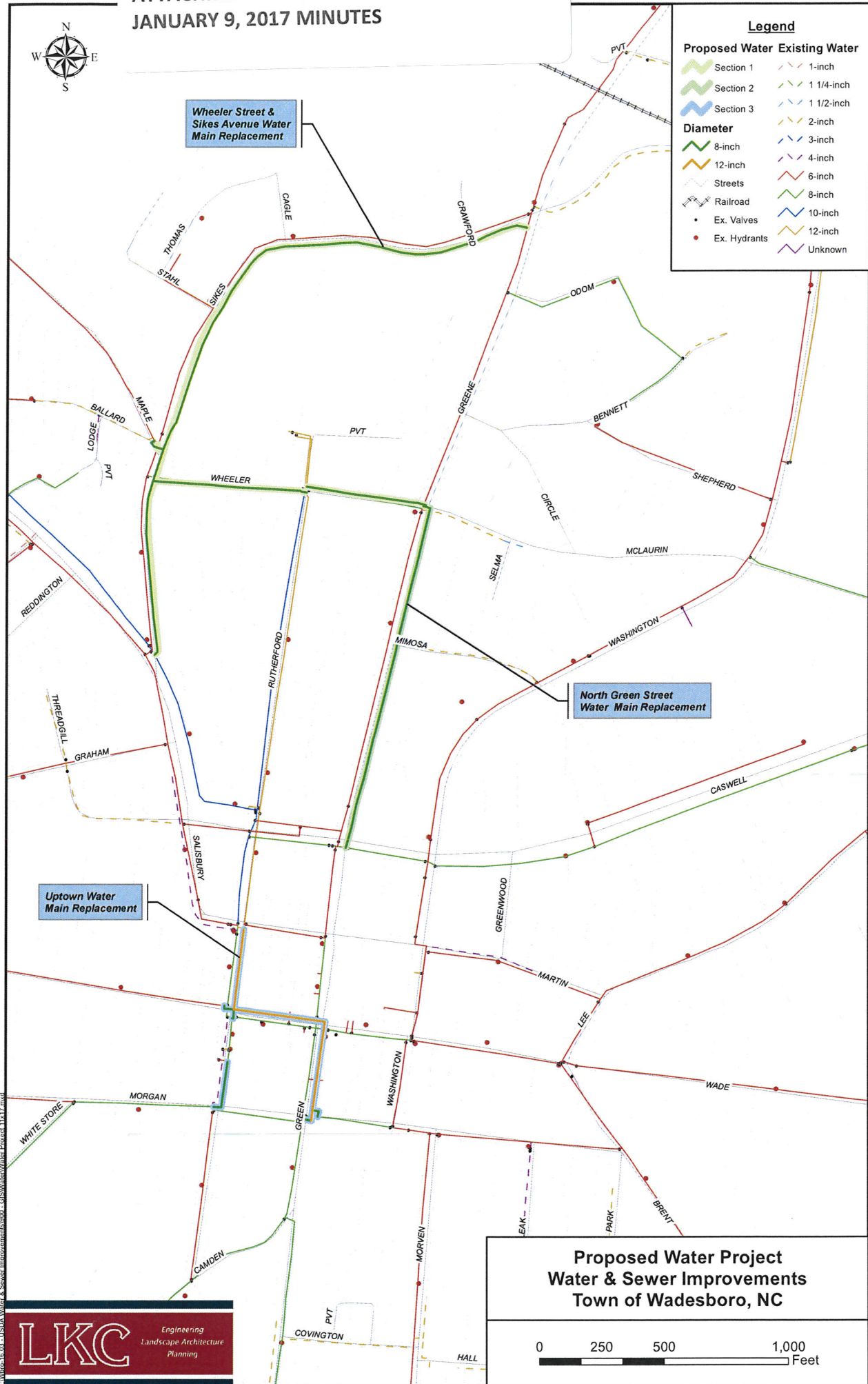


**ATTACHMENT D
JANUARY 9, 2017 MINUTES**



Legend

Proposed Water	Existing Water
Section 1	1-inch
Section 2	1 1/4-inch
Section 3	1 1/2-inch
Diameter	
8-inch	3-inch
12-inch	4-inch
	6-inch
	8-inch
	10-inch
	12-inch
Streets	Unknown
Railroad	
Ex. Valves	
Ex. Hydrants	



Uptown Water Main Replacement

North Green Street Water Main Replacement

Wheeler Street & Sikes Avenue Water Main Replacement

**Proposed Water Project
Water & Sewer Improvements
Town of Wadesboro, NC**

0 250 500 1,000 Feet

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LKC Engineering
Landscape Architecture
Planning

*Town of Wadesboro Water System Improvements
Estimated Project Cost Summary*

Wheeler Street & Sikes Avenue Water Main Replacement	\$ 388,350.00
North Green Street Water Main Replacement	\$ 229,800.00
Uptown Water Main Replacement	\$ 488,900.00
Total Estimated Construction Costs:	\$1,107,050.00
Construction Contingency	\$56,000.00
Survey	\$33,000.00
Preliminary Engineering Report	\$7,500.00
Environmental Report	\$5,000.00
Engineering Design	\$105,000.00
Construction Administration & Inspection	\$70,000.00
Biological Survey	\$7,500.00
Wetland Delineation (If Required)	\$8,000.00
Permitting	\$2,500.00
Legal Fees	\$10,000.00
Bond Counsel	\$12,000.00
Interim Financing	\$46,300.00
Total Estimated Project Cost	\$1,469,850.00
Estimated Debt Service (38 yr term @ 2.5% with 0% Grant)	\$60,366.91

