

FORM D - Products and Services Offering (Tab B)

Offeror Name: Puris

Invitation No: TP07-18 Trenchless Pipe Rehabilitation Services

Item #	Unit	Pay Item Description	New Unit Price
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SECTION - A

Clean/TV & Evaluation for Gravity Pipelines:

A1	LF	Sewer Main Television Inspection (8" through 15" Diameter)	\$ 4.80
A2	LF	Sewer Main Television Inspection (18" through 24" Diameter)	\$ 7.20
A3	LF	Sewer Main Television Inspection (27" through 36" Diameter)	\$ 9.60
A4	LF	Sewer Main Television Inspection (42" through 48" Diameter)	\$ 14.40
A5	LF	Sewer Main Television Inspection (54" through 60" Diameter)	\$ 16.80
A6	LF	Sewer Main Television Inspection (66" through 72" Diameter)	\$ 26.40
A7	LF	Sewer Main Television Inspection (78" through 90" Diameter)	\$ 42.00
A8	LF	Sewer Main Television Insepction (96" through 108" Diameter)	\$ 48.00
A9	LF	Sewer Main Cleaning - Normal (8" through 15" Diameter)	\$ 4.80
A10	LF	Sewer Main Cleaning - Normal (18" through 24" Diameter)	\$ 7.20
A11	LF	Sewer Main Cleaning - Normal (27" through 36" Diameter)	\$ 9.60
A12	LF	Sewer Main Cleaning - Normal (42" through 48" Diameter)	\$ 14.40
A13	LF	Sewer Main Cleaning - Normal (54" through 60" Diameter)	\$ 16.80
A14	LF	Sewer Main Cleaning - Normal (66" through 72" Diameter)	\$ 26.40
A15	LF	Sewer Main Cleaning - Normal (78" through 90" Diameter)	\$ 42.00
A16	LF	Sewer Main Cleaning - Normal (96" through 108" Diameter)	\$ 48.00
A17	LF	Sewer Main Cleaning - Mechanical (8" through 15" Diameter)	\$ 7.20
A18	LF	Sewer Main Cleaning - Mechanical (18" through 24" Diameter)	\$ 9.60
A19	LF	Sewer Main Cleaning - Mechanical (27" through 36" Diameter)	\$ 30.00
A20	LF	Sewer Main Cleaning - Mechanical (42" through 48" Diameter)	\$ 42.00
A21	LF	Sewer Main Cleaning - Mechanical (54" through 60" Diameter)	\$ 45.60
A22	LF	Sewer Main Cleaning - Mechanical (66" through 72" Diameter)	\$ 66.00
A23	LF	Sewer Main Cleaning - Mechanical (78" through 90" Diameter)	\$ 96.00
A24	LF	Sewer Main Cleaning - Mechanical (96" through 108" Diameter)	\$ 132.00
A25	LF	6" Clean and TV storm sewer	\$ 6.62
A26	LF	8" Clean and TV storm sewer	\$ 6.62
A27	LF	10" Clean and TV storm sewer	\$ 8.28
A28	LF	12" Clean and TV storm sewer	\$ 8.28
A29	LF	15" Clean and TV storm sewer	\$ 11.59
A30	LF	18" Clean and TV storm sewer	\$ 16.56
A31	LF	21" Clean and TV storm sewer	\$ 19.87
A32	LF	24" Clean and TV storm sewer	\$ 23.18
A33	LF	27" Clean and TV storm sewer	\$ 24.84
A34	LF	30" Clean and TV storm sewer	\$ 33.12
A35	LF	33" Clean and TV storm sewer	\$ 41.40
A36	LF	36" Clean and TV storm sewer	\$ 49.68
A37	LF	42" Clean and TV storm sewer	\$ 66.24
A38	LF	48" Clean and TV storm sewer	\$ 82.80
A39	LF	54" Clean and TV storm sewer	\$ 99.36
A40	LF	60" Clean and TV storm sewer	\$ 120.00
A41	LF	66" Clean and TV storm sewer	\$ 138.00
A42	LF	72" Clean and TV storm sewer	\$ 156.00
A43	LF	78" Clean and TV storm sewer	\$ 174.00
A44	LF	84" Clean and TV storm sewer	\$ 192.00
A45	LF	90" Clean and TV storm sewer	\$ 210.00
A46	LF	96" Clean and TV storm sewer	\$ 228.00
A47	LF	102" Clean and TV storm sewer	\$ 246.00
A48	LF	108" Clean and TV storm sewer	\$ 264.00
A49	LF	114" Clean and TV storm sewer	\$ 282.00
A50	LF	Greater than 114" Clean and TV storm sewer	\$ 300.00
A51	LF	6" - 12" Post TV Inspection After Rehabilitation	\$ 6.00
A52	LF	14" - 20" Post TV Inspection After Rehabilitation	\$ 6.00
A53	LF	21" - 36" Post TV Inspection After Rehabilitation	\$ 10.80
A54	LF	37" - 42" Post TV Inspection After Rehabilitation	\$ 14.40
A55	LF	43" - 48" Post TV Inspection After Rehabilitation	\$ 26.40

A56	LF	49"- 54" Post TV Inspection After Rehabilitation	\$ 38.40
A57	LF	55"- 60" Post TV Inspection After Rehabilitation	\$ 50.40
A58	LF	61"- 72" Post TV Inspection After Rehabilitation	\$ 62.40
A59	LF	73" or Larger Post TV Inspection After Rehabilitation	\$ 74.40
A60	EA	Heavy Lift Station Cleaning (Remove all Debris to Bottom of LS - 4 hr minimum)	\$ 5,174.40
A61	HR	Major Lift Station Cleaning - Additional Hours	\$ 1,293.60
A62	EA	Minor Lift Station Cleaning (Skimming Top of LS - 4 hr minimum)	\$ 1,380.00
A63	HR	Minor Lift Station Cleaning - Additional Hours	\$ 345.00
A64	HR	Vactor Truck Services	\$ 600.00
A65	YD	Waste Water Treatment Plant Debris Removal/Sludge Hauling (Small)	\$ 108.00
A66	YD	Waste Water Treatment Plant Debris Removal/Sludge Hauling (Large)	\$ 420.00
A67	EA	Re-setup for TV Due to Point Repairs or Obstructions	\$ 360.00
A68	LF	Mechanical Root removal	\$ 9.60
A69	LF	Grease removal	\$ 3.86
A70	EA	Other Remote Obstruction removal (max. 5 lf)	\$ 828.00
A71	LF	Smoke Testing	\$ 2.21
A72	EA	Manhole/Cleanout & Sewer Line Visual Inspection	\$ 220.80
A73	EA	GPS Survey of Manholes & Cleanouts	\$ 480.00
A74	EA	Heavy Debris Removal - MAN ENTRY	\$ 300.00
A75	EA	Heavy Debris Removal - LARGE DIAMETER MAN ENTRY	\$ 600.00
A76	LF	Heavy Debris Removal - REMOTE ENTRY	\$ 1,200.00
A77	EA	Dyed Water Flooding/Leak Quantification & Evaluation	\$ 386.40
A7	EA	Vactor Truck Mobilization	\$ 1,200.00

SECTION - B

Centrifugally Cast Pipe Rehabilitation for Sewer Lines:

