

SEWER 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)
797-01.01	4IN DIP FORCE MAIN	L.F.	4IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.02	6IN DIP FORCE MAIN	L.F.	6IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.03	8IN DIP FORCE MAIN	L.F.	8IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.04	10IN DIP FORCE MAIN	L.F.	10IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.05	12IN DIP FORCE MAIN	L.F.	12IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.06	18IN DIP FORCE MAIN	L.F.	18IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.07	16IN DIP FORCE MAIN	L.F.	16IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.08	20IN DIP FORCE MAIN	L.F.	20IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.09	24IN DIP FORCE MAIN	L.F.	24IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.10	36IN DIP FORCE MAIN	L.F.	36IN DUCTILE IRON PIPE FORCE MAIN	1
797-01.11	__IN DIP FORCE MAIN	L.F.	DUCTILE IRON PIPE FORCE MAIN (SPECIFY SIZE)	1
797-01.12	4IN EPOXY COATED DIP FORCE MAIN	L.F.	4IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.13	6IN EPOXY COATED DIP FORCE MAIN	L.F.	6IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.14	8IN EPOXY COATED DIP FORCE MAIN	L.F.	8IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.15	10IN EPOXY COATED DIP FORCE MAIN	L.F.	10IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.16	12IN EPOXY COATED DIP FORCE MAIN	L.F.	12IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.17	18IN EPOXY COATED DIP FORCE MAIN	L.F.	18IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.18	16IN EPOXY COATED DIP FORCE MAIN	L.F.	16IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.19	20IN EPOXY COATED DIP FORCE MAIN	L.F.	20IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.20	24IN EPOXY COATED DIP FORCE MAIN	L.F.	24IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.21	36IN EPOXY COATED DIP FORCE MAIN	L.F.	36IN EPOXY COATED DUCTILE IRON PIPE FORCE MAIN	1
797-01.22	__IN EPOXY COATED DIP FORCE MAIN	L.F.	EPOXY COATED DUCTILE IRON PIPE FORCE MAIN (SPECIFY SIZE)	1
797-01.30	FLOWABLE FILL TRENCH PLUG	C.Y.	FLOWABLE FILL TRENCH PLUG	
797-01.31	4IN DIP FORCE MAIN (SLIP JOINT)	L.F.	4IN DIP FORCE MAIN (SLIP JOINT)	
797-01.50	54IN CLASS 250 DIP GRAVITY SEWER	L.F.	54IN CLASS 250 DIP GRAVITY SEWER	
797-01.51	CONNECT 54IN DIP TO 54IN RCP GRAVI SEWER	EACH	CONNECT 54IN DIP TO 54IN RCP GRAVITY SEWER	
797-01.52	PLUG 54IN SEWER	EACH	PLUG 54IN SEWER	
797-01.53	VENT PIPE ASSEMBLY	EACH	VENT PIPE ASSEMBLY	
797-01.79	54IN RCP CLASS 4 GRAVITY SEWER	L.F.	54IN RCP CLASS 4 GRAVITY SEWER	
797-02.01	1IN HDPE FORCE MAIN	L.F.	1IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.02	1-1/4IN HDPE FORCE MAIN	L.F.	1-1/4IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.03	1-1/2IN HDPE FORCE MAIN	L.F.	1-1/2IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.04	2IN HDPE FORCE MAIN	L.F.	2IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.05	3IN HDPE FORCE MAIN	L.F.	3IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.06	4IN HDPE FORCE MAIN	L.F.	4IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.07	6IN HDPE FORCE MAIN	L.F.	6IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.08	8IN HDPE FORCE MAIN	L.F.	8IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.09	10IN HDPE FORCE MAIN	L.F.	10IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.10	12IN HDPE FORCE MAIN	L.F.	12IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.11	16IN HDPE FORCE MAIN	L.F.	16IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.12	20IN HDPE FORCE MAIN	L.F.	20IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.13	24IN HDPE FORCE MAIN	L.F.	24IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.14	30IN HDPE FORCE MAIN	L.F.	30IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.15	36IN HDPE FORCE MAIN	L.F.	36IN HIGH-DENSITY POLYETHYLENE FORCE MAIN	1
797-02.16	__IN HDPE FORCE MAIN	L.F.	HIGH-DENSITY POLYETHYLENE FORCE MAIN SPECIFY SIZE	1
797-02.57	16IN HDPE GRAVITY SEWER 0FT-6FT DEPTH	L.F.	16IN HDPE GRAVITY SEWER 0FT-6FT DEPTH	
797-02.58	16IN HDPE GRAVITY SEWER 6FT-12FT DEPTH	L.F.	16IN HDPE GRAVITY SEWER 6FT-12FT DEPTH	
797-02.59	16IN HDPE GRAVITY SEWER 12FT-18FT DEPTH	L.F.	16IN HDPE GRAVITY SEWER 12FT-18FT DEPTH	

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797-02.60	16IN HDPE GRAVITY SEWER >18FT DEPTH	L.F.	16IN HDPE GRAVITY SEWER >18FT DEPTH	
797-02.62	18IN HDPE GRAVITY SEWER 6FT-12FT DEPTH	L.F.	18IN HDPE GRAVITY SEWER 6FT-12FT DEPTH	
797-03.01	1IN PVC FORCE MAIN	L.F.	1IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.02	1-1/4IN PVC FORCE MAIN	L.F.	1-1/4IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.03	1-1/2IN PVC FORCE MAIN	L.F.	1-1/2IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.04	2IN PVC FORCE MAIN	L.F.	2IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.05	3IN PVC FORCE MAIN	L.F.	3IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.06	4IN PVC FORCE MAIN	L.F.	4IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.07	8IN PVC FORCE MAIN	L.F.	8IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.08	6IN PVC FORCE MAIN	L.F.	6IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.09	10IN PVC FORCE MAIN	L.F.	10IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.10	12IN PVC FORCE MAIN	L.F.	12IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.11	16IN PVC FORCE MAIN	L.F.	16IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.12	18IN PVC FORCE MAIN	L.F.	18IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.13	20IN PVC FORCE MAIN	L.F.	20IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.14	24IN PVC FORCE MAIN	L.F.	24IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.15	36IN PVC FORCE MAIN	L.F.	36IN POLYVINYL CHLORIDE FORCE MAIN	1
797-03.16	IN PVC FORCE MAIN	L.F.	POLYVINYL CHLORIDE FORCE MAIN SPECIFY SIZE	1
797-03.30	2IN PVC FORCE MAIN (0-8FT)	L.F.	2IN PVC FORCE MAIN (0-8FT)	1
797-03.31	2IN PVC FORCE MAIN (8-10FT)	L.F.	2IN PVC FORCE MAIN (8-10FT)	1
797-03.32	2IN PVC FORCE MAIN (10-12FT)	L.F.	2IN PVC FORCE MAIN (10-12FT)	1
797-03.33	2IN PVC FORCE MAIN (12-15FT)	L.F.	2IN PVC FORCE MAIN (12-15FT)	1
797-03.34	3IN PVC FORCE MAIN (0-8FT)	L.F.	3IN PVC FORCE MAIN (0-8FT)	1
797-03.35	3IN PVC FORCE MAIN (8-10FT)	L.F.	3IN PVC FORCE MAIN (8-10FT)	1
797-03.36	3IN PVC FORCE MAIN (10-12FT)	L.F.	3IN PVC FORCE MAIN (10-12FT)	1
797-03.37	3IN PVC FORCE MAIN (12-15FT)	L.F.	3IN PVC FORCE MAIN (12-15FT)	1
797-03.38	4IN PVC FORCE MAIN (0-8FT)	L.F.	4IN PVC FORCE MAIN (0-8FT)	1
797-03.39	4IN PVC FORCE MAIN (8-10FT)	L.F.	4IN PVC FORCE MAIN (8-10FT)	1
797-03.40	4IN PVC FORCE MAIN (10-12FT)	L.F.	4IN PVC FORCE MAIN (10-12FT)	1
797-03.41	4IN PVC FORCE MAIN (12-15FT)	L.F.	4IN PVC FORCE MAIN (12-15FT)	1
797-03.42	6IN PVC FORCE MAIN (0-8FT)	L.F.	6IN PVC FORCE MAIN (0-8FT)	1
797-03.43	6IN PVC FORCE MAIN (8-10FT)	L.F.	6IN PVC FORCE MAIN (8-10FT)	1
797-03.44	6IN PVC FORCE MAIN (10-12FT)	L.F.	6IN PVC FORCE MAIN (10-12FT)	1
797-03.45	6IN PVC FORCE MAIN (12-15FT)	L.F.	6IN PVC FORCE MAIN (12-15FT)	1
797-03.46	8IN PVC FORCE MAIN (0-8FT)	L.F.	8IN PVC FORCE MAIN (0-8FT)	1
797-03.47	8IN PVC FORCE MAIN (8-10FT)	L.F.	8IN PVC FORCE MAIN (8-10FT)	1
797-03.48	8IN PVC FORCE MAIN (10-12FT)	L.F.	8IN PVC FORCE MAIN (10-12FT)	1
797-03.49	8IN PVC FORCE MAIN (12-15FT)	L.F.	8IN PVC FORCE MAIN (12-15FT)	1
797-03.50	10IN PVC FORCE MAIN (0-8FT)	L.F.	10IN PVC FORCE MAIN (0-8FT)	1
797-03.51	10IN PVC FORCE MAIN (8-10FT)	L.F.	10IN PVC FORCE MAIN (8-10FT)	1
797-03.52	10IN PVC FORCE MAIN (10-12FT)	L.F.	10IN PVC FORCE MAIN (10-12FT)	1
797-03.53	10IN PVC FORCE MAIN (12-15FT)	L.F.	10IN PVC FORCE MAIN (12-15FT)	1
797-03.54	12IN PVC FORCE MAIN (0-8FT)	L.F.	12IN PVC FORCE MAIN (0-8FT)	1
797-03.55	12IN PVC FORCE MAIN (8-10FT)	L.F.	12IN PVC FORCE MAIN (8-10FT)	1
797-03.56	12IN PVC FORCE MAIN (10-12FT)	L.F.	12IN PVC FORCE MAIN (10-12FT)	1
797-03.57	12IN PVC FORCE MAIN (12-15FT)	L.F.	12IN PVC FORCE MAIN (12-15FT)	1
797-03.58	14IN PVC FORCE MAIN (0-8FT)	L.F.	14IN PVC FORCE MAIN (0-8FT)	1
797-03.59	14IN PVC FORCE MAIN (8-10FT)	L.F.	14IN PVC FORCE MAIN (8-10FT)	1

