ADDENDUM NO. 1
TO
CONTRACT DOCUMENTS AND SPECIFICATIONS
FOR
City of Joplin, Missouri
Wildwood Ranch Business Park Sewer Infrastructure, EDA No. 05-79-05345

DATE OF ISSUE: June 15, 2017

TO: PROSPECTIVE BIDDERS AND OTHER INTERESTED PARTIES

THE FOLLOWING ITEMS ARE INCLUDED WITH THS ADDENDUM AND ARE PART OF THE CONTRACT DOCUMENTS:

GENERAL ITEMS

1. The Minutes and Attendance Sheet from the Pre-bid Meeting held on June 12, 2017 are attached.

2. Delete the wording in Section 4100.2.6 of the Standard Specifications for the City of Joplin and replace with the following:

   "**Bedding Material**: Material for bedding shall be compacted ¾ inch clean rock."

3. Add the following sentence to Section 1600.2.3 of the Standard Specifications for the City of Joplin:

   "Metal bands for spacers shall be 14-gauge T-304 stainless steel."

4. The wall thickness for steel casings and other pipe classifications are shown on Sheet 00G005.

5. Burning is permitted on the project in accordance with Section 1100.3.4 of the City of Joplin's Standard Specifications.

THE CONTRACT DOCUMENTS AND SPECIFICATIONS, INCLUDING THE CONTRACT DRAWINGS, ARE HEREBY MODIFIED BY THE FOLLOWING ITEMS:

CHANGES TO SPECIFICATIONS

AD-1 Item 1 SECTION 000410 – FORM OF PROPOSAL

A. Delete the original FORM OF PROPOSAL and replace with attached revised FORM OF PROPOSAL (Addendum No.1).

AD-1 Item 2 SECTION 000670 – PREVAILING WAGE RATES

A. Delete the DAVIS-BACON WAGE DETERMINATION, WAGE RATE REQUIREMENTS, WAGE TATE SECTION Heavy General Decision Number MO170001, Modification No. 7 – Dated 04/21/2017 and replace with the attached DAVIS-BACON WAGE DETERMINATION, WAGE RATE REQUIREMENTS, WAGE RATE SECTION Heavy General Decision Number MO170001, Modification No. 9 – Dated 06/02/2017.

AD-1 Item 3 JOB SPECIAL PROVISION JSP-1200-01 – CONTAMINATED SOILS

A. Delete the last bullet point in Section 1.0 Scope "Contaminated materials shall remain onsite if encapsulated with an approved cap. Typical caps consist of a minimum 18-inches of clean soil material or 2-inches of concrete or asphalt."

AD-1 Item 4 JOB SPECIAL PROVISION JSP-4100-03 – PVC CLOSED PROFILE GRAVITY SEWER PIPE – DIAMETERS 18-INCHES AND GREATER

A. Add the attached JSP-4100-03.

AD-1 Item 5 JOB SPECIAL PROVISION JSP-4100-04 – IMPERVIOUS TRENCH CHECK

A. Add the attached JSP-4100-04.

AD-1 Item 6 JOB SPECIAL PROVISION JSP-4500-03 – EMPIRE ELECTRIC REQUIREMENTS

A. Add the attached JSP-4500-03.

AD-1 Item 7 JOB SPECIAL PROVISION JSP-0400-04 – BNSF RAILWAY COMPANY PIPELINE LICENSE

A. Delete JSP-0400-04 and replace with the attached JSP-0400-04.

AD-1 Item 8 JOB SPECIAL PROVISION JSP-0400-05 – SOUTHERN STAR CENTRAL GAS PIPELINE ENCROACHMENT AGREEMENT

A. Delete JSP-0400-05 and replace with the attached JSP-0400-05.

AD-1 Item 9 JOB SPECIAL PROVISION JSP-8000-01 – SIREN POLE

A. Add the following paragraph to Section 1.0 Scope:

"The City of Joplin will install the siren after the pole is installed."

CHANGES TO DRAWINGS

AD-1 Item 10 SHEET 00G005

A. Delete Sheet 00G005 and replace with attached Sheet 00G005.

AD-1 Item 11 SHEET 10C102

A. Delete Sheet 10C102 and replace with attached Sheet 10C102.

AD-1 Item 12 SHEET 20D804

A. PLAN AND PROFILE:

1. Delete the note "77.61 LF, 12" DIP @ 1.00% SLOPE, RESTRAIN JOINTS (see profile view at Sta. 54+00) and replace with the following note:

   "77.61 LF, 12" PVC @ 1.00% SLOPE, RESTRAIN JOINTS".

AD-1 Item 13 SHEET 20D808

A. PLAN AND PROFILE:

1. Add the following note:

   "WILDWOOD RANCH PARKWAY SHALL BE OPEN CUT TO INSTALL THE 6-INCH FORCE MAIN. THE PARKWAY PAVEMENT AND CURB SHALL BE REPARED IN ACCORDANCE WITH THE CITY OF JOPLIN'S CONC. PVMT REPAIR DETAIL."

   "NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR THE PARKWAY PAVEMENT AND CURB REPAIR. ALL COSTS ASSOCIATED WITH THE PARKWAY PAVEMENT AND CURB REPAIR SHALL BE INCLUDED IN THE UNIT PRICE OF THE 6-INCH FORCE MAIN."

AD-1 Item 14 SHEET 40U101

A. Delete Sheet 40U101 and replace with attached Sheet 40U101.

AD-1 Item 15 SHEET 40U301

A. Delete Sheet 40U301 and replace with attached Sheet 40U301.

AD-1 Item 16 SHEETS 40E601, 40Y601, 40Y631

A. TYPICAL PUMP STATION ONE-LINE DIAGRAM, RTU-1 PANEL LAYOUT INTERIOR, CD1, CONTROL PANEL CP01

1. CHANGE pump control panel 'RTU-01' main breaker to un-fused disconnect switch.

AD-1 Item 17 SHEET 40Y601

A. KEY NOTE 6

1. CHANGE Panel View interface size from 16" to 9".

AD-1 Item 18 SHEET 40Y601

1. CHANGE pump control panel 'RTU-01' height dimension from 45" to 72" and 480V section width from 24" to 38".

AD-1 Item 19 SHEET 40Y631

A. GENERAL NOTES

1. ADD new General Note 6 to read: "Furnish minimum one (1) spare Intrinsically Safe Barrier Relay of same type installed in panel."

ALL ITEMS IN CONFLICT WITH THE ADDENDA ARE HEREBY DELETED.

THIS ADDENDUM IS MADE PART OF THE CONTRACT DOCUMENTS AND SHALL BE NOTED ON THE FORM OF PROPOSAL.

HDR ENGINEERING, INC.

Bryce Banion, P.E.



(Addendum No. 1)

CITY OF JOPLIN, MO
WILDWOOD RANCH BUSINESS PARK SEWER INFRASTRUCTURE
PRE-BID MEETING MINUTES
JUNE 12, 2017

1. Project Overview
   a. EDA Funding: The project is funded by the US Economic Development Administration (EDA). EDA's requirements are included in the Contract Documents. The funds for the project will expire in May 2018 and it is imperative that the dates of Substantial and Final Completion be met or project funding will be in jeopardy.
   b. Proposed Improvements: Mr. Banion gave a brief overview of the proposed improvements included in the project.

2. Project Schedule
   The major project milestones are as follows:
   a. Anticipated Award of Contract by City – July 3, 2017
   b. Anticipated NTP – First week in August
   c. Substantial Completion – March 1, 2018
   d. Final Completion – April 1, 2018

3. Documents Submitted with Bids
   a. All documents that are required to be submitted with the Form of Proposal are listed in Section 14 of the Form of Proposal. It was noted Item c "Bidders Not Excluded Form" is included in Section 000953.

4. Specifications
   a. Front End Documents: The front end documents are a combination of City of Joplin and EDA documents.
   b. Technical Specifications: The technical specifications are a combination of City of Joplin and HDR specifications.

5. Addendum No. 1
   Addendum No. 1 will include the following items:

   a. Minutes to Pre-Bid Meeting
   b. Updated Wage Rates, if necessary
   c. A revised check valve specification and detail
   d. Details and other items required by Empire Electric
   e. A revised pipe bedding specification
   f. BNSF flagging rates for the Form of Proposal

6. Utility Locations
   a. Southern Star Central Gas Pipeline (SS): SS has an existing 16-inch gas line south of the railroad tracks. HDR has located the gas line, but the Contractor will be required to field verify the elevation and location of the gas line.
   b. JSP-0400-01, Section 2.1: Mr. Banion brought this Section to the attention of the attendees. It requires the Contractor to submit a memorandum regarding the field verification of all utilities on the project prior to commencing construction activities.

7. Licenses/Agreements
    a. BNSF Railway Co.: The final executed Pipeline License is pending, but the City expects to receive License by the end of the week. The Contractor is responsible for meeting the requirements of JSP-0400-04. It is noted that the Contractor does not need to secure Railroad Insurance for the project.
    b. Southern Star Central Gas Pipeline: The Encroachment Agreement has been secured by the City.

8. Geotechnical Investigation
    a. Section 000970: Mr. Banion noted that geotechnical report is included in the Construction Documents.

9. Other Items
    a. Fused HDPE pipe cannot be used in steel casing for restrained joint pipe material.
    b. The standard pipe material for 6-inch force main is PVC with a pressure class (PC) of 200 psi.
    c. There was discussion regarding the CARRIER PIPES IN CASING DETAIL on Sheet 05C501. According to information provided to the Engineer, the three carrier pipe will fit inside a 42-inch steel casing.
    d. Woodland Ranch Parkway will be open cut to install the 6-inch force main. See AD-1 Item 13 of Addendum No. 1.

City of Joplin, MO
Wildwood Ranch Business Park Sewer Infrastructure, EDA NO. 05-79-05345
Mandatory Prebid Meeting
June 12, 2017, 11:00 a.m.
Attendance Sheet

Name	Company	Address	Phone Number	Email
ANDY TUNNELL	SCHLOCK IND.			andyt@s-ind.com
Roger Grimes	Southard Const Co	5371 CR 200 Joplin	417-673-5528	Southardconst@gmail.com
Lee Southard	Southard Const. Co Inc of Joplin Inc	5371 CR 200 Joplin	4176735528	"
Mike Ehrsam Neil Lamont	Atnip Enterprises	15527 CR 210 Jasper MO	(417) 525-4280	atnipbidfile@yahoo.com mikeehrsam@yahoo.com
BOBENNETT	BENNETT, INC	103 NW 15TH LN LAMAR MO	417-682-6826	bandkexcavation@sbcglobal.net
Bob Buford	APS	3724 W Monnig St Springfield MO 65807	417-880-0917	bob.buford@ads-pipe.com
Clarence Williams	Sprouls Const	397 W Hwy DD Lamar, Mo. 64759	417-682-9577	clarence@sc196.com
Quinn Anderson	Site Rite Construction Co	316 E 31st St KCMO 64108	(816) 561-4890	matt@siterite1.com

City of Joplin, MO
Wildwood Ranch Business Park Sewer Infrastructure, EDA NO. 05-79-05345
Mandatory Prebid Meeting
June 12, 2017, 11:00 a.m.
Attendance Sheet

Name	Company	Address	Phone Number	Email
Bill Ferguson	ROSETTA	SPRINGFIELD	417 830 1343	VICTOR@ROSETTACONSTRUCTION.COM
JUSTIN UNDERWOOD	DALTON-KILLINGER CONST.	1301 W 4th	417-624-0151	bidfile@daltonkillinger.com
Tony Roby	City of Joplin	602 S Main	417.624-0802 x541	troby@joplinmo.org
Duane Wautick	ASBell Companies	Carl Junction, Mo	417 437 0524	pdwconstruction consultant@gmail.com
Mike Kinman	Joplin Industrial Electric	2202 S. Pearmore	417-529-1513	mike@joplinelectric.com
STEVE EOFF	D+E Plumbing	1112 N. Falcon Crest Nixa Mo	417 725 5300	DEPLBG@1@Yahoo.Com
GREG BROWN	Sunbelt Pump & Power	Lenexa, Ks	913-634-9054	Greg.Brown@sunbelt rentals.com
RICHARD GAHM	HAMILTON & DAD, INC	12390 W. FAITH LN. REPUBLIC, MO	417 849-7822	RICHARD GAHM@GMAIL.COM

Tony Robine				
Chris Parker	City of Joplin		624-0820 ext. 584	cparker@joplinmo.org
Mark Mayer	Enviro-Line Co.		cell- 816-863-6313	mark.mayer@enviro-line.com
Bryce Banion	HDR	3741 NE Troon Dr. Lee's Summit, MO 64064	(816) 347-1157	bryce.banion@hdrinc.com

SECTION 000410
*1 FORM OF PROPOSAL
(Addendum No. 1)

INVITATION FOR BID #
CITY OF JOPLIN, MISSOURI
Wildwood Ranch Business Park Sewer Infrastructure, EDA Project No. 05-79-05345

To: Public Works Department
602 S. Main Street
Joplin, MO 64801

From: _____, hereinafter called the "Bidder", having examined and being fully informed and familiar with the local conditions and with the contract documents including the drawings, the Notice to Contractor, Instructions to Bidders, the General Conditions and the body of technical specifications including:

Addenda Number _____ through _____ inclusive

hereby offer to furnish all labor, supervision, materials, equipment, tools, service and all other items necessary for the performance and the completion of the construction described in the contract documents as follows:

1 **Base Bid:** All Work as described in the specifications and on the drawings including but not limited to, **construction of a new pump station, improvements to existing Lift Station 19, installation of sanitary sewers and forces mains** as indicated in the Drawings and Specifications for the stipulated sum of: _____ Dollars ($_____). The amount shall be shown in both words and figures; the amount in words shall govern.

2 The Contractor agrees to bring the work to **Completion** within the following dates;

a. Fully operational 20th & Malang Pump Station, Lift Station 19 and sewer system: **March 1, 2018**
b. Complete project with all pay applications and change orders submitted to City: **April 1, 2018**

The Contractor further agrees to pay to or allow the City as liquidated damages the sum of **Two Thousand Five Hundred Dollars ($2,500.00)**, for each calendar day after April 1, 2018 that the work does not achieve Final Completion.

3 **Alternate Bids – There are no alternate bids.**

4 **UNIT PRICES** – For changing specified quantities of work from those indicated by the Contract drawings and specifications, upon written instructions from the City, the unit prices indicated below shall prevail. The unit prices include all labor, overhead and profit, bond, materials, equipment, shoring, shoring removal, etc., to cover the finished work of the several kinds of work called for. Only a single unit price shall be given, and it shall apply for either more or less work than that shown on the drawings and called for in the specifications or included in the Base Bid. In the event of more or less units than so indicated or included, a change order shall be issued for the increased or decreased amount. The Civil Engineer shall be notified in writing of any potential increase in the quantity amount of unit price bid item prior to exceeding the bid quantity.

5 **PRE-NEGOTIATED UNIT PRICES** – The City has pre-negotiated a unit price for the equipment and installation of that equipment included in Bid Item 24. The pre-negotiated unit price and the total price are included in the Form of Proposal. The bidder shall not alter the unit price or total price for Bid Item 24.

INVITATION FOR BID #: WILDWOOD RANCH BUSINESS PARK SEWER INFRASTRUCTURE, EDA NO. 05-79-05345

BASE BID					
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	Mobilization	LS	1		
2	Clearing, Grubbing and Demolition	LS	1		
3	Contaminated Soil	CY	1000		
4	24-IN Dia. Sanitary Sewer Pipe (DIP)	LF	63		
5	24-IN Dia. Sanitary Sewer Pipe	LF	193		
6	21-IN Dia. Sanitary Sewer Pipe	LF	3086		
7	18-IN Dia. Sanitary Sewer Pipe (DIP)	LF	130		
8	18-IN Dia. Sanitary Sewer Pipe	LF	833		
9	12-IN Dia. Sanitary Sewer Pipe (PVC)	LF	1098		
10	8-IN Dia. Sanitary Sewer Pipe (PVC)	LF	97		
11	8-IN Dia. Force Main (DIP)	LF	139		
12	6-IN Dia. Force Main (DIP)	LF	282		
13	6-IN Dia. Force Main (PVC)	LF	7020		
14	Jack & Bore of 42 IN Steel Casing	LF	115		
15	Jack & Bore of 24 IN Steel Casing	LF	60		
16	60 IN Dia. Manhole	EA	15		
17	48 IN Dia. Manhole	EA	4		
18	60 IN Dia. Manhole, Extra Depth	LF	129		

19	48 IN Dia. Manhole, Extra Depth	LF	19		
20	Air Release Valve Assembly	EA	3		
21	20th and Malang Pump Station	LS	1		
22	Lift Station 19	LS	1		
23	Cellular Modem, Equipment & Programming	EA	2	$12,000	$24,000
24	Installation of Cellular Modem and Equipment	LS	1		
25	Siren Pole	EA	1		
26	Railroad Flagging	HOURS	120	$200	$24,000
27	Odor Control Carbon Canister	EA	3		
28	Manhole Lining	EA	2		
29	Seeding, Fertilizing, and Mulching	LS	1		
30	Erosion and Sediment Control	LS	1		
31	Wetland and Stream Crossing Restoration	SY	220		
32	EDA Project Sign	EA	1		

BASE BID TOTAL = _____

6 **ALLOWANCES – There are no allowances for this contract.**

7 **In submitting this bid,** it is understood that the right is reserved by the City of Joplin, MO to reject any and all bids and it is agreed that the **bids may not be withdrawn for a period of ninety (90) days** from the specified time for receipt and opening bids.

8 **Accompanying the bid** is a certified or cashier's check or acceptable bid bond in the amount of _____ Dollars ($_____), for five percent (5%) of the maximum amount of this bid, payable to the Director of Finance, Joplin, Missouri, which, in accordance with the provisions in the Instructions to Bidders, it is agreed shall be retained as liquidated damages by the City of Joplin if the undersigned fails to execute the contract in conformity with the form of contract incorporated in the contract documents and furnish bonds as specified within ten (10) days after notification of award of the contract to the undersigned.

9 It is agreed that the Bidder shall utilize the Subcontractors specified on the list of Subcontractors attached hereto and a part hereof.

10 It is agreed that the Bidder shall provide the City with a Performance Bond and a Labor and Materials Payment Bond for the full amount to the contract.

11 It is agreed that the Bidder shall acquire and maintain all insurances required by the contract documents within ten days after date of Notice of Award by the City.

12 It is agreed that the Bidder shall sign the City's standard form of contract within ten days after date of Notice of Award by the City.

13 If the Bidder is a transient employer (out-of-state employer who temporarily transacts business in the State of Missouri), then by signature hereto, the Bidder certifies that it has complied with all requirements of RSMo Section 285.230-234.

14 Bidder hereby acknowledges that the following documents are included with the Bid Proposal:

a) Bid Bond
b) Anti-Collusion Statement (Section 000420)
c) Bidders Not Excluded Form (Section 000953)
d) Subcontractor Listing (Section 000440)
e) City of Joplin Contractors Qualification Statement (Section 000450)

14 Bidder hereby acknowledges that they have fully informed themselves and will fully comply with all requirements of EDA Contracting Provisions for Construction Projects, Section 000100. Notice of requirements for affirmative action Section 000951 and Lobbying Disclosure requirements Section 000952 included in the specifications.

Dated this _____ day of _____, 20____.

IF AN INDIVIDUAL:

Name of Individual

Social Security Number

Firm Name, if any:

(Area) Telephone Number

Residence Address:

Communications Address:

(Area) Fax Number (if none, state "None")

Signature: Date

IF A CORPORATION:

Name of Corporation

Name and Title of Officer

(Area) Telephone Number

(Area) Fax Number

Incorporated under the laws of the State of:

Corporate License Number

If a corporation organized in state other than Missouri, attach Certificate of Authority to do business in the State of Missouri.

Communications Address:

Signature of Office

Date

(Seal)

Secretary

IF A PARTNERSHIP OR JOINT VENTURE:

Name of Partnership/Joint Venture

Partner/Joint Venture Member

Partner/Joint Venture Member

Federal Tax I. D. Number

(Area) Telephone Number

(Area) Fax Number

State Names & Residence Address of all Partners or Joint Venture Members:

Residence Address:

Communications Address:

Signature of Partner-Joint Venture Members Date

Signature of Partner-Joint Venture Members Date

DAVIS-BACON WAGE DETERMINATION
WAGE RATE REQUIREMENTS
WAGE RATE SECTION

MISSOURI STATEWIDE COUNTIES

HEAVY General Decision Number: MO170001, Modification No. 9 – Dated 06/02/2017

General Decision Number: MO170001 06/02/2017 MO1

Superseded General Decision Number: MO20160001

State: Missouri

Construction Types: Heavy and Highway

Counties: Missouri Statewide.