B1	LF	30" STORM PIPE - ECOCAST REHABILITATION - 1." Thickness	\$ 540.00
B2	LF	36" STORM PIPE - ECOCAST REHABILITATION - 1." Thickness	\$ 384.00
B3	LF	42" STORM PIPE - ECOCAST REHABILITATION - 1." Thickness	\$ 420.00
B4	LF	48" STORM PIPE - ECOCAST REHABILITATION - 1." Thickness	\$ 486.00
B5	LF	54" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 570.00
B6	LF	60" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 690.00
B7	LF	66" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 858.00
B8	LF	72" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,020.00
B9	LF	78" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,110.00
B10	LF	84" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,290.00
B11	LF	90" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,440.00
B12	LF	96" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,800.00
B13	LF	102" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 2,160.00
B14	LF	108" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 2,760.00
B15	LF	Greater than 108" STORM PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 3,240.00
B16	LF	30" SANITARY PIPE - ECOCAST REHABILITATION - 1." Thickness	\$ 540.00
B17	LF	36" SANITARY PIPE - ECOCAST REHABILITATION - 1." Thickness	\$ 384.00
B18	LF	42" SANITARY PIPE - ECOCAST REHABILITATION - 1." Thickness	\$ 420.00
B19	LF	48" SANITARY PIPE - ECOCAST REHABILITATION - 1" Thickness	\$ 486.00
B20	LF	54" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 570.00
B21	LF	60" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 690.00
B22	LF	66" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 858.00
B23	LF	72" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,020.00
B24	LF	78" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,110.00
B25	LF	84" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,290.00
B26	LF	90" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,440.00
B27	LF	96" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 1,800.00
B28	LF	102" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 2,160.00
B29	LF	108" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 2,760.00
B30	LF	Greater than 108" SANITARY PIPE - ECOCAST REHABILITATION - 1.5" Thickness	\$ 3,240.00
B31	LF	EACH ADDITIONAL .5" Thickness	\$ 138.00
B32	GAL	AMS APPLICATION	\$ 348.00
B33	CY	CHANNEL EXCAVATION	\$ 60.00
B34	CY	DEBRIS REMOVAL	\$ 78.00
B35	AC	CLEARING AND GRUBBING	\$ 5,400.00
B36	EACH	TREE REMOVAL (6" – 12")	\$ 1,800.00
B37	EACH	TREE REMOVAL (13" – 23")	\$ 3,600.00
B38	EACH	TREE REMOVAL (> 24")	\$ 6,000.00

B39	EACH	REWORK CATCHBASIN COVER TO ACCEPT NEW MANHOLE COVERS	\$ 1,440.00
B40	EACH	SERVICE LATERAL REINSTATEMENT - MAN ENTRY	\$ 800.00

SECTION - C

Cured-In-Place Pipe (CIPP) Rehabilitation for Sewer Lines:

C1	LF	6" x 4.5mm	\$ 48.00
C2	LF	8" x 6.0mm	\$ 54.00
C3	LF	10" x 6.0mm	\$ 66.00
C4	LF	12" x 6.0mm	\$ 78.00
C5	LF	15" x 7.5mm	\$ 96.00
C6	LF	18" x 9.0mm	\$ 114.00
C7	LF	21" x 9.0mm	\$ 132.00
C8	LF	24" x 10.5mm	\$ 168.00
C9	LF	27" x 10.5mm	\$ 192.00
C10	LF	30" x 12.0mm	\$ 222.00
C11	LF	33" x 12.0mm	\$ 270.00
C12	LF	36" x 12.0mm	\$ 300.00
C13	LF	42" x 13.5mm	\$ 330.00
C14	LF	48" x 15.0mm	\$ 540.00
C15	LF	54" x 18.0mm	\$ 690.00
C16	LF	60" x 22.5mm	\$ 810.00
C17	LF	6" & 8" Additional 1.5mm	\$ 3.60
C18	LF	10" & 12" Additional 1.5mm	\$ 7.20
C19	LF	15" & 18" Additional 1.5mm	\$ 19.20
C20	LF	21" & 24" Additional 1.5mm	\$ 33.60
C21	LF	27" Additional 1.5mm	\$ 38.40
C22	LF	30" Additional 1.5mm	\$ 45.60
C23	EA	33" Additional 1.5mm	\$ 50.40
C24	EA	36" Additional 1.5mm	\$ 60.00
C25	EA	42" Additional 1.5mm	\$ 66.00
C26	EA	48" Additional 1.5mm	\$ 74.40
C27	EA	54" Additional 1.5mm	\$ 84.00
C28	EA	60" Additional 1.5mm	\$ 102.00
C29	EA	Internal reconnects on Cured-in-place pipe	\$ 331.20
C30	LF	4"-6" Installation and cure of lateral liner from main <12" dia.	\$ 5,520.00
C31	LF	4"-6" Installation and cure of lateral liner from surface clean out to main	\$ 7,176.00
C32	EA	4"-6" Set-up for installations of <20 each total	\$ 5,520.00
C33	EA	4"-6" Set-up for installations of 20-50 each total	\$ 3,864.00
C34	EA	4"-6" Set-up for installations of 51-150 each total	\$ 2,208.00
C35	EA	6" - 12" CIPP Setup Charge (< 300 LF)	\$ 4,200.00
C36	EA	15" - 21" CIPP Setup Charge (< 300 LF)	\$ 7,200.00
C37	EA	24" - 36" CIPP Setup Charge (< 300 LF)	\$ 10,200.00
C38	EA	36" or Larger CIPP Setup Charge (< 300 LF)	\$ 15,000.00
C39	EA	Backyard Easement Setup (6" - 10")	\$ 3,000.00
C40	EA	Backyard Easement Setup (12" - 18")	\$ 4,200.00
C41	SY	Timber Matting for Large Diameter Setup	\$ 100.00

Note: Any CIPP over 60" will be on an individual quote basis.

SECTION - D

Pipe Bursting Rehabilitation for Sewer Lines:

D1	LF	Burst existing 6" to 6" IPS SDR 19 (0'- 8' deep)	\$ 62.40
D2	LF	Burst existing 6" to 6" IPS SDR 19 (8'- 12' deep)	\$ 67.60
D3	LF	Burst existing 6" to 6" IPS SDR 19 (12'- 16' deep)	\$ 75.40
D4	LF	Burst existing 6" or 8" to 8" IPS SDR 19 (0'- 8' deep)	\$ 70.20
D5	LF	Burst existing 6" or 8" to 8" IPS SDR 19 (8'- 12' deep)	\$ 74.10
D6	LF	Burst existing 6" or 8" to 8" IPS SDR 19 (12'- 16' deep)	\$ 78.00
D7	LF	Burst existing 8" or 10" to 10" IPS SDR 19 (0'- 8' deep)	\$ 80.60
D8	LF	Burst existing 8" or 10" to 10" IPS SDR 19 (8'- 12' deep)	\$ 87.10
D9	LF	Burst existing 8" or 10" to 10" IPS SDR 19 (12'- 16' deep)	\$ 92.30
D10	LF	Burst existing 10" or 12" to 12" IPS SDR 19 (0'- 8' deep)	\$ 89.70
D11	LF	Burst existing 10" or 12" to 12" IPS SDR 19 (8'- 12' deep)	\$ 94.90
D12	LF	Burst existing 10" or 12" to 12" IPS SDR 19 (12'- 16' deep)	\$ 104.00
D13	LF	Burst existing 12" or 15" to 16" IPS SDR 19 (0'- 8' deep)	\$ 101.40
D14	LF	Burst existing 12" or 15" to 16" IPS SDR 19 (8'- 12' deep)	\$ 109.20