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797-03.60	14IN PVC FORCE MAIN (10-12FT)	L.F.	14IN PVC FORCE MAIN (10-12FT)	1
797-03.61	14IN PVC FORCE MAIN (12-15FT)	L.F.	14IN PVC FORCE MAIN (12-15FT)	1
797-03.62	16IN PVC FORCE MAIN (0-8FT)	L.F.	16IN PVC FORCE MAIN (0-8FT)	1
797-03.63	16IN PVC FORCE MAIN (8-10FT)	L.F.	16IN PVC FORCE MAIN (8-10FT)	1
797-03.64	16IN PVC FORCE MAIN (10-12FT)	L.F.	16IN PVC FORCE MAIN (10-12FT)	1
797-03.65	16IN PVC FORCE MAIN (12-15FT)	L.F.	16IN PVC FORCE MAIN (12-15FT)	1
797-03.80	10IN PVC FORCE MAIN (OPEN CUT)	L.F.	10IN PVC FORCE MAIN (OPEN CUT)	1
797-04.01	4IN FPVC FORCE MAIN	L.F.	4IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.02	8IN FPVC FORCE MAIN	L.F.	8IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.03	6IN FPVC FORCE MAIN	L.F.	6IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.04	10IN FPVC FORCE MAIN	L.F.	10IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.05	12IN FPVC FORCE MAIN	L.F.	12IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.06	15IN FPVC FORCE MAIN	L.F.	15IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.07	16IN FPVC FORCE MAIN	L.F.	16IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.08	18IN FPVC FORCE MAIN	L.F.	18IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.09	20IN FPVC FORCE MAIN	L.F.	20IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.10	24IN FPVC FORCE MAIN	L.F.	24IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.11	36IN FPVC FORCE MAIN	L.F.	36IN FUSIBLE POLYVINYL CHLORIDE FORCE MAIN	1
797-04.12	IN FPVC FORCE MAIN	L.F.	FUSIBLE POLYVINYL CHLORIDE FORCE MAIN SPECIFY SIZE	1
797-05.01	8IN DIP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	8IN DUCTILE IRON PIPE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.02	8IN DIP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	8IN DUCTILE IRON PIPE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.03	8IN DIP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	8IN DUCTILE IRON PIPE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.04	8IN DIP GRAVITY SEWER >18FT DEPTH	L.F.	8IN DUCTILE IRON PIPE GRAVITY SEWER >18FT DEPTH	1
797-05.05	10IN DIP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	10IN DUCTILE IRON PIPE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.06	10IN DIP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	10IN DUCTILE IRON PIPE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.07	10IN DIP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	10IN DUCTILE IRON PIPE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.08	10IN DIP GRAVITY SEWER >18FT DEPTH	L.F.	10IN DUCTILE IRON PIPE GRAVITY SEWER >18FT DEPTH	1
797-05.09	12IN DIP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	12IN DUCTILE IRON PIPE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.10	12IN DIP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	12IN DUCTILE IRON PIPE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.11	12IN DIP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	12IN DUCTILE IRON PIPE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.12	12IN DIP GRAVITY SEWER >18FT DEPTH	L.F.	12IN DUCTILE IRON PIPE GRAVITY SEWER >18FT DEPTH	1
797-05.13	16IN DIP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	16IN DUCTILE IRON PIPE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.14	16IN DIP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	16IN DUCTILE IRON PIPE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.15	16IN DIP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	16IN DUCTILE IRON PIPE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.16	16IN DIP GRAVITY SEWER >18FT DEPTH	L.F.	16IN DUCTILE IRON PIPE GRAVITY SEWER >18FT DEPTH	1
797-05.17	18IN DIP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	18IN DUCTILE IRON PIPE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.18	18IN DIP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	18IN DUCTILE IRON PIPE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.19	18IN DIP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	18IN DUCTILE IRON PIPE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.20	18IN DIP GRAVITY SEWER >18FT DEPTH	L.F.	18IN DUCTILE IRON PIPE GRAVITY SEWER >18FT DEPTH	1
797-05.21	24IN DIP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	24IN DUCTILE IRON PIPE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.22	24IN DIP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	24IN DUCTILE IRON PIPE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.23	24IN DIP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	24IN DUCTILE IRON PIPE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.24	24IN DIP GRAVITY SEWER >18FT DEPTH	L.F.	24IN DUCTILE IRON PIPE GRAVITY SEWER >18FT DEPTH	1

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797-05.25	36IN DIP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	36IN DUCTILE IRON PIPE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.26	36IN DIP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	36IN DUCTILE IRON PIPE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.27	36IN DIP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	36IN DUCTILE IRON PIPE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.28	36IN DIP GRAVITY SEWER >18FT DEPTH	L.F.	36IN DUCTILE IRON PIPE GRAVITY SEWER >18FT DEPTH	1
797-05.29	__IN DIP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	DUCTILE IRON PIPE GRAVITY SEWER 0FT-6FT DEPTH SPECIFY SIZE	1
797-05.30	__IN DIP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	DUCTILE IRON PIPE GRAVITY SEWER 6FT-12FT DEPTH SPECIFY SIZE	1
797-05.31	__IN DIP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	DUCTILE IRON PIPE GRAVITY SEWER 12FT-18FT DEPTH SPECIFY SIZE	1
797-05.32	__IN DIP GRAVITY SEWER >18FT DEPTH	L.F.	DUCTILE IRON PIPE GRAVITY SEWER >18FT DEPTH SPECIFY SIZE	1
797-05.38	8IN CURED IN PLACE PIPE LINING	L.F.	8IN CURED IN PLACE PIPE LINING	
797-05.39	8IN CURED IN PLACE PIPE (CIPP)	L.F.	8IN CURED IN PLACE PIPE (CIPP)	
797-05.40	8IN SWR W/CIPP LINING INCL BYPASS PUMPING	L.F.	8IN SWR W/CIPP LINING INCL BYPASS PUMPING	
797-05.41	6IN DIP SERVICE LATERAL	L.F.	6IN DIP SERVICE LATERAL	
797-05.42	10IN SWR W/CIPP LINING INCL BYPASS PUMP	L.F.	10IN SWR W/CIPP LINING INCL BYPASS PUMPING	
797-05.43	4IN SWR W/CIPP LINING INCL BYPASS PUMP	L.F.	4IN SWR W/CIPP LINING INCL BYPASS PUMPING	
797-05.44	6IN SWR W/CIPP LINING INCL BYPASS PUMP	L.F.	6IN SWR W/CIPP LINING INCL BYPASS PUMPING	
797-05.45	10IN CURED IN PLACE PIPE (CIPP)	L.F.	10IN CURED IN PLACE PIPE (CIPP)	
797-05.46	12IN CURED IN PLACE PIPE (CIPP)	L.F.	12IN CURED IN PLACE PIPE (CIPP)	
797-05.49	CIPP LABORATORY TESTING	L.S.	CURED IN PLACE PIPE (CIPP) LABORATORY TESTING	
797-05.50	30IN DIP AERIAL GRAVITY SEWER	L.F.	30IN DIP AERIAL GRAVITY SEWER	
797-05.51	8IN PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	8IN POLYVINYL CHLORIDE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.52	8IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	8IN POLYVINYL CHLORIDE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.53	8IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	8IN POLYVINYL CHLORIDE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.54	8IN PVC GRAVITY SEWER >18FT DEPTH	L.F.	8IN POLYVINYL CHLORIDE GRAVITY SEWER >18FT DEPTH	1
797-05.55	10IN PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	10IN POLYVINYL CHLORIDE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.56	10IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	10IN POLYVINYL CHLORIDE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.57	10IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	10IN POLYVINYL CHLORIDE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.58	10IN PVC GRAVITY SEWER >18FT DEPTH	L.F.	10IN POLYVINYL CHLORIDE GRAVITY SEWER >18FT DEPTH	1
797-05.59	12IN PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	12IN POLYVINYL CHLORIDE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.60	12IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	12IN POLYVINYL CHLORIDE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.61	12IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	12IN POLYVINYL CHLORIDE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.62	12IN PVC GRAVITY SEWER >18FT DEPTH	L.F.	12IN POLYVINYL CHLORIDE GRAVITY SEWER >18FT DEPTH	1
797-05.63	15IN PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	16IN POLYVINYL CHLORIDE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.64	15IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	16IN POLYVINYL CHLORIDE GRAVITY SEWER 6FT-12FT DEPTH	1

