

Public Contract Application for Contractual Changes

Engineering and Construction Department

485 N. Poplar, Broken Arrow, OK. 74012 Fax: 918-259-8453 - Office: 918-259-7000

Contract Change Order # 3

		Coi	iii aci	Ciiaii	ige Or	uci #	J			
Project Name:	Aspen Cr	eek Relief	Line			Project	Number:		S1307	
Project Location:	Between 121st and 11	11th follow	ing Aspen	ı Creek		Date of App	olication:	Tuesday, I	December 13,	, 2016
Contractor:	Triangle C	Construction	n LLC			Subm	itted By:	Cla	yton Ullrich	
						e of Work				
The following scope of v	work consisting of wo I upon by the contract									reviewed
								•		
Change of Work Items In	_									
	nitted on 12-9-16 by T									
	ne joints that could no									
	directed to utilize UR									attached
	sal is to be assigned to									
-	The proposal from the		_			the contractor	s acceptance	e of the URE	TEK contrac	t and
includes contract	tors costs for manager	ment, coord	dination, a	nd bond	s.					
Change in Contractual Pro	oiect Time:									
_	tional time added to the	he project f	or this cha	ange.						
1) There is no additi	Tomar time added to the	ne project i	or uns cna	mge.						
Plan Sheets or Additional	Documents Attached	d: 🗸	Yes	П	No	✓ Other:		URETEK	Proposal	
	2 o cumento i muento		100	_	110			UNDIDI	тороват	
			Work	Order (Quantities	1				
Item# (Spec) Item De	escription			Units		Price	Quanti	ty	Tota	ıl Amour
	K HDEP Injection at (3)) Manholes		LS	\$	9,924.50	1	\$		9,924.50
COS I CRETE	TIBEI Injection at (5)) mannoies		23	Ψ	9,921.50	•	Ψ		7,721.50
						Tr. 4.1				0.024.50
						Total	Change Co	st: \$		9,924.50
			Summa	ry of Pr	oject Cos	te				
Total Pravi	ious Change Orders:	\$	26,689			ginal Contract	Amount: \$		799,938.00	
	rrent Change Order:		9,924			nded Contract.			836,551.50	
	st of Change Orders:	\$	36,613			ent Change in (<u> </u>	4.58%	
	Applicable to CBA:					nge Applicable			4.58%	
Total Cost	ripplicable to CB/1.	Ψ	20,012	<u></u>	accin Ciia	nge Appheable	10 CD/1.		4.5070	
			Change (Ordor A	uthorizot	ion				
Change Order # 3	in the sum of:	\$	9,924			eviewed by all	narties and	is recommer	ded for appro	oval by:
Change Order #	- In the sum of.	Ψ	7,72	1.50	nas occir i	eviewed by all	parties and	15 recommen	ded for appro	ovar by.
Contractor Submitting Ch	ange Order									
Contractor Submitting Ch	lange Order.		Name			Signature			Date	
C				DE						
Construction Division Ma	inager:		S Robins,	PE		Signature			Date	
						Signature			Dute	
Director of Engineering &	z Construction:	Alex	Mills, PE						Dete	
			Name			Signature			Date	
Assistant City Manager -	Operations:		O Schwab,	, PE						
			Name			Signature			Date	
City Manager:	<u>-</u>	Michae	el Spurgeoi	n						
			Name			Signature			Date	
			This Char	nge is Exec	cuted Throug	:h:	<u> </u>			
☐ This change to the c	contract documents is auth	horized by the		_	`		pplicable state	statutes and C	OBA Code of C	Ordinance
		,	J	or	•	· · · · ·				, , ,
✓ This change to the c	contract documents was a	pproved at th	e City Coun	cil/BAM/	A meeting h	eld on :	Tuesday, De	ecember 20, 20	16	
						•			_	



TRIANGLE CONSTRUCTION & UTILITY 2241 S. 49TH W. AVE TULSA, OK 74107 PH: 918.933.4151 FX: 918.933.4155

JOB:

ASPEN CREEK RELIEF LINE
CONTRACT NO. S.1307
BID NO 16.164
OWNER:
CITY OF BROKEN ARROW
485 N. POPLAR
BROKEN, ARROW, OK 74012