D15	LF	Burst existing 12" or 15" to 16" IPS SDR 19 (12'- 16' deep)	\$ 127.40
D16	LF	Burst existing 15" or 18" to 18" IPS SDR 19 (0'- 8' deep)	\$ 130.00
D17	LF	Burst existing 15" or 18" to 18" IPS SDR 19 (8'- 12' deep)	\$ 143.00
D18	LF	Burst existing 15" or 18" to 18" IPS SDR 19 (12'- 16' deep)	\$ 169.00
D19	LF	Burst existing 18" or 21" to 22" IPS SDR 19 (0'- 8' deep)	\$ 175.50
D20	LF	Burst existing 18" or 21" to 22" IPS SDR 19 (8'- 12' deep)	\$ 182.00
D21	LF	Burst existing 18" or 21" to 22" IPS SDR 19 (12'- 16' deep)	\$ 201.50
D22	LF	Burst existing 21" or 24" to 24" IPS SDR 19 (0'- 8' deep)	\$ 214.50
D23	LF	Burst existing 21" or 24" to 24" IPS SDR 19 (8'- 12' deep)	\$ 227.50
D24	LF	Burst existing 21" or 24" to 24" IPS SDR 19 (12'- 16' deep)	\$ 240.50
D25	LF	Burst existing 24" or 27" to 28" IPS SDR 19 (0'- 8' deep)	\$ 247.00
D26	LF	Burst existing 24" or 27" to 28" IPS SDR 19 (8'- 12' deep)	\$ 260.00
D27	LF	Burst existing 24" or 27" to 28" IPS SDR 19 (12'- 16' deep)	\$ 299.00
D28	LF	Burst existing 27" or 30" to 30" IPS SDR 19 (0'- 8' deep)	\$ 318.50
D29	LF	Burst existing 27" or 30" to 30" IPS SDR 19 (8'- 12' deep)	\$ 331.50
D30	LF	Burst existing 27" or 30" to 30" IPS SDR 19 (12'- 16' deep)	\$ 357.50
D31	EA	8" - 12" Pipeburst Setup Charge (< 300 LF)	\$ 6,000.00
D32	EA	16" - 22" Pipeburst Setup Charge (< 300 LF)	\$ 12,000.00
D32	EA	24" or Larger Pipeburst Setup Charge (< 300 LF)	\$ 24,000.00
D31	EA	Lateral Services Reconnect (0'-8' deep)	\$ 800.00
D32	EA	Lateral Services Reconnect (8'-12' deep)	\$ 1,200.00
D33	EA	Lateral Services Reconnect (12'-16' deep)	\$ 1,600.00

Note: Any pipebursting over 30", greater than 1 standard size increase, or deeper than 16' will be on an individual quote basis.

SECTION - E

Pipe Bursting Rehabilitation for Water Lines:

E1	LF	Install 2" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	\$ 75.00
E2	LF	Install 4" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	\$ 95.00
E3	LF	Install 6" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	\$ 115.00
E4	LF	Install 8" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	\$ 125.00
E5	LF	Install 10" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	\$ 135.00
E6	LF	Install 12" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	\$ 155.00
E7	EA	6" Flow Stop	\$ 5,312.50
E8	EA	8" Flow Stop	\$ 6,656.25
E9	EA	10" Flow Stop	\$ 7,687.50
E10	EA	12" Flow Stop	\$ 9,031.25
E11	EA	3/4" Service Tap, Install on 4"-8" Waterline	\$ 806.25
E12	EA	1" Service Tap, Install on 4"-8" Waterline	\$ 868.75
E13	EA	1.5" Service Tap, Install on 4"-8" Waterline	\$ 1,218.75
E14	EA	2" Service Tap, Install on 4"-8" Waterline	\$ 1,875.00
E15	EA	3/4" Service Tap, Install on 10"-12" Waterline	\$ 856.25
E16	EA	1" Service Tap, Install on 10"-12" Waterline	\$ 900.00
E17	EA	1.5" Service Tap, Install on 10"-12" Waterline	\$ 1,243.75
E18	EA	2" Service Tap, Install on 10"-12" Waterline	\$ 2,000.00
E19	EA	Install 4"-8" tee, to any size	\$ 3,240.00
E20	EA	Install 10"-12" tee, to any size	\$ 4,522.50
E21	EA	Install 4"-8" mechanical joint wet connection, to any size	\$ 2,403.00
E22	EA	Install 10"-12" wet connection, to any size	\$ 5,670.00
E23	LF	Auger and encase 4"-8", all depths, complete in place (to include pipe in casing)	\$ 270.00
E24	LF	Auger and encase 10"-12", all depths, complete in place (to include pipe in casing)	\$ 540.00
E25	CY	Annual and void space grouting	\$ 151.20
E26	EA	Install 1" Corporation Stop with Valve Box	\$ 400.00
E27	EA	Install 2" Corporation Stop with Valve Box	\$ 700.00
E28	EA	Install 4" gate valve & box	\$ 600.00
E29	EA	Install 6" gate valve & box	\$ 800.00
E30	EA	Install 8" gate valve & box	\$ 1,200.00
E31	EA	Install 12" gate valve & box	\$ 2,200.00
E32	EA	Install 8"x2" service saddle	\$ 900.00
E33	EA	Install 12"x1" service saddle	\$ 1,200.00
E34	EA	Install 12"x2" service saddle	\$ 1,300.00
E35	EA	Connect new 1" water line w/existing 1" water line	\$ 300.00
E36	EA	Connect new 2" water line w/existing 2" water line	\$ 500.00
E37	EA	Connect new 4" water line w/existing 4" water line	\$ 600.00

E38	EA	Connect new 6" water line w/existing 6" water line	\$ 700.00
E39	EA	Connect new 8" water line w/existing 8" water line	\$ 800.00
E40	EA	Connect new 12" water line w/existing 12" water line	\$ 1,000.00
E41	EA	Install 3/4 inch service connections	\$ 525.00
E42	EA	Remove and dispose of existing fire hydrant	\$ 500.00
E43	EA	Salvage existing fire hydrant and re-install in new location	\$ 2,600.00
E44	TON	Repair pavement with cold mix asphalt	\$ 100.00
E45	EA	Furnish and install 8" x 6" ductile iron fire hydrant tee	\$ 535.00
E46	EA	Furnish and install 6" ductile iron pipe fire hydrant lead piping	\$ 625.00
E47	EA	Furnish and install 8" x 6" fire hydrant or approved equal, including lead and FH valve	\$ 4,100.00

SECTION - F

Sliplining With HDPE or FRP Rehabilitation:

F1	LF	6" HDPE IPS SDR 21 (0'- 8' deep)	\$ 46.00
F2	LF	6" HDPE IPS SDR 21 (8'- 12' deep)	\$ 50.60
F3	LF	6" HDPE IPS SDR 21 (12'- 16' deep)	\$ 55.20
F4	LF	8" HDPE IPS SDR 21 (0'- 8' deep)	\$ 46.00
F5	LF	8" HDPE IPS SDR 21 (8'- 12' deep)	\$ 50.60
F6	LF	8" HDPE IPS SDR 21 (12'- 16' deep)	\$ 55.20
F7	LF	10" HDPE IPS SDR 21 (0'- 8' deep)	\$ 50.60
F8	LF	10" HDPE IPS SDR 21 (8'- 12' deep)	\$ 55.20
F9	LF	10" HDPE IPS SDR 21 (12'- 16' deep)	\$ 59.80
F10	LF	12" HDPE IPS SDR 21 (0'- 8' deep)	\$ 59.80
F11	LF	12" HDPE IPS SDR 21 (8'- 12' deep)	\$ 64.40
F12	LF	12" HDPE IPS SDR 21 (12'- 16' deep)	\$ 69.00
F13	LF	16" HDPE IPS SDR 21 (0'- 8' deep)	\$ 69.00
F14	LF	16" HDPE IPS SDR 21 (8'- 12' deep)	\$ 78.20
F15	LF	16" HDPE IPS SDR 21 (12'- 16' deep)	\$ 92.00
F16	LF	18" HDPE IPS SDR 21 (0'- 8' deep)	\$ 82.80
F17	LF	18" HDPE IPS SDR 21 (8'- 12' deep)	\$ 92.00
F18	LF	18" HDPE IPS SDR 21 (12'- 16' deep)	\$ 110.40
F19	LF	20" HDPE IPS SDR 21 (0'- 8' deep)	\$ 110.40
F20	LF	20" HDPE IPS SDR 21 (8'- 12' deep)	\$ 119.60
F21	LF	20" HDPE IPS SDR 21 (12'- 16' deep)	\$ 133.40
F22	LF	24" HDPE IPS SDR 21 (0'- 8' deep)	\$ 128.80
F23	LF	24" HDPE IPS SDR 21 (8'- 12' deep)	\$ 138.00
F24	LF	24" HDPE IPS SDR 21 (12'- 16' deep)	\$ 151.80
F25	LF	27" Installation of FRP or SRPCP segments (20 lf std. Segments)	\$ 253.00
F26	LF	30" Installation of FRP or SRPCP segments (20 lf std. Segments)	\$ 276.00
F27	LF	36" Installation of FRP or SRPCP segments (20 lf std. Segments)	\$ 322.00
F28	LF	42" Installation of FRP or SRPCP segments (20 lf std. Segments)	\$ 368.00
F29	LF	48" Installation of FRP or SRPCP segments (20 lf std. Segments)	\$ 506.00
F30	LF	54" Installation of FRP or SRPCP segments (20 lf std. Segments)	\$ 552.00
F31	LF	60" Installation of FRP or SRPCP segments (20 lf std. Segments)	\$ 736.00
F32	LF	72" Installation of FRP or SRPCP segments (20 lf std. Segments)	\$ 920.00
F33	LF	27" Installation of FRP or SRPCP segments <10lf joints	\$ 303.60
F34	LF	30" Installation of FRP or SRPCP segments <10lf joints	\$ 331.20
F35	LF	36" Installation of FRP or SRPCP segments <10lf joints	\$ 386.40
F36	LF	42" Installation of FRP or SRPCP segments <10lf joints	\$ 441.60
F37	LF	48" Installation of FRP or SRPCP segments <10lf joints	\$ 607.20
F38	LF	54" Installation of FRP or SRPCP segments <10lf joints	\$ 662.40
F39	LF	60" Installation of FRP or SRPCP segments <10lf joints	\$ 883.20
F40	LF	72" Installation of FRP or SRPCP segments <10lf joints	\$ 1,104.00
F41	LS	27" Set-up for contiguous installations < 150 lf	\$ 920.00
F42	LS	30" Set-up for contiguous installations < 150 lf	\$ 1,840.00
F43	LS	36" Set-up for contiguous installations < 150 lf	\$ 1,840.00
F44	LS	42" Set-up for contiguous installations < 150 lf	\$ 1,840.00
F45	LS	48" Set-up for contiguous installations < 150 lf	\$ 1,840.00
F46	LS	54" Set-up for contiguous installations < 150 lf	\$ 1,840.00
F47	LS	60" Set-up for contiguous installations < 150 lf	\$ 1,840.00
F48	LS	72" Set-up for contiguous installations < 150 lf	\$ 1,840.00
F49	CUFT	All Sizes Annular space grouting cement slurry base	\$ 60.00
F50	LS	All Sizes Set-up for annular space grouting <100 cubic feet	\$ 5,000.00

F51	LB	High Density Urethane for grouting, slab lifting, void filling, pipe sealing etc.(500lb.min)	\$ 92.00
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SECTION - G

Manhole and Structure Rehabilitation:

G1	VF	Manhole Rehabilitation (Standard 4-ft Diameter) - 1-inch cementitious	\$ 162.50
G2	SQFT	Sewer Structure Rehabilitation (Non-circular or manholes greater than 4-ft Diameter) - 1-inch cementitious	\$ 45.50
G3	VF	Manhole Rehabilitation - Epoxy/Polyurea/or approved equal - (Standard 4-ft Diameter)	\$ 520.00
G4	SQFT	Sewer Structure Rehabilitation (Non-circular or manholes greater than 4-ft Diameter) - Epoxy/Polyurea/or approved equal	\$ 104.00
G5	VF	Manhole Rehabilitation - w/1 inch Geopolymer	\$ 520.00
G6	SQFT	Sewer Structure Rehabilitation (Non-circular or manholes greater than 4-ft Diameter) - 1-inch Geopolymer	\$ 188.50
G7	EA	Installation of FRP rehabilitation structures up to 6' depth (Standard 4-ft Diameter)	\$ 2,340.00
G8	VF	Additional depth for FRP rehabilitation structures (Standard 4-ft Diameter)	\$ 520.00
G9	SQFT	All Sizes Installation of poured in place structure without forms remaining depth <10 vf	\$ 117.00
G10	SQFT	All Sizes Installation of poured in place structure with forms remaining depth <10 vf	\$ 117.00
G11	SQFT	All Sizes Installation of poured in place structure without forms remaining depth +10 vf <20 vf	\$ 117.00
G12	SQFT	All Sizes Installation of poured in place structure with forms remaining depth +10 vf <20 vf	\$ 117.00
G13	SQFT	All Sizes Installation of poured in place structure without forms remaining depth +20 vf <40 vf	\$ 117.00
G14	SQFT	All Sizes Installation of poured in place structure with forms remaining depth +20 vf <40 vf	\$ 117.00
G15	LS	All Sizes Set-up for install of poured in place MH structure <100 sq ft	\$ 1,794.00
G16	EA	All Sizes Installation of Manhole Chimney Seal	\$ 717.60
G17	EA	New manhole frame and cover-24"	\$ 1,105.00
G18	EA	New manhole frame and cover-32"	\$ 1,950.00
G19	EA	Premium manhole frame and cover (i.e. CertainTeed PAM locking units etc.)-24"	\$ 1,560.00
G20	EA	Premium manhole frame and cover (i.e. CertainTeed PAM locking units etc.)-32"	\$ 2,080.00
G21	EA	Adjust manhole frame and cover up to 1 Ft	\$ 1,235.00
G22	VF	Adjust manhole frame and cover over 1 Ft	\$ 650.00
G23	EACH	INVERT INSTALLATION, 4' DIAMETER	\$ 325.00
G24	EACH	INVERT INSTALLATION, 5' DIAMETER	\$ 520.00
G25	EACH	INVERT INSTALLATION, 6' DIAMETER	\$ 975.00
G26	SF	INVERT INSTALLATION, OTHER CONFIGURATIONS	\$ 110.50

SECTION - H

Excavation and Additional Items:

