ENGINEER'S OPINION OF PROBABLE COST

CLIENT	CITY OF FORNEY
PROJECT	EXTENSION OF TRAILHOUSE ROAD SOUTH OF EMERSON APTS TO HWY 80
	PHASE TWO - SANITARY SEWER
DATE:	12-Feb-20

SEWER	Item	Qty.	Unit	Unit Cost	Total Cost
S1	MOB AND DEMOB	1	LS	$10,000.00	$10,000.00
S2	BONDING & INSURANCE	1	LS	$20,000.00	$20,000.00
S3	18" SEWER LINE	985	LF	$ 95.00	$ 93,575.00
S4	18" SEWER ENCASED IN BORE	290	LF	$ 625.00	$181,250.00
S5	18" SEWER IN CONCRETE ENCASEMENT	25	LF	$ 120.00	$ 3,000.00
S6	5' Dia MANHOLES WITH LINING	6	EA	$17,800.00	$106,800.00
S7	5' Dia MANHOLES WITH LINING ON EXISTING	1	EA	$18,600.00	$ 18,600.00
S8	ADDITIONAL VERTICAL DEPTH 5' DIAMETER MANHOLES	40	LF	$ 600.00	$ 24,000.00
S9	CONNECT NEW SEWER TO EXISTING SEWER (UPSTREAM)	1	LS	$ 2,000.00	$ 2,000.00
S10	CONNECT EXISTING SANITARY SEWER SERVICES	2	EA	$ 2,400.00	$ 4,800.00
S11	EROSION CONTROL	1	LS	$ 4,000.00	$ 4,000.00
S12	REPAIR & REPLACE EXISTING RIP RAP	1	LS	$ 2,200.00	$ 2,200.00
S13	HYDROMULCH	2100	SY	$ 1.50	$ 3,150.00
S14	CRUSHED ROCK FOR PIPELINE BOTTOM STABILITY	100	CY	$ 42.00	$ 4,200.00
S15	TRENCH SAFETY	985	LF	$ 2.50	$ 2,462.50
	SUBTOTAL				**$480,037.50**

PAVING					
P1	REMOVE EXISTING PAVEMENT & CURB	1,106	SY	$15.00	$16,590.00
P2	REMOVE EXISTING DRIVEWAYS	161	SY	$15.00	$2,415.00
P3	6" 3600 PSI CONC PVMT WITH NO. 4 ON 18" E.W.	1,108	SY	$56.00	$62,048.00
P4	6" ROLLBACK CURB	470	LF	$2.00	$940.00
P5	6" LIME STABILIZED SUBGRADE	1,217	SY	$6.00	$7,299.60
P6	HYDRATED LIME (32 LBS/SY)	40	TN	$180.00	$7,200.00
P7	CONCRETE DRIVEWAY REPLACEMENT	161	SY	$70.00	$11,270.00
P8	CONCRETE SIDEWALK REPLACEMENT	2	SY	$45.00	$90.00
P9	SODDING	110	SY	$7.00	$770.00
P10	LONGITUDINAL BUTT JOINT	12	LF	$10.00	$120.00
P11	TRAFFIC CONTROL THRU CONSTRUCTION	1	LS	$8,000.00	$8,000.00
	SUBTOTAL				**$116,742.60**
TOTAL PROBABLE CONSTRUCTION COST					$596,780.10
ENGINEERING/SURVEY					$ 41,770.00
MATERIAL TESTING 5%					$ 29,840.00
CONTINGENCY (10%)					$ 59,680.00
LAND ACQUISTIONS/EASEMENTS					$ -
RECOMMENDED PROJECT BUDGET (COMPLETION OF PHASE TWO OF TRAILHOUSE PROJECT)					$728,070.10