10CLR CLARENCE BLANKET BID RESULTS

CONTRACTOR	BID TOTAL
Municipal Pipe	$1,057,280.00
Burrows Bros.	$1,082,984.00
E.R.S.C.	$1,083,808.75
InfraSource Underground Construction	$1,336,316.35
Babcock Utilities	$1,343,740.15
Freeway Contracting	$1,746,525.00

BID #10CLR - CLARENCE BLANKET SVCS & MAINLINE EXT

Cover Page and Summary Information

BID SUBMISSION

BID DUE DATE: 11/5/2009 @ 12:00 NOON

We submit a bid as follows:

Subtotal Service Cut-offs:	$ 3,745.00
Subtotal Service Renewals:	$ 227,955.00
Subtotal Williamson Fittings:	$ 17,960.00
Subtotal Meter Set Installations:	$ 8,050.00
Subtotal Leak Repairs:	$ 3,100.00
Subtotal Mainline Extensions:	$ 265,462.50
Subtotal Mainline Direct Bury (Developed Areas):	$ 52,750.00
Subtotal Mainline Insertion (Developed Areas):	$ 82,162.50
Subtotal Miscellaneous Work (Mains):	$ 37,400.00
Subtotal Miscellaneous Work (Services):	$ 27,075.00
Subtotal Tie-Ins - LP STL:	$ 10,900.00
Subtotal Tie-Ins - LP & MP PLT:	$ 37,353.00
Subtotal Permanent Cut-offs - LP STL:	$ 17,332.00
Subtotal Permanent Cut-offs - LP & MP PLT:	$ 5,113.00
Subtotal Permanent Cut-offs - MP STL:	$ 5,794.00
Subtotal New Services:	$ 222,030.00
Subtotal Directional Drilling:	$ 58,800.00
Total Base Bid:	$ 1,082,984.00

The above Total Base Bid includes the value of National Fuel Gas Distribution Corporation (the "Company") materials to be used by the Contractor in connection with the Work.

Company Material Allowance: $ 194,500.00

The value of Company materials to be used by Contractor and included in the Total Base Bid.

Submitted and Accepted By:

Contractor Name:	BUNNOW BROS. INC.	(print, type or stamp company name)
Contractor Address:	6310 BEAR PARKWAY	
City, State, Zip:	CANANDAIGUA NY 14579	
Name of Officer:	KEVIN BUNNOW	
Title of Officer:	PRESIDENT	(print or type name and title)
Signature:		
Date:	12/1/09	

This bid document, if executed by National Fuel, creates a binding agreement between the parties and becomes a part of the Contract between the Contractor and National Fuel.

National Fuel Gas Distribution Corporation

Signature of Officer: _____

James D. Ramsdell, Sr. Vice President

Date: 12/10/09

National Fuel Gas Supply Corporation

Signature of Officer: _____

John R. Pustulka, Sr. Vice President

Date: 12/10/09

National Fuel Legal Dept. Review ~~BDC~~

Revised - 10/21/2009

BID #10CLR Submission

Contractor: Burrows Bros, Inc.

Service Cut-offs

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.500 30-10010	2" OR SMALLER STL LP AT MAIN, LAWN NOT ASSOCIATED WITH ANY OTHER SERVICE WORK AT SAME LOCATION	3	EA	X $445.00 / EA	= $1335
10CLR.501 30-10010	2" OR SMALLER STL LP AT MAIN, PAVEMENT (OTHER THAN STREET) NOT ASSOCIATED WITH ANY OTHER SERVICE WORK AT SAME LOCATION	2	EA	X $520.00 / EA	= $1040
10CLR.502 30-10010	2" OR SMALLER STL LP AT MAIN, STREET NOT ASSOCIATED WITH ANY OTHER SERVICE WORK AT SAME LOCATION	2	EA	X $685.00 / EA	= $1370

Subtotal Service Cut-offs: $3,745.00
(Enter This Value On Cover Page)

Contractor: Burrows Bros, Inc

Service Renewals

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.600 13-10019	5/8" - 1-1/8" SERVICE CONVERSION - 2 HOLE SERVICE	10	EA	X $750.00 / EA	= $ 7500
10CLR.601 13-10019	5/8" - 1-1/8" SERVICE CONVERSION - 1 HOLE SERVICE	10	EA	X $595.00 / EA	= $ 5950
10CLR.602 13-10019	5/8" - 1-1/8" SERVICE CONVERSION - NO HOLE SERVICE WITH REGULATOR	10	EA	X $128.00 / EA	= $ 1280
10CLR.603 13-10019	5/8" - 1-1/8" SERVICE TRANSFER - 2 HOLE SERVICE	5	EA	X $735.00 / EA	= $ 3675
10CLR.604 MAINLINE#	5/8" - 1-1/8" SERVICE TRANSFER - 1 HOLE SERVICE	5	EA	X $460.00 / EA	= $ 2300
10CLR.605 13-10019	5/8" - 1-1/8" SERVICE CONVERSION & TRANSFER - 2 HOLE SERVICE	30	EA	X $717.00 / EA	= $ 21510
10CLR.606 13-10019	5/8" - 1-1/8" SERVICE CONVERSION & TRANSFER - 1 HOLE SERVICE WITH REGULATOR	10	EA	X $565.00 / EA	= $ 5650
10CLR.607 13-10014	5/8" - 1-1/8" SHORT SIDE RENEWAL - 2 HOLE SERVICE	70	EA	X $670.00 / EA	= $ 46900
10CLR.608 13-10014	5/8" - 1-1/8" LONG SIDE RENEWAL - 3 HOLE SERVICE	10	EA	X $813.00 / EA	= $ 8130
10CLR.609	NEW ROAD CROSSING IN CONJUNCTION WITH A SHORT SIDE SERVICE	200	LF	X $16.00 / LF	= $ 3200
10CLR.610 13-10014	5/8" - 1-1/8" SHORT SIDE RENEWAL, DIRECT BURY SERVICE WITH SERVICE CUT-OFF IN SAME HOLE	60	EA	X $840.00 / EA	= $ 50400
10CLR.611	DOUBLE METER SETS INCLUDES COST OF DOUBLE METER BAR & ADDITIONAL SERVICE ENTRANCE	70	EA	X $110.00 / EA	= $ 7700
10CLR.612	ADDITIONAL METERS BEYOND DOUBLE INCLUDES EACH ADDITIONAL BAR & ADDITIONAL SERVICE ENTRANCE	50	EA	X $105.00 / EA	= $ 5250

BID #10CLR Submission

Contractor: Burrows Bros, Inc

10CLR.613	INSTALL HOUSELINE (RIGID PIPING) 1-20 LF	1,000	LF	X	$ 5.75	/ LF	=	$ 5750
10CLR.614	INSTALL HOUSELINE (RIGID PIPING) OVER 20 LF	1,500	LF	X	$ 5.75	/ LF	=	$ 8625
10CLR.615	RE-LIGHTS PER METER	300	EA	X	$ 40.00	/ EA	=	$ 12000
10CLR.616	2" PLT MAIN CONNECTION FOR RENEWAL ITEM	40	EA	X	$ 55.00	/ EA	=	$ 2200
10CLR.617	3" PLT MAIN CONNECTION FOR RENEWAL ITEM	10	EA	X	$ 60.00	/ EA	=	$ 600
10CLR.618	4" PLT MAIN CONNECTION FOR RENEWAL ITEM	40	EA	X	$ 65.00	/ EA	=	$ 2600
10CLR.619	6" PLT MAIN CONNECTION FOR RENEWAL ITEM	5	EA	X	$ 78.00	/ EA	=	$ 390
10CLR.620	8" PLT MAIN CONNECTION FOR RENEWAL ITEM	5	EA	X	$ 98.00	/ EA	=	$ 490
10CLR.621	10" PLT MAIN CONNECTION FOR RENEWAL ITEM (1-1/8" SERVICE)	0	EA	X	$ 150.00	/ EA	=	$ ∅
10CLR.622	12" PLT MAIN CONNECTION FOR RENEWAL ITEM (1-1/8" SERVICE)	0	EA	X	$ 150.00	/ EA	=	$ ∅
10CLR.623 13-10014	1-1/4" RENEWAL BY INSERTION	5	EA	X	$ 975.00	/ EA	=	$ 4875
10CLR.624 24-10017	2" RENEWAL BY INSERTION	10	EA	X	$ 1095.00	/ EA	=	$ 10950
10CLR.625 24-10017	3" RENEWAL BY INSERTION	0	EA	X	$ 1513.00	/ EA	=	$ ∅
10CLR.626	5/8" - 1-1/8" PUSH SERVICE TUBING	100	LF	X	$ 11.00	/ LF	=	$ 1100
10CLR.627	2" STL MAIN CONNECTION FOR RENEWAL ITEM	40	EA	X	$ 85.00	/ EA	=	$ 3400

BID #10CLR Submission

Contractor: Buckows Bros, Inc

10CLR.628	3" STL MAIN CONNECTION FOR RENEWAL ITEM	10	EA	X	$ 89.00	/ EA	=	$ 890
10CLR.629	4" STL MAIN CONNECTION FOR RENEWAL ITEM	40	EA	X	$ 89.00	/ EA	=	$ 3560
10CLR.630	6" STL MAIN CONNECTION FOR RENEWAL ITEM	5	EA	X	$ 96.00	/ EA	=	$ 480
10CLR.631	8" STL MAIN CONNECTION FOR RENEWAL ITEM	5	EA	X	$ 120.00	/ EA	=	$ 600
10CLR.632	10" STL MAIN CONNECTION FOR RENEWAL ITEM	0	EA	X	$ 270.00	/ EA	=	$ Ø
10CLR.633	12" STL MAIN CONNECTION FOR RENEWAL ITEM	0	EA	X	$ 270.00	/ EA	=	$ Ø

Subtotal Service Renewals: $ 227,955.00

(Enter This Value On Cover Page)

Contractor: Burrow Bros, Inc

Williamson Fittings

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.700	2" MP TEE TIE-IN, INCLUDES ONE EXTRA WELD	2	EA	X $1325.00 / EA	= $ 2650
10CLR.701	3" MP TEE TIE-IN, INCLUDES ONE EXTRA WELD	2	EA	X $1450.00 / EA	= $ 2900
10CLR.702	4" MP TEE TIE-IN, INCLUDES ONE EXTRA WELD	2	EA	X $1920.00 / EA	= $ 3840
10CLR.703	6" MP TEE TIE-IN, INCLUDES ONE EXTRA WELD	2	EA	X $2455.00 / EA	= $ 4910
10CLR.704	2" MP SHORTSTOP	2	EA	X $275.00 / EA	= $ 550
10CLR.705	3" MP SHORTSTOP	2	EA	X $305.00 / EA	= $ 610
10CLR.706	4" MP SHORTSTOP	2	EA	X $495.00 / EA	= $ 990
10CLR.707	6" MP SHORTSTOP	2	EA	X $755.00 / EA	= $ 1510

Subtotal Williamson Fittings: $ 17960.00

(Enter This Value On Cover Page)

Contractor: Burrows Bros, Inc

Meter Set Installations

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.800 20-10132	SD-2 STL RENEW	0	EA	X $640.00 / EA	= $ ϕ
10CLR.801 20-10132	SD-4 STL RENEW	0	EA	X $680.00 / EA	= $ ϕ
10CLR.802 20-10132	SD-8 STL RENEW	0	EA	X $960.00 / EA	= $ ϕ
10CLR.803 20-10132	SD-10 STL RENEW	0	EA	X $960.00 / EA	= $ ϕ
10CLR.804	SD-11 STL RENEW	0	EA	X $960.00 / EA	= $ ϕ
10CLR.805	SD-12 STL RENEW	0	EA	X $1280.00 EA	= $ ϕ
10CLR.806	SD-14 STL RENEW	0	EA	X $1280.00 EA	= $ ϕ
10CLR.807	SR-2 STL RENEW	0	EA	X $720.00 / EA	= $ ϕ
10CLR.808	1' X 1' X 3' 6" D RENEW CONCRETE BASE, INCLUDES SONOTUBE (ALL MATERIAL INCLUDED)	5	EA	X $225.00 / EA	= $ 1125
10CLR.809 20-10142	SD-2 STL NEW	0	EA	X $520.00 / EA	= $ ϕ
10CLR.810 20-10142	SD-4 STL NEW	0	EA	X $520.00 / EA	= $ ϕ
10CLR.811 20-10142	SD-8 STL NEW	5	EA	X $880.00 / EA	= $ 4400
10CLR.812 20-10142	SD-10 STL NEW	0	EA	X $880.00 / EA	= $ ϕ

Contractor: Burrows Bros, Inc

10CLR.813	SD-11 STL NEW	0	EA	X	$ 880.00	/ EA	=	$ ∅
10CLR.814	SD-12 STL NEW	0	EA	X	$ 1200.00	EA	=	$ ∅
10CLR.815	SD-14 STL NEW	0	EA	X	$ 1200.00	/ EA	=	$ ∅
10CLR.816	SR-2 STL NEW	2	EA	X	$ 700.00	/ EA	=	$ 1400
10CLR.817	1' X 1' 3' 6" D NEW CONCRETE BASE, INCLUDES SONOTUBE (ALL MATERIAL INCLUDED)	5	EA	X	$ 225.00	/ EA	=	$ 1125

Subtotal Meter Set Installations: $ 8,050.00

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Contractor: Burrows Bros, Inc

Leak Repairs

Item Number/ Location:	Description:	Quantity:	Unit:		Unit Price:		Item Sum
10CLR.900	CREW & EQUIPMENT - 2 PERSON STRAIGHT TIME	20	HR	X	$ 120.00 / HR	=	$ 2400
10CLR.901	CREW & EQUIPMENT - 2 PERSON OVERTIME	5	HR	X	$ 140.00 / HR	=	$ 700
10CLR.902	FOREMAN/LABORER/OPERATOR STRAIGHT TIME	0	HR	X	$ 34.00 / HR	=	$ ϕ
10CLR.903	FOREMAN/LABORER/OPERATOR OVERTIME	0	HR	X	$ 50.00 / HR	=	$ ϕ
10CLR.904	DUMP TRUCK WITH DRIVER (TANDEM)	0	HR	X	$ 6300 / HR	=	$ ϕ
10CLR.905	SINGLE AXLE DUMP (NO DRIVER)	0	HR	X	$ 21.00 / HR	=	$ ϕ
10CLR.906	CREW & EQUIPMENT - 2 PERSON TRAVEL TIME (IN EXCESS OF 1/2 HR)	0	HR	X	$ 80.00 / HR	=	$ ϕ
10CLR.907	CREW & EQUIPMENT - 3 PERSON TRAVEL TIME (IN EXCESS OF 1/2 HR)	0	HR	X	$ 100.00 / HR	=	$ ϕ

Subtotal Leak Repairs: $ 3,100.00
(Enter This Value On Cover Page)

BID #10CLR Submission

Contractor: Burrows Bros, Inc

Mainline Extensions

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.1000	2" PLT IN UNDEVELOPED AREAS, 50-500 LF MINIMUM 50'	250	LF	X $ 7.00 / LF	= $ 1750
10CLR.1001	2" PLT IN UNDEVELOPED AREAS, 501-1000 LF	1,000	LF	X $ 7.00 / LF	= $ 7000
10CLR.1002	2" PLT IN UNDEVELOPED AREAS, 1001-2000 LF	1,500	LF	X $ 6.75 / LF	= $ 10125
10CLR.1003	2" PLT IN UNDEVELOPED AREAS, 2001-3000 LF	2,500	LF	X $ 6.75 / LF	= $ 16875
10CLR.1004	2" PLT IN UNDEVELOPED AREAS, 3001-5000 LF	3,000	LF	X $ 6.75 / LF	= $ 20250
10CLR.1005	2" PLT IN UNDEVELOPED AREAS, OVER 5000 LF	0	LF	X $ 6.75 / LF	= $ ϕ
10CLR.1006	2" PLT INSERT INTO EXISTING CASING	200	LF	X $ 6.50 / LF	= $ 1300
10CLR.1007	3" PLT IN UNDEVELOPED AREAS, 50-500 LF MINIMUM 50'	250	LF	X $ 8.00 / LF	= $ 2000
10CLR.1008	3" PLT IN UNDEVELOPED AREAS, 501-1000 LF	500	LF	X $ 8.00 / LF	= $ 4000
10CLR.1009	3" PLT IN UNDEVELOPED AREAS, 1001-2000 LF	500	LF	X $ 7.75 / LF	= $ 3875
10CLR.1010	3" PLT IN UNDEVELOPED AREAS, 2001-3000 LF	500	LF	X $ 7.75 / LF	= $ 3875
10CLR.1011	3" PLT IN UNDEVELOPED AREAS, 3001-5000 LF	500	LF	X $ 7.75 / LF	= $ 3875
10CLR.1012	3" PLT IN UNDEVELOPED AREAS, OVER 5000 LF	0	LF	X $ 7.75 / LF	= $ ϕ

BID #10CLR Submission

Contractor: Burrow Bros, Inc.

