Engineers Estimate \$205,000 November 3, 2011

Louise Avenue Surface Water Pipeline Project

	Carl Crutchfield Construction, Inc.						Clyde Wheeler Pipeline, Inc.						
ITEM# I	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL C	COST	ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL (COST
1 1	Mobilization	1	LS	\$ 1,500.00	\$ 1,	,500.00	1	Mobilization	1	LS	\$ 5,000.00	\$ 5,	5,000.00
٠,	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 1,800.00	\$ 1,	,800.00	2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 1,250.00	\$ 1,	,250.00
	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 3,000.00	\$ 3,	,000.00	3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 250.00	\$	250.00
4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 2,500.00	\$ 2,	,500.00	4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 2,500.00	\$ 2,	2,500.00
5 (Construction Signs	1	LS	\$ 1,000.00	\$ 1,	,000.00	5	Construction Signs	1	LS	\$ 3,000.00		3,000.00
6	Traffic Control	1	LS	\$ 11,900.00	\$ 11,	,900.00	6	Traffic Control	1	LS	\$ 4,500.00	\$ 4,	,500.00
7	Saw-Cut AC	110	LF	\$ 4.60	\$	506.00	7	Saw-Cut AC	110	LF	\$ 5.00	\$	550.00
8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 7.00	\$ 1,	,540.00	8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 35.00	\$ 7,	7,700.00
u	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 0.80	\$ 6,	,080.00	9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.25	\$ 9,	9,500.00
10	Trench Patch (4"AC/12"AB)	200	SF	\$ 10.00	\$ 2,	,000.00	10	Trench Patch (4"AC/12"AB)	200	SF	\$ 21.00	\$ 4,	,200.00
	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 1,500.00	\$ 1,	,500.00	11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 1,500.00	\$ 1,	,500.00
12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 2,240.00		,480.00	12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 2,000.00		1,000.00
13 I	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,330.00		,660.00	13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,200.00		,400.00
	Pressure test and disinfect water main	1	LS	\$ 1,000.00	. ,	,000.00	14	Pressure test and disinfect water main	1	LS	\$ 2,250.00		2,250.00
	Provide interim water line connection to 12" water main	1	LS	\$ 5,120.00	\$ 5,	,120.00	15	Provide interim water line connection to 12" water main	1	LS	\$ 1,800.00	\$ 1,	,800.00
16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 33.56	\$ 68,	,798.00	16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 33.00	\$ 67,	7,650.00
	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 5,600.00	\$ 11,	,200.00	17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 4,250.00	\$ 8,	3,500.00
18 _I	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 100.00		900.00	18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 300.00	. ,	2,700.00
19 I	Remove and Install Traffic sign	1	EA	\$ 100.00	\$	100.00	19	Remove and Install Traffic sign	1	EA	\$ 350.00	\$	350.00
20 I	Pavement striping and markers	1	LS	\$ 3,100.00	\$ 3,	,100.00	20	Pavement striping and markers	1	LS	\$ 3,000.00	\$ 3,	3,000.00
	TC	SE BID		\$ 132,	,684.00		TO	OTAL BAS	SE BID		\$ 134,	,600.00	

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Louise Avenue Surface Water Pipeline Project

	D.A. Wood Construction, Inc.					Knife River Construction					
ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COS	TITEM	# DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COST
1	Mobilization	1	LS	\$ 3,650.00	\$ 3,650.	00 1	Mobilization	1	LS	\$ 11,600.00	\$ 11,600.00
2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 520.00	\$ 520.	2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 2,000.00	\$ 2,000.00
3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 381.00	\$ 381.	3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 400.00	\$ 400.00
4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 300.00	•		Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 3,700.00	\$ 3,700.00
5	Construction Signs	1	LS	\$ 340.00	\$ 340.	5 00	Construction Signs	1	LS	\$ 4,000.00	\$ 4,000.00
6	Traffic Control	1	LS	\$ 10,302.00	\$ 10,302.	00 6	Traffic Control	1	LS	\$ 9,500.00	\$ 9,500.00
7	Saw-Cut AC	110	LF	\$ 2.75	\$ 302.	50 7	Saw-Cut AC	110	LF	\$ 7.00	\$ 770.00
8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 42.63	\$ 9,378.	8 06	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 48.00	\$ 10,560.00
9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.21	\$ 9,196.	9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.10	\$ 8,360.00
10	Trench Patch (4"AC/12"AB)	200	SF	\$ 11.12	\$ 2,224.	00 10	Trench Patch (4"AC/12"AB)	200	SF	\$ 11.50	\$ 2,300.00
11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 1,806.00	\$ 1,806.	00 11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 2,000.00	\$ 2,000.00
12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 1,583.00	\$ 3,166		Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 700.00	\$ 1,400.00
13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 3,086.00	' '		Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,000.00	' '
14	Pressure test and disinfect water main	1	LS	\$ 1,207.00			Pressure test and disinfect water main	1	LS	\$ 2,500.00	
15	Provide interim water line connection to 12" water main	1	LS	\$ 2,137.00	\$ 2,137.	00 15		1	LS	\$ 7,800.00	\$ 7,800.00
16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 41.04	\$ 84,132.	16	restraints and trench back fill	2,050	LF	\$ 32.00	\$ 65,600.00
17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 4,370.00	\$ 8,740	17	Provide and install commercial fire hydrants and assembly with 4 traffi bollards, Type X Pavement Markers	^C 2	EA	\$ 4,600.00	\$ 9,200.00
18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 77.78	\$ 700.		Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 700.00	
19	Remove and Install Traffic sign	1	EA	\$ 100.00	•		Remove and Install Traffic sign	1	EA	•	
20	Pavement striping and markers	1	LS	\$ 600.00	\$ 600.	00 20	Pavement striping and markers	1	LS	\$ 2,600.00	\$ 2,600.00
	TO	SE BID	BID \$ 145,354.12			I	SE BID		\$ 154,870.00		