CHANGE ORDER #3 12/13/2016

MANHOLE 2,7, & 8 URETECK CONCRETE LIFTING

\$9,924.50

URETECK PATENTED HYDRO-INTENSIVTIVE GEO-POLYMER ON MANHOLES 2,7,8 FOR CONCRETE LIFTING

TOTAL CHANGE ORDER \$ 9,924.50

Page 1 of 1



5616 S. 122nd East Avenue Suite G, Tulsa, Oklahoma 74146 Tulsa 918.250.0205 Toll-Free 866.507.6677 Concrete Lifting Soil Stabilization Underground Infrastructure Repair

December 7, 2016

City of Broken Arrow Mr. Timothy Robins, P.E., CWI 485 North Poplar Avenue Broken Arrow, OK 74013-0610

Reference: City of Broken Arrow Engineering & Construction Department; Aspen Creek Relief Line MH-2, 7, 8 I & I mitigation of Manholes using URETEK's patented hydro-insensitive geo-polymer

URETEK is pleased to present the following proposal of services; this proposal is designed to give you the information you need to understand the scope of our services and proposed project costs.

Our opinions and statements regarding this proposal and our intended scope of services shall remain confidential to you and your representatives and shall not be made available to another party without the expressed written consent of URETEK. All concepts and procedures stated in this proposal shall be deemed as the intellectual property of URETEK.

PROJECT OVERVIEW:

URETEK – Oklahoma proposes to inject our patented hydro-insensitive geo-polymer to stop groundwater entering the system through cracks and openings in the manhole walls, bench areas and pass-through lines. The leak repair injections will be made through 5/8" holes drilled through the walls and bench areas from inside the manholes. After holes are drilled the URETEK HDEP will be injected through these holes into the surrounding soils and back-fill surrounding the manholes and will not require excavation of the surrounding soils in order to make these repairs.

The URETEK HDEP material is engineered specifically for geotechnical applications and typically weighs less than 5 lbs/ft³. It enters the subgrade as a liquid, quickly expanding and solidifying, filling voids and compressing adjacent soils. Our in place material will have a minimum compressive strength of 60psi, greatly exceeding the structural capacity of typical support soils. The material achieves 90% strength within 15 minutes; allowing the remediated areas to be returned to service immediately following our process. All drilled holes will be filled with a non-shrink cementitious grout (where applicable) upon completion. It is important to note that this plan of repair applies only to those areas described above: We cannot be responsible for failure associated with areas we have not intended to remediate.

COSTS:

1) MH-2 Aspen Creek Relief Line

Design: Round (DO NOT USE WALL LADDER STEPS – NOT SAFE)

Construction: Precast Concrete

Depth: approximately 24'
Diameter: 4 ft. (round)
Two (2) 18" Pass-Through Line
One (1) 10" Pass-Through Line

Treatment Area: Precast joint locations & Inlets

Total: \$3,840.00 w/ mobilization



2) MH-7 Aspen Creek Relief Line

Design: Round (DO NOT USE WALL LADDER STEPS – NOT SAFE)

Construction: Precast Concrete Depth: approximately 16' Diameter: 4 ft. (round) One (1) 18" Pass-Through Line One (1) 12" Pass-Through Line

Treatment Area: Precast joint locations & Inlets

Total: \$2,560.00 w/ mobilization

3) MH-8 Aspen Creek Relief Line

Design: Round (DO NOT USE WALL LADDER STEPS – NOT SAFE)

Construction: Precast Concrete Depth: approximately 13' Diameter: 4 ft. (round) One (1) 12" Pass-Through Line One (1) 15" Pass-Through Line

Treatment Area: Precast joint locations & Inlets

Total: \$2,230.00 w/ mobilization

Total Cost Four (3) Manholes	Proposal Total	\$8630.00
	TOTAL JOB COST	\$8630.00

EXCLUSIONS:

- Testing of materials.
- Clearing, grubbing and/or any grading.
- · Location/relocation and internal monitoring of existing utilities.
- Sanitary facilities are to be provided by others.
- Erosion control measures during construction or drainage systems, by others.
- Landscaping including seeding or reseeding.
- Bonding, building or local permits or fees, historical permits or cultural resource surveys.
- No Holiday, Overtime or Weekend work is included.
- Owner to provide post construction survey for as built submittals if required.
- Work or materials not specifically mention in this quotation.
- See attached General Terms and Conditions.

Our final acceptance of any order will be based upon a final site visit to confirm the proposed site conditions and scope of expected services with the owner/contractor. Uretek will work with the owner/contractor to perform the above scope in the most efficient manner possible.

Please Note: NO Change Order implemented without written authorization.