10CLR.1013	3" PLT INSERT INTO EXISTING CASING	100	LF	X	$ 7.50	/ LF	=	$ 750
10CLR.1014	4" PLT IN UNDEVELOPED AREAS, 50-500 LF MINIMUM 50'	250	LF	X	$ 9.50	/ LF	=	$ 2375
10CLR.1015	4" PLT IN UNDEVELOPED AREAS, 501-1000 LF	500	LF	X	$ 9.50	/ LF	=	$ 4750
10CLR.1016	4" PLT IN UNDEVELOPED AREAS, 1001-2000 LF	500	LF	X	$ 9.25	/ LF	=	$ 4625
10CLR.1017	4" PLT IN UNDEVELOPED AREAS, 2001-3000 LF	500	LF	X	$ 9.25	/ LF	=	$ 4625
10CLR.1018	4" PLT IN UNDEVELOPED AREAS, 3001-5000 LF	500	LF	X	$ 9.00	/ LF	=	$ 4500
10CLR.1019	4" PLT IN UNDEVELOPED AREAS, OVER 5000 LF	0	LF	X	$ 9.00	/ LF	=	$ ∅
10CLR.1020	4" PLT INSERT INTO EXISTING CASING	50	LF	X	$ 9.00	/ LF	=	$ 450
10CLR.1021	6" PLT IN UNDEVELOPED AREAS, 50-500 LF MINIMUM 50'	50	LF	X	$ 14.00	/ LF	=	$ 700
10CLR.1022	6" PLT IN UNDEVELOPED AREAS, 501-1000 LF	250	LF	X	$ 14.00	/ LF	=	$ 3500
10CLR.1023	6" PLT IN UNDEVELOPED AREAS, 1001-2000 LF	250	LF	X	$ 14.00	/ LF	=	$ 3500
10CLR.1024	6" PLT IN UNDEVELOPED AREAS, OVER 2000 LF	250	LF	X	$ 14.00	/ LF	=	$ 3500
10CLR.1025	6" PLT INSERT INTO EXISTING CASING	25	LF	X	$ 18.00	/ LF	=	$ 450
10CLR.1026	8" PLT IN UNDEVELOPED AREAS, 50-500 LF MINIMUM 50'	0	LF	X	$ 14.75	/ LF	=	$ ∅
10CLR.1027	8" PLT IN UNDEVELOPED AREAS, 501-1000 LF	0	LF	X	$ 14.75	/ LF	=	$ ∅

Contractor: Burrows Bros, Inc.

10CLR.1028	8" PLT IN UNDEVELOPED AREAS, 1001-2000 LF	0	LF	X	$ 14.75	/ LF	=	$ ϕ
10CLR.1029	8" PLT IN UNDEVELOPED AREAS, OVER 2000 LF	0	LF	X	$ 14.75	/ LF	=	$ ϕ
10CLR.1030	2" PLT ROAD CROSSINGS (TRENCHLESS)	150	LF	X	$ 16.00	/ LF	=	$ 2400
10CLR.1031	3" PLT ROAD CROSSINGS (TRENCHLESS)	150	LF	X	$ 18.00	/ LF	=	$ 2700
10CLR.1032	4" PLT ROAD CROSSINGS (TRENCHLESS)	150	LF	X	$ 23.00	/ LF	=	$ 3450
10CLR.1033	6" PLT ROAD CROSSINGS (TRENCHLESS)	100	LF	X	$ 30.00	/ LF	=	$ 3000
10CLR.1034	8" PLT ROAD CROSSINGS (TRENCHLESS)	50	LF	X	$ 30.00	/ LF	=	$ 1500
10CLR.1035	ADDITIONAL BUTT FUSIONS 4" OR LESS	100	EA	X	$ 30.00	/ EA	=	$ 3000
10CLR.1036	ADDITIONAL BUTT FUSIONS 6" TO 8"	25	EA	X	$ 125.00	/ EA	=	$ 3125
10CLR.1040	2" PLT IN DEVELOPED AREAS, 50-500 LF MINIMUM 50'	250	LF	X	$ 8.25	/ LF	=	$ 2062.50
10CLR.1041	2" PLT IN DEVELOPED AREAS, 501-1000 LF	1,000	LF	X	$ 8.25	/ LF	=	$ 8250
10CLR.1042	2" PLT IN DEVELOPED AREAS, 1001-2000 LF	1,500	LF	X	$ 8.00	/ LF	=	$ 12000
10CLR.1043	2" PLT IN DEVELOPED AREAS, 2001-3000 LF	2,500	LF	X	$ 8.00	/ LF	=	$ 20000
10CLR.1044	2" PLT IN DEVELOPED AREAS, 3001-5000 LF	3,000	LF	X	$ 8.00	/ LF	=	$ 24000
10CLR.1045	2" PLT IN DEVELOPED AREAS, OVER 5000 LF	0	LF	X	$ 8.00	/ LF	=	$ ϕ

BID #10CLR Submission

Contractor: Burrows Bros, Inc

10CLR.1046	2" PLT INSERT INTO EXISTING CASING	0	LF	X	$ 6.50	/ LF	=	$ ø
10CLR.1047	3" PLT IN DEVELOPED AREAS, 50-500 LF MINIMUM 50'	250	LF	X	$ 8.75	/ LF	=	$ 2187.50
10CLR.1048	3" PLT IN DEVELOPED AREAS, 501-1000 LF	500	LF	X	$ 8.75	/ LF	=	$ 4375
10CLR.1049	3" PLT IN DEVELOPED AREAS, 1001-2000 LF	500	LF	X	$ 8.50	/ LF	=	$ 4250
10CLR.1050	3" PLT IN DEVELOPED AREAS, 2001-3000 LF	500	LF	X	$ 8.50	/ LF	=	$ 4250
10CLR.1051	3" PLT IN DEVELOPED AREAS, 3001-5000 LF	500	LF	X	$ 8.50	/ LF	=	$ 4250
10CLR.1052	3" PLT IN DEVELOPED AREAS, OVER 5000 LF	0	LF	X	$ 8.50	/ LF	=	$ ø
10CLR.1053	3" PLT INSERT INTO EXISTING CASING	0	LF	X	$ 7.50	/ LF	=	$ ø
10CLR.1054	4" PLT IN DEVELOPED AREAS, 50-500 LF MINIMUM 50'	250	LF	X	$ 9.75	/ LF	=	$ 2437.50
10CLR.1055	4" PLT IN DEVELOPED AREAS, 501-1000 LF	500	LF	X	$ 9.75	/ LF	=	$ 4875
10CLR.1056	4" PLT IN DEVELOPED AREAS, 1001-2000 LF	500	LF	X	$ 9.50	/ LF	=	$ 4750
10CLR.1057	4" PLT IN DEVELOPED AREAS, 2001-3000 LF	500	LF	X	$ 9.50	/ LF	=	$ 4750
10CLR.1058	4" PLT IN DEVELOPED AREAS, 3001-5000 LF	500	LF	X	$ 9.25	/ LF	=	$ 4625
10CLR.1059	4" PLT IN DEVELOPED AREAS, OVER 5000 LF	0	LF	X	$ 9.25	/ LF	=	$ ø
10CLR.1060	4" PLT INSERT INTO EXISTING CASING	0	LF	X	$ 9.00	/ LF	=	$ ø

Contractor: Burrow Bros, Inc.

10CLR.1061	6" PLT IN DEVELOPED AREAS, 50-500 LF MINIMUM 50'	50	LF	X	$ 14.25	/ LF	=	$ 712.50
10CLR.1062	6" PLT IN DEVELOPED AREAS, 501-1000 LF	250	LF	X	$ 14.25	/ LF	=	$ 3562.50
10CLR.1063	6" PLT IN DEVELOPED AREAS, 1001-2000 LF	250	LF	X	$ 14.25	/ LF	=	$ 3562.50
10CLR.1064	6" PLT IN DEVELOPED AREAS, OVER 2000 LF	250	LF	X	$ 14.25	/ LF	=	$ 3562.50
10CLR.1065	6" PLT INSERT INTO EXISTING CASING	0	LF	X	$ 18.00	/ LF	=	$ ϕ
10CLR.1066	8" PLT IN DEVELOPED AREAS, 50-500 LF MINIMUM 50'	0	LF	X	$ 15.00	/ LF	=	$ ϕ
10CLR.1067	8" PLT IN DEVELOPED AREAS, 501-1000 LF	0	LF	X	$ 15.00	/ LF	=	$ ϕ
10CLR.1068	8" PLT IN DEVELOPED AREAS, 1001-2000 LF	0	LF	X	$ 15.00	/ LF	=	$ ϕ
10CLR.1069	8" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X	$ 15.00	/ LF	=	$ ϕ
10CLR.1070	2" PLT ROAD CROSSINGS (TRENCHLESS)	150	LF	X	$ 16.00	/ LF	=	$ 2400
10CLR.1071	3" PLT ROAD CROSSINGS (TRENCHLESS)	150	LF	X	$ 18.00	/ LF	=	$ 2700
10CLR.1072	4" PLT ROAD CROSSINGS (TRENCHLESS)	150	LF	X	$ 23.00	/ LF	=	$ 3450
10CLR.1073	6" PLT ROAD CROSSINGS (TRENCHLESS)	100	LF	X	$ 30.00	/ LF	=	$ 3000
10CLR.1074	8" PLT ROAD CROSSINGS (TRENCHLESS)	50	LF	X	$ 30.00	/ LF	=	$ 1500
10CLR.1075	ADDITIONAL BUTT FUSIONS 4" OR LESS	100	EA	X	$ 30.00	/ EA	=	$ 3000

Contractor: Burrows Bros, Inc.

10CLR.1076	ADDITIONAL BUTT FUSIONS 6" TO 8"	25	EA	X $	125.00	/ EA	= $ 3125

Subtotal Mainline Extensions: (Enter This Value On Cover Page)	$265,462.50

Contractor: Burrows Bros, Inc

Mainline Direct Bury (Developed Areas)

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.1100	1-1/4" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	0	LF	X $ 8.25 / LF	= $ ϕ
10CLR.1101	1-1/4" PLT IN DEVELOPED AREAS, 501 -1000 LF	0	LF	X $ 8.25 / LF	= $ ϕ
10CLR.1102	1-1/4" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	0	LF	X $ 8.00 / LF	= $ ϕ
10CLR.1103	1-1/4" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X $ 8.00 / LF	= $ ϕ
10CLR.1104	2" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	250	LF	X $ 8.25 / LF	= $ 2062.50
10CLR.1105	2" PLT IN DEVELOPED AREAS, 501 - 1000 LF	250	LF	X $ 8.25 / LF	= $ 2062.50
10CLR.1106	2" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	500	LF	X $ 8.00 / LF	= $ 4000
10CLR.1107	2" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X $ 8.00 / LF	= $ ϕ
10CLR.1108	3" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	250	LF	X $ 8.75 / LF	= $ 2187.50
10CLR.1109	3" PLT IN DEVELOPED AREAS, 501 - 1000 LF	250	LF	X $ 8.75 / LF	= $ 2187.50
10CLR.1110	3" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	500	LF	X $ 8.50 / LF	= $ 4250
10CLR.1111	3" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X $ 8.50 / LF	= $ ϕ
10CLR.1112	4" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	250	LF	X $ 9.75 / LF	= $ 2437.50

Contractor: Burrows Bros., Inc

10CLR.1113	4" PLT IN DEVELOPED AREAS, 501 - 1000 LF	250	LF	X	$ 9.75	/ LF	=	$ 2437.50
10CLR.1114	4" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	500	LF	X	$ 9.50	/ LF	=	$ 4750
10CLR.1115	4" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X	$ 9.50	/ LF	=	$ ϕ
10CLR.1116	6" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	200	LF	X	$ 14.25	/ LF	=	$ 2850
10CLR.1117	6" PLT IN DEVELOPED AREAS, 501 - 1000 LF	0	LF	X	$ 14.25	/ LF	=	$ ϕ
10CLR.1118	6" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	0	LF	X	$ 14.25	/ LF	=	$ ϕ
10CLR.1119	6" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X	$ 14.25	/ LF	=	$ ϕ
10CLR.1120	8" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	200	LF	X	$ 15.00	/ LF	=	$ 3000
10CLR.1121	8" PLT IN DEVELOPED AREAS, 501 - 1000 LF	0	LF	X	$ 15.00	/ LF	=	$ ϕ
10CLR.1122	8" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	0	LF	X	$ 15.00	/ LF	=	$ ϕ
10CLR.1123	8" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X	$ 15.00	/ LF	=	$ ϕ
10CLR.1124	2" PLT PUSHING PIPE - OTHER THAN ROADS	100	LF	X	$ 16.00	/ LF	=	$ 1600
10CLR.1125	2" PLT ROAD CROSSING (TRENCHLESS)	100	LF	X	$ 16.00	/ LF	=	$ 1600
10CLR.1126	3" PLT PUSHING PIPE - OTHER THAN ROADS	100	LF	X	$ 18.00	/ LF	=	$ 1800
10CLR.1127	3" PLT ROAD CROSSING (TRENCHLESS)	100	LF	X	$ 18.00	/ LF	=	$ 1800

BID #10CLR Submission

Contractor: Burrows Bros, Inc.

10CLR.1128	4" PLT PUSHING PIPE - OTHER THAN ROADS	100	LF	X	$ 23.00	/ LF	=	$ 2300
10CLR.1129	4" PLT ROAD CROSSING (TRENCHLESS)	100	LF	X	$ 23.00	/ LF	=	$ 2300
10CLR.1130	6" PLT PUSHING PIPE - OTHER THAN ROADS	50	LF	X	$ 30.00	/ LF	=	$ 1500
10CLR.1131	6" PLT ROAD CROSSING (TRENCHLESS)	50	LF	X	$ 30.00	/ LF	=	$ 1500
10CLR.1132	8" PLT PUSHING PIPE - OTHER THAN ROADS	0	LF	X	$ 30.00	/ LF	=	$ Ø
10CLR.1133	8" PLT ROAD CROSSING (TRENCHLESS)	0	LF	X	$ 30.00	/ LF	=	$ Ø
10CLR.1134	10" PLT IN DEVELOPED AREAS, 50 - 500 LF	0	LF	X	$ 18.00	/ LF	=	$ Ø
10CLR.1135	10" PLT IN DEVELOPED AREAS, 501 - 1000 LF	0	LF	X	$ 18.00	/ LF	=	$ Ø
10CLR.1136	10" PLT PUSHING PIPE - OTHER THEN ROADS	0	LF	X	$ 35.00	/ LF	=	$ Ø
10CLR.1137	10" PLT ROAD CROSSING (TRENCHLESS)	0	LF	X	$ 35.00	/ LF	=	$ Ø
10CLR.1138	ADDITIONAL BUTT FUSIONS 4" OR LESS	100	EA	X	$ 30.00	/ EA	=	$ 3000
10CLR.1139	ADDITIONAL BUTT FUSIONS 6" TO 8"	25	EA	X	$ 125.00	/ EA	=	$ 3125

Subtotal Mainline Direct Bury (Developed Ar $ 52,750.00

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Contractor: Burrows Bros, Inc.

Mainline Insertion (Developed Areas)

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.1200	1-1/4" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	200	LF	X $10.50 / LF	= $2100
10CLR.1201	1-1/4" PLT IN DEVELOPED AREAS, 501 - 1000 LF	500	LF	X $10.00 / LF	= $5000
10CLR.1202	1-1/4" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	0	LF	X $9.50 / LF	= $Ø
10CLR.1203	1-1/4" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X $9.50 / LF	= $Ø
10CLR.1204	1-1/4" TEMPORARY CUT-OFF	0	EA	X $455.00 / EA	= $Ø
10CLR.1205	1-1/4" CUT WINDOW	0	EA	X $125.00 / EA	= $Ø
10CLR.1206	2" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	800	LF	X $10.50 / LF	= $8400
10CLR.1207	2" PLT IN DEVELOPED AREAS, 501 - 1000 LF	500	LF	X $10.00 / LF	= $5000
10CLR.1208	2" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	1,500	LF	X $9.50 / LF	= $14250
10CLR.1209	2" PLT IN DEVELOPED AREAS, OVER 2000 LF	200	LF	X $9.50 / LF	= $1900
10CLR.1210	2" TEMPORARY CUT-OFF	0	EA	X $455.00 / EA	= $Ø
10CLR.1211	2" CUT WINDOW	0	EA	X $125.00 / EA	= $Ø
10CLR.1212	3" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	100	LF	X $11.75 / LF	= $1175

Contractor: Burrow Bros., Inc

10CLR.1213	3" PLT IN DEVELOPED AREAS, 501 - 1000 LF	250	LF	X	$ 11.75	/ LF	=	$ 2937.50
10CLR.1214	3" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	500	LF	X	$ 11.50	/ LF	=	$ 5750
10CLR.1215	3" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X	$ 11.50	/ LF	=	$ ∅
10CLR.1216	3" TEMPORARY CUT-OFF	5	EA	X	$ 525.00	/ EA	=	$ 2625
10CLR.1217	3" CUT WINDOW	25	EA	X	$ 160.00	/ EA	=	$ 4000
10CLR.1218	4" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	100	LF	X	$ 12.50	/ LF	=	$ 1250
10CLR.1219	4" PLT IN DEVELOPED AREAS, 501 - 1000 LF	250	LF	X	$ 12.50	/ LF	=	$ 3125
10CLR.1220	4" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	500	LF	X	$ 12.25	/ LF	=	$ 6125
10CLR.1221	4" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X	$ 12.25	/ LF	=	$ ∅
10CLR.1222	4" TEMPORARY CUT-OFF	5	EA	X	$ 535.00	/ EA	=	$ 2775
10CLR.1223	4" CUT WINDOW	50	EA	X	$ 190.00	/ EA	=	$ 9500
10CLR.1224	6" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	0	LF	X	$ 16.00	/ LF	=	$ ∅
10CLR.1225	6" PLT IN DEVELOPED AREAS, 501 - 1000 LF	0	LF	X	$ 16.00	/ LF	=	$ ∅
10CLR.1226	6" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	0	LF	X	$ 16.00	/ LF	=	$ ∅
10CLR.1227	6" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X	$ 16.00	/ LF	=	$ ∅