SEWER 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)
797-05.65	15IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	16IN POLYVINYL CHLORIDE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.66	15IN PVC GRAVITY SEWER >18FT DEPTH	L.F.	16IN POLYVINYL CHLORIDE GRAVITY SEWER >18FT DEPTH	1
797-05.67	18IN PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	18IN POLYVINYL CHLORIDE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.68	18IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	18IN POLYVINYL CHLORIDE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.69	18IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	18IN POLYVINYL CHLORIDE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.70	18IN PVC GRAVITY SEWER >18FT DEPTH	L.F.	18IN POLYVINYL CHLORIDE GRAVITY SEWER >18FT DEPTH	1
797-05.71	24IN PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	24IN POLYVINYL CHLORIDE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.72	24IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	24IN POLYVINYL CHLORIDE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.73	24IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	24IN POLYVINYL CHLORIDE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.74	24IN PVC GRAVITY SEWER >18FT DEPTH	L.F.	24IN POLYVINYL CHLORIDE GRAVITY SEWER >18FT DEPTH	1
797-05.75	36IN PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	36IN POLYVINYL CHLORIDE GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.76	36IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	36IN POLYVINYL CHLORIDE GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.77	36IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	36IN POLYVINYL CHLORIDE GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.78	36IN PVC GRAVITY SEWER >18FT DEPTH	L.F.	36IN POLYVINYL CHLORIDE GRAVITY SEWER >18FT DEPTH	1
797-05.79	__IN PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	POLYVINYL CHLORIDE GRAVITY SEWER 0FT-6FT DEPTH (SPECIFY SIZE)	1
797-05.80	__IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	POLYVINYL CHLORIDE GRAVITY SEWER 6FT-12FT DEPTH (SPECIFY SIZE)	1
797-05.81	__IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	POLYVINYL CHLORIDE GRAVITY SEWER 12FT-18FT DEPTH (SPECIFY SIZE)	1
797-05.82	__IN PVC GRAVITY SEWER >18FT DEPTH	L.F.	POLYVINYL CHLORIDE GRAVITY SEWER >18FT DEPTH (SPECIFY SIZE)	1
797-05.83	18IN FSP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	18IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.84	18IN FSP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	18IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.85	18IN FSP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	18IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.86	18IN FSP GRAVITY SEWER >18FT DEPTH	L.F.	18IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER >18FT DEPTH	1
797-05.87	24IN FSP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	24IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.88	24IN FSP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	24IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.89	24IN FSP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	24IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.90	24IN FSP GRAVITY SEWER >18FT DEPTH	L.F.	24IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER >18FT DEPTH	1

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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)
797-05.91	36IN FSP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	36IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 0FT-6FT DEPTH	1
797-05.92	36IN FSP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	36IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 6FT-12FT DEPTH	1
797-05.93	36IN FSP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	36IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 12FT-18FT DEPTH	1
797-05.94	36IN FSP GRAVITY SEWER >18FT DEPTH	L.F.	36IN FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER >18FT DEPTH	1
797-05.95	__IN FSP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 0FT-6FT DEPTH (SPECIFY SIZE)	1
797-05.96	__IN FSP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 6FT-12FT DEPTH (SPECIFY SIZE)	1
797-05.97	__IN FSP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER 12FT-18FT DEPTH (SPECIFY SIZE)	1
797-05.98	__IN FSP GRAVITY SEWER >18FT DEPTH	L.F.	FIBERGLASS SEWER PIPE PER ASTM D3262 GRAVITY SEWER >18FT DEPTH (SPECIFY SIZE)	1
797-05.99	FLOWABLE FILL (TRENCH PLUGS)	C.Y.	FLOWABLE FILL (TRENCH PLUGS)	
797-06.01	HDD 2IN HDPE CARRIER PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 2IN HDPE CARRIER PIPE IN UNCONSOLIDATED	2
797-06.02	HDD 4IN HDPE CARRIER PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 4IN HDPE CARRIER PIPE IN UNCONSOLIDATED	2
797-06.03	HDD 6IN HDPE CARRIER PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 6IN HDPE CARRIER PIPE IN UNCONSOLIDATED	2
797-06.04	HDD 8IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 8IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.05	HDD 10IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 10IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.06	HDD 12IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 12IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.07	HDD 14IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 14IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.08	HDD 16IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 16IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.09	HDD 18IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 18IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.10	HDD 20IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 20IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.11	HDD 24IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 24IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.12	HDD 30IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 30IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.13	HDD 36IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 36IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.14	HDD 48IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 48IN HDPE CASING PIPE IN UNCONSOLIDATED	2
797-06.15	HDD __IN HDPE CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING __IN HDPE CASING PIPE IN UNCONSOLIDATED	2

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797-06.16	HDD 2IN HDPE CARRIER PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 2IN HDPE CARRIER PIPE IN ROCK	2
797-06.17	HDD 4IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 4IN HDPE CASING PIPE IN ROCK	2
797-06.18	HDD 6IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 6IN HDPE CASING PIPE IN ROCK	2
797-06.19	HDD 8IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 8IN HDPE CASING PIPE IN ROCK	2
797-06.20	HDD 10IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 10IN HDPE CASING PIPE IN ROCK	2
797-06.21	HDD 12IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 12N HDPE CASING PIPE IN ROCK	2
797-06.22	HDD 14IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 14IN HDPE CASING PIPE IN ROCK	2
797-06.23	HDD 16IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 16IN HDPE CASING PIPE IN ROCK	2
797-06.24	HDD 18IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 18IN HDPE CASING PIPE IN ROCK	2
797-06.25	HDD 20IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 20IN HDPE CASING PIPE IN ROCK	2
797-06.26	HDD 24IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 24IN HDPE CASING PIPE IN ROCK	2
797-06.27	HDD 30IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 30IN HDPE CASING PIPE IN ROCK	2
797-06.28	HDD 36IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 36IN HDPE CASING PIPE IN ROCK	2
797-06.29	HDD 48IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 48IN HDPE CASING PIPE IN ROCK	2
797-06.30	HDD __IN HDPE CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING __IN HDPE CASING PIPE IN ROCK	2
797-06.31	HDD 4IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 4IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.32	HDD 6IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 6IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.33	HDD 6IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 6IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.34	HDD 8IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 8IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.35	HDD 10IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 10IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.36	HDD 12IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 12N FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.37	HDD 14IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 14IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.38	HDD 15IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 15IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.39	HDD 18IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 18IN FPVC CASING PIPE IN UNCONSOLIDATED	2

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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)
797-06.40	HDD 20IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 20IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.41	HDD 24IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 24IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.42	HDD 30IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 30IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.43	HDD 36IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 36IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.44	HDD 42IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING 42IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.45	HDD __ IN FPVC CASING PIPE-UNCON	L.F.	HORIZONTAL DIRECTIONAL DRILLING __ IN FPVC CASING PIPE IN UNCONSOLIDATED	2
797-06.46	HDD 4IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 4IN FPVC CASING PIPE IN ROCK	2
797-06.47	HDD 6IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 6IN FPVC CASING PIPE IN ROCK	2
797-06.48	HDD 8IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 8IN FPVC CASING PIPE IN ROCK	2
797-06.49	HDD 10IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 10IN FPVC CASING PIPE IN ROCK	2
797-06.50	HDD 12IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 12N FPVC CASING PIPE IN ROCK	2
797-06.51	HDD 14IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 14IN FPVC CASING PIPE IN ROCK	2
797-06.52	HDD 15IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 15IN FPVC CASING PIPE IN ROCK	2
797-06.53	HDD 18IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 18IN FPVC CASING PIPE IN ROCK	2
797-06.54	HDD 20IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 20IN FPVC CASING PIPE IN ROCK	2
797-06.55	HDD 24IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 24IN FPVC CASING PIPE IN ROCK	2
797-06.56	HDD 30IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 30IN FPVC CASING PIPE IN ROCK	2
797-06.57	HDD 36IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 36IN FPVC CASING PIPE IN ROCK	2
797-06.58	HDD 42IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING 42IN FPVC CASING PIPE IN ROCK	2
797-06.59	HDD __ IN FPVC CASING PIPE-ROCK	L.F.	HORIZONTAL DIRECTIONAL DRILLING __ IN FPVC CASING PIPE IN ROCK	2
797-06.60	BORE/JACK 8IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 8IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.61	BORE/JACK 10IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 10IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.62	BORE/JACK 12IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 12IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.63	BORE/JACK 14IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 14IN STEEL CASING PIPE IN UNCONSOLIDATED	10