Location of any underground utilities is excluded and the responsibility of the owner/general contractor. All utilities in the work area must be clearly marked prior to the start of work. If relocation of utilities is required it is to be done by others prior to our mobilization.

SCHEDULE:

City of Broken Arrow Broken Arrow, Oklahoma URETEK – Oklahoma



- To be determined
- Project completed in 1 to 2 work days however the onset of heavy rains or severe weather has a direct impact on the process and possibly extends the completion time.

TERMS/CONDITIONS

1. This proposal covers all labor, material, and supervision to implement the patented URETEK Hydro-Insensitive Geopolymer, **THE URETEK METHOD**® the process of polymeric injection on the subject property to fill void cavities beneath the slab within two (2) to eight (8) feet of the injection locations; the process can also be used to raise the slab and improve the horizontal surface alignment within six (6) feet of the injection locations. URETEK ICR does not represent to lift the slab to meet any criteria of levelness, including but not limited to, L/300 or one (1.0) inch of slope over 25 feet. The slab will be lifted as much as is practical, as judged by URETEK or in consultation with the property owner or property owner's engineer, to reduce structural stress on the slab and to improve horizontal alignment. The **Deep Injection**® process will be used to increase the load bearing capacity of foundation soils for built structures (Patent No.6,634,831 B2) This work shall consist of densification of base and sub-base soils under concrete or asphalt pavements, sleeper slab footings, structural foundation footings, etc. by furnishing and injecting geopolymer material into the base soils at locations shown on the plans or as directed by the engineer.

Manhole Repairs: this warranty will apply to repairs for each 2 (two) vertical cross section as billed against the contract per man hole. The total vertical feet of area to be treated per each manhole will be specified in the pre-project inspection and quotation. **Pipe Joint Repairs:** this warranty covers repairs at each pipe joint or crack specified in the pre-project inspection and quotation.

- 2. The customer understands that **THE URETEK METHOD®** involves drilling 5/8" holes through the slab, pavement, soils or interior walls of the infrastructure element at job site determined intervals and injecting the hydro-insensitive geopolymer through the holes which then expands to fill voids, cracks and fissures. All areas where URETEK performs work will be left free from trash and debris related to URETEK's work upon completion of the job.
- 3. URETEK ICR carries legally required Worker's Compensation and General Liability Insurance.
- 4. Known and/or unknown structural defects may exist prior to the commencement of the work. URETEK ICR bears no responsibility for these defects or any consequences arising as a result of these defects. Such possible defects include but are not limited to:
 - a. Insufficient or no steel reinforcement in the foundation beam.
 - b. Insufficient or no steel reinforcement in the concrete slab.
 - c. Slabs constructed with less than 4.0" thickness or compressive strength of concrete less than 2000 PSI.
 - d. Decayed or damaged wooden structural members.
- 5. **Warranty:** URETEK ICR WARRANTS the MATERIAL against shrinkage or deterioration for ten (10) years from the date of initial injection. This guarantee applies to the injection locations completed at initial application and is transferable to any subsequent owners without charge. If any adjustment is necessary due to settlement in the locations specified during the first one (1) year from the job completion date, URETEK ICR will adjust the settled area without cost to the CUSTOMER. After the first one (1) year period, adjustments or re-injections will be made at the rate of USD \$750.00 (seven hundred fifty dollars per injection until the 10 year material warranty expires.

LIFTING: THIS WARRANTY EXCLUDES EXTERNAL CAUSES NOT DEPENDENT ON OUR MATERIAL, FOR EXAMPLE, GROUND SUBSIDENCE OR HEAVE OF NATIVE SOILS. SETTLEMENT MAY RESULT FROM STRUCTURAL PROBLEMS, DYNAMIC OR STATIC LOADS MUCH HIGHER THAN THE DESIGN LOADS AT THE TIME OF URETEK ICR INTERVENTION, DAMAGES CAUSED BY EXCAVATIONS, PRODUCT TAMPERING, WEAK OR INADEQUATE CONCRETE, NATURAL CATASTROPHES (STORMS, FLOODS, DROUGHT, TIDES, EARTHQUAKES, EXPLOSIONS, FIRE, ETC.) OR SOIL SHRINKAGE CAUSED BY REDUCTION IN SOIL MOISTURE, SOIL SHRINKAGE MAY RESULT FROM TREE TRANSPIRATION, EVAPORATION, LOWERING OF THE WATER TABLE, IMPROPER SOIL COMPACTION, OR THE DRYING OF SATURATEDSOILS. HEAVE IS DEFINED AS THAT CONDITION CAUSED BY THE ADDITION OF MOISTURE IN ACTIVE CLAY SOILS, WHICH CAUSES THE SOIL TO



SWELL. THIS CONDITION MAY BE CAUSED BY PLUMBING LEAKS, POOR DRAINAGE, RISING WATER TABLE, HYDROSTATIC PRESSURE FROM UPHILL GRADIENT FORCES, OR REBOUND FROM OVER COMPACTED DRY SOILS.