Contractor: Burrows Bros., Inc

10CLR.1228	6" TEMPORARY CUT-OFF	0	EA	X	$675.00	/ EA	=	$ Ø
10CLR.1229	6" CUT WINDOW	10	EA	X	$275.00	/ EA	=	$ 2750
10CLR.1230	8" PLT IN DEVELOPED AREAS, 50 - 500 LF MINIMUM 50'	0	LF	X	$17.50	/ LF	=	$ Ø
10CLR.1231	8" PLT IN DEVELOPED AREAS, 501 - 1000 LF	0	LF	X	$17.50	/ LF	=	$ Ø
10CLR.1232	8" PLT IN DEVELOPED AREAS, 1001 - 2000 LF	0	LF	X	$17.50	/ LF	=	$ Ø
10CLR.1233	8" PLT IN DEVELOPED AREAS, OVER 2000 LF	0	LF	X	$17.00	/ LF	=	$ Ø
10CLR.1234	8" TEMPORARY CUT-OFF	0	EA	X	$725.00	/ EA	=	$ Ø
10CLR.1235	8" CUT WINDOW	10	EA	X	$350.00	/ EA	=	$ 3500
10CLR.1236	10" PLT IN DEVELOPED AREAS, 50 - 500 LF	0	LF	X	$24.00	/ LF	=	$ Ø
10CLR.1237	10" PLT IN DEVELOPED AREAS, 501 - 1000 LF	0	LF	X	$24.00	/ LF	=	$ Ø
10CLR.1238	10" TEMPORARY CUT-OFF	0	EA	X	$24.00	/ EA	=	$ Ø
10CLR.1239	10" - 12" CUT WINDOW	0	EA	X	$24.00	/ EA	=	$ Ø

Subtotal Mainline Insertion (Developed Area $ 82,162.50

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Contractor: Burrows Bros, Inc

Miscellaneous Work (Mains)

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.2000	2" MAIN VALVE & BOX	5	EA	X $ 325.00 / EA	= $ 1625
10CLR.2001	3" MAIN VALVE & BOX	5	EA	X $ 430.00 / EA	= $ 2150
10CLR.2002	4" MAIN VALVE & BOX	5	EA	X $ 565.00 / EA	= $ 2825
10CLR.2003	6" MAIN VALVE & BOX	0	EA	X $ 1205.00 / EA	= $ ϕ
10CLR.2004	8" MAIN VALVE & BOX	0	EA	X $ 1625.00 / EA	= $ ϕ
10CLR.2005	CREW & EQUIPMENT (2 PERSON)	50	HR	X $ 120.00 / HR	= $ 6000
10CLR.2006	CREW & EQUIPMENT (3 PERSON)	50	HR	X $ 135.00 / HR	= $ 6750
10CLR.2007	FITTER TIME (FOREMAN/OPERATOR/LABORER)	50	HR	X $ 34.00 / HR	= $ 1700
10CLR.2008	FITTER WITH VEHICLE & TOOLS	20	HR	X $ 50.00 / HR	= $ 1000
10CLR.2009	WELDER (WITH VEHICLE, WELDING MACHINE, ROD & TOOLS)	0	HR	X $ 140.00 / HR	= $ ϕ
10CLR.2010	PIPE PADDING	150	CY	X $ 25.00 / CY	= $ 3750
10CLR.2011	SELECT FILL	400	CY	X $ 29.00 / CY	= $ 11600

Contractor: Burrows Bros, Inc

10CLR.2012	PERFORMANCE BOND COST (PER $1000 OF WORK)	0	K	X	$ 35.00	/ K	=	$ 0

Subtotal Miscellaneous Work (Mains): (Enter This Value On Cover Page)	$ 37,400.00

Contractor: Burrows Bros, Inc.

Miscellaneous Work (Services)

Item Number/ Location:	Description:	Quantity:	Unit:		Unit Price:			Item Sum
10CLR.2100	2" SERVICE VALVE & BOX	5	EA	X	$ 325.00	/ EA	=	$ 1625
10CLR.2101	3" SERVICE VALVE & BOX	0	EA	X	$ 430.00	/ EA	=	$ ϕ
10CLR.2102	4" SERVICE VALVE & BOX	0	EA	X	$ 565.00	/ EA	=	$ ϕ
10CLR.2103	CREW & EQUIPMENT (2 PERSON)	50	HR	X	$ 120.00	/ HR	=	$ 6000
10CLR.2104	CREW & EQUIPMENT (3 PERSON)	50	HR	X	$ 135.00	/ HR	=	$ 6750
10CLR.2105	FITTER TIME (FOREMAN/OPERATOR/LABORER)	100	HR	X	$ 34.00	/ HR	=	$ 3400
10CLR.2106	FITTER WITH VEHICLE & TOOLS	20	HR	X	$ 50.00	/ HR	=	$ 1000
10CLR.2107	WELDER (WITH VEHICLE, WELDING MACHINE, ROD & TOOLS)	0	HR	X	$ 140.00	/ HR	=	$ ϕ
10CLR.2108	PIPE PADDING	100	CY	X	$ 25.00	/ CY	=	$ 2500
10CLR.2109	SELECT FILL	200	CY	X	$ 29.00	/ CY	=	$ 5800

Subtotal Miscellaneous Work (Services): $ 27,095.00
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Contractor: Burrows Bros, Inc

Tie-Ins - LP STL

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.3000	2" STL LP TIE-IN	0	EA	X $ 810.00 / EA	= $ ϕ
10CLR.3001	3" STL LP TIE-IN	0	EA	X $ 810.00 / EA	= $ ϕ
10CLR.3002	4" STL LP TIE-IN	5	EA	X $ 945.00 / EA	= $ 4725
10CLR.3003	6" STL LP TIE-IN	5	EA	X $ 1235.00 / EA	= $ 6175
10CLR.3004	8" STL LP TIE-IN	0	EA	X $ 1235.00 / EA	= $ ϕ
10CLR.3005	12" STL LP TIE-IN	0	EA	X $ 1810.00 / EA	= $ ϕ

Subtotal Tie-Ins - LP STL: $ 10,900.00

(Enter This Value On Cover Page)

Contractor: Burrows Bros, Inc.

Tie-Ins - LP & MP PLT

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.3100	1-1/4" PLT LP & MP TIE-IN, ELECTROFUSION	2	EA	X $412.00 / EA	= $824
10CLR.3101	1-14" PLT LP & MP TIE-IN BY 1-1/4" X 1-1/4" X 1-1/4" TEE, ELECTROFUSION	0	EA	X $551.00 / EA	= $0
10CLR.3102	2" PLT LP & MP TIE-IN, ELECTROFUSION	30	EA	X $413.00 / EA	= $12390
10CLR.3103	2" PLT LP & MP TIE-IN BY 2" X 2" X 2" TEE, ELECTROFUSION	2	EA	X $553.00 / EA	= $1106
10CLR.3104	3" PLT LP & MP TIE-IN, ELECTROFUSION	10	EA	X $421.00 / EA	= $4210
10CLR.3105	3" PLT LP & MP TIE-IN BY 3" X 3" X 3" TEE, ELECTROFUSION	2	EA	X $564.00 / EA	= $1128
10CLR.3106	4" PLT LP & MP TIE-IN, ELECTROFUSION	10	EA	X $563.00 / EA	= $5630
10CLR.3107	4" PLT LP & MP TIE-IN BY 4" X 4" X 4" TEE, ELECTROFUSION	2	EA	X $713.00 / EA	= $1426
10CLR.3108	6" PLT LP & MP TIE-IN, ELECTROFUSION	3	EA	X $595.00 / EA	= $1785
10CLR.3109	6" PLT LP & MP TIE-IN BY 6" X 6" X 6" TEE, ELECTROFUSION	0	EA	X $767.00 / EA	= $0
10CLR.3110	8" PLT LP & MP TIE-IN, ELECTROFUSION	0	EA	X $764.00 / EA	= $0
10CLR.3111	8" PLT LP & MP TIE-IN BY 8" X 8" X 8" TEE, ELECTROFUSION	0	EA	X $993.00 / EA	= $0
10CLR.3112	2" PLT LP & MP TIE-IN, HIGH VOLUME PUNCH TEE ON 2" PLT MAIN	8	EA	X $437.00 / EA	= $3496

Contractor: Burrows Bros, Inc

10CLR.3113	2" PLT LP & MP TIE-IN, HIGH VOLUME PUNCH TEE ON 3" PLT MAIN	4	EA	X	$ 441.00	/ EA	=	$ 1764
10CLR.3114	2" PLT LP & MP TIE-IN, HIGH VOLUME PUNCH TEE ON 4" PLT MAIN	4	EA	X	$ 445.00	/ EA	=	$ 1780
10CLR.3115	2" PLT LP & MP TIE-IN, HIGH VOLUME PUNCH TEE ON 6" PLT MAIN	2	EA	X	$ 458.00	/ EA	=	$ 916
10CLR.3116	2" PLT LP & MP TIE-IN, HIGH VOLUME PUNCH TEE ON 8" PLT MAIN	2	EA	X	$ 450.00	/ EA	=	$ 900

Subtotal Tie-Ins - LP & MP PLT: $ 37,355.00

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Contractor: Burrows Bros, Inc

Permanent Cut-offs - LP STL

Item Number/ Location:	Description:	Quantity:	Unit:		Unit Price:		Item Sum
10CLR.4000	2" & SMALLER STL LP PERMANENT CUT-OFF	5	EA	X	$ 722.00 / EA	=	$ 3610
10CLR.4001	3" STL LP PERMANENT CUT-OFF	5	EA	X	$ 773.00 / EA	=	$ 3865
10CLR.4002	4" STL LP PERMANENT CUT-OFF	5	EA	X	$ 997.00 / EA	=	$ 4985
10CLR.4003	6" STL LP PERMANENT CUT-OFF	2	EA	X	$ 1115.00 / EA	=	$ 2230
10CLR.4004	8" STL LP PERMANENT CUT-OFF	2	EA	X	$ 1321.00 / EA	=	$ 2642
10CLR.4005	12" STL LP PERMANENT CUT-OFF	0	EA	X	$ 1590.00 / EA	=	$ Ø

Subtotal Permanent Cut-offs - LP STL: $ 17,332.00

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Contractor: Burrows Bros., Inc.

Permanent Cut-offs - LP & MP PLT

Item Number/ Location:	Description:	Quantity:	Unit:		Unit Price:			Item Sum
10CLR.4100	2" & SMALLER PLT LP & MP PERMANENT CUT-OFF	5	EA	X	$ 417.00 /	EA	=	$ 2085
10CLR.4101	3" PLT LP & MP PERMANENT CUT-OFF	2	EA	X	$ 433.00 /	EA	=	$ 866
10CLR.4102	4" PLT LP & MP PERMANENT CUT-OFF	2	EA	X	$ 441.00 /	EA	=	$ 882
10CLR.4103	6" PLT LP & MP PERMANENT CUT-OFF	2	EA	X	$ 640.00 /	EA	=	$ 1280
10CLR.4104	8" PLT LP & MP PERMANENT CUT-OFF	0	EA	X	$ 675.00 /	EA	=	$ ϕ

Subtotal Permanent Cut-offs - LP & MP PLT: $ 5,113.00

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Contractor: Burrows Bros, Inc

Permanent Cut-offs - MP STL

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.4200	2" STL MP PERMANENT CUT-OFF	2	EA	X $857.00 / EA	= $1714
10CLR.4201	3" STL MP PERMANENT CUT-OFF	2	EA	X $908.00 / EA	= $1816
10CLR.4202	4" STL MP PERMANENT CUT-OFF	2	EA	X $1132.00 / EA	= $2264
10CLR.4203	6" STL MP PERMANENT CUT-OFF	0	EA	X $1250.00 / EA	= $ ϕ
10CLR.4204	8" STL MP PERMANENT CUT-OFF	0	EA	X $1456.00 / EA	= $ ϕ

Subtotal Permanent Cut-offs - MP STL: $5,794.00
(Enter This Value On Cover Page)

Contractor: Burrows Bros, Inc

New Services

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.5000 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 2" PLT MAIN	200	EA	X $ 425.00 / EA	= $ 85000
10CLR.5001 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 3" PLT MAIN	40	EA	X $ 440.00 / EA	= $ 17600
10CLR.5002 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 4" PLT MAIN	30	EA	X $ 444.00 / EA	= $ 13320
10CLR.5003 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 6" PLT MAIN	10	EA	X $ 462.00 / EA	= $ 4620
10CLR.5004 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 8" PLT MAIN	5	EA	X $ 480.00 / EA	= $ 2400
10CLR.5005 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 2" STL MAIN	10	EA	X $ 492.00 / EA	= $ 4920
10CLR.5006 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 3" STL MAIN	5	EA	X $ 507.00 / EA	= $ 2535
10CLR.5007 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 4" STL MAIN	5	EA	X $ 511.00 / EA	= $ 2555
10CLR.5008 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 6" STL MAIN	0	EA	X $ 567.00 / EA	= $ ϕ
10CLR.5009 13-10011	5/8" - 1-1/8" PLT MP SERVICE TAP & RISER ON 8" STL MAIN	0	EA	X $ 615.00 / EA	= $ ϕ
10CLR.5010 13-10011	5/8" -1-1/8" PLT MP SERVICE TAP & RISER ON 12" STL MAIN	0	EA	X $ 790.00 / EA	= $ ϕ
10CLR.5011 13-10011	5/8" - 1-1/8" PLT MP TRENCHING & BACKFILL	2,000	LF	X $ 6.75 / LF	= $ 13500
10CLR.5012 13-10011	5/8" - 1-1/8" PLT MP ROAD CROSSING FOR NEW SERVICES (NO PERMANENT RESTORATION)	2,000	LF	X $ 16.00 / LF	= $ 32000

Contractor: Burrows Bros, Inc.

10CLR.5013 13-10011	5/8" - 1-1/8" PLT MP INSTALL TUBING THROUGH EXISTING CONDUIT	150	LF	X	$ 8.00	/ LF	=	$ 1200
10CLR.5014 13-10011	1-1/4" PLT MP SERVICE TAP & RISER ON ANY MAIN	0	EA	X	$ 775.00	/ EA	=	$ ϕ
10CLR.5018 13-10011	1-1/4" PLT MP TRENCHING & BACKFILL	1,000	LF	X	$ 6.75	/ LF	=	$ 6750
10CLR.5019 13-10011	1-1/4" PLT MP ROAD CROSSING FOR NEW SERVICES	50	LF	X	$ 16.00	/ LF	=	$ 800
10CLR.5020 13-10011	1-1/4" PLT MP INSTALL TUBING THROUGH EXISTING CONDUIT	100	LF	X	$ 8.00	/ LF	=	$ 800
10CLR.5021 24-10012	2" PLT MP SERVICE TAP & RISER	5	EA	X	$ 750.00	/ EA	=	$ 3750
10CLR.5022 24-10012	2" PLT MP TRENCHING & BACKFILL	1,000	LF	X	$ 7.25	/ LF	=	$ 7250
10CLR.5023 24-10012	2" PLT MP ROAD CROSSING FOR NEW SERVICES	50	LF	X	$ 16.50	/ LF	=	$ 825
10CLR.5024 24-10012	2" PLT MP INSTALL TUBING THROUGH EXISTING CONDUIT	100	LF	X	$ 10.00	/ LF	=	$ 1000
10CLR.5025 24-10012	3" PLT MP SERVICE TAP & RISER	5	EA	X	$ 975.00	/ EA	=	$ 4875
10CLR.5026 24-10012	3" PLT MP TRENCHING & BACKFILL	500	LF	X	$ 8.50	/ LF	=	$ 4250
10CLR.5027 24-10012	3" PLT MP ROAD CROSSING FOR NEW SERVICES	50	LF	X	$ 19.00	/ LF	=	$ 950
10CLR.5028 24-10012	3" PLT MP INSTALL TUBING THROUGH EXISTING CONDUIT	100	LF	X	$ 12.00	/ LF	=	$ 1200
10CLR.5029 24-10012	2" RISER ON 1-1/8" SERVICE	10	EA	X	$ 310.00	/ EA	=	$ 3100
10CLR.5030 13-10011	5/8" - 1-1/8" INSTALL SERVICE IN CUSTOMER DUG TRENCH (INCLUDES BACKFILL)	1,000	LF	X	$ 4.50	/ LF	=	$ 4500

BID #10CLR Submission

Contractor: Burrows Bros, Inc.

