

FORM D - Products and Services Offerings (Tab B)				
Offer Name:		Vortex Companies, LLC		
Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
Section	Item No.	Full Description	UNITS	PRICE
A. Clean/TV and Evaluation for Gravity Pipelines				
	A1	Sewer Main Television Inspection (8" through 15" Diameter)	LF	4.00
	A2	Sewer Main Television Inspection (18" through 24" Diameter)	LF	6.00
	A3	Sewer Main Television Inspection (27" through 36" Diameter)	LF	8.00
	A4	Sewer Main Television Inspection (42" through 48" Diameter)	LF	12.00
	A5	Sewer Main Television Inspection (54" through 60" Diameter)	LF	14.00
	A6	Sewer Main Television Inspection (66" through 72" Diameter)	LF	22.00
	A7	Sewer Main Television Inspection (78" through 90" Diameter)	LF	35.00
	A8	Sewer Main Television Insepction (96" through 108" Diameter)	LF	40.00
	A9	Sewer Main Cleaning - Normal (8" through 15" Diameter)	LF	4.00
	A10	Sewer Main Cleaning - Normal (18" through 24" Diameter)	LF	6.00
	A11	Sewer Main Cleaning - Normal (27" through 36" Diameter)	LF	8.00
	A12	Sewer Main Cleaning - Normal (42" through 48" Diameter)	LF	12.00
	A13	Sewer Main Cleaning - Normal (54" through 60" Diameter)	LF	14.00
	A14	Sewer Main Cleaning - Normal (66" through 72" Diameter)	LF	22.00
	A15	Sewer Main Cleaning - Normal (78" through 90" Diameter)	LF	35.00
	A16	Sewer Main Cleaning - Normal (96" through 108" Diameter)	LF	40.00
	A17	Sewer Main Cleaning - Mechanical (8" through 15" Diameter)	LF	6.00
	A18	Sewer Main Cleaning - Mechanical (18" through 24" Diameter)	LF	8.00
	A19	Sewer Main Cleaning - Mechanical (27" through 36" Diameter)	LF	25.00
	A20	Sewer Main Cleaning - Mechanical (42" through 48" Diameter)	LF	35.00
	A21	Sewer Main Cleaning - Mechanical (54" through 60" Diameter)	LF	38.00
	A22	Sewer Main Cleaning - Mechanical (66" through 72" Diameter)	LF	55.00
	A23	Sewer Main Cleaning - Mechanical (78" through 90" Diameter)	LF	80.00
	A24	Sewer Main Cleaning - Mechanical (96" through 108" Diameter)	LF	110.00
	A25	6" Clean and TV storm sewer	LF	5.52
	A26	8" Clean and TV storm sewer	LF	5.52
	A27	10" Clean and TV storm sewer	LF	6.90
	A28	12" Clean and TV storm sewer	LF	6.90
	A29	15" Clean and TV storm sewer	LF	9.66
	A30	18" Clean and TV storm sewer	LF	13.80
	A31	21" Clean and TV storm sewer	LF	16.56
	A32	24" Clean and TV storm sewer	LF	19.32
	A33	27" Clean and TV storm sewer	LF	20.70
	A34	30" Clean and TV storm sewer	LF	27.60
	A35	33" Clean and TV storm sewer	LF	34.50
	A36	36" Clean and TV storm sewer	LF	41.40
	A37	42" Clean and TV storm sewer	LF	55.20
	A38	48" Clean and TV storm sewer	LF	69.00
	A39	54" Clean and TV storm sewer	LF	82.80
	A40	60" Clean and TV storm sewer	LF	100.00
	A41	66" Clean and TV storm sewer	LF	115.00
	A42	72" Clean and TV storm sewer	LF	130.00
	A43	78" Clean and TV storm sewer	LF	145.00

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	A44	84" Clean and TV storm sewer	LF	160.00
	A45	90" Clean and TV storm sewer	LF	175.00
	A46	96" Clean and TV storm sewer	LF	190.00
	A47	102" Clean and TV storm sewer	LF	205.00
	A48	108" Clean and TV storm sewer	LF	220.00
	A49	114" Clean and TV storm sewer	LF	235.00
	A50	Greater than 114" Clean and TV storm sewer	LF	250.00
	A51	6" - 12" Post TV Inspection After Rehabilitation	LF	5.00
	A52	14" - 20" Post TV Inspection After Rehabilitation	LF	5.00
	A53	21" - 36" Post TV Inspection After Rehabilitation	LF	9.00
	A54	37"- 42" Post TV Inspection After Rehabilitation	LF	12.00
	A55	43"- 48" Post TV Inspection After Rehabilitation	LF	22.00
	A56	49"- 54" Post TV Inspection After Rehabilitation	LF	32.00
	A57	55"- 60" Post TV Inspection After Rehabilitation	LF	42.00
	A58	61"- 72" Post TV Inspection After Rehabilitation	LF	52.00
	A59	73" or Larger Post TV Inspection After Rehabilitation	LF	62.00
	A60	Heavy Lift Station Cleaning (Remove all Debris to Bottom of LS - 4 hr minimum)	EA	4312.00
	A61	Major Lift Station Cleaning - Additional Hours	HR	1078.00
	A62	Minor Lift Station Cleaning (Skimming Top of LS - 4 hr minimum)	EA	1150.00
	A63	Minor Lift Station Cleaning - Additional Hours	HR	287.50
	A64	Vactor Truck Services	HR	500.00
	A65	Waste Water Treatment Plant Debris Removal/Sludge Hauling (Small)	YD	90.00
	A66	Waste Water Treatment Plant Debris Removal/Sludge Hauling (Large)	YD	350.00
	A67	Re-setup for TV Due to Point Repairs or Obstructions	EA	300.00
	A68	Mechanical Root removal	LF	8.00
	A69	Grease removal	LF	3.22
	A70	Other Remote Obstruction removal (max. 5 lf)	EA	690.00
	A71	Smoke Testing	LF	1.84
	A72	Manhole/Cleanout & Sewer Line Visual Inspection	EA	184.00
	A73	GPS Survey of Manholes & Cleanouts	EA	400.00
	A74	Heavy Debris Removal - MAN ENTRY	EA	250.00
	A75	Heavy Debris Removal - LARGE DIAMETER MAN ENTRY	EA	500.00
	A76	Heavy Debris Removal - REMOTE ENTRY	LF	1000.00
	A77	Dyed Water Flooding/Leak Quantification & Evaluation	EA	322.00

#### B. Centrifugally Cast Pipe Rehabilitation for Sewer Lines

	B1	36" STORM PIPE - QLS REHABILITATION - 1." Thickness	LF	405.00
	B2	42" STORM PIPE - QLS REHABILITATION - 1." Thickness	LF	430.00
	B3	48" STORM PIPE - QLS REHABILITATION - 1." Thickness	LF	460.00
	B4	54" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	645.00
	B5	60" STORM PIPE - QLS CAST REHABILITATION - 1.5" Thickness	LF	678.00
	B6	66" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	715.00
	B7	72" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	850.00
	B8	78" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	925.00
	B9	84" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	1075.00
	B10	90" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	1200.00
	B11	96" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	1500.00
	B12	102" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	1800.00
	B13	108" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	2300.00

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	B14	Greater than 108" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	LF	2700.00
	B15	NON ROUND SEWER PIPE	SF	55.00
	B16	36" SANITARY PIPE - QLS REHABILITATION - 1." Thickness	LF	405.00
	B17	42" SANITARY PIPE - QLS REHABILITATION - 1." Thickness	LF	430.00
	B18	48" SANITARY PIPE - QLS REHABILITATION - 1" Thickness	LF	460.00
	B19	54" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	645.00
	B20	60" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	678.00
	B21	66" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	715.00
	B22	72" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	850.00
	B23	78" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	925.00
	B24	84" SANITARY PIPE - QLS CAST REHABILITATION - 1.5" Thickness	LF	1075.00
	B25	90" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	1200.00
	B26	96" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	1500.00
	B27	102" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	1800.00
	B28	108" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	2300.00
	B29	Greater than 108" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	LF	2700.00
	B30	EACH ADDITIONAL .5" Thickness	SF	15.00
	B31	REINFORCEMENT WITH WELDED WIRE FABRIC- 4X4W4	SF(of WWF)	15.00
	B32	REINFORCEMENT WITH REBAR- #3	LF(of Rebar)	10.00
	B33	REINFORCEMENT WITH REBAR- #4	LF(of Rebar)	20.00
	B34	REINFORCEMENT WITH REBAR- #8	LF(of Rebar)	40.00
	B35	INFILTRATION CONTROL- CHEMICAL GROUT	GALLON	100.00
	B36	INFILTRATION CONTROL- QUAD-PLUG	PAIL	50.00
	B37	REBUILD INVERT	CF	75.00
	B38	JOINT PREPARATION	LF	20.00
	B39	ANTIMICROBIAL APPLICATION	SF	5.00
	B40	CHANNEL EXCAVATION	CY	50.00
	B41	DEBRIS REMOVAL	CY	65.00
	B42	CLEARING AND GRUBBING	AC	4500.00
	B43	TREE REMOVAL (6" – 12")	EACH	1500.00
	B44	TREE REMOVAL (13" – 23")	EACH	3000.00
	B45	TREE REMOVAL ( > 24")	EACH	5000.00
	B46	REWORK CATCHBASIN COVER TO ACCEPT NEW MANHOLE COVERS	EACH	1200.00
	B47	SERVICE LATERAL REINSTATEMENT - MAN ENTRY	EACH	250.00
C. Cured-In-Place Pipe (CIPP) Rehabilitation for Sewer Lines				
	C1	6" x 4.5mm STEAM / WATER CURE	LF	36.80
	C2	8" x 6.0mm STEAM WATER CURE	LF	34.96
	C3	10" x 6.0mm STEAM /WATER CURE	LF	38.64
	C4	12" x 6.0mm STEAM /WATER CURE	LF	53.36
	C5	15" x 7.5mm STEAM /WATER CURE	LF	64.40
	C6	18" x 9.0mm STEAM/WATER CURE	LF	78.20
	C7	21" x 9.0mm STEAM/WATER CURE	LF	105.80
	C8	24" x 10.5mm STEAM/WATER CURE	LF	128.80
	C9	27" x 10.5mm STEAM /WATER CURE	LF	147.20
	C10	30" x 12.0mm STEAM /WATER CURE	LF	174.80
	C11	33" x 12.0mm STEAM /WATER CURE	LF	207.00
	C12	36" x 12.0mm STEAM /WATER CURE	LF	230.00
	C13	42" x 13.5mm STEAM/WATER CURE	LF	257.60

