

GAS ITEMS

ITEM	ITEM SHORT DESCRIPTION	UNITS	ITEM LONG DESCRIPTION	FOOTNOTES TO THE ITEM TO BE SHOWN ON PLANS/SPECS (NUMBERED FOOTNOTES LOCATED AT BOTTOM OF THIS ITEM LIST)
791-01.01	<2IN STEEL GAS MAIN	L.F.	<2IN STEEL GAS MAIN	1
791-01.02	2IN STEEL GAS MAIN	L.F.	2IN STEEL GAS MAIN	1
791-01.03	3IN STEEL GAS MAIN	L.F.	3IN STEEL GAS MAIN	1
791-01.04	4IN STEEL GAS MAIN	L.F.	4IN STEEL GAS MAIN	1
791-01.05	6IN STEEL GAS MAIN	L.F.	6IN STEEL GAS MAIN	1
791-01.06	8IN STEEL GAS MAIN	L.F.	8IN STEEL GAS MAIN	1
791-01.07	10IN STEEL GAS MAIN	L.F.	10IN STEEL GAS MAIN	1
791-01.08	12IN STEEL GAS MAIN	L.F.	12IN STEEL GAS MAIN	1
791-01.09	__IN STEEL GAS MAIN	L.F.	__IN STEEL GAS MAIN	1
791-01.10	12IN OPEN CUT STEEL CASING PIPE	L.F.	12IN OPEN CUT STEEL CASING PIPE	1
791-01.11	6IN PVC CASING OPEN CUT	L.F.	6IN PVC CASING OPEN CUT	
791-01.12	8IN PVC CASING OPEN CUT	L.F.	8IN PVC CASING OPEN CUT	1
791-01.20	8IN HIGH PRESSURE STEEL GAS MAIN	L.F.		
791-01.21	8IN PWRCRETE COATED HP STL GAS MN- OPEN CUT	L.F.		
791-01.22	8IN POWERCRETE CTD HP STL GAS MN-DIR DRILL	L.F.		
791-01.23	2IN POWERCRETE COATED STL GAS MAIN-OPEN CUT	L.F.		
791-01.24	2IN POWERCRETE CTD STL GAS MN- DIR DRILL	L.F.		
791-01.25	3IN PWRCRETE CTD STL GAS MN-OPN CUT	L.F.	3IN PWRCRETE CTD STL GAS MN-OPN CUT	
791-01.26	4IN PWRCRETE CTD STL GAS MN-OPN CUT	L.F.	4IN PWRCRETE CTD STL GAS MN-OPN CUT	
791-01.27	6IN PWRCRETE STL GAS MN- HDD ROCK	L.F.	6IN PWRCRETE STL GAS MN- HDD ROCK	
791-02.01	<2IN MDPE GAS MAIN	L.F.	<2IN MEDIUM-DENSITY POLYETHYLENE GAS MAIN	1
791-02.02	2IN MDPE GAS MAIN	L.F.	2IN MEDIUM-DENSITY POLYETHYLENE GAS MAIN	1
791-02.03	3IN MDPE GAS MAIN	L.F.	3IN MEDIUM-DENSITY POLYETHYLENE GAS MAIN	1
791-02.04	4IN MDPE GAS MAIN	L.F.	4IN MEDIUM-DENSITY POLYETHYLENE GAS MAIN	1
791-02.05	6IN MDPE GAS MAIN	L.F.	6IN MEDIUM-DENSITY POLYETHYLENE GAS MAIN	1
791-02.06	8IN MDPE GAS MAIN	L.F.	8IN MEDIUM-DENSITY POLYETHYLENE GAS MAIN	1
791-02.07	10IN MDPE GAS MAIN	L.F.	10IN MEDIUM-DENSITY POLYETHYLENE GAS MAIN	1
791-02.08	12IN MDPE GAS MAIN	L.F.	12IN MEDIUM-DENSITY POLYETHYLENE GAS MAIN	1
791-02.09	__IN MDPE GAS MAIN	L.F.	__IN MEDIUM-DENSITY POLYETHYLENE GAS MAIN	1
791-03.01	<2IN HDPE GAS MAIN	L.F.	<2IN HIGH-DENSITY POLYETHYLENE GAS MAIN	1
791-03.02	2IN HDPE GAS MAIN	L.F.	2IN HIGH-DENSITY POLYETHYLENE GAS MAIN	1
791-03.03	3IN HDPE GAS MAIN	L.F.	3IN HIGH-DENSITY POLYETHYLENE GAS MAIN	1
791-03.04	4IN HDPE GAS MAIN	L.F.	4IN HIGH-DENSITY POLYETHYLENE GAS MAIN	1
791-03.05	6IN HDPE GAS MAIN	L.F.	6IN HIGH-DENSITY POLYETHYLENE GAS MAIN	1
791-03.06	8IN HDPE GAS MAIN	L.F.	8IN HIGH-DENSITY POLYETHYLENE GAS MAIN	1
791-03.07	10IN HDPE GAS MAIN	L.F.	10IN HIGH-DENSITY POLYETHYLENE GAS MAIN	1
791-03.08	12IN HDPE GAS MAIN	L.F.	12IN HIGH-DENSITY POLYETHYLENE GAS MAIN	1
791-03.09	__IN HDPE GAS MAIN	L.F.	__IN HIGH-DENSITY POLYETHYLENE GAS MAIN	1
791-03.10	__IN HDPE GAS MAIN	L.F.	__IN HDPE GAS MAIN	1
791-03.11	2IN HDPE GAS MAIN (4-7 FT)	L.F.	2IN HDPE GAS MAIN (4-7 FT)	
791-03.12	2IN HDPE GAS MAIN (7-9 FT)	L.F.	2IN HDPE GAS MAIN (7-9 FT)	
791-03.13	2IN HDPE GAS MAIN (9-11 FT)	L.F.	2IN HDPE GAS MAIN (9-11 FT)	
791-03.14	4IN HDPE GAS MAIN (4-7 FT)	L.F.	4IN MDPE GAS MAIN (4-7 FT)	
791-03.15	8IN HDPE GAS MAIN (4-7 FT)	L.F.	8IN HDPE GAS MAIN (4-7 FT)	
791-03.16	8IN HDPE GAS MAIN (7-9 FT)	L.F.	8IN HDPE GAS MAIN (7-9 FT)	
791-03.17	8IN HDPE GAS MAIN (9-11 FT)	L.F.	8IN HDPE GAS MAIN (9-11 FT)	