H1	EA	6" - 8" Point repair (0'- 8' deep) up to 12 LF	\$ 5,400.00
H2	EA	6" - 8" Point repair (8'- 12' deep) up to 12 LF	\$ 6,600.00
H3	EA	6" - 8" Point repair (12'-16' deep) up to 12 LF	\$ 8,400.00
H4	EA	10" - 12" Point repair (0'- 8' deep) up to 12 LF	\$ 6,600.00
H5	EA	10" - 12" Point repair (8'- 12' deep) up to 12 LF	\$ 8,400.00
H6	EA	10" - 12" Point repair (12'-16' deep) up to 12 LF	\$ 11,400.00
H7	EA	15" - 18" Point repair (0'-8' deep) up to 12 LF	\$ 8,400.00
H8	EA	15" - 18" Point repair (8'-12' deep) up to 12 LF	\$ 12,000.00
H9	EA	15" - 18" Point repair (12'-16' deep) up to 12 LF	\$ 15,000.00
H10	EA	21" - 24" Point repair (0'-8' deep) up to 12 LF	\$ 12,000.00
H11	EA	21" - 24" Point repair (8'-12' deep) up to 12 LF	\$ 15,000.00
H12	EA	21" - 24" Point repair (12'-16' deep) up to 12 LF	\$ 18,000.00
H13	LF	4" Open Cut (0'-8' deep)	\$ 60.00
H14	LF	4" Open Cut (8'-12' deep)	\$ 66.00
H15	LF	4" Open Cut (12'-16' deep)	\$ 78.00
H16	LF	6" Open Cut (0'-8' deep)	\$ 72.00
H17	LF	6" Open Cut (8'-12' deep)	\$ 78.00
H18	LF	6" Open Cut (12'-16' deep)	\$ 90.00
H19	LF	8" Open Cut (0'-8' deep)	\$ 90.00
H20	LF	8" Open Cut (8'-12' deep)	\$ 96.00
H21	LF	8" Open Cut (12'-16' deep)	\$ 108.00
H22	LF	10" Open Cut (0'-8' deep)	\$ 102.00
H23	LF	10" Open Cut (8'-12' deep)	\$ 108.00

H24	LF	10" Open Cut (12'-16' deep)	\$ 120.00
H25	LF	12" Open Cut (0'-8' deep)	\$ 120.00
H26	LF	12" Open Cut (8'-12' deep)	\$ 132.00
H27	LF	12" Open Cut (12'-16' deep)	\$ 156.00
H28	LF	15" Open Cut (0'-8' deep)	\$ 150.00
H29	LF	15" Open Cut (8'-12' deep)	\$ 168.00
H30	LF	15" Open Cut (12'-16' deep)	\$ 192.00
H31	LF	18" Open Cut (0'-8' deep)	\$ 186.00
H32	LF	18" Open Cut (8'-12' deep)	\$ 210.00
H33	LF	18" Open Cut (12'-16' deep)	\$ 234.00
H34	LF	21" Open Cut (0'-8' deep)	\$ 228.00
H35	LF	21" Open Cut (8'-12' deep)	\$ 264.00
H36	LF	21" Open Cut (12'-16' deep)	\$ 300.00
H37	LF	24" Open Cut (0'-8' deep)	\$ 288.00
H38	LF	24" Open Cut (8'-12' deep)	\$ 324.00
H39	LF	24" Open Cut (12'-16' deep)	\$ 360.00
H40	LF	30" Open Cut (0'-8' deep)	\$ 372.00
H41	LF	30" Open Cut (8'-12' deep)	\$ 432.00
H42	LF	30" Open Cut (12'-16' deep)	\$ 480.00
H43	LF	36" Open Cut (0'-8' deep)	\$ 456.00
H44	LF	36" Open Cut (8'-12' deep)	\$ 504.00
H45	LF	36" Open Cut (12'-16' deep)	\$ 540.00
H46	LF	42" Open Cut (0'-8' deep)	\$ 540.00
H47	LF	42" Open Cut (8'-12' deep)	\$ 588.00
H48	LF	42" Open Cut (12'-16' deep)	\$ 720.00
H49	EA	Remove and replace or install cleanout	\$ 2,208.00
H50	EA	Pipe Seal Fix (8" Diameter)	\$ 4,200.00
H51	EA	Pipe Seal Fix (10" Diameter)	\$ 4,368.00
H52	EA	Pipe Seal Fix (12" Diameter)	\$ 4,536.00
H53	EA	Pipe Seal Fix (15" Diameter)	\$ 4,872.00
H54	EA	Pipe Seal Fix (18" Diameter)	\$ 5,208.00
H55	EA	Pipe Seal Fix (21" Diameter)	\$ 5,712.00
H56	EA	Pipe Seal Fix (24" Diameter)	\$ 6,384.00
H57	EA	Access Pit (0'-8' deep)	\$ 3,000.00
H58	EA	Access Pit (8'-12' deep)	\$ 3,300.00
H59	EA	Access Pit (12'-16' deep)	\$ 5,400.00
H60	EA	Access Pit (16'-20' deep)	\$ 9,600.00
H61	EA	Access Pit (over 20' deep)	\$ 22,800.00
H62	EA	Potholing for Nearby Utility Location or Obstruction Removal (0'-8' deep)	\$ 828.00
H63	EA	Potholing for Nearby Utility Location or Obstruction Removal (8'-12' deep)	\$ 1,324.80
H64	EA	Potholing for Nearby Utility Location or Obstruction Removal (12'-16' deep)	\$ 1,766.40
H65	EA	Potholing for Nearby Utility Location or Obstruction Removal (16'-20' deep)	\$ 2,640.00
H66	LF	Trench safety (0-8' deep)	\$ 6.00
H67	LF	Trench safety (8-12' deep)	\$ 9.60
H68	LF	Trench safety (12-16' deep)	\$ 24.00
H69	LF	Trench safety (16-20' deep)	\$ 42.00
H70	LF	Trench safety over 20' deep)	\$ 120.00
H71	EA	Install New 4' DIA precast manhole 0' - 6' deep	\$ 5,400.00
H72	VF	Extra depth 4' DIA precast manhole over 6' deep	\$ 780.00
H73	EA	Install New 5' DIA precast manhole 0' - 6' deep	\$ 7,500.00
H74	VF	Extra depth 5' DIA precast manhole over 6' deep	\$ 1,320.00
H75	EA	Install New 6' DIA precast manhole 0' - 6' deep	\$ 12,600.00
H76	VF	Extra depth 6' DIA precast manhole over 6' deep	\$ 1,620.00
H77	EA	Install New 4' DIA fiberglass manhole 0' - 6' deep	\$ 5,400.00
H78	VF	Extra depth 4' DIA fiberglass manhole over 6' deep	\$ 780.00
H79	EA	Install New 5' DIA fiberglass manhole 0' - 6' deep	\$ 7,500.00
H80	VF	Extra depth 5' DIA fiberglass manhole over 6' deep	\$ 1,320.00
H81	EA	Install New 6' DIA fiberglass manhole 0' - 6' deep	\$ 12,600.00
H82	VF	Extra depth 6' DIA fiberglass manhole over 6' deep	\$ 1,620.00
H83	EA	Sanitary Sewer Structure, Type B Structure, Up to 6' deep	\$ 6,000.00
H84	VF	Extra Depth Type B Structure, greater than 6' depth	\$ 600.00
H85	EA	Sanitary Sewer Structure, Type C Structure, Up to 6' deep	\$ 7,800.00
H86	VF	Extra Depth Type C Structure, greater than 6' depth	\$ 600.00
H87	Ton	Cement stabilized sand	\$ 54.00

H88	Ton	Granular backfill/Crushed Rock	\$ 42.00
H89	CY	Flowable Fill	\$ 168.00
H90	EA	Dewatering setup (well pointing) maximum 20' deep, includes 20 linear feet setup	\$ 9,000.00
H91	LF	Extra length dewatering over 20 linear feet	\$ 120.00
H92	DAY	Operation Maintain Well Points by the Day	\$ 360.00
H93	CY	Extra hand excavation	\$ 120.00

Note: Any point repair above 24" or digging item deeper than 20' is on an individual quote basis.