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.20 for calendar year 2017 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.20 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017
1	01/20/2017
2	02/10/2017
3	02/17/2017
4	03/03/2017
5	03/17/2017
6	04/14/2017
7	04/21/2017
8	05/26/2017
9	06/02/2017

* CARP0002-002 05/01/2017

ST. LOUIS COUNTY AND CITY

	Rates	Fringes
Carpenters	$ 36.51	16.75

CARP0005-006 05/03/2015

CASS (Richards-Gebauer AFB ONLY), CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Carpenters:		
CARPENTERS & LATHERS	$ 36.34	15.55
MILLWRIGHTS & PILEDRIVERS	$ 36.34	15.55

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* CARP0011-001 05/01/2017

	Rates	Fringes
Carpenter and Piledriver		
ADAIR, AUDRAIN (West of Hwy 19), BOONE, CALLAWAY, CHARITON, COLE, COOPER, HOWARD, KNOX,LINN, MACON, MILLER, MONITEAU,MONROE, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SHELBY AND SULLIVAN COUNTIES	$ 31.02	16.75
ATCHISON, ANDREW, BATES, CALDWELL, CARROLL,DAVIESS, DEKALB,GENTRY, GRUNDY, HARRISON, HENRY, HOLT, LIVINGSTON, MERCER, NODAWAY,ST. CLAIR, SALINE AND WORTH COUNTIES	$ 29.56	16.75
AUDRAIN (East of Hwy.19), RALLS, MARION, LEWIS, CLARK AND SCOTLAND COUNTIES.	$ 31.03	16.75
BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY,JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES.	$ 29.18	16.75
BENTON, MORGAN AND PETTIS...	$ 29.61	16.75
BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, STE. GENEVIEVE, SCOTT, STODDARD AND WAYNE COUNTIES	$ 30.88	16.75
BUCHANAN, CLINTON, JOHNSON AND LAFAYETTE COUNTIES	$ 30.27	16.75
CARTER, HOWELL, OREGON AND RIPLEY COUNTIES	$ 29.88	16.75
CRAWFORD, DENT, GASCONADE, IRON, MADISON, MARIES, MONTGOMERY, PHELPS, PULASKI, REYNOLDS, SHANNON AND TEXAS COUNTIES	$ 30.87	16.75
FRANKLIN COUNTY	$ 34.16	16.75
JEFFERSON AND ST. CHARLES COUNTIES	$ 36.51	16.75
LINCOLN COUNTY	$ 32.66	16.75
PIKE, ST. FRANCOIS AND WASHINGTON COUNTIES	$ 31.63	16.75
WARREN COUNTY	$ 33.08	16.75

ELEC0001-002 05/31/2015

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, FRANKLIN, IRON, JEFFERSON, LINCOLN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY,REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (City and County), STE. GENEVIEVE, SCOTT, STODDARD,

WARREN, WASHINGTON AND WAYNE COUNTIES

	Rates	Fringes
Electricians	$ 34.20	17.44

ELEC0002-001 09/04/2016

ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (City and County), STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHANNON, SHELBY, SULLIVAN, TEXAS, WARREN AND WASHINGTON COUNTIES

	Rates	Fringes
Line Construction:		
Equipment Operator	$ 37.73	18.83
Groundman & Truck Driver	$ 29.11	15.72
Lineman & Cable Splicer	$ 43.75	21.00

ELEC0053-004 09/04/2016

	Rates	Fringes
Line Construction: (ANDREW, ATCHINSON, BARRY, BARTON, BUCHANAN, CALDWELL, CEDAR, CHRISTIAN, CLINTON, DADE, DALLAS, DAVIES,, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES)		
Groundman Powderman	$ 27.84	33%+5.00
Groundman	$ 27.63	25%+6.36
Lineman Operator	$ 39.62	25%+6.84
Lineman	$ 42.87	25%+6.97
Line Construction; (BATES, BENTON, CARROLL, CASS, CLAY, HENRY, JACKSON, JOHNSON, LAFAYETTE, PETTIS, PLATTE, RAY AND SALINE COUNTIES)		
Groundman Powderman	$ 27.84	33%+5.00
Groundman	$ 27.63	25%+6.36
Lineman Operator	$ 39.62	25%+6.84
Lineman	$ 42.87	25%+6.97

ELEC0095-001 06/01/2015

BARRY, BARTON, CEDAR, DADE, JASPER, LAWRENCE, MCDONALD, NEWTON, ST CLAIR, AND VERNON COUNTIES

	Rates	Fringes
Electricians:		
Cable Splicers	$ 25.40	12.19
Electricians	$ 26.46	14.12

ELEC0124-007 08/31/2015

BATES, BENTON, CARROLL, CASS, CLAY, COOPER, HENRY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY AND SALINE COUNTIES:

	Rates	Fringes
Electricians	$ 36.69	20.62

ELEC0257-003 03/01/2017

AUDRAIN (Except Cuivre Township), BOONE, CALLAWAY, CAMDEN, CHARITON, COLE, CRAWFORD, DENT, GASCONADE, HOWARD, MARIES, MILLER, MONITEAU, OSAGE, PHELPS AND RANDOLPH COUNTIES

	Rates	Fringes
Electricians:		
Cable Splicers	$ 30.42	16.085
Electricians	$ 32.00	14.28

ELEC0350-002 12/01/2016

ADAIR, AUDRAIN (East of Highway 19), CLARK, KNOX, LEWIS, LINN, MACON, MARION, MONROE, MONTGOMERY, PIKE, PUTNAM, RALLS, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES

	Rates	Fringes
Electricians	$ 30.57	5.93+35%

ELEC0453-001 09/01/2015

	Rates	Fringes
Electricians:		
CHRISITAN, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, LACLEDE, OREGON, OZARK, POLK, SHANNON, WEBSTER and WRIGHT COUNTIES	$ 25.15	14.36
PULASKI and TEXAS COUNTIES	$ 29.80	14.83
STONE and TANEY COUNTIES	$ 20.94	13.55

ELEC0545-003 06/01/2016

ANDREW, BUCHANAN, CLINTON, DEKALB, ATCHISON, HOLT, MERCER, GENTRY, HARRISON, DAVIESS, GRUNDY, WORTH, LIVINGSTON, NODAWAY, AND CALDWELL COUNTIES

	Rates	Fringes
Electricians:	$ 31.00	15.35

ELEC0702-004 01/01/2017

BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE COUNTIES

	Rates	Fringes
Line Construction:		
Groundman - Class A	$ 27.82	13.56
Groundman-Equipment Operator Class II (all other equipment)	$ 35.22	15.71
Heavy-Equipment Operator Class I (all crawler type equipment D-4 and larger)	$ 40.13	17.13
Lineman	$ 48.84	19.66

ENGI0101-001 05/01/2016

ANDREW, ATCHISON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL, CHARITON, CLINTON, COOPER, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HENRY, HOLT, HOWARD, JOHNSON, LAFAYETTE, LINN, LIVINGSTON, MERCER, NODAWAY, PETTIS, SALINE, SULLIVAN AND WORTH COUNITES

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 33.38	15.92
GROUP 2	$ 32.98	15.92
GROUP 3	$ 30.98	15.92

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and spreader; asphalt plant operator; auto grader or trimmer or sub-grader; backhoe; blade operator (all types); boilers - 2; booster pump on dredge; bulldozer operator; boring machine (truck or crane mounted); clamshell operator; concrete mixer paver; concrete plant operator; concrete pump operator; crane operator; derrick or derrick trucks; ditching machine; dragline operator; dredge engineman; dredge operator; drill cat with compressor mounted (self-contained) or similar type self- propelled rotary drill (not air tract); drilling or boring machine (rotary-self-propelled); finishing machine operator; greaser; high loader-fork lift-skid loader (all types);

hoisting engineer (2 active drums); locomotive operator (standard guage); mechanics and welders (field and plants); mucking machine operator; pile drive operator; pitman crane or boom truck (all types); push cat; quad track; scraper operators (all types); shovel operator; sideboom cats; side discharge spreader; skimmer scoop operators; slip form paver operator (CMI, Rex, Gomeco or equal); la tourneau rooter (all tiller types); tow boat operator; truck crane; wood and log chippers (all types).

GROUP 2: A-frame truck operator; articulated dump truck; back filler operator; boilers (1); chip spreader; churn drill operator; compressor; concrete mixer operator, skip loader; concrete saws (self-propelled); conveyor operator; crusher operator; distributor operator; elevating grader operator; farm tractor (all attachments); fireman rig; float operator; form grade operator; hoisting engine (one drum); maintenance operator; multiple compactor; pavement breaker, self-propelled hydra-hammer (or similar type); paymill operator; power shield; pumps; roller operator (with or without blades); screening and washing plant; self-propelled street broom or sweeper; siphons and jets; straw blower; stump cutting machine; siphons and jets; tank car heater operator (combination boiler and booster); welding machine; vibrating machine operator (not hand held); welding machine.

GROUP 3: (a) Oiler;
(b) Oiiler driver
(c) Mechanic.

HOURLY PREMIUMS:
THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .25) ABOVE GROUP 1 RATE: Dragline operator - 3 yds. & over; shovel 3 yds. & over; clamshell 3 yds. & over; Crane, rigs or piledrivers, 100' of boom or over (incl. jib.), hoist - each additional active drum over 2 drums

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .50) ABOVE GROUP 1 RATE: Tandem scoop operator; crane, rigs or piledrivers 150' to 200' of boom (incl. jib.)

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .75) ABOVE GROUP 1 RATE: Crane rigs, or piledrivers 200 ft. of boom or over (including jib.)

ENGI0101-005 04/01/2017

CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 36.17	16.84
GROUP 2	$ 35.13	16.84
GROUP 3	$ 30.66	16.84
GROUP 4	$ 34.01	16.84

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and spreader; asphalt plant operator; auto grader or trimmer or sub-grader; backhoe; blade operator (all types); boilers-2; booster pump on dredge; boring machine (truck or crane mounted); bulldozer operator; clamshell operator; concrete cleaning decontamination machine operator; concrete mixer paver; concrete plant operator; concrete pump operator; crane operator; derrick or derrick trucks; ditching machine; dragline operator; dredge engineman; dredge operator; drillcat with compressor mounted (self-contained) or similar type self propelled rotary drill (not air tract); drilling or boring machine (rotary - self-propelled); finishing machine operator; greaser; heavy equipment robotics operator/mechanic; horizontal directional drill operator; horizontal directional drill locator; loader-forklift - skid loader (all types); hoisting engineer (2 active drums); locomotive operator (standard guage); master environmental maintenance mechanic; mechanics and welders (field and plants); mucking machine operator; piledrive operator; pitman crane or boom truck (all types); push cat; quad-track; scraper operators (all types); shovel operator; side discharge spreader; sideboom cats; skimmer scoop operator; slip-form paver (CMI, REX, Gomaco or equal); la tourneau rooter (all tiller types); tow boat operator; truck crane; ultra high perssure waterjet cutting tool system operator/mechanic; vacuum blasting machine operator/mechanic; wood and log chippers (all types)

GROUP 2: "A" Frame truck operator; back filler operator; boilers (1); chip spreader;churn drill operator; concrete mixer operator, skip loader; concrete saws (self-propelled); conveyor operator; crusher operator; distributor operator; elevating grader operator; farm tractor (all attachments); fireman rig; float operator; form grader operator; hoisting engine (1 drum); maintenance operator; multiple compactor; pavement breaker, self-propelled hydra- hammer (or similar type); power shield; paymill operator; pumps; siphons and jets; stump cutting machine; tank car heater operator (combination boiler and booster); compressor; roller operator (with or without blades); screening and washing plant; self-propelled street broom or sweeper; straw blower; tank car heater operator (combination boiler and booster); vibrating machine operator (not hand held)

GROUP 3: Oilers

GROUP 4: Oiler Driver (All Types)

FOOTNOTE:
HOURLY PREMIUMS FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($1.00) ABOVE GROUP 1 RATE:
Clamshells - 3 yd. capacity or over; Cranes or rigs, 80 ft. of boom or over (including jib); Draglines, 3 yd. capacity or over;
Piledrivers 80 ft. of boom or over (including jib);
Shovels & backhoes, 3 yd. capacity or over.

ENGI0101-022 05/01/2016

BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 30.82	13.30
GROUP 2	$ 29.88	13.30
GROUP 3	$ 30.27	13.30
GROUP 4	$ 28.22	13.30

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt finishing machine & trench widening spreader; asphalt plant console operator; autograder; automatic slipform paver; backhoe; blade operator - all types; boat operator - tow; boilers-2; central mix concrete plant operator; clamshell operator; concrete mixer paver; crane operator; derrick or derrick trucks; ditching machine; dozer operator; dragline operator; dredge booster pump; dredge engineman; dredge operator; drill cat with compressor mounted on cat; drilling or boring machine rotary self-propelled; highloader; hoisting engine - 2 active drums; launch hammer wheel; locomotive operator; - standard guage; mechanic and welders; mucking machine; off-road trucks; piledriver operator; pitman crane operator; push cat operator; quad trac; scoop operator - all types; shovel operator; sideboom cats; skimmer scoop operators; trenching machine operator; truck crane.

GROUP 2: A-frame; asphalt hot-mix silo; asphalt plant fireman (drum or boiler); asphalt plant man; asphalt plant man; asphalt plant mixer operator; asphalt roller operator; backfiller operator; barber-greene loader; boat operator (bridges and dams); chip spreader; concrete mixer operator - skip loader; concrete plant operator; concrete pump operator; crusher operator; dredge oiler; elevating grader operator; fork lift; greaser-fleet; hoisting engine - 1; locomotive operator - narrow gauge; multiple compactor; pavement breaker; powerbroom - self-propelled; power shield; rooter; side discharge concrete spreader; slip form finishing machine; stumpcutter machine; throttle man; tractor operator (over 50 h.p.); winch truck.

GROUP 3: Boilers - 1; chip spreader (front man); churn drill operator; clef plane operator; concrete saw operator (self-propelled); curb finishing machine; distributor operator; finishing machine operator; flex plane operator; float operator; form grader operator; pugmill operator; roller operator, other than high type asphalt; screening & washing plant operator; siphons & jets; sub-grading machine operator; spreader box operator, self-propelled (not asphalt); tank car heater operator (combination boiler & booster); tractor operator (50 h.p. or less); Ulmac, Ulric

or similar spreader; vibrating machine operator, not hand;

GROUP 4: Grade checker; Oiler; Oiler-Driver

HOURLY PREMIUMS:

The following classifications shall receive $ .25 above GROUP 1 rate:
Clamshells - 3 yds. or over; Cranes - Rigs or Piledrivers, 100 ft. of boom or over (including jib); Draglines - 3 yds. or over; Hoists - each additional active drum over 2 drums; Shovels - 3 yds. or over;

The following classifications shall receive $ .50 above GROUP 1 rate:
Tandem scoop operator; Cranes - Rigs or Piledrivers, 150 ft. to 200 ft. of boom (including jib); Tandem scoop.

The following classifications shall receive $ .75 above GROUP 1 rate:
Cranes - Rigs or Piledrivers, 200 ft. of boom or over (including jib.).

ENGI0513-004 05/02/2016

FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 32.41	24.01
GROUP 2	$ 32.41	24.01
GROUP 3	$ 31.11	24.01
GROUP 4	$ 30.66	24.01

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Backhoe, Cable; Backhoe, Hydraulic (2 cu yds bucket and under regardless of attachment, one oiler for 2 or 3, two oilers for 4 through 6); Backhoe, Hydraulic over 2 cu yds; Cableway; Crane, Crawler or Truck; Crane, Hydraulic - Truck or Cruiser mounted, 16 tons and over; Crane, Locomotive; crane with boom including jib over 100 ft from pin to pin; Crane using rock socket tool; Derrick, Steam; Derrick Car and Derrick Boat; Dragline, 7 cu yds and over; Dredge; Gradall, Crawler or tire mounted; Locomotive, Gas, Steam & other powers; Pile Driver, Land or Floating; Scoop, Skimmer; Shovel, Power (Electric, Gas, Steam or other powers); Shovel, Power (7 cu yds and over); Switch Boat; Whirley; Air Tugger with air compressor; Anchor Placing Barge; Asphalt Spreaker; Athey Force Feeder Loader, self-propelled; Backfilling Machine; Boat Operator - Push Boat or Tow Boat (job site); Boiler, High Pressure Breaking in Period; Boom Truck, Placing or Erecting; Boring Machine, Footing Foundation; Bullfloat; Cherry Picker; Combination Concrete Hoist and Mixer (such as Mixermobile); Compressor, Two 125 CFM and under; Compressor, Two through Four over 125 CFM; Compressor when operator runs throttle; Concrete Breaker (Truck or Tractor mounted); Concrete Pump (such as

Pumpcrete machine); Concrete Saw (self-propelled); Concrete Spreader; Conveyor, Large (not selfpropelled) hoisting or moving brick and concrete into, or into and on floor level, one or both; Crane, Cimbing (such as Linden); Crane, Hydraulic - Rough Terrain, self-propelled; Crane, Hydraulic - Truck or Cruiser mounted - under 16 tons; Drilling machine - Self-powered, used for earth or rock drilling or boring (wagon drills and any hand drills obtaining power from other souces including concrete breakers, jackhammers and Barco equipmnet no engineer required); Elevating Grader; Engine Man, Dredge; Excavator or Powerbelt Machine; Finishing Machine, self- propelled oscillating screed; Forklift; Generators, Two through Six 30 KW or over; Grader, Road with power blade; Greaser; Highlift; Hoist, Concrete and Brick (Brick cages or concrete skips operating or on tower, Towermobile, or similar equipment); Hoist, Three or more drums in use; Hoist, Stack; Hydro-Hammer; Lad-A-Vator, hoisting brick or concrete; Loading Machine such as Barber-Greene; Mechanic on job site

GROUP 2: Air Tugger with plant air; Boiler (for power or heating shell of building or temporary enclosures in connection with construction work); Boiler, Temporary; Compressor, One over 125 CFM; Compressor, truck mounted; Conveyor, Large (not self- propelled); Conveyor, Large (not self- propelled) moving brick and concrete (distributing) on floor level; Curb Finishing Machine; Ditch Paving Machine; Elevator (outside); Endless Chain Hoist; Fireman (as required); Form Grader; Hoist, One Drum regardless of size (except brick or concrete); Lad-A-Vator, other hoisting; Manlift; Mixer, Asphalt, over 8 cu ft capacity; Mixer, one bag capacity or less; Mixer, without side loader, two bag capacity or more; Mixer, with side loader, regardless of size, not Paver; Mud Jack (where mud jack is used in conjenction with an air compressor, operator shall be paid $ .55 per hour in addition to his basic hourly rate for covering both operations); Pug Mill operator; Pump, Sump - self powered, automatic controlled over 2"; Scissor Lift (used for hoisting); Skid Steer Loader; Sweeper, Street; Tractor, small wheel type 50 HP and under with grader blade and similar equipment; Welding Machine, One over 400 amp; Winch, operating from truck

GROUP 3: Boat operator - outboard motor, job site; Conveyors (such as Con-Vay-It) regardless of how used; Elevator (inside); Heater operator, 2 through 6; Sweeper, Floor

GROUP 4: Crane type

HOURLY PREMIUMS:

Backhoe, Hydraulic 2 cu yds or less without oiler - $2.00;
Crane,climbing (such as Linden) - $.50;
Crane, Pile Driving and Extracting - $ .50
Crane with boom (including job) over
100 ft from pin to pin - add $.01 per foot
to maximum of $4.00);
Crane, using rock socket tool - $ .50;
Derrick, diesel, gas or electric hoisting material
and erecting steel (150 ft or more above ground) - $ .50;

Dragline, 7 cu yds and over - $ .50;
Hoist, Three or more drums in use - $ .50;
Scoop, Tandem - $.50;
Shovel, Power - 7 cu yds and over - $ .50;
Tractor, Tandem Crawler - $ .50;
Tunnel, man assigned to work in tunnel or
tunnel shaft - $ .50;
Wrecking, when machines are working on
second floor or higher - $ .50

ENGI0513-006 05/01/2016

ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAYNE COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 27.94	24.87
GROUP 2	$ 27.59	24.87
GROUP 3	$ 27.39	24.87
GROUP 4	$ 23.74	24.87

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt finishing machine & trench widening spreader, asphalt plant console operator; autograder; automatic slipform paver; back hoe; blade operator - all types; boat operator tow; boiler two; central mix concrete plant operator; clam shell operator; concrete mixer paver; crane operator; derrick or derrick trucks; ditching machine; dozer operator; dragline operator; dredge booster pump; dredge engineman; dredge operator; drill cat with compressor mounted on cat; drilling or boring machine rotary self-propelled; highloader; hoisting engine 2 active drums; launchhammer wheel; locomotive operator standrad guage; mechanics and welders; mucking machine; piledriver operator; pitman crane operator; push cat operator; guad-trac; scoop operator; sideboom cats; skimmer scoop operator; trenching machine operator; truck crane, shovel operator.

GROUP 2: A-Frame; asphalt hot-mix silo; asphalt roller operator asphalt plant fireman (drum or boiler); asphalt plant man; asphalt plant mixer operator; backfiller operator; barber-greene loader; boat operator (bridge & dams); chip spreader; concrete mixer operator skip loader; concrete plant operator; concrete pump operator; dredge oiler; elevating graded operator; fork lift; grease fleet; hoisting engine one; locomotive operator narrow guage; multiple compactor; pavement breaker; powerbroom self-propelled; power shield; rooter; slip-form finishing

machine; stumpcutter machine; side discharge concrete spreader; throttleman; tractor operator (over 50 hp); winch truck; asphalt roller operator; crusher operator.

GROUP 3: Spreader box operator, self-propelled not asphalt; tractor operator (50 h.p. or less); boilers one; chip spreader (front man); churn drill operator; compressor over 105 CFM 2-3 pumps 4" & over; 2-3 light plant 7.5 KWA or any combination thereof; clef plane operator; compressor maintenance operator 2 or 3; concrete saw operator (self-propelled); curb finishing mancine; distributor operator; finishing machine operator; flex plane operator; float operator; form grader operator; pugmill operator; riller operator other than high type asphalt; screening & washing plant operator; siphons & jets; subgrading machine operator; tank car heater (combination boiler & booster); ulmac, ulric or similar spreader; vibrating machine operator; hydrobroom.

GROUP 4: Oiler; grout machine; oiler driver; compressor over 105 CFM one; conveyor operator one; maintenance operator; pump 4" & over one.

FOOTNOTE: HOURLY PREMIUMS

Backhoe hydraulic, 2 cu. yds. or under Without oiler - $2.00
Certified Crane Operator - $1.50;
Certified Hazardous Material Operator $1.50;
Crane, climbing (such as Linden) - $0.50;
Crane, pile driving and extracting - $0.50;
Crane, with boom (including jib) over 100' from pin to pin add $0.01 per foot to maximum of $4.00;
Crane, using rock socket tool - $0.50;
Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above the ground) - $0.50;
Dragline, 7 cu. yds, and over - $0.50;
Hoist, three or more drums in use - $0.50; Scoop, Tandem - $0.50;
Shovel, power - 7 cu. yds. or more - $0.50;
Tractor, tandem crawler - $0.50;
Tunnel, man assigned to work in tunnel or tunnel shaft - $0.50;
Wrecking, when machine is working on second floor or higher - $0.50;

ENGI0513-007 05/02/2016

ST. LOUIS CITY AND COUNTY

	Rates	Fringes
Power equipment operators:		
GROUP 1	$ 32.41	24.01
GROUP 2	$ 32.41	24.01
GROUP 3	$ 31.11	24.01
GROUP 4	$ 30.66	24.01

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Backhoe, cable or hydraulic; cableway; crane crawler or truck; crane, hydraulic-truck or cruiser mounted 16 tons & over; crane locomotive; derrick, steam; derrick car & derrick boat; dragline; dredge; gradall, crawler or tire mounted; locomotive, gas, steam & other powers; pile driver, land or floating; scoop, skimmer; shovel, power (steam, gas, electric or other powers); switch boat; whirley.

GROUP 2: Air tugger w/air compressor; anchor-placing barge; asphalt spreader; athey force feeder loader (self-propelled); backfilling machine; backhoe-loader; boat operator-push boat or tow boat (job site); boiler, high pressure breaking in period; boom truck, placing or erecting; boring machine, footing foundation; bull- float; cherry picker; combination concrete hoist & mixer (such as mixer mobile); compressor (when operator runs throttle); concrete breaker (truck or tractor mounted); concrete pump, such as pump-crete machine; concrete saw (self-propelled), concrete spreader; conveyor, large (not self-propelled), hoisting or moving brick and concrete into, or into and on floor level, one or both; crane, hydraulic-rough terrain, self-propelled; crane hydraulic-truck or cruiser mounted-under 16 tons; drilling machines, self-powered use for earth or rock drilling or boring (wagon drills nd any hand drills obtaining power from other sources including concrete breakers, jackhammers and barco equipment-no engineer required); elevating grader; engineman, dredge; excavator or powerbelt machine; finishing machine, self-propelled oscillating screed; forklift; grader, road with power blade; highlift. greaser; hoist, stack, hydro-hammer; loading machine (such as barber-greene); machanic, on job site; mixer, pipe wrapping machines; plant asphalt; plant, concrete producing or ready-mix job site; plant heating-job site; plant mixing-job site; plant power, generating-job site; pumps, two through six self-powered over 2"; pumps, electric submersible, two through six, over 4"; quad-track; roller, asphalt, top or sub-grade; scoop, tractor drawn; spreader box; sub-grader; tie tamper; tractor-crawler, or wheel type with or without power unit, power take-offs and attachments regardless of size; trenching machine; tunnel boring machine; vibrating machine automatic, automatic propelled; welding machines (gasoline or diesel) two through six; well drilling machine

GROUP 3: Conveyor, large (not self-propelled); conveyor, large (not self-propelled) moving brick and concrete distributing) on floor level; mixer two or more mixers of one bag capacity or less; air tugger w/plant air; boiler, for power or heating on construction projects; boiler, temporary; compressor (mounted on truck; curb finishing machine; ditch paving machine; elevator; endless chain hoist; form grader; hoist, one drum regardless of size; lad-a-vator; manlift; mixer, asphalt, over 8 cu. ft. capacity, without side loader, 2 bag capacity or more; mixer, with side loader, regardless of size; pug mill operator; pump, sump-self-powered, automatic controlled over 2" during use in connection with construction work; sweeper, street; welding machine, one over 400 amp.; winch operating from truck; scissor lift (used for hoisting);

tractor, small wheel type 50 h.p. & under with grader blade & similar equipment; Oiler on dredge and on truck crane.