791-04.01	HDD <2IN PE PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL <2IN POLYETHYLENE PIPE- UNCONSOLIDATED	2

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791-04.02	HDD 2IN PE PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 2IN POLYETHYLENE PIPE-UNCONSOLIDATED	2
791-04.03	HDD 3IN PE PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 3IN POLYETHYLENE PIPE-UNCONSOLIDATED	2
791-04.04	HDD 4IN PE PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 4IN POLYETHYLENE PIPE-UNCONSOLIDATED	2
791-04.05	HDD 6IN PE PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 6IN POLYETHYLENE PIPE-UNCONSOLIDATED	2
791-04.06	HDD 8IN PE PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 8IN POLYETHYLENE PIPE-UNCONSOLIDATED	2
791-04.07	HDD 12IN PE PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 12IN POLYETHYLENE PIPE-UNCONSOLIDATED	2
791-04.08	HDD 16IN PE PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 16IN POLYETHYLENE PIPE-UNCONSOLIDATED	2
791-04.09	HDD __IN PE PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL __IN - POLYETHYLENE PIPE UNCONSOLIDATED (SPECIFY SIZE)	2
791-04.10	HDD <2IN PE PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL <2IN POLYETHYLENE PIPE-ROCK	2
791-04.11	HDD 2IN PE PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 2IN POLYETHYLENE PIPE-ROCK	2
791-04.12	HDD 3IN PE PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 3IN POLYETHYLENE PIPE-ROCK	2
791-04.13	HDD 4IN PE PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 4IN POLYETHYLENE PIPE-ROCK	2
791-04.14	HDD 6IN PE PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 6IN POLYETHYLENE PIPE-ROCK	2
791-04.15	HDD 8IN PE PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 8IN POLYETHYLENE PIPE-ROCK	2
791-04.16	HDD 12IN PE PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 12IN POLYETHYLENE PIPE-ROCK	2
791-04.17	HDD 16IN PE PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 16IN POLYETHYLENE PIPE-ROCK	2
791-04.18	HDD __IN PE PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL __IN - POLYETHYLENE PIPE ROCK (SPECIFY SIZE)	2
791-04.19	HDD <2IN STEEL PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL <2IN STEEL PIPE-UNCONSOLIDATED	2
791-04.20	HDD 2IN STEEL PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 2IN STEEL PIPE-UNCONSOLIDATED	2
791-04.21	HDD 3IN STEEL PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 3IN STEEL PIPE-UNCONSOLIDATED	2
791-04.22	HDD 4IN STEEL PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 4IN STEEL PIPE-UNCONSOLIDATED	2
791-04.23	HDD 6IN STEEL PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 6IN STEEL PIPE-UNCONSOLIDATED	2
791-04.24	HDD 8IN STEEL PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 8IN STEEL PIPE-UNCONSOLIDATED	2
791-04.25	HDD 12IN STEEL PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 12IN STEEL PIPE-UNCONSOLIDATED	2

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791-04.26	HDD 16IN STEEL PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL 16IN STEEL PIPE- UNCONSOLIDATED	2
791-04.27	HDD __IN STEEL PIPE - UNCONSOLIDATED	L.F.	HORIZONTAL DIRECTIONAL DRILL __IN - STEEL PIPE UNCONSOLIDATED (SPECIFY SIZE)	2
791-04.28	HDD <2IN STEEL PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL <2IN STEEL PIPE- ROCK	2
791-04.29	HDD 2IN STEEL PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 2IN STEEL PIPE- ROCK	2