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Louise Avenue Surface Water Pipeline Project

	Rolfe Construction					Viking General Constractors, Inc.						
ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOT	TAL COST	ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COST
1	Mobilization	1	LS	\$ 8,000.00	\$	8,000.00	1	Mobilization	1	LS	\$ 16,440.00	\$ 16,440.00
2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 3,000.00	\$	3,000.00	2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 2,840.00	\$ 2,840.00
3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 400.00	\$	400.00	3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 1,300.00	\$ 1,300.00
4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 2,000.00	\$	2,000.00	4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 5,300.00	\$ 5,300.00
5	Construction Signs	1	LS	\$ 500.00		500.00	5	Construction Signs	1	LS	\$ 1,600.00	\$ 1,600.00
6	Traffic Control	1	LS	\$ 2,000.00	\$	2,000.00	6	Traffic Control	1	LS	\$ 3,300.00	\$ 3,300.00
7	Saw-Cut AC	110	LF	\$ 4.00	\$	440.00	7	Saw-Cut AC	110	LF	\$ 2.00	\$ 220.00
8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 20.00	\$	4,400.00	8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 38.00	\$ 8,360.00
9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.50		11,400.00	9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 0.70	\$ 5,320.00
10	Trench Patch (4"AC/12"AB)	200	SF	\$ 40.00	\$	8,000.00	10	Trench Patch (4"AC/12"AB)	200	SF	\$ 8.00	\$ 1,600.00
11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 2,000.00	\$	2,000.00	11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 2,500.00	\$ 2,500.00
12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 2,000.00		4,000.00	12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 1,750.00	
13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,500.00		5,000.00	13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 3,000.00	
14	Pressure test and disinfect water main	1	LS	\$ 2,000.00		2,000.00	14	Pressure test and disinfect water main	1	LS	\$ 3,200.00	
15	Provide interim water line connection to 12" water main	1	LS	\$ 2,000.00	\$	2,000.00	15	Provide interim water line connection to 12" water main	1	LS	\$ 2,040.00	\$ 2,040.00
16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 47.00	\$	96,350.00	16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 42.00	\$ 86,100.00
17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 3,500.00	\$	7,000.00	17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 5,800.00	\$ 11,600.00
18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 100.00		900.00	18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 200.00	
19	Remove and Install Traffic sign	1	EA	\$ 300.00		300.00	19	Remove and Install Traffic sign	1	EA	\$ 150.00	
20	Pavement striping and markers	1	LS	\$ 4,000.00	\$	4,000.00	20	Pavement striping and markers	1	LS	\$ 500.00	\$ 500.00
	TC	SE BID		\$	163,690.00		T	OTAL BAS	SE BID		\$ 163,670.00	

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Louise Avenue Surface Water Pipeline Project