GROUP 4: Boat operator-outboard motor (job site); conveyor (such as con-vay-it) regardless of how used; sweeper, floor

HOURLY PREMIUMS:

Backhoe, hydraulic 2 cu. yds. or under without oiler	$2.00
Certified Crane Operator	1.50
Certified Hazardous Material Operator	1.50
Crane, climbing (such as Linden)	.50
Crane, pile driving and extracting	.50
Crane, with boom (including jib) over 100' (from pin to pin) add $.01 per foot to maximum of	4.00
Crane, using rock socket tool	.50
Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above ground)	.50
Dragline, 7 cu. yds. and over	.50
Hoist, three (3) or more drums in use	.50
Scoop, Tandem	.50
Shovel, power - 7 cu. yds. or more	.50
Tractor, tandem crawler	.50
Tunnel, man assigned to work in tunnel or tunnel shaft	.50
Wrecking, when machine is working on second floor or higher	.50

IRON0010-012 04/01/2016

	Rates	Fringes
Ironworkers:		
ANDREW, BARTON, BENTON, CAMDEN, CEDAR, CHARITON, CHRISTIAN, COOPER, DADE, DALLAS, DAVIESS, DE KALB, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, HOWARD, LACLEDE, LINN, LIVINGSTON, MERCER, MONITEAU, MORGAN, NODAWAY, PETTIS, POLK, PUTNAM, RANDLOPH, ST. CLAIR, SULLIVAN, TANEY, VERNON, WEBSTER, WRIGHT and WORTH Counties and portions of ADAIR, BOONE, MACON, MILLER and RANDOLPH Counties	$ 29.00	28.15
ATCHISON, BATES, BUCHANAN, CALDWELL, CARROLL, CASS, CLAY, CLINTON, HENRY, JACKSON, JOHNSON, LAFAYETTE, PETTIS, PLATTE, SALINE, AND RAY COUNTIES	$ 32.00	28.15

IRON0321-002 08/01/2012

DOUGLAS, HOWELL and OZARK COUNTIES

	Rates	Fringes
Ironworker	$ 18.40	14.68

IRON0396-004 08/05/2015

ST. LOUIS (City and County), ST. CHARLES, JEFFERSON, IRON, FRANKLIN, LINCOLN, WARREN, WASHINGTON, ST. FRANCOIS, STE. GENEVIEVE, and REYNOLDS Counties; and portions of MADISON, PERRY, BOLLINGER, WAYNE, and CARTER Counties

	Rates	Fringes
Ironworker	$ 32.88	23.16

IRON0396-009 07/30/2014

AUDRAIN, CALLAWAY, COLE, CRAWFORD, DENT, GASCONADE, MARIES, MONTGOMERY, OSAGE, PHELPS, PIKE, PULASKI, TEXAS and WRIGHT Counties; and portions of BOONE, CAMDEN, DOUGLAS, HOWELL, LACLEDE, MILLER, MONROE, OREGON, SHANNON and RALLS Counties

	Rates	Fringes
Ironworker	$ 28.01	22.36

IRON0577-005 08/01/2016

ADAIR, CLARK, KNOX, LEWIS, MACON, MARION, MONROE, RALLS, SCHUYLER, SCOTLAND, AND SHELBY COUNTIES

	Rates	Fringes
Ironworker	$ 25.81	21.29

IRON0584-004 06/01/2015

BARRY, JASPER, LAWRENCE, MCDONALD, NEWTON AND STONE Counties

	Rates	Fringes
Ironworkers:	$ 24.00	13.53

IRON0782-003 05/01/2016

CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD Counties; and portions of BOLLINGER, BUTLER, CARTER, DUNKLIN, MADISON, PEMISCOT, PERRY, RIPLEY, and WAYNE Counties

	Rates	Fringes
Ironworkers:		

Locks, Dams, Bridges and other major work on the Mississippi and Ohio River only	$ 31.63	24.27
All Other Work	$ 25.12	19.90

LABO0042-003 03/04/2016

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Plumber Laborer	$ 31.12	14.47

LABO0042-005 03/04/2016

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Dynamiter, Powderman	$ 31.12	14.47
Laborers, Flaggers	$ 31.12	14.47
Wrecking	$ 31.12	14.47

LABO0424-002 05/01/2016

	Rates	Fringes
LABORER		
ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, CLARK, COLE, COOPER, HOWARD, IRON, KNOX, LEWIS, LINN, MACON, MADISON, MARION, MILLER, MONITEAU, MONROE, PERRY, PIKE, PUTNAM, RALLS, RANDOLPH, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES		
GROUP 1	$ 27.96	13.17
GROUP 2	$ 27.96	13.17
BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, MARIES, MISSISSIPPI, NEW MADRID, OREGON, OSAGE, PEMISCOT, PHELPS, PULASKI, RIPLEY, SCOTT, SHANNON, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES		
GROUP 1	$ 27.96	13.17
GROUP 2	$ 27.96	13.17
FRANKLIN COUNTY		
GROUP 1	$ 29.71	13.17
GROUP 2	$ 30.31	13.17

JEFFERSON COUNTY		
GROUP 1	$ 29.76	13.17
GROUP 2	$ 30.36	13.17
LINCOLN, MONTGOMERY AND WARREN COUNTIES		
GROUP 1	$ 31.18	13.32
GROUP 2	$ 31.18	13.32
ST.CHARLES COUNTY		
GROUP 1	$ 3.18	13.32
GROUP 2	$ 31.18	13.32

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggie man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutement and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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LABO0579-005 05/01/2017

	Rates	Fringes
LABORER (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HOLT, LIVINGSTON, MERCER, NODAWAY and WORTH COUNTIES.)		
GROUP 1	$ 25.66	14.07
GROUP 2	$ 26.01	14.07
LABORER (BARRY, BARTON, BATES, BENTON, CAMDEN, CARROLL, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HENRY. HICKORY, JASPER, JOHNSON, LACLEDE, LAWRENCE, MCDONALD, MORGAN, NEWTON, OZARK, PETTIS, POLK, ST.CLAIR, SALINE, STONE, TANEY, VERNON, WEBSTER and WRIGHT COUNTIES)		
GROUP 1	$ 24.66	13.27
GROUP 2	$ 25.21	13.27
LABORER (LAFAYETTE COUNTY)		
GROUP 1	$ 26.21	13.52
GROUP 2	$ 26.56	13.52

LABORERS CLASSIFICATIONS

GROUP 1: General Laborers - Carpenter tenders; salamander tenders; loading trucks under bins; hoppers & conveyors; track men & all other general laborers; air tool operator; cement handler-bulk or sack; dump man on earth fill; georgie buggie man; material batch hopper man; material mixer man (except on manholes); coffer dams; riprap pavers - rock, block or brick; signal man; scaffolds over ten feet not self-supported from ground up; skipman on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoline, oil drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator, all work in connection with hydraulic or general dredging operations; puddlers (paving only); straw blower nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material or materials (where special protection is required); rubbing concrete; topper of standing trees; batter board man on pipe and ditch work; feeder man on wood pulverizers; board and willow mat weavers and cable tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 feet where compressed air is not used; abutment and pier hole men working six (6) feet or more below ground; men working in coffer dams for bridge piers and footings in the river; ditchliners; pressure groutmen; caulker; chain or concrete saw; cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground; mortarmen on brick or block manholes; toxic

and hazardous waste work.

GROUP 2: Skilled Laborers - Head pipe layer on sewer work; laser beam man; Jackson or any other similar tamp; cutting torch man; form setters; liners and stringline men on concrete paving, curb, gutters; hot mastic kettleman; hot tar applicator; sandblasting and gunite nozzlemen; air tool operator in tunnels; screed man on asphalt machine; asphalt raker; barco tamper; churn drills; air track drills and all similar drills; vibrator man; stringline man for electronic grade control; manhole builders-brick or block; dynamite and powder men; grade checker.

LAB00663-002 04/01/2017

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
LABORER		
GROUP 1	$ 29.58	15.23
GROUP 2	$ 30.79	15.23

LABORERS CLASSIFICATIONS

GROUP 1: General laborers, Carpenter tenders, salamander tenders, loading trucks under bins, hoppers and conveyors, track men and all other general laborers, air tool operator, cement handler (bulk or sack), chain or concrete saw, deck hands, dump man on earth fill, Georgie Buggies man, material batch hopper man, scale man, material mixer man (except on manholes), coffer dams, abutments and pier hole men working below ground, riprap pavers rock, black or brick, signal man, scaffolds over ten feet not self-supported from ground up, skipman on concrete paving, wire mesh setters on concrete paving, all work in connection with sewer,water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipelines, power tool operator, all work in connection with hydraulic or general dredging operations, straw blower nozzleman,asphalt plant platform man, chuck tender, crusher feeder, men handling creosote ties on creosote materials, men working with and handling epoxy material or materials (where special protection is required), topper of standing trees, batter board man on pipe and ditch work, feeder man on wood pulverizers, board and willow mat weavers and cable tiers on river work, deck hands, pile dike and revetment work, all laborers working on underground tunnels less than 25 feet where compressed air is not used, abutment and pier hole men working six (6) feet or more below ground, men working in coffer dams for bridge piers and footings in the river, ditchliners, pressure groutmen, caulker and chain or concrete saw, cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground, mortarmen on brick or block manholes, signal man.

GROUP 2: Skilled Laborer - spreader or screed man on asphalt machine, asphalt raker, grade checker, vibrator

man, concrete saw over 5 hp., laser beam man, barco tamper, jackson or any other similar tamp, wagon driller, churn drills, air track drills and other similar drills, cutting torch man, form setters, liners and stringline men on concrete paving, curb, gutters and etc., hot mastic kettleman, hot tar applicator, hand blade operators, mortar men on brick or block manholes, sand blasting and gunnite nozzle men, rubbing concrete, air tool operator in tunnels, head pipe layer on sewer work, manhole builder (brick or block), dynamite and powder men.

PAIN0002-002 09/01/2007

CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES

	Rates	Fringes
Painters:		
Brush and Roller; Taper	$ 28.61	10.24
High work over 60 feet	$ 29.11	10.24
Lead Abatement	$ 29.36	10.24
Pressure Roller; High work under 60 ft	$ 28.86	10.24
Spray & Abrasive Blasting; Water Blasting (Over 5000 PSI)	$ 30.61	10.24
Taper (Ames Tools & Bazooka)	$ 30.21	10.24

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* PAIN0002-006 04/01/2017

ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES and the City of Booneville.

	Rates	Fringes
Painters:		
Bridges, Dams, Locks or Powerhouses	$ 25.69	12.13
Brush and Roll; Taping, Paperhanging	$ 23.69	12.13
Epoxy or Any Two Part Coating; Sandblasting; Stage or other Aerial Work - Platforms over 50 feet high; Lead Abatement	$ 24.69	12.13
Spray; Structural Steel (over 50 feet)	$ 24.44	12.13
Tapers using Ames or Comparable Tools	$ 24.19	12.13

PAIN0003-004 04/01/2015

CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement; Sandblast; Storage Bin & Tanks	$ 30.33	15.94
Brush & Roller	$ 27.71	15.94
Drywall	$ 27.93	15.94
Paper Hanger	$ 28.21	15.94
Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping	$ 29.33	15.94
Steeplejack	$ 33.90	15.94

PAIN0003-011 04/01/2011

BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement; Sandblast; Storage Bin & Tanks	$ 24.06	14.04
Brush & Roller	$ 22.67	14.04
Drywall	$ 22.84	14.04
Paper Hanger	$ 23.07	14.04
Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping	$ 23.56	14.04
Steeplejack	$ 26.82	14.04

PAIN0203-001 04/01/2012

BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, and WRIGHT COUNTIES

	Rates	Fringes
Painters:		
Finisher	$ 20.18	11.33
Painter	$ 19.75	11.76
Sandblaster, High Man, Spray Man, Vinyl Hanger, Tool Operator	$ 21.18	11.33

PAIN1265-003 07/01/2013

CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS, PULASKI AND TEXAS COUNTIES

	Rates	Fringes
Painters:		
Brush and Roller	$ 25.64	13.27
Floor Work	$ 26.14	13.27
Lead Abatement	$ 27.89	13.27
Spray	$ 27.14	13.27
Structural Steel, Sandblasting and All Tank Work	$ 26.89	13.27
Taping, Paperhanging	$ 26.64	13.27

PAIN1292-002 09/01/2016

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS, RIPLEY, SCOTT, SHANNON, STODDARD and WAYNE COUNTIES

	Rates	Fringes
Painters:		
Bridges, Stacks & Tanks	$ 30.85	11.64
Brush & Roller	$ 25.35	11.64
Spray & Abrasive Blasting; Waterblasting (over 5000 PSI)	$ 28.95	11.64

Height Rates (All Areas):
Over 60 ft. $0.50 per hour.
Under 60 ft. $0.25 per hour.

PAIN1292-003 09/01/2016

IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE and WASHINGTON COUNTIES

	Rates	Fringes
Painters:		
Bridges, Stacks & Tanks	$ 30.85	11.64
Brush & Roller	$ 26.50	11.64
Spray & Abrasive Blasting; Waterblasting (Over 5000 PSI)	$ 30.10	11.64

Height Rates (All Areas):
Over 60 ft. $0.50 per hour
Under 60 ft. $0.25 per hour.

PAIN2012-001 05/01/2012

ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY &

WORTH COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller	$ 22.93	11.51
Sandblaster	$ 23.93	11.51
Steeplejack	$ 25.93	11.51

PLAS0518-006 04/01/2014

BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 30.34	20.23

PLAS0518-007 04/10/2017

CASS (Richards-Gebaur AFB only), CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Cement Masons:	$ 31.52	19.01

PLAS0518-011 04/10/2017

ANDREW, ATCHISON, BATES, BUCHANNAN, CLINTON, DEKALB, GENTRY, HENRY, HOLT, JOHNSON, LAFAYETTE, NODAWAY & WORTH COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 31.52	19.01

PLAS0527-001 04/01/2017

	Rates	Fringes
CEMENT MASON		
FRANKLIN, LINCOLN AND WARREN COUNTIES	$ 30.74	18.07
JEFFERSON, ST. CHARLES COUNTIES AND ST.LOUIS (City and County)	$ 31.91	18.07

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* PLAS0527-004 06/01/2017

CRAWFORD, DENT, IRON, MADISON, MARION, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SHANNON, TEXAS, WASHINGTON COUNTIES

	Rates	Fringes
CEMENT MASON	$ 28.10	18.07

PLAS0908-001 05/01/2016

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, HOWELL, MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, RIPLEY, SCOTT, STODDARD, AND WAYNE COUNTIES

	Rates	Fringes
CEMENT MASON	$ 26.60	16.28

PLAS0908-005 05/01/2012

BENTON, CALDWELL, CALLAWAY, CAMDEN, CARROLL, COLE, DAVIESS, GASCONADE, GRUNDY, HARRISON, LIVINGSTON, MACON, MARIES, MERCER, MILLER, MONTGOMERY, MORGAN, OSAGE, PETTIS & SALINE COUNTIES

	Rates	Fringes
CEMENT MASON	$ 25.25	12.55

PLUM0008-003 06/01/2016

CASS, CLAY, JACKSON, JOHNSON, AND PLATTE COUNTIES

	Rates	Fringes
Plumbers	$ 42.64	21.04

PLUM0008-017 06/01/2016

BATES, BENTON, CARROLL, HENRY, LAFAYETTE, MORGAN, PETTIS, RAY, ST. CLAIR, SALINE AND VERNON COUNTIES

	Rates	Fringes
Plumbers	$ 42.64	21.04

PLUM0045-003 09/01/2016

ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, HARRISON, HOLT, NODAWAY AND WORTH COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 35.50	20.80

PLUM0178-003 11/01/2016

BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND WRIGHT COUNTIES

	Rates	Fringes
Plumbers and Pipefitters	$ 29.55	15.05

PLUM0178-006 11/01/2016

BARTON, JASPER, MCDONALD AND NEWTON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters		
Projects $750,000 & under	$ 26.58	15.05
Projects over $750,000	$ 29.55	15.05

PLUM0533-004 06/01/2016

BATES, BENTON, CARROLL, CASS, CLAY, HENRY, HICKORY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY, SALINE, ST. CLAIR AND VERNON COUNTIES

	Rates	Fringes
Pipefitters	$ 45.33	19.32

PLUM0562-004 07/01/2016

ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY,CAMDEN, CAPE GIRARDEAU,CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, DUNKLIN, FRANKLIN, GASCONADE, GRUNDY, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, LIVINGSTON, MACON, MADISON, MARIES, MARION, MERCER, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, NEW MADRID, OREGON, OSAGE, PEMISCOTT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST.FRANCOIS, STE. GENEVIEVE, ST. LOUIS, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, SULLIVAN, TEXAS, WARREN, WASHINGTON,AND WAYNE COUNTIES.

	Rates	Fringes
Plumbers and Pipefitters		
Mechanical Contracts including all piping and temperature control work $7.0 million & under	$ 36.66	21.49
Mechanical Contracts including all piping and temperature control work over $7.0 million	$ 38.00	26.93

PLUM0562-016 07/01/2016

CAMDEN, COLE, CRAWFORD, FRANKLIN, JEFFERSON, MARIES, MILLER, MONITEAU, OSAGE, PHELPS, PULASKI, ST. CHARLES, ST. LOUIS (City and County), WARREN and WASHINGTON COUNTIES

	Rates	Fringes

Plumbers		
Mechanical Contracts including all piping and temperature control work $7.0 million & under	$ 36.66	21.49
Mechanical Contracts including all piping and temperature control work over $7.0 million	$ 38.00	26.93

TEAM0013-001 05/01/2017

	Rates	Fringes
Truck drivers (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES)		
GROUP 1	$ 28.54	12.00
GROUP 2	$ 28.44	12.00
GROUP 3	$ 28.69	12.00
GROUP 4	$ 28.81	12.00
Truck drivers (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES)		
GROUP 1	$ 29.14	12.85
GROUP 2	$ 29.04	12.85
GROUP 3	$ 29.29	12.85
GROUP 4	$ 29.41	12.85
Truck drivers (FRANKLIN, JEFFERSON and ST. CHARLES COUNTIES)		
GROUP 1	$ 31.63	12.00
GROUP 2	$ 31.74	12.00
GROUP 3	$ 31.74	12.00
GROUP 4	$ 31.85	12.00
Truck drivers (LINCOLN and WARREN COUNTIES)		
GROUP 1	$ 30.28	12.00
GROUP 2	$ 30.39	12.00
GROUP 3	$ 31.43	12.00
GROUP 4	$ 30.50	12.00

TRUCK DRIVERS CLASSIFICATIONS:

GROUP 1: Flat Bed Trucks, Single Axle; Station Wagons; Pickup Trucks; Material Trucks, Single Axle; Tank Wagon,

Single Axle

GROUP 2: Agitator and Transit Mix Trucks

GROUP 3: Flat Bed Trucks, Tandem Axle; Articulated Dump Trucks; Material Trucks, Tandem Axle; Tank Wagon, Tandem Axle

GROUP 4: Semi and/or Pole Trailers; Winch, Fork & Steel Trucks; Distributor Drivers and Operators; Tank Wagon, Semi-Trailer; Insley Wagons, Dumpsters, Half-Tracks, Speedace, Euclids and other similar equipment; A-Frame and Derrick Trucks; Float or Low Boy

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TEAM0056-001 05/01/2016

	Rates	Fringes
Truck drivers (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICHKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)		
GROUP 1	$ 28.97	12.00
GROUP 2	$ 29.13	12.00
GROUP 3	$ 29.12	12.00
GROUP 4	$ 29.24	12.00
Truck drivers: (ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES)		
GROUP 1	$ 28.24	12.00
GROUP 2	$ 28.40	12.00
GROUP 3	$ 28.39	12.00
GROUP 4	$ 28.51	12.00
Truck drivers; (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)		
GROUP 1	$ 30.18	12.00
GROUP 2	$ 30.29	12.00
GROUP 3	$ 30.33	12.00
GROUP 4	$ 30.40	12.00

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Flat bed trucks single axle; station wagons; pickup trucks; material trucks single axle; tank wagons single axle.

GROUP 2: Agitator and transit mix-trucks.

GROUP 3: Flat bed trucks tandem axle; articulated dump trucks; material trucks tandem axle; tank wagons tandem axle.

GROUP 4: Semi and/or pole trailers; winch, fork & steel trucks; distributor drivers & operators; tank wagons semi-trailer; insley wagons, dumpsters, half-tracks, speedace, euclids & other similar equipment; A-frames and derrick trucks; float or low boy.

TEAM0245-001 03/26/2012

BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DALLAS, DENT, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LACLEDE, LAWRENCE, MCDONALD, MILLER, NEWTON, OZARK, PHELPS, POLK, PULASKI, SHANNON, STONE, TANEY, TEXAS, VERNON, WEBSTER AND WRIGHT COUNTIES

	Rates	Fringes
Truck drivers:		
Traffic Control Service Driver	$ 20.45	0.00

PAID HOLIDAYS: New Year's Day, Decoration Day, July 4th, Labor Day, Thanksgiving Day, Christmas Day, employee's birthday and 2 personal days.

TEAM0541-001 04/01/2017

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 32.06	14.85
GROUP 2	$ 31.49	14.85
GROUP 3	$ 30.97	14.85

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Mechanics and Welders, Field; A-Frame Low Boy-Boom ruck Driver.

GROUP 2: Articulated Dump Truck; Insley Wagons: Dump Trucks, Excavating, 5 cu yds and over; Dumpsters; Half-Tracks: Speedace: Euclids & similar excavating equipment Material trucks, Tandem Two teams; Semi-Trailers; Winch trucks-Fork trucks; Distributor Drivers and Operators; Agitator and Transit Mix; Tank Wagon Drivers, Tandem or Semi; One Team; Station Wagons; Pickup Trucks; Material Trucks, Single Axle; Tank Wagon Drivers, Single Axle

GROUP 3: Oilers and Greasers - Field

TEAM0682-002 05/01/2017

ST LOUIS CITY AND COUNTY

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 33.30	13.79+a+b+c+d
GROUP 2	$ 33.50	13.79+a+b+c+d
GROUP 3	$ 33.60	13.79+a+b+c+d

a. PENSION: 5/1/2012 - $182.20 per week.

b. HAZMAT PREMIUM: If Hazmat certification on a job site is required by a state or federal agency or requested by project owner or by the employer, employees on that job site shall receive $1.50 premium pay.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - Pick-up trucks; forklift, single axle; flatbed trucks; job site ambulance, and trucks or trailers of a water level capacity of 11.99 cu. yds. or less

GROUP 2 - Trucks or trailers of a water level capacity of 12.0 cu yds. up to 22.0 cu yds. including euclids, speedace and similar equipment of same capacity and compressors

GROUP 3 - Trucks or trailers of a water level capacity of 22.0 cu. yds & over including euclids, speedace & all floats, flatbed trailers, boom trucks, winch trucks, including small trailers, farm wagons tilt-top trailers, field offices, tool trailers, concrete pumps, concrete conveyors & gasoline tank trailers and truck mounted mobile concrete mixers

FOOTNOTE FOR TRUCK DRIVERS:

c. PAID HOLIDAYS: Christmas Day, Independence Day, Labor Day, Memorial Day, Veterans Day, New Years Day, Thanksgiving Day

d. PAID VACATION: 3 days paid vacation for 600 hours of service in any one contract year; 4 days paid vacation for 800 hours of service in any one contract year; 5 days paid vacation for 1,000 hours of service in any one contract year. When such an employee has completed 3 years of continuous employment with the same employer and then works the above required number of hours, he shall receive double the number of days of vacation specified above. When such an employee has completed 10 years of continuous employment with the same employer and then works the above required number of hours, he shall receive triple the number of days of vacation specified above. When such an employee has completed 15 years of continuous employment with the same employer and then works the above required number of hours, he shall receive 4 times the number of days of vacation specified above.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate

changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial

contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

JOB SPECIAL PROVISION JSP-4100-03
PVC CLOSED PROFILE GRAVITY SEWER PIPE – DIAMETERS 18 INCHES AND GREATER
(Addendum No. 1)

1.0 SCOPE

This work includes the specifications for PVC Closed Wall gravity sewer pipe with diameters of 18 inches and greater. The requirements of this JSP shall govern if there are conflicts with Section 4100 of the City of Joplin's Standard Specifications.