10CLR.5031 13-10011	1-1/4" INSTALL SERVICE IN CUSTOMER DUG TRENCH (INCLUDES BACKFILL)	200	LF	X	$ 4.60	/ LF	=	$ 920
10CLR.5032 24-10012	2" INSTALL SERVICE IN CUSTOMER DUG TRENCH (INCLUDES BACKFILL)	100	LF	X	$ 6.75	/ LF	=	$ 675
10CLR.5033 24-10012	3" INSTALL SERVICE IN CUSTOMER DUG TRENCH (INCLUDES BACKFILL)	100	EA	X	$ 7.35	/ EA	=	$ 735

Subtotal New Services: $222,030.00
(Enter This Value On Cover Page)

Contractor: Burrows Bros, Inc

Directional Drilling

Item Number/ Location:	Description:	Quantity:	Unit:	Unit Price:	Item Sum
10CLR.6000	DRILLING CREW - LABOR & EQUIPMENT	10	HR	X $ 200.00 / HR	= $ 2000
10CLR.6001	2" OR LESS DRILL & INSTALL PIPE MINIMUM 50 LF	50	LF	X $ 13.00 / LF	= $ 650
10CLR.6002	2" OR LESS DRILL & INSTALL PIPE 51 - 100 LF	100	LF	X $ 13.00 / LF	= $ 1300
10CLR.6003	2" OR LESS DRILL & INSTALL PIPE 101 - 200 LF	100	LF	X $ 11.50 / LF	= $ 1150
10CLR.6004	2" OR LESS DRILL & INSTALL PIPE 201 - 500 LF	100	LF	X $ 11.00 / LF	= $ 1100
10CLR.6005	2" OR LESS DRILL & INSTALL PIPE 501 - 1000 LF	500	LF	X $ 9.80 / LF	= $ 4900
10CLR.6006	3" OR 4" DRILL & INSTALL PIPE MINIMUM 50 LF	50	LF	X $ 16.00 / LF	= $ 800
10CLR.6007	3" OR 4" DRILL & INSTALL PIPE 51 - 100 LF	100	LF	X $ 16.00 / LF	= $ 1600
10CLR.6008	3" OR 4" DRILL & INSTALL PIPE 101 - 200 LF	100	LF	X $ 14.50 / LF	= $ 1450
10CLR.6009	3" OR 4" DRILL & INSTALL PIPE 201 - 500 LF	100	LF	X $ 13.00 / LF	= $ 1300
10CLR.6010	3" OR 4" DRILL & INSTALL PIPE 501 - 1000 LF	500	LF	X $ 11.50 / LF	= $ 5750

BID #10CLR Submission

Contractor: Buckows Bros, Inc

10CLR.6011	6" DRILL & INSTALL PIPE MINIMUM 50 LF	50	LF	X	$ 25.00	/ LF	=	$ 1250
10CLR.6012	6" DRILL & INSTALL PIPE 51 - 100 LF	100	LF	X	$ 24.00	/ LF	=	$ 2400
10CLR.6013	6" DRILL & INSTALL PIPE 101 - 200 LF	0	LF	X	$ 22.00	/ LF	=	$ ϕ
10CLR.6014	6" DRILL & INSTALL PIPE 201 - 500 LF	0	LF	X	$ 22.00	/ LF	=	$ ϕ
10CLR.6015	6" DRILL & INSTALL PIPE 501 - 1000 LF	500	LF	X	$ 21.00	/ LF	=	$ 10500
10CLR.6016	8" DRILL & INSTALL PIPE MINIMUM 50 F	50	LF	X	$ 29.00	/ LF	=	$ 1450
10CLR.6017	8" DRILL & INSTALL PIPE 51 - 100 LF	100	LF	X	$ 27.00	/ LF	=	$ 2700
10CLR.6018	8" DRILL & INSTALL PIPE 101 - 200 LF	0	LF	X	$ 27.00	/ LF	=	$ ϕ
10CLR.6019	8" DRILL & INSTALL PIPE 201 - 500 LF	500	LF	X	$ 25.00	/ LF	=	$ 12500
10CLR.6020	SPOT HOLES IN ASPHALT	10	EA	X	$ 210.00	/ EA	=	$ 2100
10CLR.6021	SPOT HOLES IN CONCRETE	10	EA	X	$ 210.00	/ EA	=	$ 2100
10CLR.6022	SPOT HOLES IN EARTH	20	EA	X	$ 90.00	/ EA	=	$ 1800

Subtotal Directional Drilling: $ 58,800.00
(Enter This Value On Cover Page)

ST-124 (7/97)

New York State Department of Taxation and Finance

New York State and Local Sales and Use Tax

Certificate of Capital Improvement

After this certificate is completed and signed by both the customer and the contractor performing the capital improvement, it must be kept by the contractor.

Read this form completely before making any entries.

This certificate may not be used to purchase building materials.

Name of **customer** (print or type)			Name of **contractor** (print or type)		
National Fuel Gas Distribution Corporation			*Burrows Bros., Inc.*		
Street address			Street address		
6363 Main Street			*6360 Dean Parkway*		
City	State	ZIP code	City	State	ZIP code
Williamsville	*NY*	*14221*	*Ontario*	*NY*	*14519*
Certificate of Authority number (if any)			Certificate of Authority number (if any)		
13-2759381 C					

To be completed by the customer:

Describe capital improvement to be performed:

Pipeline construction

Project Name			
Blanket Services and Mainline Extensions			
Street address (where the work is to be performed)	City	State	ZIP code

I certify that:

___ I am the ☒ owner, ☐ tenant, of the real property identified on this form, **and**

___ The work described above will result in a capital improvement to the real property within the guidelines listed on the back of this form, **and**

___ This contract (check one) ☐ includes, ☒ does **not** include, the sale of tangible personal property that, when installed, retains its identity as tangible personal property and does not become a permanent part of the real property.

I understand that:

___ I will be responsible for any sales tax, interest, and penalty due on the contractor's total charge for tangible personal property and for labor, if it is determined that this work does not qualify as a capital improvement, **and**

___ I will be required to pay the contractor the appropriate sales tax on tangible personal property (and any associated services) transferred to me pursuant to this contract, when the property installed by the contractor does not become a permanent part of the real property; **and**

___ I will be subject to civil or criminal penalties (or both) under the Tax Law, if I issue a false or fraudulent certificate.

Signature of customer	Title	Date
	Sr. Vice President	*12/10/09*

To be completed by the contractor:

I, the contractor, certify that I have entered into a contract to perform the work described by the customer named above. (A copy of the written contract, if any, is attached.)

I, understand that my failure to collect tax as a result of accepting an improperly completed certificate will make me personally liable for the tax otherwise due, plus penalties and interest.

Signature of contractor	Title	Date

This certificate is not valid unless all entries are completed.

Guidelines

If a contractor has been given a properly completed Certificate of Capital Improvement by the customer within 90 days after rendering services, the burden of proving the job or transaction was a capital improvement (i.e., was not taxable to the customer) rests **solely** on the customer.

If the contractor has **not** been given a properly completed Certificate of Capital Improvement within 90 days, the work performed will be deemed to have been a taxable transaction. In this instance, if the contractor fails to pay the appropriate tax on the full amount of the contract, the contractor will be required to bear the burden of proving the transaction was a capital improvement.

The contractor must maintain a method of associating an exempt sale to a particular customer with the exemption certificate relating to that sale. The contractor must keep the exemption certificate for at least three years after the due date of the last return to which it relates or the date the return was filed, if later.

This certificate, when completed by the customer and given to the contractor, is evidence that the work to be performed will result in a capital improvement to real property. **This certificate may not be used by a contractor, subcontractor, a property owner or a tenant to purchase building materials or other tangible personal property tax free.** Acceptance of this certificate by a contractor does not relieve the contractor of the liability for payment of sales tax. A contractor must pay sales tax on the purchase of building materials or other tangible personal property incorporated into the real property as a capital improvement.

A capital improvement to real property is defined in section 1101(b)(9) of the Tax Law and Sales Tax Regulation, section 527.7(a)(3), as an addition or alteration to real property which:

a) substantially adds to the value of the real property or appreciably prolongs the useful life of the real property,

and

b) becomes part of the real property or is permanently affixed to it so that removal would cause material damage to the property or article itself,

and

c) is intended to become a permanent installation.

The work performed by the contractor must meet all three of the above requirements to be considered a capital improvement. This certificate may not be issued unless the work qualifies as a capital improvement.

The term "materials" is defined as items which become a physical component part of real or personal property, such as lumber, bricks, or steel (Sales Tax Regulation, section 541.2(l)). This also includes other items such as doors, windows, kits, and prefabricated buildings used in construction.

For guidance as to whether a job is a repair or a capital improvement, refer to Publication 862, *Sales and Use Tax Classifications of Capital Improvements and Repairs to Real Property.*

Floor Covering

On or after June, 1989, floor covering such as carpet, carpet padding, linoleum and vinyl roll flooring, carpet tile, linoleum tile, and vinyl tile, installed as the initial finished floor covering in new construction, a new addition to an existing building or structure, or in a total reconstruction of an existing building or structure, constitutes a capital improvement regardless of the method of installation. As a capital improvement, the charge to the property owner for the installation of such floor covering is **not** subject to New York State and local sales and use taxes.

Floor covering installed other than as described in the preceding paragraph does not qualify as a capital improvement, even though it meets the criteria stated in (a), (b), and (c) above. In other words, floor covering installed other than (1) in new construction, (2) in an addition to an existing building or structure, or (3) in a total reconstruction of an existing building or structure is not a capital improvement, and the installation charge is subject to the sales tax regardless of the manner in which the covering is installed.

The retail purchase of floor covering (carpet, padding, etc.) itself is subject to tax.

The term floor covering does **not** include flooring such as ceramic tile, hardwood, slate, terrazzo, and marble. Thus, the rules for determining when floor covering constitutes a capital improvement do not apply to such flooring.

ST-124 (7/97)

New York State Department of Taxation and Finance

New York State and Local Sales and Use Tax

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National Fuel Gas Supply Corp.			*Burrows Bros., Inc.*		
Street address			Street address		
6363 Main Street			*6360 Dean Parkway*		
City	State	ZIP code	City	State	ZIP code
Williamsville	*NY*	*14221*	*Ontario*	*NY*	*14519*
Certificate of Authority number (if any)			Certificate of Authority number (if any)		
25-0850705					

To be completed by the customer:

Describe capital improvement to be performed:

Pipeline Construction

Project Name			
Blanket Services and Mainline Extensions			
Street address (where the work is to be performed)	City	State	ZIP code

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___ I will be required to pay the contractor the appropriate sales tax on tangible personal property (and any associated services) transferred to me pursuant to this contract, when the property installed by the contractor does not become a permanent part of the real property; **and**

___ I will be subject to civil or criminal penalties (or both) under the Tax Law, if I issue a false or fraudulent certificate.

Signature of customer	Title	Date
	Sr. Vice President	*12/10/07*

To be completed by the contractor:

I, the contractor, certify that I have entered into a contract to perform the work described by the customer named above. (A copy of the written contract, if any, is attached.)

I, understand that my failure to collect tax as a result of accepting an improperly completed certificate will make me personally liable for the tax otherwise due, plus penalties and interest.

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and

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The retail purchase of floor covering (carpet, padding, etc.) itself is subject to tax.

The term floor covering does **not** include flooring such as ceramic tile, hardwood, slate, terrazzo, and marble. Thus, the rules for determining when floor covering constitutes a capital improvement do not apply to such flooring.

6363 Main St.
Williamsville, NY 14221

National Fuel
Engineering Services

1100 State St.
Erie, PA 16501

PRE-BID MEETING MINUTES

Tuesday, October 20, 2009

General Comments:

- These minutes shall be incorporated as contract documents.

Project Review:

1. Cost of pipe shall NOT be included in the unit prices for directional drilling. However, the cost to fuse pipe together for drilling will be included.

2. The pay increment for directional drilling (.6001 - .6019) will be determined by each drill set-up" location. (e.g. 3 road crossings at 60 lf/each = 3 crossings at the 50' – 100' increment price.)

3. Special Condition #17: When the bid documents indicate or National Fuel directs the contractor to direct bury or insert, the contractor may have the option to use trenchless methods at the unit prices for direct bury plus pipe pushing or insertion (no extra payment for cutting windows). Spot holes will only be paid where required for road crossings.

4. We will delete items .5015, .5016, .5017, as item .5014 will be paid for the labor to install any main connection for a 1-1/4" service. (Same as .5021 and .5025 for 2" and 3" services, respectively.)

5. Bid items .623, .624, and .625 are by insertion. If direct bury is necessary, then item .5018, .5022, or .5026 will be used.

6. Unit prices for mainline work do not include the cost to install fittings (90° Ell, tee, 45° Ell etc.) when that work is not anticipated. This work will be paid using hourly rates plus material.

7. Item .610 will include up to 50 LF (not 150' LF).

8. Relights that are commercial, industrial or involve excessive relighting of equipment will be paid hourly.

9. Williamson connections for services will be paid hourly using welder rates.

10. On mainline insertions, there will be no separate payment for temporary service connections.

11. If a separate excavation is required to cut and plug an old service connection, contingency payments will be used (C-22 or C-23). Item .610 description was revised accordingly.

12. When a 1-1/8" stick EFV is required, the contractor will be paid using contingency C-58.

13. If the contractor material catalog lists an identical item more than once, the bidder should use the highest unit price listed.

14. Special Condition #25: This condition will apply for both new and renewal services.

BLANKET PIPELINE WORK (2010-2012)
SPECIAL CONDITIONS:

The bids are due by noon on the due date (see attached calendar) to John Macchia in the Engineering Department at 6363 Main Street, Williamsville, NY. Questions may be directed to John Macchia, at (716) 857-7867.

FACSIMILE OR EMAIL TRANSMISSIONS WILL NOT BE ACCEPTED

The Bid must be submitted on-line unless otherwise directed by National Fuel

1. This document is an invitation to qualified pipeline contractors to submit an offer to perform pipeline construction and related work for National Fuel Gas Distribution and Supply Corporation ("National Fuel"). Your bid submission shall constitute your offer to perform such work at the prices set forth in your bid submission.

2. Term of Contract

   - Three renewable contracts.
     January 1, 2010 – December 31, 2010
     January 1, 2011 – December 31, 2011
     January 1, 2012 – December 31, 2012

   - This Agreement shall be effective as of the date first above written, and shall continue in effect, unless terminated earlier pursuant to other provisions of this Agreement. Additionally, the Agreement shall automatically renew for up to one additional one-year term should neither party provide at least 30-days prior written notice to the other of its intent not to renew prior to the expiration of the term then in effect.

3. The Contract Documents shall consist of the following:

   - The Bid Submission (i.e., the awarded Contract);
   - These Special Conditions;
   - The current Pipeline Contractor Administration Manual;
   - Contingency Prices;
   - Meter Set Drawings;
   - Current Contractor Foreman / Pipeline Inspector Manual.
   - The current National Fuel Gas Material Catalog with Prices dated **10/12/09**;
   - The current Restoration Special Conditions (Administration Manual).
   - The current Construction Specifications and Procedures Manual (Supply Company)

4. Invoicing: On a weekly basis, the Contractor shall submit a tally sheet to the Company's District Manager, summarizing that portion of the Work completed by the Contractor during the previous week, and agreed upon by the Company. The Company shall utilize these tally sheets in making appropriate payments to the Contractor on a bi-weekly basis. Invoices are subject to Company Material Allowance reductions as set forth in the Contract Documents. **Terms of payment are net 30 days.**

5. All restoration is rough grade tamped and level. **Temporary asphalt is to be installed for all street excavations and the cost included in the appropriate street bid item. For pavement excavations other than street, temporary asphalt will be installed as directed by National Fuel using a contingency payment item.**

BLANKET PIPELINE WORK (2010-2012)
SPECIAL CONDITIONS:

6. All bid items must have a unit price submitted even if the quantity is zero. Company also reserves the right to reject any total bid at the sole discretion of National Fuel.

7. National Fuel reserves the right to reject any unit bid item that it deems as unacceptable, as well as any item with a bid quantity of zero. The work for that bid item may be paid using hourly rates or by contingency.

8. Company material allowance prices may be adjusted for material cost increases and / or overhead rate changes. The total estimated National Fuel material cost must be submitted on the price quotation cover sheet. This cost is included in the individual bid items unless otherwise noted. There will be no adjustments for material price changes for the first calendar year of the contract, unless there is a significant change, at the discretion of National Fuel. The cost of mainline plastic pipe 1-1/4" and larger, and paid by the linear foot, shall not be included in the unit bid prices. Instead, the contractor will submit a Change Order for the actual material cost charged and submit that Change Order with the associated tally sheets. Those Change Orders shall include the MMD packing slip to verify the unit price charged.

   When National Fuel approves any additional compensation for material cost increases, the contractor must submit a Change Order and the appropriate "material worksheet" and verify the actual prices charged (packing slips). These submittals must match the quantities used on the associated tally sheets.

9. The bid package will be awarded on the combined overall lowest bid of the individual servicenter bids contained in the bid package. The Company may award contracts for any servicenter on an "alternate" basis. The alternate Contractor would be awarded work on an as-needed basis when the primary blanket Contractor does not have crews available when needed. There will be no minimum guarantee of work for the alternate Contract. National Fuel Gas reserves the right to disqualify a low bidder if the bid amount on any bid items is deemed excessive or unbalanced.

10. National Fuel Gas will guarantee at least 25% of the estimated dollar value of work of the total low bid amount, annually, for the combined servicenter areas awarded. This will include all like and similar work performed on a blanket contract basis. The Company may offer work in areas other than those areas awarded in an effort to achieve the 25% value. If work is assigned in other service areas, the contractor may be entitled to compensation for additional travel expenses. Any work declined by the contractor will be applied to the guarantee value.

11. Contractors bidding on this work must have the capability of completing road crossings using trenchless construction methods. There will also be items provided for directional drilling. The contractor may choose to install a road crossing by directional drilling however, the directional drilling prices apply only when specified by National Fuel. Company materials are not included in the Directional Drilling prices.

12. Backfill for work under surfaces other than earth shall include pipe padding and select backfill. Excavated material under any surface other than earth must be removed and disposed. Standard traffic protection is included but flagmen would be paid as an extra.

13. All plastic pipe installations must include tracer wire, split bolt connections, and warning tape (if direct bury). Wire will be verified for continuity

BLANKET PIPELINE WORK (2010-2012)
SPECIAL CONDITIONS:

14. Warning tape shall be installed, per National Fuel specifications, on all pipe (mains & services) that has been placed by direct bury, regardless of the length of the excavation. When pipe is inserted, tape will be required over the pipe in the open-excavated areas. Tape should be installed at a depth approximately halfway between the top of the pipe and the top of the trench, not less than 12" over the pipe.

