Site Engineering

1. New Installation of Large meter including vaults, valves & bypass piping

Description	Qty	Base Unit		Total	
1a. 3" meter	21	ea	$ 3,500.00	$	73,500.00
1d. 4" meter	08	ea	$ 4,250.00	$	34,000.00
1c. 6" meter	12	ea	$ 5,250.00	$	63,000.00
1d. 8" meter	08	ea	$ 6,500.00	$	52,000.00
1e. 10" meter	01	ea	$ 6,500.00	$	6,500.00
	End of section 1 sub total			**$**	**229,000.00**
2. New Installation of 3/4" to 2" meters and tap in conjuction with new large meter or double detector check installation only					
2a. 3/4 or 1" tap and meter installation	01	ea	$ 1,500.00	$	1,500.00
2b. 1 1/2 or 2" tap and meter installation	01	ea	$ 2,000.00	$	2,000.00
2c. 3/4" copper tubing installation after 15 ft	30	lf	$ 5.00	$	150.00
2d. 1 Copper tubing installation after 15 ft	30	lf	$ 8.00	$	240.00
2e. 1 1/2" copper tubing installation after 15 ft	30	lf	$ 10.00	$	300.00
2f. 2" copper tubing installation 15 ft	30	lf	$ 12.00	$	360.00
	End of section 2 sub total			**$**	**4,550.00**
3. Replacement of large meters only					
3a. 3" meter	15	ea	$ 800.00	$	12,000.00
3b. 4" meter	10	ea	$ 800.00	$	8,000.00
3c. 6" meter	15	ea	$ 1,000.00	$	15,000.00

Rockdale Pipeline Inc.

1. New Installation of Large meter including vaults, valves & bypass piping

Description	Qty	Base Unit		Total	
1a. 3" meter	21	ea	$ 3,061.00	$	64,281.00
1d. 4" meter	08	ea	$ 3,665.00	$	29,320.00
1c. 6" meter	12	ea	$ 4,872.00	$	58,464.00
1d. 8" meter	08	ea	$ 6,726.00	$	53,808.00
1e. 10" meter	01	ea	$ 7,933.00	$	7,933.00
	End of section 1 sub total			**$**	**213,806.00**
2. New Installation of 3/4" to 2" meters and tap in conjuction with new large meter or double detector check installation only					
2a. 3/4 or 1" tap and meter installation	01	ea	$ 1,095.00	$	1,095.00
2b. 1 1/2 or 2" tap and meter installation	01	ea	$ 1,578.00	$	1,578.00
2c. 3/4" copper tubing installation after 15 ft	30	lf	$ 14.00	$	420.00
2d. 1 Copper tubing installation after 15 ft	30	lf	$ 16.00	$	480.00
2e. 1 1/2" copper tubing installation after 15 ft	30	lf	$ 34.00	$	1,020.00
2f. 2" copper tubing installation 15 ft	30	lf	$ 49.00	$	1,470.00
	End of section 2 sub total			**$**	**6,063.00**
3. Replacement of large meters only					
3a. 3" meter	15	ea	$ 785.00	$	11,775.00
3b. 4" meter	10	ea	$ 1,026.00	$	10,260.00
3c. 6" meter	15	ea	$ 1,026.00	$	15,390.00

3d. 8" meter	15	ea	$ 1,000.00	$ 15,000.00
3e. 10" meter	1	ea	$ 1,000.00	$ 1,000.00
End of section 3 sub total				**$ 51,000.00**
4. Replacement of large meter including vaults, Valves, & bypass piping				
4a. 3" meter vault valve bypass	1	ea	$ 4,000.00	$ 4,000.00
4b. Meter, vault valve, bypass	1	ea	$ 4,500.00	$ 4,500.00
4c. 6" meter, vault, valves, bypass	15	ea	$ 7,500.00	$ 112,500.00
4d. 8" meter. Vault valves, bypass	15	ea	$ 8,500.00	$ 127,500.00
4e. 10" meter, vault valve, bypass	1	ea	$ 8,500.00	$ 8,500.00
End of section 4 sub total				**$ 257,000.00**
5. Replacement of large meters including valves & bypass piping				
5a. 3" meter, valves bypass	1	ea	$ 2,000.00	$ 2,000.00
5b. 4" meter, valves bypass	1	ea	$ 2,500.00	$ 2,500.00
5c. 6" meter , valves bypass	15	ea	$ 5,000.00	$ 75,000.00
5d. 8" meter, valves bypass	15	ea	$ 6,000.00	$ 90,000.00
5e. 10" meter, valves bypass	1	ea	$ 5,500.00	$ 5,500.00
End of section 5 sub total				**$ 175,000.00**

3d. 8" meter	15	ea	$ 1,389.00	$ 20,835.00
3e. 10" meter	1	ea	$ 2,596.00	$ 2,596.00
End of section 3 sub total				**$ 60,856.00**
4. Replacement of large meter including vaults, Valves, & bypass piping				
4a. 3" meter vault valve bypass	1	ea	$ 4,260.00	$ 4,260.00
4b. Meter, vault valve, bypass	1	ea	$ 4,325.00	$ 4,325.00
4c. 6" meter, vault, valves, bypass	15	ea	$ 6,231.00	$ 93,465.00
4d. 8" meter. Vault valves, bypass	15	ea	$ 7,598.00	$ 113,970.00
4e. 10" meter, vault valve, bypass	1	ea	$ 8,995.00	$ 8,995.00
End of section 4 sub total				**$ 225,015.00**
5. Replacement of large meters including valves & bypass piping				
5a. 3" meter, valves bypass	1	ea	$ 3,053.00	$ 3,053.00
5b. 4" meter, valves bypass	1	ea	$ 3,117.00	$ 3,117.00
5c. 6" meter , valves bypass	15	ea	$ 3,695.00	$ 55,425.00
5d. 8" meter, valves bypass	15	ea	$ 5,062.00	$ 75,930.00
5e. 10" meter, valves bypass	1	ea	$ 6,459.00	$ 6,459.00
End of section 5 sub total				**$ 143,984.00**

6. Pipe Installation in conjunction with large meter installlation					
6a. Installing 6" Ductile Iron Pipe	100	lf	$ 65.00	$	6,500.00
6b. Installing 8" Ductile Iron Pipe	100	lf	$ 70.00	$	7,000.00
6c. Installing 10" Ductile Iron pipe	100	lf	$ 75.00	$	7,500.00
6d. Installing 12" Ductile Iron Pipe	100	lf	$ 75.00	$	7,500.00
	End of section 6 sub total			$	28,500.00
7. Meter Vault & Lid Replacement					
7a. Medium, vault 108" x 60" inside dimension	1	ea	$ 1,000.00	$	1,000.00
7b. Large Vault, 144" x 72" inside dimension	1	ea	$ 1,500.00	$	1,500.00
	End of section 7 sub total			$	2,500.00
8. Meter and Double Detector Check (DDC) Vault Adjustment					
8a. Medium Vault adjustment to grade (up)	1	vf	$ 500.00	$	500.00
8b. Large Vault adjustment to grade up	1	vf	$ 600.00	$	600.00
	End of section 8 sub total			$	1,100.00
9. New Installation of DDC, Vault and Valves					
9a. 3" DDC	1	ea	$ 2,500.00	$	2,500.00
9b. 4" DDC	1	ea	$ 2,750.00	$	2,750.00
9c. 6" DDC	1	ea	$ 3,000.00	$	3,000.00
9d. 8" DDC	1	ea	$ 3,250.00	$	3,250.00
9e. 10" DDC	1	ea	$ 4,000.00	$	4,000.00
9f. 12" DDC	1	ea	$ 4,000.00	$	4,000.00
	End of section 9 sub total			$	19,500.00

6. Pipe Installation in conjunction with large meter installlation					
6a. Installing 6" Ductile Iron Pipe	100	lf	$ 54.00	$	5,400.00
6b. Installing 8" Ductile Iron Pipe	100	lf	$ 57.00	$	5,700.00
6c. Installing 10" Ductile Iron pipe	100	lf	$ 61.00	$	6,100.00
6d. Installing 12" Ductile Iron Pipe	100	lf	$ 67.00	$	6,700.00
	End of section 6 sub total			$	23,900.00
7. Meter Vault & Lid Replacement					
7a. Medium, vault 108" x 60" inside dimension	1	ea	$ 2,850.00	$	2,850.00
7b. Large Vault, 144" x 72" inside dimension	1	ea	$ 4,122.00	$	4,122.00
	End of section 7 sub total			$	6,972.00
8. Meter and Double Detector Check (DDC) Vault Adjustment					
8a. Medium Vault adjustment to grade (up)	1	vf	$ 2,415.00	$	2,415.00
8b. Large Vault adjustment to grade up	1	vf	$ 3,019.00	$	3,019.00
	End of section 8 sub total			$	5,434.00
9. New Installation of DDC, Vault and Valves					
9a. 3" DDC	1	ea	$ 2,673.00	$	2,673.00
9b. 4" DDC	1	ea	$ 3,342.00	$	3,342.00
9c. 6" DDC	1	ea	$ 4,549.00	$	4,549.00
9d. 8" DDC	1	ea	$ 5,821.00	$	5,821.00
9e. 10" DDC	1	ea	$ 7,933.00	$	7,933.00
9f. 12" DDC	1	ea	$ 9,141.00	$	9,141.00
	End of section 9 sub total			$	33,459.00

10. Replacement of DDC Only				
10a. 3" DDC	1	ea	$ 800.00	$ 800.00
10b. 4" DDC	1	ea	$ 1,000.00	$ 1,000.00
10c. 6" DDC	1	ea	$ 1,200.00	$ 1,200.00
10d. 8" DDC	1	ea	$ 1,200.00	$ 1,200.00
10e. 10" DDC	1	ea	$ 1,500.00	$ 1,500.00
10f. 12" DDC	1	ea	$ 1,500.00	$ 1,500.00
	End of section 10 sub total		**$**	**7,200.00**
11. Single Valve Replacement on existing meters				
11a. 3" Valve	1	ea	$ 600.00	$ 600.00
11b. 4" Valve	1	ea	$ 600.00	$ 600.00
11c. 6" Valve	1	ea	$ 800.00	$ 800.00
11d. 8" Valve	1	ea	$ 800.00	$ 800.00
11e. 10" Valve	1	ea	$ 1,000.00	$ 1,000.00
11f. 12" Valve	1	ea	$ 1,000.00	$ 1,000.00
	End of section 11 sub total		**$**	**4,800.00**
12. Cut of Valves in conjunction with either new meter installation or meter replacement				
12a. Install 3" Gate Valve w/valve box	1	ea	$ 600.00	$ 600.00
12b. Install 4" Gate Valve w/valve box	1	ea	$ 600.00	$ 600.00
12c. Install 6" Gate Valve w/valve box	1	ea	$ 800.00	$ 800.00

10. Replacement of DDC Only				
10a. 3" DDC	1	ea	$ 2,673.00	$ 2,673.00
10b. 4" DDC	1	ea	$ 3,342.00	$ 3,342.00
10c. 6" DDC	1	ea	$ 4,549.00	$ 4,549.00
10d. 8" DDC	1	ea	$ 5,821.00	$ 5,821.00
10e. 10" DDC	1	ea	$ 7,933.00	$ 7,933.00
10f. 12" DDC	1	ea	$ 9,141.00	$ 9,141.00
	End of section 10 sub total		**$**	**33,459.00**
11. Single Valve Replacement on existing meters				
11a. 3" Valve	1	ea	$ 1,208.00	$ 1,208.00
11b. 4" Valve	1	ea	$ 1,449.00	$ 1,449.00
11c. 6" Valve	1	ea	$ 1,691.00	$ 1,691.00
11d. 8" Valve	1	ea	$ 2,174.00	$ 2,174.00
11e. 10" Valve	1	ea	$ 2,415.00	$ 2,415.00
11f. 12" Valve	1	ea	$ 2,657.00	$ 2,657.00
	End of section 11 sub total		**$**	**11,594.00**
12. Cut of Valves in conjunction with either new meter installation or meter replacement				
12a. Install 3" Gate Valve w/valve box	1	ea	$ 845.00	$ 845.00
12b. Install 4" Gate Valve w/valve box	1	ea	$ 966.00	$ 966.00
12c. Install 6" Gate Valve w/valve box	1	ea	$ 1,087.00	$ 1,087.00

12d. Install 8" Gate Valve w/valve box	1	ea	$ 800.00	$ 800.00
12e.Install 10" Gate Valve w/valve box	1	ea	$ 1,000.00	$ 1,000.00
12f.Install 12" Gate Valve w/valve box	1	ea	$ 100.00	$ 1,000.00
End of section 12 sub total				**$ 4,800.00**
13. Installation of Casing and Carrier Pipe				
13a. 12" Bored Casing with 0.33" wall thickness	40	lf	$ 125.00	$ 5,000.00
13b. 16" Bored Casing with 0.375" Wall thickness	40	lf	$ 150.00	$ 6,000.00
13c. 20" Bored Casing with 0.375" Wall thickness	40	lf	$ 200.00	$ 8,000.00
13d. 12" Direct Bury Casing with 0.33 Wall thickness	40	lf	$ 120.00	$ 4,800.00
13e. 16" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 150.00	$ 6,000.00
13f. 20" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 170.00	$ 6,800.00
End of section 13 sub total				**$ 36,600.00**

12d. Install 8" Gate Valve w/valve box	1	ea	$ 1,208.00	$ 1,208.00
12e.Install 10" Gate Valve w/valve box	1	ea	$ 1,328.00	$ 1,328.00
12f.Install 12" Gate Valve w/valve box	1	ea	$ 1,449.00	$ 1,449.00
End of section 12 sub total				**$ 6,883.00**
13. Installation of Casing and Carrier Pipe				
13a. 12" Bored Casing with 0.33" wall thickness	40	lf	$ 113.00	$ 4,520.00
13b. 16" Bored Casing with 0.375" Wall thickness	40	lf	$ 187.00	$ 7,480.00
13c. 20" Bored Casing with 0.375" Wall thickness	40	lf	$ 250.00	$ 10,000.00
13d. 12" Direct Bury Casing with 0.33 Wall thickness	40	lf	$ 137.00	$ 5,480.00
13e. 16" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 174.00	$ 6,960.00
13f. 20" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 211.00	$ 8,440.00
End of section 13 sub total				**$ 42,880.00**