	Allen A. Waggoner Construction, Inc.						CW Fox Construction, Inc.						
ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COST	ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COST		
1	Mobilization	1	LS	\$ 5,630.00	\$ 5,630.00	1	Mobilization	1	LS	\$ 7,846.00	\$ 7,846.00		
2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 1,049.00	\$ 1,049.00	2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 2,264.00	\$ 2,264.00		
3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 150.00	\$ 150.00	3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 664.00	\$ 664.00		
4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 645.00	\$ 645.00	4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 2,200.00	\$ 2,200.00		
5	Construction Signs	1	LS	\$ 1,800.00	\$ 1,800.00	5	Construction Signs	1	LS	\$ 2,151.00	\$ 2,151.00		
6	Traffic Control	1	LS	\$ 11,990.00	\$ 11,990.00	6	Traffic Control	1	LS	\$ 17,408.00	\$ 17,408.00		
7	Saw-Cut AC	110	LF	\$ 2.70	\$ 297.00	7	Saw-Cut AC	110	LF	\$ 10.55	\$ 1,160.50		
8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 57.30	\$ 12,606.00	8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 42.00	\$ 9,240.00		
9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.50	\$ 11,400.00	9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.10	' '		
10	Trench Patch (4"AC/12"AB)	200	SF	\$ 13.80	\$ 2,760.00	10	Trench Patch (4"AC/12"AB)	200	SF	\$ 23.30	\$ 4,660.00		
11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 2,050.00	\$ 2,050.00	11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 4,220.00	\$ 4,220.00		
12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 1,650.00		12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 1,936.00	· · · · · · · · · · · · · · · · · · ·		
13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,293.00		13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,727.00	· · · · · · · · · · · · · · · · · · ·		
14	Pressure test and disinfect water main	1	LS	\$ 2,885.00	\$ 2,885.00	14	Pressure test and disinfect water main	1	LS	\$ 3,750.00	· · · · · · · · · · · · · · · · · · ·		
15	Provide interim water line connection to 12" water main	1	LS	\$ 3,730.00	\$ 3,730.00	15	Provide interim water line connection to 12" water main	1	LS	\$ 4,033.00	\$ 4,033.00		
16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 41.70	\$ 85,485.00	16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 37.65	\$ 77,182.50		
17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 5,152.00	\$ 10,304.00	17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 4,801.00	\$ 9,602.00		
18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 205.00	\$ 1,845.00	18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 215.00			
19	Remove and Install Traffic sign	1	EA	\$ 90.00	•	19	Remove and Install Traffic sign	1	EA	•			
20	Pavement striping and markers	1	LS	\$ 2,869.00	\$ 2,869.00	20	Pavement striping and markers	1	LS	\$ 3,401.00	\$ 3,401.00		
	TO	SE BID	BID \$ 165,471.00			00 TOTAL BASE BII				D \$ 169,565.00			

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Louise Avenue Surface Water Pipeline Project

	California Trenchless, Inc.						C.E. Cox General E				
ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL CO	ST ITE	M # DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COST
1	Mobilization	1	LS	\$ 5,000.00	\$ 5,000	.00	1 Mobilization	1	LS	\$ 3,000.00	\$ 3,000.00
2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 500.00	\$ 500	.00	Pot hole to verify all necessary existing utilities water line	and other to construct	LS	\$ 1,500.00	\$ 1,500.00
3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 500.00	\$ 500	.00	File Notice of Intent (N.O.I) & Notice of Termin associated fees	ation (N.O.T) and	LS	\$ 1,600.00	\$ 1,600.00
4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 1,200.00	\$ 1,200	.00	Provide and Install Stormwater Pollution Preve construction	ention on site during 1	LS	\$ 1,500.00	\$ 1,500.00
5	Construction Signs	1	LS	\$ 500.00	\$ 500	.00	5 Construction Signs	1	LS	\$ 1,000.00	\$ 1,000.00
6	Traffic Control	1	LS	\$ 1,500.00	\$ 1,500	.00	6 Traffic Control	1	LS	\$ 10,000.00	\$ 10,000.00
7	Saw-Cut AC	110	LF	\$ 5.00	\$ 550	.00	7 Saw-Cut AC	110	LF	\$ 5.00	\$ 550.00
8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 20.00	\$ 4,400	.00	8 Rebuild shoulder per Cross-Sections on impro	vement plans 220	CY	\$ 25.00	\$ 5,500.00
9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.00	\$ 7,600	.00	Provide & Install 4" Class-II AB Shoulder (4ft w Compaction	vide) @ 95% Relative 7,600	SF	\$ 1.00	\$ 7,600.00
10	Trench Patch (4"AC/12"AB)	200	SF	\$ 10.00	\$ 2,000	.00 1	0 Trench Patch (4"AC/12"AB)	200	SF	\$ 8.00	\$ 1,600.00
11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 2,000.00	\$ 2,000	.00	Pave Two (2) existing driveways within Right-o 2"AC/4"AB	of-Way limits with	LS	\$ 2,000.00	\$ 2,000.00
12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 2,500.00		.00	Connect to Existing 12" Water Stub, remove b	plow-off & blind flange 2	EA	\$ 1,500.00	· · · · · · · · · · · · · · · · · · ·
13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,500.00			3 Provide and Install 12" gate valve with valve bo	ox, lid and ring 2	EA	\$ 3,000.00	
14	Pressure test and disinfect water main	1	LS	\$ 1,500.00	, ,		4 Pressure test and disinfect water main	1	LS	\$ 1,200.00	,
15	Provide interim water line connection to 12" water main	1	LS	\$ 2,500.00	\$ 2,500	.00 1	5 Provide interim water line connection to 12" wa		LS	\$ 7,000.00	\$ 7,000.00
16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 55.00	\$ 112,750	.00	6 12-inch PVC DR 18 Water Line, includes all fit restraints and trench back fill	2,050	LF	\$ 50.00	\$ 102,500.00
17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 5,000.00	\$ 10,000	.00	Provide and install commercial fire hydrants ar bollards, Type X Pavement Markers	nd assembly with 4 traffic 2	EA	\$ 5,700.00	\$ 11,400.00
18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 500.00	, ,	.00	8 Hold utility poles in place while trenching for th	ne 12-inch water main 9	EA	\$ 1,000.00	
19	Remove and Install Traffic sign	1	EA	\$ 250.00			9 Remove and Install Traffic sign	1	EA	·	•
20	Pavement striping and markers	1	LS	\$ 2,500.00	\$ 2,500	.00 2	Pavement striping and markers	1	LS	\$ 750.00	\$ 750.00
	TO	OTAL BAS	SE BID		\$ 169,750	.00		TOTAL BA	SE BID		\$ 177,200.00