SECTION - I

Horizontal Directional Drilling (HDD):

REMOVED

SECTION - J

Bypass Pumping for Gravity Pipe and Associated Items:

J1	EA	Set Up 4" Pump (Per Pump)	\$ 2,500.00
J2	EA	Set Up 6" Pump (Per Pump)	\$ 4,800.00
J3	EA	Set Up 8" Pump (Per Pump)	\$ 11,000.00
J4	EA	Set Up 12" Pump (Per Pump)	\$ 17,400.00
J5	LF	Set Up 4" Piping	\$ 100.00
J6	LF	Set Up 6" Piping	\$ 110.00
J7	LF	Set Up 8" Piping	\$ 120.00
J8	LF	Set Up 12" Piping	\$ 130.00
J9	LF	Set Up 18" Piping	\$ 150.00
J10	DAY	Operate 4" pumping System	\$ 500.00
J11	DAY	Operate 6" pumping System	\$ 2,880.00
J12	DAY	Operate 8" pumping System	\$ 5,640.00
J13	DAY	Operate 12" pumping System	\$ 8,840.00
J14	EA	Bypass - Driveway Ramp (Setup, Operate, Maintain)	\$ 3,000.00
J15	EA	Bypass - Street Ramp (Setup, Operate, Maintain)	\$ 3,000.00
J16	LF	Bypass - Street Trenching for 8" Pipe (Setup, Operate, Maintain)	\$ 115.00
J17	LF	Bypass - Street Trenching for 12" Pipe (Setup, Operate, Maintain)	\$ 120.00
J18	LF	Bypass - Street Trenching for 18" Pipe (Setup, Operate, Maintain)	\$ 150.00
J19	EA	Bypass Plan (3rd Party Certified)	\$ 2,000.00

SECTION - K

Pressure Pipe Lining and Reinforced Pressure Pipe Lining System:

Potable Pressure Pipelines

K1	LF	6" Installation of Pressure Pipe Lining	\$ 360.00
K2	LF	8" Installation of Pressure Pipe Lining	\$ 405.00
K3	LF	10" Installation of Pressure Pipe Lining	\$ 465.00
K4	LF	12" Installation of Pressure Pipe Lining	\$ 516.00
K5	LF	15" Installation of Pressure Pipe Lining	\$ 585.00
K6	LF	18" Installation of Pressure Pipe Lining	\$ 705.00
K7	LF	21" Installation of Pressure Pipe Lining	\$ 786.00
K8	LF	24" Installation of Pressure Pipe Lining	\$ 879.00
K9	LF	27" Installation of Pressure Pipe Lining	\$ 960.00
K10	LF	30" Installation of Pressure Pipe Lining	\$ 1,185.00
K11	LF	33" Installation of Pressure Pipe Lining	\$ 1,380.00
K12	LF	36" Installation of Pressure Pipe Lining	\$ 1,518.00
K13	LF	39" Installation of Pressure Pipe Lining	\$ 1,746.00
K14	LF	42" Installation of Pressure Pipe Lining	\$ 2,070.00
K15	LF	48" Installation of Pressure Pipe Lining	\$ 2,760.00
K16	LF	54" Installation of Pressure Pipe Lining	\$ 3,300.00

Non-Potable Pressure Pipelines

K17	LF	6" Reinforced Pressure Pipe Lining	\$ 270.00
K18	LF	8" Reinforced Pressure Pipe Lining	\$ 330.00
K19	LF	10" Reinforced Pressure Pipe Lining	\$ 390.00
K20	LF	12" Reinforced Pressure Pipe Lining	\$ 450.00
K21	LF	15" Reinforced Pressure Pipe Lining	\$ 510.00
K22	LF	18" Reinforced Pressure Pipe Lining	\$ 630.00
K23	LF	21" Reinforced Pressure Pipe Lining	\$ 696.00

K24	LF	24" Reinforced Pressure Pipe Lining	\$ 855.00
K25	LF	27" Reinforced Pressure Pipe Lining	\$ 960.00
K26	LF	30" Reinforced Pressure Pipe Lining	\$ 1,095.00
K27	LF	33" Reinforced Pressure Pipe Lining	\$ 1,290.00
K28	LF	36" Reinforced Pressure Pipe Lining	\$ 1,518.00
K29	LF	39" Reinforced Pressure Pipe Lining	\$ 1,665.00
K30	LF	42" Reinforced Pressure Pipe Lining	\$ 2,010.00
K31	LF	48" Reinforced Pressure Pipe Lining	\$ 2,700.00
K32	LF	54" Reinforced Pressure Pipe Lining	\$ 3,000.00
K33	EA	6" Installation of End Seal	\$ 4,140.00
K34	EA	8" Installation of End Seal	\$ 4,140.00
K35	EA	10" Installation of End Seal	\$ 4,140.00
K36	EA	12" Installation of End Seal	\$ 4,140.00
K37	EA	15" Installation of End Seal	\$ 5,520.00
K38	EA	18" Installation of End Seal	\$ 6,900.00
K39	EA	21" Installation of End Seal	\$ 6,900.00
K40	EA	24" Installation of End Seal	\$ 8,280.00
K41	EA	27" Installation of End Seal	\$ 8,280.00
K42	EA	30" Installation of End Seal	\$ 8,280.00
K43	EA	33" Installation of End Seal	\$ 9,660.00
K44	EA	36" Installation of End Seal	\$ 9,660.00
K45	EA	39" Installation of End Seal	\$ 11,040.00
K46	EA	42" Installation of End Seal	\$ 11,040.00
K47	EA	48" Installation of End Seal	\$ 13,800.00
K48	EA	54" Installation of End Seal	\$ 13,800.00
K49	EA	6" to 12" System set-up charge (<150 lf)	\$ 4,140.00
K50	EA	15" to 21" System set-up charge (<150 lf)	\$ 4,140.00
K51	EA	24" to 33" System set-up charge (<150 lf)	\$ 4,140.00
K52	EA	36" to 54" System set-up charge (<150 lf)	\$ 4,140.00

SECTION - L

Pressure Pipeline Bypass:

L1	LF	Set up bypass of mainlines sizes 2"- 4" AWWA approved bypass	\$ 110.40
L2	EA	Connection of each service from 2"- 4" AWWA approved bypass	\$ 1,269.60
L3	Day	Operation of 2"- 4" AWWA approved bypass	\$ 2,760.00
L4	LF	Set up bypass of mainlines sizes 6"- 8" AWWA approved bypass	\$ 138.00
L5	EA	Connection of each service from 6"- 8" AWWA approved bypass	\$ 1,407.60
L6	Day	Operation of 6"- 8" AWWA approved bypass	\$ 3,312.00
L7	LF	Set up bypass of mainlines sizes 10"- 12" AWWA approved bypass	\$ 165.60
L8	EA	Connection of each service from 10"- 12" AWWA approved bypass	\$ 1,725.00
L9	Day	Operation of 10"- 12" AWWA approved bypass	\$ 5,520.00
L10	LF	Set up bypass of mainlines sizes 13"- 19" AWWA approved bypass	\$ 414.00
L11	EA	Connection of each service from 13"- 19" AWWA approved bypass	\$ 1,794.00
L12	Day	Operation of 13"- 19" AWWA approved bypass	\$ 6,900.00
L13	EA	Set up bypass of mainlines sizes 20"- 24" AWWA approved bypass	\$ 552.00
L14	EA	Connection of each service from 20"- 24" AWWA approved bypass	\$ 2,760.00
L15	Day	Operation of 20"- 24" AWWA approved bypass	\$ 6,900.00
L16	LF	Set up bypass of mainlines sizes 25"- 30" AWWA approved bypass	\$ 966.00
L17	EA	Connection of each service from 25"- 30" AWWA approved bypass	\$ 2,760.00
L18	Day	Operation of 25"- 30" AWWA approved bypass	\$ 8,280.00
L19	LF	Set up bypass of mainlines sizes 31"- 37" AWWA approved bypass	\$ 1,242.00
L20	EA	Connection of each service from 31"- 37" AWWA approved bypass	\$ 2,760.00
L21	Day	Operation of 31"- 37" AWWA approved bypass	\$ 8,280.00
L22	LF	Set up bypass of mainlines sizes 38"- 48" AWWA approved bypass	\$ 1,656.00
L23	EA	Connection of each service from 38"- 48" AWWA approved bypass	\$ 2,760.00
L24	Day	Operation of 38"- 48" AWWA approved bypass	\$ 8,280.00