791-04.30	HDD 3IN STEEL PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 3IN STEEL PIPE- ROCK	2
791-04.31	HDD 4IN STEEL PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 4IN STEEL PIPE- ROCK	2
791-04.32	HDD 6IN STEEL PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 6IN STEEL PIPE- ROCK	2
791-04.33	HDD 8IN STEEL PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 8IN STEEL PIPE- ROCK	2
791-04.34	HDD 12IN STEEL PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 12IN STEEL PIPE- ROCK	2
791-04.35	HDD 16IN STEEL PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL 16IN STEEL PIPE- ROCK	2
791-04.36	HDD __IN STEEL PIPE - ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILL __IN - STEEL PIPE ROCK (SPECIFY SIZE)	2
791-05.01	BORE/JACK 4IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 4IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.02	BORE/JACK 6IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 6IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.03	BORE/JACK 8IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 8IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.04	BORE/JACK 12IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 12IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.05	BORE/JACK 16IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 16IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.06	BORE/JACK 18IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 18IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.07	BORE/JACK __IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK __IN STEEL CASING PIPE - UNCONSOLIDATED (SPECIFY SIZE)	3
791-05.08	BORE/JACK 4IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 4IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.09	BORE/JACK 6IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 6IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.10	BORE/JACK 8IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 8IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.11	BORE/JACK 12IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 12IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.12	BORE/JACK 16IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 16IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.13	BORE/JACK 18IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK 18IN - STEEL CASING PIPE - UNCONSOLIDATED	3
791-05.14	BORE/JACK __IN - STEEL CASING PIPE - UNCON.	L.F.	BORE/JACK __IN - STEEL CASING PIPE - UNCONSOLIDATED (SPECIFY SIZE)	3
791-05.15	BORE/JACK 2IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 2IN - STEEL CASING PIPE - ROCK	
791-05.16	BORE/JACK 3IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 3IN - STEEL CASING PIPE - ROCK	
791-05.17	BORE/JACK 4IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 4IN - STEEL CASING PIPE - ROCK	
791-05.18	BORE/JACK 6IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 6IN - STEEL CASING PIPE - ROCK	
791-05.19	BORE/JACK 8IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 8IN - STEEL CASING PIPE - ROCK	
791-05.20	BORE/JACK 10IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 10IN - STEEL CASING PIPE - ROCK	
791-05.21	BORE/JACK 12IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 12IN - STEEL CASING PIPE - ROCK	
