3" ALUMINUM DISK IN CONCRETE IN THE CURB MEDIAN AT THE INTERSECTION OF BLOOMDALE ROAD AND COMMUNITY BLVD.
2.5' SOUTH OF A STOP SIGN, 5' EAST OF THE APEX OF THE BACK OF CURB, 56.5' NNE OF A SANITARY SEWER MANHOLE, 47.7' SSW OF A FIRE HYDRANT
N 7140588.55
E 2538172.30
ELEVATION = 645.92 (NAVD 88)
COORDINATES ARE NAD83 TEXAS STATE PLANE,
NORTH CENTRAL ZONE SURFACE COORDINATES.
SURFACE TO GRID CONVERSION FACTOR: 0.9998473133

90% 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 FIRM F-1046
D. BRYANT CASWELL, P.E.
TEXAS REGISTRATION NO. 01721
February 7, 2019

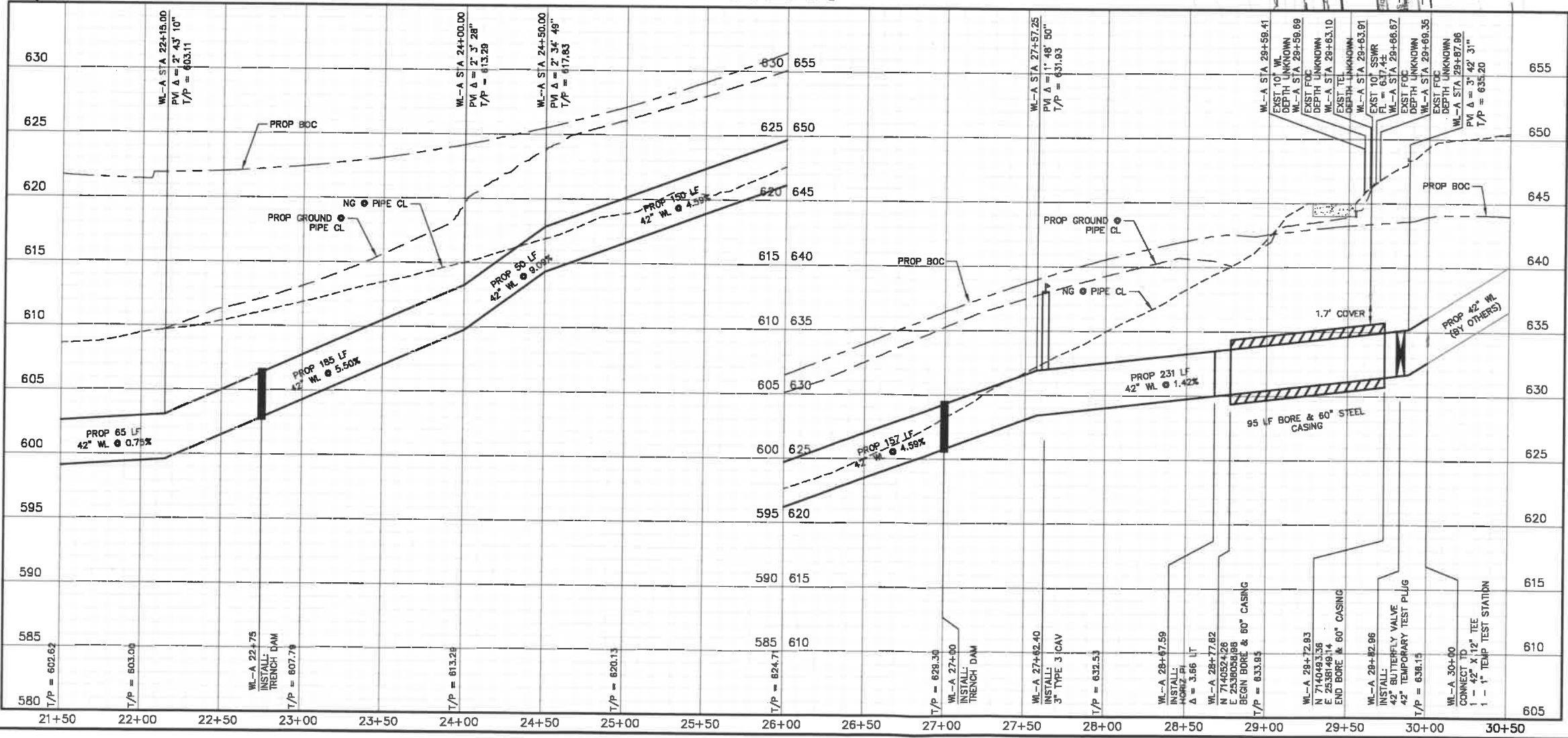
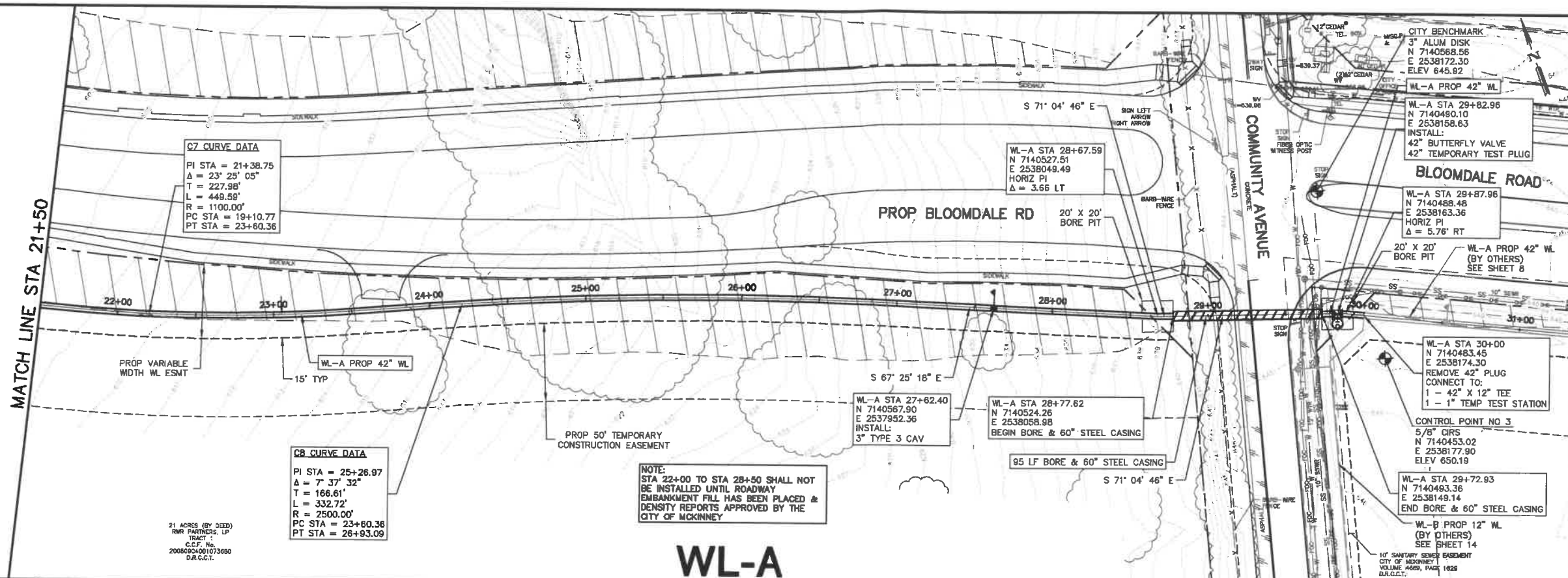
REV.	DESCRIPTION	BY	DATE