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	C14	48" x 15.0mm STEAM /WATER CURE	LF	432.40
	C15	54" x 18.0mm STEAM/WATER CURE	LF	552.00
	C16	60" x 22.5mm STEAM /WATER CURE	LF	650.00
	C17	6" & 8" Additional 1.5mm	LF	0.92
	C18	10" & 12" Additional 1.5mm	LF	4.60
	C19	15" & 18" Additional 1.5mm	LF	13.80
	C20	21" & 24" Additional 1.5mm	LF	23.00
	C21	27" Additional 1.5mm	LF	27.60
	C22	30" Additional 1.5mm	LF	32.20
	C23	33" Additional 1.5mm	EA	36.80
	C24	36" Additional 1.5mm	EA	41.40
	C25	42" Additional 1.5mm	EA	46.00
	C26	48" Additional 1.5mm	EA	55.20
	C27	54" Additional 1.5mm	EA	64.40
	C28	60" Additional 1.5mm	EA	75.00
	C29	Internal reconnects on Cured-in-place pipe	EA	276.00
	C30	6" & 8" Additional .7mm	LF	4.00
	C31	10" & 12" Additional .7mm	LF	7.00
	C32	15" Additional .7mm	LF	9.00
	C33	18" Additional .7mm	LF	10.00
	C34	21" Additional .7mm	LF	12.00
	C35	24" Additional .7mm	LF	14.00
	C36	27" Additional .7mm	LF	15.00
	C37	30" Additional .7mm	LF	17.00
	C38	33" Additional .7mm	LF	18.00
	C39	36" Additional .7mm	LF	20.00
	C40	42" Additional .7mm	LF	29.00
	C41	48" Additional .7mm	LF	42.00
	C42	6"-12" CIPP Set-up Charge	LF	7.00
	C43	15"-18" CIPP Set-up Charge	LF	12.00
	C44	21"-24" CIPP Set-up Charge	LF	18.00
	C45	27"-36" CIPP Set-up Charge	LF	24.00
	C46	42"-48" CIPP Set-up Charge	LF	24.00
	C47	6" - 12" CIPP Additional Charge Per Install Length (>200')	LF	36.00
	C48	15" - 18" CIPP Additional Charge Per Install Length (>200')	LF	42.00
	C49	21" - 24" CIPP Additional Charge Per Install Length (>200')	LF	42.00
	C50	27" - 36" CIPP Additional Charge Per Install Length (>200')	LF	48.00
	C51	42" - 48" CIPP Additional Charge Per Install Length (>200')	LF	54.00
	C52	6" to 12" Backyard Easement Additional Set-up Per Install Length	LF	5.00
	C53	15" to 24" Backyard Easement Additional Set-up Per Install Length	LF	10.00
	C54	27" to 48" Backyard Easement Additional Set-up Per Install Length	LF	15.00
	C55	4" Wye Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	C56	5" Wye Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	C57	6" Wye Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	C58	4" Tee Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	C59	5" Tee Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	C60	6" Tee Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	C61	4"-6" Installation and cure of lateral liner from surface clean out to main	LF	5980.00
	C62	4"-6" Set-up for installations of <20 each total	EA	4600.00

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	C63	4"-6" Set-up for installations of 20-50 each total	EA	3220.00
	C64	4"-6" Set-up for installations of 51-150 each total	EA	1840.00
	C65	6" - 12" CIPP Setup Charge (< 300 LF)	EA	1000.00
	C66	15" - 21" CIPP Setup Charge (< 300 LF)	EA	1500.00
	C67	24" - 36" CIPP Setup Charge (< 300 LF)	EA	2000.00
	C68	36" or Larger CIPP Setup Charge (< 300 LF)	EA	4000.00
	C69	Backyard Easement Setup (6" - 10")	EA	2500.00
	C70	Backyard Easement Setup (12" - 18")	EA	3500.00
	C71	Timber Matting for Large Diameter Setup	SY	75.00
D. Pipe Bursting Rehabilitation for Sewer Lines				
	D1	Burst existing 6" to 6" IPS SDR 19 ( 0'- 8' deep)	LF	55.00
	D2	Burst existing 6" to 6" IPS SDR 19 ( 8'- 12' deep)	LF	61.00
	D3	Burst existing 6" to 6" IPS SDR 19 ( 12'- 16' deep)	LF	66.00
	D4	Burst existing 6" or 8" to 8" IPS SDR 19 ( 0'- 8' deep)	LF	63.00
	D5	Burst existing 6" or 8" to 8" IPS SDR 19 ( 8'- 12' deep)	LF	66.00
	D6	Burst existing 6" or 8" to 8" IPS SDR 19 ( 12'- 16' deep)	LF	70.00
	D7	Burst existing 8" or 10" to 10" IPS SDR 19 ( 0'- 8' deep)	LF	72.00
	D8	Burst existing 8" or 10" to 10" IPS SDR 19 ( 8'- 12' deep)	LF	78.00
	D9	Burst existing 8" or 10" to 10" IPS SDR 19 ( 12'- 16' deep)	LF	83.00
	D10	Burst existing 10" or 12" to 12" IPS SDR 19 ( 0'- 8' deep )	LF	81.00
	D11	Burst existing 10" or 12" to 12" IPS SDR 19 ( 8'- 12' deep)	LF	85.00
	D12	Burst existing 10" or 12" to 12" IPS SDR 19 ( 12'- 16' deep )	LF	90.00
	D13	Burst existing 12" or 15" to 16" IPS SDR 19 ( 0'- 8' deep)	LF	130.00
	D14	Burst existing 12" or 15" to 16" IPS SDR 19 ( 8'- 12' deep)	LF	142.00
	D15	Burst existing 12" or 15" to 16" IPS SDR 19 ( 12'- 16' deep)	LF	165.00
	D16	Burst existing 15" or 18" to 18" IPS SDR 19 ( 0'- 8' deep )	LF	160.00
	D17	Burst existing 15" or 18" to 18" IPS SDR 19 ( 8'- 12' deep)	LF	188.00
	D18	Burst existing 15" or 18" to 18" IPS SDR 19 ( 12'- 16' deep)	LF	200.00
	D19	Burst existing 18" or 21" to 22" IPS SDR 19 ( 0'- 8' deep)	LF	190.00
	D20	Burst existing 18" or 21" to 22" IPS SDR 19 ( 8'- 12' deep)	LF	224.00
	D21	Burst existing 18" or 21" to 22" IPS SDR 19 ( 12'- 16' deep )	LF	255.00
	D22	Burst existing 21" or 24" to 24" IPS SDR 19 ( 0'- 8' deep)	LF	240.00
	D23	Burst existing 21" or 24" to 24" IPS SDR 19 ( 8'- 12' deep)	LF	270.00
	D24	Burst existing 21" or 24" to 24" IPS SDR 19 ( 12'- 16' deep)	LF	300.00
	D25	Burst existing 24" or 27" to 28" IPS SDR 19 ( 0'- 8' deep)	LF	285.00
	D26	Burst existing 24" or 27" to 28" IPS SDR 19 ( 8'- 12' deep)	LF	300.00
	D27	Burst existing 24" or 27" to 28" IPS SDR 19 ( 12'- 16' deep)	LF	334.00
	D28	Burst existing 27" or 30" to 30" IPS SDR 19 ( 0'- 8' deep)	LF	305.00
	D29	Burst existing 27" or 30" to 30" IPS SDR 19 ( 8'- 12' deep)	LF	340.00
	D30	Burst existing 27" or 30" to 30" IPS SDR 19 ( 12'- 16' deep)	LF	375.00
	D31	8" - 12" Pipeburst Setup Charge (< 300 LF)	EA	3500.00
	D32	16" - 22" Pipeburst Setup Charge (< 300 LF)	EA	4000.00
	D33	24" or Larger Pipeburst Setup Charge (< 300 LF)	EA	6500.00
E. Pipe Bursting Rehabilitation for Water Lines				
	E1	Install 2" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	LF	65.00
	E2	Install 4" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	LF	80.00
	E3	Install 6" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	LF	95.00

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	E4	Install 8" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	LF	115.00
	E5	Install 10" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	LF	135.00
	E6	Install 12" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	LF	165.00
	E7	6" Flow Stop	EA	6500.00
	E8	8" Flow Stop	EA	7200.00
	E9	10" Flow Stop	EA	8800.00
	E10	12" Flow Stop	EA	10500.00
	E11	3/4" Service Tap, Install on 4"-8" Waterline	EA	1000.00
	E12	1" Service Tap, Install on 4"-8" Waterline	EA	1200.00
	E13	1.5" Service Tap, Install on 4"-8" Waterline	EA	1450.00
	E14	2" Service Tap, Install on 4"-8" Waterline	EA	2000.00
	E15	3/4" Service Tap, Install on 10"-12" Waterline	EA	1000.00
	E16	1" Service Tap, Install on 10"-12" Waterline	EA	1200.00
	E17	1.5" Service Tap, Install on 10"-12" Waterline	EA	1450.00
	E18	2" Service Tap, Install on 10"-12" Waterline	EA	2000.00
	E19	Install 4"-8" tee, to any size	EA	3600.00
	E20	Install 10"-12" tee, to any size	EA	4800.00
	E21	Install 4"-8" mechanical joint wet connection, to any size	EA	2750.00
	E22	Install 10"-12" wet connection, to any size	EA	6000.00
	E23	Auger and encase 4"-8", all depths, complete in place (to include pipe in casing)	LF	305.00
	E24	Auger and encase 10"-12", all depths, complete in place (to include pipe in casing)	LF	595.00
	E25	Annual and void space grouting	CY	200.00
	E26	Install 1" Corporation Stop with Valve Box	EA	400.00
	E27	Install 2" Corporation Stop with Valve Box	EA	700.00
	E28	Install 4" gate valve & box	EA	600.00
	E29	Install 6" gate valve & box	EA	800.00
	E30	Install 8" gate valve & box	EA	1200.00
	E31	Install 12" gate valve & box	EA	2200.00
	E32	Install 8"x2" service saddle	EA	900.00
	E33	Install 12"x1" service saddle	EA	1200.00
	E34	Install 12"x2" service saddle	EA	1300.00
	E35	Connect new 1" water line w/existing 1" water line	EA	400.00
	E36	Connect new 2" water line w/existing 2" water line	EA	500.00
	E37	Connect new 4" water line w/existing 4" water line	EA	600.00
	E38	Connect new 6" water line w/existing 6" water line	EA	700.00
	E39	Connect new 8" water line w/existing 8" water line	EA	800.00
	E40	Connect new 12" water line w/existing 12" water line	EA	1000.00
	E41	Install 3/4 inch service connections	EA	525.00
	E42	Remove and dispose of existing fire hydrant	EA	500.00
	E43	Salvage existing fire hydrant and re-install in new location	EA	3200.00
	E44	Repair pavement with cold mix asphalt	TON	150.00
	E45	Furnish and install 8" x 6" ductile iron fire hydrant tee	EA	535.00
	E46	Furnish and install 6" ductile iron pipe fire hydrant lead piping	EA	625.00
	E47	Furnish and install 8" x 6" fire hydrant or approved equal, including lead & FH valve	EA	4500.00
F. Sliplining With HDPE or FRP Rehabilitation				
	F1	6" HDPE IPS SDR 21 ( 0'- 8' deep)	LF	46.00
	F2	6" HDPE IPS SDR 21 ( 8'- 12' deep)	LF	50.60
	F3	6" HDPE IPS SDR 21 ( 12'- 16' deep)	LF	55.20