791-05.22	BORE/JACK 14IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 14IN - STEEL CASING PIPE - ROCK	
791-05.23	BORE/JACK 16IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 16IN - STEEL CASING PIPE - ROCK	
791-05.24	BORE/JACK 18IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 18IN - STEEL CASING PIPE - ROCK	
791-05.25	BORE/JACK 20IN - STEEL CSNG PIPE - ROCK	L.F.	BORE/JACK 20IN - STEEL CASING PIPE - ROCK	
791-05.31	4IN STEEL CASING PIPE OPEN CUT	L.F.	4IN STEEL CASING PIPE OPEN CUT	
791-05.40	BORE/JACK 6IN - PVC CASING PIPE	L.F.	BORE/JACK 6IN - PVC CASING PIPE	
791-05.44	BORE/JACK 6IN - STEEL CARRIER PIPE	L.F.	BORE/JACK 6IN - STEEL CARRIER PIPE	
791-05.51	4IN STEEL CASING OPEN CUT	L.F.	4IN STEEL CASING OPEN CUT	
791-05.52	6IN STEEL CASING OPEN CUT	L.F.	6IN STEEL CASING OPEN CUT	
791-05.53	8IN STEEL CASING OPEN CUT	L.F.	8IN STEEL CASING OPEN CUT	
791-05.54	10IN STEEL CASING OPEN CUT	L.F.	10IN STEEL CASING OPEN CUT	
791-05.55	12IN STEEL CASING OPEN CUT	L.F.	12IN STEEL CASING OPEN CUT	

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791-05.58	16IN STEEL CASING OPEN CUT	L.F.	16IN STEEL CASING OPEN CUT	
791-05.59	24IN STEEL CASING OPEN CUT	L.F.	24IN STEEL CASING OPEN CUT	
791-05.73	12IN STEEL CASING	L.F.	12IN STEEL CASING	
791-05.76	6IN STEEL CASING	L.F.	6IN STEEL CASING	
791-06.01	CONNECT TO 1-1/4IN EX. PE MAIN	EACH	CONNECT TO 1-1/4IN EXISTING POLYETHYLENE MAIN	4
791-06.02	CONNECT TO 2IN EX. PE MAIN	EACH	CONNECT TO 2IN EXISTING POLYETHYLENE MAIN	4
791-06.03	CONNECT TO 4IN EX. PE MAIN	EACH	CONNECT TO 4IN EXISTING POLYETHYLENE MAIN	4
791-06.04	CONNECT TO 6IN EX. PE MAIN	EACH	CONNECT TO 6IN EXISTING STEEL MAIN	4
791-06.05	CONNECT TO 8IN EX. PE MAIN	EACH	CONNECT TO 8IN EXISTING POLYETHYLENE MAIN	4
791-06.06	CONNECT TO 12IN EX. PE MAIN	EACH	CONNECT TO 12IN EXISTING POLYETHYLENE MAIN	4
791-06.07	CONNECT TO 16IN EX. PE MAIN	EACH	CONNECT TO 16IN EXISTING POLYETHYLENE MAIN	4
791-06.08	CONNECT TO 18IN EX. PE MAIN	EACH	CONNECT TO 18IN EXISTING POLYETHYLENE MAIN	4
791-06.09	CONNECT TO __ IN EX. PE MAIN	EACH	CONNECT TO __ IN EXISTING POLYETHYLENE MAIN	4
791-06.10	CONNECT TO 2IN EX. STL MAIN	EACH	CONNECT TO 2IN EXISTING STEEL MAIN	4
791-06.11	CONNECT TO 4IN EX. STL MAIN	EACH	CONNECT TO 4IN EXISTING STEEL MAIN	4
791-06.12	CONNECT TO 6IN EX. STL MAIN	EACH	CONNECT TO 6IN EXISTING STEEL MAIN	4
791-06.13	CONNECT TO 8IN EX. STL MAIN	EACH	CONNECT TO 8IN EXISTING STEEL MAIN	4
791-06.14	CONNECT TO 12IN EX. STL MAIN	EACH	CONNECT TO 12IN EXISTING STEEL MAIN	4
791-06.15	CONNECT TO 16IN EX. STL MAIN	EACH	CONNECT TO 16IN EXISTING STEEL MAIN	4
791-06.16	CONNECT TO 18IN EX. STL MAIN	EACH	CONNECT TO 18IN EXISTING STEEL MAIN	4
791-06.17	CONNECT TO __ IN EX. STL MAIN	EACH	CONNECT TO __ IN EXISTING STEEL MAIN	4
791-06.18	CONNECT TO 4IN EX. CI/DI MAIN	EACH	CONNECT TO 4IN EXISTING CAST IRON/DUCTILE IRON MAIN	4
791-06.19	CONNECT TO 6IN EX. CI/DI MAIN	EACH	CONNECT TO 6IN EXISTING CAST IRON/DUCTILE IRON MAIN	4
791-06.20	CONNECT TO 8IN EX. CI/DI MAIN	EACH	CONNECT TO 8IN EXISTING CAST IRON/DUCTILE IRON MAIN	4
791-06.21	CONNECT TO __ IN EX. CI/DI MAIN	EACH	CONNECT TO __ IN EXISTING CAST IRON/DUCTILE IRON MAIN	4
791-06.31	CONNECT TO 2IN EX. STL MAIN W/ STOPPLE	EACH	CONNECT TO 2IN EXISTING STEEL MAIN WITH STOPPLE	4
791-06.32	CONNECT TO 4IN EX. STL MAIN W/ STOPPLE	EACH	CONNECT TO 4IN EXISTING STEEL MAIN WITH STOPPLE	4