SECTION - M

Line Cleaning and Inspection for Pressure Pipelines & Mechanical Cleaning:

M1	LF	6" Cleaning with pressure propelled pigs	\$ 27.60
M2	LF	8" Cleaning with pressure propelled pigs	\$ 27.60
M3	LF	10" Cleaning with pressure propelled pigs	\$ 27.60
M4	LF	12" Cleaning with pressure propelled pigs	\$ 27.60
M5	LF	15" Cleaning with pressure propelled pigs	\$ 41.40

M6	LF	18" Cleaning with pressure propelled pigs	\$ 41.40
M7	LF	21" Cleaning with pressure propelled pigs	\$ 41.40
M8	LF	24" Cleaning with pressure propelled pigs	\$ 55.20
M9	LF	27" Cleaning with pressure propelled pigs	\$ 55.20
M10	LF	30" Cleaning with pressure propelled pigs	\$ 55.20
M11	LF	33" Cleaning with pressure propelled pigs	\$ 55.20
M12	LF	36" Cleaning with pressure propelled pigs	\$ 110.40
M13	LF	42" Cleaning with pressure propelled pigs	\$ 110.40
M14	LF	48" Cleaning with pressure propelled pigs	\$ 110.40
M15	LF	54" Cleaning with pressure propelled pigs	\$ 110.40
M16	LF	6" Cleaning with scrapers or other attached tools	\$ 41.40
M17	LF	8" Cleaning with scrapers or other attached tools	\$ 41.40
M18	LF	10" Cleaning with scrapers or other attached tools	\$ 41.40
M19	LF	12" Cleaning with scrapers or other attached tools	\$ 41.40
M20	LF	15" Cleaning with scrapers or other attached tools	\$ 55.20
M21	LF	18" Cleaning with scrapers or other attached tools	\$ 55.20
M22	LF	21" Cleaning with scrapers or other attached tools	\$ 55.20
M23	LF	24" Cleaning with scrapers or other attached tools	\$ 69.00
M24	LF	27" Cleaning with scrapers or other attached tools	\$ 69.00
M25	LF	30" Cleaning with scrapers or other attached tools	\$ 69.00
M26	LF	33" Cleaning with scrapers or other attached tools	\$ 96.60
M27	LF	36" Cleaning with scrapers or other attached tools	\$ 96.60
M28	LF	42" Cleaning with scrapers or other attached tools	\$ 110.40
M29	LF	48" Cleaning with scrapers or other attached tools	\$ 138.00
M30	LF	54" Cleaning with scrapers or other attached tools	\$ 165.60
M31	LF	6" Pressure pipe inspection	\$ 11.04
M32	LF	8" Pressure pipe inspection	\$ 11.04
M33	LF	10" Pressure pipe inspection	\$ 13.80
M34	LF	12" Pressure pipe inspection	\$ 13.80
M35	LF	15" Pressure pipe inspection	\$ 13.80
M36	LF	18" Pressure pipe inspection	\$ 19.32
M37	LF	21" Pressure pipe inspection	\$ 19.32
M38	LF	24" Pressure pipe inspection	\$ 19.32
M39	LF	27" Pressure pipe inspection	\$ 19.32
M40	LF	30" Pressure pipe inspection	\$ 19.32
M41	LF	33" Pressure pipe inspection	\$ 19.32
M42	LF	36" Pressure pipe inspection	\$ 22.08
M43	LF	42" Pressure pipe inspection	\$ 22.08
M44	LF	48" Pressure pipe inspection	\$ 27.60
M45	LF	54" Pressure pipe inspection	\$ 41.40
M46	LF	Tuberculation Removal (Pressure & Gravity Pipelines)	\$ 40.00

SECTION - N

Restoration and Additional Items:

N1	LF	Saw Cutting up to 8" depth	\$ 5.00
N2	LF	Saw Cutting over 8" depth	\$ 12.50
N3	SY	Repair/Rehab 2" Asphalt pavement	\$ 57.50
N4	SY	Repair/Rehab 8" Flex base	\$ 46.00
N5	SY	Repair/Rehab 8" Concrete pavement	\$ 138.00
N6	SY	Repair/Rehab 6" Concrete driveway	\$ 100.00
N7	SY	Repair/Rehab 4" Concrete sidewalk	\$ 81.25
N8	LF	Repair/Rehab Concrete curb and gutter	\$ 40.25
N9	SY	Sodding	\$ 11.50
N10	LF	Repair/Rehab chain link fence with new	\$ 46.00
N11	LF	Repair/Rehab wooden fence with new	\$ 46.00
N12	CY	TOPSOIL COMPLETE	\$ 43.75
N13	CY	SANDING COMPLETE	\$ 27.50
N14	CY	MULCH COMPLETE	\$ 37.50
N15	LF	STRAW BALE BARRIER	\$ 25.00
N16	EACH	TREE REPLACEMENT: HARDWOODS, 2"	\$ 250.00
N17	EACH	TREE REPLACEMENT: PINES, 2"	\$ 375.00
N18	EACH	SHRUB REPLACEMENT: 1 GALLON	\$ 50.00
N19	EACH	SHRUB REPLACEMENT: 3 GALLON	\$ 78.75
N20	EACH	SHRUB REPLACEMENT: 5 GALLON	\$ 102.50

N21	EACH	SHRUB REPLACEMENT: 7 GALLON	\$ 152.50
N22	EACH	BEDDING FLOWERS: PER FLAT OF 18	\$ 125.00
N23	SY	STONE RIP RAP TYPE I, 24" IN PLACE COMPLETE	\$ 131.25
N24	SY	STONE RIP RAP TYPE III, 12" IN PLACE COMPLETE	\$ 75.00
N25	SY	STONE GROUTED RIP RAP - 12" INSTALLED	\$ 118.75
N26	LF	SILT FENCE TYPE A, COMPLETE	\$ 15.00
N27	LF	SILT FENCE TYPE C, COMPLETE	\$ 10.00
N28	LF	ORANGE BARRIER FENCE	\$ 7.50
N29	EACH	HAY BALES COMPLETE	\$ 200.00
N30	SY	PLASTIC FILTER FABRIC INSTALLED	\$ 12.50
N31	SF	PERMANENT SOIL REINF MAT INSTALLED	\$ 156.25

SECTION - O

Additional Labor Rates and Traffic Control:

N	O1	HR	SUPERINTENDENT - REGULAR	\$ 61.25
	O2	HR	FOREMAN - REGULAR	\$ 52.50
	O3	HR	OPERATOR - REGULAR	\$ 40.00
	O4	HR	LABORER - REGULAR	\$ 35.00
	O5	HR	TRUCK DRIVER - REGULAR	\$ 42.00
	O6	HR	UTILITY - REGULAR	\$ 35.00
N	O7	HR	SUPERINTENDENT - OVER TIME	\$ 113.75
	O8	HR	FOREMAN - OVER TIME	\$ 105.00
	O9	HR	OPERATOR - OVER TIME	\$ 60.00
	O10	HR	LABORER - OVER TIME	\$ 56.00
	O11	HR	TRUCK DRIVER - OVER TIME	\$ 73.50
	O12	HR	UTILITY - OVERTIME	\$ 70.00
	O13	EA	Barricades, Signs, and Traffic Handling (per setup)	\$ 4,200.00
	O14	EA	Traffic Control Plan (per setup)	\$ 3,000.00
	O15	HR	Flagmen	\$ 48.00
	O16	HR	Uniformed Officers	\$ 78.00
	O17	EA	SWPPP	\$ 3,000.00

