

**JOB REQUEST:**

DEVELOPER ☐ WATER ☒  
CONTRACTED ☐ SEWER ☐  
EPWU WORK ☒ RECLAIMED ☐  
PURCHASE ☐ STORM WATER ☐ OTHER ☐

ACCTG. Job No. 00000000  
ENG. NUMBER XX-XXXX  
IMPACT FEE ☐

DATE: 10/6/2020 INST. & SERV. CONTR. NO. DATE CLOSED GENERAL LEDGER CLOSING NUMBER

DESCRIPTION: Install 6" PVC 4360'

LOCATION: Square Dance Area  
From Round Rock Rd to Frankie Ln

ADDITION: Square Dance

BUD. REF Page Item FY

A/C REC. (Enter Name)

Issued By RE

Job Responsibility A. Castner

FUND	
Bond <input type="checkbox"/>	Contribution <input type="checkbox"/>
M & O <input type="checkbox"/>	Improvements <input type="checkbox"/>
Storm Op <input type="checkbox"/>	Storm Imp <input type="checkbox"/>
125.0 <input checked="" type="checkbox"/>	CP <input type="checkbox"/>
WSR Fd <input type="checkbox"/>	<input type="checkbox"/>

Approved By - Finance Officer

Date

Approved By - Management

Date

MATERIAL				UNIT COST	TOTAL
QUANTITY	UNIT	WHSE #	DESCRIPTION		
218	L.L.	2317	PIPE PVC DR14 305 6IN (218@20FT sections = 4,360 ft total)	\$ 116.37	25,368.66
8	EA.	1487	FIRE HYDRANT 4FT	\$ 2,488.00	19,904.00
18	EA.	3347	GATE VALVE MJ 6"	\$ 408.63	7,355.34
8	EA.	164	BEND MJ 90d 6IN	\$ 62.21	497.68
18	EA.	309	BOX BONNET (F/VALVE)	\$ 50.00	900.00
18	EA.	773	COVER BONNET DEEP SHANK (F/VALVE)	\$ 15.21	273.78
18	L.L.	2379	PIPE SWR PVC 8" (RISER F/VALVE)	\$ 52.42	943.56
8	EA.	947	DRESSER PVC 6IN	\$ 48.08	384.64
640	CY	....	SELECT BEDDING MATERIAL	\$ 14.00	8,960.00
8	EA.	.....	AUTOMATIC FLUSHING VALVE W/HARDWARE	\$ 3,000.00	24,000.00

EPWATER TO INSTALL PIPING AND BACKFILL BEDDING MATERIAL ONLY UP TO 1 FOOT ABOVE PIPE CROWN. COUNTY TO INSTALL BACKFILL MATERIAL AND COMPACT BACKFILL MATERIAL. COUNTY WILL DISPOSE OF EXCESS OR UNSUITABLE MATERIAL. COUNTY AGREES TO BACKFILL IMMEDIATELY AFTER EPWATER INSTALLS PIPE AND BEDDING MATERIAL TO 1 FOOT ABOVE PIPE. STEEL PLATES WILL NOT BE USED SO COUNTY TO ASSURE TRENCH IS SAFE AFTER END OF EACH DAY. COUNTY TO WAIVE ROAD INSPECTION MAINTENANCE FEE PAVED ROW AND TO WAIVE ROAD ENTRY & ACCESS PERMIT FEE.

REPRESENTATIVE NAME: \_\_\_\_\_

PHONE NO: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

REPRESENTATIVE (SIGNATURE) \_\_\_\_\_

DATE \_\_\_\_\_

MATERIALS SUB-TOTAL		88,587.66
MATERIALS HANDLING CHARGE	13%	11,516.40
MATERIALS TOTAL		100,104.06
EQUIPMENT CHARGES		38,203.92
PAVING REPAIR	Sq. Ft. @ \$ 6.09 Per Sq. Ft.	-
LABOR	698 Man Days @ \$ 193.35 Per Day	134,958.30
OTHER CHARGES	26 CY of REDYMIX \$360/cy = \$9,360, TRENCH SAFETY @ 3.00/LF = \$13,080	78,449.00
OTHER CHARGES	New Water Service 47@960.00/EA = \$45,120.00, Trench Protection = \$6,540.00	-
OTHER CHARGES	Chemical Unit \$1,320.00, Traff Cntrl = \$3,000, Rd Insp. Maint. Fee WAIVED = \$0	-
OTHER CHARGES	Road Entry & Access Permit Fee Asphaltic Pavement Cost WAIVED = \$0	-
SUB-TOTAL		351,715.28
CONTINGENCY >>> 10%		35,171.53
OF SUB-TOTAL		35,171.53
Unit Cost	SUPERVISION / OVERHEAD / ENGINEERING >>> 5%	17,585.76
Estimated Cost if Contracted \$		404,472.57
ESTIMATED TOTAL COST		404,472.57

# COST ESTIMATE

LABOR AND EQUIPMENT ESTIMATE WORKSHEET					
DATE:	10/6/2020	ENGINEERING NUMBER:		XX-XXXX	
PROJECT:	Square Dance				
ACTIVITY:	Install 6" PVC 4360'				
EQUIPMENT	DAYS	EQUIP. COST	E.L.I. TOTAL	LABOR COST	L.L.I. TOTAL
1) TRUCK (5 MEN CREW) - 40'/day	109	104.80	\$ 11,423.20	813.12	\$ 88,630.08
2) BACKHOE - 40'/day	109	214.08	\$ 23,334.72	141.20	\$ 15,390.80
3) EXCAVATOR - 40'/day		758.24	\$ -	199.20	\$ -
4) FRONT END LOADER - ½ of digger		602.64	\$ -	199.20	\$ -
5) DUMP TRUCK - 80'/day		108.56	\$ -	141.20	\$ -
6) BOOM TRUCK - 300'/day	15	189.52	\$ 2,842.80	141.20	\$ 2,118.00
7) WATER TRUCK - 300'/day		104.80	\$ -	141.20	\$ -
8) COMPRESSOR - 80'/day		61.36	\$ -	154.56	\$ -
9) SAW CUT - 150'/day	29	20.80	\$ 603.20	154.56	\$ 4,482.24
10) ROLLER - 150'/day		87.20	\$ -	154.56	\$ -
SUBTOTAL DAYS	262	TOTAL EQUIP. COST	\$ 38,203.92	SUBTOTAL LABOR	\$ 110,621.12
+(4*TRUCK TIME)	436			+22% CONT.	\$ 24,336.65
TOTAL DAYS	698			TOTAL LABOR COST	\$ 134,957.77
		TOTAL LAB. & EQUIP.	\$ 173,161.69		
		LAB. COST/MAN DAY	\$ 193.35		

STEEL PLATES	
Amount of plates needed	
Single 6'x10' plate/7days	\$212.57
Rental Period	16
Total rental	\$0.00
CHEMICAL UNIT	
Total Calendar Days	109
\$53.00 - 1st. Day	\$53.00
\$12.00 - each additional day	\$1,296.00
Total rental	\$1,349.00

OTHER CHARGES	
Item Description	Total Price
Steel Plates	\$0.00
Chemical Unit	\$1,349.00
Traffic Control	\$3,000.00
26 CY Redi Mix \$360/CY	\$9,360.00
New Water Service 47 @ \$960.00 / ea	\$45,120.00
Trench Protection @ \$1.50	\$6,540.00
Trench Safety @\$3.00 LF	\$13,080.00
Total Charges	\$78,449.00