15. All mains and services being uprated from low to medium pressure will be tested at 90 psig for a minimum of one hour. The cost of testing should be included in the associated bid items.

16. 12-gauge copper clad tracer wire is required for all installations.

17. When the bid documents indicate, or National Fuel directs the contractor to "direct bury", the contractor has the option of using trenchless construction to complete the work at the unit price for direct bury.

18. The contractor is responsible to coordinate the work with the customer/property owner. The contractor will verify work site availability to avoid delays.

19. Company material will be available from our Mineral Springs warehouse in New York.. Contractors will be assigned one day per week to pick-up or receive deliveries from our warehouse. Two (2) working days notice is required for each order. Deliveries of contractor materials may be accommodated to the local servicenter. Advance notice is required and delivery schedules vary and are limited.

20. To accommodate PCB testing, the contractor may be required to furnish National Fuel with pipe samples. There is no separate payment for this work. If the contractor is required to axial cut the pipe, a contingency item will apply.

21. The incremental quantity for mainline work will be determined by using the total mainline linear footage per project or per job site location. The price increment for each size of mainline pipe will be determined by using the total footage of the project (e.g. one project includes 800' of 2" & 800' of 3" equals total 1600 LF of main. We would use the 1001 – 2000 LF price for both 2" and 3" main).

22. National Fuel will not respond to One-Call requests to locate existing gas facilities on blanket work for National Fuel (NY & PA). The contractor will be provided with measurements and records to locate our existing facilities using the appropriate equipment and the provided information. Contractor personnel will be required to attend a ½ day training session to "operator qualify" in line locating to accommodate this work and will need to be field-certified to perform locating unsupervised.

23. Work in streets will be paid on a crew and equipment basis. If specialized equipment such as large (operator required) power saws are needed, the contractor will be compensated via Change Order. Bid item .502, "service cut-off in street", includes street excavation and backfill and there will be no additional compensation for that work. If the bid items do not specify street excavation, additional payment will be applicable.

24. For mainline insertions, the bid items for temporary cut-offs shall include furnishing the materials (CSI, end cap, stiffeners) to accommodate the existing gas line. Payment will be made for the pipe size cut.

25. The main connection saddle material for1-1/4", 2" and 3" service renewals and new services will be paid by Change Order. An inserted riser and riser valve will be required and included in the renewal price.

BLANKET PIPELINE WORK (2010-2012)
SPECIAL CONDITIONS:

26. Service renewal items include the pipe, riser, riser valve and meter bar. The main connection will be paid using the appropriate, separate bid item.

27. Payment Items: Whenever a bid item is identical to a contingency item, the bid item shall be used for payment. If a bid item is not appropriate, a contingency item shall be used as an alternate payment method. If there is no contingency that suits the work, a Change Order shall be created using contingency rates for the time and material charges.

28. Coal Tar Pipe Removal: The contractor shall comply with all "cold tar pipe removal and handling procedure" as required by the contract documents.

29. For bidding purposes, all excavations shall be considered to be in earth unless otherwise stated in the bid items. Additional payment will be made for pavement removal and backfill for work in surfaces other than earth (e.g. concrete, asphalt, street). No additional payments will be made for excavations under stone or gravel, however, pipe padding and select backfill will be required and paid using a separate bid item or contingency.

30. Plastic-to-plastic tie-ins must be made using either mechanical couplings or electrofusion. Butt-fuse tie-ins are not permitted in any excavation.

31. Warranty of Authority: "Contractor is a corporation or limited liability company which is duly organized, validly existing and in good standing in all states in which Contractor is doing business. Contractor is also duly qualified as a foreign corporation or foreign limited liability company in all states in which the failure to so qualify would have a material adverse effect on its business or financial condition."

32. Performance Bond: At the time of bid submittal, the Contractor shall provide the Company with a unit price per thousand dollars for the cost to provide a performance bond. The cost of this bond may be applied to the bid in determining the total bid price.

33. An "undeveloped" area is defined as a work site where there are no established driveways, lawns, sidewalks, etc. In addition, there would be no existing utilities that would be parallel to and within the "tolerance zone" of our pipe installation
34. When cutting "windows" for insertions, the bidder will be provided pay items for the size of pipe cut. For sizes not provided a bid item, hourly rates will apply.

35. Bid items are provided for pipe padding and other select fill products by the cubic yard. Acceptable pipe padding is specified in National Fuel procedures. Any other select backfill will be covered using the select fill item per cubic yard.

36. SD meter set bid items include labor and equipment to deliver and install. The pre-fab sets will be provided by National Fuel at no cost to the contractor.

37. If the contractor is required to furnish any non-National Fuel materials (or special rental equipment) on a "cost-plus" basis, for which there is no appropriate bid item, those materials may be charged at invoice cost plus 5% overhead and profit.

38. The contractor provides the welder for the Williamson bid items. If contractor request National Fuel to provide the welder, contractor must credit National Fuel.

39. In NY, all services include one wall bracket per service riser. In PA, only new services require a wall bracket.

40. If the contractor is reimbursed for time spent on failed trenchless installation, payment will be made using hourly rates.

UNIT PRICE QUOTATION AND MEASUREMENT
(2010 – 2012)

The contractor's unit price quotations, and associated measurement for payment, shall include but not be limited to the following descriptions of work:

A. Service Cut-offs (Items .500, .501, & .502) not associated with a new or renewal service

2" and Smaller Service Cut-offs – Main

1. Turn off curb valve remove box lid.
2. Excavate the main and service tap. All appropriate main fittings should be removed from the main. The service should be cut and capped as close to the main as practical.
3. Remove curb valve cover and fill curb box with acceptable material.
4. Remove and return existing meter set, cap and/or plug line.
5. Make any coating repairs as necessary.
6. Backfill in pavement and street with required select fill.

B. Service Work

The following GENERAL items shall be included on the scope of the work required to install, renew, and maintain services.

1. Disassembly and removal and return of existing meter set, cap and/or plug old line.
2. Install marking and locating devices
3. Cathodic protection (as necessary paid as an extra)
4. Painting exterior piping as required
5. Drill the service to minimize exposed houseline
6. Install wall brackets or channel posts as required.
7. Air testing all lines. (Applicable for all new, converted, transferred or renewed services.)
8. Furnish all material required to complete the work, main connection, including riser, riser valve, regulator, meter bar and reducing coupling (if necessary).
9. In NY, furnish and install one wall bracket per riser. In PA, furnish and install one wall bracket per riser on <u>new</u> services only.
10. Double plug and cap all abandoned below grade service piping entrance piping.
11. Install tracer wire with all pipe as well as warning tape in any open excavations.
12. Coordinate and schedule with customer

Service Conversions

When an existing service is converted from one operating pressure to another.

1. Plastic Service-On-Plastic Main - <u>Inside Meter</u> With 1-Hole Service at house(Bid Item No. 601).

    a) Install new riser, riser valve, meter / regulator set
    b) Excavation, backfill, and compact
    c) Plug and cap old service entrance
    d) Furnish all materials required to complete the work
    e) Pressure test

2. Plastic Service-on-Plastic Main - Outside Meter with No-Hole Service (Bid Item No. 602).

   a) Install new meter/regulator set and houseline connection
   b) Furnish all materials required to complete the work

3. Plastic Service-on-Plastic Main - Outside Meter Requiring New Riser, Riser Valve, Regulator, and Meter Bar (Bid Item No. 601).

   a) Install new riser, riser valve, meter / regulator, and houseline connection
   b) Excavation, backfill, and compact
   c) Furnish all materials required to complete the work
   d) Pressure test

4. Plastic Service-on-Coated Steel Main - Inside Meter with 2-Hole Excavation (Bid Item No. 600).

   a) Install new main fittings (cathodic protection)
   b) Install new riser, riser valve, meter / regulator, and houseline connection
   c) Pressure test
   d) Plug old main connection
   e) Excavation, backfill, and compact
   f) Make any coating repairs as necessary
   g) Plug and cap old service entrance
   h) Furnish all materials required to complete the work

5. Plastic Service-on-Coated Main - Outside Meter with 1-Hole Excavation (Bid Item No. 601).

   a) Install new main fittings (cathodic protection)
   b) Plug old main connection
   c) Install new regulator and meter set.
   d) Pressure test
   e) Excavation, backfill, and compact
   f) Make any coating repairs as necessary
   g) Furnish all materials required to complete the work

6. Plastic Service-on-Coated Main - Outside Meter with 2-Hole Excavation (Bid Item No. 600).

   a) Install new main fittings (cathodic protection required)
   b) Install new riser, riser valve, meter / regulator, and houseline connection
   c) Pressure test
   d) Plug old main connection
   e) Excavation, backfill, and compact
   f) Make any coating repairs as necessary
   g) Furnish all materials required to complete the work

Service Transfer

This involves transferring a plastic service from one main to another main of the same operating pressure.

1. Plastic Service-On-Plastic Main - Inside Meter 2-Hole Service (Bid Item No. 603).

   a) Install new main fittings
   b) Pressure test
   c) Install new riser, meter / regulator and houseline connection
   d) Plug old main connection

e) Excavation, backfill, and compact
f) Plug and cap old service entrance
g) Furnish all materials required to complete the work

2. Plastic Service-on-Plastic Main - Outside Meter (old style riser) 2-Hole Service (Bid item No. 603).

a) Install new main fittings
b) Pressure test
c) Install new riser, meter / regulator, and houseline connection
d) Plug old service at main
e) Excavation, backfill, and compact
f) Furnish all materials required to complete the work

3. Plastic Service-on-Plastic Main - Outside Meter 1-Hole service (Bid Item No. 604).

a) Install new main fittings
b) Pressure test
c) Excavation, backfill, and compact
d) Plug or cap old service at main
e) Furnish all materials required to complete the work

4. Plastic Service-on-Coated Steel Main - Inside Meter 2-Hole service (Bid Item No. 603).

a) Install new main fittings (cathodic protection)
b) Pressure test
c) Install new riser, meter / regulator and houseline connection
d) Plug or cap old service at main
e) Excavation, backfill, and compact
f) Make any coating repairs as necessary
g) Plug and cap old service entrance
h) Furnish all materials required to complete the work

5. Plastic Service-on-Coated Steel Main - Outside Meter 1-Hole Service (Bid Item No. 604).

a) Install main fittings (cathodic protection)
b) Pressure test
c) Excavation, backfill, and compact
d) Make any coating repairs as necessary
e)
f) Plug or cap old service at main
g) Furnish all materials required to complete the work

6. Plastic Service-on-Coated Steel Main - Outside Meter (old style riser) 2-Hole Service (Bid Item No. 603).

a) Install main fittings (cathodic protection)
b) Pressure test
c) Install new riser, meter / regulator, and houseline connection
d) Excavation, backfill, and compact
e) Make any coating repairs as necessary
f) Plug or cap old service at main
g) Furnish all materials required to complete the work

Service Conversions Transfer

This work involves transferring an existing plastic or coated service to a main of a different operating pressure.

1. Plastic Service-On-Plastic Main - Inside Meter With 2-Hole Service (Bid Item No. 605).

    a) Install new main fittings
    b) Install new riser, meter/regulator, and houseline connection
    c) Pressure test
    d) Excavation, backfill and compact
    e) Plug or cap old main connection
    f) Plug and cap old service entrance
    g) Furnish all materials required to complete the work

2. Plastic Service-On-Plastic Main - Outside Meter With 1-Hole (Bid Item No. 606).

    a) Install new main fittings
    b) Pressure test
    c) Excavation, backfill and compact
    d) Install meter/regulator and houseline connection
    e) Plug or cap old main connection
    f) Furnish all materials required to complete the work

3. Plastic Service-On Plastic Main - Outside Meter With 2-Hole Requiring New Riser, Regulator and Meter Bar (Bid Item No. 605).

    a) Install new main fittings
    b) Pressure test
    c) Install new riser, meter/regulator, and houseline connection
    d) Excavation, backfill and compact
    e) Plug or cap old main connection
    f) Furnish all materials required to complete the work

4. Plastic Service-On-Coated Steel Main - Inside Meter With 2-Hole Excavation (Bid Item No. 605).

    a) Install new main fittings (cathodic protection)
    b) Install new riser, meter/regulator, and houseline connection
    c) Pressure test
    d) Plug or cap old main connection
    e) Excavation, backfill and compact
    f) Make any coating repairs as necessary
    g) Plug and cap old service entrance
    h) Furnish all materials required to complete the work

5. Plastic Service-On-Coated Main - Outside Meter With 1-Hole Excavation (Bid Item No. 606).

   a) Install new main fittings (cathodic protection)
   b) Install new meter/regulator and houseline connection
   c) Pressure test
   d) Excavation, backfill and compact
   e) Make any coating repairs as necessary
   f) Plug or cap old main connection
   g) Furnish all materials required to complete the work

6. Plastic Service-On-Coated Main - Outside Meter (old style riser) With 2-Hole Excavation (Bid Item No. 605).

   a) Install new main fittings (cathodic protection)
   b) Install new riser, meter/regulator, and houseline connection
   c) Pressure test
   d) Plug or cap old main connection
   e) Excavation, backfill and compact
   f) Make any coating repairs as necessary
   g) Furnish all materials required to complete the work

Service Renewals

1. Short side renewal - inside or outside meter with 2-hole excavation and replacement of service tubing (Bid Item No. 607)

   a) Excavation, backfill, surplus disposal, and compact
   b) Install main tap and riser
   c) Plug or cap old service tap, if necessary
   d) Remove existing curb stop and box
   e) Excavate at the existing outside riser or where the service presently enters the building below grade and plug and cap old service entrance.
   f) Fill above grade building openings if necessary
   g) Replace existing steel service with 5/8" or 1-1/8" plastic tubing (up to 150 LF for blanket contract)
   h) Install service riser, riser valve, regulator, and single meter bar assembly
   i) Temporary connection to main for mainline insertions.
   j) Pressure test
   k) Plug and cap abandoned service lines
   l) Install curb stop and box on commercial services as directed by National Fuel
   m) Tie-in houseline
   n) Make any coating repairs as necessary
   o) Furnish all materials required to complete the work

2. Long side renewal - inside or outside meter with 3-hole excavation and replacement of service tubing (Bid Item No. 608). This item would apply for a long side service from the main insertable all the way to the building.

   a) Excavation, backfill, surplus disposal, and compact
   b) Install main tap and riser
   c) Plug or cap old service tap, if necessary
   d) Remove existing curb stop and box (third hole)
   e) Excavate at the existing outside riser or where the service presently enters the building below grade and plug and cap old service entrance.
   f) Fill above grade building openings if necessary

g) Replace existing steel service with 5/8" or 1-1/8" plastic tubing (up to 150 LF for blanket contract)
h) Install service riser, riser valve, regulator, and single meter bar assembly
i) Temporary connection to main for mainline insertions.
j) Pressure test
k) Plug and cap abandoned service lines
l) Install curb stop and box on commercial services as directed by National Fuel
m) Tie-in houseline
n) Make any coating repairs as necessary
o) Furnish all materials required to complete the work

3. New road crossing for a short-side service (.609). This item is used for a trenchless service crossing.

a) Excavation, backfill, surplus disposal and compact
b) Furnish and place plastic casing (1-1/8" – 1-1/4") and insert service carrier pipe (5/8" – 1-1/8")
c) Furnish all materials required to complete the work

4. Short side renewal - inside or outside meter with 2-hole excavation with direct bury of service tubing (Bid Item No. 610)

a) Excavation, backfill, surplus disposal, and compact
b) Install main tap and riser
c) Plug or cap existing service tap
d) Remove curb valve cover and fill curb box with acceptable material
e) Remove the existing outside riser and fill above grade building openings, or plug and cap old service entrance for below grade service entrance.
f) Cap and fill any below grade holes in the building and seal any above grade holes
g) Direct bury of service tubing (up to 50 LF for blanket contract)
h) Service line in excess of 50 LF will be paid by contingency for blanket contract work
i) Install service riser, riser valve, regulator, and meter bar assembly
j) Pressure test
k) Install curb stop and box on commercial services as directed by National Fuel
l) Tie-in houseline
m) Temporary connection to mains for mainline insertions.
n) Make any coating repairs as necessary
o) Furnish all materials required to complete the work
p) Separate excavation to abandon an old service connection will be paid using contingency item C22 or C23.

5. Double Meter Sets (Bid Item .611)

a) Furnish and install double meter bar
b) Drill houseline entry
c) Place meters
d) *Note*: This item is for the incremental cost of installing a second meter. The cost of furnishing and installing the first meter with a single meter bar should be included in an appropriate service renewal item. The material cost for this item should be the difference between a single meter bar and a double meter bar.

6. Additional Meter Beyond Double (Bid Item .612)

a) Furnish and install an additional single meter bar on meter sets containing three meters or greater
b) Drill houseline entry
c) Place meter
d) *Note*: Payment is for the "third" meter and each additional meter

7. Install Houseline ¾" – 1" diameter (Bid Item .613 and .614)

   a) Furnish pipe and fittings
   b) Install pipe and fittings – rigid piping, (minimum 1 LF)
   c) Paint exterior pipe & fittings
   d) Test houseline

8. Relights Per Meter (Bid Item .615)

   a) Test houseline
   b) Regulator test and inspection (NY only)
   c) Relight appliances
   d) Receipts of Advice (ROA's) as required
   e) Schedule work with customer

9. Main Connection for Renewal Item (5/8" – 1-1/8") (Bid Item .616 - .622 and .627 - 633)

   a) Furnish and install plastic service tapping tee (.616 - .622) electrofused tee for 10" and 12"
   b) Furnish and install saddle and tee for steel or cast iron mains. Includes EFV for 5/8" saddles.
   c) Furnish and install reducer if necessary (5/8" x 1-1/8" permasert).