791-06.33	CONNECT TO 6IN EX. STL MAIN W/ STOPPLE	EACH	CONNECT TO 6IN EXISTING STEEL MAIN WITH STOPPLE	4
791-06.34	CONNECT TO 8IN EX. STL MAIN W/ STOPPLE	EACH	CONNECT TO 8IN EXISTING STEEL MAIN WITH STOPPLE	4
791-06.35	CONNECT TO 12IN EX. STL MAIN W/ STOPPLE	EACH	CONNECT TO 12IN EXISTING STEEL MAIN WITH STOPPLE	4
791-06.36	CONNECT TO 16IN EX. STL MAIN W/ STOPPLE	EACH	CONNECT TO 16IN EXISTING STEEL MAIN WITH STOPPLE	4
791-06.37	CONNECT TO 18IN EX. STL MAIN W/ STOPPLE	EACH	CONNECT TO 18IN EXISTING STEEL MAIN WITH STOPPLE	4
791-06.38	CONNECT TO __ IN EX. STL MAIN W/ STOPPLE	EACH	CONNECT TO __ IN EXISTING STEEL MAIN WITH STOPPLE	4
791-06.39	CONNECT TO 4IN EX. CI/DI MAIN W/ STOPPLE	EACH	CONNECT TO 4IN EXISTING CAST IRON/DUCTILE IRON MAIN WITH STOPPLE	4
791-06.40	CONNECT TO 6IN EX. CI/DI MAIN W/ STOPPLE	EACH	CONNECT TO 6IN EXISTING CAST IRON/DUCTILE IRON MAIN WITH STOPPLE	4
791-06.41	CONNECT TO 8IN EX. CI/DI MAIN W/ STOPPLE	EACH	CONNECT TO 8IN EXISTING CAST IRON/DUCTILE IRON MAIN WITH STOPPLE	4
791-06.42	CONNECT TO __ IN EX. CI/DI MAIN W/ STOPPLE	EACH	CONNECT TO __ IN EXISTING CAST IRON/DUCTILE IRON MAIN WITH STOPPLE	4
791-06.43	CONNECT TO 3IN EX PE MAIN	EACH	CONNECT TO 3IN EX PE MAIN	4
791-06.44	CONNECT TO 3/4IN EX. STL MAIN W/STOPPLE	EACH	CONNECT TO 3/4IN EX. STL MAIN W/STOPPLE	4
791-06.45	CONNECT TO 1IN EX. STL MAIN W/STOPPLE	EACH	CONNECT TO 1IN EX. STL MAIN W/STOPPLE	4
791-06.46	CONNECT TO 2-1/2IN EX. STL MAIN W/STOPPLE	EACH	CONNECT TO 2-1/2IN EX. STL MAIN W/STOPPLE	4

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791-06.47	CONNECT TO 3/4IN EX. PE MAIN	EACH	CONNECT TO 3/4IN EX. PE MAIN	4
791-06.48	CONNECT TO 3/4IN EX. STEEL MAIN	EACH	CONNECT TO 3/4IN EX. STEEL MAIN	4
791-06.51	2IN PE HOT TAP CONNECTION	EACH	2IN PE HOT TAP CONNECTION	4
791-06.52	4IN PE HOT TAP CONNECTION	EACH	4IN PE HOT TAP CONNECTION	4
791-06.53	3IN PE HOT TAP CONNECTION	EACH	3IN PE HOT TAP CONNECTION	4
791-07.01	2IN PE GAS VALVE ASSEMBLY	EACH	2IN PE GAS VALVE ASSEMBLY	5
791-07.02	4IN PE GAS VALVE ASSEMBLY	EACH	4IN PE GAS VALVE ASSEMBLY	5
791-07.03	6IN PE GAS VALVE ASSEMBLY	EACH	6IN PE GAS VALVE ASSEMBLY	5
791-07.04	8IN PE GAS VALVE ASSEMBLY	EACH	8IN PE GAS VALVE ASSEMBLY	5
791-07.05	12IN PE GAS VALVE ASSEMBLY	EACH	12IN PE GAS VALVE ASSEMBLY	5
791-07.06	16IN PE GAS VALVE ASSEMBLY	EACH	16IN PE GAS VALVE ASSEMBLY	5
791-07.07	18IN PE GAS VALVE ASSEMBLY	EACH	18IN PE GAS VALVE ASSEMBLY	5
791-07.08	___ IN PE GAS VALVE ASSEMBLY	EACH	___ IN PE GAS VALVE ASSEMBLY	5
791-07.09	2IN STEEL GAS VALVE ASSEMBLY	EACH	2IN STEEL GAS VALVE ASSEMBLY	5
791-07.10	4IN STEEL GAS VALVE ASSEMBLY	EACH	4IN STEEL GAS VALVE ASSEMBLY	5
791-07.11	6IN STEEL GAS VALVE ASSEMBLY	EACH	6IN STEEL GAS VALVE ASSEMBLY	5
791-07.12	8IN STEEL GAS VALVE ASSEMBLY	EACH	8IN STEEL GAS VALVE ASSEMBLY	5
791-07.13	12IN STEEL GAS VALVE ASSEMBLY	EACH	12IN STEEL GAS VALVE ASSEMBLY	5
791-07.14	16IN STEEL GAS VALVE ASSEMBLY	EACH	16IN STEEL GAS VALVE ASSEMBLY	5
791-07.15	18IN STEEL GAS VALVE ASSEMBLY	EACH	18IN STEEL GAS VALVE ASSEMBLY	5
791-07.16	___ IN STEEL GAS VALVE ASSEMBLY	EACH	___ IN STEEL GAS VALVE ASSEMBLY	5
791-07.17	8IN HIGH PRES STEEL GAS VAVLE ASSEMBLY	EACH	8IN HIGH PRESSURE STEEL GAS VAVLE ASSEMBLY	5
791-07.18	2 IN TEE VALVE ASSEMBLY	EACH	2 IN TEE VALVE ASSEMBLY	5
791-07.19	STEEL GAS FITTINGS	LB	STEEL GAS FITTINGS	
791-07.20	ADJUST EXISTING VALVE BOX	EACH	ADJUST EXISTING VALVE BOX	See plan notes.