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797-06.64	BORE/JACK 16IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 16IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.65	BORE/JACK 18IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 18IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.66	BORE/JACK 20IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 20IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.67	BORE/JACK 24IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 24IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.68	BORE/JACK 30IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 30IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.69	BORE/JACK 36IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 36IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.70	BORE/JACK 48IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK 48IN STEEL CASING PIPE IN UNCONSOLIDATED	10
797-06.71	BORE/JACK ___IN STEEL CASING PIPE-UNCON.	L.F.	BORE AND JACK STEEL CASING PIPE IN UNCONSOLIDATED (SPECIFY SIZE)	10
797-06.72	BORE/JACK 6IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 6INCH STEEL CASING PIPEIN ROCK	10
797-06.73	BORE/JACK 8IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 8IN STEEL CASING PIPEIN UNCONSOLIDATED	10
797-06.74	BORE/JACK 10IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 10IN STEEL CASING PIPEIN ROCK	10
797-06.75	BORE/JACK 12IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 12IN STEEL CASING PIPEIN UNCONSOLIDATED	10
797-06.76	BORE/JACK 14IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 14IN STEEL CASING PIPEIN ROCK	10
797-06.77	BORE/JACK 16IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 16IN STEEL CASING PIPEIN UNCONSOLIDATED	10
797-06.78	BORE/JACK 18IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 18IN STEEL CASING PIPEIN ROCK	10
797-06.79	BORE/JACK 20IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 20IN STEEL CASING PIPEIN UNCONSOLIDATED	10
797-06.80	BORE/JACK 24IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 24IN STEEL CASING PIPEIN ROCK	10
797-06.81	BORE/JACK 30IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 30IN STEEL CASING PIPEIN UNCONSOLIDATED	10
797-06.82	BORE/JACK 36IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 36IN STEEL CASING PIPEIN ROCK	10
797-06.83	BORE/JACK 48IN STEEL CASING PIPE-ROCK.	L.F.	BORE AND JACK 48IN STEEL CASING PIPEIN ROCK	10
797-06.84	BORE/JACK ___IN STEEL CASING PIPE-ROCK	L.F.	BORE AND JACK STEEL CASING PIPE IN UNCONSOLIDATED (SPECIFY SIZE)	10
797-06.85	BORE/JACK ___IN STEEL CASING PIPE-ROCK	L.F.	BORE AND JACK STEEL CASING PIPE IN ROCK (SPECIFY SIZE)	10
797-06.86	BORE/JACK ___IN STEEL CASING PIPE-ROCK	L.F.	BORE AND JACK STEEL CASING PIPE IN ROCK (SPECIFY SIZE)	10
797-06.87	OPEN CUT 8IN STEEL CASING PIPE	L.F.	OPEN CUT 8IN STEEL CASING PIPE	14
797-06.88	OPEN CUT 10IN STEEL CASING PIPE	L.F.	OPEN CUT 10IN STEEL CASING PIPE	14
797-06.89	OPEN CUT 12IN STEEL CASING PIPE	L.F.	OPEN CUT 12IN STEEL CASING PIPE	14
797-06.90	OPEN CUT 16IN STEEL CASING PIPE	L.F.	OPEN CUT 16IN STEEL CASING PIPE	14
797-06.91	OPEN CUT 18IN STEEL CASING PIPE	L.F.	OPEN CUT 18IN STEEL CASING PIPE	14
797-06.92	OPEN CUT 20IN STEEL CASING PIPE	L.F.	OPEN CUT 20IN STEEL CASING PIPE	14
797-06.93	OPEN CUT 24IN STEEL CASING PIPE	L.F.	OPEN CUT 24IN STEEL CASING PIPE	14
797-06.94	OPEN CUT 30IN STEEL CASING PIPE	L.F.	OPEN CUT 30IN STEEL CASING PIPE	14
797-06.95	OPEN CUT 36IN STEEL CASING PIPE	L.F.	OPEN CUT 36IN STEEL CASING PIPE	14
797-06.96	OPEN CUT 48IN STEEL CASING PIPE	L.F.	OPEN CUT 48IN STEEL CASING PIPE	14
797-06.97	OPEN CUT ___IN STEEL CASING PIPE	L.F.	OPEN CUT ___IN STEEL CASING PIPE	14

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797-06.98	__ IN TUNNELING UNCLASSIFIED	L.S.	__ IN TUNNELING UNCLASSIFIED - EITHER BY HAND OR TUNNEL BORING MACHINE	INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS AND TRAFFIC CONTROL.
797-06.99	HDD 10IN HDPE CARRIER PIPE-ROCK	L.F.	HDD 10IN HDPE CARRIER PIPE-ROCK	
797-07.01	48IN MANHOLE 0FT-4FT DEPTH	EACH	48IN MANHOLE 0FT-4FT DEPTH	4
797-07.02	48IN MANHOLE 4FT-6FT DEPTH	EACH	48IN MANHOLE 4FT-6FT DEPTH	4
797-07.03	48IN MANHOLE 6FT-8FT DEPTH	EACH	48IN MANHOLE 6FT-8FT DEPTH	4
797-07.04	48IN MANHOLE 8FT-10FT DEPTH	EACH	48IN MANHOLE 8FT-10FT DEPTH	4
797-07.05	48IN MANHOLE 10FT-12FT DEPTH	EACH	48IN MANHOLE 10FT-12FT DEPTH	4
797-07.06	48IN MANHOLE 12FT-14FT DEPTH	EACH	48IN MANHOLE 12FT-14FT DEPTH	4
797-07.07	48IN MANHOLE 14FT-16FT DEPTH	EACH	48IN MANHOLE 14FT-16FT DEPTH	4
797-07.08	48IN MANHOLE 16FT-20FT DEPTH	EACH	48IN MANHOLE 16FT-20FT DEPTH	4
797-07.09	48IN MANHOLE 20FT-24FT DEPTH	EACH	48IN MANHOLE 20FT-24FT DEPTH	4
797-07.10	48IN MANHOLE 24FT-28FT DEPTH	EACH	48IN MANHOLE 24FT-28FT DEPTH	4
797-07.11	48IN MANHOLE >28FT DEPTH	EACH	48IN MANHOLE >28FT DEPTH	4
797-07.12	60IN MANHOLE 0FT-4FT DEPTH	EACH	60IN MANHOLE 0FT-4FT DEPTH	4
797-07.13	60IN MANHOLE 4FT-6FT DEPTH	EACH	60IN MANHOLE 4FT-6FT DEPTH	4
797-07.14	60IN MANHOLE 6FT-8FT DEPTH	EACH	60IN MANHOLE 6FT-8FT DEPTH	4
797-07.15	60IN MANHOLE 8FT-10FT DEPTH	EACH	60IN MANHOLE 8FT-10FT DEPTH	4
797-07.16	60IN MANHOLE 10FT-12FT DEPTH	EACH	60IN MANHOLE 10FT-12FT DEPTH	4
797-07.17	60IN MANHOLE 12FT-14FT DEPTH	EACH	60IN MANHOLE 12FT-14FT DEPTH	4
797-07.18	60IN MANHOLE 14FT-16FT DEPTH	EACH	60IN MANHOLE 14FT-16FT DEPTH	4
797-07.19	60IN MANHOLE 16FT-20FT DEPTH	EACH	60IN MANHOLE 16FT-20FT DEPTH	4
797-07.20	60IN MANHOLE 20FT-24FT DEPTH	EACH	60IN MANHOLE 20FT-24FT DEPTH	4
797-07.21	60IN MANHOLE 24FT-28FT DEPTH	EACH	60IN MANHOLE 24FT-28FT DEPTH	4
797-07.22	60IN MANHOLE >28FT DEPTH	EACH	60IN MANHOLE >28FT DEPTH	4
797-07.23	72IN MANHOLE 0FT-4FT DEPTH	EACH	72IN MANHOLE 0FT-4FT DEPTH	4
797-07.24	72IN MANHOLE 4FT-6FT DEPTH	EACH	72IN MANHOLE 4FT-6FT DEPTH	4
797-07.25	72IN MANHOLE 6FT-8FT DEPTH	EACH	72IN MANHOLE 6FT-8FT DEPTH	4
797-07.26	72IN MANHOLE 8FT-10FT DEPTH	EACH	72IN MANHOLE 8FT-10FT DEPTH	4
797-07.27	72IN MANHOLE 10FT-12FT DEPTH	EACH	72IN MANHOLE 10FT-12FT DEPTH	4
797-07.28	72IN MANHOLE 12FT-14FT DEPTH	EACH	72IN MANHOLE 12FT-14FT DEPTH	4
797-07.29	72IN MANHOLE 14FT-16FT DEPTH	EACH	72IN MANHOLE 14FT-16FT DEPTH	4
797-07.30	72IN MANHOLE 16FT-20FT DEPTH	EACH	72IN MANHOLE 16FT-20FT DEPTH	4
797-07.31	72IN MANHOLE 20FT-24FT DEPTH	EACH	72IN MANHOLE 20FT-24FT DEPTH	4
797-07.32	72IN MANHOLE 24FT-28FT DEPTH	EACH	72IN MANHOLE 24FT-28FT DEPTH	4
797-07.33	72IN MANHOLE >28FT DEPTH	EACH	72IN MANHOLE >28FT DEPTH	4
797-07.34	84IN MANHOLE 0FT-4FT DEPTH	EACH	84IN MANHOLE 0FT-4FT DEPTH	4
797-07.35	84IN MANHOLE 4FT-6FT DEPTH	EACH	84IN MANHOLE 4FT-6FT DEPTH	4
797-07.36	84IN MANHOLE 6FT-8FT DEPTH	EACH	84IN MANHOLE 6FT-8FT DEPTH	4
797-07.37	84IN MANHOLE 8FT-10FT DEPTH	EACH	84IN MANHOLE 8FT-10FT DEPTH	4
797-07.38	84IN MANHOLE 10FT-12FT DEPTH	EACH	84IN MANHOLE 10FT-12FT DEPTH	4
797-07.39	84IN MANHOLE 12FT-14FT DEPTH	EACH	84IN MANHOLE 12FT-14FT DEPTH	4
797-07.40	84IN MANHOLE 14FT-16FT DEPTH	EACH	84IN MANHOLE 14FT-16FT DEPTH	4
797-07.41	84IN MANHOLE 16FT-20FT DEPTH	EACH	84IN MANHOLE 16FT-20FT DEPTH	4
797-07.42	84IN MANHOLE 20FT-24FT DEPTH	EACH	84IN MANHOLE 20FT-24FT DEPTH	4
797-07.43	84IN MANHOLE 24FT-28FT DEPTH	EACH	84IN MANHOLE 24FT-28FT DEPTH	4
797-07.44	84IN MANHOLE >28FT DEPTH	EACH	84IN MANHOLE >28FT DEPTH	4