10. 1-1/4", 2", and 3" Renewal by Insertion (Bid Item .623, .624, and .625)

    a) Excavation, backfill, surplus disposal, and compact
    b) Install main tap and riser (main connection material paid by Change Order)
    c) Plug or cap old service tap, if necessary
    d) Remove existing curb stop and box
    e) Excavate at the existing outside riser or where the service presently enters the building below grade and plug and cap old service entrance.
    f) Fill above grade building openings if necessary
    g) Replace existing steel service with 1-1/4" – 3" plastic tubing by insertion (up to 150 LF for blanket contract)
    h) Install service riser, riser valve, regulator, and single meter bar assembly
    i) Temporary connection to main for mainline insertions.
    j) Pressure test
    k) Plug and cap abandoned service lines
    l) Install curb stop and box on commercial services as directed by National Fuel
    m) Tie-in houseline
    n) Furnish all materials required to complete the work

11. 5/8" – 1-1/8" Push Service Tubing (Bid item .626) This item is used where direct bury is not practical.

    a) Furnish plastic pipe
    b) Push tubing as approved by National Fuel for this payment
    c) Excavation, backfill, and compact

C. Williamson Fittings, Tees and Shortstops (Items .700 - .707)

Welding and Tapping of Williamson Fittings.

1. This item is for the welding , tapping and stopping with a Williamson fitting with the supervision of a National Fuel Gas inspector.

2. The contractor will provide the welder to weld the fitting to the main. The welder must be certified by National Fuel. If National Fuel furnishes the welder, a credit Change Order will be required.
3. A Williamson tee will include welding a "pup" section.
4. The contractor personnel operating the Williamson tapping equipment must have completed National Fuel's Williamson training class and must follow the manufacturer's recommended procedures and the procedures in National Fuel's Operating Procedures Manual.
5. If installing a tee, this will be considered a tie-in and there will be no additional tie-in bid item payment (.700 - .703). This will include excavation, backfill, surplus removal, and compact.
6. For shortstops, a tie-in or bell-hole item may be required as additional payment (.704 – 707). If no other work is done in the excavation.
7. Install appropriate coating materials.
8. Furnish all materials required to complete the work.

D. Commercial/Industrial Meter-Regulator Sets Installation (Items .800 - .807 and .809 - .816)

Installation of Standard Meter Sets (Labor and equipment cost only)

1. Contractor will assemble the palletized meter set and connect to existing riser.
2. Perform pressure test as per the Operating Procedures Manual Section 3.3, Page 10.
3. Install all necessary pipe supports as indicated on drawings.
4. The number of bolts per flange connection are as follows:
   2" pipe: 4 bolts/flange
   3" pipe: 4 bolts/flange
   4" pipe: 8 bolts/flange
5. The 2" regulators as shown on Set SD-12 and SD-14 require four bolts for installation.
6. Renewals to include removal of existing set.
7. National Fuel will furnish and order the meter sets for pickup, delivery and installation by the contractor.
8. The installation of the meter sets may not occur at the same time the service is installed.
9. **National Fuel will provide the materials for these items at no cost to the contractor, except .808 and .817, concrete base.**
10. Concrete Base Supports (.808 and .817) will require sonotube and concrete.

E. Leak Repairs

Crew and Equipment (2 person) (Items .900 & .901)
Foreman/Laborer/Operator (Items .902 & .903)

1. The contractor will provide a 2-person crew that will include at least one foreman who is "leak repair" qualified. The other crew member may be any job classification (foreman, laborer, operator.) The minimum equipment will include a truck with tools, compressor and a backhoe/excavator. The crew shall be equipped with all the tools necessary to perform this work. Gas testing and line locating equipment will also be required. The crew shall have a cell phone to accommodate communications with National Fuel. The crew foreman must also have a complete set of personal protective equipment (PPE.) The hourly rate will include all overhead and profit.

   Straight Time Rate:
   This applies to the first eight hours worked Monday through Friday. Lunchtime will not be paid.

   Premium Time Rate:
   This applies to hours worked in excess of eight hours Monday through Friday. This also applies to all hours worked on Saturdays, Sundays, and the standard holidays (Christmas, New Years, Thanksgiving, Memorial Day, Independence Day, and Labor Day.)

Dump Truck with Driver (Tandem) (Item .904)

1. The cost of any trucking required to remove surplus will be paid per hour worked. This item applies when a separate dump truck is required and is not part of the standard crew and equipment. This item will allow for a driver

Single Axle Dump (No Driver) (Item .905)

1. This item applies when the contractor furnishes a dump truck as part of the standard crew & equipment. One person from the 2-man crew would operate the truck.

Crew and Equipment – Travel Time (In Excess of ½ hour) (Item .906 & .907)

1. This rate applies for crew and equipment travel time in excess of one-half hour to report to the servicenter area where the work is performed. The contractor shall allow for one-half hour or less travel time to and ½ hour or less from work per day. Time required to travel from job site to job site during the shift will be paid at the regular crew rate.

Materials

1. The contractor will be required to procure all National Fuel provided materials through our warehouse or the local servicenter stockrooms. The material will be transferred to the contractor's account. The contractor will be reimbursed for all material used on the job as itemized on the appropriate paperwork. Unused excess material may be returned to National Fuel for credit to the contractor's account.

   Any stone, gravel, blacktop, or other material required to complete the work will be paid using the appropriate contingency price or as an extra. If no contingency price applies, then the contractor will invoice National Fuel with appropriate documentation.

   National Fuel reserves the right to furnish some or all material at no cost to the contractor.

Personal Protective Equipment (PPE)

1. The crew foreman must have the required PPE. National Fuel will provide this equipment at no cost to the contractor. However, National Fuel assumes no liability as a result of any manufacturer's defects in this equipment. The contractor may purchase their PPE from an approved source and National Fuel will reimburse the contractor for that cost. The contractor's cost should not exceed the price paid by National Fuel for the same equipment.

Other Work

1. When a blanket contractor is performing leak repair work in their blanket service area and "capital" work is required (e.g. service renewals, relights, mainline replacement), National Fuel reserves the right to use the blanket bid items for payment in lieu of the leak repair hourly rates.

F. **Mainline Extensions (Developed and Undeveloped)**

New 2"or 3" Plastic Main: (Items .1000 - .1005, .1007 - .1012 and .1040 – 1045, .1047 - .1052)
New 4" Plastic Main: (Items .1014 - .1019, 1054 - .1059)
New 6"or 8" Plastic Main: (Items .1021 - .1024, .1026 - .1029 and .1061 - .1064, .1066 - .1069)

1. Installation of new main in undeveloped and developed areas following procedures in the National Fuel Operating Procedures Manual. The main will be installed a minimum of 30 inches of cover. Installations within State highway right of ways will be installed with 36" of cover.
2. Excavated material shall be placed back into the trench with adequate compaction per National Fuel's Level Trench Policy, and surplus removed and disposed..
3. Fusion of any incremental joints and end caps.
4. Pressure test mains as listed in the applicable section 2.1 of the Operating Procedures Manual.
5. The pipe footage for billing purposes shall be the linear measurement along the centerline of the installed pipe and fittings. Minimum paid length: 50 feet.
6. Care must be taken to minimize property damage.

New 2", 3", 4", 6", and 8" Plastic Main in undeveloped areas:

1. This item is for installation of new mains in areas of new construction in subdivisions or along relatively unimproved sections of frontage along existing roadways.
2. The minimum installation for use of this item shall be fifty linear feet (50') on one side of a roadway.
3. The remainder of requirements from New 2", 3", 4" 6" or 8" Plastic Main shall apply.

2" or 3" Plastic Road Crossings for Mains (Trenchless) (Items .1030 and .1031)
4" Plastic Road Crossings for Mains (Trenchless) (Item .1032)
6" or 8" Plastic Road Crossings for Mains (Trenchless) (Items .1033 and .1034)

1. Crossing installation includes excavation and backfill of sending and receiving pits to install mainline a minimum of 36 inches of cover for all diameters up to 3 inches, 42 inches for 4 inch diameter main and 48 inches for 6 and 8 inch diameter main. Cover shall be 5 feet for state highways for all diameters.
2. Crossings shall be installed by rodding, jacking or pneumatic missile. The failure of one attempt (or method) at a location and success with another does not entitle the contractor to extra payments. The contractor is expected to make two reasonable attempts to install the road crossing as part of this unit price.
3. Measurement for payment will be from edge of shoulder to edge of shoulder (including stoned shoulders), measured perpendicular to the centerline, plus five feet on each side.
4. Mainline installed into existing installed casing shall be paid under the other appropriate mainline items and not under this item.

Insert Plastic Pipe into Existing Casing: (Items .1006, .1013, .1020, .1025)

1. Contractor will install new plastic main in an existing casing.
2. Excavate to expose both ends, furnish and install plastic pipe.
3. Backfill and compact as necessary.
4. Fusions shall be minimized
5. Pressure test (a separate test is not required).
6. Payment is per linear foot (no minimum)

G. **Additional Butt Fusions 4" – 8" (items .1035, .1036, .1075, .1076 and .1138, .1139)**

This item is used for new pipe when the contractor knows, ahead of time, that additional fusions will be required (e.g. tees, offsets). The required fittings will be paid for by Change Order.

H. Mainline Direct Bury Developed Areas

1-1/4" Plastic Main Replacement, Direct Bury (Items .1100 - .1103)
2" Plastic Main Replacement, Direct Bury (Items .1104 - .1107)
3" Plastic Main Replacement, Direct Bury (Items .1108 - .1111)
4" Plastic Main Replacement, Direct Bury (Items .1112 - .1115)
6" Plastic Main Replacement, Direct Bury (Items .1116 - .1119)
8" Plastic Main Replacement, Direct Bury (Items .1120 - .1123)
10" Plastic Main Replacement, Direct Bury (Items .1134 & .1135)

1. Installation of main in developed areas following procedures in the National Fuel Operating Procedures Manual. The main will be installed with 30 inches of cover. Installations within State highway right of ways will be installed 36 inches of cover.
2. Excavated material shall be placed back into the trench with adequate compaction per National Fuel's Level Trench Policy.
3. Fusion of any incremental joints.
   Pressure test mains as listed in the applicable section of the Operating Procedures Manual.
4. The pipe footage for billing purposes shall be the linear measurement along the centerline of the installed pipe.
5. Minimum payment will be 50 linear feet.

2" Plastic Pushing Pipe – Other Than Roads (Item .1124)
3" Plastic Pushing Pipe – Other Than Roads (Item .1126)
4" Plastic Pushing Pipe – Other Than Roads (Item .1128)
6" Plastic Pushing Pipe – Other Than Roads (Item .1130)
8" Plastic Pushing Pipe – Other Than Roads (Item .1132)
10" Plastic Pushing Pipe – Other Than Roads (Item .1136)

1. Installation of main in developed areas following procedures in the National Fuel Operating Procedure Manual. The main will be installed 30 inches below existing grade. Installations within State highway right of ways will be installed 36 inches below existing grade.
2. The proper precautions and procedures will be used to ensure the pipe is not gouged during the pushing process.
3. Fusion of any incremental joints.
4. Pressure test mains as listed in the applicable section 2.1 of the Operating Procedures Manual.
5. The pipe footage for billing purposes shall be the linear measurement along the centerline of the installed pipe.

2" or 3" Plastic Road Crossings for Mains (Trenchless) (Items .1125 and .1127)
4" Plastic Road Crossings for Mains (Trenchless) (Item .1129)
6" or 8" Plastic Road Crossings for Mains (Trenchless) (Items .1131 and .1133)

1. Crossing installation includes excavation and backfill of sending and receiving pits to install mainline a minimum of 36 inches of cover for all diameters up to 3 inches, 42 inches for 4 inch diameter main and 48 inches for 6 and 8 inch diameter main. Cover shall be 5 feet for state highways for all diameters.
2. Crossings shall be installed by rodding, jacking or pneumatic missile. The failure of one attempt (or method) at a location and success with another does not entitle the contractor to extra payments. The contractor is expected to make two reasonable attempts to install the road crossing as part of this unit price.
3. Measurement for payment will be from edge of shoulder to edge of shoulder (including stoned shoulders), measured perpendicular to the centerline, plus five feet on each side.
4. Mainline installed into developer installed casing shall be paid under the other appropriate mainline items and not under this item.

I. Mainline Insertion (Developed Areas)

1-1/4" Plastic Main Replacement, Insertion (Items .1200 - .1203)
2" Plastic Main Replacement, Insertion (Items .1206 - .1209)
3" Plastic Main Replacement, Insertion (Items .1212 - .1215)
4" Plastic Main Replacement, Insertion (Items .1218 - .1221)
6" Plastic Main Replacement, Insertion (Items .1224 - .1227)
8" Plastic Main Replacement, Insertion (Items .1230 - .1233)
10" Plastic Main Replacement, Insertion (Items .1236 & .1237)

1. Installation of main in developed areas following procedures in the National Fuel Operating Procedures Manual. The proper precautions and materials will be used to ensure the pipe is not gouged during the insertion process.
2. National Fuel reserves the right to determine if the existing main should be inserted based upon the depth below existing grade being shallow or excessive. If National Fuel determines that the main shall not be inserted it will be direct buried according to the requirements of Section C. Excavated material shall be placed back into the trench with adequate compact per National Fuel's Level Trench Policy.
3. Fusion of any incremental joints.
4. Pressure test mains as listed in the applicable section 2.1 of the Operating Procedures Manual.
5. The pipe footage for billing purposes shall be the linear measurement along the centerline of the installed pipe.
6. Includes temporary service connection to existing main
7. Mainline item includes cost of making windows for service connections on cast iron mains.
8. Minimum payment will be 50 linear feet

Temporary Cut-offs for Mainline Insertions
(Items .1204, .1210, .1216, .1222, .1228, & .1234; .1238)

1. Tap and bag existing main
2. Cut existing main
3. Furnish and install temporary coupling
4. Contractor must make every effort to conduct the insertion work so as to minimize the frequency of temporary cut-offs.
5. Contractor will be paid for the size of the pipe that is cut and capped (e.g. insert new 2" plastic into 8" steel = pay item .1235).

Cutting "Windows" on steel pipe for Insertions
(Items .1205, .1211, .1217, .1223, .1229, .1235, & 1239)

These bid items apply to cutting openings for connections (service or other) to the new mainline carrier pipe. This does NOT include axial cutting. Payment will apply to the size of pipe cut. Excavation and backfill in earth is included.

Minimum window size 24" up to 4" main*
Minimum window size 34" for 6" main*
Minimum window size 40" for 8" main*
Minimum window size 48" for 10" main*

*Based on pipe size being CUT.

J. **Miscellaneous Work (Mains)**

2" Main Valve and Box (Item .2000)
3" Main Valve and Box (Item .2001)
4" Main Valve and Box (Item .2002)
6" Main Valve and Box (Item .2003)
8" Main Valve and Box (Item .2004)
Crew and Equipment (2 person) (Item .2005)
Crew and Equipment (3 person) (Item .2006)
Fitter Time (Foreman/Operator/Laborer) (Item .2007)
Fitter Time with Vehicle and Tools (Item .2008)
Welder (with vehicle, welding machine, welding rod and tools) (Item .2009)
Pipe Padding Material in Place (per cubic yard) (.2010)
Furnish and install pipe padding meeting the requirements of National Fuel.
Select Fill in Place (per cubic yard) (.2011)
Furnish and install select backfill meeting the requirements of National Fuel.

1. Install **butt fuse type** valve with suitable fusion in a hole excavated under another bid item **and in conjunction with other associated work**.
2. Install valve box with square cover.
3. Crew and Equipment (2 person): This item will be paid for work, which is beyond the scope of any other bid items or contingency items. Payment will be based upon an hourly rate for manpower (2 people) and equipment. Contractor will furnish vehicles, trucking, excavating equipment and any tools required to complete the work. Specialized equipment that requires an operator (such as large walk-behind saws and rented dump trucks as approved by National Fuel), will be paid for separately.
4. Crew and Equipment (3 person): Same as #3 above with one additional person included in the crew if required.
5. Fitter Time (Foreman/Operator/Laborer) per hour.
6. Welder must be certified by National Fuel.
7. Fitter with vehicle and tools: 1 person working alone and separate from the main crew. The work requires an equipped vehicle.

K. **Miscellaneous Work (Services)**

2" Service Valve and Box (Item .2100)
3" Service Valve and Box (Item .2101)
4" Service Valve and Box (Item .2102)
Crew and Equipment (2 person) (Item .2103)
Crew and Equipment (3 person) (Item .2104)
Fitter Time (Foreman/Operator/Laborer) (Item .2105)
Fitter Time with Vehicle and Tools (Item .2106)
Welder (with vehicle, welding machine, welding rod and tools) (Item .2107)
Pipe Padding Material in Place (per cubic yard) (.2108)
Furnish and install pipe padding meeting the requirements of National Fuel.
Select Fill in Place (per cubic yard) (.21090)
Furnish and install select backfill meeting the requirements of National Fuel.

1. Install **butt fuse type** valve with suitable fusion in a hole excavated under another bid item **and in conjunction with other associated work.**
2. Install valve box with round cover.
3. Same as Crew and Equipment (2 person) as stated in #3 above for Miscellaneous Work (Mains).
4. Same as Crew and Equipment (3 person) as stated in #4 above for Miscellaneous Work (Mains).
5. Fitter Time (Foreman/Operator/Laborer) per hour.
6. Welder must be certified by National Fuel.
7. Fitter with vehicle and tools: 1 person working alone and separate from the main crew. The work requires an equipped vehicle.