14. Fire Hydrant Installation, Relocation and Height Adjustment in Conjunction with meter Installation and replacement.				
14a. Fire Hydrant Installation (0 - 41/2 bury depth)	1	ea	$ 2,000.00	$ 2,000.00
14b. Fire Hydrant Relocation (0-20' distance from existing hydrant	1	ea	$ 1,000.00	$ 1,000.00
14c. Install 6" Fire Hydrant Extension	1	ea	$ 300.00	$ 300.00
14d. Install 12" Fire Hydrant Extension	1	ea	$ 300.00	$ 300.00
14e. Install 18" Fire Hydrant Extension	1	ea	$ 400.00	$ 400.00
14f. Install 24" Fire Hydrant Extension	1	ea	$ 500.00	$ 500.00
14g. Install 36" Fire Hydrant Extension	1	ea	$ 500.00	$ 500.00
End of section 14 sub total			**$**	**5,000.00**

15. Wet Tapping, valve and Valve Box in conjunction with either new meter installation or meter replacement				
15a. 6" x 6"	1	ea	$ 3,000.00	$ 3,000.00
15b. 6" x 8"	1	ea	$ 3,250.00	$ 3,250.00
15c. 6" x 10"	1	ea	$ 3,250.00	$ 3,250.00
15d. 6" x 12"	1	ea	$ 3,500.00	$ 3,500.00
15e. 6" x 16"	1	ea	$ 6,000.00	$ 6,000.00
15f. 6" x 24"	1	ea	$ 7,000.00	$ 7,000.00
15g. 8" x 8"	1	ea	$ 2,500.00	$ 2,500.00
15h. 8" x 10"	1	ea	$ 2,750.00	$ 2,750.00
15i. 8" x 12"	1	ea	$ 3,000.00	$ 3,000.00
15j. 8" x 16"	1	ea	$ 5,000.00	$ 5,000.00

14. Fire Hydrant Installation, Relocation and Height Adjustment in Conjunction with meter Installation and replacement.				
14a. Fire Hydrant Installation (0 - 41/2 bury depth)	1	ea	$ 4,395.00	$ 4,395.00
14b. Fire Hydrant Relocation (0-20' distance from existing hydrant	1	ea	$ 1,224.00	$ 1,224.00
14c. Install 6" Fire Hydrant Extension	1	ea	$ 733.00	$ 733.00
14d. Install 12" Fire Hydrant Extension	1	ea	$ 798.00	$ 798.00
14e. Install 18" Fire Hydrant Extension	1	ea	$ 862.00	$ 862.00
14f. Install 24" Fire Hydrant Extension	1	ea	$ 927.00	$ 927.00
14g. Install 36" Fire Hydrant Extension	1	ea	$ 991.00	$ 991.00
End of section 14 sub total			**$**	**9,930.00**

15. Wet Tapping, valve and Valve Box in				
15a. 6" x 6"	1	ea	$ 3,721.00	$ 3,721.00
15b. 6" x 8"	1	ea	$ 3,879.00	$ 3,879.00
15c. 6" x 10"	1	ea	$ 5,071.00	$ 5,071.00
15d. 6" x 12"	1	ea	$ 5,192.00	$ 5,192.00
15e. 6" x 16"	1	ea	$ 6,858.00	$ 6,858.00
15f. 6" x 24"	1	ea	$ 8,415.00	$ 8,415.00
15g. 8" x 8"	1	ea	$ 4,334.00	$ 4,334.00
15h. 8" x 10"	1	ea	$ 5,345.00	$ 5,345.00
15i. 8" x 12"	1	ea	$ 5,230.00	$ 5,230.00
15j. 8" x 16"	1	ea	$ 4,693.00	$ 4,693.00

15k. 8" x 24"	1	ea	$ 7,000.00	$ 7,000.00
15l. 10" x 10"	1	ea	$ 2,400.00	$ 2,400.00
15m. 10" x 12"	1	ea	$ 2,600.00	$ 2,600.00
15n. 10"x 16"	1	ea	$ 4,600.00	$ 4,600.00
15o. 10" x 24"	1	ea	$ 5,400.00	$ 5,400.00
15p. 12" x 12"	1	ea	$ 3,000.00	$ 3,000.00
15q. 12" x 16"	1	ea	$ 5,000.00	$ 5,000.00
15r. 12" x 24"	1	ea	$ 7,000.00	$ 7,000.00
	End of section 15 sub total		**$**	**76,250.00**
16. Concrete Thrust block installation in conjunction with either new meter installation or meter replacement				
16a. Concrete Thrust Block	1	cu yd	$ 500.00	$ 500.00
	End of section 16 sub total		**$**	**500.00**

15k. 8" x 24"	1	ea	$ 7,624.00	$ 7,624.00
15l. 10" x 10"	1	ea	$ 8,831.00	$ 8,831.00
15m. 10" x 12"	1	ea	$ 4,967.00	$ 4,967.00
15n. 10"x 16"	1	ea	$ 5,088.00	$ 5,088.00
15o. 10" x 24"	1	ea	$ 5,467.00	$ 5,467.00
15p. 12" x 12"	1	ea	$ 9,973.00	$ 9,973.00
15q. 12" x 16"	1	ea	$ 11,979.00	$ 11,979.00
15r. 12" x 24"	1	ea	$ 14,200.00	$ 14,200.00
	End of section 15 sub total		**$**	**120,867.00**
16. Concrete Thrust block installation in conjunction with either new meter installation or meter replacement				
16a. Concrete Thrust Block	1	cu yd	$ 508.00	$ 508.00
	End of section 16 sub total		**$**	**508.00**

MISC. SERVICES IN CONJUNCTION WITH METER INSTALLATION				
17. Concrete & Asphalt sidewalks, driveways, curbs and gutters and street and road pavement replacement and finish in conjunction with either new meter installation or meter replacement.				
17a. Remove and replace curb				
i. Concrete Curb	100	lf	$ 30.00	$ 3,000.00
iii. Granite Curb	10	lf	$ 50.00	$ 500.00
17b. Remove and replace driveway				
i. Concrete Driveway	100	lf	$ 5.00	$ 500.00
ii. Asphalt Driveway	60	lf	$ 5.00	$ 300.00
iii. Gravel Driveway	20	lf	$ 5.00	$ 100.00
iv. Decorative Paver	10	lf	$ 25.00	$ 250.00
v. Brick Driveway	10	lf	$ 20.00	$ 200.00
17c. Concrete Sidewalk				
i. Remove and replace sidewalk	100	lf	$ 10.00	$ 1,000.00
17d. Remove and replace pavement				
i. Concrete Pavement	100	lf	$ 5.00	$ 500.00
ii. Asphalt Pavement	100	lf	$ 5.00	$ 500.00
iii. FC Standard Utility Cut Replacement	100	lf	$ 20.00	$ 2,000.00
iv. 11/2 in Type "E" Asphalt Topping	100	lf	$ 5.00	$ 500.00
End of section 17 sub total			**$**	**9,350.00**
18. Labor and equipment in conjunction with either new meter installation or meter replacement (for items not included in bid sheets)				
18a. Three Man Crew and equipment	8	hr	$ 250.00	$ 2,000.00
18b. One Man Crew and equipment	8	hr	$ 125.00	$ 1,000.00
18c. Supervisor	8	hr	$ 80.00	$ 640.00
18d. Weekend and Holiday 3 personnel & Equip	8	hr	$ 400.00	$ 3,200.00
18e. Weekend and Holiday 1 personnel	8	hr	$ 180.00	$ 1,440.00

MISC. SERVICES IN CONJUNCTION WITH METER INSTALLATION				
17. Concrete & Asphalt sidewalks, driveways, curbs and gutters and				
17a. Remove and replace curb				
i. Concrete Curb	100	lf	$ 30.00	$ 3,000.00
iii. Granite Curb	10	lf	$ 72.00	$ 720.00
17b. Remove and replace driveway				
i. Concrete Driveway	100	lf	$ 12.00	$ 1,200.00
ii. Asphalt Driveway	60	lf	$ 11.00	$ 660.00
iii. Gravel Driveway	20	lf	$ 6.00	$ 120.00
iv. Decorative Paver	10	lf	$ 24.00	$ 240.00
v. Brick Driveway	10	lf	$ 24.00	$ 240.00
17c. Concrete Sidewalk				
i. Remove and replace sidewalk	100	lf	$ 11.00	$ 1,100.00
17d. Remove and replace pavement				
i. Concrete Pavement	100	lf	$ 12.00	$ 1,200.00
ii. Asphalt Pavement	100	lf	$ 12.00	$ 1,200.00
iii. FC Standard Utility Cut Replacement	100	lf	$ 18.00	$ 1,800.00
iv. 11/2 in Type "E" Asphalt Topping	100	lf	$ 4.00	$ 400.00
End of section 17 sub total			**$**	**11,880.00**
18. Labor and equipment in conjunction with either new meter installation or meter replacement (for items not included in bid sheets)				
18a. Three Man Crew and equipment	8	hr	$ 362.00	$ 2,896.00
18b. One Man Crew and equipment	8	hr	$ 181.00	$ 1,448.00
18c. Supervisor	8	hr	$ 78.00	$ 624.00
18d. Weekend and Holiday 3 personnel & Equip	8	hr	$ 604.00	$ 4,832.00
18e. Weekend and Holiday 1 personnel	8	hr	$ 302.00	$ 2,416.00

& Equip				
18f. Weekend and Holiday supervisor	8	hr	$ 100.00	$ 800.00
End of section 18 sub total				**$ 9,080.00**
19. Erosion and sediment control (for items not included in bid sheets)				
19a. Temporary Grassing	1000	sf	$ 1.00	$ 1,000.00
19b. Type "A" Slit Fence	100	lf	$ 2.00	$ 200.00
19c. Type "B" Slit Fence	100	lf	$ 2.00	$ 200.00
19d. Type "C" Slit Fence	100	lf	$ 2.00	$ 200.00
19e. Haybales	10	ea	$ 2.00	$ 20.00
19f. Dirt Bag (slit control pumping system)	1	ea	$ 10.00	$ 10.00
End of section 19 sub total				**$ 1,630.00**
20. Tree protection (for items not included in bid sheets)				
20a. Tree Protection Fence (active)	100	lf	$ 2.00	$ 200.00
20b. Tree Protection Fence (passive)	100	lf	$ 2.00	$ 200.00
End of section 20 sub total				**$ 400.00**

& Equip				
18f. Weekend and Holiday supervisor	8	hr	$ 127.00	$ 1,016.00
End of section 18 sub total				**$ 13,232.00**
19. Erosion and sediment control (for items not included in bid sheets)				
19a. Temporary Grassing	1000	sf	$ 1.00	$ 1,000.00
19b. Type "A" Slit Fence	100	lf	$ 3.00	$ 300.00
19c. Type "B" Slit Fence	100	lf	$ 4.00	$ 400.00
19d. Type "C" Slit Fence	100	lf	$ 6.00	$ 600.00
19e. Haybales	10	ea	$ 14.00	$ 140.00
19f. Dirt Bag (slit control pumping system)	1	ea	$ 388.00	$ 388.00
End of section 19 sub total				**$ 2,828.00**
20. Tree protection (for items not included in bid sheets)				
20a. Tree Protection Fence (active)	100	lf	$ 6.00	$ 600.00
20b. Tree Protection Fence (passive)	100	lf	$ 4.00	$ 400.00
End of section 20 sub total				**$ 1,000.00**

21. Tree removal (for items not included in bid sheets)						
21a. Tree Removal, easy access	100	in	$	20.00	$	2,000.00
21b. Tree Removial, difficult access	100	in	$	30.00	$	3,000.00
			End of section 21 sub total		$	5,000.00
22. Rock excavation (for items not included in bid sheets)						
22a. Excavation and Removal of Rock (Associated with work under this contract small amounts)	1	cy	$	500.00	$	500.00
			End of section 22 sub total		$	500.00
23. Trench stabilization (for items not included in bid sheets)						
23a. Suitable earth materials (borrow)	10	cy	$	20.00	$	200.00
23b. Crusher run	10	cy	$	30.00	$	300.00
23c. Crushed stone, no. 57	10	cy	$	32.00	$	320.00
23d. M-10 Sand	10	cy	$	30.00	$	300.00
			End of section 23 sub total		$	1,120.00
24. Remove and replace existing fence						
24a. 4-ft High chain link	100	lf	$	10.00	$	1,000.00
24b. 6-ft High chain link	100	lf	$	10.00	$	1,000.00
24c. 4-ft High wood	100	lf	$	12.00	$	1,200.00
24d. 6-ft High wood	100	lf	$	15.00	$	1,500.00
			End of section 24 sub total		$	4,700.00
			Bid Total		$	935,080.00

21. Tree removal (for items not included in bid sheets)						
21a. Tree Removal, easy access	100	in	$	66.00	$	6,600.00
21b. Tree Removial, difficult access	100	in	$	97.00	$	9,700.00
			End of section 21 sub total		$	16,300.00
22. Rock excavation (for items not included in bid sheets)						
22a. Excavation and Removal of Rock (Associated with work under this contract small amounts)	1	cy	$	845.00	$	845.00
			End of section 22 sub total		$	845.00
23. Trench stabilization (for items not included in bid sheets)						
23a. Suitable earth materials (borrow)	10	cy	$	26.00	$	260.00
23b. Crusher run	10	cy	$	32.00	$	320.00
23c. Crushed stone, no. 57	10	cy	$	32.00	$	320.00
23d. M-10 Sand	10	cy	$	32.00	$	320.00
			End of section 23 sub total		$	1,220.00
24. Remove and replace existing fence						
24a. 4-ft High chain link	100	lf	$	8.00	$	800.00
24b. 6-ft High chain link	100	lf	$	14.00	$	1,400.00
24c. 4-ft High wood	100	lf	$	18.00	$	1,800.00
24d. 6-ft High wood	100	lf	$	22.00	$	2,200.00
			End of section 24 sub total		$	6,200.00
			Bid Total		$	999,115.00

Kemi Construction Co.