SEALING: THIS WARRANTY EXCLUDES EXTERNAL CAUSES NOT DEPENDENT ON OUR MATERIAL, FOR EXAMPLE, GROUND WATER OR GROUNDWATER PRESSURES OR CHANGES IN SURFACE AND GROUNDWATER PATTERNS. LEAKAGE MAY RESULT FROM STRUCTURAL PROBLEMS, CHANGES IN GROUNDWATER LOCATION OR VOLUME OR PRESSURES MUCH GREATER THAN DESIGN OR REPAIR LOADS AT THE TIME OF URETEK ICR INTERVENTION, DAMAGES CAUSED BY EXCAVATIONS, PRODUCT TAMPERING, WEAK OR INADEQUATE CONCRETE, NATURAL CATASTROPHES (STORMS, FLOODS, DROUGHT, TIDES, EARTHQUAKES, EXPLOSIONS, FIRE, ETC.) OR SOIL SATURATION CAUSED BY INCREASES IN SOIL MOISTURE. SOIL SATURATION MAY RESULT FROM CHANGING GROUNDWATER OR SURFACE WATER DRAINAGE PATHS, UNDERGROUND RUPTURE OF WATER LINES, CHANGES IN UNDERGROUND SOIL STRUCTURES, CHANGES (BOTH INCREASES AND DECREASES) OF THE WATER TABLE, IMPROPER SOIL COMPACTION, OR THE INSTALLATION OF NEW UNDERGROUND STRUCTURES ADJACENT TO EXISTING UNDERGROUND STRUCTURES. SUCH CONDITIONS MAY BE CAUSED BY PLUMBING LEAKS, POOR DRAINAGE, RISING WATER TABLE, HYDROSTATIC PRESSURE FROM UPHILL GRADIENT FORCES, OR REBOUND FROM OVERCOMPACTED DRY SOILS.

MATERIAL FLOW OR TRAVEL: THIS WARRANY EXCLUDES DAMAGES CAUSED BY MATERIAL TRAVELLING UP AND THROUGH ANY SUBSURFACE OR SURFACE SOIL CRACKS, JOINTS BETWEEN SURFACE PANELS, JOINTS BETWEEN FOUNDATIONS, SURFACE PANELS AND THE LIKE. URETEK ICR — Oklahoma NOTIFIES THE CUSTOMER THAT THE MATERIAL USED IN SOIL COMPACTION / STABILIZATION, VOID FILL AND STRUCTURE LIFTING IS VERY STICKY AND ADHERES WELL TO VIRTUALLY EVERY SURFACE IT TOUCHES. CUSTOMER AGREES THAT CUSTOMER IS RESPONSIBLE TO REMOVE ANY STRUCTURAL AND OR PERSONAL PROPERTY AWAY FROM ANY AREA THAT MAY ENCOUNTER MATERIAL MIGRATING TO THE SURFACE, THROUGH JOINTS, AROUND FOUNDATIONS, AND THE LIKE. CUSTOMER FURTHER AGREES THAT URETEK ICR HAS NO RESPONSIBILITY OR LIABILITY FOR ANY DAMAGE TO CUSTOMER STRUCTURES OR PERSONAL PROPERTY THAT COMES IN CONTACT WITH THE URETEK GEOPOLYMER MATERIAL THAT MAY TRAVEL TO THE SURFACE.