SEWER 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)
797-07.45	96IN MANHOLE 0FT-4FT DEPTH	EACH	96IN MANHOLE 0FT-4FT DEPTH	4
797-07.46	96IN MANHOLE 4FT-6FT DEPTH	EACH	96IN MANHOLE 4FT-6FT DEPTH	4
797-07.47	96IN MANHOLE 6FT-8FT DEPTH	EACH	96IN MANHOLE 6FT-8FT DEPTH	4
797-07.48	96IN MANHOLE 8FT-10FT DEPTH	EACH	96IN MANHOLE 8FT-10FT DEPTH	4
797-07.49	96IN MANHOLE 10FT-12FT DEPTH	EACH	96IN MANHOLE 10FT-12FT DEPTH	4
797-07.50	96IN MANHOLE 12FT-14FT DEPTH	EACH	96IN MANHOLE 12FT-14FT DEPTH	4
797-07.51	96IN MANHOLE 14FT-16FT DEPTH	EACH	96IN MANHOLE 14FT-16FT DEPTH	4
797-07.52	96IN MANHOLE 16FT-20FT DEPTH	EACH	96IN MANHOLE 16FT-20FT DEPTH	4
797-07.53	96IN MANHOLE 20FT-24FT DEPTH	EACH	96IN MANHOLE 20FT-24FT DEPTH	4
797-07.54	96IN MANHOLE 24FT-28FT DEPTH	EACH	96IN MANHOLE 24FT-28FT DEPTH	4
797-07.55	96IN MANHOLE >28FT DEPTH	EACH	96IN MANHOLE >28FT DEPTH	4
797-07.56	MANHOLE DROP CONNECTION ASSEMBLY	EACH	MANHOLE DROP CONNECTION ASSEMBLY	6
797-07.60	ADJUST EXISTING MANHOLE	EACH	ADJUST EXISTING MANHOLE	
797-07.61	ADJUST EXISTING MANHOLE	EACH	ADJUST EXISTING MANHOLE (DESCR)	
797-07.62	MANHOLE MODIFICATION	EACH	MANHOLE MODIFICATION	
797-07.63	REPLACE MANHOLE CASTING	EACH	REPLACE MANHOLE CASTING	
797-07.71	___ IN MANHOLE OFFSET CONE	EACH	___ IN MANHOLE OFFSET CONE	
797-07.72	___ IN MANHOLE OFFSET CONE	EACH	___ IN MANHOLE OFFSET CONE	
797-07.75	TRAFFIC RATED FRAMES AND COVERS	EACH	TRAFFIC RATED FRAMES AND COVERS	
797-07.80	REMOVE SEWER MANHOLE	EACH	REMOVE SEWER MANHOLE	
797-07.85	CAST-IN-PLACE PIERS	EACH	CAST-IN-PLACE PIERS	
797-07.86	CAST-IN-PLACE MANHOLE	EACH	CAST-IN-PLACE MANHOLE	
797-07.87	PIPE BURST 6" to 8" HDPE	L.F.	PIPE BURST OF EXISTING 6" SEWER to 8" HDPE	
797-07.88	PIPE BURST 8" to 8" HDPE	L.F.	PIPE BURST OF EXISTING 8" SEWER to 8" HDPE	
797-07.89	PIPE BURST 12" to 12" HDPE	L.F.	PIPE BURST OF EXISTING 12" SEWER to 12" HDPE	
797-07.90	PIPE BURST 8" to 8" PVC	L.F.	PIPE BURST OF EXISTING 8" SEWER to 8" PVC	
797-07.91	PIPE BURST 10" to 10" PVC	L.F.	PIPE BURST OF EXISTING 10" SEWER to 10" PVC	
797-07.92	PIPE BURST 8" to 10" PVC	L.F.	PIPE BURST OF EXISTING 8" SEWER to 10" PVC	
797-08.01	DI FITTINGS	LBS.	DUCTILE IRON FITTINGS	INCLUDES FITTINGS, GLANDS AND RESTRAINT DEVICES DESCRIBED IN POUNDS.
797-08.02	PVC FITTINGS	LBS.	POLYVINYL CHLORIDE FITTINGS	INCLUDES FITTINGS, GLANDS AND RESTRAINT DEVICES DESCRIBED IN POUNDS.
797-08.03	HDPE FITTINGS	LBS.	HIGH DENSITY POLYETHYLENE FITTINGS	INCLUDES FITTINGS, FUSION, GLANDS AND RESTRAINT DEVICES DESCRIBED IN POUNDS.
797-08.04	4" PVC PIPE FOR SERVICE LATERAL	L.F.	4" POLYVINYL CHLORIDE PIPE FOR SERVICE LATERAL	1
797-08.05	6" PVC PIPE FOR SERVICE LATERAL	L.F.	6" POLYVINYL CHLORIDE PIPE FOR SERVICE LATERAL	1
797-08.06	8" PVC PIPE FOR SERVICE LATERAL	L.F.	8" POLYVINYL CHLORIDE PIPE FOR SERVICE LATERAL	1
797-08.07	4" CLEAN OUT ASSEMBLY	EACH	4" CLEAN OUT ASSEMBLY	6
797-08.08	6" CLEAN OUT ASSEMBLY	EACH	6" CLEAN OUT ASSEMBLY	6
797-08.09	8" CLEAN OUT ASSEMBLY	EACH	8" CLEAN OUT ASSEMBLY	6
797-08.10	2IN LOW PRESS SERVICE ASSEMBLY	EACH	2IN LOW PRESS SERVICE ASSEMBLY	
797-08.11	2IN CLEAN OUT ASSEMBLY	EACH	2IN CLEAN OUT ASSEMBLY	
797-08.12	2IN END OF LINE FLUSHING ASSEMBLY	EACH	2IN END OF LINE FLUSHING ASSEMBLY	
797-08.13	3IN END OF LINE FLUSHING ASSEMBLY	EACH	3IN END OF LINE FLUSHING ASSEMBLY	
797-08.14	1-1/2IN LOW PRESSURE SERVICE ASSEMBLY	EACH	1-1/2IN LOW PRESSURE SERVICE ASSEMBLY	
797-08.15	ADJUSTMENT OF EXISTING CLEAN OUT	EACH	ADJUSTMENT OF EXISTING CLEAN OUT	
797-08.20	CONNECT SERVICE LINES (ALL SIZES)	EACH	CONNECT SERVICE LINES (ALL SIZES)	
797-08.23	1 1/4IN PVC SERVICE LINE	L.F.	1 1/4IN PVC SERVICE LINE	