1. New Installation of Large meter including vaults, valves & bypass piping

Description	Qty	Base Unit		Total	
1a. 3" meter	21	ea	$ 2,900.00	$	60,900.00
1d. 4" meter	08	ea	$ 3,800.00	$	30,400.00
1c. 6" meter	12	ea	$ 5,000.00	$	60,000.00
1d. 8" meter	08	ea	$ 7,000.00	$	56,000.00
1e. 10" meter	01	ea	$ 7,500.00	$	7,500.00
		End of section 1 sub total		**$**	**214,800.00**
2. New Installation of 3/4" to 2" meters and tap in conjuction with new large meter or double detector check installation only					
2a. 3/4 or 1" tap and meter installation	01	ea	$ 1,000.00	$	1,000.00
2b. 1 1/2 or 2" tap and meter installation	01	ea	$ 1,800.00	$	1,800.00
2c. 3/4" copper tubing installation after 15 ft	30	lf	$ 10.00	$	300.00
2d. 1 Copper tubing installation after 15 ft	30	lf	$ 15.00	$	450.00
2e. 1 1/2" copper tubing installation after 15 ft	30	lf	$ 20.00	$	600.00
2f. 2" copper tubing installation 15 ft	30	lf	$ 27.00	$	810.00
		End of section 2 sub total		**$**	**4,960.00**
3. Replacement of large meters only					
3a. 3" meter	15	ea	$ 800.00	$	12,000.00
3b. 4" meter	10	ea	$ 1,000.00	$	10,000.00
3c. 6" meter	15	ea	$ 1,200.00	$	18,000.00
3d. 8" meter	15	ea	$ 1,200.00	$	18,000.00

Steele & Associates

1. New Installation of Large meter including vaults, valves & bypass piping

Description	Qty	Base Unit		Total	
1a. 3" meter	21	ea	$ 4,940.00	$	103,740.00
1d. 4" meter	08	ea	$ 5,420.00	$	43,360.00
1c. 6" meter	12	ea	$ 7,000.00	$	84,000.00
1d. 8" meter	08	ea	$ 8,070.00	$	64,560.00
1e. 10" meter	01	ea	$ 10,770.00	$	10,770.00
		End of section 1 sub total		**$**	**306,430.00**
2. New Installation of 3/4" to 2" meters and tap in conjuction with new large meter or double detector check installation only					
2a. 3/4 or 1" tap and meter installation	01	ea	$ 1,420.00	$	1,420.00
2b. 1 1/2 or 2" tap and meter installation	01	ea	$ 1,775.00	$	1,775.00
2c. 3/4" copper tubing installation after 15 ft	30	lf	$ 28.00	$	840.00
2d. 1 Copper tubing installation after 15 ft	30	lf	$ 31.00	$	930.00
2e. 1 1/2" copper tubing installation after 15 ft	30	lf	$ 35.00	$	1,050.00
2f. 2" copper tubing installation 15 ft	30	lf	$ 42.00	$	1,260.00
		End of section 2 sub total		**$**	**7,275.00**
3. Replacement of large meters only					
3a. 3" meter	15	ea	$ 1,570.00	$	23,550.00
3b. 4" meter	10	ea	$ 1,640.00	$	16,400.00
3c. 6" meter	15	ea	$ 1,770.00	$	26,550.00
3d. 8" meter	15	ea	$ 2,590.00	$	38,850.00

3e. 10" meter	1	ea	$ 1,500.00	$	1,500.00
End of section 3 sub total				**$**	**59,500.00**
4. Replacement of large meter including vaults, Valves, & bypass piping					
4a. 3" meter vault valve bypass	1	ea	$ 7,500.00	$	7,500.00
4b. Meter, vault valve, bypass	1	ea	$ 7,500.00	$	7,500.00
4c. 6" meter, vault, valves, bypass	15	ea	$ 6,000.00	$	90,000.00
4d. 8" meter. Vault valves, bypass	15	ea	$ 7,500.00	$	112,500.00
4e. 10" meter, vault valve, bypass	1	ea	$ 8,000.00	$	8,000.00
End of section 4 sub total				**$**	**225,500.00**
5. Replacement of large meters including valves & bypass piping					
5a. 3" meter, valves bypass	1	ea	$ 4,000.00	$	4,000.00
5b. 4" meter, valves bypass	1	ea	$ 4,000.00	$	4,000.00
5c. 6" meter , valves bypass	15	ea	$ 3,500.00	$	52,500.00
5d. 8" meter, valves bypass	15	ea	$ 4,000.00	$	60,000.00
5e. 10" meter, valves bypass	1	ea	$ 4,500.00	$	4,500.00
End of section 5 sub total				**$**	**125,000.00**
6. Pipe Installation in conjunction with large meter installlation					
6a. Installing 6" Ductile Iron Pipe	100	lf	$ 50.00	$	5,000.00
6b. Installing 8" Ductile Iron Pipe	100	lf	$ 60.00	$	6,000.00
6c. Installing 10" Ductile Iron pipe	100	lf	$ 60.00	$	6,000.00
6d. Installing 12" Ductile Iron Pipe	100	lf	$ 95.00	$	9,500.00
End of section 6 sub total				**$**	**26,500.00**
7. Meter Vault & Lid Replacement					
7a. Medium, vault 108" x 60" inside dimension	1	ea	$ 7,500.00	$	7,500.00

3e. 10" meter	1	ea	$ 3,540.00	$	3,540.00
End of section 3 sub total				**$**	**108,890.00**
4. Replacement of large meter including vaults, Valves, & bypass piping					
4a. 3" meter vault valve bypass	1	ea	$ 5,600.00	$	5,600.00
4b. Meter, vault valve, bypass	1	ea	$ 6,100.00	$	6,100.00
4c. 6" meter, vault, valves, bypass	15	ea	$ 7,700.00	$	115,500.00
4d. 8" meter. Vault valves, bypass	15	ea	$ 9,000.00	$	135,000.00
4e. 10" meter, vault valve, bypass	1	ea	$ 11,800.00	$	11,800.00
End of section 4 sub total				**$**	**274,000.00**
5. Replacement of large meters including valves & bypass piping					
5a. 3" meter, valves bypass	1	ea	$ 4,000.00	$	4,000.00
5b. 4" meter, valves bypass	1	ea	$ 4,500.00	$	4,500.00
5c. 6" meter , valves 5d. 8" meter, valves bypass	15	ea	$ 7,000.00	$	105,000.00
5e. 10" meter, valves					
End of section 5 sub total				**$**	**113,500.00**
6. Pipe Installation in conjunction with large meter installlation					
6a. Installing 6" Ductile Iron Pipe	100	lf	$ 48.00	$	4,800.00
6b. Installing 8" Ductile Iron Pipe	100	lf	$ 53.00	$	5,300.00
6c. Installing 10" Ductile Iron pipe	100	lf	$ 63.00	$	6,300.00
6d. Installing 12" Ductile Iron Pipe	100	lf	$ 73.00	$	7,300.00
End of section 6 sub total				**$**	**23,700.00**
7. Meter Vault & Lid Replacement					
7a. Medium, vault 108" x 60" inside dimension	1	ea	$ 5,350.00	$	5,350.00

7b. Large Vault, 144" x 72" inside dimension	1	ea	$ 7,500.00	$ 7,500.00
	End of section 7 sub total			$ 15,000.00
8. Meter and Double Detector Check (DDC) Vault Adjustment				
8a. Medium Vault adjustment to grade (up)	1	vf	$ 3,500.00	$ 3,500.00
8b. Large Vault adjustment to grade up	1	vf	$ 4,000.00	$ 4,000.00
	End of section 8 sub total			$ 7,500.00
9. New Installation of DDC, Vault and Valves				
9a. 3" DDC	1	ea	$ 5,000.00	$ 5,000.00
9b. 4" DDC	1	ea	$ 5,000.00	$ 5,000.00
9c. 6" DDC	1	ea	$ 5,000.00	$ 5,000.00
9d. 8" DDC	1	ea	$ 6,000.00	$ 6,000.00
9e. 10" DDC	1	ea	$ 6,000.00	$ 6,000.00
9f. 12" DDC	1	ea	$ 6,000.00	$ 6,000.00
	End of section 9 sub total			$ 33,000.00
10. Replacement of DDC Only				
10a. 3" DDC	1	ea	$ 1,500.00	$ 1,500.00
10b. 4" DDC	1	ea	$ 1,500.00	$ 1,500.00
10c. 6" DDC	1	ea	$ 1,800.00	$ 1,800.00
10d. 8" DDC	1	ea	$ 3,000.00	$ 3,000.00
10e. 10" DDC	1	ea	$ 3,000.00	$ 3,000.00
10f. 12" DDC	1	ea	$ 5,000.00	$ 5,000.00
	End of section 10 sub total			$ 15,800.00
11. Single Valve Replacement on existing meters				
11a. 3" Valve	1	ea	$ 1,500.00	$ 1,500.00

7b. Large Vault, 144" x 72" inside dimension	1	ea	$ 7,100.00	$ 7,100.00
	End of section 7 sub total			$ 12,450.00
8. Meter and Double Detector Check (DDC) Vault Adjustment				
8a. Medium Vault adjustment to grade (up)	1	vf	$ 3,000.00	$ 3,000.00
8b. Large Vault adjustment to grade up	1	vf	$ 4,000.00	$ 4,000.00
	End of section 8 sub total			$ 7,000.00
9. New Installation of DDC, Vault and Valves				
9a. 3" DDC	1	ea	$ 5,100.00	$ 5,100.00
9b. 4" DDC	1	ea	$ 5,600.00	$ 5,600.00
9c. 6" DDC	1	ea	$ 7,200.00	$ 7,200.00
9d. 8" DDC	1	ea	$ 8,500.00	$ 8,500.00
9e. 10" DDC	1	ea	$ 11,300.00	$ 11,300.00
9f. 12" DDC	1	ea	$ 13,000.00	$ 13,000.00
	End of section 9 sub total			$ 50,700.00
10. Replacement of DDC Only				
10a. 3" DDC	1	ea	$ 2,250.00	$ 2,250.00
10b. 4" DDC	1	ea	$ 2,400.00	$ 2,400.00
10c. 6" DDC	1	ea	$ 2,800.00	$ 2,800.00
10d. 8" DDC	1	ea	$ 3,200.00	$ 3,200.00
10e. 10" DDC	1	ea	$ 3,700.00	$ 3,700.00
10f. 12" DDC	1	ea	$ 4,000.00	$ 4,000.00
	End of section 10 sub total			$ 18,350.00
11. Single Valve Replacement on existing meters				
11a. 3" Valve	1	ea	$ 1,970.00	$ 1,970.00

11b. 4" Valve	1	ea	$ 2,000.00	$ 2,000.00
11c. 6" Valve	1	ea	$ 2,500.00	$ 2,500.00
11d. 8" Valve	1	ea	$ 2,500.00	$ 2,500.00
11e. 10" Valve	1	ea	$ 2,500.00	$ 2,500.00
11f. 12" Valve	1	ea	$ 5,000.00	$ 5,000.00
End of section 11 sub total			**$**	**16,000.00**
12. Cut of Valves in conjunction with either new meter installation or meter replacement				
12a. Install 3" Gate Valve w/valve box	1	ea	$ 2,500.00	$ 2,500.00
12b. Install 4" Gate Valve w/valve box	1	ea	$ 2,500.00	$ 2,500.00
12c. Install 6" Gate Valve w/valve box	1	ea	$ 3,000.00	$ 3,000.00
12d. Install 8" Gate Valve w/valve box	1	ea	$ 3,000.00	$ 3,000.00
12e.Install 10" Gate Valve w/valve box	1	ea	$ 3,000.00	$ 3,000.00
12f.Install 12" Gate Valve w/valve box	1	ea	$ 3,500.00	$ 3,500.00
End of section 12 sub total			**$**	**17,500.00**
13. Installation of Casing and Carrier Pipe				
13a. 12" Bored Casing with 0.33" wall thickness	40	lf	$ 150.00	$ 6,000.00
13b. 16" Bored Casing with 0.375" Wall thickness	40	lf	$ 175.00	$ 7,000.00
13c. 20" Bored Casing with 0.375" Wall thickness	40	lf	$ 175.00	$ 7,000.00
13d. 12" Direct Bury Casing with 0.33 Wall thickness	40	lf	$ 120.00	$ 4,800.00
13e. 16" Direct Bury Casing with	40	lf	$ 150.00	$ 6,000.00

11b. 4" Valve	1	ea	$ 2,070.00	$ 2,070.00
11c. 6" Valve	1	ea	$ 2,360.00	$ 2,360.00
11d. 8" Valve	1	ea	$ 2,790.00	$ 2,790.00
11e. 10" Valve	1	ea	$ 3,000.00	$ 3,000.00
11f. 12" Valve	1	ea	$ 3,290.00	$ 3,290.00
End of section 11 sub total			**$**	**15,480.00**
12. Cut of Valves in conjunction with either new meter installation or meter replacement				
12a. Install 3" Gate Valve w/valve box	1	ea	$ 1,600.00	$ 1,600.00
12b. Install 4" Gate Valve w/valve box	1	ea	$ 1,600.00	$ 1,600.00
12c. Install 6" Gate Valve w/valve box	1	ea	$ 1,690.00	$ 1,690.00
12d. Install 8" Gate Valve w/valve box	1	ea	$ 1,830.00	$ 1,830.00
12e.Install 10" Gate Valve w/valve box	1	ea	$ 2,660.00	$ 2,660.00
12f.Install 12" Gate Valve w/valve box	1	ea	$ 2,800.00	$ 2,800.00
End of section 12 sub total			**$**	**12,180.00**
13. Installation of Casing and Carrier Pipe				
13a. 12" Bored Casing with 0.33" wall thickness	40	lf	$ 270.00	$ 10,800.00
13b. 16" Bored Casing with 0.375" Wall thickness	40	lf	$ 440.00	$ 17,600.00
13c. 20" Bored Casing with 0.375" Wall thickness	40	lf	$ 550.00	$ 22,000.00
13d. 12" Direct Bury Casing with 0.33 Wall thickness	40	lf	$ 240.00	$ 9,600.00
13e. 16" Direct Bury Casing with	40	lf	$ 300.00	$ 12,000.00

