

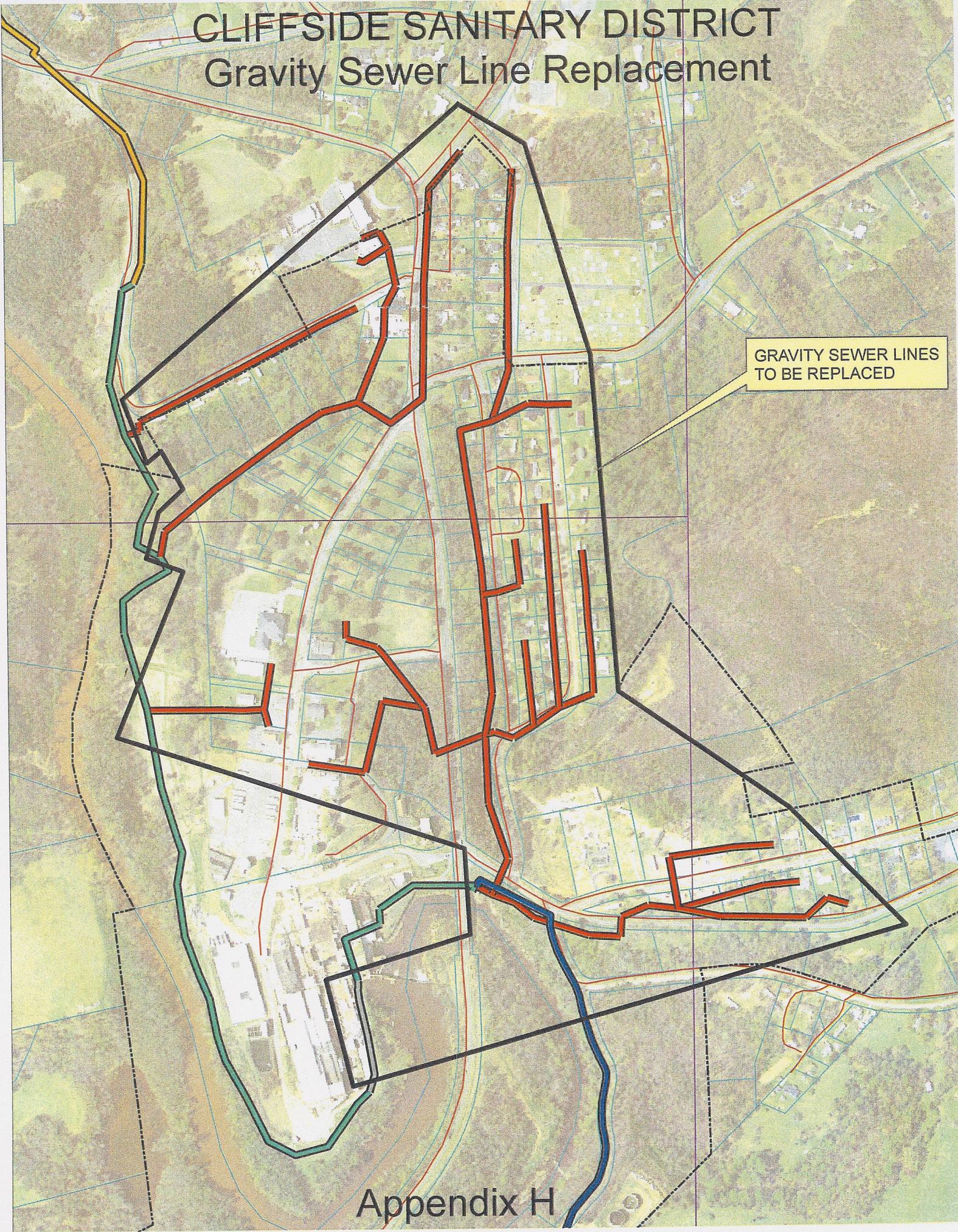
Gravity Sewer Replacement Project

Appendix H

CLIFFSIDE SANITARY DISTRICT Gravity Sewer Line Replacement

GRAVITY SEWER LINES
TO BE REPLACED

Appendix H





Odom
& Associates
Engineering, Inc.

152 East Main Street
Forest City NC 28043
828-247-4495 • 828-247-4498 Fax

CLIFFSIDE SANITARY DISTRICT
GRAVITY LINE REPLACEMENT
RUTHERFORD COUNTY, NORTH CAROLINA
June, 2010

Item Description	Quantity	Unit	Unit Price	Cost
1 Mobilization (5%)	1	LS	\$10,000.00	\$10,000.00
2 Manholes	100	EA	\$2,000.00	\$200,000.00
3 Connect to Exist. Sewer	4	EA	\$2,000.00	\$8,000.00
4 New 8" PVC Sewer Line	19,000	LF	\$40.00	\$760,000.00
5 New 12" DIP Sewer Line	500	LF	\$120.00	\$60,000.00
6 Road Bores	300	LF	\$150.00	\$45,000.00
7 Rock	200	CY	\$75.00	\$15,000.00
8 Driveway Repair	35	EA	\$500.00	\$17,500.00
9 Asphalt Repair	1,000	SY	\$25.00	\$25,000.00
CONSTRUCTION SUBTOTAL				\$1,140,500.00
10 Construction Contingencies (10%)				\$114,050.00
CONSTRUCTION TOTAL				\$1,254,550.00
11 Design Engineering (7%)				\$87,818.50
12 Construction Administration/Inspection (5%)				\$62,727.50
13 Permit Fees				\$1,000.00
14 Right of Way Acquisition				\$5,000.00
15 Surveying				\$10,000.00
PROJECT SUBTOTAL				\$1,421,096.00
USE AS PROJECT ESTIMATE				\$1,425,000.00

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