SEWER 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)
797-08.34	8IN INSERTION VALVE	EACH	8IN INSERTION VALVE	
797-08.35	10IN INSERTION VALVE	EACH	10IN INSERTION VALVE	
797-08.36	12IN INSERTION VALVE	EACH	12IN INSERTION VALVE	
797-08.37	14IN INSERTION VALVE	EACH	14IN INSERTION VALVE	
797-08.38	16IN INSERTION VALVE	EACH	16IN INSERTION VALVE	
797-08.39	36IN INSERTION VALVE	EACH	36IN INSERTION VALVE	
797-08.40	4INx2IN TAP SLEEVE AND 2IN PLUG VALVE	EACH	4INx2IN TAP SLEEVE AND 2IN PLUG VALVE	
797-08.48	6IN X 12IN TAP SLEEVE & VALVE ASSEMBLY	EACH	6IN X 12IN TAP SLEEVE & VALVE ASSEMBLY	
797-08.56	18IN X 2IN TAP SADDLE W/PLUG ASSEMBLY	EACH	18IN X 2IN TAP SADDLE W/PLUG ASSEMBLY	
797-08.60	2IN GATE VALVE ASSEMBLY	EACH	2IN GATE VALVE ASSEMBLY	
797-08.61	4IN GATE VALVE ASSEMBLY	EACH	4IN GATE VALVE ASSEMBLY	
797-08.62	6IN GATE VALVE ASSEMBLY	EACH	6IN GATE VALVE ASSEMBLY	
797-08.65	12IN GATE VALVE ASSEMBLY	EACH	12IN GATE VALVE ASSEMBLY	
797-08.67	16IN GATE VALVE ASSEMBLY	EACH	16IN GATE VALVE ASSEMBLY	
797-08.80	HDD 2IN PVC	L.F.	HDD 2IN PVC	
797-09.01	1IN BALL VALVE	EACH	1IN BALL VALVE	8
797-09.02	1-1/4IN BALL VALVE	EACH	1-1/4IN BALL VALVE	8
797-09.03	1-1/2IN BALL VALVE	EACH	1-1/2IN BALL VALVE	8
797-09.04	2IN PVC BALL VALVE	EACH	2IN POLYVINYL CHLORIDE BALL VALVE	8
797-09.05	3IN PVC BALL VALVE	EACH	3IN POLYVINYL CHLORIDE BALL VALVE	8
797-09.06	4IN PLUG VALVE ASSEMBLY	EACH	4IN PLUG VALVE ASSEMBLY	6
797-09.07	6IN PLUG VALVE ASSEMBLY	EACH	6IN PLUG VALVE ASSEMBLY	6
797-09.08	8IN PLUG VALVE ASSEMBLY	EACH	8IN PLUG VALVE ASSEMBLY	6
797-09.09	10IN PLUG VALVE ASSEMBLY	EACH	10IN PLUG VALVE ASSEMBLY	6
797-09.10	12IN PLUG VALVE ASSEMBLY	EACH	12IN PLUG VALVE ASSEMBLY	6
797-09.11	16IN PLUG VALVE ASSEMBLY	EACH	16IN PLUG VALVE ASSEMBLY	6
797-09.12	18IN PLUG VALVE ASSEMBLY	EACH	18IN PLUG VALVE ASSEMBLY	6
797-09.13	20IN PLUG VALVE ASSEMBLY	EACH	20IN PLUG VALVE ASSEMBLY	6
797-09.14	30IN PLUG VALVE ASSEMBLY	EACH	30IN PLUG VALVE ASSEMBLY	6
797-09.15	24IN PLUG VALVE ASSEMBLY	EACH	24IN PLUG VALVE ASSEMBLY	6
797-09.16	36IN PLUG VALVE ASSEMBLY	EACH	36IN PLUG VALVE ASSEMBLY	6
797-09.17	1/2IN COMBO AIR RELEASE VALVE ASSEMBLY	EACH	1/2IN COMBO AIR RELEASE VALVE ASSEMBLY	6
797-09.18	3/4IN COMBO AIR RELEASE VALVE ASSEMBLY	EACH	3/4IN COMBO AIR RELEASE VALVE ASSEMBLY	6
797-09.19	1IN COMBO AIR RELEASE VALVE ASSEMBLY	EACH	1IN COMBO AIR RELEASE VALVE ASSEMBLY	6
797-09.20	2IN COMBO AIR RELEASE VALVE ASSEMBLY	EACH	2IN COMBO AIR RELEASE VALVE ASSEMBLY	6
797-09.21	3IN COMBO AIR RELEASE VALVE ASSEMBLY	EACH	3IN COMBO AIR RELEASE VALVE ASSEMBLY	6
797-09.22	4IN COMBO AIR RELEASE VALVE ASSEMBLY	EACH	4IN COMBO AIR RELEASE VALVE ASSEMBLY	6
797-09.23	1/2IN AIR/VAC VALVE ASSEMBLY	EACH	1/2IN AIR/VAC VALVE ASSEMBLY	6
797-09.24	3/4IN AIR/VAC VALVE ASSEMBLY	EACH	3/4IN AIR/VAC VALVE ASSEMBLY	6
797-09.25	1IN AIR/VAC VALVE ASSEMBLY	EACH	1IN AIR/VAC VALVE ASSEMBLY	6
797-09.26	2IN AIR/VAC VALVE ASSEMBLY	EACH	2IN AIR/VAC VALVE ASSEMBLY	6
797-09.27	3IN AIR/VAC VALVE ASSEMBLY	EACH	3IN AIR/VAC VALVE ASSEMBLY	6
797-09.28	4IN AIR/VAC VALVE ASSEMBLY	EACH	4IN AIR/VAC VALVE ASSEMBLY	6
797-09.31	3IN CORE AND BOOT WETWELL	EACH	3IN CORE AND BOOT WETWELL	
797-09.40	CUT AND CAP (ALL LINES)	EACH	CUT AND CAP (ALL LINES)	
797-09.41	CUT AND CAP 2IN FORCE MAIN	EACH	CUT AND CAP 2IN FORCE MAIN	
797-09.42	CUT AND CAP 3IN FORCE MAIN	EACH	CUT AND CAP 3IN FORCE MAIN	
797-09.43	CUT AND CAP 4IN FORCE MAIN	EACH	CUT AND CAP 4IN FORCE MAIN	

SEWER 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)
797-09.44	CUT AND CAP 8IN GRAVITY	EACH	CUT AND CAP 8IN GRAVITY	
797-09.45	CUT AND CAP 12IN GRAVITY	EACH	CUT AND CAP 12IN GRAVITY	
797-09.46	CUT AND CAP 6IN FORCE MAIN	EACH	CUT AND CAP 6IN FORCE MAIN	
797-09.47	CUT AND CAP 8IN FORCE MAIN	EACH	CUT AND CAP 8IN FORCE MAIN	
797-09.51	2IN PLUG VALVE W/CHECK VALVE ASSEMBLY	EACH	2IN PLUG VALVE W/CHECK VALVE ASSEMBLY	
797-09.52	4IN PLUG VALVE W/CHECK VALVE ASSEMBLY	EACH	4IN PLUG VALVE W/CHECK VALVE ASSEMBLY	
797-09.53	6IN PLUG VALVE W/CHECK VALVE ASSEMBLY	EACH	6IN PLUG VALVE W/CHECK VALVE ASSEMBLY	
797-09.61	3IN BACKFLOW VALVE	EACH	3IN BACKFLOW VALVE	
797-09.62	4IN BACKFLOW VALVE	EACH	4IN BACKFLOW VALVE	
797-09.63	6IN BACKFLOW VALVE	EACH	6IN BACKFLOW VALVE	
797-09.70	2IN HDPE BALL VALVE	EACH	2IN HDPE BALL VALVE	
797-09.90	36IN LINE STOP	EACH	36IN LINE STOP	
797-09.91	12IN LINE STOP	EACH	12IN LINE STOP	
797-09.92	16IN LINE STOP	EACH	16IN LINE STOP	
797-10.01	CONNECT 6IN SEWER TO EXIST. MANHOLE	EACH	CONNECT 6IN SEWER TO EXISTING MANHOLE	3
797-10.02	CONNECT 8IN SEWER TO EXIST. MANHOLE	EACH	CONNECT 8IN SEWER TO EXISTING MANHOLE	3
797-10.03	CONNECT 10-18IN SEWER TO EXIST. MANHOLE	EACH	CONNECT 10-18IN SEWER TO EXISTING MANHOLE	3
797-10.04	CONNECT >18IN SEWER TO EXIST. MANHOLE	EACH	CONNECT >18IN SEWER TO EXISTING MANHOLE	3
797-10.05	CONNECT 4" LATERAL TO SEWER LINE	EACH	CONNECT 4" LATERAL TO SEWER LINE	3
797-10.06	CONNECT 6" LATERAL TO SEWER LINE	EACH	CONNECT 6" LATERAL TO SEWER LINE	3
797-10.07	CONNECT 8" LATERAL TO SEWER LINE	EACH	CONNECT 8" LATERAL TO SEWER LINE	3
797-10.08	CONNECT EX. 6IN SEWER TO NEW MANHOLE	EACH	CONNECT EXISTING 6IN SEWER TO NEW MANHOLE	3
797-10.09	CONNECT EX. 8IN SEWER TO NEW MANHOLE	EACH	CONNECT EXISTING 8IN SEWER TO NEW MANHOLE	3
797-10.10	CONNECT EX.10-18IN SEWER TO NEW MANHOLE	EACH	CONNECT EXISTING 10-18IN SEWER TO NEW MANHOLE	3
797-10.11	CONNECT EX. >18IN SEWER TO NEW MANHOLE	EACH	CONNECT EXISTING >18IN SEWER TO NEW MANHOLE	3
797-10.12	CONNECT TO EXISTING PUMP STATION	EACH	CONNECT TO EXISTING PUMP STATION	3
797-10.13	CONNECT TO <2IN FORCE MAIN	EACH	CONNECT TO <2IN FORCE MAIN	3
797-10.14	CONNECT TO 2IN FORCE MAIN	EACH	CONNECT TO 2IN FORCE MAIN	3
797-10.15	CONNECT TO 3IN FORCE MAIN	EACH	CONNECT TO 3IN FORCE MAIN	3
797-10.16	CONNECT TO 4IN FORCE MAIN	EACH	CONNECT TO 4IN FORCE MAIN	3
797-10.17	CONNECT TO 6IN FORCE MAIN	EACH	CONNECT TO 6IN FORCE MAIN	3
797-10.18	CONNECT TO 8IN FORCE MAIN	EACH	CONNECT TO 8IN FORCE MAIN	3
797-10.19	CONNECT TO 10IN FORCE MAIN	EACH	CONNECT TO 10IN FORCE MAIN	3
797-10.20	CONNECT TO 12IN FORCE MAIN	EACH	CONNECT TO 12IN FORCE MAIN	3
797-10.21	CONNECT TO 16IN FORCE MAIN	EACH	CONNECT TO 16IN FORCE MAIN	3
797-10.22	CONNECT TO 20IN FORCE MAIN	EACH	CONNECT TO 20IN FORCE MAIN	3
797-10.23	CONNECT TO 24IN FORCE MAIN	EACH	CONNECT TO 24IN FORCE MAIN	3
797-10.24	REMOVE & REPLACE SEWER PUMP STATION	LS	REMOVE & REPLACE SEWER PUMP STATION	
797-10.25	RELOCATE SEWER PUMPING STATION FACILITY	EACH	RELOCATE SEWER PUMPING STATION FACILITY	
797-10.26	CONNECT PUMP STATION TO FORCE MAIN	EACH	CONNECT PUMP STATION TO FORCE MAIN	
797-10.27	CONNECT TO 36IN FORCE MAIN	EACH	CONNECT TO 36IN FORCE MAIN	
797-10.28	CONNECT EX 4IN SEWER TO NEW MANHOLE	EACH	CONNECT EX 4IN SEWER TO NEW MANHOLE	
797-10.30	CONNECT 4IN SEWER TO EXIST. MANHOLE	EACH	CONNECT 4IN SEWER TO EXIST. MANHOLE	
797-10.31	RESIDENTIAL GRINDER PUMP STATION	EACH	RESIDENTIAL GRINDER PUMP STATION	
797-10.32	PUMP STATION	LS	PUMP STATION	
797-10.33	PUMP STATION #2	LS	PUMP STATION #2	
797-10.34	REMOVE EXISTING PUMP STATION	LS	REMOVE EXISTING PUMP STATION	
797-10.35	REMOVE EXISTING PUMP STATION #2	LS	REMOVE EXISTING PUMP STATION #2	