0.375" Wall thickness					
13f. 20" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 150.00	$	6,000.00
End of section 13 sub total				**$**	**36,800.00**
14. Fire Hydrant Installation, Relocation and Height Adjustment in Conjunction with meter Installation and replacement.					
14a. Fire Hydrant Installation (0 - 41/2 bury depth)	1	ea	$ 5,000.00	$	5,000.00
14b. Fire Hydrant Relocation (0-20' distance from existing hydrant	1	ea	$ 1,500.00	$	1,500.00
14c. Install 6" Fire Hydrant Extension	1	ea	$ 1,000.00	$	1,000.00
14d. Install 12" Fire Hydrant Extension	1	ea	$ 1,000.00	$	1,000.00
14e. Install 18" Fire Hydrant Extension	1	ea	$ 1,000.00	$	1,000.00
14f. Install 24" Fire Hydrant Extension	1	ea	$ 1,500.00	$	1,500.00
14g. Install 36" Fire Hydrant Extension	1	ea	$ 2,000.00	$	2,000.00
End of section 14 sub total				**$**	**13,000.00**
15. Wet Tapping, valve					
15a. 6" x 6"	1	ea	$ 2,000.00	$	2,000.00
15b. 6" x 8"	1	ea	$ 2,000.00	$	2,000.00
15c. 6" x 10"	1	ea	$ 2,000.00	$	2,000.00
15d. 6" x 12"	1	ea	$ 2,000.00	$	2,000.00
15e. 6" x 16"	1	ea	$ 2,000.00	$	2,000.00
15f. 6" x 24"	1	ea	$ 2,000.00	$	2,000.00
15g. 8" x 8"	1	ea	$ 5,000.00	$	5,000.00
15h. 8" x 10"	1	ea	$ 2,500.00	$	2,500.00
15i. 8" x 12"	1	ea	$ 5,000.00	$	5,000.00
15j. 8" x 16"	1	ea	$ 5,000.00	$	5,000.00

0.375" Wall thickness					
13f. 20" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 360.00	$	14,400.00
End of section 13 sub total				$	86,400.00
14. Fire Hydrant Installation, Relocation and Height Adjustment in Conjunction with meter Installation and replacement.					
14a. Fire Hydrant Installation (0 - 41/2 bury depth)	1	ea	$ 4,780.00	$	4,780.00
14b. Fire Hydrant Relocation (0-20' distance from existing hydrant	1	ea	$ 4,420.00	$	4,420.00
14c. Install 6" Fire Hydrant Extension	1	ea	$ 1,280.00	$	1,280.00
14d. Install 12" Fire Hydrant Extension	1	ea	$ 1,280.00	$	1,280.00
14e. Install 18" Fire Hydrant Extension	1	ea	$ 1,700.00	$	1,700.00
14f. Install 24" Fire Hydrant Extension	1	ea	$ 1,700.00	$	1,700.00
14g. Install 36" Fire Hydrant Extension	1	ea	$ 2,100.00	$	2,100.00
End of section 14 sub total				**$**	**17,260.00**
15. Wet Tapping, valve					
15a. 6" x 6"	1	ea	$ 3,500.00	$	3,500.00
15b. 6" x 8"	1	ea	$ 3,700.00	$	3,700.00
15c. 6" x 10"	1	ea	$ 4,600.00	$	4,600.00
15d. 6" x 12"	1	ea	$ 4,700.00	$	4,700.00
15e. 6" x 16"	1	ea	$ 8,300.00	$	8,300.00
15f. 6" x 24"	1	ea	$ 11,600.00	$	11,600.00
15g. 8" x 8"	1	ea	$ 4,300.00	$	4,300.00
15h. 8" x 10"	1	ea	$ 5,400.00	$	5,400.00
15i. 8" x 12"	1	ea	$ 5,400.00	$	5,400.00
15j. 8" x 16"	1	ea	$ 8,600.00	$	8,600.00

15k. 8" x 24"	1	ea	$	2,000.00	$	2,000.00
15l. 10" x 10"	1	ea	$	2,000.00	$	2,000.00
15m. 10" x 12"	1	ea	$	2,000.00	$	2,000.00
15n. 10"x 16"	1	ea	$	2,000.00	$	2,000.00
15o. 10" x 24"	1	ea	$	5,000.00	$	5,000.00
15p. 12" x 12"	1	ea	$	5,000.00	$	5,000.00
15q. 12" x 16"	1	ea	$	6,000.00	$	6,000.00
15r. 12" x 24"	1	ea	$	8,000.00	$	8,000.00
End of section 15 sub total					**$**	**61,500.00**
16. Concrete Thrust						
16a. Concrete Thrust Block	1	cu yc	$	250.00	$	250.00
End of section 16 sub total					**$**	**250.00**
MISC SERVICES IN CONJUNCTION WITH METER INSTALLATION						
17. Concrete & Asphalt sidewalks, driveways, curbs and gutters and street and Road pavement replacement and finish inconjunction with either new meter installation or meter replacement						
17a. Remove and replace curb						
i. Concrete Curb	100	lf	$	30.00	$	3,000.00
iii. Granite Curb	10	lf	$	100.00	$	1,000.00
17b. Remove and replace driveway						
i. Concrete Driveway	100	lf	$	9.00	$	900.00
ii. Asphalt Driveway	60	lf	$	9.00	$	540.00
iii. Gravel Driveway	20	lf	$	5.00	$	100.00
iv. Decorative Paver	10	lf	$	15.00	$	150.00
v. Brick Driveway	10	lf	$	15.00	$	150.00
17c. Concrete Sidewalk						
i. Remove and replace sidewalk	100	lf	$	10.00	$	1,000.00
17d. Remove and replace pavement						
i. Concrete Pavement	100	lf	$	10.00	$	1,000.00
ii. Asphalt Pavement	100	lf	$	10.00	$	1,000.00
iii. FC Standard Utility Cut Replacement	100	lf	$	12.00	$	1,200.00
iv. 11/2 in Type "E" Asphalt	100	lf	$	10.00	$	1,000.00

15k. 8" x 24"	1	ea	$	10,200.00	$	10,200.00
15l. 10" x 10"	1	ea	$	6,100.00	$	6,100.00
15m. 10" x 12"	1	ea	$	6,300.00	$	6,300.00
15n. 10"x 16"	1	ea	$	9,600.00	$	9,600.00
15o. 10" x 24"	1	ea	$	12,900.00	$	12,900.00
15p. 12" x 12"	1	ea	$	7,600.00	$	7,600.00
15q. 12" x 16"	1	ea	$	9,700.00	$	9,700.00
15r. 12" x 24"	1	ea	$	14,400.00	$	14,400.00
End of section 15 sub total					**$**	**136,900.00**
16. Concrete Thrust						
16a. Concrete Thrust Block	1	cu yd	$	600.00	$	600.00
End of section 16 sub total					**$**	**600.00**
MISC SERVICES IN CONJUNCTION WITH METER INSTALLATION						
17. Concrete & Asphalt sidewalks, driveways, curbs and gutters and street and Road pavement replacement and finish inconjunction with either new meter installation or meter replacement						
17a. Remove and replace curb						
i. Concrete Curb	100	lf	$	60.00	$	6,000.00
iii. Granite Curb	10	lf	$	80.00	$	800.00
17b. Remove and replace driveway						
i. Concrete Driveway	100	lf	$	12.00	$	1,200.00
ii. Asphalt Driveway	60	lf	$	11.00	$	660.00
iii. Gravel Driveway	20	lf	$	4.00	$	80.00
iv. Decorative Paver	10	lf	$	16.00	$	160.00
v. Brick Driveway	10	lf	$	16.00	$	160.00
17c. Concrete Sidewalk						
i. Remove and replace sidewalk	100	lf	$	12.00	$	1,200.00
17d. Remove and replace pavement						
i. Concrete Pavement	100	lf	$	14.00	$	1,400.00
ii. Asphalt Pavement	100	lf	$	13.00	$	1,300.00
iii. FC Standard Utility Cut Replacement	100	lf	$	13.00	$	1,300.00
iv. 11/2 in Type "E" Asphalt	100	lf	$	5.00	$	500.00

Topping					
End of section 17 sub total				**$**	**11,040.00**
8. Labor and equipment in conjunction with either new meter installation or meter replacement (for items not included in bid sheets)					
18a. Three Man Crew and equipment	8	hr	$ 400.00	$	3,200.00
18b. One Man Crew and equipment	8	hr	$ 300.00	$	2,400.00
18c. Supervisor	8	hr	$ 50.00	$	400.00
18d. Weekend and Holiday 3 personnel & Equip	8	hr	$ 400.00	$	3,200.00
18e. Weekend and Holiday 1 personnel & Equip	8	hr	$ 300.00	$	2,400.00
18f. Weekend and Holiday supervisor	8	hr	$ 65.00	$	520.00
End of section 18 sub total				**$**	**12,120.00**
19. Erosion and sediment control (for items not included in bid sheets)					
19a. Temporary Grassing	1000	sf	$ 0.75	$	750.00
19b. Type "A" Slit Fence	100	lf	$ 3.00	$	300.00
19c. Type "B" Slit Fence	100	lf	$ 4.00	$	400.00
19d. Type "C" Slit Fence	100	lf	$ 5.00	$	500.00
19e. Haybales	10	ea	$ 20.00	$	200.00
19f. Dirt Bag (slit control pumping system)	1	ea	$ 30.00	$	30.00
End of section 19 sub total				**$**	**2,180.00**
20. Tree protection (for items not included in bid sheets)					
20a. Tree Protection Fence (active)	100	lf	$ 3.00	$	300.00
20b. Tree Protection Fence (passive)	100	lf	$ 3.00	$	300.00

Topping					
End of section 17 sub total				**$**	**14,760.00**
8. Labor and equipment in conjunction with either new meter installation or meter replacement (for items not included in bid sheets)					
18a. Three Man Crew and equipment	8	hr	$ 200.00	$	1,600.00
18b. One Man Crew and equipment	8	hr	$ 120.00	$	960.00
18c. Supervisor	8	hr	$ 50.00	$	400.00
18d. Weekend and Holiday 3 personnel & Equip	8	hr	$ 270.00	$	2,160.00
18e. Weekend and Holiday 1 personnel & Equip	8	hr	$ 150.00	$	1,200.00
18f. Weekend and Holiday supervisor	8	hr	$ 90.00	$	720.00
End of section 18 sub total				**$**	**7,040.00**
19. Erosion and sediment control (for items not included in bid sheets)					
19a. Temporary Grassing	1000	sf	$ 1.00	$	1,000.00
19b. Type "A" Slit Fence	100	lf	$ 2.00	$	200.00
19c. Type "B" Slit Fence	100	lf	$ 3.00	$	300.00
19d. Type "C" Slit Fence	100	lf	$ 4.00	$	400.00
19e. Haybales	10	ea	$ 7.00	$	70.00
19f. Dirt Bag (slit control pumping system)	1	ea	$ 600.00	$	600.00
End of section 19 sub total				**$**	**2,570.00**
20. Tree protection (for items not included in bid sheets)					
20a. Tree Protection Fence (active)	100	lf	$ 6.00	$	600.00
20b. Tree Protection Fence (passive)	100	lf	$ 6.00	$	600.00

			End of section 20 sub total	$	600.00

21. Tree removal (for items not included in bid sheets)					
21a. Tree Removal, easy access	100	in	$ 95.00	$	9,500.00
21b. Tree Removial, difficult access	100	in	$ 95.00	$	9,500.00
			End of section 21 sub total	$	**19,000.00**
22. Rock excavation					
22a. Excavation and Removal of Rock (Associated with work under this contract small amounts)	1	cy	$ 350.00	$	350.00
			End of section 22 sub total	$	**350.00**
23. Trench					
23a. Suitable earth materials (borrow)	10	cy	$ 80.00	$	800.00
23b. Crusher run	10	cy	$ 90.00	$	900.00
23c. Crushed stone, no. 57	10	cy	$ 95.00	$	950.00
23d. M-10 Sand	10	cy	$ 50.00	$	500.00
			End of section 23 sub total	$	**3,150.00**
24. Remove and replace existing fence					
24a. 4-ft High chain link	100	lf	$ 10.00	$	1,000.00
24b. 6-ft High chain link	100	lf	$ 15.00	$	1,500.00
24c. 4-ft High wood	100	lf	$ 10.00	$	1,000.00
24d. 6-ft High wood	100	lf	$ 15.00	$	1,500.00
			End of section 24 sub total	$	**5,000.00**
			Bid Total	$	**926,050.00**

			End of section 20 sub total	$	1,200.00

21. Tree removal (for items not included in bid sheets)					
21a. Tree Removal, easy access	100	in	$ 30.00	$	3,000.00
21b. Tree Removial, difficult access	100	in	$ 50.00	$	5,000.00
			End of section 21 sub total	$	**8,000.00**
22. Rock excavation					
22a. Excavation and Removal of Rock (Associated with work under this contract small amounts)	1	cy	$ 300.00	$	300.00
			End of section 22 sub total	$	**300.00**
23. Trench					
23a. Suitable earth materials (borrow)	10	cy	$ 50.00	$	500.00
23b. Crusher run	10	cy	$ 70.00	$	700.00
23c. Crushed stone, no. 57	10	cy	$ 80.00	$	800.00
23d. M-10 Sand	10	cy	$ 80.00	$	800.00
			End of section 23 sub total	$	**2,800.00**
24.Remove and replace existing fence					
24a. 4-ft High chain link	100	lf	$ 40.00	$	4,000.00
24b. 6-ft High chain link	100	lf	$ 50.00	$	5,000.00
24c. 4-ft High wood	100	lf	$ 60.00	$	6,000.00
24d. 6-ft High wood	100	lf	$ 70.00	$	7,000.00
			End of section 24 sub total	$	**22,000.00**
			Bid Total	$	**1,344,585.00**