SUBJECT TO THIS LIMITED WARRANTY, CUSTOMER AGREES THAT THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, MADE BY URETEK ICR CONCERNING THE WORK CONTEMPLATED BY THIS AGREEMENT. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, URETEK ICR — Oklahoma HEREBY DISCLAIMS, AND CUSTOMER HEREBY WAVES, ALL IMPLIED WARRANTIES OF MERCHANTABILITY, HABITABILITY, CONSTRUCTION IN A GOOD AND WORKMANLIKE MANNER, CONDITION, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND ADEQUACY OF THE PLANS. ANY IMPLIED WARRANTIES WHICH CANNOT LAWFULLY BE DISCLAIMED ARE LIMITED IN DURATION TO A ONE (1) YEAR DURATION FROM DATE URETEK ICR — Oklahoma INITIAL INJECTIONS, NOT WORK COVERED BY CHANGE ORDER OR WARRANTY, TO THE EXTENT PERMITTED BY LAW.

- 6. There always remains a potential for future movement of the Infrastructure Asset, URETEK ICR is in no way responsible for such future movement which is beyond its control such as plumbing leaks, erosion of soil from flooding, excessive moisture content, land drainage, natural springs, trees or large shrubbery located near the foundation or acts of God.
- 7. **Payment Terms:** Payment shall be due upon completion of the project as described herein. Any amount not paid within terms shall accrue interest at the rate of 18% per annum or the highest lawful rate, whichever is less.
- The Customer will provide:
 - All performance and technical studies necessary to the scope of the project
 - Adequate access to the work site(s)
 - Any necessary authorizations or permits
 - The owner or duly authorized representative onsite for the duration of the project



PAYMENT TERMS:

Based upon a set schedule of work and signed contract of services:

• Payment – Full amount due Net 15 days.

Accepted:	Date:	Title:	
-----------	-------	--------	--

This bid and its terms and conditions becomes an integral part of any contract awarded based upon this bid, whether referenced directly, attached or not to such contract.