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Louise Avenue Surface Water Pipeline Project

Pacific Underground Construction, Inc. ITEM # DESCRIPTION QTY UNIT ITEM COST TOTAL													-
1		Pacific Underground Construction, Inc.	•					Vinciguerra Construction					
Pot hole to verify all necessary existing utilities and other to construct varie fine 1	ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COST	ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COS	ST
Very set line	1	Mobilization	1	LS	\$ 7,500.00	\$ 7,500.00	1	Mobilization	1	LS	\$ 15,000.00	\$ 15,000	0.00
Secolated fees	2	, , , , , , , , , , , , , , , , , , , ,	1	LS	\$ 1,200.00	\$ 1,200.00	2		1	LS	\$ 4,000.00	\$ 4,000	0.00
4 construction 1 LS \$ 2,000.00 \$ 2,000.00 \$ 2,000.00 \$ 0 \$ 0,000.00 \$ 0,000.	3	associated fees	1	LS	\$ 500.00	\$ 500.00	3	associated fees	1	LS	\$ 1,000.00	\$ 1,000	0.00
6 Traffic Control 1 LS \$ 9,200.00 \$ 9,200.00 6 Traffic Control 1 LS \$ 5,000.00 \$ 5,000.00 \$ 5,000.00 7 Saw-Cut AC 110 LF \$ 3.00 \$ 330.00 7 Saw-Cut AC 110 LF \$ 3.00 \$ 330.00 7 Saw-Cut AC 110 LF \$ 3.00 \$ 330.00 7 Saw-Cut AC 110 LF \$ 3.00 \$ 330.00 \$ 330.00 7 Saw-Cut AC 110 LF \$ 3.00 \$ 330.00 \$ 330.00 7 Saw-Cut AC 110 LF \$ 3.00 \$ 330.00 \$ 330.00 7 Saw-Cut AC 110 LF \$ 3.00 \$ 330.00 \$ 330.00 \$ Sover Cut AC 110 LF \$ 3.00 \$ 330.00 \$ Sover Cut AC 110 LF \$ Sover Cut AC \$ Sover	4	<u>~</u>	1	LS	\$ 2,000.00	\$ 2,000.00	4	· ·	1	LS	\$ 2,000.00	\$ 2,000	0.00
The Saw-Cut AC	5	Construction Signs	1	LS	\$ 1,000.00	\$ 1,000.00	5	Construction Signs	1	LS	\$ 1,000.00	\$ 1,000	0.00
Rebuild shoulder per Cross-Sections on improvement plans 220 CY \$ 28.00 \$ 6,160.00 8 Rebuild shoulder per Cross-Sections on improvement plans 220 CY \$ 50.00 \$ 11,000.00 9	6	Traffic Control	1	LS	\$ 9,200.00	\$ 9,200.00	6	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000	0.00
Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction Trench Patch (4"AC/12"AB) Trench Patch (4"A	7	Saw-Cut AC	110	LF	\$ 3.00	\$ 330.00	7		110	LF	\$ 3.00	\$ 330	0.00
Compaction	8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 28.00	\$ 6,160.00	8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 50.00	\$ 11,000	0.00
Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	9	` ; =	7,600				9	` -	7,600	SF	\$ 2.00	\$ 15,200	0.00
1	10	Trench Patch (4"AC/12"AB)	200	SF	\$ 11.00	\$ 2,200.00	10	Trench Patch (4"AC/12"AB)	200	SF	\$ 10.00	\$ 2,000	0.00
13 Provide and Install 12" gate valve with valve box, lid and ring 2 EA \$ 2,800.00 \$ 5,600.00 14 Pressure test and disinfect water main 1 LS \$ 4,500.00 \$ 4,500.00 14 Pressure test and disinfect water main 1 LS \$ 4,000.00 \$ 4,000.00 14 Pressure test and disinfect water main 1 LS \$ 4,000.00 \$ 4,000.00 14 Pressure test and disinfect water main 1 LS \$ 4,000.00 \$ 4,000.00 14 Pressure test and disinfect water main 1 LS \$ 4,000.00 \$ 4,000.00 14 Pressure test and disinfect water main 1 LS \$ 4,000.00 \$ 4,000.00 14 Pressure test and disinfect water main 1 LS \$ 4,000.00 \$ 4,000.00 14 Pressure test and disinfect water main 1 LS \$ 4,000.00 \$ 4,000.00 15 Provide interim water line connection to 12" water main 1 LS \$ 4,000.00 \$ 4,000.00 16 Provide interim water line connection to 12" water main 1 LS \$ 1,000.00 \$ 1,000.00 12 inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,750.00 \$ 11,500.00 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 3,200.00 \$ 6,400.00 18 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$ 1,000.00 \$ 9,000.00 19 Provide and install Traffic sign 1 EA \$ 150.00 \$ 1,500.00 150.00 1	11		1	LS	\$ 900.00	\$ 900.00	11		1	LS	\$ 3,000.00	\$ 3,000	0.00
14 Pressure test and disinfect water main 1 LS \$4,500.00 \$4,500.00 14 Pressure test and disinfect water main 1 LS \$4,000.00 \$4,000.00 15 Provide interim water line connection to 12" water main 1 LS \$9,225.00 \$9,225.00 15 Provide interim water line connection to 12" water main 1 LS \$1,000.00 \$1,0	12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 1,800.00	\$ 3,600.00	12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 2,000.00	\$ 4,000	0.00