Shaheed's Construction

1. New Installation of Large meter including vaults, valves & bypass piping

Description	Qty	Base Unit		Total	
1a. 3" meter	21	ea	$ 3,800.00	$	79,800.00
1d. 4" meter	08	ea	$ 4,300.00	$	34,400.00
1c. 6" meter	12	ea	$ 6,500.00	$	78,000.00
1d. 8" meter	08	ea	$ 8,000.00	$	64,000.00
1e. 10" meter	01	ea	$ 9,500.00	$	9,500.00
	End of section 1 sub total			**$**	**265,700.00**
2. New Installation of 3/4" to 2" meters and tap in conjuction with new large meter or double detector check installation only					
2a. 3/4 or 1" tap and meter installation	01	ea	$ 1,000.00	$	1,000.00
2b. 1 1/2 or 2" tap and meter installation	01	ea	$ 1,250.00	$	1,250.00
2c. 3/4" copper tubing nstallation after 15 ft	30	lf	$ 20.00	$	600.00
2d. 1 Copper tubing installation after 15 ft	30	lf	$ 25.00	$	750.00
2e. 1 1/2" copper tubing installation after 15 ft	30	lf	$ 30.00	$	900.00
2f. 2" copper tubing installation 15 ft	30	lf	$ 32.00	$	960.00
	End of section 2 sub total			**$**	**5,460.00**
3. Replacement of large meters only					
3a. 3" meter	15	ea	$ 1,200.00	$	18,000.00
3b. 4" meter	10	ea	$ 1,300.00	$	13,000.00
3c. 6" meter	15	ea	$ 1,500.00	$	22,500.00

The Dickerson Group

1. New Installation of Large meter including vaults, valves & bypass piping

Description	Qty	Base Unit		Total	
1a. 3" meter	21	ea	$ 6,750.00	$	141,750.00
1d. 4" meter	08	ea	$ 6,750.00	$	54,000.00
1c. 6" meter	12	ea	$ 8,000.00	$	96,000.00
1d. 8" meter	08	ea	$ 8,750.00	$	70,000.00
1e. 10" meter	01	ea	$ 9,750.00	$	9,750.00
	End of section 1 sub total			**$**	**371,500.00**
2. New Installation of 3/4" to 2" meters and tap in conjuction with new large meter or double detector check installation only					
2a. 3/4 or 1" tap and meter installation	01	ea	$ 500.00	$	500.00
2b. 1 1/2 or 2" tap and meter installation	01	ea	$ 1,200.00	$	1,200.00
2c. 3/4" copper tubing installation after 15 ft	30	lf	$ 9.00	$	270.00
2d. 1 Copper tubing installation after 15 ft	30	lf	$ 12.00	$	360.00
2e. 1 1/2" copper tubing installation after 15 ft	30	lf	$ 15.00	$	450.00
2f. 2" copper tubing installation 15 ft	30	lf	$ 20.00	$	600.00
	End of section 2 sub total			**$**	**3,380.00**
3. Replacement of large meters only					
3a. 3" meter	15	ea	$ 900.00	$	13,500.00
3b. 4" meter	10	ea	$ 900.00	$	9,000.00
3c. 6" meter	15	ea	$ 1,000.00	$	15,000.00

3d. 8" meter	15	ea	$ 2,000.00	$ 30,000.00
3e. 10" meter	1	ea	$ 2,500.00	$ 2,500.00
	End of section 3 sub total			$ 86,000.00
4. Replacement of large meter including vaults, Valves, & bypass piping				
4a. 3" meter vault valve bypass	1	ea	$ 5,000.00	$ 5,000.00
4b. Meter, vault valve, bypass	1	ea	$ 5,800.00	$ 5,800.00
4c. 6" meter, vault, valves, bypass	15	ea	$ 6,500.00	$ 97,500.00
4d. 8" meter. Vault valves, bypass	15	ea	$ 8,000.00	$ 120,000.00
4e. 10" meter, vault valve, bypass	1	ea	$ 8,500.00	$ 8,500.00
	End of section 4 sub total			$ 231,800.00
5. Replacement of large meters including valves & bypass piping				
5a. 3" meter, valves bypass	1	ea	$ 3,125.00	$ 3,125.00
5b. 4" meter, valves bypass	1	ea	$ 4,000.00	$ 4,000.00
5c. 6" meter , valves bypass	15	ea	$ 4,800.00	$ 72,000.00
5d. 8" meter, valves bypass	15	ea	$ 5,500.00	$ 82,500.00
5e. 10" meter, valves bypass	1	ea	$ 6,500.00	$ 6,500.00
	End of section 5 sub total			$ 168,125.00
6. Pipe Installation in conjunction with large meter installlation				
6a. Installing 6" Ductile Iron Pipe	100	lf	$ 80.00	$ 8,000.00
6b. Installing 8" Ductile Iron Pipe	100	lf	$ 85.00	$ 8,500.00
6c. Installing 10" Ductile Iron pipe	100	lf	$ 90.00	$ 9,000.00
6d. Installing 12" Ductile Iron Pipe	100	lf	$ 95.00	$ 9,500.00

3d. 8" meter	15	ea	$ 1,500.00	$ 22,500.00
3e. 10" meter	1	ea	$ 1,500.00	$ 1,500.00
	End of section 3 sub total			$ 61,500.00
4. Replacement of large meter including vaults, Valves, & bypass piping				
4a. 3" meter vault				
4b. Meter, vault				
4c. 6" meter, vault, valves, bypass	15	ea	$ 9,500.00	$ 142,500.00
4d. 8" meter. Vault valves, bypass	15	ea	$ 10,250.00	$ 153,750.00
4e. 10" meter, vault valve, bypass	1	ea	$ 11,250.00	$ 11,250.00
	End of section 4 sub total			$ 307,500.00
5. Replacement of large meters including valves & bypass piping				
5a. 3" meter, valves bypass	1	ea	$ 2,000.00	$ 2,000.00
5b. 4" meter, valves bypass	1	ea	$ 2,000.00	$ 2,000.00
5c. 6" meter , valves bypass	15	ea	$ 2,500.00	$ 37,500.00
5d. 8" meter, valves bypass	15	ea	$ 2,500.00	$ 37,500.00
5e. 10" meter, valves bypass	1	ea	$ 4,000.00	$ 4,000.00
	End of section 5 sub total			$ 83,000.00
6. Pipe Installation in conjunction with large meter installlation				
6a. Installing 6" Ductile Iron Pipe	100	lf	$ 60.00	$ 6,000.00
6b. Installing 8" Ductile Iron Pipe	100	lf	$ 80.00	$ 8,000.00
6c. Installing 10" Ductile Iron pipe	100	lf	$ 100.00	$ 10,000.00
6d. Installing 12" Ductile Iron Pipe	100	lf	$ 120.00	$ 12,000.00

	End of section 6 sub total			$	35,000.00
7. Meter Vault & Lid Replacement					
7a. Medium, vault 108" x 60" inside dimension	1	ea	$ 3,000.00	$	3,000.00
7b. Large Vault, 144" x 72" inside dimension	1	ea	$ 3,800.00	$	3,800.00
	End of section 7 sub total			$	6,800.00
8. Meter and Double Detector Check (DDC) Vault Adjustment					
8a. Medium Vault adjustment to grade (up)	1	vf	$ 1,200.00	$	1,200.00
8b. Large Vault adjustment to grade up	1	vf	$ 1,800.00	$	1,800.00
	End of section 8 sub total			$	3,000.00
9. New Installation of DDC, Vault and Valves					
9a. 3" DDC	1	ea	$ 3,200.00	$	3,200.00
9b. 4" DDC	1	ea	$ 4,200.00	$	4,200.00
9c. 6" DDC	1	ea	$ 5,000.00	$	5,000.00
9d. 8" DDC	1	ea	$ 5,700.00	$	5,700.00
9e. 10" DDC	1	ea	$ 6,600.00	$	6,600.00
9f. 12" DDC	1	ea	$ 7,800.00	$	7,800.00
	End of section 9 sub total			$	32,500.00
10. Replacement of DDC Only					
10a. 3" DDC	1	ea	$ 1,500.00	$	1,500.00
10b. 4" DDC	1	ea	$ 2,000.00	$	2,000.00
10c. 6" DDC	1	ea	$ 2,500.00	$	2,500.00
10d. 8" DDC	1	ea	$ 3,000.00	$	3,000.00
10e. 10" DDC	1	ea	$ 3,500.00	$	3,500.00

	End of section 6 sub total			$	36,000.00
7. Meter Vault & Lid Replacement					
7a. Medium, vault 108" x 60" inside dimension	1	ea	$ 8,000.00	$	8,000.00
7b. Large Vault, 144" x 72" inside dimension	1	ea	$ 10,000.00	$	10,000.00
	End of section 7 sub total			$	18,000.00
8. Meter and Double Detector Check (DDC) Vault Adjustment					
8a. Medium Vault adjustment to grade (up)	1	vf	$ 10,000.00	$	10,000.00
8b. Large Vault adjustment to grade up	1	vf	$ 12,000.00	$	12,000.00
	End of section 8 sub total			$	22,000.00
9. New Installation of DDC, Vault and Valves					
9a. 3" DDC	1	ea	$ 500.00	$	500.00
9b. 4" DDC	1	ea	$ 500.00	$	500.00
9c. 6" DDC	1	ea	$ 500.00	$	500.00
9d. 8" DDC	1	ea	$ 600.00	$	600.00
9e. 10" DDC	1	ea	$ 800.00	$	800.00
9f. 12" DDC	1	ea	$ 1,000.00	$	1,000.00
	End of section 9 sub total			$	3,900.00
10. Replacement of DDC Only					
10a. 3" DDC	1	ea	$ 3,000.00	$	3,000.00
10b. 4" DDC	1	ea	$ 3,500.00	$	3,500.00
10c. 6" DDC	1	ea	$ 4,000.00	$	4,000.00
10d. 8" DDC	1	ea	$ 4,500.00	$	4,500.00
10e. 10" DDC	1	ea	$ 5,000.00	$	5,000.00

10f. 12" DDC	1	ea	$ 5,500.00	$	5,500.00
	End of section 10 sub total			$	18,000.00
11. Single Valve Replacement on existing meters					
11a. 3" Valve	1	ea	$ 1,000.00	$	1,000.00
11b. 4" Valve	1	ea	$ 1,200.00	$	1,200.00
11c. 6" Valve	1	ea	$ 1,400.00	$	1,400.00
11d. 8" Valve	1	ea	$ 1,500.00	$	1,500.00
11e. 10" Valve	1	ea	$ 1,700.00	$	1,700.00
11f. 12" Valve	1	ea	$ 1,900.00	$	1,900.00
	End of section 11 sub total			$	8,700.00
12. Cut of Valves in conjunction with either new meter installation or meter replacement					
12a. Install 3" Gate Valve w/valve box	1	ea	$ 1,200.00	$	1,200.00
12b. Install 4" Gate Valve w/valve box	1	ea	$ 1,500.00	$	1,500.00
12c. Install 6" Gate Valve w/valve box	1	ea	$ 1,700.00	$	1,700.00
12d. Install 8" Gate Valve w/valve box	1	ea	$ 2,000.00	$	2,000.00
12e.Install 10" Gate Valve w/valve box	1	ea	$ 2,250.00	$	2,250.00
12f.Install 12" Gate Valve w/valve box	1	ea	$ 3,000.00	$	3,000.00
	End of section 12 sub total			$	11,650.00

10f. 12" DDC	1	ea	$ 6,000.00	$	6,000.00
	End of section 10 sub total			$	26,000.00
11. Single Valve Replacement on existing meters					
11a. 3" Valve	1	ea	$ 1,500.00	$	1,500.00
11b. 4" Valve	1	ea	$ 2,000.00	$	2,000.00
11c. 6" Valve	1	ea	$ 2,000.00	$	2,000.00
11d. 8" Valve	1	ea	$ 2,000.00	$	2,000.00
11e. 10" Valve	1	ea	$ 3,000.00	$	3,000.00
11f. 12" Valve	1	ea	$ 3,000.00	$	3,000.00
	End of section 11 sub total			$	13,500.00
12. Cut of Valves in conjunction with either new meter installation or meter replacement					
12a. Install 3" Gate Valve w/valve box	1	ea	$ 2,000.00	$	2,000.00
12b. Install 4" Gate Valve w/valve box	1	ea	$ 2,000.00	$	2,000.00
12c. Install 6" Gate Valve w/valve box	1	ea	$ 2,500.00	$	2,500.00
12d. Install 8" Gate Valve w/valve box	1	ea	$ 3,000.00	$	3,000.00
12e.Install 10" Gate Valve w/valve box	1	ea	$ 3,000.00	$	3,000.00
12f.Install 12" Gate Valve w/valve box	1	ea	$ 3,500.00	$	3,500.00
	End of section 12 sub total			$	16,000.00

13. Installation of Casing and Carrier Pipe						
13a. 12" Bored Casing with).33" wall thickness	40	lf	$	275.00	$	11,000.00
13b. 16" Bored Casing with).375" Wall thickness	40	lf	$	285.00	$	11,400.00
13c. 20" Bored Casing with).375" Wall thickness	40	lf	$	300.00	$	12,000.00
13d. 12" Direct Bury Casing with).33 Wall thickness	40	lf	$	160.00	$	6,400.00
13e. 16" Direct Bury Casing with).375" Wall thickness	40	lf	$	175.00	$	7,000.00
13f. 20" Direct Bury Casing with).375" Wall thickness	40	lf	$	200.00	$	8,000.00
End of section 13 sub total					**$**	**55,800.00**
14. **Fire Hydrant Installation, Relocation and Height Adjustment in Conjunction with neter Installation and replacement.**						
14a. Fire Hydrant Installation '0 - 41/2 bury depth)	1	ea	$	5,000.00	$	5,000.00
14b. Fire Hydrant Relocation '0-20' distance from existing hydrant	1	ea	$	3,000.00	$	3,000.00
14c. Install 6" Fire Hydrant Extension	1	ea	$	1,000.00	$	1,000.00
14d. Install 12" Fire Hydrant Extension	1	ea	$	1,100.00	$	1,100.00
14e. Install 18" Fire Hydrant Extension	1	ea	$	1,200.00	$	1,200.00
14f. Install 24" Fire Hydrant Extension	1	ea	$	1,800.00	$	1,800.00
14g. Install 36" Fire Hydrant Extension	1	ea	$	2,000.00	$	2,000.00
End of section 14 sub total					**$**	**15,100.00**
15. Wet Tapping, valve						
15a. 6" x 6"	1	ea	$	2,700.00	$	2,700.00
15b. 6" x 8"	1	ea	$	2,900.00	$	2,900.00