SEWER 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)
797-10.36	PUMP STATION RETIRE IN PLACE	LS	PUMP STATION RETIRE IN PLACE	
797-10.39	CONNECT TO 36IN SEWER	LS	CONNECT TO 36IN SEWER	
797-10.41	CONNECT 8IN PVC TO EXISTING SEWER LINE	EACH	CONNECT 8IN PVC TO EXISTING SEWER LINE	
797-10.42	REMOVE AND REPLACE SEWER PUMP STATION 2	LS	REMOVE AND REPLACE SEWER PUMP STATION 2	
797-10.43	CONNECT 8IN GRAVITY TO PUMP STATION	EACH	CONNECT 8IN GRAVITY TO PUMP STATION	
797-10.44	CONNECT 2-1/2IN PVC TO EXISTING MANHOLE	EACH	CONNECT 2-1/2IN PVC TO EXISTING MANHOLE	
797-11.01	6IN POINT REPAIR	L.F.	6IN POINT REPAIR	8
797-11.02	8IN POINT REPAIR	L.F.	8IN POINT REPAIR	8
797-11.03	10IN POINT REPAIR	L.F.	10IN POINT REPAIR	8
797-11.04	12IN POINT REPAIR	L.F.	12IN POINT REPAIR	8
797-11.05	16IN POINT REPAIR	L.F.	16IN POINT REPAIR	8
797-11.06	18IN POINT REPAIR	L.F.	18IN POINT REPAIR	8
797-11.07	24IN POINT REPAIR	L.F.	24IN POINT REPAIR	8
797-11.08	30IN POINT REPAIR	L.F.	30IN POINT REPAIR	8
797-11.09	36IN POINT REPAIR	L.F.	36IN POINT REPAIR	8
797-11.10	48" MANHOLE REHABILITATION	V.L.F.	48" MANHOLE REHABILITATION	13
797-11.11	60" MANHOLE REHABILITATION	V.L.F.	60" MANHOLE REHABILITATION	13
797-11.12	72" MANHOLE REHABILITATION	V.L.F.	72" MANHOLE REHABILITATION	13
797-11.13	84" MANHOLE REHABILITATION	V.L.F.	84" MANHOLE REHABILITATION	13
797-11.14	96" MANHOLE REHABILITATION	V.L.F.	96" MANHOLE REHABILITATION	13
797-11.15	48" MH ADJUSTMENT INCREASE HEIGHT	V.L.F.	48" MH ADJUSTMENT INCREASE HEIGHT	11
797-11.16	60" MH ADJUSTMENT INCREASE HEIGHT	V.L.F.	60" MH ADJUSTMENT INCREASE HEIGHT	11
797-11.17	72" MH ADJUSTMENT INCREASE HEIGHT	V.L.F.	72" MH ADJUSTMENT INCREASE HEIGHT	11
797-11.18	84" MH ADJUSTMENT INCREASE HEIGHT	V.L.F.	84" MH ADJUSTMENT INCREASE HEIGHT	11
797-11.19	96" MH ADJUSTMENT INCREASE HEIGHT	V.L.F.	96" MH ADJUSTMENT INCREASE HEIGHT	11
797-11.20	48" MH ADJUSTMENT DECREASE HEIGHT	V.L.F.	48" MH ADJUSTMENT DECREASE HEIGHT	11
797-11.21	60" MH ADJUSTMENT DECREASE HEIGHT	V.L.F.	60" MH ADJUSTMENT DECREASE HEIGHT	11
797-11.22	72" MH ADJUSTMENT DECREASE HEIGHT	V.L.F.	72" MH ADJUSTMENT DECREASE HEIGHT	11
797-11.23	84" MH ADJUSTMENT DECREASE HEIGHT	V.L.F.	84" MH ADJUSTMENT DECREASE HEIGHT	11
797-11.24	96" MH ADJUSTMENT DECREASE HEIGHT	V.L.F.	96" MH ADJUSTMENT DECREASE HEIGHT	11
797-11.25	RETIREIN PLACE 48" MANHOLE	EACH	RETIRE IN PLACE 48" MANHOLE	12
797-11.26	RETIREIN PLACE 60" MANHOLE	EACH	RETIRE IN PLACE 60" MANHOLE	12
797-11.27	RETIREIN PLACE 72" MANHOLE	EACH	RETIRE IN PLACE 72" MANHOLE	12
797-11.28	RETIREIN PLACE 84" MANHOLE	EACH	RETIRE IN PLACE 84" MANHOLE	12
797-11.29	RETIREIN PLACE 96" MANHOLE	EACH	RETIRE IN PLACE 96" MANHOLE	12
797-11.30	RETIREIN PLACE EXISTING SEWER <8IN	L.F.	RETIRE IN PLACE EXISTING SEWER <8IN	9
797-11.31	RETIREIN PLACE EXISTING SEWER 8IN-14IN	L.F.	RETIRE IN PLACE EXISTING SEWER 8IN-14IN	9
797-11.32	RETIREIN PLACE EXISTING SEWER 15IN-24IN	L.F.	RETIRE IN PLACE EXISTING SEWER 15IN-24IN	9
797-11.33	RETIREIN PLACE EXISTING SEWER >24IN	L.F.	RETIRE IN PLACE EXISTING SEWER >24IN	9
797-11.34	REMOVE EXISTING SEWER <8IN	L.F.	REMOVE EXISTING SEWER <8IN	9
797-11.35	REMOVE EXISTING SEWER 8IN-14IN	L.F.	REMOVE EXISTING SEWER 8IN-14IN	9
797-11.36	REMOVE EXISTING SEWER 15IN-24IN	L.F.	REMOVE EXISTING SEWER 15IN-24IN	9
797-11.37	REMOVE EXISTING SEWER >24IN	L.F.	REMOVE EXISTING SEWER >24IN	9
797-11.38	BY-PASS PUMPING	LS	BY-PASS PUMPING	8
797-11.39	TV INSPECTION	L.F.	TV INSPECTION	INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, CLEANING OF SEWER LINE ROOT REMOVAL IF REQUIRED, SEWER FLOW CONTROL, TELEVISION INSPECTION, WRITTEN LOG, COPY OF INSPECTION DVD, AND ALL APPURTENANCES COMPLETE IN PLACE

SEWER 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)
797-11.40	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
797-11.41	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
797-11.42	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
797-11.43	BRIDGE HANGER SYSTEM	LS	INSTALL BRIDGE HANGER SYSTEM AND PIPE PER THE UTILITY SPECIFICATIONS AND DRAWINGS	
797-11.44	STREAM CROSSING (#)	LS	STREAM CROSSING (#)	
797-11.45	PIPE CHECK DAM	C.Y.	PIPE CHECK DAM	
797-11.46	CONCRETE CAP	C.Y.	CONCRETE CAP	
797-11.47	STREAM CROSSING (#)	LS	STREAM CROSSING (#)	
797-11.48	STREAM CROSSING (#)	LS	STREAM CROSSING (#)	
797-11.49	STREAM CROSSING (#)	LS	STREAM CROSSING (#)	
797-11.50	FRAME AND COVER (WATERTIGHT)	EACH	FRAME AND COVER (WATERTIGHT)	
797-11.51	REMOVE SEPTIC SYSTEM	EACH	REMOVE SEPTIC SYSTEM	
797-11.52	RELOCATE MANHOLE VENT	L.S.	RELOCATE MANHOLE VENT	
797-11.61	REMOVAL OF ASPHALT	S.Y.	REMOVAL OF ASPHALT	
797-11.64	RESTORE CONCRETE CUREB & GUTTER	L.F.	RESTORE CONCRETE CUREB & GUTTER	
797-11.65	REMOVAL OF CONCRETE CURB & GUTTER	L.F.	REMOVAL OF CONCRETE CURB & GUTTER	
797-11.75	ASBESTOS REMOVAL	L.F.	ASBESTOS REMOVAL	
797-11.90	PUMPING ONLY	WK	PUMPING ONLY	
797-11.91	NIGHT/WEEKEND SHIFT	WK	NIGHT/WEEKEND SHIFT	
797-12.06	12IN STEEL CASING	L.F.	12IN STEEL CASING	
797-12.10	2IN HDPE CASING OPEN CUT	L.F.	2IN HDPE CASING OPEN CUT	
797-12.11	4IN HDPE CASING OPEN CUT	L.F.	4IN HDPE CASING OPEN CUT	
797-12.12	6IN HDPE CASING OPEN CUT	L.F.	6IN HDPE CASING OPEN CUT	
797-12.13	8IN HDPE CASING OPEN CUT	L.F.	8IN HDPE CASING OPEN CUT	
797-12.14	10IN HDPE CASING OPEN CUT	L.F.	10IN HDPE CASING OPEN CUT	
797-12.15	12IN HDPE CASING OPEN CUT	L.F.	12IN HDPE CASING OPEN CUT	
797-12.16	14IN HDPE CASING OPEN CUT	L.F.	14IN HDPE CASING OPEN CUT	
797-12.17	16IN HDPE CASING OPEN CUT	L.F.	16IN HDPE CASING OPEN CUT	
797-13.01	12IN DIP SLIP JOINT RECLAIMED WATER LINE	L.F.	12IN DIP SLIP JOINT RECLAIMED WATER LINE	
797-13.02	12IN BUTTERFLY VALVE ASSEMBLY	EACH	12IN BUTTERFLY VALVE ASSEMBLY	
797-13.03	FIRE HYDRANT ASSEMBLY	EACH	FIRE HYDRANT ASSEMBLY	
797-13.04	16IN BUTTERFLY VALVE ASSEMBLY	EACH	16IN BUTTERFLY VALVE ASSEMBLY	
797-13.05	CREEK CROSSING (# __)	LS	CREEK CROSSING (# __)	
797-13.06	CREEK CROSSING (# __)	LS	CREEK CROSSING (# __)	
797-13.50	CONNECT TO 12IN RECLAIMED WATER LINE	EACH	CONNECT TO 12IN RECLAIMED WATER LINE	
797-14.01	EFFLUENT SAMPLING STATION	EACH	EFFLUENT SAMPLING STATION	
797-14.02	3/4 IN. COPPER TUBING	L.F.	3/4 IN. COPPER TUBING	
797-14.50	18IN RCP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	18IN RCP GRAVITY SEWER 0FT-6FT DEPTH	
797-14.51	18IN RCP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	18IN RCP GRAVITY SEWER 6FT-12FT DEPTH	
797-14.52	18IN RCP GRAVITY SEWER 12FT-18FT DEPTH	L.F.	18IN RCP GRAVITY SEWER 12FT-18FT DEPTH	
797-14.53	18IN RCP GRAVITY SEWER >18FT DEPTH	L.F.	18IN RCP GRAVITY SEWER >18FT DEPTH	
797-14.54	24IN RCP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	24IN RCP GRAVITY SEWER 0FT-6FT DEPTH	
797-14.57	24IN RCP GRAVITY SEWER >18FT DEPTH	L.F.	24IN RCP GRAVITY SEWER >18FT DEPTH	
797-14.58	36IN RCP GRAVITY SEWER 0FT-6FT DEPTH	L.F.	36IN RCP GRAVITY SEWER 0FT-6FT DEPTH	