Provide interim water line connection to 12" water main 1 LS \$ 9,225.00 \$ 9,225.00 15 Provide interim water line connection to 12" water main 1 LS \$ 1,000.00 \$ 1,000.00 1 2-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 1 2-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 1 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,750.00 \$ 11,500.00 \$ 12" water main 1 LS \$ 1,000.00 \$ 1,000.00 1 2-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 2 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,750.00 \$ 11,500.00 \$ 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 3,200.00 \$ 6,400.00 1 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$ 250.00 \$ 2,250.00 \$ 18 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$ 1,000.00 \$ 9,000.00 1 EA \$ 1,000.00 \$ 9,000.00 1 EA \$ 2,000.00 \$ 2,000.00 2 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 2 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00	13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,800.00		13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,800.00	\$ 5,600	0.00
16 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 2,050 LF \$ 52.00 \$ 106,600.00 16 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 2,050 LF \$ 45.00 \$ 92,250.00 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,750.00 \$ 11,500.00 18 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$ 250.00 \$ 2,250.00 19 Remove and Install Traffic sign 1 EA \$ 250.00 \$ 2,000.00 20 Pavement striping and markers 1 LS \$ 2,000.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00 20 Pavement striping and markers 2 LS 2,500.00 2,500.00 2,500.00 2,500.00 2,500.00 2,500.00 2,500.	14	Pressure test and disinfect water main	1	LS			14	Pressure test and disinfect water main	1	LS	\$ 4,000.00	\$ 4,000	0.00
restraints and trench back fill Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers EA \$ 5,750.00 \$ 106,600.00 \$ 10 restraints and trench back fill Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers EA \$ 5,750.00 \$ 11,500.00 \$ 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers EA \$ 3,200.00 \$ 6,400.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers EA \$ 3,200.00 \$ 92,250.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers EA \$ 3,200.00 \$ 9,000.00 \$ 9,000.00 \$ 10 Pavement Striping and markers EA \$ 1,000.00 \$ 9,000.00 \$ 150.0	15	Provide interim water line connection to 12" water main	1	LS	\$ 9,225.00	\$ 9,225.00	15	Provide interim water line connection to 12" water main	1	LS	\$ 1,000.00	\$ 1,000	0.00
17 bollards, Type X Pavement Markers 2 EA \$ 5,750.00 \$ 11,500.00 17 bollards, Type X Pavement Markers 2 EA \$ 3,200.00 \$ 6,400.00 18 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$ 250.00 \$ 2,250.00 18 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$ 1,000.00 \$ 9,000.0 19 Remove and Install Traffic sign 1 EA \$ 250.00 \$ 250.00 19 Remove and Install Traffic sign 1 EA \$ 150.00 \$ 150.00 20 Pavement striping and markers 1 LS \$ 2,000.00 \$ 2,000.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00	16	restraints and trench back fill	2,050	LF	\$ 52.00	\$ 106,600.00	16	restraints and trench back fill	-	LF	\$ 45.00	\$ 92,250	0.00
Hold utility poles in place while trenching for the 12-inch water main \$ 1,000.00 \$ 9,000.00 \$ 19 Remove and Install Traffic sign 1 EA \$ 250.00 \$ 250.00 \$ 1	17		2	EA	\$ 5,750.00	\$ 11,500.00	17		2	EA	\$ 3,200.00	\$ 6,400	0.00
20 Pavement striping and markers 1 LS \$ 2,000.00 \$ 2,000.00 20 Pavement striping and markers 1 LS \$ 2,500.00 \$ 2,500.00	18	···	9		'			, , ,	9				
	19	Remove and Install Traffic sign	1		•	'		Remove and Install Traffic sign	1	EA	•	•	
TOTAL BASE BID \$ 184.115.00 TOTAL BASE BID \$ 184.430.0	20	Pavement striping and markers	1	LS	\$ 2,000.00	\$ 2,000.00	20	Pavement striping and markers	1	LS	\$ 2,500.00	\$ 2,500	0.00
TOTAL BASE BID \$ 184.115.00 TOTAL BASE BID \$ 184.430.0													
10 11 12 10 12 10 10 10 10 10 10 10 10 10 10 10 10 10		TO	SE BID		\$ 184,115.00		TO	OTAL BAS	SE BID		\$ 184,430	0.00	