SECTION - P

Crew Travel & Mobilization:

P1	EA	Crew Transportation, Mobilization and Demobilization (R/T) up to 250 miles	\$8,000
P2	EA	Crew Transportation, Mobilization and Demobilization (R/T) 250 to 500 miles	\$16,000
P3	EA	Crew Transportation, Mobilization and Demobilization (R/T) 500 to 750 miles	\$32,000
P4	EA	Crew Transportation, Mobilization and Demobilization (R/T) 750 to 1,000 miles	\$64,000

SECTION - Q

Compression Fit HDPE Pipe Lining:

Q1	LF	Gauging (0-10 inch)	\$ 10.75
Q2	LF	Gauging (10-24 inch)	\$ 16.00
Q3	LF	Gauging (25-36 inch)	\$ 23.00
Q4	LF	Gauging (37-48 inch)	\$ 37.20
Q5	Per Inch	Gauging (Over 48 inch)	\$ 5.75
Q6	LF	4-inch PE 4710 DR 41	\$ 36.00
Q7	LF	6-inch PE 4710 DR 41	\$ 50.00
Q8	LF	8-inch PE 4710 DR 41	\$ 67.00
Q9	LF	10-inch PE 4710 DR 41	\$ 81.00
Q10	LF	12-inch PE 4710 DR 41	\$ 136.00
Q11	LF	16-inch PE 4710 DR 41	\$ 161.00
Q12	LF	18-inch PE 4710 DR 41	\$ 180.00
Q13	LF	20-inch PE 4710 DR 41	\$ 237.00
Q14	LF	24-inch PE 4710 DR 41	\$ 280.00
Q15	LF	30-inch PE 4710 DR 41	\$ 400.00
Q16	LF	36-inch PE 4710 DR 41	\$ 510.00
Q17	LF	42-inch PE 4710 DR 41	\$ 600.00
Q18	LF	48-inch PE 4710 DR 41	\$ 700.00
Q19	LF	54-inch PE 4710 DR 41	\$ 870.00
Q20	LF	4-inch PE 4710 DR 32.5	\$ 45.00
Q21	LF	6-inch PE 4710 DR 32.5	\$ 55.00
Q22	LF	8-inch PE 4710 DR 32.5	\$ 77.00

Q23	LF	10-inch PE 4710 DR 32.5	\$ 90.00
Q24	LF	12-inch PE 4710 DR 32.5	\$ 150.00
Q25	LF	16-inch PE 4710 DR 32.5	\$ 183.00
Q26	LF	18-inch PE 4710 DR 32.5	\$ 207.00
Q27	LF	20-inch PE 4710 DR 32.5	\$ 265.00
Q28	LF	24-inch PE 4710 DR 32.5	\$ 320.00
Q29	LF	30-inch PE 4710 DR 32.5	\$ 470.00
Q30	LF	36-inch PE 4710 DR 32.5	\$ 600.00
Q31	LF	42-inch PE 4710 DR 32.5	\$ 700.00
Q32	LF	48-inch PE 4710 DR 32.5	\$ 810.00
Q33	LF	54-inch PE 4710 DR 32.5	\$ 920.00
Q34	LF	4-inch PE 4710 DR 26	\$ 49.00
Q35	LF	6-inch PE 4710 DR 26	\$ 63.00
Q36	LF	8-inch PE 4710 DR 26	\$ 85.00
Q37	LF	10-inch PE 4710 DR 26	\$ 104.00
Q38	LF	12-inch PE 4710 DR 26	\$ 167.00
Q39	LF	16-inch PE 4710 DR 26	\$ 211.00
Q40	LF	18-inch PE 4710 DR 26	\$ 236.00
Q41	LF	20-inch PE 4710 DR 26	\$ 297.00
Q42	LF	24-inch PE 4710 DR 26	\$ 363.00
Q43	LF	30-inch PE 4710 DR 26	\$ 542.00
Q44	LF	36-inch PE 4710 DR 26	\$ 680.00
Q45	LF	42-inch PE 4710 DR 26	\$ 800.00
Q46	LF	48-inch PE 4710 DR 26	\$ 920.00
Q47	LF	54-inch PE 4710 DR 26	\$ 1,045.00
Q48	LF	4-inch PE 4710 DR 21	\$ 54.00
Q49	LF	6-inch PE 4710 DR 21	\$ 69.00
Q50	LF	8-inch PE 4710 DR 21	\$ 94.00
Q51	LF	10-inch PE 4710 DR 21	\$ 121.00
Q52	LF	12-inch PE 4710 DR 21	\$ 189.00
Q53	LF	16-inch PE 4710 DR 21	\$ 245.00
Q54	LF	18-inch PE 4710 DR 21	\$ 275.00
Q55	LF	20-inch PE 4710 DR 21	\$ 350.00
Q56	LF	24-inch PE 4710 DR 21	\$ 450.00
Q57	LF	30-inch PE 4710 DR 21	\$ 630.00
Q58	LF	36-inch PE 4710 DR 21	\$ 840.00
Q59	LF	42-inch PE 4710 DR 21	\$ 950.00
Q60	LF	48-inch PE 4710 DR 21	\$ 1,100.00
Q61	LF	54-inch PE 4710 DR 21	\$ 1,290.00
Q62	LF	4-inch PE 4710 DR 17	\$ 62.00
Q63	LF	6-inch PE 4710 DR 17	\$ 80.00
Q64	LF	8-inch PE 4710 DR 17	\$ 110.00
Q65	LF	10-inch PE 4710 DR 17	\$ 147.00
Q66	LF	12-inch PE 4710 DR 17	\$ 219.00
Q67	LF	16-inch PE 4710 DR 17	\$ 272.00
Q68	LF	18-inch PE 4710 DR 17	\$ 321.00
Q69	LF	20-inch PE 4710 DR 17	\$ 429.00
Q70	LF	24-inch PE 4710 DR 17	\$ 527.00
Q71	LF	30-inch PE 4710 DR 17	\$ 710.00
Q72	LF	36-inch PE 4710 DR 17	\$ 927.00
Q73	LF	42-inch PE 4710 DR 17	\$ 1,047.00
Q74	LF	48-inch PE 4710 DR 17	\$ 1,287.00
Q75	LF	54-inch PE 4710 DR 17	\$ 1,428.00
Q76	LF	Foam Pig Cleaning (0-12 inch)	\$ 6.75
Q77	LF	Foam Pig Cleaning (13-24 inch)	\$ 10.37
Q78	LF	Foam Pig Cleaning (25-36 inch)	\$ 15.00
Q79	LF	Foam Pig Cleaning (37-48 inch)	\$ 27.00
Q80	LF	Foam Pig Cleaning (Over 48 Inch)	\$ 51.00
Q81	LF	Blade Scraper Pig Cleaning (0-12 inch)	\$ 12.00
Q82	LF	Blade Scraper Pig Cleaning (13-24 inch)	\$ 26.25
Q83	LF	Blade Scraper Pig Cleaning (25-36 inch)	\$ 37.00
Q84	LF	Blade Scraper Pig Cleaning (37-48 inch)	\$ 52.75
Q85	LF	Blade Scraper Pig Cleaning (Over 48 inch)	\$ 81.00