SEWER ITEMS

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797-14.60	36IN RCP GRAVITY SEWER 6FT-12FT DEPTH	L.F.	36IN RCP GRAVITY SEWER 6FT-12FT DEPTH	
797-15.01	HDD 3IN HDPE CARRIER PIPE-UNCON	L.F.	HDD 3IN HDPE CARRIER PIPE-UNCON	
797-15.02	HDD 3IN FPVC CARRIER PIPE-UNCON	L.F.	HDD 3IN FPVC CARRIER PIPE-UNCON	
797-15.50	MICRO TUNNELING (ROCK) W/48IN STEEL CSNG	L.F.	MICRO TUNNELING (ROCK) W/48IN STEEL CASING	
797-15.60	16IN STEEL CASING	L.F.	16IN STEEL CASING	
797-16.01	4IN C900 PVC FORCE MAIN	L.F.	4IN C900 PVC FORCE MAIN	
797-16.02	6IN C900 PVC FORCE MAIN	L.F.	6IN C900 PVC FORCE MAIN	
797-16.03	8IN C900 PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	8IN C900 PVC GRAVITY SEWER 0FT-6FT DEPTH	
797-16.04	8IN C900 PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	8IN C900 PVC GRAVITY SEWER 6FT-12FT DEPTH	
797-16.05	8IN C900 PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	8IN C900 PVC GRAVITY SEWER 12FT-18FT DEPTH	
797-16.06	8IN C900 PVC GRAVITY SEWER >18FT DEPTH	L.F.	8IN C900 PVC GRAVITY SEWER >18FT DEPTH	
797-16.10	16IN PVC GRAVITY SEWER 0FT-6FT DEPTH	L.F.	16IN PVC GRAVITY SEWER 0FT-6FT DEPTH	
797-16.11	16IN PVC GRAVITY SEWER 6FT-12FT DEPTH	L.F.	16IN PVC GRAVITY SEWER 6FT-12FT DEPTH	
797-16.12	16IN PVC GRAVITY SEWER 12FT-18FT DEPTH	L.F.	16IN PVC GRAVITY SEWER 12FT-18FT DEPTH	
797-16.13	16IN PVC GRAVITY SEWER >18FT DEPTH	L.F.	16IN PVC GRAVITY SEWER >18FT DEPTH	
797-30.21	OPEN CUT 4IN PVC CASING PIPE	L.F.	OPEN CUT 4IN PVC CASING PIPE	
797-30.22	OPEN CUT 6IN PVC CASING PIPE	L.F.	OPEN CUT 6IN PVC CASING PIPE	
797-30.23	OPEN CUT 8IN PVC CASING PIPE	L.F.	OPEN CUT 8IN PVC CASING PIPE	
797-30.24	OPEN CUT 12IN PVC CASING PIPE	L.F.	OPEN CUT 12IN PVC CASING PIPE	
797-30.25	OPEN CUT 16IN PVC CASING PIPE	L.F.	OPEN CUT 16IN PVC CASING PIPE	
797-40.01	CONCRETE ENCASEMENT	L.F.	CONCRETE ENCASEMENT	
797-40.02	PIPE GROUTING	LS	PIPE GROUTING	
797-40.03	MULTIPAIR SHIELDED INSTRUMENTATION CABLE	L.F.	MULTIPAIR SHIELDED INSTRUMENTATION CABLE	
797-99.01	RESERVED FOR TDOT USE	L.T.	RESERVED FOR TDOT USE	
797-99.02	RESERVED FOR TDOT USE	L.T.	RESERVED FOR TDOT USE	
797-99.03	RESERVED FOR TDOT USE	L.T.	RESERVED FOR TDOT USE	
797-99.04	RESERVED FOR TDOT USE	L.T.	RESERVED FOR TDOT USE	
797-99.05	RESERVED FOR TDOT USE	L.T.	RESERVED FOR TDOT USE	
				FOOTNOTES TO BE INCLUDED ON PLANS
				FOOTNOTE 1: INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE EXCAVATION INCLUDING BUT NOT LIMITED TO BEDDING, BACKFILLING, THRUST BLOCKING, PIPE FUSION, APPURTENANCES, FLOWABLE FILL, MAINTAINING THE TRENCH, TESTING, CHECK DAMS, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE FOR GRAVITY SEWER LINES OR FORCE MAINS AS SPECIFIED ON THE PLANS. DUCTILE IRON PIPE GRAVITY SEWER LINES SHALL BE EPOXY LINED.
				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 UNCASSED CARRIER PIPE IN BOTH UNCONSOLIDATED SOIL OR ROCK. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.

SEWER ITEMS

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				<p>FOOTNOTE 3: INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY FOR CONNECTING TO AN EXISTING FORCE MAIN, SEWER LINE, PUMP STATION, OR MANHOLE AS SPECIFIED ON PLANS, INCLUDING TRAFFIC CONTROL.</p>
				<p>FOOTNOTE 4: INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY FOR INSTALLATION OF PRECAST MANHOLE BOTH PREFORMED BASE OR OPEN BOTTOM (DOGHOUSE), INCLUDING BUT NOT LIMITED TO VENT ASSEMBLY (WHERE REQUIRED), CRUSHED STONE, PIPE TO MANHOLE CONNECTORS, EXCAVATION, BACKFILL, BUTYL RESIN GASKET, MANHOLE STEPS, ASPHALTIC WATERPROOFING, FRAME AND COVER, AND TRAFFIC CONTROL.</p>
				<p>FOOTNOTE 5: INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BOT NOT LIMITED TO VALVE, VALVE BOX, BOX ADJUSTMENT, VALVE BOX COLLAR, VALVE MARKER, EXCAVATION, BEDDING, BACKFILL, BLOCKING, AND TRAFFIC CONTROL.</p>
				<p>FOOTNOTE 6: INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT, INCLUDING BUT NOT LIMITED TO MACHINERY, TOOLS, OR APPARATUS NECESSARY FOR INSTALLATION OF ASSEMBLIES AS DESCRIBED AND DETAILED IN THE PLANS AND SPECS.</p>
				<p>FOOTNOTE 7: INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE INSTALLATION OF SERVICE LINE OR CASING FOR SERVICE LINE INCLUDING TRAFFIC CONTROL.</p>
				<p>FOOTNOTE 8: INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR INTERNAL OR EXTERNAL POINT REPAIRS AS SPECIFIED ON THE BID FORM.</p>
				<p>FOOTNOTE 9: INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR RETIRE IN PLACE OR REMOVE ITEMS AS SPECIFIED ON THE BID FORM INCLUDING TRAFFIC CONTROL.</p>
				<p>FOOTNOTE 10: INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CASING PIPE, PIPE SPACERS, CASING END SEALS, ANY OTHER APPURTENANCE TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS, AND TRAFFIC CONTROL. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.</p>
				<p>FOOTNOTE 11: INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR INCREASEING OR DECREASING HEIGHT OF MANHOLE TO FINISHED ROAD GRADE, INCLUDING BUT NOT LIMITED TO ADDITION OR REMOVAL OF BARREL SECTIONS OR FRAME RINGS AND ADJUSTMENTS TO FRAME AND COVER.</p>

SEWER 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)
				FOOTNOTE 12: INCLUDES ALL LABOR, EQUIPMENT, DISPOSAL OF WASTE MATERIAL, DRILLING HOLES IN BASE FOR PROPER DRAINAGE, REMOVAL OF NECESSARY BARRAL SECTIONS FOR PROPER GRADE AND STONE BACKFILL.
				FOOTNOTE 13: INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, FOR COMPLETE REHABILITATION OF MANHOLE BUT NOT LIMITED TO STRUCTURAL REPAIR, SEALING/COATING OF INTERIOR, AND TESTING.
				FOOTNOTE 14: INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CASING PIPE, PIPE SPACERS, CASING END SEALS, STONE BACKFILL, TEMPORARY PAVEMENT, AND ANY OTHER APPURTENANCE TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS, AND TRAFFIC CONTROL.