Engineers Estimate \$205,000 November 3, 2011

Louise Avenue Surface Water Pipeline Project

	MCI Engineering, Inc.						Barry's Backhoe Service, Inc.						
ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TO	TAL COST	ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOT	TAL COST
1	Mobilization	1	LS	\$ 9,000.00	\$	9,000.00	1	Mobilization	1	LS	\$ 10,000.00	\$	10,000.00
2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 2,600.00	\$	2,600.00	2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 6,000.00	\$	6,000.00
3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 125.00	\$	125.00	3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 2,900.00	\$	2,900.00
4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 3,000.00	\$	3,000.00	4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 1,500.00	\$	1,500.00
5	Construction Signs	1	LS	\$ 2,000.00	\$	2,000.00	5	Construction Signs	1	LS	\$ 1,000.00	\$	1,000.00
6	Traffic Control	1	LS	\$ 15,000.00		15,000.00	6	Traffic Control	1	LS	\$ 15,000.00	\$	15,000.00
7	Saw-Cut AC	110	LF	\$ 7.70		847.00	7	Saw-Cut AC	110	LF	\$ 5.50		605.00
8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 48.00	\$	10,560.00	8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 34.00	\$	7,480.00
9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.25	\$	9,500.00	9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.65	\$	12,540.00
10	Trench Patch (4"AC/12"AB)	200	SF	\$ 25.00	\$	5,000.00	10	Trench Patch (4"AC/12"AB)	200	SF	\$ 10.00	\$	2,000.00
11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 5,800.00	\$	5,800.00	11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 3,000.00	\$	3,000.00
12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 1,300.00		2,600.00	12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 2,000.00		4,000.00
13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,700.00		5,400.00	13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 4,000.00		8,000.00
14	Pressure test and disinfect water main	1	LS	\$ 2,900.00		2,900.00	14	Pressure test and disinfect water main	1	LS	\$ 500.00		500.00
15	Provide interim water line connection to 12" water main	1	LS	\$ 5,900.00	\$	5,900.00	15	Provide interim water line connection to 12" water main	1	LS	\$ 10,000.00	\$	10,000.00
16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 42.00	\$	86,100.00	16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 47.00	\$	96,350.00
17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 5,000.00	\$	10,000.00	17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 6,000.00	\$	12,000.00
18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 1,100.00		9,900.00	18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 125.00		1,125.00
19	Remove and Install Traffic sign	1	EA	\$ 335.00		335.00	19	Remove and Install Traffic sign	1	EA	. ,		1,000.00
20	Pavement striping and markers	1	LS	\$ 3,100.00	\$	3,100.00	20	Pavement striping and markers	1	LS	\$ 1,500.00	\$	1,500.00
	TC	SE BID		\$	189,667.00		TO	OTAL BAS	SE BID		\$	196,500.00	