791-07.21	EXCESS FLOW VALVE (EFV)	EACH	EXCESS FLOW VALVE (EFV)	5
791-07.25	1IN PE GAS VALVE ASSEMBLY	EACH	1IN PE GAS VALVE ASSEMBLY	5
791-07.26	3IN PE GAS VALVE ASSEMBLY	EACH	3IN PE GAS VALVE ASSEMBLY	5
791-07.30	4WAY PE VALVE SYSTEM (4-6IN)	EACH	4WAY PE VALVE SYSTEM (4-6IN)	5
791-07.31	4WAY PE VALVE SYSTEM (2-6 IN, 2-4 IN)	EACH	4WAY PE VALVE SYSTEM (2 - 6 IN, 2 - 4 IN)	5
791-07.32	4WAY PE VALVE SYSTEM (2-6IN,1-4IN,1-2IN)	EACH	4WAY PE VALVE SYSTEM (2-6IN,1-4IN,1-2IN)	5
791-07.33	3WAY PE VALVE SYSTEM (3 - 6 IN)	EACH	3WAY PE VALVE SYSTEM (3 - 6 IN)	5
791-07.34	3WAY PE VALVE SYSTEM (3 - 4 IN)	EACH	3WAY PE VALVE SYSTEM (3 - 4 IN)	5
791-07.35	2WAY PE VALVE SYSTEM (2 - 6 IN)	EACH	2WAY PE VALVE SYSTEM (2 - 6 IN)	5
791-07.40	PE GAS FITTINGS	LB	PE GAS FITTINGS	
791-08.01	1/2IN SERVICE ASSEMBLY	EACH	1/2IN SERVICE ASSEMBLY	6
791-08.02	3/4IN SERVICE ASSEMBLY	EACH	3/4IN SERVICE ASSEMBLY	6
791-08.03	1IN SERVICE ASSEMBLY	EACH	1IN SERVICE ASSEMBLY	6
791-08.04	1-1/4IN SERVICE ASSEMBLY	EACH	1-1/4IN SERVICE ASSEMBLY	6
791-08.05	2IN SERVICE ASSEMBLY	EACH	2IN SERVICE ASSEMBLY	6
791-08.06	1/2IN PE SERVICE PIPE	L.F.	1/2IN POLYETHYLENE SERVICE PIPE	6
791-08.07	3/4IN PE SERVICE PIPE	L.F.	3/4IN POLYETHYLENE SERVICE PIPE	6
791-08.08	1IN PE SERVICE PIPE	L.F.	1IN POLYETHYLENE SERVICE PIPE	6
791-08.09	1-1/4IN PE SERVICE PIPE	L.F.	1-1/4IN POLYETHYLENE SERVICE PIPE	6
791-08.10	2IN PE SERVICE PIPE	L.F.	2IN POLYETHYLENE SERVICE PIPE	6
791-08.11	1/2IN STEEL SERVICE PIPE	L.F.	1/2IN STEEL SERVICE PIPE	6
791-08.12	3/4IN STEEL SERVICE PIPE	L.F.	3/4IN STEEL SERVICE PIPE	6
791-08.13	1IN STEEL SERVICE PIPE	L.F.	1IN STEEL SERVICE PIPE	6
791-08.14	1-1/4IN STEEL SERVICE PIPE	L.F.	1-1/4IN STEEL SERVICE PIPE	6

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791-08.15	2IN STEEL SERVICE PIPE	L.F.	2IN STEEL SERVICE PIPE	6
791-08.16	HDD 1/2IN PE SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 1/2IN POLYETHYLENE SERVICE PIPE	6
791-08.17	HDD 3/4IN PE SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 3/4IN POLYETHYLENE SERVICE PIPE	6
791-08.18	HDD 1IN PE SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 1IN POLYETHYLENE SERVICE PIPE	6
791-08.19	HDD 1-1/4IN PE SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 1-1/4IN POLYETHYLENE SERVICE PIPE	6
791-08.20	HDD 2IN PE SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 2IN POLYETHYLENE SERVICE PIPE	6
791-08.21	HDD 1/2IN STEEL SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 1/2IN STEEL SERVICE PIPE	6
791-08.22	HDD 3/4IN STEEL SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 3/4IN STEEL SERVICE PIPE	6
791-08.23	HDD 1IN STEEL SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 1IN STEEL SERVICE PIPE	6
791-08.24	HDD 1-1/4IN STEEL SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 1-1/4IN STEEL SERVICE PIPE	6
791-08.25	HDD 2IN STEEL SERVICE PIPE	L.F.	HORIZONTAL DIRECTIONAL DRILL 2IN STEEL SERVICE PIPE	6
791-08.26	HDD 5/8 PE SERVICE PIPE	L.F.	HDD 5/8 PE SERVICE PIPE	6
791-08.27	5/8IN SERVICE ASSEMBLY	EACH	5/8IN SERVICE ASSEMBLY	6
791-08.28	HDD 5/8IN SERVICE PIPE	L.F.	HDD 5/8IN SERVICE PIPE	6
791-08.29	5/8IN PE SERVICE PIPE	L.F.	5/8IN PE SERVICE PIPE	6
791-08.30	1-1/2IN SERVICE ASSEMBLY	EACH	1-1/2IN SERVICE ASSEMBLY	6
791-08.31	1IN HDPE SERVICE ASSEMBLY	EACH	1IN HDPE SERVICE ASSEMBLY	6
791-08.33	1IN HDPE SERVICE PIPE	L.F.	1IN HDPE SERVICE PIPE	6
791-08.34	1-1/2IN HDPE SERVICE PIPE	L.F.	1-1/2IN HDPE SERVICE PIPE	6
791-08.40	RECONNECT SERVICE ASSEMBLY	EACH	RECONNECT SERVICE ASSEMBLY	6