CITY OF McKinney, TEXAS
ENGINEERING DEPARTMENT
221 N. TENNESSEE STREET
McKINNEY, TEXAS 75069
P: (972) 547-7420
F: (972) 547-2904

REDBUD PUMP STATION TRANSMISSION WATER LINE (850 PP)

OVERALL PROJECT CONTROL & EASEMENT LAYOUT

DESIGNED: BGE	DATE: FEB 2018	SCALE: 1"=300'	PROJECT NO: BGE - 4421-00	SHEET: 6
DRAWN: BGE			CITY - WA4340	of 37
CHECKED: BGE				



NOTES

- THE CONTRACTOR SHALL PROTECT ALL PRIVATE PROPERTY AND ALL EXISTING TREES, FENCES, SIGNS, UTILITIES, RETAINING WALLS AND STRUCTURES UNLESS OTHERWISE NOTED ON PLANS AND IS RESPONSIBLE FOR ANY DAMAGE DONE DURING CONSTRUCTION.
- THE LOCATION AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY LOCATION, DEPTH AND DIMENSION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE ALL THE NECESSARY PROVISIONS FOR THE SUPPORT, LOCATION, PROTECTION, RELOCATION, AND TEMPORARY RELOCATION OF ALL UTILITIES AND STRUCTURES BOTH ABOVE AND BELOW THE GROUND DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES AS A RESULT OF CONSTRUCTION OPERATIONS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL CONSTRUCTION SHALL CONFORM TO CITY OF MCKINNEY & TEXAS COMMISSION ON ENVIRONMENTAL QUALITY REQUIREMENTS.
- CONTRACTOR IS TO VERIFY THE TOP OF VALVE ELEVATIONS BEFORE FINAL PAVEMENT INSTALLATION.
- CONTRACTOR SHALL COORDINATE WITH THE CITY ALL CONNECTIONS TO EXISTING WATER LINES.

WARNING: UNDERGROUND UTILITIES IN AREA OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

CITY OF MCKINNEY	972-547-7360
ATMOS ENERGY (GAS)	800-460-3030
ONCOR ELECTRIC DELIVERY	888-313-6862
AT&T	972-599-3081
TIME WARNER CABLE	214-320-5435
GRANDE COMMUNICATIONS	972-410-0592
COSERV ELECTRIC	800-274-4014
COSERV GAS	940-321-7000
CAPOD FIBER	903-531-9670
GOEC OVERHEAD ELECTRIC	903-682-7118
GOEC UNDERGROUND ELECTRIC	903-482-7141
GOEC TELECOM	903-482-7000
TEXAS EXCAVATION SAFETY SYSTEM	800-DIG-1855

BENCHMARK

CITY OF MCKINNEY CONTROL MONUMENT No. 28

3" ALUMINUM DISK IN CONCRETE IN THE CURB MEDIAN AT THE INTERSECTION OF BLOOMDALE ROAD AND COMMUNITY BLVD. 2.5' SOUTH OF A STOP SIGN, 5' EAST OF THE APEX OF THE BACK OF CURB, 56.5' NINE OF A SANITARY SEWER MANHOLE, 47.7' SSW OF A FIRE HYDRANT

N 7140568.56
E 2538172.30
ELEVATION = 645.92 (NAVD 88)

COORDINATES ARE NAD83 TEXAS STATE PLANE, NORTH CENTRAL ZONE SURFACE COORDINATES. SURFACE TO GRID CONVERSION FACTOR: 0.9998473133

90% 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 FIRM F-1048
D. BRYANT CASWELL, P.E.
TEXAS REGISTRATION NO. 91721
February 7, 2019