1.1 SUMMARY

A. Section Includes:
   1. PVC Closed Profile gravity sewer pipe with diameters of 18 inches or greater.

B. Related Sections include but are not necessarily limited to:
   1. City of Joplin Specification Division 4100 – Sanitary Sewer Main.

1.2 SUBMITTALS

A. Shop Drawings:
   1. See the Contract Documents for requirements for the mechanics and administration of the submittal process.

PART 2 - PRODUCTS

2.1 MATERIALS

A. All PVC closed profile pipe shall conform to ASTM F1803. Closed wall profile pipe shall be made of PVC plastic having cell classification of 12364A, as defined by ASTM D1784.

B. Joints shall be of the bell and spigot type. The bell shall contain a factory-installed elastomeric gasket which is positively retained. Joint shall be in conformance with ASTM D3212.

C. The gasket shall be molded or extruded and spliced from a high-grade, properly vulcanized elastomeric compound, consisting of a synthetic rubber and shall meet the low head requirements of ASTM F477.

D. The minimum pipe stiffness (F/delta-y) at 5% shall be 46 psi for all test sizes in accordance with ASTM D2412, latest revision.

E. Each length of pipe shall pass a factory 3.5 psi air test as described in ASTM F1803.

PART 3 - EXECUTION

3.1 INSTALLATION

1. The installation of PVC Closed Profile Pipe shall be in accordance with the City of Joplin Specification Division 4100.

4.0 MEASUREMENT

In accordance with Section 4100 of City of Joplin's Standard Specifications.

5.0 PAYMENT

In accordance with Section 4100 of City of Joplin's Standard Specifications and shall include all costs associated with trenching.

JOB SPECIAL PROVISION JSP-4100-04
IMPERVIOUS TRENCH CHECK
(Addendum No. 1)

1.0 SCOPE

This work shall include all measures necessary to construct an impervious trench check, as applicable to the construction of the improvements included in these Contract Documents.

2.0 IMPERVIOUS TRENCH CHECK LOCATIONS

The locations of the impervious trench checks are as follows:

Line A, Gravity Sewer – Station 14+40 and Station 37+50.
Line B, Force Main – Station 14+25, Station 37+75, Station 48+00.

3.0 MEASUREMENT

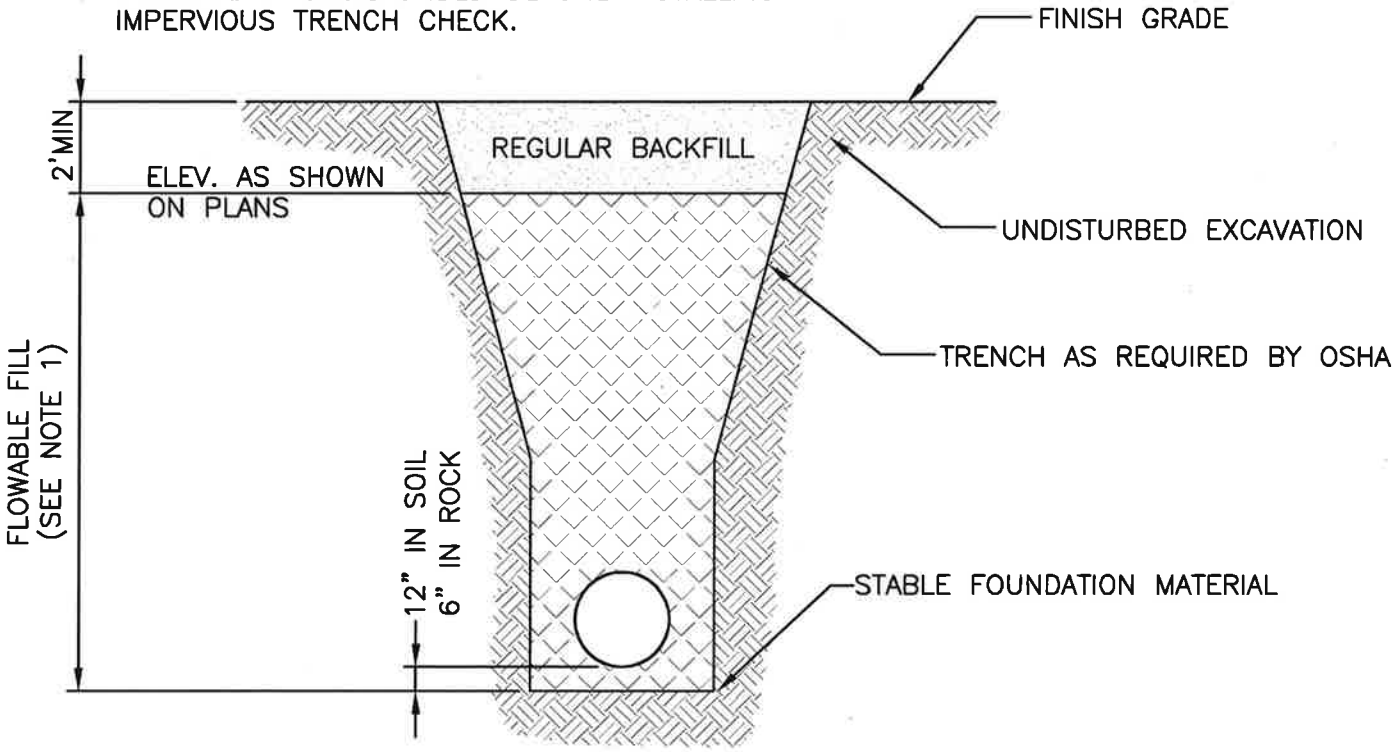
No measurement will be made for this JSP.

4.0 PAYMENT

No separate payment will be made for this JSP. All costs associated with this JSP shall be included in the Bid Items for Sanitary Sewer Pipe and Force Main.

NOTE:

IF THE CONTRACTOR USES BLASTING AS A MEANS OF EXCAVATION THE CONTRACTOR SHALL REMOVE ALL FRACTURED MATERIALS TO THE LIMITS OF WHERE MATERIAL IS UNDISTURBED BEFORE INSTALLING IMPERVIOUS TRENCH CHECK.



NOTES:

1. IMPERVIOUS TRENCH CHECKS SHALL BE PLACED WHERE SHOWN ON THE PLANS. LENGTH SHALL BE A MINIMUM OF 2 LF. FLOWABLE FILL SHALL BE PER THE CITY OF JOPLIN.
2. REGULAR BACKFILL (ABOVE TRENCH CHECK) SHALL BE TOP SOIL.
3. TOP OF IMPERVIOUS MATERIAL SHALL BE A MINIMUM OF 2'–0" BELOW FINISHED GRADE.

IMPERVIOUS TRENCH CHECK DETAIL

3
–

NOT TO SCALE

JOB SPECIAL PROVISION JSP-4500-03
EMPIRE ELECTRIC REQUIREMENTS
(Addendum No. 1)

1.0 SCOPE

This work shall include all measures necessary to comply with attached pages 67, 90, 91, and 92 from the Empire District Electric Co., as applicable to the construction of the improvements included in these Contract Documents.

2.0 MEASUREMENT

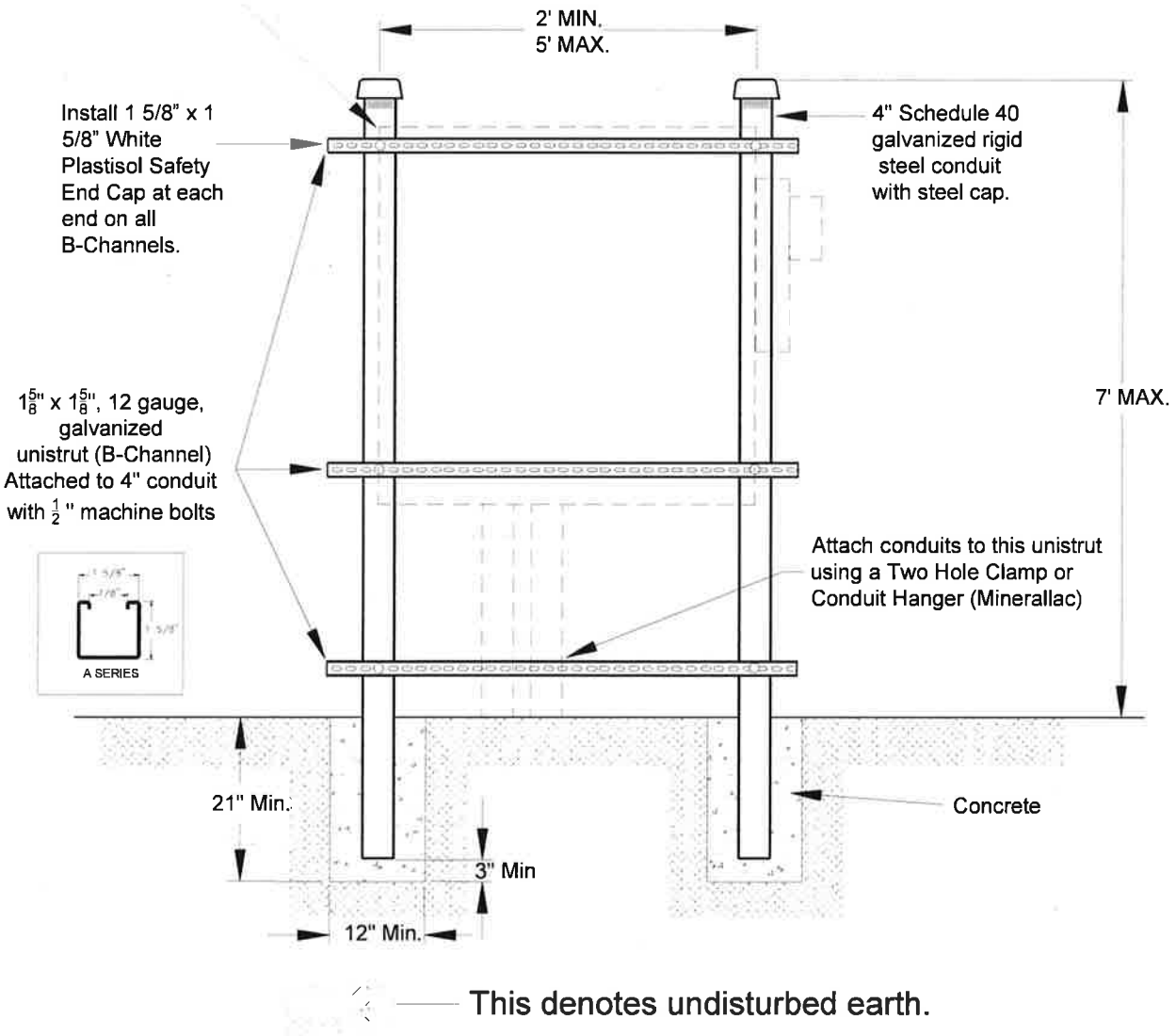
No measurement will be made for this JSP.

3.0 PAYMENT

No separate payment will be made for this JSP. All costs associated with this JSP shall be included in the Bid Item for "20th and Malang Pump Station" and "Lift Station 19".

Service Equipment shall be installed as shown in these Service Standards. Install this equipment on front side of this structure.

COMMERCIAL & INDUSTRIAL



Contact EDECo. for the Location and orientation before installing this structure.

Caution !
Contact all Utilities before digging

All Equipment Furnished & Installed By Customer Unless Otherwise Noted.

THE EMPIRE DISTRICT ELECTRIC CO. JOPLIN, MISSOURI	
Underground Service Structure	
DWG. NO. V06A05 MS0605	
DRAWN: SDS	DATE: 07/15/06
SCALE: NTS	FIGURE 40
REVISIONS	

Figure 40: Underground Service Structure

7.6 400 AMP TO 1200 AMP CT METERING, THREE PHASE UNDERGROUND SERVICE

A. General Notes:

1. This arrangement may be utilized for services from 400 amps and less than or equal to 1200 amps. **For services greater than 1200 amps, contact the Company.**
2. The disconnection method may be composed of multiple disconnects to make up the full 1200 amp capacity of the service as long as there are not more than 6. If one disconnect is used and it is greater than 400 amps, it may be located on the interior of the building unless the authority having jurisdiction dictates otherwise. Disconnects of 400 amps and below will be located on the exterior of the building. **Please note that in all cases all disconnects making up this service will be at the same location.**
3. The service lateral conductors and meter are furnished and installed by the Company. Customer will provide approximate final grade level within six inches (6") prior to service lateral installation.
4. The current transformers (CT) are furnished by the Company. These may be issued to the Customer for installation or installed by Company employees. **The Customer shall provide and install the CT/connection cabinet. The approved suppliers are shown in the table below.**

Service Size	CT/Connection Cabinet H x W x D	Accessories Needed	Supplier		
400 - 800 amp	36" x 36" x 16" This shall be equipped with two doors with lift-off hinges, 3 point latching, and no center post.	1. ¾ " Exterior Plywood Panel Installed in back of Cabinet 2. Provision to Padlock the Cabinet shut using a 3/8" Shackle padlock	Durham Cat# 1005693	Milbank Cat# 363616-CT3R-WB	Austin Enclosures Cat# 363616WLD001
1000 - 1200 amp	48" x 48" x 16" This shall be equipped with two doors with lift-off hinges, 3 point latching, and no center post.	1. ¾ " Exterior Plywood Panel Installed in back of Cabinet 2. Provision to Padlock the Cabinet shut using a 3/8" Shackle padlock	Durham Cat# 1005735	Milbank Cat# 484816-CT3R-WB	Austin Enclosures Cat# 484816WLD001

5. The meter socket shall be purchased from the Company and installed by the Customer.
6. The metering control cable is furnished and installed by the Company.
7. The metering equipment should be "readily accessible" (see definitions). The Company requires a level and unobstructed work space of 78 inches tall, 18 inches on either side, and 48 inches in front of the metering equipment. Prior approval is required for placement of the metering equipment in alleyways or areas where it may be subjected to damage.
8. An intersystem bonding termination arrangement may be required. Consult the NEC for the particular application of this type of device.

B. Mounting:
   1. Metering equipment, ground wire, and conduits for service lateral and metering control cable shall be surface mounted and securely fastened to the structure. The meter equipment shall be installed in a level and plumb position. **Flush mounted or recessed metering equipment and service lateral conduit embedded in a wall will not be permitted.**
   2. Where the exterior wall is other than brick or concrete blocks, a support frame shall be installed behind the exterior wall to provide a solid mounting surface for the metering equipment.
   3. Conduits shall be furnished and installed by Customer.

C. Connections:
   1. All connections inside the CT/connection cabinet shall be made by Company. The Company shall provide the connectors.
   2. The point of delivery for this type of service is at the connectors in the CT/connection cabinet.

D. Conductor marking
   All neutral conductors shall be clearly marked with white tape at the point of delivery.

E. Phase Rotation
   On three-phase installations to insure proper equipment operation, the Customer is responsible for verifying phase rotation at the time of service connection.

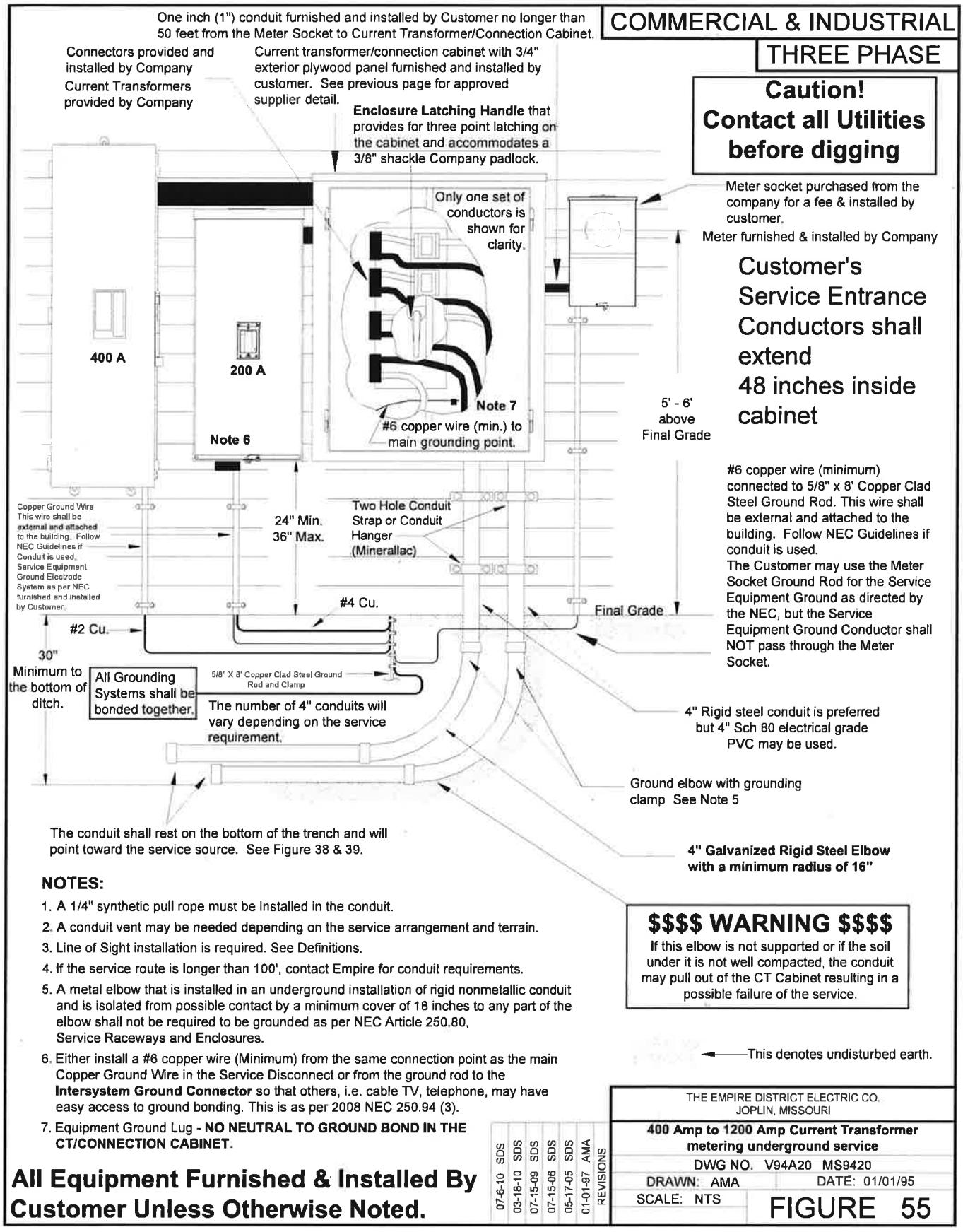


Figure 55: 400 Amp to 1200 Amp CT Metering, Three Phase Underground Service

JOB SPECIAL PROVISION JSP-0400-04
BNSF RAILWAY COMPANY PIPELINE LICENSE
(Addendum No. 1)

1.0 SCOPE

This work shall include all measures necessary to comply with the attached PIPELINE LICENSE, as applicable to the construction of the improvements included in these Contract Documents.

2.0 MEASUREMENT

No measurement will be made for this JSP.

3.0 PAYMENT

No payment will be made for this JSP.

PIPELINE LICENSE

THIS PIPELINE LICENSE (**"License"**) is made to be effective June 14, 2017, (the **"Effective Date"**) by and between **BNSF RAILWAY COMPANY**, a Delaware corporation (**"Licensor"**) and **CITY OF JOPLIN, MO**, a Missouri corporation (**"Licensee"**).

In consideration of the mutual covenants contained herein, the parties agree to the following:

GENERAL

1. Grant of License. Licensor hereby grants Licensee a non-exclusive license, subject to all rights, interests, and estates of third parties, including, without limitation, any leases, use rights, easements, liens, or other encumbrances, and upon the terms and conditions set forth below, to construct and maintain, in strict accordance with the drawings and specifications approved by Licensor as part of Licensee's application process (the **"Drawings and Specifications"**), three (3) pipelines, eighteen(18"), eight(8") and six(6") inches in diameter inside a fortytwo (42") inch steel casing (collectively, the **"Pipeline"**), across or along Licensor's rail corridor at or near the station of Joplin, County of Jasper, State of MO, Line Segment 1007, Mile Post 336.90 as shown on the attached Drawing No. 69442, dated April 5, 2017, attached hereto as **Exhibit "A"** and incorporated herein by reference (the **"Premises"**).

2. Term. This License shall commence on the Effective Date and shall continue for a period of twenty-five (25) years, subject to prior termination as hereinafter described.

3. Existing Improvements. Licensee shall not disturb any improvements of Licensor or Licensor's existing lessees, licensees, easement beneficiaries or lien holders, if any, or interfere with the use, repair, maintenance or replacement of such improvements.

4. Use of the Premises. Licensee shall use the Premises solely for construction, maintenance, and use of the Pipeline in accordance with the Drawings and Specifications. The Pipeline shall carry sanitary sewer wastewater, and Licensee shall not use the Pipeline to carry any other material or use the Premises for any other purpose.

5. Alterations. Except as set forth in this License, Licensee may not make any alterations to the Premises or permanently affix anything to the Premises or any buildings or other structures adjacent to the Premises without Licensor's prior written consent.

COMPENSATION

6. License Fee. Licensee shall pay Licensor, prior to the Effective Date, the sum of Eleven Thousand One Hundred and No/100 Dollars ($ 11,100.00) as compensation for the use of the Premises.

7. Costs and Expenses.

   7.1 For the purpose of this License, "cost" or "costs" and "expense" or "expenses" includes, but is not limited to, actual labor and material costs including all assignable additives, and material and supply costs at current value where used.

   7.2 Licensee agrees to reimburse Licensor (pursuant to the terms of **Section 8** below) for all costs and expenses incurred by Licensor in connection with Licensee's use of the Premises or the presence, construction and maintenance of the Pipeline, including but not limited to the furnishing of Licensor's flaggers and any vehicle rental costs incurred. Licensee shall bear the cost of flagger services and other safety measures provided by Licensor, when deemed necessary by Licensor's representative. Flagging costs shall include, but not be limited to, the following: pay for at least an eight (8) hour basic day with time and one-half or double time for overtime, rest days and holidays (as applicable); vacation allowance; paid holidays (as applicable); railway and unemployment insurance; public liability and property damage insurance; health and welfare benefits; transportation; meals; lodging and supervision. Negotiations for railway labor or collective bargaining agreements and rate changes authorized by appropriate Federal authorities may increase flagging rates. Flagging rates in effect at the time of performance by the flaggers will be used to calculate the flagging costs pursuant to this **Section 7**.

8. Payment Terms. All invoices are due thirty (30) days after the date of invoice. If Licensee fails to pay any monies due to Licensor within thirty (30) days after the invoice date, then Licensee shall pay interest on such unpaid sum from the due date until paid at an annual rate equal to the lesser of (i) the prime rate last published in *The Wall Street Journal* in the preceding December plus two and one-half percent (2-1/2%), or (ii) the maximum rate permitted by law.