791-08.41	GAS MAIN REMOVAL	L.F.	GAS MAIN REMOVAL	6
791-08.50	1-1/2IN STEEL SERVICE PIPE	L.F.	1-1/2IN STEEL SERVICE PIPE	6
791-08.51	1-1/2IN STEEL SERVICE ASSEMBLY	EACH	1-1/2IN STEEL SERVICE ASSEMBLY	6
791-09.01	BRIDGE HANGER SYSTEM AND PIPE	LS	BRIDGE HANGER SYSTEM AND PIPE	INSTALL PER THE UTILITY SPECIFICATIONS AND DRAWINGS
791-09.02	3-WIRE CATHODIC PROTECTION STATION	EACH	3-WIRE CATHODIC PROTECTION STATION	7
791-09.03	17LB MAGNESIUM ANODES	EACH	17LB MAGNESIUM ANODES	7
791-09.04	REGULATOR STATION	EACH	REGULATOR STATION	7
791-09.05	RESTORE ASPHALT	S.Y.	RESTORE ASPHALT ROAD OR DRIVE, TO BE USED ONLY OFF STATE ROW.	INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT, SETUP AND TRAFFIC CONTROL
791-09.06	RESTORE CONCRETE	S.Y.	RESTORE CONCRETE ROADWAY, DRIVEWAY, SIDEWALK, GUTTERS, ETC. TO BE USED ONLY OFF STATE ROW	INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT, SETUP AND TRAFFIC CONTROL
791-09.07	RESTORE GRAVEL	S.Y.	RESTORE GRAVEL ROADWAY, DRIVEWAY, SIDEWALK, GUTTERS, ETC. TO BE USED ONLY OFF STATE ROW	INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT, SETUP AND TRAFFIC CONTROL
791-09.08	REMOVE REGULATOR STATION	EACH	REMOVE REGULATOR STATION	8
791-09.09	REGULATOR STATION TIE-IN ONLY	EACH	REGULATOR STATION TIE-IN ONLY	
791-09.10	FLOWABLE FILL (EXCAVATABLE)	C.Y.	FLOWABLE FILL (EXCAVATABLE)	
791-09.15	2IN PE TIE-IN (2X2IN TO EXIST)	EACH	2IN PE TIE-IN (2X2IN TO EXIST)	
791-09.16	4 IN PE TIE-IN (4X4IN OR 4X2IN NEW-EXIST)	EACH	4 IN PE TIE-IN (4X4IN OR 4X2IN NEW TO EXIST)	
791-09.17	6 IN PE TIE-IN (6X4IN OR 6X2IN NEW TO EX)	EACH	6 IN PE TIE-IN (6X4IN OR 6X2IN NEW TO EXIST)	
791-09.18	2X2 IN PE BRANCH TIE-IN W/ 2 IN VALVE	EACH	2X2 IN PE BRANCH TIE-IN W/ 2 IN VALVE	
791-09.19	4X2 IN PE BRANCH TIE-IN W/ 2 IN VALVE	EACH	4X2 IN PE BRANCH TIE-IN W/ 2 IN VALVE	
791-09.20	6X2 IN PE BRANCH TIE-IN W/ 2 IN VALVE	EACH	6X2 IN PE BRANCH TIE-IN W/ 2 IN VALVE	
791-09.21	CATHODIC PROTECTION JUNCTION BOX	EACH	CATHODIC PROTECTION JUNCTION BOX	

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791-09.22	FAULT CURRENT MITIGATION SYSTEM	EACH	FAULT CURRENT MITIGATION SYSTEM	
791-10.01	RETIRE IN PLACE 3/4IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 3/4IN SERV CUT & PLUG	9
791-10.02	RETIRE IN PLACE 1IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 1IN SERV CUT & PLUG	9
791-10.03	RET. IN PLACE 1-1/4IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 1-1/4IN SERV CUT & PLUG	9
791-10.04	RETIRE IN PLACE 2IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 2IN SERV CUT & PLUG	9
791-10.05	RETIRE IN PLACE 4IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 4IN MAIN	9
791-10.06	RETIRE IN PLACE 6IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 6IN MAIN	9
791-10.07	RETIRE IN PLACE 8IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 8IN MAIN	9
791-10.08	RETIRE IN PLACE 12IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 12IN MAIN	9
791-10.09	RETIRE IN PLACE 18IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 18IN MAIN	9
791-10.10	RETIRE GAS MAIN	LS	RETIRE GAS MAIN	
791-10.11	RETIRE IN PLACE 3IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 3IN SERV CUT & PLUG	
791-10.17	RETIRE IN PLACE 1/2IN SERV CUT & PLUG	EACH	RETIRE IN PLACE 1/2IN SERV CUT & PLUG	
791-10.20	RETIRE GAS MAIN	L.F.	RETIRE GAS MAIN	
791-11.01	CLASS A CONCRETE	C.Y.	CLASS A CONCRETE	
791-11.02	EXTRA DEPTH EXCAVATION PIT	VF	EXTRA DEPTH EXCAVATION PIT	
791-12.04	32LB MAGNESIUM ANODE	EACH	32LB MAGNESIUM ANODE	