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	F4	8" HDPE IPS SDR 21 ( 0'- 8' deep)	LF	46.00
	F5	8" HDPE IPS SDR 21 ( 8'- 12' deep)	LF	50.60
	F6	8" HDPE IPS SDR 21 ( 12'- 16' deep)	LF	55.20
	F7	10" HDPE IPS SDR 21 ( 0'- 8' deep)	LF	50.60
	F8	10" HDPE IPS SDR 21 ( 8'- 12' deep)	LF	55.20
	F9	10" HDPE IPS SDR 21 ( 12'- 16' deep)	LF	59.80
	F10	12" HDPE IPS SDR 21 ( 0'- 8' deep )	LF	59.80
	F11	12" HDPE IPS SDR 21 ( 8'- 12' deep)	LF	64.40
	F12	12" HDPE IPS SDR 21 ( 12'- 16' deep )	LF	69.00
	F13	16" HDPE IPS SDR 21 ( 0'- 8' deep)	LF	69.00
	F14	16" HDPE IPS SDR 21 ( 8'- 12' deep)	LF	78.20
	F15	16" HDPE IPS SDR 21 ( 12'- 16' deep)	LF	92.00
	F16	18" HDPE IPS SDR 21 ( 0'- 8' deep)	LF	82.80
	F17	18" HDPE IPS SDR 21 ( 8'- 12' deep)	LF	92.00
	F18	18" HDPE IPS SDR 21 ( 12'- 16' deep)	LF	110.40
	F19	20" HDPE IPS SDR 21 ( 0'- 8' deep)	LF	110.40
	F20	20" HDPE IPS SDR 21 ( 8'- 12' deep)	LF	119.60
	F21	20" HDPE IPS SDR 21 ( 12'- 16' deep)	LF	133.40
	F22	24" HDPE IPS SDR 21 ( 0'- 8' deep)	LF	128.80
	F23	24" HDPE IPS SDR 21 ( 8'- 12' deep)	LF	138.00
	F24	24" HDPE IPS SDR 21 ( 12'- 16' deep)	LF	151.80
	F25	27" Installation of FRP or SRPCP segments (20 lf std. Segments)	LF	253.00
	F26	30" Installation of FRP or SRPCP segments (20 lf std. Segments)	LF	276.00
	F27	36" Installation of FRP or SRPCP segments (20 lf std. Segments)	LF	322.00
	F28	42" Installation of FRP or SRPCP segments (20 lf std. Segments)	LF	368.00
	F29	48" Installation of FRP or SRPCP segments (20 lf std. Segments)	LF	506.00
	F30	54" Installation of FRP or SRPCP segments (20 lf std. Segments)	LF	552.00
	F31	60" Installation of FRP or SRPCP segments (20 lf std. Segments)	LF	736.00
	F32	72" Installation of FRP or SRPCP segments (20 lf std. Segments)	LF	920.00
	F33	27" Installation of FRP or SRPCP segments <10lf joints	LF	303.60
	F34	30" Installation of FRP or SRPCP segments <10lf joints	LF	331.20
	F35	36" Installation of FRP or SRPCP segments <10lf joints	LF	386.40
	F36	42" Installation of FRP or SRPCP segments <10lf joints	LF	441.60
	F37	48" Installation of FRP or SRPCP segments <10lf joints	LF	607.20
	F38	54" Installation of FRP or SRPCP segments <10lf joints	LF	662.40
	F39	60" Installation of FRP or SRPCP segments <10lf joints	LF	883.20
	F40	72" Installation of FRP or SRPCP segments <10lf joints	LF	1104.00
	F41	27" Set-up for contiguous installations < 150 lf	LS	920.00
	F42	30" Set-up for contiguous installations < 150 lf	LS	1840.00
	F43	36" Set-up for contiguous installations < 150 lf	LS	1840.00
	F44	42" Set-up for contiguous installations < 150 lf	LS	1840.00
	F45	48" Set-up for contiguous installations < 150 lf	LS	1840.00
	F46	54" Set-up for contiguous installations < 150 lf	LS	1840.00
	F47	60" Set-up for contiguous installations < 150 lf	LS	1840.00
	F48	72" Set-up for contiguous installations < 150 lf	LS	1840.00
	F49	All Sizes Annular space grouting cement slurry base	CUFT	60.00
	F50	All Sizes Set-up for annular space grouting <100 cubic feet	LS	5000.00
	F51	High Density Urethane for grouting, slab lifting, void filling, pipe sealing etc.(500lb.min)	LB	92.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
G. Manhole and Structure Rehabilitation				
	G1	Structure (Manhole) Rehabilitation and Corrosion Protection and Additional Associated Items.		
	G2	Manhole Rehabilitation (Standard 4-ft Diameter) - 1-inch Portland-based cementitious liner	VF	150.00
	G3	Manhole Rehabilitation (Standard 5-ft Diameter) - 1-inch Portland-based cementitious liner	VF	160.00
	G4	Manhole Rehabilitation (Standard 6-ft Diameter) - 1-inch Portland-based cementitious liner	VF	170.00
	G5	Manhole Rehabilitation (Standard 4-ft Diameter) - 1-inch Calcium Aluminate-based cementitious liner	VF	200.00
	G6	Manhole Rehabilitation (Standard 5-ft Diameter) - 1-inch Calcium Aluminate-based cementitious liner	VF	230.00
	G7	Manhole Rehabilitation (Standard 6-ft Diameter) - 1-inch Calcium Aluminate-based cementitious liner	VF	260.00
	G8	Manhole Rehabilitation (Standard 4-ft Diameter) - 125 mil Epoxy / Polyurea / or approved equal	VF	300.00
	G9	Manhole Rehabilitation (Standard 5-ft Diameter) - 125 mil Epoxy / Polyurea / or approved equal	VF	350.00
	G10	Manhole Rehabilitation (Standard 6-ft Diameter) - 125 mil Epoxy / Polyurea / or approved equal	VF	400.00
	G11	Manhole Rehabilitation (Standard 4-ft Diameter) - 1-inch Geopolymer liner	VF	400.00
	G12	Manhole Rehabilitation (Standard 5-ft Diameter) - 1-inch Geopolymer liner	VF	450.00
	G13	Manhole Rehabilitation (Standard 6-ft Diameter) - 1-inch Geopolymer liner	VF	500.00
	G14	Manhole Rehabilitation (Standard 4-ft Diameter) - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	VF	600.00
	G15	Manhole Rehabilitation (Standard 5-ft Diameter) - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	VF	650.00
	G16	Manhole Rehabilitation (Standard 6-ft Diameter) - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	VF	700.00
	G17	Rebuild Bench and Invert	EA	1000.00
	G18	Lift / Pump Station Rehabilitation - 125 mil Epoxy / Polyurea / or approved equal	SQFT	80.00
	G19	Lift / Pump Station Rehabilitation - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	SQFT	175.00
	G20	Lift / Pump Station Rehabilitation - Composite System - each additional 1/2 inch Cementitious liner	SQFT	25.00
	G21	Lift / Pump Station Rehabilitation - 1-inch Geopolymer liner	SQFT	145.00
	G22	Lift / Pump Station Rehabilitation - Geopolymer liner each additional 1/2 inch	SQFT	40.00
	G23	WWTP Structure Rehabilitation - 125 mil Epoxy / Polyurea / or approved equal	SQFT	80.00
	G24	WWTP Structure Rehabilitation - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	SQFT	175.00
	G25	WWTP Structure Rehabilitation - Composite System - each additional 1/2 inch Cementitious liner	SQFT	25.00
	G26	WWTP Structure Rehabilitation - 1-inch Geopolymer liner	SQFT	145.00
	G27	WWTP Structure Rehabilitation - Geopolymer liner each additional 1/2 inch	SQFT	40.00
	G28	Vacuum Test Manhole (12" mainline or smaller)	EA	400.00
	G29	Holiday Test Manhole (Epoxy Only)	EA	400.00
	G30	Sewer Structure Rehabilitation (Non-circular or manholes greater than 4-ft Diameter) - 1-inch cementitious	SQFT	35.00
	G31	Manhole Rehabilitation - Epoxy/Polyurea/or approved equal - (Standard 4-ft Diameter)	VF	400.00
	G32	Sewer Structure Rehabilitation (Non-circular or manholes greater than 4-ft Diameter) - Epoxy/Polyurea/or approved equal	SQFT	80.00
	G33	Manhole Rehabilitation - w/1 inch Geopolymer	VF	400.00



Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	G34	Sewer Structure Rehabilitation (Non-circular or manholes greater than 4-ft Diameter) - 1-inch Geopolymer	SQFT	145.00
	G35	Installation of FRP rehabilitation structures up to 6' depth (Standard 4-ft Diameter)	EA	1800.00
	G36	Additional depth for FRP rehabilitation structures (Standard 4-ft Diameter)	VF	400.00
	G37	All Sizes Installation of poured in place structure without forms remaining depth <10 vf	SQFT	90.00
	G38	All Sizes Installation of poured in place structure with forms remaining depth <10 vf	SQFT	90.00
	G39	All Sizes Installation of poured in place structure without forms remaining depth +10 vf <20 vf	SQFT	90.00
	G40	All Sizes Installation of poured in place structure with forms remaining depth +10 vf <20 vf	SQFT	90.00
	G41	All Sizes Installation of poured in place structure without forms remaining depth +20 vf <40 vf	SQFT	90.00
	G42	All Sizes Installation of poured in place structure with forms remaining depth +20 vf <40 vf	SQFT	90.00
	G43	All Sizes Set-up for install of poured in place MH structure <100 sq ft	LS	1380.00
	G44	All Sizes Installation of Manhole Chimney Seal	EA	552.00
	G45	New manhole frame and cover-24"	EA	850.00
	G46	New manhole frame and cover-32"	EA	1500.00
	G47	Premium manhole frame and cover ( i.e. CertainTeed PAM locking units etc.)-24"	EA	1600.00
	G48	Premium manhole frame and cover ( i.e. CertainTeed PAM locking units etc.)-32"	EA	1920.00
	G49	Adjust manhole frame and cover up to 1 Ft	EA	950.00
	G50	Adjust manhole frame and cover over 1 Ft	VF	500.00
	G51	Invert Installation, 4' Dia.	EACH	1400.00
	G52	Invert Installation, 5' Dia.	EACH	1500.00
	G53	Invert Installation, 6' Dia.	EACH	1700.00
	G54	Invert Installation, Other Configurations	SF	2500.00
	G55	MACP MH Inspections - Level 1	EA	125.00
	G56	MACP MH Inspections - Level 2	EA	225.00
	G57	MACP MH Inspections - w/ Lidar - Level 2	EA	275.00
	G58	MACP MH Inspections - Level 1 (Deliverable)	EA	20.00
	G59	MACP MH Inspections - Level 2 (Deliverable)	EA	125.00
	G60	MACP MH Inspections w/ Lidard - Level 2 (Deliverable)	EA	200.00
	G61	WTP Structure Rehabilitation - 125 mil Epoxy / Polyurea / or Approved Equal	SQFT	80.00
	G62	WTP Structure Rehabilitation - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	SQFT	175.00
	G63	WTP Structure Rehabilitation - Composite System - each additional 1/2 inch Cementitious Liner	SQFT	25.00
	G64	WTP Structure Rehabilitation - 1-inch Geopolymer Liner	SQFT	145.00
	G65	WTP Structure Rehabilitation - Geopolymer liner each additional 1/2 inch	SQFT	40.00
	G66	Assessment Technician (Engineering, Inspection, Etc.) - \$300	HR	300.00
H. Excavation and Associated Items.				
	H1	6" - 8" Point repair ( 0'- 8' deep )	EA	4830.00
	H2	6" - 8" Point repair ( 8'- 12' deep)	EA	5520.00
	H3	6" - 8" Point repair ( 12'-16' deep)	EA	10350.00
	H4	10" - 12" Point repair ( 0'- 8' deep )	EA	5060.00
	H5	10" - 12" Point repair ( 8'- 12' deep)	EA	5750.00
	H6	10" - 12" Point repair ( 12'-16' deep)	EA	11500.00
	H7	15" - 18" Point repair ( 0'-8' deep)	EA	6900.00
	H8	15" - 18" Point repair ( 8'-12' deep)	EA	8050.00
	H9	15" - 18" Point repair ( 12'-16' deep)	EA	13800.00
	H10	21" - 24" Point repair ( 0'-8' deep)	EA	13800.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	H11	21" - 24" Point repair ( 8'-12' deep)	EA	16100.00
	H12	21" - 24" Point repair ( 12'-16' deep)	EA	20700.00
	H13	6" - 8" Point repair extra length over 10 linear feet	LF	89.70
	H14	10" - 12" Point repair extra length over 10 linear feet	LF	89.70
	H15	15" - 18" Point repair extra length over 10 linear feet	LF	138.00
	H16	21" - 24" Point repair extra length over 10 linear feet	LF	207.00
	H17	Obstruction Removal ( 0'- 12' deep )	EA	3450.00
	H18	Obstruction Removal ( 12'- 15' deep )	EA	5750.00
	H19	External reconnect ( 0'- 8' deep) up to 5 linear feet	EA	1265.00
	H20	External reconnect ( 8'- 12' deep) up to 5 linear feet	EA	1725.00
	H21	External reconnect ( 12'- 16' deep) up to 5 linear feet	EA	4025.00
	H22	External reconnect ( 16-20' deep) up to 5 linear feet	EA	9775.00
	H23	External reconnect ( over 20' deep) up to 5 linear feet	EA	14375.00
	H24	Extra length service connection over 5 linear feet	LF	127.00
	H25	Remove and replace or install cleanout	EA	1840.00
	H26	New pipe installation by open cut 6" - 8" ( 0'- 8' deep )	LF	75.00
	H27	New pipe installation by open cut 6" - 8" ( 8'- 12' deep)	LF	80.00
	H28	New pipe installation by open cut 6" - 8" ( 12'-16' deep)	LF	105.00
	H29	New pipe installation by open cut 10" - 12" ( 0'- 8' deep )	LF	79.00
	H30	New pipe installation by open cut 10" - 12" ( 8'- 12' deep)	LF	86.00
	H31	New pipe installation by open cut 10" - 12" ( 12'-16' deep)	LF	115.00
	H32	New pipe installation by open cut 15" - 18" ( 0'-8' deep)	LF	125.00
	H33	New pipe installation by open cut 15" - 18" ( 8'-12' deep)	LF	145.00
	H34	New pipe installation by open cut 15" - 18" ( 12'-16' deep)	LF	165.00
	H35	New pipe installation by open cut 21" - 24" ( 0'-8' deep)	LF	145.00
	H36	New pipe installation by open cut 21" - 24" ( 8'-12' deep)	LF	165.00
	H37	New pipe installation by open cut 21" - 24" ( 12'-16' deep)	LF	185.00
	H38	Mobilization for open cut WO under 200' of pipe	EA	2500.00
	H39	Connection to existing manhole for open cut intallation	EA	2000.00
	H40	Pipe Seal Fix (8" Diameter)-Stainless Steel with EDPM	EA	3500.00
	H41	Pipe Seal Fix (10" Diameter)-Stainless Steel with EDPM	EA	3640.00
	H42	Pipe Seal Fix (12" Diameter)-Stainless Steel with EDPM	EA	3780.00
	H43	Pipe Seal Fix (15" Diameter)-Stainless Steel with EDPM	EA	4060.00
	H44	Pipe Seal Fix (18" Diameter)-Stainless Steel with EDPM	EA	4340.00
	H45	Pipe Seal Fix (21" Diameter)-Stainless Steel with EDPM	EA	4760.00
	H46	Pipe Seal Fix (24" Diameter)-Stainless Steel with EDPM	EA	5320.00
	H47	Access Pit (0'-8' deep)	EA	2875.00
	H48	Access Pit (8'-12' deep)	EA	4025.00
	H49	Access Pit (12'-16' deep)	EA	7475.00
	H50	Access Pit (16'-20' deep)	EA	9775.00
	H51	Access Pit (over 20' deep)	EA	15000.00
	H52	Potholing for Nearby Utility Location or Obstruction Removal (0'-8' deep)	EA	2300.00
	H53	Potholing for Nearby Utility Location or Obstruction Removal (8'-12' deep)	EA	2875.00
	H54	Potholing for Nearby Utility Location or Obstruction Removal (12'-16' deep)	EA	4025.00
	H55	Potholing for Nearby Utility Location or Obstruction Removal (16'-20' deep)	EA	7475.00
	H56	Trench safety (0-8' deep)	LF	5.75
	H57	Trench safety (8-12' deep)	LF	9.00
	H58	Trench safety (12-16' deep)	LF	20.00
	H59	Trench safety (16-20' deep)	LF	35.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	H60	Trench safety over 20' deep)	LF	100.00
	H61	Install New 4' DIA precast manhole 0' - 6' deep	EA	5980.00
	H62	Extra depth 4' DIA precast manhole over 6' deep	VF	633.00
	H63	Install New 5' DIA precast manhole 0' - 6' deep	EA	7820.00
	H64	Extra depth 5' DIA precast manhole over 6' deep	VF	863.00
	H65	Install New 6' DIA precast manhole 0' - 6' deep	EA	11270.00
	H66	Extra depth 6' DIA precast manhole over 6' deep	VF	1214.00
	H67	Install New 4' DIA fiberglass manhole 0' - 6' deep	EA	6325.00
	H68	Extra depth 4' DIA fiberglass manhole over 6' deep	VF	633.00
	H69	Install New 5' DIA fiberglass manhole 0' - 6' deep	EA	8050.00
	H70	Extra depth 5' DIA fiberglass manhole over 6' deep	VF	914.00
	H71	Install New 6' DIA fiberglass manhole 0' - 6' deep	EA	13800.00
	H72	Extra depth 6' DIA fiberglass manhole over 6' deep	VF	1214.00
	H73	Sanitary Sewer Structure, Type B Structure, Up to 6' deep	EA	14375.00
	H74	Extra Depth Type B Structure, greater than 6' depth	VF	863.00
	H75	Sanitary Sewer Structure, Type C Structure, Up to 6' deep	EA	14375.00
	H76	Extra Depth Type C Structure, greater than 6' depth	VF	863.00
	H77	Cement stabilized sand	TON	44.00
	H78	Granular backfill/Crushed Rock	TON	41.00
	H79	Flowable Fill	CY	167.00
	H80	Dewatering setup (well pointing) maximum 25' deep, includes 20 linear feet setup	EA	8625.00
	H81	Extra length dewatering over 20 linear feet	LF	100.00
	H82	Operation Maintain Well Points by the Day	DAY	978.00
	H83	Extra hand excavation	CY	144.00
I. Horizontal Directional Drilling (HDD)				
	I1	2"-4" Installation of pipe clay ground conditions (pipe cost excluded)	IN/DIA/LF	38.79
	I2	2"-4" Installation of pipe loose sand ground conditions (pipe cost excluded)	IN/DIA/LF	38.79
	I3	2"-4" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	IN/DIA/LF	45.00
	I4	2"-4" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	IN/DIA/LF	46.88
	I5	2"-4" Installation of pipe ground conditions per 1000 psi increase over 8000 psi	IN/DIA/LF	5.63
	I6	6"-8" Installation of pipe clay ground conditions (pipe cost excluded)	IN/DIA/LF	43.28
	I7	6"-8" Installation of pipe loose sand ground conditions (pipe cost excluded)	IN/DIA/LF	43.28
	I8	6"-8" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	IN/DIA/LF	48.91
	I9	6"-8" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	IN/DIA/LF	59.21
	I10	6"-8" Installation of pipe ground conditions per 1000 psi increase over 8000 psi	IN/DIA/LF	8.13
	I11	10"-12" Installation of pipe clay ground conditions (pipe cost excluded)	IN/DIA/LF	46.88
	I12	10"-12" Installation of pipe loose sand ground conditions (pipe cost excluded)	IN/DIA/LF	46.88
	I13	10"-12" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	IN/DIA/LF	50.68
	I14	10"-12" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	IN/DIA/LF	70.31
	I15	10"-12" Installation of pipe ground conditions per 1000 psi increase over 8000 psi	IN/DIA/LF	13.75
	I16	15"-18" Installation of pipe clay ground conditions (pipe cost excluded)	IN/DIA/LF	160.71
	I17	15"-18" Installation of pipe loose sand ground conditions (pipe cost excluded)	IN/DIA/LF	160.71
	I18	15"-18" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	IN/DIA/LF	208.34
	I19	15"-18" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	IN/DIA/LF	225.00
	I20	15"-18" Installation of pipe ground conditions per 1000 psi increase over 8000 psi	IN/DIA/LF	26.04
	I21	21"-24" Installation of pipe clay ground conditions (pipe cost excluded)	IN/DIA/LF	187.50
	I22	21"-24" Installation of pipe loose sand ground conditions (pipe cost excluded)	IN/DIA/LF	187.50
	I23	21"-24" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	IN/DIA/LF	255.69

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	I24	21"-24" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	IN/DIA/LF	312.50
	I25	21"-24" Installation of pipe ground conditions per 1000 psi increase over 8000 ps	IN/DIA/LF	31.96
	I26	Access Pit for Directional Drill (0'-8' deep)	EA	1106.25
	I27	Access Pit for Directional Drill (8'-12' deep)	EA	1666.25
	I28	Access Pit for Directional Drill (12'-16' deep)	EA	2962.50
	I29	Access Pit for Directional Drill (16'-20' deep)	EA	5556.25
	I30	2"-4" Set-up for contiguous lengths <150 lf	LS	3625.00
	I31	6"-8" Set-up for contiguous lengths <150 lf	LS	3625.00
	I32	10"-12" Set-up for contiguous lengths <150 lf	LS	3625.00
	I33	15"-18" Set-up for contiguous lengths <150 lf	LS	3625.00
	I34	21"-24" Set-up for contiguous lengths <150 lf	LS	3625.00
	I35	27"-36" Set-up for contiguous lengths <150 lf	LS	3625.00
J. Bypass Pumping for Gravity Pipe and Associated Items.				
	J1	Set up 4" pump and piping including up to 1000 feet of bypass discharge line	EA	2559.00
	J2	Set up 6" pump and piping including up to 1000 feet of bypass discharge line	EA	4800.00
	J3	Set up 8" pump and piping including up to 1000 feet of bypass discharge line	EA	11000.00
	J4	Set up 12" pump and piping including up to 1000 feet of bypass discharge line	EA	17400.00
	J5	Set up 18" pump and piping including up to 1000 feet of bypass discharge line	EA	27000.00
	J6	Additional Length 8" Bypass Discharge Line over 1000 feet	LF	36.00
	J7	Additional Length 10" Bypass Discharge Line over 1000 feet	LF	48.00
	J8	Additional Length 12" Bypass Discharge Line over 1000 feet	LF	88.00
	J9	Additional Length 18" Bypass Discharge Line over 1000 feet	LF	132.00
	J10	Operate 4" pumping System per pump	DAY	500.00
	J11	Operate 6" pumping System per pump	DAY	2880.00
	J12	Operate 8" pumping System per pump	DAY	5640.00
	J13	Operate 12" pumping System per pump	DAY	8840.00
	J14	Operate 18" pumping System per pump	DAY	17760.00
	J15	Bypass - Driveway Ramp (Setup, Operate, Maintain)	DAY	3000.00
	J16	Bypass - Street Ramp (Setup, Operate, Maintain)	DAY	3000.00
	J17	Bypass - Street Trenching excluding restoration for 8" Pipe (Setup, Operate, Maintain)	LF	92.00
	J18	Bypass - Street Trenching excluding restoration for 12" Pipe (Setup, Operate, Maintain)	LF	92.00
	J19	Bypass - Street Trenching excluding restoration for 18" Pipe (Setup, Operate, Maintain)	LF	92.00
	J20	PIPE FUSION MACHINE 6"-18"	DAY	625.00
	J21	PIPE FUSION MACHINE 4" - 12"	DAY	550.00
	J22	PUMP 3" SELF PRIME - DIESEL	DAY	87.50
	J23	PUMP 3" VENTURI PRIME - DIESEL	DAY	106.00
	J24	PUMP 4" VAC ASSIST - DIESEL	DAY	148.00
	J25	PUMP 4" DBA-SILENCER VAC ASSIST - DIESEL	DAY	153.00
	J26	PUMP 6" VAC ASSIST - DIESEL	DAY	163.00
	J27	PUMP 6" DBA-SILENCER VAC ASSIST - DIESEL	DAY	191.00
	J28	PUMP 8" VENTURI PRIME - DIESEL	DAY	258.00
	J29	PUMP 8" SUPER VENTURI PRIME - DIESEL	DAY	258.00
	J30	PUMP 8" SUPER VAC ASSIST - DIESEL	DAY	258.00
	J31	PUMP 8" SUPER VAC ASSIST - DIESEL	DAY	450.00
	J32	PUMP 12" VENTURI PRIME - DIESEL	DAY	430.00
	J33	PUMP 12" VAC ASSIST - DIESEL	DAY	430.00
	J34	PUMP 12" DBA-SILENCER VAC ASSIST - DSL	DAY	600.00
	J35	PUMP 12" SUPERVAC ASSIST - DIESEL	DAY	430.00

