		r							
		E	xhibit A						P
		Post U	ak Lift Station						
The Engineering Report provided by the developer w	ill include cufficient i	formation to allow the	City of Norman to	coloulate the on	provimate cost to c	norato mointoir	and rapiasa as	nital aquinment	
for the life of the proposed lift station. This informatio	n chall include sufficient in	louing of a minimum:	City of Normali to	calculate the ap		iperate, maintair	i anu repiace ca	pitai equipinent	
ior the me of the proposed int station. This mornatio		iowing at a minimum.							
Proposed Lift Station Sewer Service Area including	expected number and	type of residential uni	ts as well as the n	umber of acres of	of other zoning clas	sifications such	as commercial i	nstitutional	
industrial etc. If applicable a phasing plan shall be	submitted Calculate	estimated nonulation e	quivalent to be se	wed by the lift st	ation (include total	nonulation and t	preakout by phas	as if	
applicable) Estimated average daily wastewater flow	(ADE) in callons per	day (CPD) and peak	hourly flow in CPF	veu by the lift st	lly accepted stands	population and i	ta ADE or other (lata accontable	
to the City of Norman	(ADI) III gallolis pel	day (Gi D) and peak		uulizing genera	ily accepted starios	ilus ioi pei capi		iala accepiable	
	Daraal 1 Tha	Daraol 24	Darcal 2P	Parcel 2	Parcel 4 (Mixed				
	Faicei i iile	(Commorpial)	(Posidontial)	(Inductrial)		Parcel 5 (LDP)	Parcel 6 (LDP)	Parcel 7 (LDP)	
	LILIKS		(Residential)	(industrial)	Use)		Faicero (LDK)		Tatal
	UTIILS	Acres	<u>UIIIS</u>	Acres E AE	Acres 7.01	<u>Acres</u>	Units	Acres	<u>10tai</u>
	924	29.21	400	5.45	7.01	137.90	0.54	40.42	
Population Equivalent Per Category	1.60	14.38	1.60	10.00	14.38	8.89	2.54	8.89	1051
Estimated Population	1,478	421	640	54	101	1,226	3	430	4,354
Estimated average daily wastewater flow (ADF) in					10.000		0.17		
gallons per day using 125 gpcd	184,800	52,613	80,000	6,809	12,600	153,241	318	53,807	544,188
Estimated peak hourly flow in GPD	739,200	210,451	320,000	27,235	50,402	612,966	1,270	215,227	2,176,751
Peaking Factor	4.0								
Drawings showing the location of the proposed lift sta	ation, force main and	access roadways. Inc	lude sufficient data	to allow the pur	mp static head to be	e determined).			
		•				,			
HP = ((CPM) x (TDH)) / ((3060) x (0.50)), where pure	n officiency is assum	ad to be 50% (unless	othenwise approve	d) Check if pur	n of estimated CP	M and TDH is av	vailable: adjust H	ID as required	
(G1 W) X (1D1)) / ((3300) X (0.30)) Where put			Efficiency		ip of estimated of 1		raliable, aujust H	as required.	
	1000	120	50%	60.61					
	1000	120	50 %	00.01					
Estimate average annual electrical cost	////	1 . ODM))							
1. Pump time (nours per day) = ((ADF in GPD) x 24)	7 (1440 x (Pump Cap	bacity in GPM))							
	195	Pumping	Pumping						
	ADF	Capacity	Hours/day						
	544,188	1000	9.07						
kilowatt-hours (kWh) = (HP) x 0.746 x (pump time	in hours per day) x 3	65				r			
		Pumping	Kwh Per	Kwh Per					
	HP	Hours/Day	<u>Day</u>	Year					
	60.61	9.07	410.06	149,674					
Annual Electrical Cost = kWh per year x \$0.08 kW	/h								
	Kwh Per	Cost per	Cost per						
	Year	Kwh	Year						
	149,674	\$0.08	\$11,973.89						
								•	
Estimate annual lift station and force main OM&P co	et Provide approvim	ate cost for lift station :	and annurtenances		ll numne dischara	e nining and val	ves electrical co	ntrole flow	
estimate annual int station and force main owark co	st. I fittings and value	ale cost for int station a	r access read for		ii, puilips, discharg	to oto Accumo	oppual raplacer	nitions, now	
netering, force main quick-connect coupling, valve v	auit, iittings and vaiv	es, iencing, all weathe	raccess road, lord	e main, air reiea	ise valves and vaul	is, etc. Assume	annual replacem	Ient cost is 5%	
Appuel OM&B Cost = 0.05 v Cositel Cost									
Annual Olviar Cost – 0.05 x Capital Cost	Lift Station	Fores Main	10" Force Main	Fores Main	Tatal	Appuel	. <u> </u>		
	LIII Station	Force Main			Total	Annual			
	<u>LOSI</u>	Length	<u>Per Foot</u>	<u>0051</u>	<u>0051</u>		ļ!		
		9,350	\$30.UU	\$330,600	3917,U84	♦40 ,854			
Calculate Total Monthly OM&R Cost: Monthly OM&F	Cost = (Annual Elec	trical Cost + Annual O	M&R Cost) / 12	.					
			Total	Total			'		
	Electrical	OM&R	Annual	Monthly					
	Cost	Cost	Cost	Cost					ļ
	\$11,973.89	\$45,854.20	\$57,828.09	\$4,819.01					
Calculate Lift Station Fee: The fee will be calculated	on a residential lot ba	asis as well as a per ca	apita basis to acco	mmodate other a	zoning classificatio	ns such as comi	nercial, institution	nal, industrial,	
etc.									
Monthly Per Capita Fee = ((Monthly OM&R Cost) x F	Per Capita ADF) / ((AI	DF) x 30.417 days per	month))						
Monthly Residential Fee = where the number of pers	ons per household is	the same as was assu	umed in the Engine	eering Report.					
	Total Annual	Monthly	Monthly	Monthly	Monthly				
	Monthly	Cost Per	Cost Per	Cost Per	Cost Per				
	Cost	Person	Household	Apartment	Business				
Original Agreement Rate	\$4,819,01	\$1.11	\$2.81	\$1.77	\$31.06				
	÷.,010.01	¥	φ = .01	ψ <i>ι</i>	40 1.00				
Current Rate w/ Inflation (adi 7/1/23)		\$1.69	\$4 29	\$2.70	\$47.42				
		÷	÷	÷=¢	÷				