CITY OF MCKINNEY, TEXAS

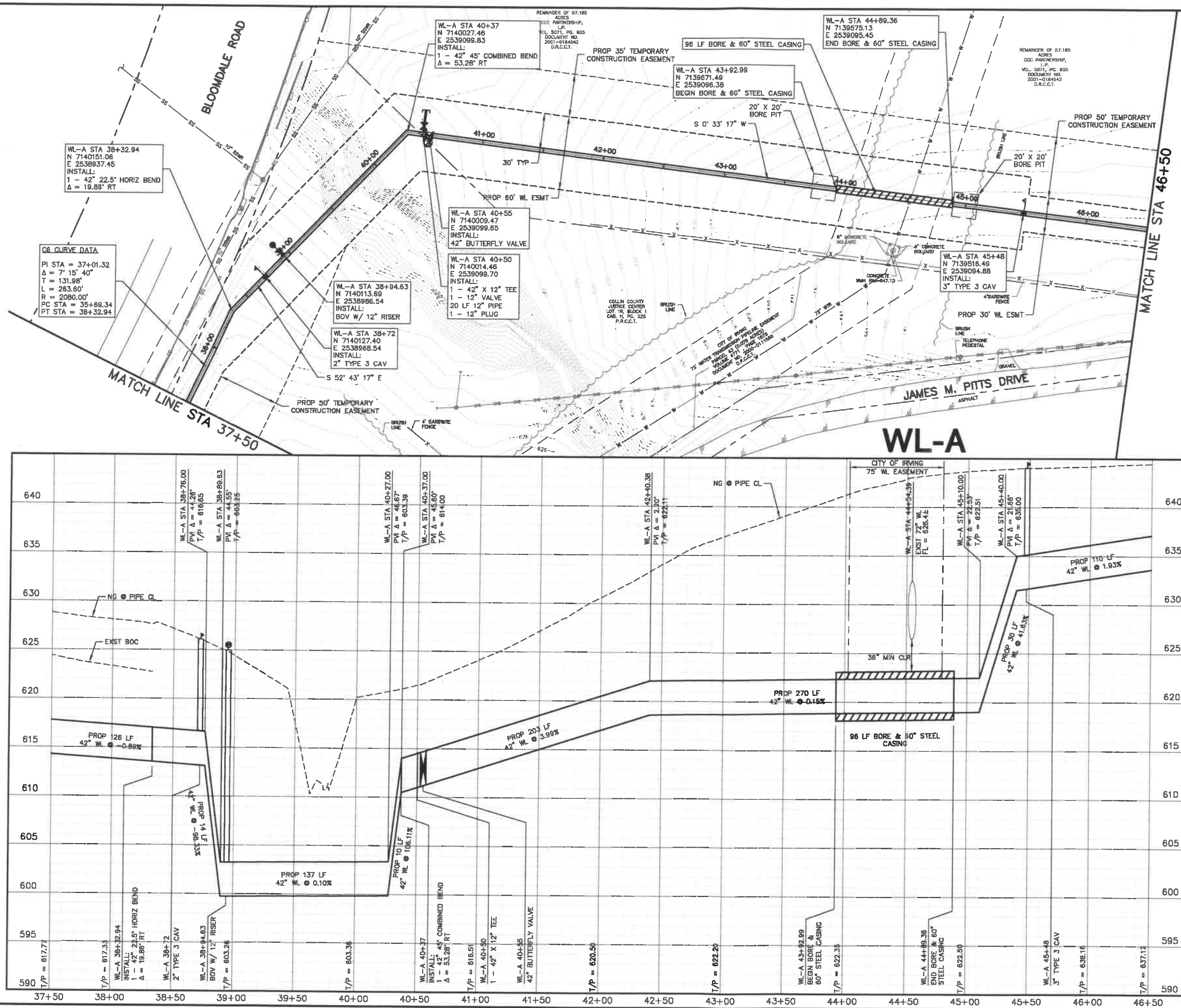
ENGINEERING DEPARTMENT
221 N. TENNESSEE STREET
MCKINNEY, TEXAS 75069
P: (972) 547-7420
F: (972) 547-2604

REDBUD PUMP STATION TRANSMISSION WATER LINE (850 PP)

42" WATER LINE PLAN & PROFILE
WL-A
STA 21+50 TO STA 30+00

BGE, Inc.
2695 Dallas Pkwy, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 • www.bgeinc.com
TBPE Registration No. F-1048

DESIGNED:	BGE	DATE:	FEB 2018	SCALE:	1"=40'H	PROJECT NO.	BGE - 4421-00	SHEET	10
DRAWN:	BGE				1"=5'V	CITY - WA4340			
CHECKED:	BGE								



NOTES

- THE CONTRACTOR SHALL PROTECT ALL PRIVATE PROPERTY AND ALL EXISTING TREES, FENCES, SIGNS, UTILITIES, RETAINING WALLS AND STRUCTURES, UNLESS OTHERWISE NOTED ON PLANS AND IS RESPONSIBLE FOR ANY DAMAGE DONE DURING CONSTRUCTION.
- THE LOCATION AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY LOCATION, DEPTH AND DIMENSION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE ALL THE NECESSARY PROVISIONS FOR THE SUPPORT, LOCATION, PROTECTION, RELOCATION, AND TEMPORARY RELOCATION OF ALL UTILITIES AND STRUCTURES BOTH ABOVE AND BELOW THE GROUND DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES AS A RESULT OF CONSTRUCTION OPERATIONS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL CONSTRUCTION SHALL CONFORM TO CITY OF MCKINNEY & TEXAS COMMISSION ON ENVIRONMENTAL QUALITY REQUIREMENTS.
- CONTRACTOR IS TO VERIFY THE TOP OF VALVE ELEVATIONS BEFORE FINAL PAVEMENT INSTALLATION.
- CONTRACTOR SHALL COORDINATE WITH THE CITY ALL CONNECTIONS TO EXISTING WATER LINES.

