

Proposed Timeline and Budget Greensboro-Randolph MegaSite - Water and Sewer Improvements																													
ID	Task Name	Start	Finish	Duration	2015				2016				2017				2018				2019				2020				
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1	Notice to Proceed	Mon 6/1/15	Mon 6/1/15	0 days	6/1/15 Notice to Proceed																Strategic Communications (website, etc)								
2	Preliminary Design	Mon 6/1/15	Wed 9/30/15	88 days	6/1/15 Preliminary Design																								
3	Survey	Mon 6/1/15	Wed 9/30/15	88 days	6/1/15 Survey																								
4	Geotechnical Investigation	Mon 6/1/15	Wed 9/30/15	88 days	6/1/15 Geotechnical Investigation																								
5	Environmental Field Work	Mon 6/1/15	Wed 9/30/15	88 days	6/1/15 Environmental Field Work																								
6	Strategic Communications (website, etc)	Mon 6/1/15	Thu 8/1/19	1089 days	6/1/15 Strategic Communications (website, etc)																								
7	Community Information Meeting	Thu 6/18/15	Thu 6/18/15	0 days	6/18/15 Community Information Meeting																Strategic Communications (website, etc)								
8	Water Model Update (Hazen)	Wed 9/30/15	Tue 12/1/15	45 days	9/30/15 Water Model Update (Hazen)																								
9	30% OPCC	Sun 11/1/15	Sun 11/1/15	0 days	11/1/15 30% OPCC																								
10	Proceed to 60% Design	Thu 10/1/15	Sun 1/10/16	73 days	10/1/15 Proceed to 60% Design																								
11	60% Design Review	Tue 1/26/16	Tue 1/26/16	0 days	1/26/16 60% Design Review																								
12	Proceed to 90% Design	Wed 1/27/16	Wed 6/15/16	101 days	1/27/16 Proceed to 90% Design																				Strategic Communications (website, etc)				
13	90% OPCC	Wed 6/22/16	Wed 6/22/16	0 days	6/22/16 90% OPCC																								
14	Property title research (City) - Sewer FM	Wed 6/1/16	Wed 2/1/17	176 days	6/1/16 Property title research (City) - Sewer FM																								
15	Property title research (City) - Waterline	Sat 10/15/16	Fri 9/1/17	231 days	10/15/16 Property title research (City) - Waterline																								
16	Golden LEAF Application submittal	Thu 8/25/16	Thu 8/25/16	0 days	8/25/16 Golden LEAF Application submittal																								
17	Appraisals (City)	Wed 2/1/17	Thu 6/1/17	87 days	2/1/17 Appraisals (City)																Strategic Communications (website, etc)								
18	Easement Map Preparation	Sun 1/1/17	Fri 9/15/17	186 days	1/1/17 Easement Map Preparation																								
19	Easement Acquisition (City) - Sewer FM	Wed 3/1/17	Wed 2/28/18	261 days	3/1/17 Easement Acquisition (City) - Sewer FM																								
20	Easement Acquisition (City) - Waterline	Thu 6/1/17	Thu 5/31/18	261 days	6/1/17 Easement Acquisition (City) - Waterline																								
21	Community Information Meeting	Wed 3/1/17	Wed 3/1/17	0 days	3/1/17 Community Information Meeting																								
22	Permitting (Individual Waterline)	Wed 3/1/17	Fri 9/1/17	133 days	3/1/17 Permitting (Individual Waterline)																				Strategic Communications (website, etc)				
23	Permitting (Whole Project)	Wed 3/1/17	Wed 2/28/18	261 days	3/1/17 Permitting (Whole Project)																								
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					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
24	100% Design (final details coordinated with permitting and easement acquisition)	Wed 3/1/17	Wed 2/28/18	261 days	3/1/17 100% Design (final details coordinated with permitting and easement acquisition)																							
25	Bidding - Sewer FM	Thu 3/1/18	Tue 5/1/18	44 days	3/1/18 Bidding - Sewer FM																							
26	Construction - Sewer FM	Sun 7/1/18	Sun 6/30/19	262 days	7/1/18 Construction - Sewer FM																							
27	Bidding - Pump Station	Thu 3/1/18	Tue 5/1/18	44 days	3/1/18 Bidding - Pump Station																							
28	Construction - Pump Station	Sun 7/1/18	Wed 5/1/19	219 days	7/1/18 Construction - Pump Station																							
29	Bidding - Waterline	Tue 5/1/18	Sun 7/1/18	45 days	5/1/18 Bidding - Waterline																							
30	Construction - Waterline	Sat 9/1/18	Tue 10/1/19	283 days	9/1/18 Construction - Waterline																							
31																												
32																												

Preliminary Budget Estimate

Budget Category	Sewer Improvements Budget	Water Improvements Budget
Mobilization	\$300,000.00	\$680,000.00
Pump Station	\$1,500,000.00	
Pipe and fittings	\$4,580,000.00	\$8,500,000.00
Valves	\$50,000.00	\$350,000.00
Assembly of valves and other	\$80,000.00	\$400,000.00
Encasements/Bores	\$1,200,000.00	\$3,550,000.00
Rock Excavation	\$400,000.00	\$1,260,000.00
Clearing and Grubbing	\$214,000.00	\$860,000.00
Erosion Control Measures	\$428,000.00	\$1,650,000.00
Construction Survey and Record		
Drawings	\$85,600.00	\$550,000.00
Contingency	\$1,000,000.00	\$2,100,000.00
Total	\$9,837,600.00	\$19,900,000.00