LICENSOR'S RESERVED RIGHTS

9. Reserved Rights of Use. Licensor excepts and reserves the right, to be exercised by Licensor and any other parties who may obtain written permission or authority from Licensor:

9.1 to maintain, use, operate, repair, replace, modify and relocate any utility, power or communication pipe/lines/cables and appurtenances (other than the Pipeline) and other facilities or structures of like character upon, over, under or across the Premises existing as of the Effective Date;

9.2 to construct, maintain, renew, use, operate, change, modify and relocate any tracks or additional facilities, structures and related appurtenances upon, over, under or across the Premises; or

9.3 to use the Premises in any manner as Licensor in its sole discretion deems appropriate, provided Licensor uses all commercially reasonable efforts to avoid material interference with the use of the Premises by Licensee for the purpose specified in **Section 4** above.

10. Right to Require Relocation. If at any time during the term of this License, Licensor desires the use of its rail corridor in such a manner as would, in Licensor's reasonable opinion, be interfered with by the Pipeline, Licensee shall, at its sole expense, within ninety(90) days after receiving written notice from Licensor to such effect, make such changes in the Pipeline as in the sole discretion of Licensor may be necessary to avoid interference with the proposed use of Licensor's rail corridor, including, without limitation, the relocation of the Pipeline, or the construction of a new pipeline to replace the Pipeline. Notwithstanding the foregoing, Licensee agrees to make all emergency changes and minor adjustments, as determined by Licensor in its sole discretion, to the Pipeline promptly upon Licensor's request.

LICENSEE'S OPERATIONS

11. Construction and Maintenance of the Pipeline.

11.1 Licensee shall notify Licensor's Roadmaster, Katie.bruce@bnsf.com or 417-829-2360 at least ten (10) business days prior to installation of the Pipeline and prior to entering the Premises for any subsequent maintenance thereon. In the event of emergency, Licensee shall notify Licensor of Licensee's entry onto the Premises at the telephone number above as soon as practicable and shall promptly thereafter follow up with written notice of such entry.

11.2 Licensee's on-site supervisors shall retain/maintain a fully executed copy of this License at all times while on the Premises.

11.3 While on the Premises, Licensee shall use only public roadways to cross from one side of Licensor's tracks to the other.

11.4 Any contractors or subcontractors performing work on the Pipeline or entering the Premises on behalf of Licensee shall be deemed servants and agents of Licensee for purposes of this License.

11.5 Under no conditions shall Licensee be permitted to conduct any tests, investigations or any other activity using mechanized equipment and/or machinery, or place or store any mechanized equipment, tools or other materials, within twenty-five (25) feet of the centerline of any railroad track on the Premises unless Licensee has obtained prior written approval from Licensor. Licensee shall, at its sole cost and expense, perform all activities on and about the Premises in such a manner as not at any time to endanger or interfere with (i) the existence or use of present or future tracks, roadbeds, or property of Licensor, (ii) the safe operation and activities of Licensor or existing third parties, or (iii) the rights or interests of third parties. If ordered to cease using the Premises at any time by Licensor's personnel due to any hazardous condition, Licensee

shall immediately do so. Notwithstanding the foregoing right of Licensor, the parties agree that Licensor has no duty or obligation to monitor Licensee's use of the Premises to determine the safe nature thereof, it being solely Licensee's responsibility to ensure that Licensee's use of the Premises is safe. Neither the exercise nor the failure by Licensor to exercise any rights granted in this Section will alter the liability allocation provided by this License.

11.6 Licensee shall, at its sole cost and expense, construct and maintain the Pipeline in such a manner and of such material that the Pipeline will not at any time endanger or interfere with (i) the existence or use of present or future tracks, roadbeds, or property of Licensor, (ii) the safe operation and activities of Licensor or existing third parties, or (iii) the rights or interests of third parties. The construction of the Pipeline shall be completed within one (1) year of the Effective Date, and any subsequent maintenance shall be completed within one (1) year of initiation. Within fifteen (15) days after completion of the construction of the Pipeline or the performance of any subsequent maintenance thereon, Licensee shall, at Licensee's own cost and expense, restore the Premises to substantially their state as of the Effective Date, unless otherwise approved in advance by Licensor in writing. On or before expiration or termination of this License for any reason, Licensee shall, at its sole cost and expense, surrender the Premises to Licensor pursuant to the terms and conditions set forth in **Section 24** hereof.

11.7 Licensor may direct one or more of its field engineers to observe or inspect the construction and/or maintenance of the Pipeline at any time for compliance with the Drawings and Specifications and Legal Requirements (defined below). If ordered at any time to halt construction or maintenance of the Pipeline by Licensor's personnel due to non-compliance with the Drawings and Specifications or any other hazardous condition, Licensee shall immediately do so. Notwithstanding the foregoing right of Licensor, the parties agree that Licensor has no duty or obligation to observe or inspect, or to halt work on, the Pipeline, it being solely Licensee's responsibility to ensure that the Pipeline is constructed and maintained in strict accordance with the Drawings and Specifications and in a safe and workmanlike manner in compliance with all terms hereof. Neither the exercise of, nor the failure by Licensor to exercise, any right granted by this Section will alter in any way the liability allocation provided by this License. If at any time Licensee shall, in the sole judgment of Licensor, fail to properly perform its obligations under this **Section 11**, Licensor may, at its option and at Licensee's sole expense, arrange for the performance of such work as it deems necessary for the safety of its operations and activities. Licensee shall promptly reimburse Licensor for all costs and expenses of such work, pursuant to the terms of **Section 8**. Licensor's failure to perform any obligations of Licensee shall not alter the liability allocation hereunder.

12. Boring and Excavation.

12.1 Prior to Licensee conducting any boring, excavation, or similar work on or about any portion of the Premises, Licensee shall explore the proposed location for such work with hand tools to a depth of at least three (3) feet below the surface of the ground to determine whether pipelines or other structures exist below the surface, provided, however, that in lieu of the foregoing, Licensee shall have the right to use suitable detection equipment or other generally accepted industry practice (*e.g.*, consulting with the Underground Services Association) to determine the existence or location of pipelines and other subsurface structures prior to drilling or excavating with mechanized equipment. Licensee may request information from Licensor concerning the existence and approximate location of Licensor's underground lines, utilities, and pipelines at or near the vicinity of the proposed Pipeline by contacting Licensor's Telecommunications Helpdesk at least thirty (30) business days prior to installation of the Pipeline. Upon receiving Licensee's timely request, Licensor will provide Licensee with the information Licensor has in its possession regarding any existing underground lines, utilities, and pipelines at or near the vicinity of the proposed Pipeline and, if applicable, identify the location of such lines on the Premises pursuant to Licensor's standard procedures. Licensor does not warrant the accuracy or completeness of information relating to subsurface conditions of the Premises and Licensee's operations will be subject at all times to the liability provisions herein.

12.2 For all bores greater than 26-inch diameter and at a depth less than 10.0 feet below bottom of rail, a soil investigation must be performed by Licensee and reviewed by Licensor prior to construction. This study is to determine if granular material is present, and to prevent subsidence during the installation process. If the investigation determines in Licensor's reasonable opinion that granular material is present, Licensor may select a new location for Licensee's use, or may require Licensee to furnish for Licensor's review and approval, in Licensor's sole discretion, a remedial plan to deal with the granular material. Once Licensor

has approved any such remedial plan in writing, Licensee shall, at Licensee's sole cost and expense, carry out the approved plan in accordance with all terms thereof and hereof.

12.3 Any open hole, boring, or well, constructed on the Premises by Licensee shall be safely covered and secured at all times when Licensee is not working in the actual vicinity thereof. Following completion of that portion of the work, all holes or borings constructed on the Premises by Licensee shall be:

12.3.1 filled in to surrounding ground level with compacted bentonite grout; or

12.3.2 otherwise secured or retired in accordance with any applicable Legal Requirement. No excavated materials may remain on Licensor's property for more than ten (10) days, but must be properly disposed of by Licensee in accordance with applicable Legal Requirements.

LIABILITY AND INSURANCE

13. Liability and Indemnification.

13.1 For purposes of this License: (a) "**Indemnitees**" means Licensor and Licensor's affiliated companies, partners, successors, assigns, legal representatives, officers, directors, shareholders, employees, and agents; (b) "**Liabilities**" means all claims, liabilities, fines, penalties, costs, damages, losses, liens, causes of action, suits, demands, judgments, and expenses (including, without limitation, court costs, reasonable attorneys' fees, costs of investigation, removal and remediation, and governmental oversight costs) environmental or otherwise; and (c) "**Licensee Parties**" means Licensee or Licensee's officers, agents, invitees, licensees, employees, or contractors, or any party directly or indirectly employed by any of them, or any party they control or exercise control over.

13.2 **TO THE FULLEST EXTENT PERMITTED BY LAW, LICENSEE SHALL, AND SHALL CAUSE ITS CONTRACTOR TO, RELEASE, INDEMNIFY, DEFEND AND HOLD HARMLESS INDEMNITEES FOR, FROM, AND AGAINST ANY AND ALL LIABILITIES OF ANY NATURE, KIND, OR DESCRIPTION DIRECTLY OR INDIRECTLY ARISING OUT OF, RESULTING FROM, OR RELATED TO (IN WHOLE OR IN PART):**

13.2.1 **THIS LICENSE, INCLUDING, WITHOUT LIMITATION, ITS ENVIRONMENTAL PROVISIONS,**

13.2.2 **ANY RIGHTS OR INTERESTS GRANTED PURSUANT TO THIS LICENSE,**

13.2.3 **LICENSEE'S OCCUPATION AND USE OF THE PREMISES,**

13.2.4 **THE ENVIRONMENTAL CONDITION AND STATUS OF THE PREMISES CAUSED BY OR CONTRIBUTED TO BY LICENSEE, OR**

13.2.5 **ANY ACT OR OMISSION OF ANY LICENSEE PARTY.**

13.3 **TO THE FULLEST EXTENT PERMITTED BY LAW, LICENSEE NOW AND FOREVER WAIVES ANY AND ALL CLAIMS THAT BY VIRTUE OF ENTERING INTO THIS LICENSE, LICENSOR IS A GENERATOR, OWNER, OPERATOR, ARRANGER, OR TRANSPORTER FOR THE PURPOSES OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT, AS AMENDED ("CERCLA") OR OTHER ENVIRONMENTAL LAWS (DEFINED BELOW). LICENSEE WILL INDEMNIFY, DEFEND, AND HOLD THE INDEMNITEES HARMLESS FROM ANY AND ALL SUCH CLAIMS. NOTHING IN THIS LICENSE IS MEANT BY EITHER PARTY TO CONSTITUTE A WAIVER OF ANY INDEMNITEE'S COMMON CARRIER DEFENSES AND THIS LICENSE SHOULD NOT BE SO CONSTRUED. IF ANY AGENCY OR COURT CONSTRUES THIS LICENSE TO BE A WAIVER OF ANY INDEMNITEE'S COMMON CARRIER DEFENSES, LICENSEE AGREES TO INDEMNIFY, HOLD HARMLESS, AND DEFEND INDEMNITEES FOR ANY LIABILITIES RELATED TO THAT CONSTRUCTION OF THIS LICENSE. IN NO EVENT AS BETWEEN LICENSOR AND LICENSEE AS TO USE OF THE PREMISES AS CONTEMPLATED BY THIS LICENSE SHALL LICENSOR BE RESPONSIBLE TO LICENSEE FOR THE ENVIRONMENTAL CONDITION OF THE PREMISES.**

13.4 **IF ANY EMPLOYEE OF ANY LICENSEE PARTY ASSERTS THAT HE OR SHE IS AN EMPLOYEE OF ANY INDEMNITEE, TO THE FULLEST EXTENT PERMITTED BY LAW, LICENSEE SHALL, AND SHALL CAUSE ITS CONTRACTOR TO, RELEASE, INDEMNIFY, DEFEND, AND HOLD THE INDEMNITEES HARMLESS FROM AND AGAINST ANY LIABILITIES ARISING OUT OF OR RELATED TO (IN WHOLE OR IN PART) ANY SUCH ASSERTION INCLUDING, BUT NOT LIMITED TO, ASSERTIONS OF EMPLOYMENT BY AN INDEMNITEE RELATED TO THE FOLLOWING OR ANY PROCEEDINGS THEREUNDER: THE FEDERAL EMPLOYERS' LIABILITY ACT, THE SAFETY APPLIANCE ACT, THE LOCOMOTIVE INSPECTION ACT, THE OCCUPATIONAL SAFETY AND HEALTH ACT, THE RESOURCE CONSERVATION AND RECOVERY ACT, AND ANY SIMILAR STATE OR FEDERAL STATUTE.**

13.5 **THE FOREGOING OBLIGATIONS OF LICENSEE SHALL NOT APPLY TO THE EXTENT LIABILITIES ARE PROXIMATELY CAUSED BY THE GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF ANY INDEMNITEE, BUT SHALL APPLY TO ALL OTHER LIABILITIES, INCLUDING THOSE ARISING FROM OR ATTRIBUTED TO ANY OTHER ALLEGED OR ACTUAL NEGLIGENCE, INTENTIONAL ACTS, OR STRICT LIABILITY OF ANY INDEMNITEE.**

13.6 Upon written notice from Licensor, Licensee agrees to assume the defense of any lawsuit or other proceeding brought against any Indemnitee by any entity, relating to any matter covered by this License for which Licensee has an obligation to assume liability for and/or save and hold harmless any Indemnitee. Licensee shall pay all costs and expenses incident to such defense, including, but not limited to, reasonable attorneys' fees, investigators' fees, litigation and appeal expenses, settlement payments, and amounts paid in satisfaction of judgments.

14. Personal Property Risk of Loss. **ALL PERSONAL PROPERTY, INCLUDING, BUT NOT LIMITED TO, FIXTURES, EQUIPMENT, OR RELATED MATERIALS UPON THE PREMISES WILL BE AT THE RISK OF LICENSEE ONLY, AND NO INDEMNITEE WILL BE LIABLE FOR ANY DAMAGE THERETO OR THEFT THEREOF, WHETHER OR NOT DUE IN WHOLE OR IN PART TO THE NEGLIGENCE OF ANY INDEMNITEE.**

15. Insurance. Licensee shall, at its sole cost and expense, procure and maintain during the life of this License the following insurance coverage:

15.1 Commercial General Liability Insurance. This insurance shall contain broad form contractual liability with a combined single limit of a minimum of $5,000,000 each occurrence and an aggregate limit of at least $10,000,000 but in no event less than the amount otherwise carried by Licensee. Coverage must be purchased on a post 2004 ISO occurrence or equivalent and include coverage for, but not limited to, the following:

- Bodily Injury and Property Damage
- Personal Injury and Advertising Injury
- Fire legal liability
- Products and completed operations

This policy shall also contain the following endorsements or language, which shall be indicated on the certificate of insurance:

- The definition of insured contract shall be amended to remove any exclusion or other limitation for any work being done within 50 feet of railroad property.
- Waiver of subrogation in favor of and acceptable to Licensor.
- Additional insured endorsement in favor of and acceptable to Licensor and Jones Lang LaSalle Brokerage, Inc.
- Separation of insureds.
- The policy shall be primary and non-contributing with respect to any insurance carried by Licensor.

It is agreed that the workers' compensation and employers' liability related exclusions in the Commercial General Liability Insurance policy(s) required herein are intended to apply to employees of the policy holder and shall not apply to Licensor's employees.

No other endorsements limiting coverage may be included on the policy.

15.2 Business Automobile Insurance. This insurance shall contain a combined single limit of at least $1,000,000 per occurrence, and include coverage for, but not limited to the following:

- Bodily injury and property damage.
- Any and all vehicles owned, used or hired.

This policy shall also contain the following endorsements, which shall be indicated on the certificate of insurance:

- Waiver of subrogation in favor of and acceptable to Licensor.
- Additional insured endorsement in favor of and acceptable to Licensor.
- Separation of insureds.
- The policy shall be primary and non-contributing with respect to any insurance carried by Licensor.

15.3 Workers' Compensation and Employers' Liability Insurance. This insurance shall include coverage for, but not limited to:

- Licensee's statutory liability under the workers' compensation laws of the state(s) in which the services are to be performed. If optional under state laws, the insurance must cover all employees anyway.
- Employers' Liability (Part B) with limits of at least $500,000 each accident, $500,000 by disease policy limit, $500,000 by disease each employee.

This policy shall also contain the following endorsements or language, which shall be indicated on the certificate of insurance:

- Waiver of subrogation in favor of and acceptable to Licensor.

15.4 Railroad Protective Liability Insurance. This insurance shall name only Licensor as the Insured with coverage of at least $5,000,000 per occurrence and $10,000,000 in the aggregate. The coverage obtained under this policy shall only be effective during the initial installation and/or construction of the Pipeline. **THE CONSTRUCTION OF THE PIPELINE SHALL BE COMPLETED WITHIN ONE (1) YEAR OF THE EFFECTIVE DATE.** If further maintenance of the Pipeline is needed at a later date, an additional Railroad Protective Liability Insurance Policy shall be required. The policy shall be issued on a standard ISO form CG 00 35 12 03 and include the following:

- Endorsed to include the Pollution Exclusion Amendment.
- Endorsed to include the Limited Seepage and Pollution Endorsement.
- Endorsed to include Evacuation Expense Coverage Endorsement.
- No other endorsements restricting coverage may be added.
- The original policy must be provided to Licensor prior to performing any work or services under this License.
- Definition of "Physical Damage to Property" shall be endorsed to read: "means direct and accidental loss of or damage to all property owned by any named insured and all property in any named insured's care, custody and control arising out of the acts or omissions of the contractor named on the Declarations."

In lieu of providing a Railroad Protective Liability Policy, for a period of one (1) year from the Effective Date, Licensee may participate in Licensor's Blanket Railroad Protective Liability Insurance Policy available to Licensee or its contractor. The limits of coverage are the same as above. The cost is $1,150.

☑ I **elect** to participate in Licensor's Blanket Policy;

☐ I **elect not** to participate in Licensor's Blanket Policy.

15.5 Intentionally deleted.

15.6 Other Requirements:

15.6.1 Where allowable by law, all policies (applying to coverage listed above) shall contain no exclusion for punitive damages.

15.6.2 Licensee agrees to waive its right of recovery against Licensor for all claims and suits against Licensor. In addition, Licensee's insurers, through the terms of the policy or a policy endorsement,

must waive their right of subrogation against Licensor for all claims and suits, and the certificate of insurance must reflect the waiver of subrogation endorsement. Licensee further waives its right of recovery, and its insurers must also waive their right of subrogation against Licensor for loss of Licensee's owned or leased property, or property under Licensee's care, custody, or control.

15.6.3 Licensee is not allowed to self-insure without the prior written consent of Licensor. If granted by Licensor, any self-insured retention or other financial responsibility for claims shall be covered directly by Licensee in lieu of insurance. Any and all Licensor liabilities that would otherwise, in accordance with the provisions of this License, be covered by Licensee's insurance will be covered as if Licensee elected not to include a self-insured retention or other financial responsibility for claims.

15.6.4 Prior to entering the Premises, Licensee shall furnish to Licensor an acceptable certificate(s) of insurance including an original signature of the authorized representative evidencing the required coverage, endorsements, and amendments. Licensee shall notify Licensor in writing at least 30 days prior to any cancellation, non-renewal, substitution, or material alteration. In the event of a claim or lawsuit involving Licensor arising out of this License, Licensee will make available any required policy covering such claim or lawsuit.

15.6.5 Any insurance policy shall be written by a reputable insurance company acceptable to Licensor or with a current Best's Guide Rating of A- and Class VII or better, and authorized to do business in the state(s) in which the service is to be provided.

15.6.6 If coverage is purchased on a "claims made" basis, Licensee hereby agrees to maintain coverage in force for a minimum of three years after expiration or termination of this License. Annually, Licensee agrees to provide evidence of such coverage as required hereunder.

15.6.7 Licensee represents that this License has been thoroughly reviewed by Licensee's insurance agent(s)/broker(s), who have been instructed by Licensee to procure the insurance coverage required by this License. Allocated Loss Expense shall be in addition to all policy limits for coverages referenced above.

15.6.8 Not more frequently than once every five years, Licensor may reasonably modify the required insurance coverage to reflect then-current risk management practices in the railroad industry and underwriting practices in the insurance industry.

15.6.9 If any portion of the operation is to be subcontracted by Licensee, Licensee shall require that the subcontractor shall provide and maintain insurance coverages as set forth herein, naming Licensor as an additional insured, and shall require that the subcontractor shall release, defend and indemnify Licensor to the same extent and under the same terms and conditions as Licensee is required to release, defend and indemnify Licensor herein.

15.6.10 Failure to provide evidence as required by this **Section 15** shall entitle, but not require, Licensor to terminate this License immediately. Acceptance of a certificate that does not comply with this Section shall not operate as a waiver of Licensee's obligations hereunder.

15.6.11 The fact that insurance (including, without limitation, self-insurance) is obtained by Licensee shall not be deemed to release or diminish the liability of Licensee, including, without limitation, liability under the indemnity provisions of this License. Damages recoverable by Licensor shall not be limited by the amount of the required insurance coverage.

15.6.12 These insurance provisions are intended to be a separate and distinct obligation on the part of the Licensee. Therefore, these provisions shall be enforceable and Licensee shall be bound thereby regardless of whether or not indemnity provisions are determined to be enforceable.

15.6.13 For purposes of this **Section 15**, Licensor shall mean "Burlington Northern Santa Fe, LLC", "BNSF Railway Company" and the subsidiaries, successors, assigns and affiliates of each.

COMPLIANCE WITH LAWS, REGULATIONS, AND ENVIRONMENTAL MATTERS

16. Compliance with Laws, Rules, and Regulations.

16.1 Licensee shall observe and comply with any and all laws, statutes, regulations, ordinances, orders, covenants, restrictions, or decisions of any court of competent jurisdiction ("**Legal Requirements**") relating to the construction, maintenance, and use of the Pipeline and the use of the Premises.

16.2 Prior to entering the Premises, Licensee shall and shall cause its contractor(s) to comply with all of Licensor's applicable safety rules and regulations. Licensee must ensure that each of its employees, contractors, agents or invitees entering upon the Premises completes the safety orientation program at the Website "www.BNSFcontractor.com" (the "**Safety Orientation**") within one year prior to entering upon the Premises. Additionally, Licensee must ensure that each and every employee of Licensee, its contractors, agents and invitees possess a card certifying completion of the Safety Orientation prior to entering upon the Premises. Licensee must renew the Safety Orientation annually.

16.3 Licensee shall obtain on or before the date it or its contractor enters the Premises, any and all additional rights-of way, easements, licenses and other agreements relating to the grant of rights and interests in and/or access to the Premises (collectively, the "**Rights**") and such other rights, licenses, permits, authorizations, and approvals (including without limitation, any necessary local, state, federal or tribal authorizations and environmental permits) that are necessary in order to permit Licensee to construct, maintain, own and operate the Pipeline and otherwise to perform its obligations hereunder in accordance with the terms and conditions hereof.

16.4 Licensee shall either require that the initial stated term of each such Rights be for a period that does not expire, in accordance with its ordinary terms, prior to the last day of the term of this License or, if the initial stated term of any such Right expires in accordance with its ordinary terms on a date earlier than the last day of the term of this License, Licensee shall, at its cost, exercise any renewal rights thereunder, or otherwise acquire such extensions, additions and/or replacements as may be necessary, in order to cause the stated term thereof to be continued until a date that is not earlier than the last day of the term of this License.