WARNING: UNDERGROUND UTILITIES IN AREA OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

CITY OF MCKINNEY	972-547-7380
ATMOS ENERGY (GAS)	800-460-3030
ONCOR ELECTRIC DELIVERY	888-313-6862
AT&T	972-589-3081
TIME WARNER CABLE	214-320-5435
GRANDE COMMUNICATIONS	972-410-0592
CUSERV ELECTRIC	800-274-4014
CUSERV GAS	940-321-7800
CAFCO FIBER	903-531-9870
GOEC OVERHEAD ELECTRIC	903-482-7118
GOEC UNDERGROUND ELECTRIC	903-482-7118
GOEC TELECOM	903-482-7141
TEXAS EXCAVATION SAFETY SYSTEM	903-482-7000
	903-510-7555

BENCHMARK

CITY OF MCKINNEY CONTROL MONUMENT No. 28

3" ALUMINUM DISK IN CONCRETE IN THE CURB MEDIAN AT THE INTERSECTION OF BLOOMDALE ROAD AND COMMUNITY BLVD. 2.5' SOUTH OF A STOP SIGN, 5' EAST OF THE APPEX OF THE BACK OF CURB, 56.5' NNE OF A SANITARY SEWER MANHOLE, 47.7' SSW OF A FIRE HYDRANT

N 7140568.56
E 2538172.30

ELEVATION = 645.92 (NAVD 88)

COORDINATES ARE NAD83 TEXAS STATE PLANE, NORTH CENTRAL ZONE SURFACE COORDINATES. SURFACE TO GRID CONVERSION FACTOR: 0.9998473133

90% 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 FIRM F-1046

D. BRYANT CASWELL, P.E.
TEXAS REGISTRATION NO. 01721

February 7, 2019

REV.	DESCRIPTION	BY	DATE

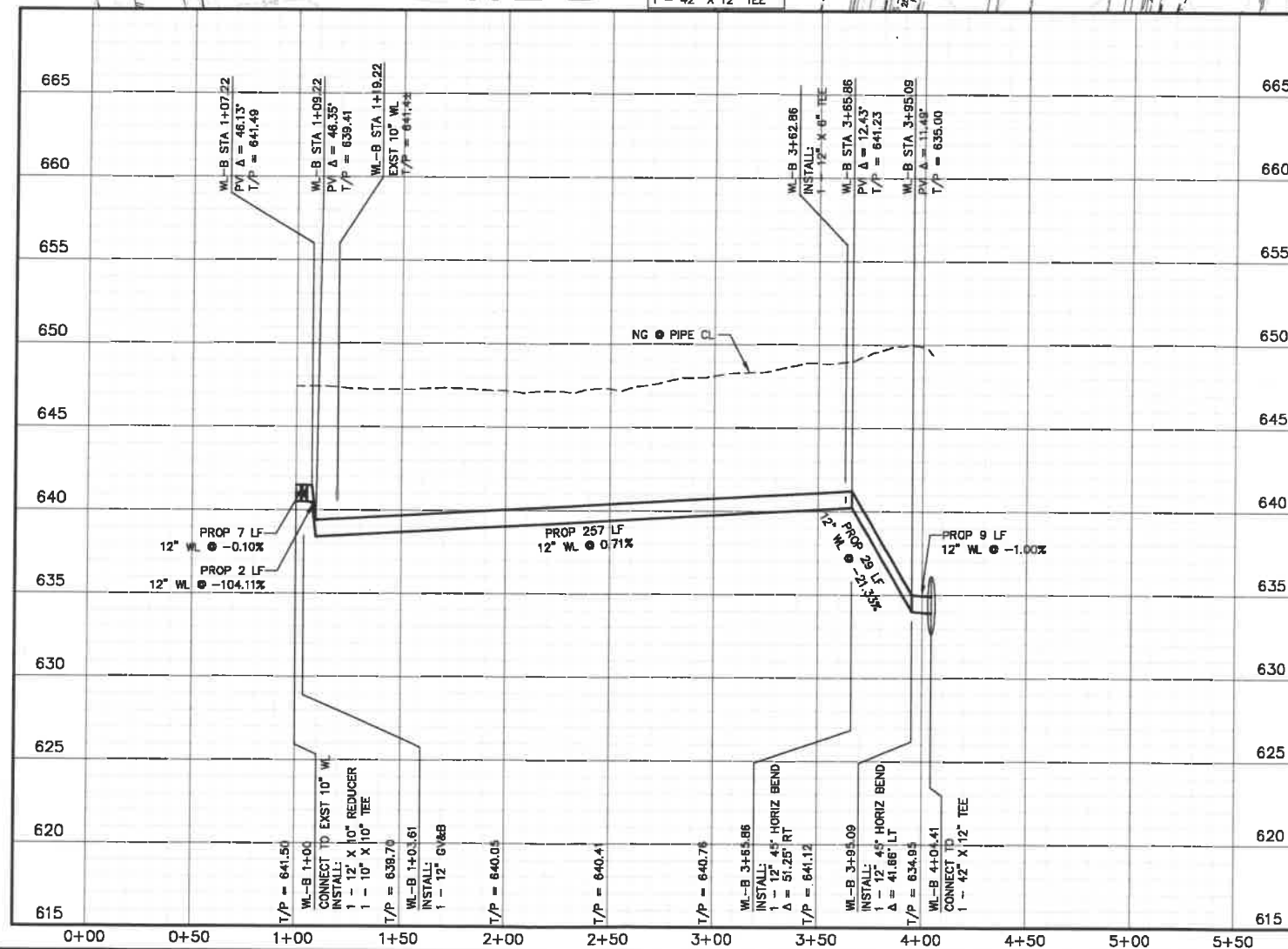
CITY OF MCKINNEY, TEXAS
ENGINEERING DEPARTMENT
221 N. TENNESSEE STREET
MCKINNEY, TEXAS 75069
P: (972) 547-7420
F: (972) 547-2804