13. Installation of Casing and Carrier Pipe						
13a. 12" Bored Casing with 0.33" wall thickness	40	lf	$	200.00	$	8,000.00
13b. 16" Bored Casing with 0.375" Wall thickness	40	lf	$	250.00	$	10,000.00
13c. 20" Bored Casing with 0.375" Wall thickness	40	lf	$	275.00	$	11,000.00
13d. 12" Direct Bury Casing with 0.33 Wall thickness	40	lf	$	200.00	$	8,000.00
13e. 16" Direct Bury Casing with 0.375" Wall thickness	40	lf	$	250.00	$	10,000.00
13f. 20" Direct Bury Casing with 0.375" Wall thickness	40	lf	$	275.00	$	11,000.00
End of section 13 sub total					**$**	**58,000.00**
14. **Fire Hydrant Installation, Relocation and Height Adjustment in Conjunction with meter Installation and replacement.**						
14a. Fire Hydrant Installation (0 - 41/2 bury depth)	1	ea	$	2,500.00	$	2,500.00
14b. Fire Hydrant Relocation (0-20' distance from existing hydrant	1	ea	$	950.00	$	950.00
14c. Install 6" Fire Hydrant Extension	1	ea	$	250.00	$	250.00
14d. Install 12" Fire Hydrant Extension	1	ea	$	500.00	$	500.00
14e. Install 18" Fire Hydrant Extension	1	ea	$	800.00	$	800.00
14f. Install 24" Fire Hydrant Extension	1	ea	$	1,000.00	$	1,000.00
14g. Install 36" Fire Hydrant Extension	1	ea	$	1,800.00	$	1,800.00
End of section 14 sub total					**$**	**7,800.00**
15. Wet Tapping, valve						
15a. 6" x 6"	1	ea	$	2,000.00	$	2,000.00
15b. 6" x 8"	1	ea	$	2,250.00	$	2,250.00

15c. 6" x 10"	1	ea	$ 3,500.00	$ 3,500.00
15d. 6" x 12"	1	ea	$ 4,000.00	$ 4,000.00
15e. 6" x 16"	1	ea	$ 4,200.00	$ 4,200.00
15f. 6" x 24"	1	ea	$ 7,000.00	$ 7,000.00
15g. 8" x 8"	1	ea	$ 3,400.00	$ 3,400.00
15h. 8" x 10"	1	ea	$ 4,000.00	$ 4,000.00
15i. 8" x 12"	1	ea	$ 4,500.00	$ 4,500.00
15j. 8" x 16"	1	ea	$ 6,000.00	$ 6,000.00
15k. 8" x 24"	1	ea	$ 7,000.00	$ 7,000.00
15l. 10" x 10"	1	ea	$ 4,200.00	$ 4,200.00
15m. 10" x 12"	1	ea	$ 4,800.00	$ 4,800.00
15n. 10"x 16"	1	ea	$ 5,500.00	$ 5,500.00
15o. 10" x 24"	1	ea	$ 7,000.00	$ 7,000.00
15p. 12" x 12"	1	ea	$ 6,000.00	$ 6,000.00
15q. 12" x 16"	1	ea	$ 7,500.00	$ 7,500.00
15r. 12" x 24"	1	ea	$ 9,500.00	$ 9,500.00
	End of section 15 sub total			**$ 93,700.00**
16. Concrete Thrust				
16a. Concrete Thrust Block	1	cu yc	$ 400.00	$ 400.00
	End of section 16 sub total			**$ 400.00**
MISC SERVICES IN CONJUNCTION WITH METER INSTALLATION				
17. Concrete & Asphalt				
17a. Remove and replace curb				
i. Concrete Curb	100	lf	$ 37.00	$ 3,700.00
iii. Granite Curb	10	lf	$ 75.00	$ 750.00

15c. 6" x 10"	1	ea	$ 3,800.00	$ 3,800.00
15d. 6" x 12"	1	ea	$ 3,600.00	$ 3,600.00
15e. 6" x 16"	1	ea	$ 6,500.00	$ 6,500.00
15f. 6" x 24"	1	ea	$ 12,000.00	$ 12,000.00
15g. 8" x 8"	1	ea	$ 2,500.00	$ 2,500.00
15h. 8" x 10"	1	ea	$ 4,400.00	$ 4,400.00
15i. 8" x 12"	1	ea	$ 4,000.00	$ 4,000.00
15j. 8" x 16"	1	ea	$ 7,200.00	$ 7,200.00
15k. 8" x 24"	1	ea	$ 12,500.00	$ 12,500.00
15l. 10" x 10"	1	ea	$ 5,250.00	$ 5,250.00
15m. 10" x 12"	1	ea	$ 4,800.00	$ 4,800.00
15n. 10"x 16"	1	ea	$ 8,000.00	$ 8,000.00
15o. 10" x 24"	1	ea	$ 14,000.00	$ 14,000.00
15p. 12" x 12"	1	ea	$ 5,600.00	$ 5,600.00
15q. 12" x 16"	1	ea	$ 9,800.00	$ 9,800.00
15r. 12" x 24"	1	ea	$ 16,000.00	$ 16,000.00
	End of section 15 sub total			**$ 124,200.00**
16. Concrete Thrust				
16a. Concrete Thrust Block	1	cu yd	$ 250.00	$ 250.00
	End of section 16 sub total			**$ 250.00**
MISC SERVICES IN CONJUNCTION WITH METER INSTALLATION				
17. Concrete & Asphalt				
17a. Remove and replace curb				
i. Concrete Curb	100	lf	$ 50.00	$ 5,000.00
iii. Granite Curb	10	lf	$ 75.00	$ 750.00

17b. Remove and replace driveway					
i. Concrete Driveway	100	lf	$ 10.00	$	1,000.00
ii. Asphalt Driveway	60	lf	$ 10.00	$	600.00
iii. Gravel Driveway	20	lf	$ 5.00	$	100.00
iv. Decorative Paver	10	lf	$ 20.00	$	200.00
v. Brick Driveway	10	lf	$ 20.00	$	200.00

17c. Concrete Sidewalk					
i. Remove and replace sidewalk	100	lf	$ 10.00	$	1,000.00
17d. Remove and replace pavement					
i. Concrete Pavement	100	lf	$ 12.00	$	1,200.00
ii. Asphalt Pavement	100	lf	$ 12.00	$	1,200.00
iii. FC Standard Utility Cut Replacement	100	lf	$ 14.00	$	1,400.00
iv. 11/2 in Type "E" Asphalt Topping	100	lf	$ 8.00	$	800.00
			End of section 17 sub total	$	**12,150.00**
18. Labor and equip. in conjunction with either new meter install. or meter eplacement (for items not included in bid sheets)					
18a. Three Man Crew and equipment	8	hr	$ 370.00	$	2,960.00
18b. One Man Crew and equipment	8	hr	$ 200.00	$	1,600.00
18c. Supervisor	8	hr	$ 100.00	$	800.00
18d. Weekend and Holiday 3 personnel & Equip	8	hr	$ 555.00	$	4,440.00
18e. Weekend and Holiday 1 personnel & Equip	8	hr	$ 300.00	$	2,400.00
18f. Weekend and Holiday supervisor	8	hr	$ 150.00	$	1,200.00
			End of section 18 sub total	$	**13,400.00**

17b. Remove and replace driveway					
i. Concrete Driveway	100	lf	$ 8.00	$	800.00
ii. Asphalt Driveway	60	lf	$ 5.00	$	300.00
iii. Gravel Driveway	20	lf	$ 5.00	$	100.00
iv. Decorative Paver	10	lf	$ 50.00	$	500.00
v. Brick Driveway	10	lf	$ 50.00	$	500.00

17c. Concrete Sidewalk					
i. Remove and replace sidewalk	100	lf	$ 25.00	$	2,500.00
17d. Remove and replace pavement					
i. Concrete Pavement	100	lf	$ 5.00	$	500.00
ii. Asphalt Pavement	100	lf	$ 5.00	$	500.00
iii. FC Standard Utility Cut Replacement	100	lf	$ 15.00	$	1,500.00
iv. 11/2 in Type "E" Asphalt Topping	100	lf	$ 15.00	$	1,500.00
			End of section 17 sub total	$	**14,450.00**
18. Labor and equipment in conjunction with either new meter installation or meter replacement (for items not included in bid sheets)					
18a. Three Man Crew and equipment	8	hr	$ 195.00	$	1,560.00
18b. One Man Crew and equipment	8	hr	$ 120.00	$	960.00
18c. Supervisor	8	hr	$ 90.00	$	720.00
18d. Weekend and Holiday 3 personnel & Equip	8	hr	$ 250.00	$	2,000.00
18e. Weekend and Holiday 1 personnel & Equip	8	hr	$ 175.00	$	1,400.00
18f. Weekend and Holiday supervisor	8	hr	$ 150.00	$	1,200.00
			End of section 18 sub total	$	**7,840.00**

19. Erosion and					
19a. Temporary Grassing	1000	sf	$ 0.58	$	580.00
19b. Type "A" Slit Fence	100	lf	$ 3.25	$	325.00
19c. Type "B" Slit Fence	100	lf	$ 3.00	$	300.00
19d. Type "C" Slit Fence	100	lf	$ 5.00	$	500.00
19e. Haybales	10	ea	$ 20.00	$	200.00
19f. Dirt Bag slit control pumping system)	1	ea	$ 2,200.00	$	2,200.00
			End of section 19 sub total	**$**	**4,105.00**
20. Tree protection (for items not included in bid sheets)					
20a. Tree Protection Fence (active)	100	lf	$ 3.50	$	350.00
20b. Tree Protection Fence (passive)	100	lf	$ 3.00	$	300.00
			End of section 20 sub total	**$**	**650.00**
21. Tree removal (for items not included in bid sheets)					
21a. Tree Removal, easy access	100	in	$ 90.00	$	9,000.00
21b. Tree Removial, difficult access	100	in	$ 120.00	$	12,000.00
			End of section 21 sub total	**$**	**21,000.00**
22. Rock excavation					
22a. Excavation and Removal of Rock (Associated with work under this contract small amounts)	1	cy	$ 500.00	$	500.00
			End of section 22 sub total	**$**	**500.00**
23. Trench					
23a. Suitable earth materials (borrow)	10	cy	$ 35.00	$	350.00
23b. Crusher run	10	cy	$ 35.00	$	350.00

19. Erosion and					
19a. Temporary Grassing	1000	sf	$ 1.00	$	1,000.00
19b. Type "A" Slit Fence	100	lf	$ 4.00	$	400.00
19c. Type "B" Slit Fence	100	lf	$ 4.00	$	400.00
19d. Type "C" Slit Fence	100	lf	$ 4.00	$	400.00
19e. Haybales	10	ea	$ 7.00	$	70.00
19f. Dirt Bag (slit control pumping system)	1	ea	$ 500.00	$	500.00
			End of section 19 sub total	**$**	**2,770.00**
20. Tree protection (for items not included in bid sheets)					
20a. Tree Protection Fence (active)	100	lf	$ 5.00	$	500.00
20b. Tree Protection Fence (passive)	100	lf	$ 5.00	$	500.00
			End of section 20 sub total	**$**	**1,000.00**
21. Tree removal (for items not included in bid sheets)					
21a. Tree Removal, easy access	100	in	$ 60.00	$	6,000.00
21b. Tree Removial, difficult access	100	in	$ 75.00	$	7,500.00
			End of section 21 sub total	**$**	**13,500.00**
22. Rock excavation					
22a. Excavation and Removal of Rock (Associated with work under this contract small amounts)	1	cy	$ 250.00	$	250.00
			End of section 22 sub total	**$**	**250.00**
23. Trench					
23a. Suitable earth materials (borrow)	10	cy	$ 50.00	$	500.00
23b. Crusher run	10	cy	$ 50.00	$	500.00

23c. Crushed stone, no. 57	10	cy	$ 35.00	$	350.00
23d. M-10 Sand	10	cy	$ 35.00	$	350.00
			End of section 23 sub total	$	1,400.00
24. Remove and replace existing fence					
24a. 4-ft High chain link	100	lf	$ 18.00	$	1,800.00
24b. 6-ft High chain link	100	lf	$ 22.00	$	2,200.00
24c. 4-ft High wood	100	lf	$ 30.00	$	3,000.00
24d. 6-ft High wood	100	lf	$ 30.00	$	3,000.00
			End of section 24 sub total	$	10,000.00
			Bid Total	$	1,105,940.00

23c. Crushed stone, no. 57	10	cy	$ 50.00	$	500.00
23d. M-10 Sand	10	cy	$ 50.00	$	500.00
			End of section 23 sub total	$	2,000.00
24. Remove and replace existing fence					
24a. 4-ft High chain link	100	lf	$ 15.00	$	1,500.00
24b. 6-ft High chain link	100	lf	$ 18.00	$	1,800.00
24c. 4-ft High wood	100	lf	$ 15.00	$	1,500.00
24d. 6-ft High wood	100	lf	$ 18.00	$	1,800.00
			End of section 24 sub total	$	6,600.00
			Bid Total	$	1,216,440.00