16.5 Upon the expiration or termination of any Right that is necessary in order for Licensee to own, operate or use the Pipeline in accordance with the terms and conditions of this License, this License thereby shall automatically expire upon such expiration or termination of the Right.

17. Environmental.

17.1 Licensee shall strictly comply with all federal, state and local environmental Legal Requirements and regulations in its use of the Premises, including, but not limited to, the Resource Conservation and Recovery Act, as amended (RCRA), the Clean Water Act, the Oil Pollution Act, the Hazardous Materials Transportation Act, and CERCLA (collectively referred to as the "**Environmental Laws**"). Licensee shall not maintain a treatment, storage, transfer or disposal facility, or underground storage tank, as defined by Environmental Laws on the Premises. Licensee shall not release or suffer the release of oil or hazardous substances, as defined by Environmental Laws on or about the Premises.

17.2 Licensee covenants that it will not handle or transport "hazardous waste" or "hazardous substances", as "hazardous waste" and "hazardous substances" may now or in the future be defined by any federal, state, or local governmental agency or body through the Pipeline on Licensor's property. Licensee agrees periodically to furnish Licensor with proof, satisfactory to Licensor that Licensee is in compliance with the provisions of this **Section 17.2**.

17.3 Licensee shall give Licensor immediate notice to Licensor's Resource Operations Center at (800) 832-5452 of any known (i) release of hazardous substances on, from, or affecting the Premises, (ii) violation of Environmental Laws, or (iii) inspection or inquiry by governmental authorities charged with enforcing Environmental Laws with respect to Licensee's use of the Premises. Licensee shall use the best efforts to promptly respond to any release on, from, or affecting the Premises. Licensee also shall give Licensor immediate notice of all measures undertaken on behalf of Licensee to investigate, remediate, respond to or otherwise cure such release or violation.

17.4 If Licensor has notice from Licensee or otherwise of a release or violation of Environmental Laws arising in any way with respect to the Pipeline which occurred or may occur during the term of this License, Licensor may require Licensee, at Licensee's sole risk and expense, to take timely measures to investigate, remediate, respond to or otherwise cure such release or violation affecting the Premises or Licensor's right-of-way.

17.5 Licensee shall promptly report to Licensor in writing any conditions or activities upon the Premises known to Licensee which create a risk of harm to persons, property or the environment and shall take whatever action is necessary to prevent injury to persons, property, or the environment arising out of such conditions or activities; provided, however, that Licensee's reporting to Licensor shall not relieve Licensee of any obligation whatsoever imposed on it by this License. Licensee shall promptly respond to Licensor's request for information regarding said conditions or activities.

DISCLAIMER OF WARRANTIES

18. No Warranties.

18.1 **LICENSOR'S DUTIES AND WARRANTIES ARE LIMITED TO THOSE EXPRESSLY STATED IN THIS LICENSE AND SHALL NOT INCLUDE ANY IMPLIED DUTIES OR IMPLIED WARRANTIES, NOW OR IN THE FUTURE. NO REPRESENTATIONS OR WARRANTIES HAVE BEEN MADE BY LICENSOR OTHER THAN THOSE CONTAINED IN THIS LICENSE. LICENSEE HEREBY WAIVES ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PREMISES OR WHICH MAY EXIST BY OPERATION OF LAW OR IN EQUITY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, HABITABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

18.2 **LICENSOR MAKES NO WARRANTY, REPRESENTATION OR CONDITION OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING (A) THE SCOPE OF THE LICENSE OR OTHER RIGHTS GRANTED HEREUNDER TO LICENSEE OR (B) WHETHER OR NOT LICENSEE'S CONSTRUCTION, MAINTENANCE, OWNERSHIP, USE OR OPERATION OF THE PIPELINE WILL VIOLATE OR INFRINGE UPON THE RIGHTS, INTERESTS AND ESTATES OF THIRD PARTIES, INCLUDING, WITHOUT LIMITATION, ANY LEASES, USE RIGHTS, EASEMENTS AND LIENS OF ANY THIRD PARTY.**

19. Disclaimer of Warranty for Quiet Enjoyment. **LICENSOR DOES NOT WARRANT ITS TITLE TO THE PREMISES NOR UNDERTAKE TO DEFEND LICENSEE IN THE PEACEABLE POSSESSION OR USE THEREOF. NO COVENANT OF QUIET ENJOYMENT IS MADE.**

20. Eviction at Risk of Licensee. In case of the eviction of Licensee by anyone owning, claiming title to, or claiming any interest in the Premises, or by the abandonment by Licensor of the affected rail corridor, Licensor shall not be liable (i) to refund Licensee any compensation paid hereunder, except for the pro-rata part of any recurring charge paid in advance, or (ii) for any damage Licensee sustains in connection with the eviction.

LIENS AND TAXES

21. Liens and Charges. Licensee shall promptly pay and discharge any and all liens arising out of any construction, alterations or repairs done, suffered or permitted to be done by Licensee on Premises. Licensor is hereby authorized to post any notices or take any other action upon or with respect to Premises that is or may be permitted by law to prevent the attachment of any such liens to Premises; provided, however, that failure of Licensor to take any such action shall not relieve Licensee of any obligation or liability under this **Section 21** or any other Section of this License.

22. Taxes. Licensee shall pay when due any taxes, assessments or other charges (collectively, "**Taxes**") levied or assessed by any governmental or quasi-governmental body upon the Pipeline or any other improvements constructed or installed on the Premises by or for Licensee (collectively, the "**Improvements**") or any Taxes levied or assessed against Licensor or the Premises that are attributable to the Improvements.

DEFAULT, TERMINATION, AND SURRENDER

23. Default and Termination. In addition to and not in limitation of Licensor's right to terminate for failure to provide evidence of insurance as required pursuant to the terms of **Section 15**, the following events are also deemed to be events of default pursuant to which Licensor has the right to terminate as set forth below:

23.1 If default shall be made in any of Licensee's covenants, agreements, or obligations contained in this License and Licensee fails to cure said default within thirty (30) days after written notice is provided to Licensee by Licensor, or in case of any assignment or transfer of this License in violation of **Section 26** below, Licensor may, at its option, terminate this License by serving five (5) days' notice in writing upon Licensee. Notwithstanding the foregoing, Licensor shall have the right to terminate this License immediately if Licensee fails to provide evidence of insurance as required in **Section 15**.

23.2 Should Licensee not comply fully with the obligations of **Section 17** regarding the handling or transporting of hazardous waste or hazardous material, notwithstanding anything contained in any other provision of this License, Licensor may, at its option, terminate this License by serving five (5) days' notice of termination upon Licensee.

23.3 Any waiver by Licensor of any default or defaults shall not constitute a waiver of the right to terminate this License for any subsequent default or defaults, nor shall any such waiver in any way affect Licensor's ability to enforce any Section of this License. The remedy set forth in this **Section 23** shall be in addition to, and not in limitation of, any other remedies that Licensor may have at law or in equity.

23.4 In addition to and not in limitation of Licensor's rights to terminate this License for failure to provide evidence of insurance or occurrence of defaults as described above, this License may be terminated by either party, at any time, by serving thirty (30) days' written notice of termination upon the other party. Such termination shall not release either party hereto from any liability or obligation under the License, whether of indemnity or otherwise, resulting from any acts, omissions or events happening prior to the date of termination or thereafter in case by the terms of the License it is provided that anything shall or may be done after termination hereof.

24. Surrender of the Premises.

24.1 On or before expiration or termination of this License for any reason, Licensee shall, at its sole cost and expense:

24.1.1 if so directed by Licensor in writing, remove the Improvements, the Pipeline and all appurtenances thereto, or, at the sole discretion of Licensor, fill and cap or otherwise appropriately decommission the Pipeline with a method satisfactory to Licensor;

24.1.2 report and restore any damage to the Premises or Licensor's other property arising from, growing out of, or connected with Licensee's use of the Premises;

24.1.3 remedy any unsafe conditions on the Premises created or aggravated by Licensee; and

24.1.4 leave the Premises in substantially the condition which existed as of the Effective Date.

24.2 Upon any expiration or termination of this License, if Licensee fails to surrender the Premises to Licensor or if Licensee fails to complete its obligations under **Section 24.1** above (the "**Restoration Obligations**"), Licensee shall have a limited license to enter upon the Premises solely to the extent necessary for Licensee to complete the Restoration Obligations, and all liabilities and obligations of Licensee hereunder shall continue in effect until the Premises are surrendered and the Restoration Obligations are completed. Neither termination nor expiration shall release Licensee from any liability or obligation under this License, whether of indemnity or otherwise, resulting from any acts, omissions or events happening prior to the date of termination, or, if later, the date when Licensee surrenders the Premises and all of the Restoration Obligations are completed.

24.3 If Licensee fails to complete the Restoration Obligations within thirty (30) days after the date of such termination of its tenancy, then Licensor may, at its election, either: (i) remove the Pipeline and the other Improvements or otherwise restore the Premises, and in such event Licensee shall, within thirty (30) days after receipt of bill therefor, reimburse Licensor for cost incurred, (ii) upon written notice to Licensee, take

and hold the Pipeline and the other Improvements and personal property as its sole property, without payment or obligation to Licensee therefor, or (iii) specifically enforce Licensee's obligation to restore and/or pursue any remedy at law or in equity against Licensee for failure to so restore. Further, if Licensor has consented to the Pipeline and the other Improvements remaining on the Premises following termination, Licensee shall, upon request by Licensor, provide a bill of sale in a form acceptable to Licensor conveying the Pipeline and the other Improvements to Licensor.

MISCELLANEOUS

25. Successors and Assigns. All provisions contained in this License shall be binding upon, inure to the benefit of, and be enforceable by the respective successors and assigns of Licensor and Licensee to the same extent as if each such successor and assign was named a party to this License.

26. Assignment.

26.1 Licensee may not sell, assign, transfer, or hypothecate this License or any right, obligation, or interest herein (either voluntarily or by operation of law, merger, or otherwise) without the prior written consent of Licensor, which consent may not be unreasonably withheld or delayed by Licensor. Any attempted assignment by Licensee in violation of this **Section 26** shall be a breach of this License and, in addition, shall be voidable by Licensor in its sole and absolute discretion.

26.2 For purposes of this **Section 26**, the word "assign" shall include without limitation (a) any sale of the equity interests of Licensee following which the equity interest holders of Licensee immediately prior to such sale own, directly or indirectly, less than 50% of the combined voting power of the outstanding voting equity interests of Licensee, (b) any sale of all or substantially all of the assets of (i) Licensee and (ii) to the extent such entities exist, Licensee's parent and subsidiaries, taken as a whole, or (c) any reorganization, recapitalization, merger or consolidation involving Licensee. Notwithstanding the foregoing, any reorganization, recapitalization, merger or consolidation following which the equity interest holders of Licensee immediately prior to such reorganization, recapitalization, merger or consolidation own, directly or indirectly, at least 50% of the combined voting power of the outstanding voting equity interests of Licensee or any successor thereto or the entity resulting from such reorganization, recapitalization, merger or consolidation shall not be deemed an assignment. THIS LICENSE SHALL NOT RUN WITH THE LAND WITHOUT THE EXPRESS WRITTEN CONSENT OF LICENSOR, SUCH CONSENT TO BE IN LICENSOR'S SOLE DISCRETION.

26.3 Notwithstanding the provisions of **Section 26.1** above or anything contained in this License to the contrary, if Licensee sells, assigns, transfers, or hypothecates this License or any interest herein in contravention of the provisions of this License (a "**Purported Assignment**") to another party (a "**Purported Transferee**"), the Purported Transferee's enjoyment of the rights and privileges granted under this License shall be deemed to be the Purported Transferee's agreement to be bound by all of the terms and provisions of this License, including but not limited to the obligation to comply with the provisions of **Section 15** above concerning insurance requirements. In addition to and not in limitation of the foregoing, Licensee, for itself, its successors and assigns, shall indemnify, defend and hold harmless Licensor for all Liabilities of any nature, kind or description of any person or entity directly or indirectly arising out of, resulting from or related to (in whole or in part) a Purported Assignment.

26.4 The provisions of this **Section 26** shall survive the expiration or earlier termination of this License.

27. Notices. Any notice, invoice, or other writing required or permitted to be given hereunder by one party to the other shall be in writing and the same shall be given and shall be deemed to have been served and given if (i) placed in the United States mail, certified, return receipt requested, or (ii) deposited into the custody of a nationally recognized overnight delivery service, addressed to the party to be notified at the address for such party specified below, or to such other address as the party to be notified may designate by giving the other party no less than thirty (30) days' advance written notice of such change in address.

If to Licensor: Jones Lang LaSalle Brokerage, Inc.
4200 Buckingham Road, Suite 110
Fort Worth, TX 76155
Attn: Permits/Licenses

with a copy to: BNSF Railway Company
2301 Lou Menk Drive GOB-3W
Fort Worth, TX 76131
Attn: Senior Manager Real Estate

If to Licensee: City of Joplin, MO
602 S. Main Street
Joplin, MO 64801

28. Survival. Neither termination nor expiration will release either party from any liability or obligation under this License, whether of indemnity or otherwise, resulting from any acts, omissions or events happening prior to the date of termination or expiration, or, if later, the date when the Pipeline and the other Improvements are removed and the Premises are restored to its condition as of the Effective Date.

29. Recordation. It is understood and agreed that this License shall not be placed or allowed to be placed on public record.

30. Applicable Law. All questions concerning the interpretation or application of provisions of this License shall be decided according to the substantive laws of the State of Texas without regard to conflicts of law provisions.

31. Severability. To the maximum extent possible, each provision of this License shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this License shall be prohibited by, or held to be invalid under, applicable law, such provision shall be ineffective solely to the extent of such prohibition or invalidity, and this shall not invalidate the remainder of such provision or any other provision of this License.

32. Integration. This License is the full and complete agreement between Licensor and Licensee with respect to all matters relating to Licensee's use of the Premises, and supersedes any and all other agreements between the parties hereto relating to Licensee's use of the Premises as described herein. However, nothing herein is intended to terminate any surviving obligation of Licensee or Licensee's obligation to defend and hold Licensor harmless in any prior written agreement between the parties.

33. Joint and Several Liability. If Licensee consists of two or more parties, all the covenants and agreements of Licensee herein contained shall be the joint and several covenants and agreements of such parties.

34. Waiver. The waiver by Licensor of the breach of any provision herein by Licensee shall in no way impair the right of Licensor to enforce that provision for any subsequent breach thereof.

35. Interpretation.

35.1 This License shall be interpreted in a neutral manner, and not more strongly for or against any party based upon the source of the draftsmanship; both parties hereby agree that this License shall not be subject to the principle that a contract would be construed against the party which drafted the same. Article titles, headings to sections and paragraphs and the table of contents (if any) are inserted for convenience of reference only and are not intended to be a part or to affect the meaning or interpretation hereof. The exhibit or exhibits referred to herein shall be construed with and as an integral part of this License to the same extent as if they were set forth verbatim herein.

35.2 As used herein, "include", "includes" and "including" are deemed to be followed by "without limitation" whether or not they are in fact followed by such words or words of like import; "writing", "written" and comparable terms refer to printing, typing, lithography and other means of reproducing words in a visible form; references to any person are also to that person's successors and permitted assigns; "hereof", "herein", "hereunder" and comparable terms refer to the entirety hereof and not to any particular article, section, or other subdivision hereof or attachment hereto; references to any gender include references to the masculine or feminine as the context requires; references to the plural include the singular and vice

versa; and references to this License or other documents are as amended, modified or supplemented from time to time.

36. Counterparts. This License may be executed in multiple counterparts, each of which shall, for all purposes, be deemed an original but which together shall constitute one and the same instrument, and the signature pages from any counterpart may be appended to any other counterpart to assemble fully executed documents, and counterparts of this License may also be exchanged via email or electronic facsimile machines and any email or electronic facsimile of any party's signature shall be deemed to be an original signature for all purposes.

37. Licensor's Representative. Jones Lang LaSalle Brokerage, Inc. is acting as representative for BNSF Railway Company.

END OF PAGE – SIGNATURE PAGE FOLLOWS

This License has been duly executed by the parties hereto as of the date below each party's signature; to be effective, however, as of the Effective Date.

LICENSOR:

BNSF RAILWAY COMPANY, a Delaware corporation

By: Jones Lang LaSalle Brokerage, Inc.
4200 Buckingham Road, Suite 110
Fort Worth, TX 76155

By: Shane Krueger

Shane Krueger
Vice President

Title:

Date: 6/14/17

LICENSEE:

CITY OF JOPLIN, MO a Missouri corporation,

602 S. Main Street
Joplin, MO 64801

By:

Title: City Manager

Date: 5/16/2017

COORDINATE SYSTEM: MO W

TRACKING NO. 17-57502

MAP REF. r77795

EXHIBIT "A"

ATTACHED TO CONTRACT BETWEEN

BNSF RAILWAY COMPANY

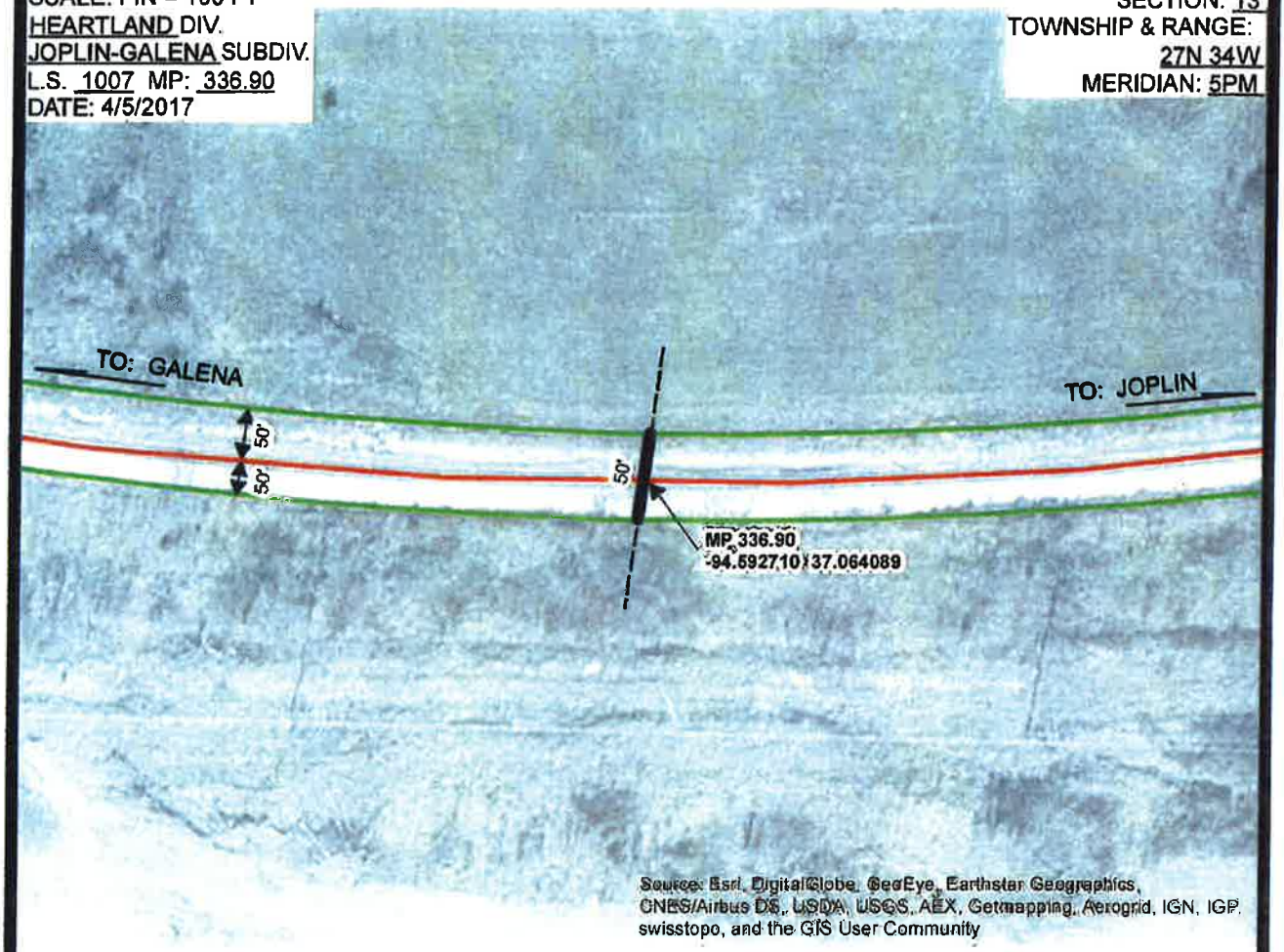
AND

CITY OF JOPLIN, MO

N

SCALE:1 IN = 100 FT
HEARTLAND DIV.
JOPLIN-GALENA SUBDIV.
L.S. 1007 MP: 336.90
DATE: 4/5/2017

SECTION: 13
TOWNSHIP & RANGE: 27N 34W
MERIDIAN: 5PM



DESCRIPTION OF PIPELINE
PIPELINE SHOWN BOLD

	CARRIER PIPE	CASING PIPE
SIZE:	18", 8", 6"	42"
CONTENTS:	SANITARY SEWER WASTEWATER	
PIPE MATERIAL:	DUCTILE IRON	STEEL
SPECIFICATIONS / GRADE:	PRESSURE CLASS 350	ASTM A139, GRADE A
WALL THICKNESS:	0.36", 0.25", 0.25"	0.542"
COATING:	-	-

	CARRIER PIPE	CASING PIPE
LENGTH ON R/W:	50'	50'
WORKING PRESSURE:	0 PSI, 0 PSI, 80 PSI	
BURY: BASE/RAIL TO TOP OF CASING		15.1'
BURY: NATURAL GROUND		8.7'
BURY: ROADWAY DITCHES		8.7'
CATHODIC PROTECTION		-

VENTS: NUMBER - SIZE - HEIGHT OF VENT ABOVE GROUND -
NOTE: CASING TO BE JACKED OR DRY BORED ONLY

NEAR JOPLIN
COUNTY OF JASPER

STATE OF MO

XLR

DRAWING NO. 69442

JOB SPECIAL PROVISION JSP-0400-05
SOUTHERN STAR CENTRAL GAS PIPELINE ENCROACHMENT AGREEMENT
(Addendum No. 1)

1.0 SCOPE

This work shall include all measures necessary to comply with the attached ENCROACHMENT AGREEMENT, as applicable to the construction of the improvements included in these Contract Documents.

2.0 MEASUREMENT

No measurement will be made for this JSP.

3.0 PAYMENT

No payment will be made for this JSP.

STATE OF MISSOURI Tract: 36624

COUNTY OF JASPER Line: FP-01

ENCROACHMENT AGREEMENT

THIS AGREEMENT, entered into by and between SOUTHERN STAR CENTRAL GAS PIPELINE, INC., (formerly Williams Gas Pipeline Central, Inc., Williams Natural Gas Company, Northwest Central Pipeline Corporation and Cities Service Gas Company), a Delaware corporation, whose mailing address is 4700 Highway 56, PO Box 20010 Owensboro, Kentucky 42304, hereinafter referred to as "**Company**", and THE CITY OF JOPLIN, MISSOURI whose mailing address is 602 South Main Street, Joplin, Missouri 64801, hereinafter referred to as "**City**".

WHEREAS, Company is the owner of one (1) sixteen inch (16") natural gas pipeline and easement therefore across the following land to wit:

> All of Section Thirteen (13) and the East Half (E ½) of Section fourteen (14), Township Twenty-Seven (27) North, Range Thirty-four (34) West, Jasper County, Missouri.