REDBUD PUMP STATION TRANSMISSION WATER LINE (850 PP)

42" WATER LINE PLAN & PROFILE WL-A STA 37+50 TO STA 46+50

BGE, Inc.
2595 Dallas Pkwy, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 • www.bgeinc.com
TBPE Registration No. F-1046

DESIGNED:	BGE	DATE:	SCALE:	PROJECT NO.	Sheet
DRAWN:	BGE	FEB 2018	1"=40'H 1"=5'V	BGE - 4421-00 CITY - WA4340	9 of 37
CHECKED:	BGE				



- | | |
|--------------------------------|--------------|
| CITY OF MCKINNEY | 972-547-7360 |
| ATMOS ENERGY (GAS) | 800-460-3030 |
| ONCOR ELECTRIC DELIVERY | 888-313-6862 |
| ATA | 972-569-3081 |
| TIME WARNER CABLE | 214-320-5433 |
| GRAND COMMUNICATIONS | 972-410-0592 |
| COSEKV ELECTRIC | 800-274-4014 |
| COSERV GAS | 940-321-7800 |
| CAPCO FIRE | 903-931-8670 |
| GCEC OVERHEAD ELECTRIC | 903-482-7118 |
| GCEC UNDERGROUND ELECTRIC | 903-482-7141 |
| GCEC TELECOM | 903-482-7000 |
| TEXAS EXCAVATION SAFETY SYSTEM | 800-DIG-TESS |

QTY OF MCKINNEY CONTROL MONUMENT No. 2B

3" ALUMINUM DISK IN CONCRETE IN THE CURB MEDIAN AT THE
INTERSECTION OF BLOODDALE ROAD AND COMMUNITY BLVD.
2.5' SOUTH OF A STOP SIGN, 5' EAST OF THE APEX OF THE BACK OF
CURB, 56.5' NNE OF A SANITARY SEWER MANHOLE, 47.7' SSW OF A FIRE
HYDRANT

N 7140588.56
E 2538172.30

ELEVATION = 845.92 (NAVD 88)

COORDINATES ARE NAD83 TEXAS STATE PLANE,
NORTH CENTRAL ZONE SURFACE COORDINATES.
SURFACE TO GRID CONVERSION FACTOR: 0.9998473133

90%

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 FIRM F-1046

D. BRYANT CASWELL, P.E.
TEXAS REGISTRATION NO. 91721

February 7, 2019



SCALE: 1" = 40'

REV.	DESCRIPTION	BY	DATE


CITY OF MCKINNEY, TEXAS
ENGINEERING DEPARTMENT
 221 N. TENNESSEE STREET
 MCKINNEY, TEXAS 75069
 P: (972) 547-7420
 F: (972) 547-2604

**REDBUD PUMP STATION TRANSMISSION
WATER LINE (850 PP)**

**12" WATER LINE
PLAN & PROFILE
WL-B
STA 1+00 TO STA 4+04.41**

BGE, Inc.
2595 Dallas Pkwy, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 • www.bgeinc.com
TBPE Registration No. F-1046

DESIGNED: BGE	DATE	SCALE	PROJECT NO.	Sheet
DRAWN: BGE	FEB	1"=40'H	BGE - 4421-00	14
CHECKED: BGE	2018	1"=5'V	CITY - WA4340	of 37