Engineers Estimate \$205,000 November 3, 2011

Louise Avenue Surface Water Pipeline Project

TEM # DESCRIPTION OTY UNIT TITEM COST TOTAL C													
1		Fermin Sierra Construction, Inc.						J&M, Inc.					
Pot hole to verify all necessary existing utilities and other to construct varietine varietine varietine varietine LS \$500.00 \$500.00 \$2 Pot hole to verify all necessary existing utilities and other to construct varietine va	ITEM #	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COST	ITEM #	# DESCRIPTION	QTY	UNIT			L COST
A Valer line	1		1	LS	\$ 4,500.00	\$ 4,500.00	1		1	LS	\$ 8,400.00	\$	8,400.00
S associated fees	2	water line	1	LS	\$ 500.00	\$ 500.00	2	water line	1	LS	\$ 2,592.00	\$	2,592.00
4 construction	3	associated fees	1	LS	\$ 1,000.00	\$ 1,000.00	3		1	LS	\$ 110.00	\$	110.00
6 Traffic Control	4	· ·	1	LS	\$ 2,000.00	\$ 2,000.00	4		1	LS	\$ 4,200.00	\$	4,200.00
7 Saw-Cut AC	5	Construction Signs	1	LS	\$ 1,000.00	\$ 1,000.00	5	Construction Signs	1	LS	\$ 1,840.00	\$	1,840.00
Rebuild shoulder per Cross-Sections on improvement plans 220 CY \$ 20.00 \$ 4,400.00 \$ Rebuild shoulder per Cross-Sections on improvement plans 220 CY \$ 33.00 \$ \$ Provide a finistal 4" Class-II AB Shoulder (4ft wide) @ 95% Relative 7,600 SF 1.00 \$ 7,600.00 \$ Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative 7,600 SF 1.25 \$ \$ 1.00 \$ 1.00 \$ \$ 1.00 \$ 1.	6	Traffic Control	1	LS	\$ 2,500.00	\$ 2,500.00	6	Traffic Control	1	LS	\$ 11,500.00	\$ -	11,500.00
Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7	Saw-Cut AC	110	LF	\$ 1.00	\$ 110.00	7	Saw-Cut AC	110	LF	\$ 7.85	\$	863.50
Section Compaction Compac	8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 20.00	\$ 4,400.00	8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 33.00	\$	7,260.00
Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	9		7,600	SF	\$ 1.00	\$ 7,600.00	9		7,600	SF	\$ 1.25	\$	9,500.00
1	10		200	SF	\$ 5.00	\$ 1,000.00	10		200	SF	\$ 8.80	\$	1,760.00
13 Provide and Install 12" gate valve with valve box, lid and ring 2 EA \$ 2,245.00 \$ 4,490.00 13 Provide and Install 12" gate valve with valve box, lid and ring 2 EA \$ 2,245.00 \$ 4,490.00 13 Provide and Install 12" gate valve with valve box, lid and ring 2 EA \$ 3,165.00 \$ 14 Pressure test and disinfect water main 1 LS \$ 5,000.00 \$ 5,000.00 14 Pressure test and disinfect water main 1 LS \$ 6,650.00 \$ 15 Provide interim water line connection to 12" water main 1 LS \$ 6,650.00 \$ 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 10,000.00 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 10,000.00 18 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$ 1,000.00 \$ 10,000.00 19 Pavement striping and markers 1 LS \$ 5,100.00 \$ 1 LS \$	11		1	LS	\$ 2,000.00	\$ 2,000.00	11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 1,600.00	\$	1,600.00
14 Pressure test and disinfect water main 1 LS \$ 5,000.00 \$ 5,000.00 \$ 14 Pressure test and disinfect water main 1 LS \$ 5,000.00 \$ 15 Provide interim water line connection to 12" water main 1 LS \$ 3,500.00 \$ 15 Provide interim water line connection to 12" water main 1 LS \$ 3,500.00 \$ 15 Provide interim water line connection to 12" water main 1 LS \$ 7,100.00 \$ 16 Provide interim water line connection to 12" water main 1 LS \$ 7,100.00 \$ 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 10,000.00 \$ 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 10,000.00 \$ 18 Hold utility poles in place while trenching for the 12-inch water main 3 Provide and install Traffic sign 4 Provide and Install Traffic sign 5 Provide and Install Traffic sign 5 Provide interim water line connection to 12" water main 1 LS \$ 6,650.00 \$ 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks,		<u> </u>	2						2				4,800.00
15 Provide interim water line connection to 12" water main 1 LS \$ 3,500.00 \$ 3,500.00 \$ 15 Provide interim water line connection to 12" water main 1 LS \$ 3,500.00 \$ 3,500.00 \$ 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 10,000.00 \$ 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 10,000.00 \$ 18 Hold utility poles in place while trenching for the 12-inch water main 3 PRemove and Install Traffic sign 4 Pavement striping and markers 1 LS \$ 1,000.00 \$ 1,000.	13	· · ·	2		· · · · · · · · · · · · · · · · · · ·				2		· · · · · · · · · · · · · · · · · · ·		6,330.00
16 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 2,050 LF \$65.00 \$133,250.00 16 12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill 2,050 LF \$46.00 \$ 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$5,000.00 \$10,000.00 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$5,200.00 \$ 18 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$1,400.00 \$ 19 Remove and Install Traffic sign 1 EA \$1,000.00 \$1,000.00 20 Pavement striping and markers 1 LS \$5,100.00 \$ 19 Remove and markers 1 LS \$5,100.00 \$ 10,000.00 \$ 10,000.00 20 Pavement striping and markers 1 LS \$5,100.00 \$ 10,000.	14		1		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			1				6,650.00
restraints and trench back fill Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 10,000.00 \$ 17 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 10,000.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 4 EA \$ 5,200.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 4 EA \$ 5,200.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 5 EA \$ 5,200.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 5 EA \$ 5,200.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 5 EA \$ 5,200.00 \$ 1,000.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 5 EA \$ 5,200.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 5 EA \$ 5,200.00 \$ 1,000.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 5 EA \$ 5,200.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 5 EA \$ 5,200.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 5 EA \$ 5,200.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 5 EA \$ 5,000.00 \$ 18 Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers 6 EA \$ 5,000.00 \$ 18 Provide and install commercial f	15		1	LS	\$ 3,500.00	\$ 3,500.00	15		1	LS	\$ 7,100.00	\$	7,100.00
17 bollards, Type X Pavement Markers 2 EA \$ 5,000.00 \$ 10,000.00 17 bollards, Type X Pavement Markers 2 EA \$ 5,200.00 \$ 18 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$ 700.00 \$ 6,300.00 18 Hold utility poles in place while trenching for the 12-inch water main 9 EA \$ 1,400.00 \$ 19 Remove and Install Traffic sign 1 EA \$ 1,000.00 \$ 1,000.00 19 Remove and Install Traffic sign 1 EA \$ 2,000.00 \$ 20 Pavement striping and markers 1 LS \$ 1,000.00 \$ 1,000.00 20 Pavement striping and markers 1 LS \$ 5,100.00 \$	16	restraints and trench back fill	2,050	LF	\$ 65.00	\$ 133,250.00	16	restraints and trench back fill	2,050	LF	\$ 46.00	\$ 9	94,300.00
Hold utility poles in place while trenching for the 12-inch water main \$ 1,400.00 \$ 19 Remove and Install Traffic sign 1 EA \$ 1,000.00 \$ 1,000.	17		2	EA	\$ 5,000.00	\$ 10,000.00	17		2	EA	\$ 5,200.00	\$	10,400.00
20 Pavement striping and markers 1 LS \$ 1,000.00 \$ 1,000.00 20 Pavement striping and markers 1 LS \$ 5,100.00 \$	18		9	EA	•			· · · ·	9		. ,		12,600.00
	19	Remove and Install Traffic sign	1	EA	\$ 1,000.00	\$ 1,000.00	19	Remove and Install Traffic sign	1		. ,	\$	2,000.00
TOTAL BASE BID \$ 196 150 00	20	Pavement striping and markers	1	LS	\$ 1,000.00	\$ 1,000.00	20	Pavement striping and markers	1	LS	\$ 5,100.00	\$	5,100.00
TOTAL BASE BID \$ 196 150 00													
TOTAL DAGE DID \$ 190,100.00		TO	OTAL BAS	SE BID		\$ 196,150.00		TO	OTAL BAS	SE BID		\$ 19	98,905.50

