

SUMMARY OF NATURAL GAS QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
665-0015	STEEL GAS MAIN, 2-INCH	LF	435
(SEE NOTE 1)	CONNECT TO EXISTING 2-INCH STEEL GAS MAIN	EA	2
	CUT AND CAP EXISTING 2-INCH STEEL GAS MAIN	EA	2
	2-INCH LINE TAPPING AND PLUGGING FITTING (LTPF-1)	EA	2
	2-INCH STEEL L.R. 90° BEND, STANDARD WEIGHT	EA	4
	2-INCH STEEL L.R. 45° BEND, STANDARD WEIGHT	EA	2
	2-INCH STEEL CAP, STANDARD WEIGHT	EA	2
	NON-METALLIC WARNING TAPE	LF	435

SUMMARY OF SANITARY SEWER QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
660-0808	SANITARY SEWER PIPE, 8-INCH, DUCTILE IRON	LF	790
660-0804	SANITARY SEWER PIPE, 4-INCH, DUCTILE IRON	LF	150
668-3300	SANITARY SEWER MANHOLE, TP-1 (4-FOOT DIAMETER)	EA	7
668-3311	SANITARY SEWER MANHOLE, TP-1, ADDITIONAL DEPTH, CL-1	LF	2
(SEE NOTE 2)	CAST IRON MANHOLE FRAME AND COVER	EA	7
(SEE NOTE 3)	TEMPORARY SERVICE CONNECTION PLUG	EA	6
(SEE NOTE 4)	SANITARY SEWER SERVICE CLEANOUT	EA	6
(SEE NOTE 5)	FILL AND ABANDON EXISTING MANHOLE	EA	3

SUMMARY OF WATER QUANTITIES

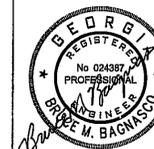
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
670-1080	WATER MAIN, 8-INCH, DUCTILE IRON	LF	780
670-1500	CAP OR REMOVE EXISTING WATER MAIN	EA	2
670-3087	TAPPING SLEEVE AND VALVE ASSEMBLY, 8"x8"	EA	2
670-4000	FIRE HYDRANT	EA	1
670-5620	WATER SERVICE LINE, 3/4-INCH	LF	130
670-8310	DOUBLE STRAP SADDLE, 8"x3/4"	EA	5
670-9920	REMOVE EXISTING FIRE HYDRANT	EA	1
500-3101	CLASS A CONCRETE (FOR THRUST RESTRAINTS)	CY	2
(SEE NOTE 7)	SERVICE CONNECTION ASSEMBLY	EA	5
(SEE NOTE 8)	8-INCH DUCTILE IRON 45° BEND, WITH THRUST RESTRAINT	EA	1
	8-INCH DUCTILE IRON 90° BEND, WITH THRUST RESTRAINT	EA	2

NOTES:

1. THESE NATURAL GAS ITEMS ARE CONSIDERED INCIDENTAL TO GAS MAIN CONSTRUCTION AND WILL NOT BE MEASURED FOR PAYMENT OR PAID FOR SEPARATELY. THE ASSOCIATED COST SHALL BE INCLUDED IN THE BID PRICE FOR STEEL GAS MAIN, 2-INCH.
2. CAST IRON MANHOLE FRAMES AND COVERS ARE CONSIDERED AN INTEGRAL PART OF SANITARY SEWER MANHOLES AND WILL NOT BE MEASURED FOR PAYMENT OR PAID FOR SEPARATELY. THEY SHALL BE INCLUDED IN BID PRICE FOR SANITARY SEWER MANHOLES, TYPE 1.
3. TEMPORARY SERVICE CONNECTION PLUGS ARE CONSIDERED INCIDENTAL TO SANITARY SEWER CONSTRUCTION, AND WILL NOT BE MEASURED FOR PAYMENT OR PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR SANITARY SEWER PIPE, 8 INCH, DUCTILE IRON.
4. 4-INCH SANITARY SEWER CLEANOUTS, REGARDLESS OF PIPE MATERIAL, WILL BE MEASURED FROM SERVICE WYE TO GRADE AND PAID FOR AS SANITARY SEWER PIPE, 4-INCH, DUCTILE IRON IN ACCORDANCE WITH STANDARD SPECIFICATION 660
5. FILL AND ABANDON EXISTING MANHOLES WILL NOT BE MEASURED FOR PAYMENT OR PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE
6. 4-FOOT DIAMETER DOGHOUSE MANHOLES WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 668 AS SANITARY SEWER MANHOLES, TYPE 1.
7. SERVICE CONNECTION ASSEMBLIES ARE CONSIDERED INCIDENTAL TO WATER SERVICE LINE CONSTRUCTION AND WILL NOT BE MEASURED FOR PAYMENT OR PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR WATER SERVICE LINE, 3/4-INCH
8. PIPE FITTINGS ARE CONSIDERED INCIDENTAL TO WATER MAIN CONSTRUCTION AND WILL NOT BE MEASURED FOR PAYMENT OR PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR WATER MAIN, 8-INCH, DUCTILE IRON.



KECK & WOOD, INC.
 2750 PREMIERE PARKWAY
 SUITE 900
 DULUTH, GEORGIA 30097
 Phone: (678) 417-4000
 Fax (678) 417-4055
 ENGINEERS SURVEYORS
 PLANNERS



REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: DISTRICT 2 DESIGN - TENNILLE

UTILITY RELOCATION PLANS

SUMMARY OF QUANTITIES

DRAWING No
 44-03