**Town of Wadesboro Water System Improvements
Wheeler Street and Sikes Avenue Water Main Replacement**

Description	Quantity	Unit Price	Extended Price
8" C-900 PVC Water Main	3,600 LF	\$ 35.00	\$ 126,000.00
8" CL 250 DI Water Main	400 LF	\$ 55.00	\$ 22,000.00
8" Gate Valve	12 EA	\$ 2,000.00	\$ 24,000.00
6" Gate Valve	5 EA	\$ 1,200.00	\$ 6,000.00
8" DI Bend/	18 EA	\$ 550.00	\$ 9,900.00
8" x 8" Tee	2 EA	\$ 650.00	\$ 1,300.00
8" x 6" Tee	8 EA	\$ 600.00	\$ 4,800.00
Fire Hydrant Assembly	5 EA	\$ 2,500.00	\$ 12,500.00
Connect to Existing Main	7 EA	\$ 3,000.00	\$ 21,000.00
3/4" Water Service (Short)	20 EA	\$ 850.00	\$ 17,000.00
3/4" Water Service (Long)	21 EA	\$ 1,100.00	\$ 23,100.00
2" Water Service Connection	2 EA	\$ 2,500.00	\$ 5,000.00
Asphalt Removal and Replacement	1,500 SY	\$ 70.00	\$ 105,000.00
Gravel for Driveway Repair	40 TN	\$ 25.00	\$ 1,000.00
Concrete Drive Removal and Replacement	50 SY	\$ 85.00	\$ 4,250.00
Seed, Mulch, & Erosion Control	1.0 AC	\$ 5,500.00	\$ 5,500.00
Estimated Construction Cost			\$ 388,350.00

*Town of Wadesboro Water System Improvements
North Green Street Water Main Replacement*

Description	Quantity	Unit Price	Extended Price
8" C-900 PVC Water Main	900 LF	\$ 35.00	\$ 31,500.00
8" CL 250 DI Water Main	550 LF	\$ 55.00	\$ 30,250.00
8" Gate Valve	4 EA	\$ 2,000.00	\$ 8,000.00
6" Gate Valve	5 EA	\$ 1,200.00	\$ 6,000.00
8" DI Bend/	12 EA	\$ 550.00	\$ 6,600.00
6" DI Bend/	8 EA	\$ 450.00	\$ 3,600.00
8" x 8" Tee	2 EA	\$ 650.00	\$ 1,300.00
8" x 6" Tee	3 EA	\$ 600.00	\$ 1,800.00
Fire Hydrant Assembly	3 EA	\$ 2,500.00	\$ 7,500.00
Connect to Existing Main	5 EA	\$ 3,000.00	\$ 15,000.00
3/4" Water Service (Short)	7 EA	\$ 850.00	\$ 5,950.00
3/4" Water Service (Long)	9 EA	\$ 1,100.00	\$ 9,900.00
2" Water Service Connection	2 EA	\$ 2,500.00	\$ 5,000.00
Asphalt Removal and Replacement	50 SY	\$ 70.00	\$ 3,500.00
DOT Road Open Cut & Patch	375 SY	\$ 95.00	\$ 35,625.00
DOT Road Milling & Overlay	200 tn	\$ 225.00	\$ 45,000.00
Gravel for Driveway Repair	5 TN	\$ 25.00	\$ 125.00
Concrete Drive Removal and Replacement	90 SY	\$ 85.00	\$ 7,650.00
Seed, Mulch, & Erosion Control	1.0 AC	\$ 5,500.00	\$ 5,500.00
Estimated Construction Cost			\$ 229,800.00

Town of Wadesboro Water System Improvements
Uptown Wadesboro Water Main Replacement Phase 2A (Rutherford, Wade, Greene)

Description	Quantity	Unit Price	Extended Price
12" CL 250 DI Water Main	1,100 LF	\$ 70.00	\$ 77,000.00
8" CL 250 DI Water Main	450 LF	\$ 55.00	\$ 24,750.00
12" Gate Valve	3 EA	\$ 2,500.00	\$ 7,500.00
6" Gate Valve	6 EA	\$ 1,200.00	\$ 7,200.00
12" DI Bend/	4 EA	\$ 650.00	\$ 2,600.00
12" x 12" Tee	1 EA	\$ 750.00	\$ 750.00
12" x 8" Tee	2 EA	\$ 700.00	\$ 1,400.00
12" x 6" Tee	1 EA	\$ 650.00	\$ 650.00
8" Gate Valve	6 EA	\$ 2,000.00	\$ 12,000.00
8" DI Bend/	10 EA	\$ 550.00	\$ 5,500.00
8" x 6" Tee	1 EA	\$ 600.00	\$ 600.00
6" DI Fire Line Service Reconnection	10 EA	\$ 2,500.00	\$ 25,000.00
Fire Hydrant Assembly	3 EA	\$ 2,500.00	\$ 7,500.00
Connect to Existing Main	9 EA	\$ 3,000.00	\$ 27,000.00
1" Service Reconnection	21 EA	\$ 1,800.00	\$ 37,800.00
2" Service Reconnection	12 EA	\$ 2,500.00	\$ 30,000.00
Asphalt Removal and Replacement (Town Streets)	1,675 SY	\$ 70.00	\$ 117,250.00
DOT Road Open Cut & Patch	325 SY	\$ 95.00	\$ 30,875.00
DOT Road Milling & Overlay	175 tn	\$ 225.00	\$ 39,375.00
Concrete Drive Removal and Replacement	350 SY	\$ 85.00	\$ 29,750.00
Seed, Mulch, & Erosion Control	0.8 AC	\$ 5,500.00	\$ 4,400.00
Estimated Construction Cost			\$ 488,900.00