Metals & Materials

1. New Installation of Large meter including vaults, valves & bypass piping

Description	Qty	Base Unit		Total	
1a. 3" meter	21	ea	$ 2,500.00	$	52,500.00
1d. 4" meter	08	ea	$ 4,500.00	$	36,000.00
1c. 6" meter	12	ea	$ 5,500.00	$	66,000.00
1d. 8" meter	08	ea	$ 7,500.00	$	60,000.00
1e. 10" meter	01	ea	$ 9,000.00	$	9,000.00
			End of section 1 sub total	$	223,500.00
2. New Installation of 3/4" to 2" meters and tap in conjuction with new large meter or double detector check installation only					
2a. 3/4 or 1" tap and meter installation	01	ea	$ 1,000.00	$	1,000.00
2b. 1 1/2 or 2" tap and	01	ea	$ 1,700.00	$	1,700.00

Wade Coots

1. New Installation of Large meter including vaults, valves & bypass piping

Description	Qty	Base Unit		Total	
1a. 3" meter	21	ea	$ 3,200.00	$	67,200.00
1d. 4" meter	08	ea	$ 5,000.00	$	40,000.00
1c. 6" meter	12	ea	$ 5,800.00	$	69,600.00
1d. 8" meter	08	ea	$ 7,000.00	$	56,000.00
1e. 10" meter	01	ea	$ 8,000.00	$	8,000.00
			End of section 1 sub total	$	240,800.00
2. New Installation of 3/4" to 2" meters and tap in conjuction with new large meter or double detector check installation only					
2a. 3/4 or 1" tap and meter installation	01	ea	$ 1,000.00	$	1,000.00
2b. 1 1/2 or 2" tap and	01	ea	$ 1,900.00	$	1,900.00

neter installation				
!c. 3/4" copper tubing nstallation after 15 ft	30	lf	$ 26.00	$ 780.00
!d. 1 Copper tubing installation ıfter 15 ft	30	lf	$ 32.00	$ 960.00
!e. 1 1/2" copper tubing installation ıfter 15 ft	30	lf	$ 37.00	$ 1,110.00
!f. 2" copper tubing installation 5 ft	30	lf	$ 45.00	$ 1,350.00
	End of section 2 sub total			$ 6,900.00
. Replacement of large meters only				
ła. 3" meter	15	ea	$ 900.00	$ 13,500.00
łb. 4" meter	10	ea	$ 900.00	$ 9,000.00
łc. 6" meter	15	ea	$ 3,150.00	$ 47,250.00
łd. 8" meter	15	ea	$ 3,600.00	$ 54,000.00
łe. 10" meter	1	ea	$ 4,000.00	$ 4,000.00
	End of section 3 sub total			$ 127,750.00
. Replacement of large meter including vaults, Valves, & bypass piping				
ła. 3" meter vault 'alve bypass	1	ea	$ 5,500.00	$ 5,500.00
łb. Meter, vault 'alve, bypass	1	ea	$ 6,000.00	$ 6,000.00
łc. 6" meter, vault, 'alves, bypass	15	ea	$ 5,000.00	$ 75,000.00
łd. 8" meter. Vault 'alves, bypass	15	ea	$ 6,750.00	$ 101,250.00
łe. 10" meter, vault 'alve, bypass	1	ea	$ 9,000.00	$ 9,000.00
	End of section 4 sub total			$ 196,750.00
. Replacement of large meters including valves & bypass piping				
ła. 3" meter, valves ıypass	1	ea	$ 3,500.00	$ 3,500.00
łb. 4" meter, valves				

meter installation				
2c. 3/4" copper tubing installation after 15 ft	30	lf	$ 28.00	$ 840.00
2d. 1 Copper tubing installation after 15 ft	30	lf	$ 30.00	$ 900.00
2e. 1 1/2" copper tubing installation after 15 ft	30	lf	$ 35.00	$ 1,050.00
2f. 2" copper tubing installation 15 ft	30	lf	$ 45.00	$ 1,350.00
	End of section 2 sub total			$ 7,040.00
3. Replacement of large meters only				
3a. 3" meter	15	ea	$ 1,250.00	$ 18,750.00
3b. 4" meter	10	ea	$ 1,400.00	$ 14,000.00
3c. 6" meter	15	ea	$ 1,600.00	$ 24,000.00
3d. 8" meter	15	ea	$ 2,000.00	$ 30,000.00
3e. 10" meter	1	ea	$ 2,500.00	$ 2,500.00
	End of section 3 sub total			$ 89,250.00
4. Replacement of large meter including vaults, Valves, & bypass piping				
4a. 3" meter vault valve bypass	1	ea	$ 5,000.00	$ 5,000.00
4b. Meter, vault valve, bypass	1	ea	$ 5,500.00	$ 5,500.00
4c. 6" meter, vault, valves, bypass	15	ea	$ 7,000.00	$ 105,000.00
4d. 8" meter. Vault valves, bypass	15	ea	$ 8,700.00	$ 130,500.00
4e. 10" meter, vault valve, bypass	1	ea	$ 10,000.00	$ 10,000.00
	End of section 4 sub total			$ 256,000.00
5. Replacement of large meters including valves & bypass piping				
5a. 3" meter, valves bypass	1	ea	$ 3,500.00	$ 3,500.00
5b. 4" meter, valves				

ypass	1	ea	$ 4,000.00	$	4,000.00
ic. 6" meter , valves ypass	15	ea	$ 5,000.00	$	75,000.00
id. 8" meter, valves ypass	15	ea	$ 6,250.00	$	93,750.00
ie. 10" meter, valves ypass	1	ea	$ 8,750.00	$	8,750.00
	End of section 5 sub total			$	185,000.00

bypass	1	ea	$ 4,000.00	$	4,000.00
5c. 6" meter , valves bypass	15	ea	$ 4,800.00	$	72,000.00
5d. 8" meter, valves bypass	15	ea	$ 6,500.00	$	97,500.00
5e. 10" meter, valves bypass	1	ea	$ 8,500.00	$	8,500.00
	End of section 5 sub total			$	185,500.00

i. Pipe Installation in conjunction with large meter installlation					
ia. Installing 6" Ductile Iron Pipe	100	lf	$ 60.00	$	6,000.00
ib. Installing 8" Ductile Iron Pipe	100	lf	$ 65.00	$	6,500.00
ic. Installing 10" Ductile Iron pipe	100	lf	$ 75.00	$	7,500.00
id. Installing 12" Ductile Iron Pipe	100	lf	$ 85.00	$	8,500.00
	End of section 6 sub total			$	28,500.00
'. Meter Vault & Lid Replacement					
'a. Medium, vault 108" x 60" inside dimension	1	ea	$ 2,750.00	$	2,750.00
'b. Large Vault, 144" x 72" nside dimension	1	ea	$ 3,650.00	$	3,650.00
	End of section 7 sub total			$	6,400.00
i. Meter and Double Detector Check (DDC) Vault Adjustment					
ia. Medium Vault adjustment to grade (up)	1	vf	$ 775.00	$	775.00
ib. Large Vault adjustment to grade up	1	vf	$ 875.00	$	875.00
	End of section 8 sub total			$	1,650.00
). New Installation of DDC, Vault and Valves					
)a. 3" DDC	1	ea	$ 3,000.00	$	3,000.00

6. Pipe Installation in conjunction with large meter installlation					
6a. Installing 6" Ductile Iron Pipe	100	lf	$ 58.00	$	5,800.00
6b. Installing 8" Ductile Iron Pipe	100	lf	$ 68.00	$	6,800.00
6c. Installing 10" Ductile Iron pipe	100	lf	$ 74.00	$	7,400.00
6d. Installing 12" Ductile Iron Pipe	100	lf	$ 83.00	$	8,300.00
	End of section 6 sub total			$	28,300.00
7. Meter Vault & Lid Replacement					
7a. Medium, vault 108" x 60" inside dimension	1	ea	$ 3,000.00	$	3,000.00
7b. Large Vault, 144" x 72" inside dimension	1	ea	$ 3,800.00	$	3,800.00
	End of section 7 sub total			$	6,800.00
8. Meter and Double Detector Check (DDC) Vault Adjustment					
8a. Medium Vault adjustment to grade (up)	1	vf	$ 850.00	$	850.00
8b. Large Vault adjustment to grade up	1	vf	$ 950.00	$	950.00
	End of section 8 sub total			$	1,800.00
9. New Installation of DDC, Vault and Valves					
9a. 3" DDC	1	ea	$ 3,300.00	$	3,300.00

9b. 4" DDC	1	ea	$ 3,300.00	$	3,300.00
9c. 6" DDC	1	ea	$ 5,750.00	$	5,750.00
9d. 8" DDC	1	ea	$ 6,250.00	$	6,250.00
9e. 10" DDC	1	ea	$ 6,750.00	$	6,750.00
9f. 12" DDC	1	ea	$ 9,000.00	$	9,000.00
			End of section 9 sub total	**$**	**34,050.00**
10. Replacement of DDC Only					
10a. 3" DDC	1	ea	$ 1,300.00	$	1,300.00
10b. 4" DDC	1	ea	$ 1,750.00	$	1,750.00
10c. 6" DDC	1	ea	$ 2,100.00	$	2,100.00
10d. 8" DDC	1	ea	$ 2,700.00	$	2,700.00
10e. 10" DDC	1	ea	$ 4,300.00	$	4,300.00
10f. 12" DDC	1	ea	$ 6,100.00	$	6,100.00
			End of section 10 sub total	**$**	**18,250.00**
11. Single Valve Replacement on existing meters					
11a. 3" Valve	1	ea	$ 725.00	$	725.00
11b. 4" Valve	1	ea	$ 800.00	$	800.00
11c. 6" Valve	1	ea	$ 900.00	$	900.00
11d. 8" Valve	1	ea	$ 1,050.00	$	1,050.00
11e. 10" Valve	1	ea	$ 1,200.00	$	1,200.00

9b. 4" DDC	1	ea	$ 3,400.00	$	3,400.00
9c. 6" DDC	1	ea	$ 3,900.00	$	3,900.00
9d. 8" DDC	1	ea	$ 4,800.00	$	4,800.00
9e. 10" DDC	1	ea	$ 6,000.00	$	6,000.00
9f. 12" DDC	1	ea	$ 6,500.00	$	6,500.00
			End of section 9 sub total	**$**	**27,900.00**
10. Replacement of DDC Only					
10a. 3" DDC	1	ea	$ 1,800.00	$	1,800.00
10b. 4" DDC	1	ea	$ 2,000.00	$	2,000.00
10c. 6" DDC	1	ea	$ 2,500.00	$	2,500.00
10d. 8" DDC	1	ea	$ 3,500.00	$	3,500.00
10e. 10" DDC	1	ea	$ 4,000.00	$	4,000.00
10f. 12" DDC	1	ea	$ 4,500.00	$	4,500.00
			End of section 10 sub total	**$**	**18,300.00**
11. Single Valve Replacement on existing meters					
11a. 3" Valve	1	ea	$ 600.00	$	600.00
11b. 4" Valve	1	ea	$ 650.00	$	650.00
11c. 6" Valve	1	ea	$ 750.00	$	750.00
11d. 8" Valve	1	ea	$ 800.00	$	800.00
11e. 10" Valve	1	ea	$ 900.00	$	900.00

11f. 12" Valve	1	ea	$ 1,400.00	$	1,400.00
		End of section 11 sub total		$	6,075.00
12. Cut of Valves in conjunction with either new meter installation or meter replacement					
12a. Install 3" Gate Valve w/valve box	1	ea	$ 1,050.00	$	1,050.00
12b. Install 4" Gate Valve w/valve box	1	ea	$ 1,250.00	$	1,250.00
12c. Install 6" Gate Valve w/valve box	1	ea	$ 1,400.00	$	1,400.00
12d. Install 8" Gate Valve w/valve box	1	ea	$ 1,650.00	$	1,650.00
12e.Install 10" Gate Valve w/valve box	1	ea	$ 2,000.00	$	2,000.00
12f.Install 12" Gate Valve w/valve box	1	ea	$ 2,600.00	$	2,600.00
		End of section 12 sub total		$	9,950.00
13. Installation of Casing and Carrier Pipe					
13a. 12" Bored Casing with 0.33" wall thickness	40	lf	$ 170.00	$	6,800.00
13b. 16" Bored Casing with 0.375" Wall thickness	40	lf	$ 225.00	$	9,000.00
13c. 20" Bored Casing with 0.375" Wall thickness	40	lf	$ 290.00	$	11,600.00
13d. 12" Direct Bury Casing with 0.33 Wall thickness	40	lf	$ 130.00	$	5,200.00
13e. 16" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 182.00	$	7,280.00
13f. 20" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 222.00	$	8,880.00
		End of section 13 sub total		$	48,760.00

11f. 12" Valve	1	ea	$ 1,000.00	$	1,000.00
		End of section 11 sub total		$	4,700.00
12. Cut of Valves in conjunction with either new meter installation or meter replacement					
12a. Install 3" Gate Valve w/valve box	1	ea	$ 900.00	$	900.00
12b. Install 4" Gate Valve w/valve box	1	ea	$ 1,000.00	$	1,000.00
12c. Install 6" Gate Valve w/valve box	1	ea	$ 1,250.00	$	1,250.00
12d. Install 8" Gate Valve w/valve box	1	ea	$ 1,500.00	$	1,500.00
12e.Install 10" Gate Valve w/valve box	1	ea	$ 2,000.00	$	2,000.00
12f.Install 12" Gate Valve w/valve box	1	ea	$ 2,500.00	$	2,500.00
		End of section 12 sub total		$	9,150.00
13. Installation of Casing and Carrier Pipe					
13a. 12" Bored Casing with 0.33" wall thickness	40	lf	$ 160.00	$	6,400.00
13b. 16" Bored Casing with 0.375" Wall thickness	40	lf	$ 200.00	$	8,000.00
13c. 20" Bored Casing with 0.375" Wall thickness	40	lf	$ 280.00	$	11,200.00
13d. 12" Direct Bury Casing with 0.33 Wall thickness	40	lf	$ 150.00	$	6,000.00
13e. 16" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 175.00	$	7,000.00
13f. 20" Direct Bury Casing with 0.375" Wall thickness	40	lf	$ 250.00	$	10,000.00
		End of section 13 sub total		$	48,600.00