Engineers Estimate \$205,000 November 3, 2011

Louise Avenue Surface Water Pipeline Project

	LML Enterprises, Inc.						Vulcan Construction & Maintenance, In				
ITEM#	DESCRIPTION	QTY	UNIT	ITEM COST	TOTAL COST	ITEM :	ITEM # DESCRIPTION (ITEM COST	TOTAL COST
1	Mobilization	1	LS	\$ 8,552.91	\$ 8,552.91	1	Mobilization	1	LS	\$ 12,800.00	\$ 12,800.00
2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 3,065.21	\$ 3,065.21	2	Pot hole to verify all necessary existing utilities and other to construct water line	1	LS	\$ 500.00	\$ 500.00
3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 844.49	\$ 844.49	3	File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) and associated fees	1	LS	\$ 4,800.00	\$ 4,800.00
4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 2,335.88		4	Provide and Install Stormwater Pollution Prevention on site during construction	1	LS	\$ 12,800.00	
5	Construction Signs	1	LS	\$ 1,497.22	' '	5	Construction Signs	1	LS	•	•
6	Traffic Control	1	LS	\$ 5,093.23	' '		Traffic Control	1	LS	\$ 35,000.00	
7	Saw-Cut AC	110	LF	\$ 24.33	\$ 2,676.30	7	Saw-Cut AC	110	LF	\$ 3.00	•
	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 20.21	\$ 4,446.20	8	Rebuild shoulder per Cross-Sections on improvement plans	220	CY	\$ 66.00	\$ 14,520.00
9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 3.36	\$ 25,536.00	9	Provide & Install 4" Class-II AB Shoulder (4ft wide) @ 95% Relative Compaction	7,600	SF	\$ 1.00	\$ 7,600.00
10	Trench Patch (4"AC/12"AB)	200	SF	\$ 38.67	\$ 7,734.00	10	Trench Patch (4"AC/12"AB)	200	SF	\$ 29.00	\$ 5,800.00
11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 4,531.58	\$ 4,531.58	11	Pave Two (2) existing driveways within Right-of-Way limits with 2"AC/4"AB	1	LS	\$ 2,100.00	\$ 2,100.00
12	Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 4,246.03			Connect to Existing 12" Water Stub, remove blow-off & blind flange	2	EA	\$ 3,600.00	
13	Provide and Install 12" gate valve with valve box, lid and ring	2	EA	\$ 2,684.82			Provide and Install 12" gate valve with valve box, lid and ring	2	EA	' '	' '
14	Pressure test and disinfect water main	1	LS	\$ 3,661.46		14	Pressure test and disinfect water main	1	LS	\$ 6,900.00	
15	Provide interim water line connection to 12" water main	1	LS	\$ 2,582.49	\$ 2,582.49	15	Provide interim water line connection to 12" water main	1	LS	\$ 9,700.00	\$ 9,700.00
16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 53.29	\$ 109,244.50	16	12-inch PVC DR 18 Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill	2,050	LF	\$ 45.00	\$ 92,250.00
17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 4,618.54	\$ 9,237.08	17	Provide and install commercial fire hydrants and assembly with 4 traffic bollards, Type X Pavement Markers	2	EA	\$ 5,900.00	\$ 11,800.00
18	Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 185.66			Hold utility poles in place while trenching for the 12-inch water main	9	EA	\$ 800.00	· · · · · · · · · · · · · · · · · · ·
19	Remove and Install Traffic sign	EA	\$ 882.96	'		Remove and Install Traffic sign	1		\$ 200.00	•	
20	Pavement striping and markers	1	LS	\$ 4,566.76	\$ 4,566.76	20	Pavement striping and markers	1	LS	\$ 3,000.00	\$ 3,000.00
	TC	TAL BAS	E BID	BID \$ 212,020.91			0.91 TOTAL BASE BID				\$ 240,500.00