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	J36	PUMP 12" DBA-SILNCER SUPER VAC ASSIST-DSL	DAY	600.00
	J37	PUMP 14" VAC ASSIST - DIESEL	DAY	758.00
	J38	PUMP 18" VAC ASSIST - DIESEL	DAY	1225.00
	J39	PUMP 18" DBA-SILENCER VAC ASSIST - DSL	DAY	875.00
	J40	PUMP 10X8 VAC ASSIST - DIESEL	DAY	438.00
	J41	PUMP 10X8 DBA-SILENCER VAC ASSIST-DIESEL	DAY	625.00
	J42	PUMP 1" TO 1.5" AOD - POLY	DAY	67.00
	J43	PUMP 2" AOD - ALUMINUM	DAY	47.00
	J44	PUMP 2" AOD - STAINLESS	DAY	95.00
	J45	PUMP 2" AOD - POLY	DAY	116.00
	J46	PUMP 3" AOD - ALUMINUM	DAY	53.00
	J47	PUMP 3" AOD - STAINLESS	DAY	116.00
	J48	PUMP 2" TRASH	DAY	75.00
	J49	PUMP 3" TRASH	DAY	106.00
	J50	PUMP 4" TRASH	DAY	147.00
	J51	PUMP 4" HYDRAULIC HEAD - VORTEX	DAY	125.00
	J52	4" HYDRAULIC PUMP HEAD - CAST IRON	DAY	125.00
	J53	4" HYDRAULIC PUMP HEAD - SLUDGE	DAY	125.00
	J54	6" HYDRAULIC PUMP HEAD - CAST IRON	DAY	150.00
	J55	6" HYDRAULIC PUMP HEAD - STAINLESS	DAY	150.00
	J56	6" HYDRAULIC PUMP HEAD - SLUDGE	DAY	150.00
	J57	8" HYDRAULIC PUMP HEAD - CAST IRON	DAY	188.00
	J58	12" HYDRAULIC PUMP HEAD - CAST IRON	DAY	250.00
	J59	25HP HYDRAULIC POWER UNIT	DAY	188.00
	J60	65HP HYDRAULIC POWER UNIT	DAY	250.00
	J61	150HP HYDRAULIC POWER UNIT	DAY	584.00
	J62	PUMP 6" PISTON DBA-WELLPOINT - DIESEL	DAY	250.00
	J63	PUMP 8" PISTON DBA-WELLPOINT - DIESEL	DAY	375.00
	J64	GATE VALVE 6" AND UNDER STAINLESS STEEL	DAY	20.00
	J65	GATE VALVE 8"	DAY	19.00
	J66	GATE VALVE 8" STAINLESS STEEL	DAY	38.00
	J67	GATE VALVE 12"	DAY	7.00
	J68	GATE VALVE 12" STAINLESS STEEL	DAY	28.00
	J69	GATE VALVE 14"	DAY	20.00
	J70	18" KNIFE GATE VALVE	DAY	185.00
	J71	GATE VALVE 12"	DAY	7.00
	J72	4" CHECK VALVE	DAY	16.00
	J73	12" CHECK VALVE	DAY	47.00
	J74	STANDALONE PUMP MANIFOLD	DAY	188.00
	J75	HOSE 2X20 PVC SUCTION - CAMLOCK	DAY	12.00
	J76	HOSE 2X20 RUBBER SUCTION - CAMLOCK	DAY	12.00
	J77	HOSE 2X50 RUBBER DISCHARGE - CAMLOCK	DAY	12.00
	J78	HOSE 2X50 LAYFLAT DISCHARGE - CAMLOCK	DAY	9.00
	J79	HOSE 3X20 PVC SUCTION - CAMLOCK	DAY	33.00
	J80	HOSE 3X20 TANK TRUCK - CAMLOCK	DAY	33.00
	J81	HOSE 3X20 RUBBER SUCTION - CAMLOCK	DAY	33.00
	J82	HOSE 3X50 LAYFLAT DISCHARGE - CAMLOCK	DAY	10.00
	J83	HOSE 4X10 RUBBER SUCTION - QC	DAY	19.00
	J84	HOSE 4X20 PVC SUCTION - CAMLOCK	DAY	14.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	J85	HOSE 4X20 KANAFLEX SUCTION - CAMLOCK	DAY	24.00
	J86	HOSE 4X20 OSD - FLANGED	DAY	31.00
	J87	HOSE 4X20 TANK TRUCK - FLANGED	DAY	31.00
	J88	HOSE 4X20 TANK TRUCK - CAMLOCK	DAY	24.00
	J89	HOSE 4X20 RUBBER SUCTION - CAMLOCK	DAY	24.00
	J90	HOSE 4X20 RUBBER SUCTION - QC	DAY	24.00
	J91	HOSE 4X50 LAYFLAT DISCHARGE - CAMLOCK	DAY	24.00
	J92	HOSE 4X50 LAYFLAT DISCHARGE - QC	DAY	24.00
	J93	HOSE 4X50 RUBBER DISCHARGE - CAMLOCK	DAY	24.00
	J94	HOSE 6X10 RUBBER SUCTION - CAMLOCK	DAY	24.00
	J95	HOSE 6X10 RUBBER SUCTION - QC	DAY	24.00
	J96	HOSE 6X20 PVC SUCTION - CAMLOCK	DAY	24.00
	J97	HOSE 6X20 KANAFLEX SUCTION - CAMLOCK	DAY	44.00
	J98	HOSE 6X20 KANAFLEX SUCTION - QC	DAY	44.00
	J99	HOSE 6X20 COMPOSITE OSD - FLANGED	DAY	44.00
	J100	HOSE 6X20 OSD - FLANGED	DAY	44.00
	J101	HOSE 6X20 TANK TRUCK - CAMLOCK	DAY	44.00
	J102	HOSE 6X20 RUBBER SUCTION - CAMLOCK	DAY	44.00
	J103	HOSE 6X20 RUBBER SUCTION - QC	DAY	44.00
	J104	HOSE 6X50 LAYFLAT DISCHARGE - CAMLOCK	DAY	44.00
	J105	HOSE 6X50 LAYFLAT DISCHARGE - QC	DAY	44.00
	J106	HOSE 6X50 RUBBER DISCHARGE - CAMLOCK	DAY	44.00
	J107	HOSE 8X10 KANAFLEX SUCTION - QC	DAY	75.00
	J108	HOSE 8X10 RUBBER SUCTION - QC	DAY	50.00
	J109	HOSE 8X20 KANAFLEX SUCTION - CAMLOCK	DAY	50.00
	J110	HOSE 8X20 KANAFLEX SUCTION - QC	DAY	50.00
	J111	HOSE 8X20 COMPOSITE OSD - FLANGED	DAY	50.00
	J112	HOSE 8X20 OSD - FLANGED	DAY	50.00
	J113	HOSE 8X20 RUBBER SUCTION - QC	DAY	50.00
	J114	HOSE 8X50 LAYFLAT DISCHARGE - CAMLOCK	DAY	50.00
	J115	HOSE 8X50 LAYFLAT DISCHARGE - QC	DAY	50.00
	J116	HOSE 8X50 RUBBER DISCHARGE - QC	DAY	50.00
	J117	HOSE 10X20 OSD - FLANGED	DAY	57.00
	J118	HOSE 12X10 STAINLESS - FLANGED	DAY	125.00
	J119	HOSE 12X10 OSD - FLANGED	DAY	83.00
	J120	HOSE 12X10 RUBBER SUCTION - FLANGED	DAY	83.00
	J121	HOSE 12X10 RUBBER SUCTION - QC	DAY	83.00
	J122	HOSE 12X20 OSD - FLANGED	DAY	75.00
	J123	HOSE 12X20 RUBBER SUCTION - QC	DAY	83.00
	J124	HOSE 12X25 OSD - FLANGED	DAY	74.00
	J125	HOSE 12X25 OSD DISCHARGE - FLANGED	DAY	74.00
	J126	HOSE 12X30 OSD DISCHARGE - FLANGED	DAY	148.00
	J127	HOSE 14X10 OSD - FLANGED	DAY	148.00
	J128	HOSE 14X20 OSD - FLANGED	DAY	144.00
	J129	6 X 6 CONTAINMENT BERM	DAY	63.00
	J130	8" 45 DEGREE QC ELBOW FITTING	DAY	19.00
	J131	8" 90 DEGREE BAUER FITTING	DAY	19.00
	J132	1 X 50 HYD HOSE	DAY	113.00
	J133	1-1/4 X 50 HYDRAULIC HOSE	DAY	113.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	J134	FLANGED REDUCERS (ALL SIZES)	DAY	13.00
	J135	Y'S	DAY	7.00
	J136	T'S	DAY	13.00
	J137	STRAINERS (ALL SIZES)	DAY	7.00
	J138	BUTTERFLY VALVES	DAY	19.00
	J139	90'S	DAY	25.00
	J140	45'S	DAY	25.00
	J141	4" ISOLATION VALVE	DAY	19.00
	J142	GATE VALVE 6" AND UNDER	DAY	17.00
	J143	12" HDPE 90	DAY	19.00
	J144	SUCTION/DISCHARGE MANIFOLD	DAY	125.00
	J145	12 X 12 CONTAINMENT BERM	DAY	125.00
	J146	12"-18" PIPE PLUG	DAY	51.00
	J147	4 X 10 BAUER PIPE	DAY	19.00
	J148	6 X 10 BAUER PIPE	DAY	19.00
	J149	6 X 20 BAUER PIPE	DAY	25.00
	J150	8 X 10 BAUER PIPE	DAY	25.00
	J151	8 X 20 BAUER PIPE	DAY	25.00
	J152	10' BRIDGE STYLE ROAD CROSSING	DAY	375.00
	J153	12" ROAD CROSSING	DAY	73.00
	J154	12" ROAD CROSSING DOUBLE WIDE	DAY	125.00
	J155	8" ROAD CROSSING	DAY	125.00
	J156	10" ROAD CROSSING DOUBLE WIDE	DAY	125.00
	J157	12" ROAD CROSSING	DAY	125.00
	J158	12" ROAD CROSSING DOUBLE WIDE	DAY	125.00
	J159	18" ROAD CROSSING	DAY	188.00
	J160	12 X 10 TYPE A BAUER PIPE	DAY	25.00
	J161	JET ROD	DAY	89.00
	J162	15" - 30" PIPE PLUG	DAY	89.00
	J163	WELLPOINT RISER	DAY	5.00
	J164	SWING ARM ASSEMBLY	DAY	5.00
	J165	8" WELLPOINT HEADER PVC	DAY	25.00
	J166	8" SCHEDULE 40 PVC 90	DAY	12.00
	J167	8" SCHEDULE 40 PVC TEE	DAY	12.00
	J168	6X20 WELLPOINT HEADER PIPE	DAY	19.00
	J169	6" - 20" FUSION MACHINE	DAY	625.00
	J170	8" HDPE PIPE DR17	LF	5.00
	J171	12X8 HDPE REDUCER	DAY	13.00
	J172	12" HDPE PIPE SDR 17	LF	5.00
	J173	12" HDPE PIPE SDR 26	LF	5.00
	J174	14" HDPE 14 X 12 REDUCER	DAY	8.00
	J175	18X12 HDPE REDUCER	DAY	8.00
	J176	18" HDPE 90	DAY	8.00
	J177	18" HDPE SDR 32.5	DAY	3.00
	J178	18" HDPE FLG W/BACKUP RING	DAY	8.00
	J179	18" HDPE 45 BEND	DAY	8.00
	J180	18" KNIFE VALVE	DAY	63.00
	J181	HDPE 45'S	DAY	3.00
	J182	HDPE 90'S	DAY	3.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	J183	18" HDPE PIPE DR17	LF	5.00
	J184	24" - 48" PIPE PLUG	DAY	160.00
	J185	8" PIPE PLUG	DAY	20.00
	J186	10" PIPE PLUG	DAY	24.00
	J187	12" PIPE PLUG	DAY	27.00
	J188	36" - 60" PIPE PLUG	DAY	297.00
	J189	12" FLNG TEE FLOAT HDPE	DAY	7.00
	J190	18 HDPE FLOATING TEE SUCTION	DAY	10.00
	J191	18" X 4" SADDLE	DAY	19.00
	J192	4" QC 45 BEND	DAY	7.00
	J193	4" QC 90 BEND	DAY	7.00
	J194	END CAP 6"	DAY	7.00
	J195	6" QC FLG X SOCKET	DAY	5.00
	J196	6" QC TEE	DAY	3.00
	J197	6" QC 45 BEND	DAY	5.00
	J198	16" HDPE PIPE	DAY	3.00
	J199	6" QC 90 BEND	DAY	5.00
	J200	8" QC FLG X SOCKET	DAY	3.00
	J201	8X12 QC ENLARGER	DAY	5.00
	J202	8"QC MPT X BALL	DAY	5.00
	J203	8 X 6 QC REDUCER	DAY	5.00
	J204	8" QC STRAINER	DAY	7.00
	J205	8" QC TEE	DAY	3.00
	J206	8" QC 45 BEND	DAY	3.00
	J207	8" QC FLG X BALL	DAY	15.00
	J208	8" QC 90 BEND	DAY	3.00
	J209	FLOAT SWITCH	DAY	9.00
	J210	8 X 20 QCP PIPE DR26	DAY	25.00
	J211	12" QC 90	DAY	5.00
	J212	12" QC 45	DAY	5.00
	J213	FITTING ELBOW 4" 90 DEGREES	DAY	7.00
	J214	FITTING ELBOW 8" 90 DEGREES	DAY	19.00
	J215	PUMP HYDROSTATIC TEST 10K PSI AIR	DAY	43.00
	J216	PUMP HYDROSTATIC TEST 8K PSI	DAY	59.00
	J217	HOSE 8' PUMP HYDROSTATIC TEST	DAY	73.00
	J218	PUMP WATCH PER 8 HOUR SHIFT	8HR	2000.00
	J219	HYDROSTATIC TESTING OF PIPING	HOUR	400.00
	J220	24 HOUR SYSTEM TEST	HOUR	400.00
	J221	TEAR DOWN 4" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	DAY	2400.00
	J222	TEAR DOWN 6" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	DAY	3000.00
	J223	TEAR DOWN 8" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	DAY	4300.00
	J224	TEAR DOWN 12" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	DAY	4200.00
	J225	TEAR DOWN 18" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	DAY	5500.00
	J226	TEAR DOWN ADDITIONAL BYPASS DISCHARGE LINE OVER 1000 FEET (ALL SIZES)	DAY	1500.00
K. Pressure Pipe Lining and Reinforced Pressure Pipe Lining Systems				
	K1	6" Installation of Pressure Pipe Lining (Potable)	LF	360.00
	K2	8" Installation of Pressure Pipe Lining (Potable)	LF	405.00
	K3	10" Installation of Pressure Pipe Lining (Potable)	LF	465.00



Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	K4	12" Installation of Pressure Pipe Lining (Potable)	LF	516.00
	K5	15" Installation of Pressure Pipe Lining (Potable)	LF	585.00
	K6	18" Installation of Pressure Pipe Lining (Potable)	LF	705.00
	K7	21" Installation of Pressure Pipe Lining (Potable)	LF	786.00
	K8	24" Installation of Pressure Pipe Lining (Potable)	LF	879.00
	K9	27" Installation of Pressure Pipe Lining (Potable)	LF	960.00
	K10	30" Installation of Pressure Pipe Lining (Potable)	LF	1185.00
	K11	33" Installation of Pressure Pipe Lining (Potable)	LF	1380.00
	K12	36" Installation of Pressure Pipe Lining (Potable)	LF	1518.00
	K13	39" Installation of Pressure Pipe Lining (Potable)	LF	1746.00
	K14	42" Installation of Pressure Pipe Lining (Potable)	LF	2070.00
	K15	48" Installation of Pressure Pipe Lining (Potable)	LF	2760.00
	K16	54" Installation of Pressure Pipe Lining (Potable)	LF	3300.00
	K17	6" Reinforced Pressure Pipe Lining (Non-Potable)	LF	270.00
	K18	8" Reinforced Pressure Pipe Lining (Non-Potable)	LF	330.00
	K19	10" Reinforced Pressure Pipe Lining (Non-Potable)	LF	390.00
	K20	12" Reinforced Pressure Pipe Lining (Non-Potable)	LF	450.00
	K21	15" Reinforced Pressure Pipe Lining (Non-Potable)	LF	510.00
	K22	18" Reinforced Pressure Pipe Lining (Non-Potable)	LF	630.00
	K23	21" Reinforced Pressure Pipe Lining (Non-Potable)	LF	696.00
	K24	24" Reinforced Pressure Pipe Lining (Non-Potable)	LF	855.00
	K25	27" Reinforced Pressure Pipe Lining (Non-Potable)	LF	960.00
	K26	30" Reinforced Pressure Pipe Lining (Non-Potable)	LF	1095.00
	K27	33" Reinforced Pressure Pipe Lining (Non-Potable)	LF	1290.00
	K28	36" Reinforced Pressure Pipe Lining (Non-Potable)	LF	1518.00
	K29	39" Reinforced Pressure Pipe Lining (Non-Potable)	LF	1665.00
	K30	42" Reinforced Pressure Pipe Lining (Non-Potable)	LF	2010.00
	K31	48" Reinforced Pressure Pipe Lining (Non-Potable)	LF	2700.00
	K32	54" Reinforced Pressure Pipe Lining (Non-Potable)	LF	3000.00
	K33	6" Installation of End Seal	EA	4140.00
	K34	8" Installation of End Seal	EA	4140.00
	K35	10" Installation of End Seal	EA	4140.00
	K36	12" Installation of End Seal	EA	4140.00
	K37	15" Installation of End Seal	EA	5520.00
	K38	18" Installation of End Seal	EA	6900.00
	K39	21" Installation of End Seal	EA	6900.00
	K40	24" Installation of End Seal	EA	8280.00
	K41	27" Installation of End Seal	EA	8280.00
	K42	30" Installation of End Seal	EA	8280.00
	K43	33" Installation of End Seal	EA	9660.00
	K44	36" Installation of End Seal	EA	9660.00
	K45	39" Installation of End Seal	EA	11040.00
	K46	42" Installation of End Seal	EA	11040.00
	K47	48" Installation of End Seal	EA	13800.00
	K48	54" Installation of End Seal	EA	13800.00
	K49	6"to 12" System set-up charge (<150 lf)	EA	4140.00
	K50	15" to 21" System set-up charge (<150 lf)	EA	4140.00
	K51	24" to 33" System set-up charge (<150 lf)	EA	4140.00
	K52	36" to 54" System set-up charge (<150 lf)	EA	4140.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
L. Pressure Pipeline Bypass				
	L1	Set up bypass of mainlines sizes 2"- 4" AWWA approved bypass	LF	110.40
	L2	Connection of each service from 2"- 4" AWWA approved bypass	EA	1269.60
	L3	Operation of 2"- 4" AWWA approved bypass	Day	2760.00
	L4	Set up bypass of mainlines sizes 6"- 8" AWWA approved bypass	LF	138.00
	L5	Connection of each service from 6"- 8" AWWA approved bypass	EA	1407.60
	L6	Operation of 6"- 8" AWWA approved bypass	Day	3312.00
	L7	Set up bypass of mainlines sizes 10"- 12" AWWA approved bypass	LF	165.60
	L8	Connection of each service from 10"- 12" AWWA approved bypass	EA	1725.00
	L9	Operation of 10"- 12" AWWA approved bypass	Day	5520.00
	L10	Set up bypass of mainlines sizes 13"- 19" AWWA approved bypass	LF	414.00
	L11	Connection of each service from 13"- 19" AWWA approved bypass	EA	1794.00
	L12	Operation of 13"- 19" AWWA approved bypass	Day	6900.00
	L13	Set up bypass of mainlines sizes 20"- 24" AWWA approved bypass	EA	552.00
	L14	Connection of each service from 20"- 24" AWWA approved bypass	EA	2760.00
	L15	Operation of 20"- 24" AWWA approved bypass	Day	6900.00
	L16	Set up bypass of mainlines sizes 25"- 30" AWWA approved bypass	LF	966.00
	L17	Connection of each service from 25"- 30" AWWA approved bypass	EA	2760.00
	L18	Operation of 25"- 30" AWWA approved bypass	Day	8280.00
	L19	Set up bypass of mainlines sizes 31"- 37" AWWA approved bypass	LF	1242.00
	L20	Connection of each service from 31"- 37" AWWA approved bypass	EA	2760.00
	L21	Operation of 31"- 37" AWWA approved bypass	Day	8280.00
	L22	Set up bypass of mainlines sizes 38"- 48" AWWA approved bypass	LF	1656.00
	L23	Connection of each service from 38"- 48" AWWA approved bypass	EA	2760.00
	L24	Operation of 38"- 48" AWWA approved bypass	Day	8280.00
	L25	Annual Generator Maintenance	EA	5000.00
M. Line Cleaning and Inspection for Pressure Pipelines and Mechanical Cleaning				
	M1	6" Cleaning with pressure propelled pigs	LF	27.60
	M2	8" Cleaning with pressure propelled pigs	LF	27.60
	M3	10" Cleaning with pressure propelled pigs	LF	27.60
	M4	12" Cleaning with pressure propelled pigs	LF	27.60
	M5	15" Cleaning with pressure propelled pigs	LF	41.40
	M6	18" Cleaning with pressure propelled pigs	LF	41.40
	M7	21" Cleaning with pressure propelled pigs	LF	41.40
	M8	24" Cleaning with pressure propelled pigs	LF	55.20
	M9	27" Cleaning with pressure propelled pigs	LF	55.20
	M10	30" Cleaning with pressure propelled pigs	LF	55.20
	M11	33" Cleaning with pressure propelled pigs	LF	55.20
	M12	36" Cleaning with pressure propelled pigs	LF	110.40
	M13	42" Cleaning with pressure propelled pigs	LF	110.40
	M14	48" Cleaning with pressure propelled pigs	LF	110.40
	M15	54" Cleaning with pressure propelled pigs	LF	110.40
	M16	6" Cleaning with scrapers or other attached tools	LF	41.40
	M17	8" Cleaning with scrapers or other attached tools	LF	41.40
	M18	10" Cleaning with scrapers or other attached tools	LF	41.40
	M19	12" Cleaning with scrapers or other attached tools	LF	41.40
	M20	15" Cleaning with scrapers or other attached tools	LF	55.20