By virtue of a certain valid and subsisting Right of Way contract granted by Carl M. and Grace M. Elkan to Cities Service Gas Company dated August 1, 1994, recorded in Book 1470, Page 1024 at the Recorder of Deeds Office, Jasper County, Missouri.

WHEREAS, City is in possession of an easement contained within the referenced pipeline easement above,

WHEREAS, City has requested **Company's** permission to encroach on a portion of Company's easements by construction of a forty-two inch (42") diameter steel casing pipe with an eighteen inch (18") Ductile Iron Pipe Gravity Sewer Line (Line A) along with a six inch (6") Ductile Iron Pipe Force Main Sewer Line (Line B) and an eight inch (8") Ductile Iron Pipe (Future Line) contained within the forty-two inch (42") casing pipe on and across Company's pipeline easement as shown on the "City of Joplin, Missouri Wildwood Ranch Business Park Sewer Infrastructure" plans, sheet numbers 20D803 & 20D807 as prepared by HDR Inc., with an address of 8404 Indian Hills Drive, Omaha, NE 68114 and dated 3/29/17, which is attached

hereto and made a part hereof and shown on **Exhibit A**, and

WHEREAS, under the terms of this agreement, Company is willing to permit said encroachment and,

NOW, THEREFORE, in consideration of the premises and the mutual promises of the parties, **Company** and **City** agree as follows:

1. **Company** is willing to accommodate the encroachment of the forty-two inch (42") diameter steel casing pipe with an eighteen inch (18") Ductile Iron Pipe Gravity Sewer Line (Line A) along with a six inch (6") Ductile Iron Pipe Force Main Sewer Line (Line B) and an eight inch (8") Ductile Iron Pipe (Future Line) contained within the forty-two inch (42") casing pipe. The forty-two inch (42") diameter steel casing pipe will be at a minimum of two feet (2') below Company's pipeline and will cross the easement at an approximate angle of eight-eight degrees (88°) degrees (+/- five degrees 5°).

2. **City** acknowledges that the **Company's** natural gas pipelines are cathodically protected and hereby relieves **Company** of any liability for damage to the proposed encroachments due to said cathodic protection because of migration concerns including without limitation, interference issues. **City**, agrees to pay for any and all remediation costs to eliminate any interference issues that the proposed encroachments may have on **Company's** pipelines and cathodic protection systems.

3. No deep rooted trees shall be allowed in **Company's** easement.

4. **City** agrees to inform **Company** at least 72 hours in advance of construction of said encroachments by contacting the Company's Joplin, Missouri Office at (417) 626-3400. **City** agrees to inform **Company** of any excavation activities crossing or near the Company's natural gas pipelines, at least 72 hours in advance by contacting the Missouri One-Call System at 811, unless an emergency repair is required, in which case **City** shall place an emergency locate.

5. **City** will restrict equipment traffic over said pipeline to designated areas that have undergone a wheel load study conducted and approved by **Company**. In order for that study to be conducted, **City** agrees to submit to **Company** a comprehensive list of equipment to be used on the easement.

6. In the event that during the exercise of its easement rights to construct, maintain and operate the pipeline and appurtenances, **Company** or its contractors destroy or damage

the encroachments herein permitted, all such damages to said permitted encroachments shall be the sole responsibility of the **City**, unless **Company** is solely negligent in such action.

7. **City** agrees to indemnify, save and hold **Company**, its parent and affiliates, and the employees, officers, directors and agents thereof, harmless from and against any loss, cost or expense incurred by **Company**, including without limitation losses resulting from claims for damages to property or injuries to or deaths of persons, judgments, court costs and attorneys' fees which arise out of, or are claimed to have arisen out of the construction, maintenance or other operations of **City**, their contractors and subcontractors, on the **Company** easement, unless such loss, cost or expense is directly caused by the sole negligence of **Company**, its contractors and/or subcontractors.

8. All work on the easement shall be performed in a workman like manner and in compliance with applicable rules, laws and regulations.

9. Prior to commencement of construction of the above reference work, **City** shall provide **Company** a statement of self-insurance.

10. The terms of this agreement shall constitute covenants running with the land and will be binding upon and inure to the benefit of the parties hereto, or their successors and assigns.

[Remainder of page intentionally left blank; signature page to follow]

IN WITNESS WHEREOF, we hereunto set our hands and seals on the day and year indicated below our signatures.

COMPANY:

SOUTHERN STAR CENTRAL GAS PIPELINE, INC.

Robert S. Bahnick, Vice-President and
Chief Operations Officer

Date: 5/12/17

City:

The City of Joplin

Name: David Hertzberg
Title: Public Works Director

Date: 5/1/2017

CORPORATE ACKNOWLEDGEMENT

STATE OF KENTUCKY

COUNTY OF DAVIESS

Before me, the undersigned, a Notary Public duly commissioned in and for the county and state aforesaid, on this 12 day of May, 2017, personally appeared Robert S. Bahnick, who being by me duly sworn, did say that he is the Vice President and Chief Operations Officer of Southern Star Central Gas Pipeline, Inc., a corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and said Robert S. Bahnick acknowledged said instrument to be the free act and deed of said corporation.

In testimony whereof, I have hereunto set my hand and affixed my official seal at my office in said county and state the day and year last above written.

Robin L. Carlisle
Notary Public

ROBIN L. CARLISLE
Notary Public
State at Large, Kentucky
Certificate ID 542417
My Appt Expires: September 21, 2019

My Commission Expires September 21, 2019.

STATE OF MISSOURI)
)ss
COUNTY OF JASPER)

Before me, the undersigned, a Notary Public duly commissioned in and for the county and state aforesaid, on this 1st day of May, 2017, personally appeared David K. Hertzberg, who being by me duly sworn, did say he is the Public Works Director of the City of Joplin, Missouri, a corporation, and that said instrument was signed on behalf of said corporation by authority of its governing council, and said he acknowledged said instrument to be the free act and deed of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my official seal the day and year last above written.

Lindsay J. Dunn, Notary Public

My Commission Expires: 6-29-2020



SOUTHERN STAR
CENTRAL GAS PIPELINE

EXHIBIT A

Encroachment Assessment

Line Letter	FP-001
Name / Description	City of Joplin, Missouri Wildwood Ranch Business Park Sewer Infrastructure EDA No. 05-79-05345
County and State	Jasper County, Missouri
Project Engineer	Mike DeGraeve
Date	March 31, 2017

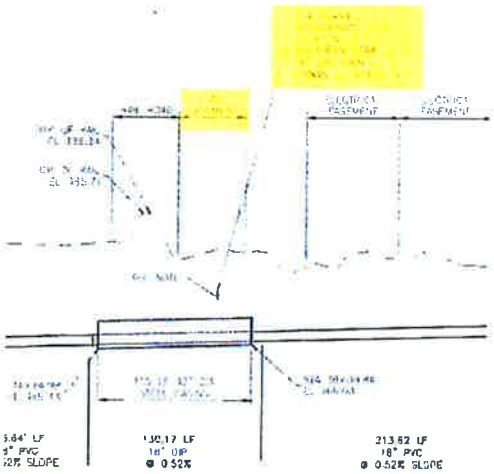
Southern Star Right-of-Way

50 Ft. Defined Easement

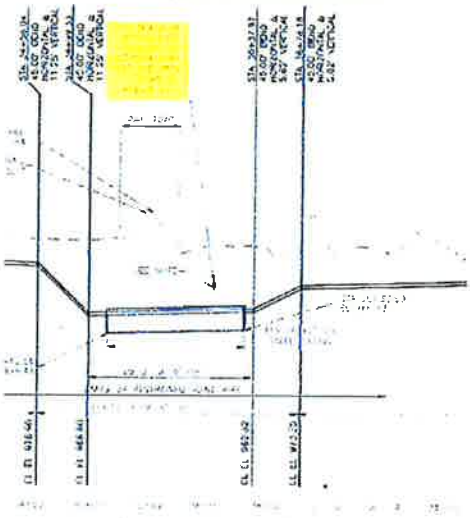
Encroachments

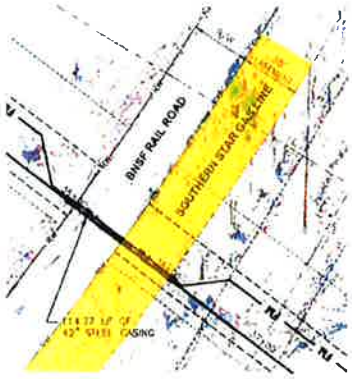
The City of Joplin will be installing a 42" diameter steel casing pipe across Southern Star's easement. Inside the steel casing pipe will be an 18" Ductile Iron Pipe Gravity Sewer Line (Line A) along with 6" Ductile Iron Pipe Force Main Sewer Line (Line B) inside a 8" Ductile Iron Casing Pipe. The 42" diameter steel casing pipe will be at least 2 ft. below Southern Star's pipeline and will cross the easement at an approximate angle of 88 degrees (+/- 5 degrees). Need to include cathodic protection and temporary equipment crossing language in the encroachment agreement.

LINE A - GRAVITY SEWER



LINE B - FORCE MAIN





GENERAL NOTES:

1. CONSTRUCTION OF THE IMPROVEMENTS SHOWN OR IMPLIED BY THIS SET OF PLANS SHALL NOT BE INITIATED OR ANY PART THEREOF UNDERTAKEN UNTIL THE CITY OF JOPLIN (CITY) IS NOTIFIED OF SUCH INTENT AND ALL REQUIRED AND PROPERLY EXECUTED BONDS AND CONTRACT AGREEMENTS ARE RECEIVED AND APPROVED BY SAME.

2. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS AND ONE (1) COPY OF THE APPROPRIATE CONSTRUCTION SPECIFICATIONS AND PROJECT MANUAL AT THE JOB SITE AT ALL TIMES. IT IS ADVISABLE THAT THE CONTRACTOR BECOME FAMILIAR WITH THE CITY REQUIREMENTS AND STANDARDS IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THIS APPROVED PLAN AND THE CITY REQUIREMENTS. ADVISE THE CITY REPRESENTATIVE OF ANY DISCREPANCY PRIOR TO BIDDING OR WORKING ON THIS PROJECT.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS, PAYING ALL FEES AND FOR OTHERWISE COMPLYING WITH ALL APPLICABLE REGULATIONS GOVERNING THE WORK.

4. THE ACCURACY AND ADEQUACY OF THE ALIGNMENTS, DIMENSIONS, AND ELEVATIONS SHALL BE CONFIRMED BY THE CONTRACTOR AT THE JOB SITE. IF THE CONTRACTOR FINDS ANY DIMENSIONS TO BE IN ERROR OR IN QUESTION, THE CITY REPRESENTATIVE SHALL BE PROMPTLY CONTACTED FOR CLARIFICATION PRIOR TO THE CONTINUATION OF THE WORK. THE ENGINEERING AND GEOLOGICAL DATA SHOWN ON THESE PLANS ARE FROM STUDIES MADE IN THE FIELD AND REPRESENTS THE BEST INFORMATION AVAILABLE AT THE TIME OF TESTING.

5. NOTIFY THE CITY REPRESENTATIVE AT LEAST 48 HOURS PRIOR TO BEGINNING ANY WORK. FOR CONSTRUCTION UNDER DRIVEWAYS AND STREETS, CONTRACTOR SHALL NOTIFY RESIDENTS OF CONSTRUCTION ACTIVITIES WELL IN ADVANCE OF THE WORK, AND SHALL PROVIDE AND MAINTAIN A TEMPORARY SURFACE FOR ACCESS UNTIL PERMANENT RESTORATION IS COMPLETED.

6. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT PROPER TRAFFIC CONTROL IN CONFORMANCE WITH THE LATEST REVISION OF THE MUTCD.

7. DURING CONSTRUCTION, ACCESS SHALL BE MAINTAINED FOR EMERGENCY VEHICLES AND LOCAL TRAFFIC. THE FIRE, POLICE AND AMBULANCE DEPARTMENTS, SCHOOLS, SCHOOL BUS COMPANIES, AND POST OFFICE ARE TO BE NOTIFIED 48 HOURS PRIOR TO ANY STREET CLOSURES OR BLOCKAGES. CLOSURES AND TRAFFIC PLANS ARE SUBJECT TO APPROVAL OF THE CITY REPRESENTATIVE.

8. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE UTILITY COMPANIES WHICH HAVE FACILITIES IN THE VICINITY PER JSP-0400-01, SECTION 2.0. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES, WHETHER SHOWN ON THESE PLANS OR NOT, PRIOR TO ANY EXCAVATION. ALL EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE TAKEN FROM UTILITY COMPANY RECORDS AND ARE APPROXIMATE ONLY. SOME SERVICE LINES FROM BUILDING TO MAIN HAVE UNKNOWN LOCATIONS AND MAY CONFLICT WITH THE PLAN. RELOCATION OF SAID SERVICE LINES REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE COORDINATED WITH THE UTILITY COMPANY. RELOCATION OF UTILITIES WILL BE PERFORMED ONLY BY THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR, PRIOR TO CONSTRUCTION, SHALL VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES. THE REPAIR OF ANY DAMAGE TO SAID UTILITIES SHALL BE AT THE COST TO THE CONTRACTOR. ANY UTILITIES FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER AND ENGINEER.

9. ALL UTILITY AND SANITARY SERVICE LINES SHALL BE KEPT IN SERVICE AND PROTECTED DURING CONSTRUCTION OPERATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL EXISTING SERVICE LINES, AND NOTIFY THE CITY REPRESENTATIVE OF ANY CONFLICTS IMMEDIATELY. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

10. CONTRACTOR SHALL POTHOLE ALL WATER MAINS WHERE THERE MAY BE CONFLICTS AND WILL PROVIDE THE CITY THE FIELD NOTES WITH ELEVATIONS OF WATER MAINS.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING THE WATER MAIN HORIZONTALLY AND VERTICALLY WHEN CROSSING UNDER THE EXISTING WATER MAIN.

12. CONTRACTOR MUST COORDINATE THE BRACING OF ALL UTILITY POLES WITH THE ELECTRIC COMPANY PRIOR TO ANY EXCAVATION WITHIN 10 FEET OF A POLE.

13. ALL SIGNS, MAILBOXES, AND LANDSCAPING IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND RESET. TEMPORARY FENCING SHALL BE INSTALLED AT LOCATIONS WHERE EXISTING PERMANENT FENCING EXISTS; LOCATION SHALL BE DETERMINED IN THE FIELD. THESE ITEMS ARE SUBSIDIARY TO OTHER BID ITEMS.

14. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SITE EROSION CONTROL IN ACCORDANCE WITH THE CRITERIA SET FORTH BY THE STATE OF MISSOURI, AND THE CITY AND/OR AS NOTED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL KEEP ONE (1) COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON SITE PER MISSOURI DEPARTMENT OF NATURAL RESOURCES (MDNR) REQUIREMENTS.TEMPORARY EROSION CONTROL SHALL BE INSTALLED PER THE SPECIFICATIONS, OR AS WARRANTED AND DETERMINED IN THE FIELD BY THE CITY REPRESENTATIVE. PAYMENT IS SUBSIDIARY TO OTHER ITEMS. EROSION CONTROLS MUST BE IN PLACE PRIOR TO ANY SITE WORK AND MUST BE MAINTAINED CONTINUOUSLY THROUGHOUT THE PROJECT.

15. CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS THERE FROM SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS, CODES, AND ORDINANCES. OPEN BURNING OF DEBRIS SHALL NOT BE PERMITTED.

16. DRIVEWAYS, SIDEWALK, AND OTHER AREAS INSIDE AND OUTSIDE THE CONSTRUCTION LIMITS DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT EXISTED BEFORE DAMAGE OCCURRED AT THE CONTRACTORS EXPENSE. ALL CATCH BASINS, UTILITY VALVES, HYDRANTS, MANHOLES, METER PITS, ETC. WITHIN GRADING LIMITS SHALL BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED. ALL INLETS SHALL BE GRADED TO DRAIN. NO SEPARATE PAYMENT WILL BE MADE FOR ADJUSTMENTS NOT NOTED IN THE PLAN NOTATION AND CALLOUTS.

17. TREES DAMAGED DURING CONSTRUCTION SHALL BE PRUNED AND WOUNDS PROTECTED AS APPROVED BY THE CITY REPRESENTATIVE.

18. ALL CONTRACTOR STOCKPILING, STAGING AND EMPLOYEE PARKING SHALL BE CONFINED TO THE LOCATIONS SHOWN ON THE PLANS. IF THE CONTRACTOR BELIEVES THAT HE REQUIRES MORE WORKING ROOM THAN IS PROVIDED IN THE PERMANENT EASEMENT OR RIGHT-OF-WAY, THE CONTRACTOR, AT HIS EXPENSE, MAY OBTAIN AGREEMENTS WITH PROPERTY OWNERS FOR ADDITIONAL TEMPORARY ACCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GAINING ANY TEMPORARY ACCESS REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL PROVIDE OWNER AND CITY WITH COPIES OF ANY AGREEMENTS REACHED FOR SAID ACCESS.

19. THE TOP 6" OF ALL FILL SHALL BE TOP SOIL, AND SHALL BE APPROVED BY THE CITY REPRESENTATIVE PRIOR TO SOD OR SEED INSTALLATION. ALL BACK FILL SHALL BE TAMPED AND ORGANIC TOP SOIL PLACED THEREAFTER FOLLOWED BY SEEDING OR SOD AS REQUIRED BY THE SPECIFICATIONS. NO EXTRA PAYMENT WILL BE MADE FOR IMPORTED FILL MATERIAL REQUIRED TO CONSTRUCT FILLS TO LINES AND GRADES INDICATED ON THE DRAWINGS.

20. ALL AREAS THAT ARE DISTURBED MUST BE SEEDED THEN FERTILIZED AND MULCHED. THE CONTRACTOR IS RESPONSIBLE FOR SEEDING, FERTILIZING, AND EROSION CONTROL.

21. THE CONTRACTOR SHALL NOT BE ALLOWED TO WORK SUNDAY, HOLIDAYS AND SATURDAY WORK SHALL BE APPROVED BY THE CITY REPRESENTATIVE.

22. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF THE CONSTRUCTION WORKERS AND THE PUBLIC.

23. ALL BENCHMARKS, CONTROL POINTS, PROPERTY MARKERS AND RIGHT-OF-WAY MONUMENTS DISTURBED OR DESTROYED SHALL BE RESET BY A MISSOURI REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

24. CONTRACTOR SHALL MAINTAIN AT LEAST A TEN FOOT (10') HORIZONTAL SEPARATION OF WATER MAINS FROM ANY EXISTING OR PROPOSED SANITARY FORCE MAIN OR SEWERS. THE DISTANCE MUST BE MEASURED EDGE-TO-EDGE. INSTALLATION OF THE FORCE MAIN OR SEWERS CLOSER TO A WATER MAIN IS ACCEPTABLE WHERE THE FORCE MAIN IS LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE (1) SIDE OF THE WATER MAIN AT AN ELEVATION SO THE BOTTOM OF THE WATER MAIN IS AT LEAST EIGHTEEN INCHES (18") ABOVE THE TOP OF THE SANITARY FORCE MAIN.

25. CONTRACTOR SHALL PROVIDE A MINIMUM VERTICAL DISTANCE OF EIGHTEEN INCHES (18") BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SANITARY FORCE MAIN OR SEWERS WHERE WATER MAINS CROSS SANITARY FORCE MAINS. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SANITARY FORCE MAIN. AT CROSSINGS, ONE (1) FULL LENGTH OF WATER PIPE MUST BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SANITARY FORCE MAIN AS POSSIBLE. SPECIAL STRUCTURAL SUPPORT FOR THE WATER AND SANITARY FORCE MAINS MAY BE REQUIRED.

26. THE FINAL LOCATION OF ALL EROSION CONTROL FENCE SHALL BE DETERMINED BY THE ENGINEER AND OWNER DURING A PROJECT SITE VISIT.

27. CONTAMINATED SOIL ENCOUNTERED ON THE PROJECT SHALL BE MANAGED IN ACCORDANCE WITH JSP-1200-01

B

PIPING TABLE

TYPE	MATERIAL	SIZE (INCHES)	SPECIFICATION	CLASS
GRAVITY SEWER	PVC	8-15	CITY - SECTION 4100	SDR 26
GRAVITY SEWER	PVC	18-24	JSP-4100-01	SDR 26
GRAVITY SEWER	POLYPROPYLENE	18-24	JSP-4100-02	PS 46
GRAVITY SEWER	DIP	8-24	CITY - SECTION 4100	PC 350
GRAVITY SEWER	PVC CLOSED PROFILE	18-24	JSP-4100-03	PS 46
FORCE MAIN	PVC	6	CITY - SECTION 4100	PC 200
FORCE MAIN	DIP	6-8	CITY - SECTION 4100	PC 350

STEEL CASING TABLE

TYPE	MATERIAL	SIZE (INCHES)	SPECIFICATION	THICKNESS (INCHES)
CASING	GRADE B STEEL	42	CITY - SECTION 1600	0.625
CASING	GRADE B STEEL	24	CITY - SECTION 1600	0.250

ADDENDUM NO 1

ISSUE	DATE	DESCRIPTION
A	5-22-2017	ISSUED FOR BID
-	05-8-2017	ISSUED FOR EDA

PROJECT MANAGER	BRYCE BANON
CIVIL	KENTON NEWPORT
ELECTRICAL	KEITH BOYD
PROJECT NUMBER	10041595

STATE OF MISSOURI — BRYCE S BANON — NUMBER E-19567 — REGISTERED PROFESSIONAL ENGINEER

LICENSEE:
BRYCE S BANION
PROJECT MANAGER
MO E-19567

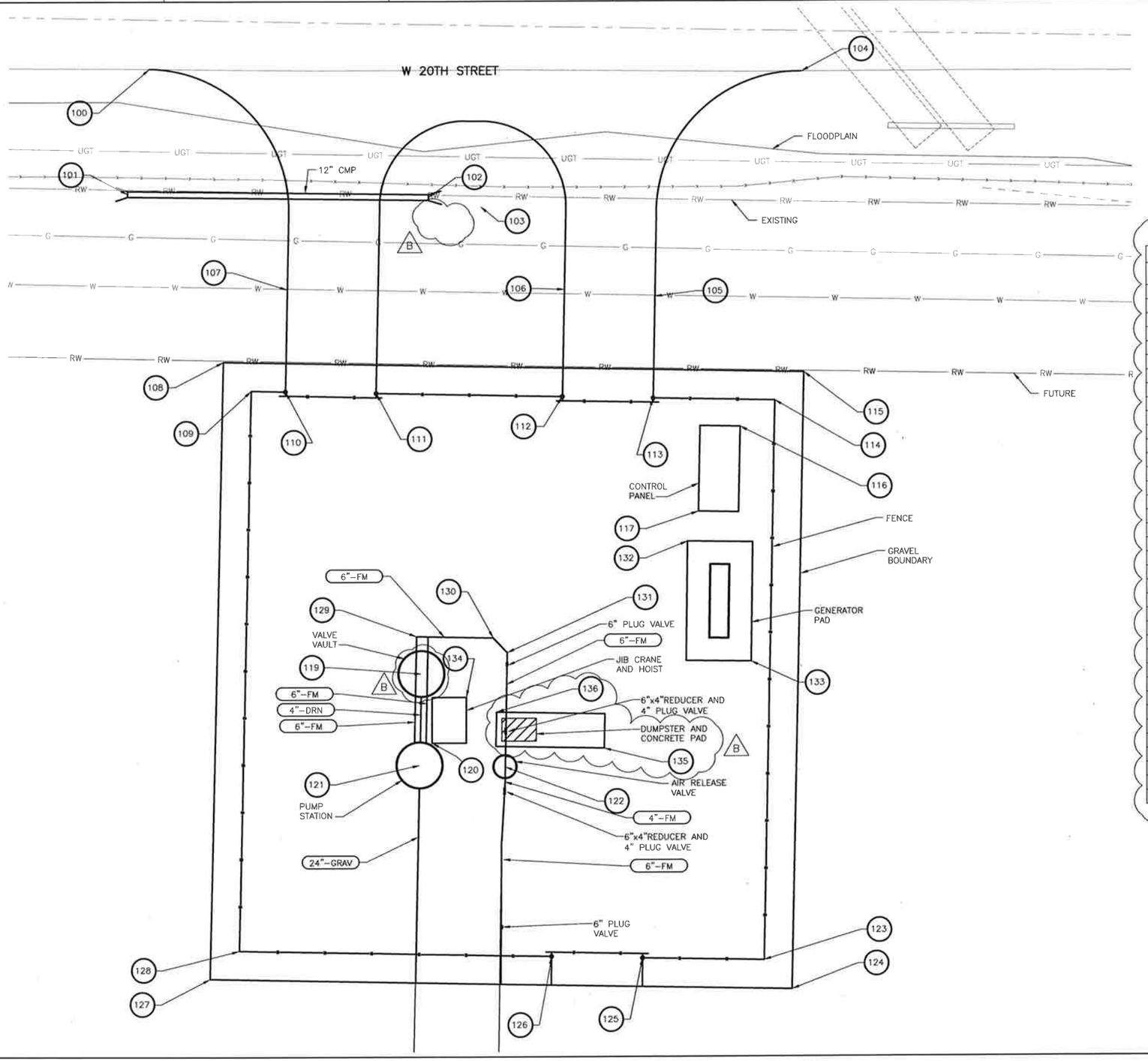
CITY OF JOPLIN, MISSOURI
WILDWOOD RANCH
BUSINESS PARK SEWER INFRASTRUCTURE

GENERAL NOTES

0 1" 2"