L. Mainline Tie-ins and Cut-offs

1-1/4" - 12" LP Steel Mainline Tie-ins and Cut-offs

1. Mainline cut-offs will be paid on the same basis as tie-ins with the work procedures being essentially the same for both items.
2. Uncover the existing main, with a safe excavation of adequate size to conduct the associated tie-in. This to include a depth of up to five feet (5').
3. Conduct the appropriate gas bagging procedure.
4. Cut the existing main.
5. Install the appropriate mechanical coupling to join the sections of main, complete any necessary coating repair.
6. Purging of the main is to be included in the tie-in procedure.
7. When more than one tie-in or cut-off is required in the same excavation, contractor will be paid for each additional tie-in or cut-off at 75% of the bid price for that item except in the case of full tees

M. Tie-ins installed by use of a full tee (Items .3101, .3103, .3105, .3107, .3109, .3111)

1. Uncover the existing main, with a safe excavation of adequate size to conduct the associated tie-in. This to include a depth of up to five feet (5').
2. Electrofuse tee to plastic main. Payment will be one each, this bid item includes up to three fusions.

N. 1-1/4"- 8" LP & MP Plastic Mainline Tie-ins and Cut-offs

1. Mainline cut-offs will be paid on the same basis as tie-ins with the work procedures being essentially the same for both items.
2. Uncover the existing main, with a safe excavation of adequate size to conduct the associated tie-in. This to include a depth of up to five feet (5').
3. Squeeze off at the section of main.
4. Cut off the existing main.
5. Make a suitable electrofusion joining the two sections of main.
6. Purging of the main is to be included in the tie-in procedure.
8. When more than one tie-in or cut-off is required in the same excavation, contractor will be paid for each additional tie-in or cut-off as 75% of the bid price for that item.

O. 1-1/4" - 8" MP Steel Mainline and Cutoffs

1. Mainline cut-offs will be paid on the same basis as tie-ins with the work procedures being essentially the same for both items.
2. Uncover the existing main, with a safe excavation of adequate size to conduct the associated tie-in. This to include a depth of up to five feet (5').
3. The control of gas flow will either be controlled through valving or stopping operations by NFG personnel or through Williamson stopping operations performed by the contractor as defined elsewhere in this contract..
4. Cut the existing main.
5. Install the appropriate mechanical coupling to join the sections of main, complete any necessary coating repair.
6. Purging of the main is to be included in the tie-in procedure.
7. Pavement Excavation (6 X 4 X4) via contingency
   a) Saw cut (if required), break pavement
   b) Excavate and surplus disposal
   c) Backfill with select fill
   d) Temporary asphalt, if required, to be paid by contingency

8. When more than one tie-in or cut-off is required in the same excavation, contractor will be paid for each additional tie-in or cut-off as 75% of the bid price for that item.

P. New Services

Main Tap and Riser Installation for 5/8" to 1-1/8" New Services (Items .5000 - .5010)
Main Tap and Riser Installation for 1-1/4", 2" & 3" New Services: (Items .5014 - .5017, .5021, .5025)
Main connection material paid by Change Order.

1. Installation of service tap at gas main: including excavation and backfill, and connection of service tubing to saddle. Includes EFV for 5/8" saddles. (Welder extra if required.)
2. Installation of Riser and Service Bar unit at the building: including excavation and backfill, connection of service tubing, wall bracket and completed service Common Order Form.
3. Payment will be made per unit, with service tap installation and, Riser and Meter Bar installation comprising the unit.
4. Appropriate repair to coating for steel mains prior to backfill.

Installation of 5/8" to 1-1/8" New Service Tubing (.5011)
Installation of 1-1/4", 2" & 3" New Service Tubing (.5018. .5022, .5026)

1. Excavation and backfill of trench necessary to install service tubing with 24 inches of cover below existing grade between the mainline and the riser
2. In areas where the main being tapped for the new service is in highway right-of-way, the tubing shall be installed with the standard depth of cover for main for that portion of the service trench in the highway right-of-way.
3. Backfill shall be compacted adequately to ensure minimal settlement.
4. Pressure test as listed in the section 3.3 of the Operating Procedures Manual.
5. Measurement for payment purposes on short side service installations will be from the center of the service saddle to the center of the riser, in linear feet.

New 5/8" to 1-1/8" Service under roadway pavement: (.5012)
New 1-1/4", 2" & 3" Service under roadway pavement: (.5019, .5023, .5027)

1. For long side services, excavation and backfill of sending and receiving pits to install service tubing a minimum of 36 inches below the pavement for all diameters up to 3 inches. Cover shall be 5 feet for state highways for all diameters.
2. Crossings shall be installed by rodding, jacking or pneumatic missile. The failure of one attempt (or method) at a location and success with another does not entitle the contractor to extra payments. The contractor is expected to make two reasonable attempts to install the road crossing as part of this unit price.
3. Measurement for payment will be from edge of shoulder to edge of shoulder (including stoned shoulders), measured perpendicular to the centerline, plus five feet on each side.
4. Cost of appropriate size casing required for 5/8" – 1-1/8" service crossings should be included in this work.

Inserting services through existing conduits (.5013, .5020, .5024, .5028)

1. Includes furnishing pipe and fittings, excavating each end and locating the conduit, as well as backfill and compact.

Q. Directional Drilling.

1. Contractor will provide the necessary drilling crew and equipment to drill and install plastic pipe. Operator Qualification will be required for basic excavation.
2. The Contractor is responsible to coordinate the work with the customer/property owner. The Contractor will verify work site availability to avoid delays.

3. Contractor will be paid via "Contingency" for any additional work beyond the scope of the unit bid items for drilling. If a contingency is not appropriate for the work, the Contractor will be paid by "Change Order" using the crew and equipment rates provided in this contract.
4. The Contractor shall assume that the ground conditions are such that drilling may be accomplished in one "attempt" without the need for special equipment (rock heads). An "attempt" shall be considered a concerted effort to complete the drilling without completely removing all inserted rods. Contractor will be paid on a "Hourly Drilling Crew and Equipment" basis for the time spent on any unsuccessful drilling attempts.
5. The Contractor must verify all existing utilities that are in the path of the new line placement. Spot holes may be required for both drilling and pulling operations. Contractor must maintain a written log verification of existing underground facilities. A copy of the written log shall be provided to National Fuel upon completion of the work. Contractor shall submit unit prices to provide "spot holes" to locate existing utilities. If spot holes are required in street pavement, the Contractor will be paid on a crew and equipment basis.
6. The applicable pay quantity will be determined as the footage at each drill location (set-up). (3 crossings drilled 45 LF each on the same project would each use the minimum 50 LF price.)
7. Contractor will NOT include company materials in the unit price.
8. Contractor will install tracer wire with all pipe, as well as warning tape over any open excavations.
9. Permanent property restoration will be completed by National Fuel.
10. The cost of making butt-fusions is included in the unit price for installation.

2010 CONTINGENCY PRICES
NEW YORK & PENNSYLVANIA
FOR DISTRIBUTION WORK

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE		MAT'L ALLOW.
			NY	PA	
C-1	Push pipe or tubing (5/8 – 1-1/4" diam.) 15/14 25/23	LF	8.50	8.50	.33
C-2	Push pipe or tubing (2" - 3" diam.)	LF	10.00	10.00	.75
C-3	Push pipe or tubing (4" diam.)	LF	12.00	12.00	2.25
C-4	Hand digging pipe or tubing - up to 4" diam. (Labor only)	LF	11.00	11.00	
C-5	Extra trench depth - mains & services (4" diam. or less)	VF/LF	1.00	1.00	
C-6	Extra trench depth - mains & services (6" - 8" diam.)	VF/LF	1.10	1.10	
C-7	Rock excavation (breaking/blasting)	CY	200.00	200.00	
C-8	Shale/rock excavation (no breaking or blasting required)	CY	35.00	35.00	
C-9	Select granular fill- in place (sand, gravel, stone)	CY	50.00	50.00	
C-10	Temporary asphalt - cold patch (4" depth)	SF	4.00	4.00	
C-11	Topsoil & seed	SF	.60	.60	
C-12	Sod - extra payment (when topsoil & seed was included)	SF	1.00	1.00	
C-13	Sod - complete (when no restoration was included)	SF	1.60	1.60	
C-14	Asphalt - hot mix	SF	6.50	7.00	
C-15	Concrete (walks, drives, aprons, ramps)	SF	6.00	6.50	
C-16	Concrete curbing (18" - 24" diam.)	LF	27.00	27.00	
C-17	Asphalt street replacement	SF	8.50	8.50	
C-18	Asphalt & concrete base street replacement	SF	13.00	13.00	
C-19	Extra depth asphalt (in 2" increments)	SF	1.75	1.75	
C-20	Protection posts – 2" diameter (in concrete, painted) **(PA only)**	EA	N/A	65.00	30.00
C-22	Service Purge & Cut-off (when separate excavation is required) in earth	EA	90.00	90.00	25.00
C-23	Service Purge & Cut-off (when separate excavation is required) in pavement	EA	130.00	130.00	25.00
C-25	Replace service tubing (5/8" – 1-1/4") with no restoration	LF	4.00	4.00	.20
C-26	Replace service tubing (5/8" – 1-1/4") with lawn restoration	LF	6.00	6.00	.20
C-27	Wall bracket for service riser	EA	15.00	15.00	8.50
C-28	Install House Line - Crawl Spaces (up to 1-1/4" Diam.)	LF	10.00	10.00	1.50
C-30	Bell or transition hole in earth	EA	40.00	40.00	
C-31	Bell or transition hole in pavement	EA	120.00	120.00	
C-32	Line markers	EA	37.00	37.00	17.00
C-33	Bell holes requiring shoring (earth or pavement)	EA	320.00	320.00	
C-34	Service tap excavation in pavement (additional payment for removal & disposal)	EA	80.00	80.00	
C-36	Service riser - (change riser only)	EA	160.00	160.00	17.00
C-37	New set - hang meter on new services	EA	40.00	40.00	
C-38	Axial cuts on steel or cast mains - (< 6" diam.) per two circular cuts	LS	100.00	100.00	
C-39	Axial cuts on steel or cast mains - (6" - 8" diam.) per two circular cuts	LS	150.00	150.00	
C-40*	Pigging-on-conversions (up to 8" diam)	LS	400.00	400.00	
C-41	Extra depth - road crossings	CY	55.00	55.00	
C-42*	Emergency move (crew)	EA	100.00	100.00	
C-43*	Saw cutting (asphalt or concrete) up to 6" depth	LF	5.00	5.00	
C-46*	Pressure testing main conversions (2" - 4" diameter)	EA	60.00	60.00	
C-49	Relocating meters with AMD (Automated Meter Reading Device)	EA	35.00	35.00	
C-57*	5/8" EFV Stick	EA	20.00	20.00	15.00
C-58*	1-1/8" EFV Stick	EA	26.00	25.00	22.00
C-59	Electronic marking balls	EA	15.00	15.00	10.00
C-60	Anodes – 17lb.	EA	112.00	112.00	76.00

2010 CONTINGENCY PRICES
NEW YORK & PENNSYLVANIA
FOR DISTRIBUTION WORK

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE		MAT'L ALLOW.
			NY	PA	
C-61	Permasert 90° ELL – 5/8" stab	EA	11.00	11.00	8.30
C-62	Permasert 90° ELL – 1-1/8" stab (58-0092-7)	EA	14.00	14.00	11.00
C-63	Permasert coupling – 1-1/8" stab (58-0054-4)	EA	9.00	9.00	6.00
C-65	Permasert coupling – 5/8" stab (58-0047-1)	EA	7.00	7.00	4.30
C-66	Permasert blind end – 5/8" stab (58-0045-5)	EA	5.00	5.00	2.80
C-67	Permasert blind end – 1-1/8" stab (58-0046-3)	EA	7.50	7.50	5.00
C-68	Protection post – 3" diameter (in concrete, painted) **(PA only)**	EA	N/A	85.00	50.00
C-69	Protection post – 4" diameter (in concrete, painted)	EA	215.00	215.00	54.00
C-70	Furnish plastic casing – 1-1/8" diameter	LF	.27	.26	.24
C-71	Furnish plastic casing – 1-1/4" diameter	LF	.65	.65	.60
C-72	Furnish plastic casing – 2" diameter	LF	1.05	.95	.80
C-73	Crew & equipment rate (3 person crew) non-blanket	HR	175.00	175.00	
C-74	Saw cutting streets – up to 6" depth	LF	5.00	5.00	
C-75	Saw cutting streets – asphalt over concrete base	LF	6.50	6.50	
C-76	Channel post	EA	30.00	30.00	23.00
C-77	Additional 1-1/8" inserted service riser (for houseline)	EA	40.00	40.00	30.00
C-78	Curb valve box – tracer wire	EA	20.00	20.00	10.00
C-79	Curb box test station (flush)	EA	60.00	60.00	30.00
C-80*	1-1/4" electrofusion (in lieu of butt fusion)	EA	27.00	27.00	7.00
C-81*	2" electrofusion (in lieu of butt fusion)	EA	53.00	53.00	8.00
C-82*	3" electrofusion (in lieu of butt fusion)	EA	60.00	59.00	15.00
C-83*	4" electrofusion (in lieu of butt fusion)	EA	67.00	66.00	22.00
C-84*	6" electrofusion (in lieu of butt fusion)	EA	110.00	107.00	54.00
C-85*	8" electrofusion (in lieu of butt fusion)	EA	152.00	152.00	87.00
C-86*	10" electrofusion (in lieu of butt fusion)	EA	275.00	275.00	195.00
C-87	4" protection post (not associated with meter installation)	EA	350.00	350.00	54.00
C-88*	1-1/8" x 1-1/4" reducer for 1-1/4" service	EA	25.00	24.00	23.00
C-89	Pavement removal for main & services 1-100 SF, trenches per excavation location	SF	2.00	2.00	
C-90	Pavement removal for main & services over 100 SF, trenches per excavation location	SF	1.50	1.50	

*** For Blanket Contracts ONLY**

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
CONTINGENCY ITEM DESCRIPTIONS

Contingency Items - General Description

These items have been established to allow payment for items of work, which were not anticipated and/or not included in the scope of work described in any contract. Individual jobs may include the cost of these items in their respective prices, however contingencies will apply in all other cases.

Item No. C-1: ***Push Pipe or Tubing (5/8" - 1-1/4" Diameter)***

This item will apply when it is necessary to push pipe rather than open cut to avoid unnecessary damage to trees, shrubs and pavements when directed by National Fuel. Pay quantities will include a minimum 15 LF for driveways and a minimum of 5 LF for any other surface condition. The price includes furnishing all materials required to complete the work.

Item No. C-2: ***Push Pipe (2" - 3" Diameter)***

Same conditions as Item No. C-1.

Item No. C-3: ***Push Pipe (4" Diameter)***

Same conditions as Item No. C-1.

Item No. C-4: ***Hand Digging Pipe or Tubing (Up to 4" Diameter)***

This item will apply when hand excavation is required to complete the work and could not have been anticipated prior to bid. (Work area is inaccessible to excavating equipment). The price includes furnishing all materials required to complete the work.

Item No. C-5: ***Extra Trench Depth - Mains & Services (4" Diameter or Less)***

This item will apply when the Contractor is directed to exceed the standard depth of bury for placement of main or service piping, unless the extra depth was specified in the bid documents. Payment is calculated at the specified price per linear foot for each full vertical foot of extra depth. This item will not apply to road crossings.

Item No. C-6: ***Extra Trench Depth - (6" to 8" Diameter)***

Same conditions as Item No. C-5.

Item No. C-7: ***Rock Excavation (Breaking Blasting)***

This item will apply when sub-surface conditions require removal by blasting, machine breaking or pneumatic drilling and breaking. Removal and disposal of excavated material is included in this item. Pipe padding and select backfill will be paid to replace the rock excavation material when the rock is not under pavement or for blanket work when required. The cubic yards of rock excavation will be measured by the pipe O.D. plus 12" to determine pay limits of width of rock material removed.

Item No. C-8: ***Shale/Rock Excavation (No Breaking or Blasting Required)***

This item will apply when shale, "hard pan", rock conditions, or other similarly difficult subsurface conditions exist where removal can be accomplished through excavation with a rock bucket or rock teeth or where production is significantly hampered by these conditions. National Fuel will determine if the sub-surface conditions are beyond the anticipated scope of the project before this item will be authorized. Pay limits per cubic yards will be determined as in Item No. C-7.

Item No. C-9: ***Select Granular Fill - In Place (Sand, Gravel Stone)***

This item will apply when pipe padding and granular material is required to complete the Work. The price per cubic yard will be paid for sand; gravel or stone delivered and compacted in place. This price includes removal and disposal of all surplus material. Limits of payment for trench widths will be determined by the standards established in the Procedures Manual. This item will apply when material excavated in earth is deemed unsuitable for backfill of National Fuel facilities. Bid and contingency items for work in pavements include select backfill. If there is an identical bid item provided, the bid item will be used.

Item No. C-10: ***Temporary Asphalt - Cold Patch***

This item applies when National Fuel directs the Contractor to cold patch pavement areas, which are added to the original contract. The Contractor is required to maintain safe pavement surfaces for all areas indicated in the original project documents at his expense. The required depth of cold patch is 4" minimum.

Item No. C-11: ***Topsoil and Seed***

This item will apply when restoration of lawn areas is added to the original Contract conditions and for items bid that exclude permanent lawn restoration. The scope of work will include placement of topsoil (4"), seed, fertilizer and mulch in accordance with the current National Fuel landscape restoration specifications.