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	M21	18" Cleaning with scrapers or other attached tools	LF	55.20
	M22	21" Cleaning with scrapers or other attached tools	LF	55.20
	M23	24" Cleaning with scrapers or other attached tools	LF	69.00
	M24	27" Cleaning with scrapers or other attached tools	LF	69.00
	M25	30" Cleaning with scrapers or other attached tools	LF	69.00
	M26	33" Cleaning with scrapers or other attached tools	LF	96.60
	M27	36" Cleaning with scrapers or other attached tools	LF	96.60
	M28	42" Cleaning with scrapers or other attached tools	LF	110.40
	M29	48" Cleaning with scrapers or other attached tools	LF	138.00
	M30	54" Cleaning with scrapers or other attached tools	LF	165.60
	M31	6" Pressure pipe inspection	LF	11.04
	M32	8" Pressure pipe inspection	LF	11.04
	M33	10" Pressure pipe inspection	LF	13.80
	M34	12" Pressure pipe inspection	LF	13.80
	M35	15" Pressure pipe inspection	LF	13.80
	M36	18" Pressure pipe inspection	LF	19.32
	M37	21" Pressure pipe inspection	LF	19.32
	M38	24" Pressure pipe inspection	LF	19.32
	M39	27" Pressure pipe inspection	LF	19.32
	M40	30" Pressure pipe inspection	LF	19.32
	M41	33" Pressure pipe inspection	LF	19.32
	M42	36" Pressure pipe inspection	LF	22.08
	M43	42" Pressure pipe inspection	LF	22.08
	M44	48" Pressure pipe inspection	LF	27.60
	M45	54" Pressure pipe inspection	LF	41.40
	M46	Tuberculation Removal (Pressure & Gravity Pipelines)	LF	40.00
N. Restoration and Associated Items				
	N1	Saw Cutting up to 8" depth	LF	9.00
	N2	Saw Cutting over 8" depth	LF	12.00
	N3	Repair/Rehab 2" Asphalt pavement	SY	52.00
	N4	Repair/Rehab 8" Flex base	SY	46.00
	N5	Repair/Rehab 8" Concrete pavement	SY	173.00
	N6	Repair/Rehab 6" Concrete driveway	SY	121.00
	N7	Repair/Rehab 4" Concrete sidewalk	SY	98.00
	N8	Repair/Rehab Concrete curb and gutter	LF	29.00
	N9	Sodding	SY	29.00
	N10	Repair/Rehab chain link fence with new	LF	25.00
	N11	Repair/Rehab wooden fence with new	LF	29.00
	N12	TOPSOIL COMPLETE	CY	41.00
	N13	SANDING COMPLETE	CY	41.00
	N14	MULCH COMPLETE	CY	41.00
	N15	STRAW BALE BARRIER	LF	20.00
	N16	TREE REPLACEMENT: HARDWOODS, 2"	EACH	863.00
	N17	TREE REPLACEMENT: PINES, 2"	EACH	863.00
	N18	SHRUB REPLACEMENT: 1 GALLON	EACH	40.00
	N19	SHRUB REPLACEMENT: 3 GALLON	EACH	63.00
	N20	SHRUB REPLACEMENT: 5 GALLON	EACH	82.00
	N21	SHRUB REPLACEMENT: 7 GALLON	EACH	122.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	N22	BEDDING FLOWERS: PER FLAT OF 18	EACH	575.00
	N23	STONE RIP RAP TYPE I, 24" IN PLACE COMPLETE	SY	260.00
	N24	STONE RIP RAP TYPE III, 12" IN PLACE COMPLETE	SY	260.00
	N25	STONE GROUTED RIP RAP - 12" INSTALLED	SY	288.00
	N26	SILT FENCE TYPE A, COMPLETE	LF	12.00
	N27	SILT FENCE TYPE C, COMPLETE	LF	8.00
	N28	ORANGE BARRIER FENCE	LF	6.00
	N29	HAY BALES COMPLETE	EACH	160.00
	N30	PLASTIC FILTER FABRIC INSTALLED	SY	10.00
	N31	PERMANENT SOIL REINF MAT INSTALLED	SF	125.00
O. Additional Labor Rates and Traffic Control				
	O1	SUPERINTENDENT - REGULAR	HR	35.00
	O2	FOREMAN - REGULAR	HR	30.00
	O3	LABORER - REGULAR	HR	20.00
	O4	TRUCK DRIVER - REGULAR	HR	24.00
	O5	UTILITY - REGULAR	HR	20.00
	O6	SUPERINTENDENT - OVER TIME	HR	65.00
	O7	FOREMAN - OVER TIME	HR	60.00
	O8	LABORER - OVER TIME	HR	32.00
	O9	TRUCK DRIVER - OVER TIME	HR	42.00
	O10	UTILITY - OVERTIME	HR	40.00
	O11	Barricades, Signs, and Traffic Handling (per setup)	EA	3500.00
	O12	Traffic Control Plan (per setup)	EA	2500.00
	O13	Flagmen	HR	40.00
	O14	Uniformed Officers	HR	65.00
	O15	SWPPP	EA	2500.00
	O16	Service Tech	HR	200.00
	O17	Holiday Pay	HR	300.00
P. Crew Travel & Mobilization				
	P1	Travel and Mobilization- TML Region 2 (Amarillo)	EA	8970.00
	P2	Travel and Mobilization- TML Region 3 (Caprock-Lubbock)	EA	8970.00
	P3	Travel and Mobilization- TML Region 4 (Permian Basin Region-Odessa)	EA	8970.00
	P4	Travel and Mobilization- TML Region 5 (Red River Valley-Wichita Falls)	EA	5980.00
	P5	Travel and Mobilization- TML Region 6 (Hub of Texas-Abilene)	EA	4784.00
	P6	Travel and Mobilization- TML Region 7 (Alamo Region-San Antonio)	EA	4784.00
	P7	Travel and Mobilization- TML Region 8 (Where the West Begins-Ft. Worth)	EA	3250.00
	P8	Travel and Mobilization- TML Region 9 (Heart of Texas-Waco)	EA	4784.00
	P9	Travel and Mobilization- TML Region 10 (Highland Lakes-Austin)	EA	3250.00
	P10	Travel and Mobilization- TML Region 11(Coastal Bend-Corpus Christi)	EA	8970.00
	P11	Travel and Mobilization- TML Region 12 (Lower Rio Grande Valley-McAllen)	EA	11960.00
	P12	Travel and Mobilization- TML Region 13 (North Central Texas-Dallas)	EA	3250.00
	P13	Travel and Mobilization- TML Region 14 (San Jacinto-Houston Area)	EA	3250.00
	P14	Travel and Mobilization- TML Region 15 (Tyler-Longview)	EA	4784.00
	P15	Travel and Mobilization- TML Region 16 (Golden Pine & Oil-Beaumont)	EA	4784.00
	P16	Travel and Mobilization - Oklahoma	EA	13000.00
	P17	Travel and Mobilization - Louisiana	EA	9750.00
	P18	Travel and Mobilization - Colorado	EA	20000.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	P19	Travel and Mobilization - Arkansas	EA	20000.00
	P20	Travel and Mobilization - Missouri	EA	20000.00
	P21	Travel and Mobilization - Kansas	EA	20000.00
	P22	Travel and Mobilization - Emergency Mobilization	EA	10000.00
	P23	Travel and Mobilization - Rehab of Less Than 100 Ft	EA	25000.00
	P24	Travel and Mobilization - Rehab of 101 Ft to 300 Ft	EA	20000.00
	P25	Travel and Mobilization - Rehab of 301 Ft to 500 Ft	EA	15000.00
	P26	Travel and Mobilization - Rehab of 501 Ft to 1000 Ft	EA	10000.00
	P27	Travel and Mobilization - Alabama	EA	20000.00
	P28	Travel and Mobilization - Alaska	EA	100000.00
	P29	Travel and Mobilization - Arizona	EA	35000.00
	P30	Travel and Mobilization - Arkansas	EA	20000.00
	P31	Travel and Mobilization - California	EA	45000.00
	P32	Travel and Mobilization - Colorado	EA	30000.00
	P33	Travel and Mobilization - Connecticut	EA	50000.00
	P34	Travel and Mobilization - Delaware	EA	50000.00
	P35	Travel and Mobilization - Florida	EA	30000.00
	P36	Travel and Mobilization - Georgia	EA	35000.00
	P37	Travel and Mobilization - Hawaii	EA	300000.00
	P38	Travel and Mobilization - Idaho	EA	45000.00
	P39	Travel and Mobilization - Illinois	EA	30000.00
	P40	Travel and Mobilization - Indiana	EA	30000.00
	P41	Travel and Mobilization - Iowa	EA	30000.00
	P42	Travel and Mobilization - Kansas	EA	30000.00
	P43	Travel and Mobilization - Kentucky	EA	30000.00
	P44	Travel and Mobilization - Louisiana	EA	20000.00
	P45	Travel and Mobilization - Maine	EA	50000.00
	P46	Travel and Mobilization - Maryland	EA	30000.00
	P47	Travel and Mobilization - Massachusetts	EA	30000.00
	P48	Travel and Mobilization - Michigan	EA	30000.00
	P49	Travel and Mobilization - Minnesota	EA	30000.00
	P50	Travel and Mobilization - Mississippi	EA	20000.00
	P51	Travel and Mobilization - Montana	EA	30000.00
	P52	Travel and Mobilization - Nebraska	EA	30000.00
	P53	Travel and Mobilization - Nevada	EA	45000.00
	P54	Travel and Mobilization - New Hampshire	EA	45000.00
	P55	Travel and Mobilization - New Jersey	EA	50000.00
	P56	Travel and Mobilization - New Mexico	EA	40000.00
	P57	Travel and Mobilization - New York	EA	45000.00
	P58	Travel and Mobilization - North Carolina	EA	30000.00
	P59	Travel and Mobilization - North Dakota	EA	40000.00
	P60	Travel and Mobilization - Ohio	EA	40000.00
	P61	Travel and Mobilization - Oklahoma	EA	15000.00
	P62	Travel and Mobilization - Oregon	EA	45000.00
	P63	Travel and Mobilization - Pennsylvania	EA	40000.00
	P64	Travel and Mobilization - Rhode Island	EA	45000.00
	P65	Travel and Mobilization - South Carolina	EA	30000.00
	P66	Travel and Mobilization - South Dakota	EA	40000.00
	P67	Travel and Mobilization - Tennessee	EA	30000.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	P68	Travel and Mobilization - Utah	EA	30000.00
	P69	Travel and Mobilization - Vermont	EA	40000.00
	P70	Travel and Mobilization - Virginia	EA	40000.00
	P71	Travel and Mobilization - Washington	EA	50000.00
	P72	Travel and Mobilization - West Varginia	EA	30000.00
	P73	Travel and Mobilization - Wisconsin	EA	40000.00
	P74	Travel and Mobilization - Wyoming	EA	40000.00
	P75	Travel and Mobilization - Emergency Mobilization	EA	10000.00
	P76	Travel and Mobilization - Rehab of Less Than 100 Ft	EA	25000.00
	P77	Travel and Mobilization - Rehab of 101 Ft to 300 Ft	EA	20000.00
	P78	Travel and Mobilization - Rehab of 301 Ft to 500 Ft	EA	15000.00
	P79	Travel and Mobilization - Rehab of 501 Ft to 1000 Ft	EA	10000.00