FILENAME 00G005
SCALE NONE

SHEET **00G005**



N

B

POINT TABLE FOR SITE ELEMENT LOCATIONS

POINT NO	NORTHING	EASTING	TOP ELEVATION	GROUND ELEVATION	DESCRIPTION
100	329269.44	2759490.03	–	963.32±	MATCH EXISTING PAVEMENT
101	329247.45	2759486.22	–	FL 959.85	CENTER DOWNSTREAM 12" CMP
102	329246.78	2759539.05	–	FL 960.26	CENTER UPSTREAM 12" CMP
103	329245.15	2759548.27	–	960.50	GROUND ELEVATION
104	329268.80	2759604.72	–	964.96±	MATCH EXISTING PAVEMENT
105	329232.92	2759579.02	–	964.00	PT
106	329232.06	2759563.02	–	964.00	PT
107	329233.04	2759514.35	–	964.00	PT
108	329218.02	2759503.06	–	965.20	NW CORNER GRAVEL BOUNDARY
109	329212.92	2759507.96	–	965.20	NW CORNER FENCE
110	329212.80	2759513.96	–	965.20	WEST POST FOR WEST 16' GATE
111	329212.50	2759529.75	–	965.20	EAST POST FOR WEST 16' GATE
112	329211.86	2759562.64	–	965.20	WEST POST FOR EAST 16' GATE
113	329211.56	2759578.61	–	965.20	EAST POST FOR EAST 16' GATE
114	329211.14	2759599.94	–	965.20	NE CORNER FENCE
115	329216.05	2759605.05	–	965.20	NE CORNER GRAVEL BOUNDARY
116	329206.55	2759593.85	965.50	965,20	NE CORNER CONTROL PANEL CONCRETE PAD
117	329191.69	2759586.57	965.50	965.25	SW CORNER CONTROL PANEL CONCRETE PAD
118	–	–	–	–	NOT USED
119	329163.33	2759537.94	966.50	965.80	CENTER VALVE VAULT
120	329151.21	2759539.82	966.50	965.80	SW CORNER JIB CRANE AND HOIST CONCRETE PAD
121	329147.35	2759537.63	966.50	965.80	CENTER PUMP STATION
122	329147.05	2759552.63	966.75	965.80	CENTER AIR RELEASE VAVLE
123	329113.16	2759598.05	–	965.20	SE CORNER FENCE
124	329108.07	2759602.97	–	965.00	SE CORNER GRAVEL BOUNDARY
125	329113.57	2759576.76	–	965.20	EAST POST FOR SOUTH 16' GATE
126	329113.88	2759560.76	–	965.20	WEST POST FOR SOUTH 16' GATE
127	329110.03	2759500.97	–	965.00	SW CORNER GRAVEL BOUNDARY
128	329114.94	2759506.07	–	965.20	SW CORNER FENCE
129	329169.85	2759537.07	–	965.75	6" 90° BEND
130	329169.59	2759550.57	–	965.75	6" 45° BEND
131	329167.04	2759553.02	–	965.75	6" 45° BEND
132	329186.45	2759584.69	965.50	965.25	NW CORNER CONCRETE GENERATOR PAD
133	329165.39	2759595.76	965.50	965.20	SE CORNER CONCRETE GENERATOR PAD
134	329159.21	2759545.82	965.80	960.00	NE CORNER JIB CRANE AND HOIST CONCRETE PAD
135	329150.26	2759570.03	965.60	965.50	CONCRETE PAD FOR TRASH BIM
136	329156.62	2759551.15	965.75	965.75	CONCRETE PAD FOR TRASH BIM

ADDENDUM NO 1

ISSUE	DATE	DESCRIPTION
B	05-14-2017	ADDENDUM NO 1
A	5-22-2017	ISSUED FOR BID
-	05-8-2017	ISSUED FOR EDA

PROJECT MANAGER	BRYCE BANON
CIVIL	KENTON NEWPORT
ELECTRICAL	KEITH BOYD
PROJECT NUMBER	10041595

STATE OF MISSOURI · KENTON LEE NEWPORT · NUMBER PE-2003011898 · PROFESSIONAL ENGINEER · 5-14-2017

LICENSEE:
KENTON NEWPORT
CIVIL
MO PE-2003011898

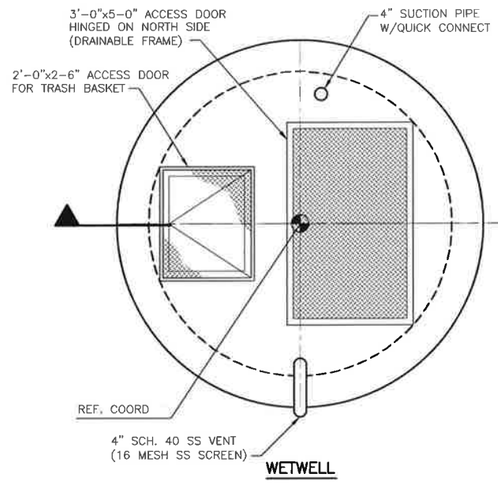
CITY OF JOPLIN, MISSOURI
WILDWOOD RANCH
BUSINESS PARK SEWER INFRASTRUCTURE

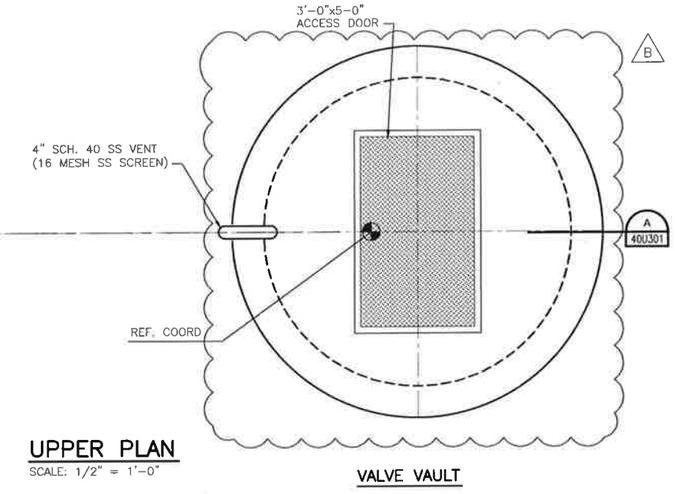
PUMP STATION SITE PIPING PLAN AND COORDINATE TABLE

0 1" 2"

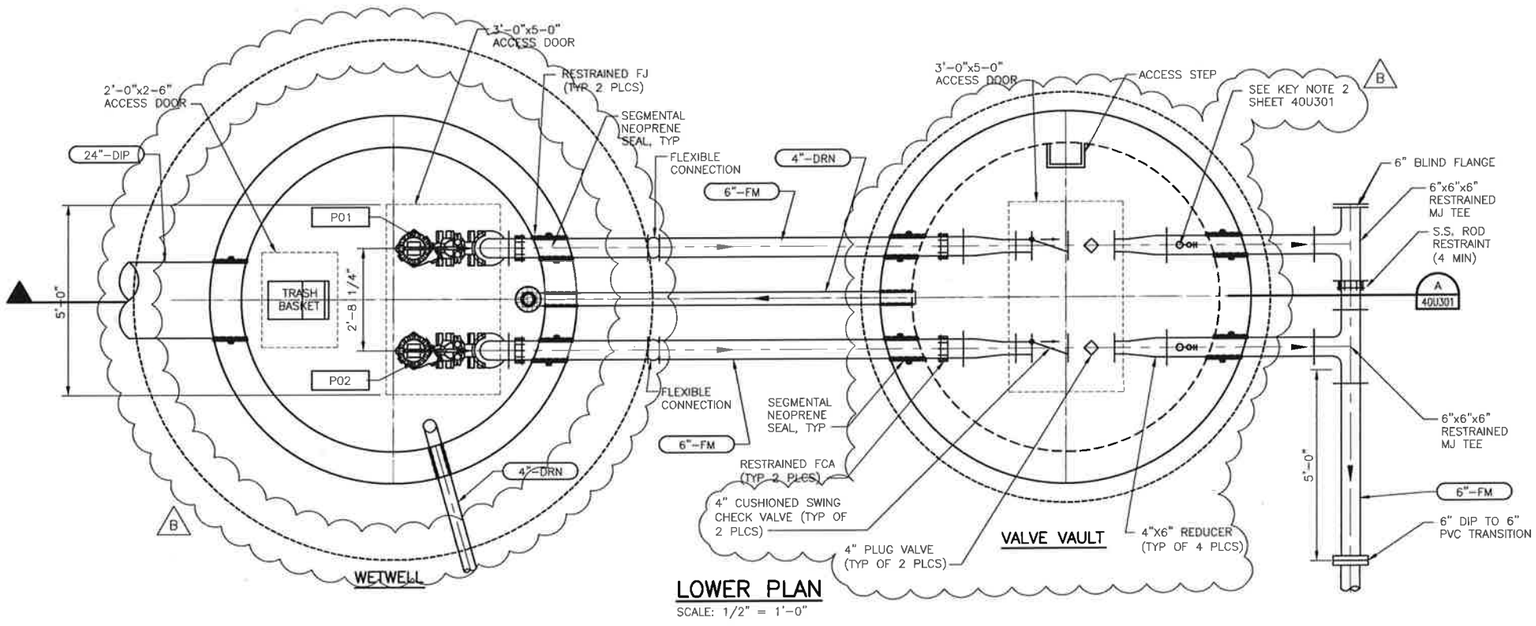
FILENAME 10C102
SCALE 1" = 10'

SHEET 10C102





UPPER PLAN
SCALE: 1/2" = 1'-0"



LOWER PLAN
SCALE: 1/2" = 1'-0"

N

GENERAL NOTES:

1. SEE SPECIFICATIONS FOR WET WELL STANDARD MANHOLE REQUIREMENTS.
2. DETAILS AND DIMENSIONS OF EQUIPMENT INSTALLATION TO BE PROVIDED BY MANUFACTURER SELECTED. CONTRACTOR SHALL OBTAIN AND COORDINATE DIMENSIONS AND MAKE REVISIONS TO STRUCTURE AS REQUIRED. COORDINATE WITH ENGINEER.
3. ALL PIPING WITHIN WET WELLS AND VALVE PITS SHALL BE DUCTILE IRON PIPE. SEE APPLICABLE SITE PLAN FOR TERMINATION POINT IF REQUIRED.
4. PROVIDE MODULAR SEALS FOR ALL WALL PENETRATIONS.

ADDENDUM NO 1

ISSUE	DATE	DESCRIPTION
B	05-14-2017	ADDENDUM NO 1
A	5-22-2017	ISSUED FOR BID
-	05-8-2017	ISSUED FOR EDA

PROJECT MANAGER	BRYCE BANON
CIVIL	KENTON NEWPORT
ELECTRICAL	KEITH BOYD
PROJECT NUMBER	10041595

STATE OF MISSOURI · KENTON LEE NEWPORT · NUMBER PE-2003011898 · PROFESSIONAL ENGINEER

LICENSEE:
KENTON NEWPORT
CIVIL
MO PE-2003011898

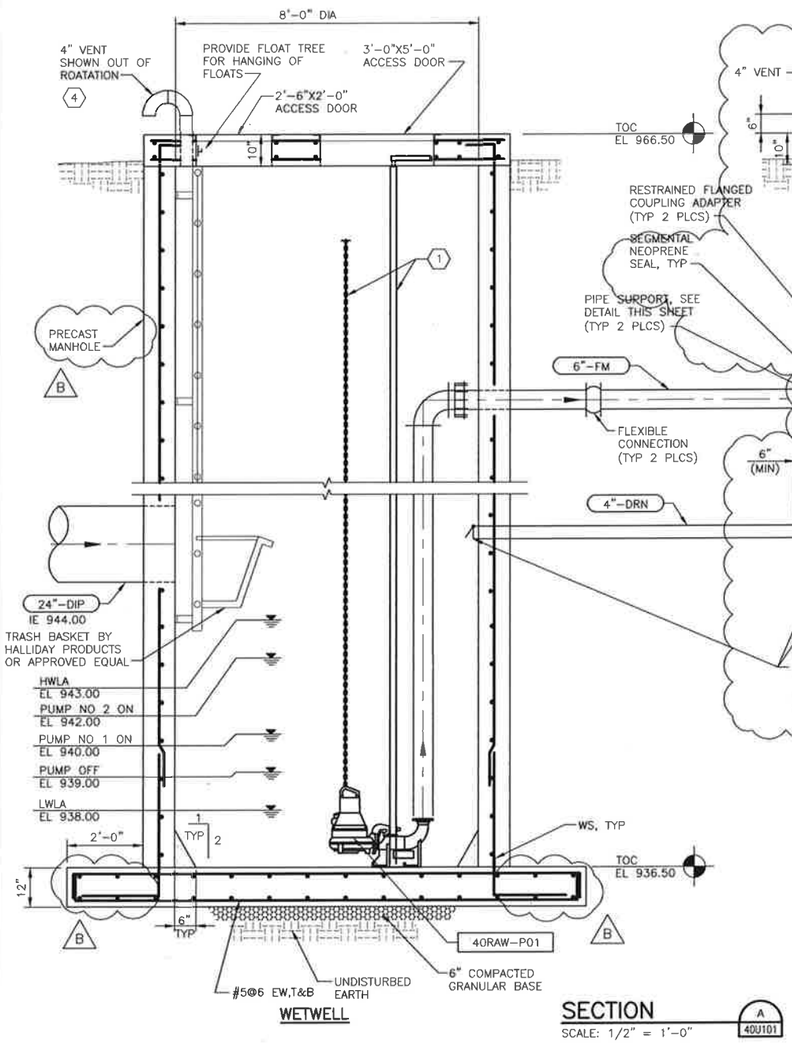
CITY OF JOPLIN, MISSOURI
WILDWOOD RANCH
BUSINESS PARK SEWER INFRASTRUCTURE

PUMP STATION
STRUCTURAL AND PROCESS PLANS

0 1" 2"

FILENAME 40U101
SCALE 1/2" = 1'-0"

SHEET
40U101

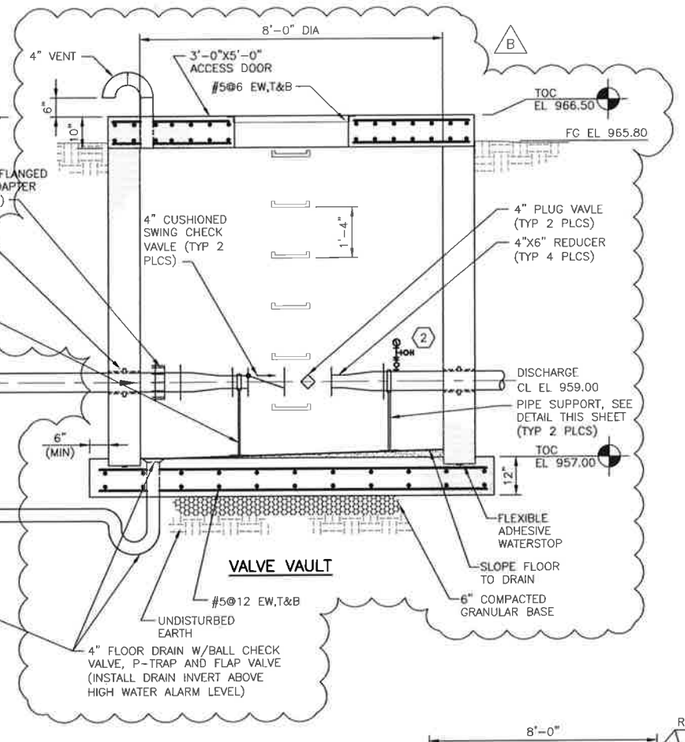


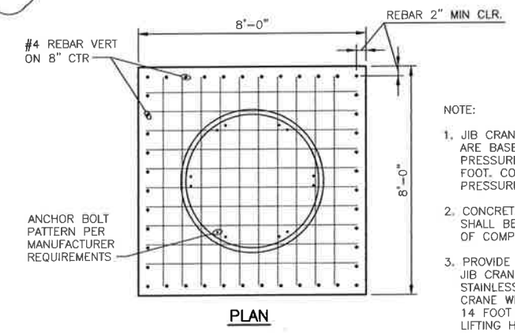
WETWELL

SECTION

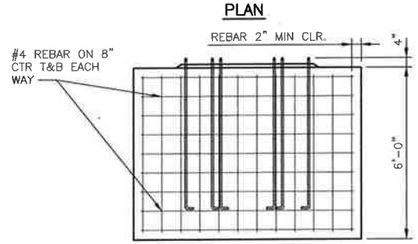
SCALE: 1/2" = 1'-0"

A 40U101





PLAN



PROFILE

NOTE:

1. JIB CRANE FOUNDATION REQUIREMENTS ARE BASED ON A MINIMUM SOIL BEARING PRESSURE OF 2,000 LBS. PER SQUARE FOOT. CONTRACTOR TO VERIFY SOIL PRESSURE.
2. CONCRETE FOR JIB CRANE FOUNDATION SHALL BE 4,000 LBS. PER SQUARE INCH OF COMPRESSIVE FORCE.
3. PROVIDE MOTORIZED 2 TON FREESTANDING JIB CRANE WITH ELECTRIC HOIST AND STAINLESS STEEL WIRE ROPE CABLE. THE CRANE WILL HAVE A 20 FOOT BOOM SPAN, 14 FOOT UNDER BOOM HEIGHT, 37 FOOT LIFTING HEIGHT. THE ELECTRIC HOIST WILL HAVE A MINIMUM LIFT SPEED OF 14/5 FEET PER MINUTE AND TROLLEY OPERATING SPEED OF 35 FEET PER MINUTE. CONTROL WILL BE WITH A PENDENT PUSH BUTTON STATION SUSPENDED FROM THE HOIST CONTROLLING ON/OFF, HOIST UP/DOWN, TROLLEY FORWARD/REVERSE AND JOB RIGHT/LEFT. THE MAST SHALL PROVIDE CONTINUOUS 360 DEGREE POWERED ROTATION WITH BRAKE OR STOP TO PREVENT CRANE ROTATION WHILE NOT IN USE. PAINT SYSTEM AND ALL ELECTRICAL COMPONENTS SHALL RATED FOR A CORROSIVE OUT DOOR ENVIRONMENT.

JIB CRANE FOUNDATION DETAIL

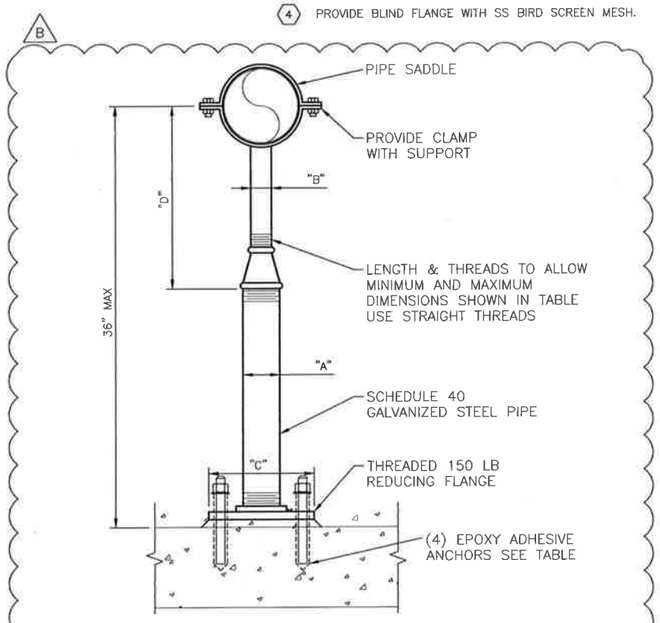
NTS

GENERAL NOTES:

1. SEE SPECIFICATIONS FOR WET WELL STANDARD MANHOLE REQUIREMENTS.
2. DETAILS AND DIMENSIONS OF EQUIPMENT INSTALLATION TO BE PROVIDED BY MANUFACTURER SELECTED. CONTRACTOR SHALL OBTAIN AND COORDINATE DIMENSIONS AND MAKE REVISIONS TO STRUCTURE AS REQUIRED. COORDINATE WITH ENGINEER.
3. ALL PIPING WITHIN WET WELLS AND VALVE PITS SHALL BE DUCTILE IRON PIPE. SEE APPLICABLE SITE PLAN FOR TERMINATION POINT IF REQUIRED.
4. PROVIDE MODULAR SEALS FOR ALL WALL PENETRATIONS.

KEYNOTES:

1. LIFTING CHAIN OR WIRE, 2" GUIDERAIL PIPES AND MOUNTING HARDWARE TO BE PROVIDED BY PUMP MANUFACTURER AS SPECIFIED.
2. PROVIDE ASHCROFT TYPE 80 ISOLATION RING PRESSURE GAUGE WITH 4" SILICONE FIELD DIAL, OR APPROVED EQUAL.
3. COORDINATE PIPE TERMINATION REQUIREMENTS WITH SELECTED VALVE VAULT MANUFACTURER.
4. PROVIDE BLIND FLANGE WITH SS BIRD SCREEN MESH.



FLOOR PIPE SUPPORT SCHEDULE
DIMENSIONS IN INCHES

PIPE SIZE	"A"	"B"	"C"	"D"		ANCHORS	
				MINIMUM	MAXIMUM	DIA	EMBED
4	3	2 1/2	9	9 1/2	14	5/8	5
6	3	2 1/2	9	10 1/2	15 1/2	5/8	5

ADJUSTABLE PIPE SUPPORT DETAIL

NOT TO SCALE

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BUSINESS PARK SEWER INFRASTRUCTURE

PUMP STATION
STRUCTURAL AND PROCESS SECTIONS

0 1" 2"

FILENAME 40U301
SCALE AS NOTED

SHEET **40U301**