4. Fire Hydrant Installation, Relocation and Height Adjustment in Conjunction with neter Installation and replacement.				
4a. Fire Hydrant Installation 0 - 41/2 bury depth)	1	ea	$ 3,500.00	$ 3,500.00
4b. Fire Hydrant Relocation 0-20' distance from xisting hydrant	1	ea	$ 2,600.00	$ 2,600.00
4c. Install 6" Fire lydrant Extension	1	ea	$ 700.00	$ 700.00
4d. Install 12" Fire lydrant Extension	1	ea	$ 725.00	$ 725.00
4e. Install 18" Fire lydrant Extension	1	ea	$ 1,150.00	$ 1,150.00
4f. Install 24" Fire lydrant Extension	1	ea	$ 1,350.00	$ 1,350.00
4g. Install 36" Fire lydrant Extension	1	ea	$ 1,550.00	$ 1,550.00
		End of section 14 sub total	**$**	**11,575.00**
5. Wet Tapping, valve and Valve Box in conjunction with either new meter installation or meter				
5a. 6" x 6"	1	ea	$ 2,600.00	$ 2,600.00
5b. 6" x 8"	1	ea	$ 2,750.00	$ 2,750.00
5c. 6" x 10"	1	ea	$ 3,050.00	$ 3,050.00
5d. 6" x 12"	1	ea	$ 3,700.00	$ 3,700.00
5e. 6" x 16"	1	ea	$ 9,800.00	$ 9,800.00
5f. 6" x 24"	1	ea	$ 7,500.00	$ 7,500.00
5g. 8" x 8"	1	ea	$ 2,650.00	$ 2,650.00
5h. 8" x 10"	1	ea	$ 3,050.00	$ 3,050.00
5i. 8" x 12"	1	ea	$ 3,400.00	$ 3,400.00
5j. 8" x 16"	1	ea	$ 5,650.00	$ 5,650.00
5k. 8" x 24"	1	ea	$ 7,850.00	$ 7,850.00

14. Fire Hydrant Installation, Relocation and Height Adjustment in Conjunction with meter Installation and replacement.				
14a. Fire Hydrant Installation (0 - 41/2 bury depth)	1	ea	$ 5,200.00	$ 5,200.00
14b. Fire Hydrant Relocation (0-20' distance from existing hydrant	1	ea	$ 4,000.00	$ 4,000.00
14c. Install 6" Fire Hydrant Extension	1	ea	$ 900.00	$ 900.00
14d. Install 12" Fire Hydrant Extension	1	ea	$ 1,200.00	$ 1,200.00
14e. Install 18" Fire Hydrant Extension	1	ea	$ 1,600.00	$ 1,600.00
14f. Install 24" Fire Hydrant Extension	1	ea	$ 2,100.00	$ 2,100.00
14g. Install 36" Fire Hydrant Extension	1	ea	$ 2,500.00	$ 2,500.00
		End of section 14 sub total	**$**	**17,500.00**
15. Wet Tapping, valve and Valve Box in conjunction with either new meter installation or meter				
15a. 6" x 6"	1	ea	$ 2,700.00	$ 2,700.00
15b. 6" x 8"	1	ea	$ 2,900.00	$ 2,900.00
15c. 6" x 10"	1	ea	$ 3,400.00	$ 3,400.00
15d. 6" x 12"	1	ea	$ 3,600.00	$ 3,600.00
15e. 6" x 16"	1	ea	$ 6,600.00	$ 6,600.00
15f. 6" x 24"	1	ea	$ 9,000.00	$ 9,000.00
15g. 8" x 8"	1	ea	$ 3,300.00	$ 3,300.00
15h. 8" x 10"	1	ea	$ 4,000.00	$ 4,000.00
15i. 8" x 12"	1	ea	$ 4,200.00	$ 4,200.00
15j. 8" x 16"	1	ea	$ 7,000.00	$ 7,000.00
15k. 8" x 24"	1	ea	$ 9,500.00	$ 9,500.00

15l. 10" x 10"	1	ea	$ 3,600.00	$	3,600.00
15m. 10" x 12"	1	ea	$ 3,900.00	$	3,900.00
15n. 10"x 16"	1	ea	$ 5,950.00	$	5,950.00
15o. 10" x 24"	1	ea	$ 7,800.00	$	7,800.00
15p. 12" x 12"	1	ea	$ 4,700.00	$	4,700.00
15q. 12" x 16"	1	ea	$ 7,100.00	$	7,100.00
15r. 12" x 24"	1	ea	$ 10,600.00	$	10,600.00
	End of section 15 sub total			$	95,650.00
16. Concrete Thrust block installation in conjunction with either new meter installation or meter					
16a. Concrete Thrust Block	1	cu yc	$ 425.00	$	425.00
	End of section 16 sub total			$	425.00
MISC. SERVICES IN CONJUNCTION WITH METER INSTALLATION					
17. Concrete & Asphalt sidewalks, driveways, curbs and gutters and street and road pavement					
17a. Remove and replace curb					
i. Concrete Curb	100	lf	$ 38.00	$	3,800.00
iii. Granite Curb	10	lf	$ 67.00	$	670.00
17b. Remove and replace driveway					
i. Concrete Driveway	100	lf	$ 8.50	$	850.00
ii. Asphalt Driveway	60	lf	$ 7.50	$	450.00
iii. Gravel Driveway	20	lf	$ 4.50	$	90.00
iv. Decorative Paver	10	lf	$ 15.50	$	155.00
v. Brick Driveway	10	lf	$ 16.00	$	160.00
17c. Concrete Sidewalk					
i. Remove and replace sidewalk	100	lf	$ 7.75	$	775.00
17d. Remove and replace pavement					
i. Concrete Pavement	100	lf	$ 9.50	$	950.00
ii. Asphalt Pavement	100	lf	$ 8.75	$	875.00
iii. FC Standard Utility Cut Replacement	100	lf	$ 13.00	$	1,300.00
iv. 11/2 in Type "E" Asphalt Topping	100	lf	$ 2.75	$	275.00
	End of section 17 sub total			$	10,350.00

15l. 10" x 10"	1	ea	$ 4,800.00	$	4,800.00
15m. 10" x 12"	1	ea	$ 5,200.00	$	5,200.00
15n. 10"x 16"	1	ea	$ 7,300.00	$	7,300.00
15o. 10" x 24"	1	ea	$ 10,200.00	$	10,200.00
15p. 12" x 12"	1	ea	$ 6,200.00	$	6,200.00
15q. 12" x 16"	1	ea	$ 9,000.00	$	9,000.00
15r. 12" x 24"	1	ea	$ 13,000.00	$	13,000.00
	End of section 15 sub total			$	111,900.00
16. Concrete Thrust block installation in conjunction with either new meter installation or meter					
16a. Concrete Thrust Block	1	cu yd	$ 350.00	$	350.00
	End of section 16 sub total			$	350.00
MISC. SERVICES IN CONJUNCTION WITH METER INSTALLATION					
17. Concrete & Asphalt sidewalks, driveways, curbs and gutters and street and road pavement					
17a. Remove and replace curb					
i. Concrete Curb	100	lf	$ 40.00	$	4,000.00
iii. Granite Curb	10	lf	$ 75.00	$	750.00
17b. Remove and replace driveway					
i. Concrete Driveway	100	lf	$ 7.00	$	700.00
ii. Asphalt Driveway	60	lf	$ 6.00	$	360.00
iii. Gravel Driveway	20	lf	$ 4.00	$	80.00
iv. Decorative Paver	10	lf	$ 11.00	$	110.00
v. Brick Driveway	10	lf	$ 11.00	$	110.00
17c. Concrete Sidewalk					
i. Remove and replace sidewalk	100	lf	$ 6.50	$	650.00
17d. Remove and replace pavement					
i. Concrete Pavement	100	lf	$ 9.00	$	900.00
ii. Asphalt Pavement	100	lf	$ 7.50	$	750.00
iii. FC Standard Utility Cut Replacement	100	lf	$ 10.00	$	1,000.00
iv. 11/2 in Type "E" Asphalt Topping	100	lf	$ 2.50	$	250.00
	End of section 17 sub total			$	9,660.00

8. Labor and equipment in conjunction with either new meter installation or meter replacement				
8a. Three Man Crew and equipment	8	hr	$ 350.00	$ 2,800.00
8b. One Man Crew and equipment	8	hr	$ 250.00	$ 2,000.00
8c. Supervisor	8	hr	$ 85.00	$ 680.00
8d. Weekend and Holiday 3 personnel & Equip	8	hr	$ 400.00	$ 3,200.00
8e. Weekend and Holiday 1 personnel & Equip	8	hr	$ 300.00	$ 2,400.00
8f. Weekend and Holiday supervisor	8	hr	$ 100.00	$ 800.00
End of section 18 sub total			**$**	**11,880.00**

9. Erosion and sediment control (for items not included in bid sheets)				
9a. Temporary Grassing	1000	sf	$ 0.30	$ 300.00
9b. Type "A" Slit Fence	100	lf	$ 2.00	$ 200.00
9c. Type "B" Slit Fence	100	lf	$ 5.50	$ 550.00
9d. Type "C" Slit Fence	100	lf	$ 10.50	$ 1,050.00
9e. Haybales	10	ea	$ 5.50	$ 55.00
9f. Dirt Bag slit control pumping system)	1	ea	$ 1,500.00	$ 1,500.00
End of section 19 sub total			**$**	**3,655.00**

0. Tree protection (for items not included in bid sheets)				
0a. Tree Protection Fence (active)	100	lf	$ 4.50	$ 450.00
0b. Tree Protection Fence (passive)	100	lf	$ 3.00	$ 300.00

1. Tree removal (for items not included in bid sheets)

18. Labor and equipment in conjunction with either new meter installation or meter replacement (for				
18a. Three Man Crew and equipment	8	hr	$ 400.00	$ 3,200.00
18b. One Man Crew and equipment	8	hr	$ 275.00	$ 2,200.00
18c. Supervisor	8	hr	$ 100.00	$ 800.00
18d. Weekend and Holiday 3 personnel & Equip	8	hr	$ 500.00	$ 4,000.00
18e. Weekend and Holiday 1 personnel & Equip	8	hr	$ 350.00	$ 2,800.00
18f. Weekend and Holiday supervisor	8	hr	$ 150.00	$ 1,200.00
End of section 18 sub total			**$**	**14,200.00**

19. Erosion and sediment control (for items not included in bid sheets)				
19a. Temporary Grassing	1000	sf	$ 0.10	$ 100.00
19b. Type "A" Slit Fence	100	lf	$ 1.50	$ 150.00
19c. Type "B" Slit Fence	100	lf	$ 2.50	$ 250.00
19d. Type "C" Slit Fence	100	lf	$ 6.00	$ 600.00
19e. Haybales	10	ea	$ 6.00	$ 60.00
19f. Dirt Bag (slit control pumping system)	1	ea	$ 2,000.00	$ 2,000.00
End of section 19 sub total			**$**	**3,160.00**

20. Tree protection (for items not included in bid sheets)				
20a. Tree Protection Fence (active)	100	lf	$ 4.00	$ 400.00
20b. Tree Protection Fence (passive)	100	lf	$ 3.00	$ 300.00

21. Tree removal (for items not included in bid sheets)

1a. Tree Removal, easy access	100	in	$ 75.00	$	7,500.00
1b. Tree Removial, difficult access	100	in	$ 105.00	$	10,500.00
			End of section 21 sub total	**$**	**18,000.00**
2. Rock excavation (for items not included in bid sheets)					
2a. Excavation and Removal of Rock (Associated with work under this contract small amounts)	1	cy	$ 400.00	$	400.00
			End of section 22 sub total	**$**	**400.00**
3. Trench stabilization (for items not included in bid sheets)					
3a. Suitable earth materials (borrow)	10	cy	$ 25.00	$	250.00
3b. Crusher run	10	cy	$ 35.00	$	350.00
3c. Crushed stone, no. 57	10	cy	$ 37.50	$	375.00
3d. M-10 Sand	10	cy	$ 42.00	$	420.00
			End of section 23 sub total	**$**	**1,395.00**
4. Remove and replace existing fence					
4a. 4-ft High chain link	100	lf	$ 14.00	$	1,400.00
4b. 6-ft High chain link	100	lf	$ 17.00	$	1,700.00
4c. 4-ft High wood	100	lf	$ 28.00	$	2,800.00
4d. 6-ft High wood	100	lf	$ 33.00	$	3,300.00
			End of section 24 sub total	**$**	**9,200.00**
			Bid Total	**$**	**1,056,815.00**

21a. Tree Removal, easy access	100	in	$ 50.00	$	5,000.00
21b. Tree Removial, difficult access	100	in	$ 80.00	$	8,000.00
			End of section 21 sub total	**$**	**13,000.00**
22. Rock excavation (for items not included in bid sheets)					
22a. Excavation and Removal of Rock (Associated with work under this contract small amounts)	1	cy	$ 250.00	$	250.00
			End of section 22 sub total	**$**	**250.00**
23. Trench stabilization (for items not included in bid sheets)					
23a. Suitable earth materials (borrow)	10	cy	$ 28.00	$	280.00
23b. Crusher run	10	cy	$ 40.00	$	400.00
23c. Crushed stone, no. 57	10	cy	$ 40.00	$	400.00
23d. M-10 Sand	10	cy	$ 45.00	$	450.00
			End of section 23 sub total	**$**	**1,530.00**
24. Remove and replace existing fence					
24a. 4-ft High chain link	100	lf	$ 17.00	$	1,700.00
24b. 6-ft High chain link	100	lf	$ 20.00	$	2,000.00
24c. 4-ft High wood	100	lf	$ 35.00	$	3,500.00
24d. 6-ft High wood	100	lf	$ 45.00	$	4,500.00
			End of section 24 sub total	**$**	**11,700.00**
			Bid Total	**$**	**1,108,090.00**