**FORM E - Products and Services Offerings (Tab B)**

Offer Name:		Vortex Companies, LLC		
Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
Section	Item No.	Full Description	UNITS	PRICE
AA. Quadex Lining Sytem Equipment				
	AA1	Quadex Lining System Rig	EA	325000.00
	AA2	Quadex SprayMaster Manhole Lining Equipment	EA	75000.00
	AA3	Quadex SpinMaster Robotic SpinCasting Equipment	EA	12000.00
	AA4	QM-1s Restore Pallet (56 bags) 60# bags	EA	1400.00
	AA5	Aluminliner Pallet (56 bags) 60# bags	EA	1960.00
	AA6	Aluminliner PF Pallet (56 bags) 60# bags	EA	2240.00
	AA7	Quad Plug Pallet (36 pails) 50# pail	EA	2240.00
	AA8	Hyperform Pallet (56 bags) 60# bags	EA	2240.00
	AA9	GeoKrete Pallet (56 bags) 60# bags	EA	3080.00
BB. Robots and Cameras				
	BB1	DT640 MAG Underwater ROV Robot - magnetic wheels (DEEP TREKKER)	EA	16497.8
	BB2	DT640 STD Underwater ROV Robot (DEEP TREKKER)	EA	13747.8
	BB3	DTG2 STARTER PKG Fully Portable ROV for Underwater Inspection (DEEP TREKKER)	EA	4288.9
	BB4	DTG2 PRO PKG Fully Portable ROV for Underwater Inspection (DEEP TREKKER)	EA	5388.9
	BB5	DTG2 SMART PKG Fully Portable ROV for Underwater Inspection (DEEP TREKKER)	EA	8578.9
	BB6	DTG2 WORKER PKG Fully Portable ROV for Underwater Inspection (DEEP TREKKER)	EA	10448.9
	BB7	DTPOD 150 BASE SYSTEM - surveillance and monitoring camera (DEEP TREKKER)	EA	2418.9
	BB8	DTPOD 300 BASE SYSTEM - surveillance and monitoring camera (DEEP TREKKER)	EA	5498.9
	BB9	DT340L PIPE CRAWLER - pipe inspection system (DEEP TREKKER)	EA	12900
	BB10	DT340S PIPE CRAWLER - pan & tilt pipe inspection system (DEEP TREKKER)	EA	27500
	BB11	DT340X PIPE CRAWLER - LARGE pan & tilt pipe inspection system (DEEP TREKKER)	EA	36000
	BB12	MINI MILLER ROBOT G8/17 110v (PICOTE)	EA	4141
	BB13	MAXI MILLER ROBOT KK12/30 110v (PICOTE)	EA	10985
	BB14	MAXI MILLER POWER PLUS ROBOT 18/20 400v (PICOTE)	EA	19125
	BB15	Coating Pump U.S., UK 110v (includes 3 hose connectors and 2 brush stoppers) (PICOTE)	EA	7128
	BB16	1330 Robot (SCHWALM)	EA	71500
	BB17	2060 Robot F (SCHWALM)	EA	102850
	BB18	2060 Robot Z (SCHWALM)	EA	103950
	BB19	Focus Camera (SCHWALM)	EA	8250
	BB20	Zoom Camera (SCHWALM)	EA	9900
	BB21	12000 Air Motor (SCHWALM)	EA	2400
	BB22	13000 Air Motor (SCHWALM)	EA	2100
	BB23	Digital Box (SCHWALM)	EA	7200
	BB24	Control Unit Schwalm (SCHWALM)	EA	20350
	BB25	Control Unit Cues (SCHWALM)	EA	20000
	BB26	Remote (SCHWALM)	EA	742.5
	BB27	Cable Drum (SCHWALM)	EA	20900
	BB28	Twin Hose Reel (SCHWALM)	EA	17500
	BB29	6" Schwalm non-flow-through packer (SCHWALM)	EA	4000
	BB30	7" Schwalm non-flow-through packer (SCHWALM)	EA	4200
	BB31	8" Schwalm non-flow-through packer (SCHWALM)	EA	4300
	BB32	8" Schwalm flow-through packer (SCHWALM)	EA	7100

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	BB33	10"-12" Schwalm flow-through packer (SCHWALM)	EA	7600
	BB34	4" Schwalm rubber lateral insertion device (lid) (SCHWALM)	EA	520
	BB35	6" Schwalm rubber lateral insertion device (lid) (SCHWALM)	EA	520
CC. Internal Pipe Seal-mechanical, stainless steel sleeve with EPDM rubber				
	CC1	8"-Stainless steel with EPDM	EA	756.00
	CC2	10"-Stainless steel with EPDM	EA	786.00
	CC3	12"-Stainless steel with EPDM	EA	819.00
	CC4	15"-Stainless steel with EPDM	EA	948.15
	CC5	18"-Stainless steel with EPDM	EA	1042.00
	CC6	21"-Stainless steel with EPDM	EA	1190.70
	CC7	24"-Stainless steel with EPDM	EA	1404.90
DD. Installation Packer for Internal Pipe Seals				
	DD1	8'-12" Packer with coupling rod	EA	5500.00
	DD2	15"-18" Packer with coupling rod	EA	6900.00
	DD3	21"-24" Packer with coupling rod	EA	8100.00
EE. Liner End Seal-mechanical, stainless steel sleeve with EPDM rubber				
	EE1	8"-Stainless steel with EPDM	EA	677.25
	EE2	10"-Stainless steel with EPDM	EA	690.00
	EE3	12"-Stainless steel with EPDM	EA	708.75
	EE4	15"-Stainless steel with EPDM	EA	897.75
	EE5	18"-Stainless steel with EPDM	EA	995.00
	EE6	21"-Stainless steel with EPDM	EA	1118.25
	EE7	24"-Stainless steel with EPDM	EA	1244.25
FF. Flusher Gate				
	FF1	Flusher Gate	EA	25000.00
GG. UV Light Cured Spiral Wound Fiberglass Liner for CIPP Mainline Rehabilitation Gravity Applications and Additional Associated Items.				
	GG1	6" X 2.8mm UV CURE	LF	54.00
	GG2	8 X 2.8mm UV CURE	LF	52.00
	GG3	10 X 2.8mm UV CURE	LF	55.00
	GG4	12" X 2.8mm UV CURE	LF	61.00
	GG5	15" X 3.5mm UV CURE	LF	74.00
	GG6	18" X 4.2mm UV CURE	LF	105.00
	GG7	21" X 4.9mm UV CURE	LF	135.00
	GG8	24" x 5.6mm UV CURE	LF	168.00
	GG9	27" x 5.6mm UV CURE	LF	219.00
	GG10	30" x 5.6mm UV CURE	LF	240.00
	GG11	33" x 5.6mm UV CURE	LF	271.00
	GG12	36" x 5.6mm UV CURE	LF	305.00
	GG13	42" x 8.4mm UV CURE	LF	467.00
	GG14	48" x 8.4mm UV CURE	LF	541.00
	GG15	Cured-In-Place Pipe Segmental Patches 6" UV Cure	EA	4800.00
	GG16	Cured-In-Place Pipe Segmental Patches 8"-12" UV Cure	EA	5400.00
	GG17	Cured-In-Place Pipe Segmental Patches 13"-18" UV Cure	EA	9000.00
	GG18	Cured-In-Place Pipe Segmental Patches 19"-24" UV Cure	EA	10600.00



Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	GG19	Cured-In-Place Pipe Segmental Patches 25"-36"" UV Cure	EA	14000.00
	GG20	Internal reconnects on Cured-in-place pipe	EA	276.00
	GG21	6" & 8" Additional 1.5mm	LF	0.92
	GG22	10" & 12" Additional 1.5mm	LF	4.60
	GG23	15" & 18" Additional 1.5mm	LF	13.80
	GG24	21" & 24" Additional 1.5mm	LF	23.00
	GG25	27" Additional 1.5mm	LF	27.60
	GG26	30" Additional 1.5mm	LF	32.20
	GG27	33" Additional 1.5mm	EA	36.80
	GG28	36" Additional 1.5mm	EA	41.40
	GG29	42" Additional 1.5mm	EA	46.00
	GG30	48" Additional 1.5mm	EA	55.20
	GG31	54" Additional 1.5mm	EA	64.40
	GG32	60" Additional 1.5mm	EA	75.00
	GG33	6" & 8" Additional .7mm	LF	4.00
	GG34	10" & 12" Additional .7mm	LF	7.00
	GG35	15" Additional .7mm	LF	9.00
	GG36	18" Additional .7mm	LF	10.00
	GG37	21" Additional .7mm	LF	12.00
	GG38	24" Additional .7mm	LF	14.00
	GG39	27" Additional .7mm	LF	15.00
	GG40	30" Additional .7mm	LF	17.00
	GG41	33" Additional .7mm	LF	18.00
	GG42	36" Additional .7mm	LF	20.00
	GG43	42" Additional .7mm	LF	29.00
	GG44	48" Additional .7mm	LF	42.00
	GG45	6"-12" CIPP Set-up Charge	LF	7.00
	GG46	15"-18" CIPP Set-up Charge	LF	12.00
	GG47	21"-24" CIPP Set-up Charge	LF	18.00
	GG48	27"-36" CIPP Set-up Charge	LF	24.00
	GG49	42"-48" CIPP Set-up Charge	LF	24.00
	GG50	6" - 12" CIPP Additional Charge Per Install Length (>200')	LF	36.00
	GG51	15" - 18" CIPP Additional Charge Per Install Length (>200')	LF	42.00
	GG52	21" - 24" CIPP Additional Charge Per Install Length (>200')	LF	42.00
	GG53	27" - 36" CIPP Additional Charge Per Install Length (>200')	LF	48.00
	GG54	42" - 48" CIPP Additional Charge Per Install Length (>200')	LF	54.00
	GG55	6" to 12" Backyard Easement Additional Set-up Per Install Length	LF	5.00
	GG56	15" to 24" Backyard Easement Additional Set-up Per Install Length	LF	10.00
	GG57	27" to 48" Backyard Easement Additional Set-up Per Install Length	LF	15.00
	GG58	Travel and Mobilization- Pipeline Rehabilitation Crew from New Braunfels, TX	MILE	14.00
	GG59	4"-6" Installation and cure of lateral liner from main <12" dia.	LF	4600.00
	GG60	4"-6" Installation and cure of lateral liner from surface clean out to main	LF	5980.00
	GG61	4"-6" Set-up for installations of <20 each total	EA	4600.00
	GG62	4"-6" Set-up for installations of 20-50 each total	EA	3220.00
	GG63	4"-6" Set-up for installations of 51-150 each total	EA	1840.00
	GG64	6" - 12" CIPP Setup Charge (< 300 LF)	EA	1000.00
	GG65	15" - 21" CIPP Setup Charge (< 300 LF)	EA	1500.00
	GG66	24" - 36" CIPP Setup Charge (< 300 LF)	EA	2000.00
	GG67	36" or Larger CIPP Setup Charge (< 300 LF)	EA	4000.00

Invitation No.		TP07-18 Trenchless Pipeline Rehabilitation Services		
	GG68	Backyard Easement Setup (6" - 10")	EA	2500.00
	GG69	Backyard Easement Setup (12" - 18")	EA	3500.00
	GG70	Timber Matting for Large Diameter Setup	SY	75.00
	GG71	4" Wye Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	GG72	5" Wye Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	GG73	6" Wye Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	GG74	4" Tee Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	GG75	5" Tee Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
	GG76	6" Tee Top Hat PipePatch Lateral Kit INSTALLED	EA	3000.00
HH. Sealing of RCP or CMP Storm Sewer Joints and Additional Associated Items.				
	HH1	Quadex Lining System Rig	EA	325000.00
	HH2	Quadex SprayMaster Manhole Lining Equipment	EA	75000.00
	HH3	Quadex SpinMaster Robotic SpinCasting Equipment	EA	12000.00
	HH4	QM-1s Restore Pallet (56 bags) 60# bags	EA	1400.00
	HH5	Aluminliner Pallet (56 bags) 60# bags	EA	1960.00
	HH6	Aluminliner PF Pallet (56 bags) 60# bags	EA	2240.00
	HH7	Quad Plug Pallet (36 pails) 50# pail	EA	2240.00
	HH8	Hyperform Pallet (56 bags) 60# bags	EA	2240.00
	HH9	GeoKrete Pallet (56 bags) 60# bags	EA	3080.00
II. Sealing of Box Culvert Storm Sewer Joints and Additional Associated Items.				
	II1	SEE ITEM(S) HH ABOVE		
JJ. Gravity Sewer Lateral Renewal Systems and Additional Associated Items.				
	JJ1	4" Wye Top Hat PipePatch Kit	EA	145.00
	JJ2	5" Wye Top Hat PipePatch Kit	EA	155.00
	JJ3	6" Wye Top Hat PipePatch Kit	EA	165.00
	JJ4	4" Tee Top Hat PipePatch Kit	EA	145.00
	JJ5	5" Tee Top Hat PipePatch Kit	EA	155.00
	JJ6	6" Tee Top Hat PipePatch Kit	EA	165.00