Respectfully submitted,

Travis Christianson

URETEK - Oklahoma





Engineering & Construction Department

	Aspen Creek Relief Lin	е	Project Number:	S 1307	
Project Location:	121 st and Aspen		Contract Number:		
Prime Contractor:	Triangle Construction and Uti	ility, LLC	Date:	9/9/2016	
	REQUEST F	OR INFORMA	TION NO. #5		
FROM:				enstruction and Utility, LLC	
Name: Tom Ruth		: Foreman	Company: Triangle Co	mistruction and othity, LLO	
	on: 918-830-3146				
•	les not passing test	MH #7 Existing MH	#8		
	sting MH #2 and Existing	WITH #1 Existing WITH	#0		
Question: David,					
Ne tried to seal the	e three existing Manholes	s from the inside but	they are in bad shape and won	t seal off.	
Proposed Resolu	tion:				
The next step woul	ld be to dig around the or	utside of the manhol	es and try to seal them from the	outside. Existing MH #2	
will be difficult and	take more time than MH	#7 because it is 24'	deep, the underground water w	ould need to be pulliped	
as we do the renail	rs taking approximately 3	davs. We will have	to move the tence again and wa	atch out for all utility's that	
are legated there I	MH #8 WIII TAKE ADDROXIM	1aleiv 3 0avs 10 00. F		all the joints between	
ricers and nine day	skets may not solve the p	problem. We can try	this first if you wish but there are	all the joints between	
risers and pipe gas	skets may not solve the poe \$7,450.00 No Guarant	problem. We can try	this first if you wish but there are	all the joints between	
risers and pipe gas	skets may not solve the p	oroblem. We can try tee this will work	this first if you wish but there are	all the joints between	
risers and pipe gas added cost would l	skets may not solve the p be \$7,450.00 No Guaran	oroblem. We can try tee this will work	this first if you wish but there are	all the joints between	
risers and pipe gas added cost would l Estimated Cost Im	skets may not solve the poe \$7,450.00 No Guarant pact:	oroblem. We can try tee this will work Estim	this first if you wish but there are	all the joints between	
risers and pipe gas added cost would I Estimated Cost Im	skets may not solve the pole \$7,450.00 No Guarant pact: RACTOR:	problem. We can try tee this will work Estim	this first if you wish but there are nated Schedule Impact:	e no guarantees. The	
risers and pipe gas added cost would be Estimated Cost Im REPLY TO CONT	skets may not solve the poe \$7,450.00 No Guarant pact: RACTOR: /ation and grouting, p	eroblem. We can try tee this will work Estimate DATI	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK	HDEP	
risers and pipe gas added cost would be Estimated Cost Im REPLY TO CONT In lieu of excavinjection proce	skets may not solve the poe \$7,450.00 No Guarant pact: RACTOR: /ation and grouting, pass at each of the about	eroblem. We can try tee this will work Estimate DATE Dlease proceed work ove noted manho	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for the standard section of the standard section	HDEP for the	
risers and pipe gas added cost would I Estimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propo	pact: RACTOR: /ation and grouting, pact at each of the above sal from URETEK. C	coordinate with U	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for RETEK as an assigned Schedule Impact:	HDEP for the	
risers and pipe gas added cost would be stimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propounder your cor	pact: RACTOR: vation and grouting, pas at each of the about the pact and provide a contract and provide a contra	coordinate with U	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for the standard section of the standard section	HDEP for the	
risers and pipe gas added cost would I Estimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propo	pact: RACTOR: vation and grouting, pas at each of the about the pact and provide a contract and provide a contra	coordinate with U	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for RETEK as an assigned Schedule Impact:	HDEP for the	
risers and pipe gas added cost would be stimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propounder your cor	pact: RACTOR: vation and grouting, pas at each of the about the pact and provide a contract and provide a contra	coordinate with U	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for RETEK as an assigned Schedule Impact:	HDEP for the	
risers and pipe gas added cost would be Estimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propounder your cor	pact: RACTOR: vation and grouting, pas at each of the about the pact and provide a contract and provide a contra	coordinate with U	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for RETEK as an assigned Schedule Impact:	HDEP for the	
risers and pipe gas added cost would be stimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propounder your cor sub-contractor	pact: RACTOR: /ation and grouting, pas at each of the about sal from URETEK. Contract and provide a contract and	DATION OF THE PROPERTY OF THE	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for RETEK as an assigned Sun your markup to manage	HDEP for the ub said	
risers and pipe gas added cost would be Estimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propounder your consub-contractor	pact: RACTOR: vation and grouting, pact at each of the above at each of the above at each and provide a contract	Estimolem. We can try tee this will work Estimolease proceed wove noted manho coordinate with Uchange order with	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for the property of the property	HDEP for the ub said	
risers and pipe gas added cost would be stimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propounder your consub-contractor Per the Contract Geimplications as a research added to the state of the contract Geimplications as a research would be supplied to the state of the contract Geimplications as a research would be supplied to the state of the contract Geimplications as a research would be supplied to the state of the	pact: RACTOR: ration and grouting, pass at each of the about the about the pact and provide a contract and provide a contract and provide a contract the about the a	Estim DATI please proceed work coordinate with Uchange order with ractor shall not proceed written approval from	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for the property of the property	HDEP for the jub said	
risers and pipe gas added cost would be stimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propounder your consub-contractor Per the Contract Geimplications as a research additional construction Management of the construction of the con	pact: RACTOR: Vation and grouting, pass at each of the about sal from URETEK. Contract and provide a contract an	Estim DATI please proceed work coordinate with Uchange order with ractor shall not proceed written approval from	this first if you wish but there are nated Schedule Impact: E ANSWERED: with utilization of URETEK les. Please see attached for RETEK as an assigned Sun your markup to manage of with additive or deductive work with the City of Broken Arrow.	HDEP for the ub said	
risers and pipe gas added cost would be stimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propounder your consub-contractor Per the Contract Geimplications as a research added to the state of the contract Geimplications as a research would be supplied to the state of the contract Geimplications as a research would be supplied to the state of the contract Geimplications as a research would be supplied to the state of the	pact: RACTOR: Vation and grouting, pass at each of the about sal from URETEK. Contract and provide a contract an	Estim DATI please proceed work coordinate with Uchange order with ractor shall not proceed written approval from	this first if you wish but there are nated Schedule Impact: E ANSWERED: With utilization of URETEK les. Please see attached for RETEK as an assigned Son your markup to manage of with additive or deductive work with additive or deductive work with City of Broken Arrow. Contractor Concurrence	HDEP for the Jub said	
risers and pipe gas added cost would be stimated Cost Im REPLY TO CONT In lieu of excavinjection proce contract propounder your consub-contractor Per the Contract Geimplications as a research additional construction Management of the construction of the con	pact: RACTOR: Vation and grouting, pass at each of the about sal from URETEK. Contract and provide a contract an	Estim DATI please proceed work coordinate with Uchange order with ractor shall not proceed written approval from	this first if you wish but there are nated Schedule Impact: E ANSWERED: With utilization of URETEK les. Please see attached for RETEK as an assigned Son your markup to manage of with additive or deductive work with additive or deductive work with City of Broken Arrow. Contractor Concurrence	HDEP for the jub said	