Item No. C-12: ***Sod (Additional Payment) When Topsoil and Seed Was Required)***

This item will apply as additional payment when the Contractor is directed to furnish and install rolled sod in lieu of topsoil and seed that was required as part of a bid item. The purpose of this item is to compensate the Contractor for the additional expense of replacing sod instead of topsoil and seed. All work must be performed in accordance with the current National Fuel landscape restoration conditions.

Item No. C-13: ***Sod - Complete (When No Permanent Restoration is Required)***

This item applies when a Contractor is directed to permanently replace lawn areas with rolled sod when the pay items for work performed do not include permanent restoration. All work must be performed in accordance with the current National Fuel landscape restoration conditions.

Item No. C-14: ***Asphalt (Hot Mix)***

This item will apply for replacement of blacktop walks, drives, and parking areas with a minimum of 3" depth to a maximum 4" depth. This will include binder and top compacted and rolled in place in accordance with the current National Fuel restoration conditions for asphalt replacement.

Item No. C-15: ***Concrete (Walks, Drives Aprons, Ramps)***

This item will apply for replacement of concrete minimum 4" up to 6" depth, including wire mesh, expansion and saw cutting. Replacement should be measured to the nearest whole block and all work must be performed in accordance with the current National Fuel restoration conditions for concrete replacement.

Item No. C-16: ***Concrete Curbing (18"-24" Depth)***

This item will apply for replacement of full depth concrete curbing. Curbing sizes will range from 18" - 24" depth (12" depth for "header" curb) and 6" - 9" width.

Item No. C-17: ***Asphalt Street Replacement***

This item will apply for replacement of binder and top course asphalt a minimum of 4" depth to a maximum 6" depth. Traffic protection, saw cutting and surplus removal will be included and all work must be performed in accordance with the current National Fuel restoration conditions for street repair.

Item No. C-18: ***Asphalt and Concrete Base Street***

This item will apply for replacement of streets that have a concrete base with asphalt overlay. All traffic protection, saw cutting, cut backs and steel reinforcing will be included. All work must conform to the specifications and standards of the appropriate municipality as well as the current "Street Repair Conditions" of National Fuel.

Item No. C-19: ***Extra Depth Asphalt (In 2" Increments)***

This item will apply as extra compensation when the depth of the existing asphalt exceeds the maximum depth required in Items No.'s C-14 and C-17 by at least 2". The Contractor will be paid this price per square foot for every full 2" of additional depth. (e.g., a 10" depth street repair of Item No. C-17 would allow two increments of this price - 10" - 6" required = 4" / 2 incr. =2).

Item No. C-20: ***Protection Posts – 2" Diameter (In Concrete/Painted) (PA only)***

This item will apply to the installation of protection posts, 2" diameter. All post must be secured in concrete and filled with select material or concrete. The top of the post should be grouted with a smooth finish and the post will be painted. Posts must be plumb and secured firmly in place. Posts shall be painted meter gray (posts in commercial areas may be required to be painted with a reflective color as directed by NFG). The price includes furnishing all materials required to complete the Work.

Item No. C-22: ***Service Purge and Cut-Off in Earth***

This item will apply when the Contractor is required to abandon the existing service and that service is in a location other than the bell hole for the new service tap. This item will be paid only when it is necessary to excavate to complete the cut-off. It will include cutting the service at the main, removing the old curb box, plugging the service from inside the building (two plugs), and capping the end of the old service inside (restoration not included). The price includes furnishing all materials required to complete the work.

Item No. C-23: ***Service Purge and Cut-Off in Pavement***

This item will apply when the old service is in pavement (other than streets) and will include select backfill. Scope of the work is the same as Item No. C-22. Permanent pavement restoration will be paid under the appropriate contingency items (restoration not included). The price includes furnishing all materials required to complete the work.

Item No. C-25: ***Replace Service Tubing (5/8" - 1-1/4") No Restoration***

This item will apply for direct bury of plastic services when insertion is not recommended as directed by National Fuel. This item will not apply when a Contractor chooses to direct bury when inserting is allowable. This includes installing the main connections. This item will also be used for underground downstream houseline Permanent restoration is not included but the excavation must be compacted and left level. The price includes furnishing all materials required to complete the work.

Item No. C-26: ***Replace Service Tubing (5/8" - 1/4") Includes Lawn Restoration***

This item will apply the same as Item No. C-25 but will include topsoil and seed lawn restoration. The price includes furnishing all materials required to complete the work.

Item No. C-27: ***Additional Wall Brackets (Per Each)***

This item will apply for furnishing and installing additional wall brackets (Item No. 36-0006-8). This compensates the contractor for each additional bracket installed. In NY, one wall bracket is required on every riser. In PA, a wall bracket is only required on new services (not renewals). In NY, this item will be paid for wall brackets in addition the one required and in PA, it will be paid for any renewal brackets and any additional brackets on new services The price includes furnishing all materials required to complete the work.

Item No. C-28: ***Install Houseline - Crawl Spaces (up to 1-1/4" Diameter)***

Same as Item No. C-27 except this item will apply to the linear feet of piping installed through crawl space areas. A crawl space is considered to be an area with a 48" or less vertical opening. The price includes furnishing all materials required to complete the work. The contractor has the option of using their houseline bid item in lieu of this item, if they so choose.

Item No. C-29: ***Fitter Time (Hourly Per Person)***

This item will apply per labor hour for the time required to perform work that is not included in the scope of the bid items or other contingencies. This rate will include a one-person crew with hand tools. (House lines larger than 1-1/2" diameter, removing paneling or ceiling tiles, etc., prior to houseline placement.)

Item No. C-30: ***Bell or Transition Hole - In Earth (6'W X 4'L X 4'D) Mains and Services***

This item will apply to bell hole excavations that are required to complete the work beyond the scope of excavation anticipated and included in the bid items. Service renewals will include two (2) bell holes - additional holes will be paid under this item (restoration not included).

Item No. C-31: ***Bell or Transition Hole - In Pavement (6'W X 4'L X 4'D) Mains and Services***

Same conditions as Item No. C-30 for excavations in concrete or blacktop. Note: Select backfill is included in this item (restoration and pavement removal items not included).

Item No. C-32: ***Line Marker (Per Each)***

The contractor will be compensated to furnish and install each line marker (Item 59-0080-8) at locations as directed by National Fuel.

Item No. C-33: ***Bell Holes Requiring Shoring - In Earth or Pavement***

This item will apply as payment for holes that require shoring (over 5' deep) where the additional depth is required to accommodate existing facilities. Approved shoring methods will be required. Excavation and backfill is included. This item will be paid in addition to item Nos. C-30, C-31, or C-32. Excavations in earth which are "stepped-back" but not shored, will be paid Item Nos. C-5 or C-6 for the length of the excavation.

Item No. C-34: ***Service Tap Excavation in Pavement (Additional Payment for Removal & Disposal)***

This item will apply as compensation for the additional expense incurred when cutting, breaking and removing concrete, asphalt, brick, or other hard surface material in order to facilitate a new or existing service connection to the main when the locations of the service connections are unknown prior to bidding the work. Select backfill is included in this item (restoration not included).

Item No. C-36: ***Service Riser - Change Riser Only***

This item will apply when converting an existing plastic service where the existing riser requires replacement. The price includes excavating, removal, and disposal of the existing riser, installing the new riser, and backfill. If the area is paved, select fill and pavement replacement will be paid as per the appropriate contingency items. The price includes furnishing all materials required to complete the work.

Item No. C-37: ***New Set (Hang Meter on New Services)***

This item will apply to place the meter on a new service installation. The Contractor will test the regulator, place the meter, test the houseline (if it is in place), cap the houseline, then turn-off the riser valve and complete the paperwork. No lighting of appliances or connection to appliances is required. This work applies when performed at the same time as the service installation.

Item No. C-38: ***Axial Cuts on Steel or Cast Mains - (4" Diameter or Less)***

This item will apply when the Blanket Contractor is required to tap an inserted main for a new or renewal service connection. The Contractor will be paid this item one time for each separate service connection. National Fuel will furnish the cutters; however, it is recommended that Contractors provide their own cutters to avoid possible delays. National Fuel will not provide additional compensation for any down time while waiting for equipment to complete the work.

Item No. C-39: ***Axial Cuts on Steel or Cast Mains - (6" - 8")***

Same conditions as Item C-38.

Item No. C-40: ***Pigging-on-Conversions***

This item will apply when the Contractor is converting an existing main to a higher pressure. The Contractor will place a test fitting on one end (either mechanical or fusion type) and a pig catcher on the other end. The pig will be blown through two times to clear any water or obstruction. The test end and retriever ends will then be removed. The price paid for this work will include mains up to 8" diameter, and will be paid lump sum for each pigging operation completed.

Item No. C-41: ***Extra Depth - Pavement***

This item will apply when the Contractor is required to direct bury pipe at depths in excess of the depth indicated in the original contract documents, or shown in the original survey. This price includes excavation, surplus removal, pipe bedding and select backfill.

Item No. C-42: ***Emergency Move (Crew)***

The Contractor will be reimbursed this item each time the crew is directed to move from one location to another at the request of National Fuel without first completing their work at that location. Contractors will also be entitled to payment when the Contractor has been dispatched work which was already completed by others, or for which the dispatched work is deemed unnecessary.

Item No. C-43: ***Saw Cutting (Asphalt or Concrete)***

This item will be paid when the Contractor is specifically directed by National Fuel to saw cut pavement beyond the work limits or pay limits of another item. That is, if saw cutting is not specifically required by municipal specifications or by National Fuel specifications, the Contractor would be paid this item when directed to do so. It also applies when approved by National Fuel to minimize restoration expense that would be charged to National Fuel.

Item No. C-44: ***Pavement Removal - Mains and Service Trenches***

This item applies when the Blanket Contractor is required to trench in concrete or asphalt. The Contractor will be paid per square foot for excavation, removal and disposal of hard surface pavement for trenches or bell holes.

Item No. C-45: ***Crew and Equipment Rate (2 Person Crew) Non-blanket***

This item will apply for work, which is beyond the scope of any other bid items or contingency items. Payment will be based on an hourly rate for manpower and equipment (includes trucking, tools, excavator, generator, compressor, etc.). For each additional crew member in excess of two (2), the "Fitter" rate (Contingency Item No. C-29) at $38.00 per hour will be added to this rate if an appropriate bid item is not provided. (e.g., 3 man crew = $130.00 + $38.00 = $168.00).

Item No. C-46: ***Pressure Testing Main Conversions (2" - 4" Diameter)***

This item will apply when National Fuel decides that a one-half (1/2) hour pressure test will be required prior to conversion of an existing main. The Contractor will be paid per each test fitting or end cap. This will include installing and removing the test ends or caps.

Item No. C-49: ***Relocating Meters with AMD (Automated Meter Reading Device)***

This item will apply when the Contractor relocates a meter from inside to outside and is told to re-install the AMD. (This is most common in Erie, PA.) The Contractor shall run new phone cable from our existing inside NID box, and relocate that NID box outside on the building wall and extend the line to the new meter location outside. The Contractor then will make the necessary connections, remove and relocate the AMD box to the outside meter, change battery (if necessary), test call, re-sync the unit and verify the call with the office. The old meter, if changed, must be marked "AMD" to avoid suspicion of tampering.

Item No. C-57: ***Install 5/8" EFV "Stick"***

The contractor will be paid to furnish and install each 5/8" EFV stick when not specified in another bid item.

Item No. C-58: ***Install 1-1/8" EFV "Stick"***

The contractor will be paid to furnish and install each 1-1/8" EFV stick when not specified in another bid item. Blanket contractors are entitled to this item, if required, when installing a 1-1/8" medium pressure service on all new and renewal services.

Item No. C-59: ***Electronic Marking Balls (Per Each)***

The contractor will be compensated to furnish and install each marker ball per Section 2.1, pg. 12 of the Procedures Manual. They shall be installed over the piping system component at approximately 12" below the ground surface. E-balls shall be installed at locations indicated on the project plans, or as directed by National Fuel.

Item No. C-60: ***Anodes (Per Each)***

The contractor will be compensated to furnish and install each 17# anode (Item 53-0005-3) at locations as directed by National Fuel.

Item No. C-61: ***Permasert 90° ELL – 5/8" Stab***

The contractor will be compensated to furnish and install each 5/8" diameter 90° ELL (Item 58-0394-2) as required to complete the work. A sketch shall be provided on the service order form when using offsets.

Item No. C-62: ***Permasert 90° ELL – 1-1/8" Stab***

The contractor will be compensated to furnish and install each 1-1/8" diameter 90° ELL (Item #58-0092-7) as required to complete the work. A sketch shall be provided on the service order form when using offsets.

Item No. C-63: ***Permasert Coupling – 1-1/8" Stab***

The contractor will be compensated to furnish and install each 1-1/8" diameter Permasert stab coupling (Item 58-0054-4) as required to complete the work

Item No. C-64: ***Permasert Reducer – 1-1/8" x 5/8" Stab***

The contractor will be compensated to furnish and install each 1-1/8" x 5/8" Permasert reducer (Item 58-0049-8) as required to complete the work.

Item No. C-65: ***Permasert Coupling – 5/8" Stab***

The contractor will be compensated to furnish and install each 5/8" Permasert coupling (Item 58-0047-1) as required to complete the work.

Item No. C-66: ***Permasert Blind End – 5/8" Stab***

The contractor will be compensated to furnish and install each 5/8" Permasert blind end (Item 58-0045-5) as required to complete the work.

Item No. C-67: ***Permasert Blind End 1-1/8" Stab***

The contractor will be compensated to furnish and install each 1-1/8" Permasert blind end (Item 58-0046-3) as required to complete the work.

Item No. C-68: ***Protection Post – 3" Diameter (in Concrete, Painted) (PA only)***

Same conditions as Item No. C-20 for 3" diameter.

Item No. C-69: ***Protection Post – 4" Diameter (in concrete, painted) when associated with a meter installation.***

Same conditions as Item No. C-20 for 4" diameter.

Item No. C-70: ***Furnish Plastic Casing – 1-1/8" Diameter***

Contractor will be compensated to furnish and install plastic casing.

Item No. C-71: ***Furnish Plastic Casing – 1-1/4" Diameter***

Same conditions as Item No. C-70.

Item No. C-72: ***Furnish Plastic Casing – 2" Diameter***

Same conditions as Item No. C-70.

Item No. C-73: ***Crew and Equipment Rate (3 Person Crew) Non-blanket***

Same as Item No. C-45, with an additional person.

Item No. C-74: ***Saw Cutting Streets – Up to 6" Depth***

This item will be paid when the Contractor is specifically directed by National Fuel to saw cut a street as part of the municipal requirements when there is no unit price bid item that includes this cost in the scope of the work for that pay item. (Note: C-17 and C-18 already include the cost of the final saw cutting in those items.)

Item No. C-75: ***Saw Cutting Streets – Asphalt over Concrete Base***

Same conditions as Item No. C-74.

Item No. C-76: ***Channel Post for Meters***

The Contractor will be paid this item (#3600475) when installing a channel post support.

Item No. C-77: ***1-1/8" Inserted Service Riser***

The Contractor will be paid this item to furnish and install an additional riser to accommodate downstream houseline.

Item No. C-78: ***Furnish and Install Curb Valve Box for Tracer Wire***

The Contractor will be paid this item when National Fuel requires the installation of a service valve box (and extension #5500796) for the purpose of tracer wire access (item 5500273).

Item No. C-79: ***Furnish and Install Curb Box Test Station***

The Contractor will be paid this item when National Fuel requires the installation of a service valve box and extension for corrosion testing. This work includes cad-welding test wire leads to the main and protecting the connection.

Item No. C-80: ***1-1/4" Electrofusion (in lieu of butt fusion)***

This item applies for blanket contractors for the additional cost to electrofuse where an electrofusion is required because the pipe cannot be butt-fused when the pipe is in an excavation. This is valid on occasions where the interruptions in the installation cannot be anticipated at the time of bid. (e.g. installing main in a developed area and stopping short of a drive or roadway where the hole must be covered and/or backfilled and there is no room to leave excess pipe extending above ground).

Item No. C-81: ***2" Electrofusion (in lieu of butt fusion)***

Same conditions as Item No. C-80

Item No. C-82: ***3" Electrofusion (in lieu of butt fusion)***

Same conditions as Item No. C-80

Item No. C-83: ***4" Electrofusion (in lieu of butt fusion)***

Same conditions as Item No. C-80

Item No. C-84: ***6" Electrofusion (in lieu of butt fusion)***

Same conditions as Item No. C-80

Item No. C-85: ***8" Electrofusion (in lieu of butt fusion)***

Same conditions as Item No. C-80

Item No. C-86: ***10" Electrofusion (in lieu of butt fusion)***

Same conditions as Item No. C-80

Item No. C-87: ***4" Protection Post (not associated with meter installation)***

This is for work NOT associated with the installation of a meter. NFG will pay for up to TWO posts per location. Any additional posts furnished and installed, at the same location and at the same time, would be paid using contingency C-69

Item No. C-88: ***1-1/8" x 1-1/4" Reducer for 1-1/4" services***

This item applies for blanket pipeline work when connecting a main for a 1-1/4" service using a 1-1/8" main connector.

Item No. C-89: ***Pavement Removal for Mains and Services Trenchless (1-100 sq. ft.)***

This item applies to excavating and removing pavement (concrete, asphalt) for a mainline or service pipe trench when that cost is not specifically included in any other bid item. The increment quantity (1-100 SF) applies to each continuous area on a job site.

Item No. C-90: ***Pavement Removal for Mains and Services Trenchless (over 100 sq. ft.)***

Same conditions as Item No. C-89.