791-12.30	8IN ANSI 300 WELD-IN INSULATOR	EACH	8IN ANSI 300 WELD-IN INSULATOR	
791-12.31	12IN ANSI 300 WELD-IN INSULATOR	EACH	12IN ANSI 300 WELD-IN INSULATOR	
791-12.32	2IN ANSI 600 WELD-IN INSULATOR	EACH	2IN ANSI 600 WELD-IN INSULATOR	
791-12.33	4IN ANSI 600 WELD-IN INSULATOR	EACH	4IN ANSI 600 WELD-IN INSULATOR	
791-12.34	6IN ANSI 600 WELD-IN INSULATOR	EACH	6IN ANSI 600 WELD-IN INSULATOR	
791-12.35	16IN ANSI 300 WELD-IN INSULATOR	EACH	16IN ANSI 300 WELD-IN INSULATOR	
791-15.50	MICRO TUNNELING (ROCK) W/48IN STEEL CSNG	L.F.	MICRO TUNNELING (ROCK) W/48IN STEEL CASING	
791-15.60	16IN STEEL CASING	L.F.	16IN STEEL CASING	
791-15.70	3/4IN STEELFARM TAP W/2IN HDPE ANODRISER	EACH	3/4 IN STEEL FARM TAP WITH A 2IN HDPE ANODELESS RISER	
791-99.01	ADDER FOR FULL CLEAN STONE BACKFILL	L.F.	ADDER FOR FULL CLEAN STONE BACKFILL	
791-99.02	CLEAN UP RESTORATION & CLOSEOUT	LS	CLEAN UP RESTORATION & CLOSEOUT	
791-99.03	RESERVED FOR TDOT USE		RESERVED FOR TDOT USE	HIDDEN
791-99.04	RESERVED FOR TDOT USE		RESERVED FOR TDOT USE	HIDDEN
791-99.05	RESERVED FOR TDOT USE		RESERVED FOR TDOT USE	HIDDEN
				<p>FOOTNOTES TO BE INCLUDED ON PLANS</p> <p>FOOTNOTE 1: INCLUDES ALL MATERIALS INCLUDING SAND/STONE BEDDING, FLOWABLE FILL, TEMPORARY PAVEMENT IN OR OUT OF ROW, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION OF PIPE INCLUDING BUT NOT LIMITED TO TRAFFIC CONTROL, EXCAVATION INCLUDING DIRT/ROCK, BACKFILLING, CREEK CROSSINGS PER SWPPP, COUPLINGS, FITTINGS, PIPE FUSION, APPURTENANCES, MAINTAINING THE TRENCH, PURGE POINT INSTALLATION, TESTING BY UTILITY SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO AIR, NITROGEN, HYDROSTATIC OR X-RAY, DEW POINT OR DRYING , AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS.</p> <p>FOOTNOTE 2: INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, AND TRAFFIC CONTROL, INCLUDING BUT NOT LIMITED TO FLUID CONTAINMENT FOR COMPLETE HORIZONTAL DIRECTIONAL DRILLING INSTALLATION OF CASING PIPE OR</p>

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				<p>FOOTNOTE 3: INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT, NECESSARY FOR BORE & JACK OF GAS LINE CASING PIPE INCLUDING BUT NOT LIMITED TO ENTRY AND EXIT PITS, B&J EQUIPMENT AND TRAFFIC CONTROL. CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM PRICE.</p>
				<p>FOOTNOTE 4: INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT, NECESSARY FOR CONNECTING TO EXISTING GAS LINE INCLUDING TRAFFIC CONTROL.</p>
				<p>FOOTNOTE 5: INCLUDES TRANSITION FITTINGS, VALVES, VALVE BOX, BOX ADJUSTMENT, VALVE BOX COLLAR, VALVE MARKER, EXCAVATION, BEDDING, BACKFILL, COUPLINGS, FUSION TEES, TAP OF EXISTING LINE, AND ALL OTHER NECESSARY MATERIALS AND LABOR FOR COMPLETE INSTALLATION OF ASSEMBLY INCLUDING TRAFFIC CONTROL.</p>
				<p>FOOTNOTE 6: INCLUDES ALL MATERIALS, PARTS, LABOR, EQUIPMENT, MACHINERY, TOOLS, OR APPARATUS NECESSARY FOR INSTALLATION OF GAS SERVICE ASSEMBLIES AS DESCRIBED IN THE PLANS AND SPECS. INSTALLATION FOR LONG SIDE AND SHORT SIDE APPLICATIONS. SERVICE PIPE SHALL BE PAID PER LINEAR FOOT INSTALLED.</p>
				<p>FOOTNOTE 7: INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR COMPLETE INSTALLATION OF INDIVIDUAL ITEM AS SPECIFIED ON BID FORM AND UTILITY SPECIFICATIONS</p>
				<p>FOOTNOTE 8: INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR REMOVAL OF ITEM.</p>
				<p>FOOTNOTE 9: INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR RETIREMENT OF ITEM INCLUDING STABILIZING THE ITEM OF PLANT PER UTILITY SPECIFICATIONS.</p>