

Features shown on this map, and in the accompanying web map, including water lines, pump stations, tanks, and valves are graphical representations of surveyed infrastructure. The intended use of this map is for planning and reference purposes only. For detailed information regarding the precise location of these features for design and construction purposes, contact the City of Cumming.

BOOSTER PUMP STATION						
LABEL	NAME	YEAR BUILT / UPGRADE	FLOW CAPACITY (MGD)	PUMP #	HP	NOTES
B1	Archerdale Booster PS	2017	7.5	1	150	Archerdale High Pressure Zone
B2	Mountain Brook Booster PS	2017	1.0	1	150	Mountain Brook High Pressure Zone
B3	Greenwood Booster PS	2017	1.0	1	150	Greenwood High Pressure Zone
B4	Wickhampton Booster PS	2017	1.0	1	150	Wickhampton High Pressure Zone
B5	Green Wood Acres Booster PS	2017	1.0	1	150	Green Wood Acres High Pressure Zone

DISTRIBUTION SYSTEM STORAGE FACILITIES						
LABEL	NAME	YEAR BUILT / UPGRADE	STORAGE CAPACITY (MG)	OVERFLOW ELEV.	RAW WATER MAIN DIA.	PRESSURE ZONE
D1	Archerdale Ridge Tank #1	Revised 2016	0.75	1411.00	18"	Main Pressure Zone
D2	Archerdale Ridge Tank #2	Revised 2016	0.75	1411.00	18"	Main Pressure Zone
D3	Archerdale Creek Mountain Tank (Duke Barn Tank)	Revised 2013	0.75	1411.00	18"	Main Pressure Zone
D4	Archerdale Ridge Tank #3	Revised 2013	1.0	1411.00	18"	Main Pressure Zone
D5	Archerdale 2 Tank (Archerdale Hospital Tank)	2012	0.75	1411.00	18"	Main Pressure Zone
D6	Archerdale Mountain (Grand Park #1)	Revised 2013	0.75	1411.00	18"	Main Pressure Zone
D7	Archerdale Mountain (Grand Park #2)	Revised 2013	0.75	1411.00	18"	Main Pressure Zone
D8	Highgate Mountain #1 (Grand Park)	2017	0.75	1411.00	18"	Main Pressure Zone
D9	Archerdale Creek (Grand Park)	2017	0.75	1411.00	18"	Main Pressure Zone

WATER TREATMENT STORAGE FACILITIES						
LABEL	NAME	YEAR BUILT / UPGRADE	STORAGE CAPACITY (MG)	OVERFLOW ELEV.	RAW WATER MAIN DIA.	PRESSURE ZONE
W1	Cherokee #1	1996	0.75	1114	18"	Raw Water
W2	Cherokee #2	1996	0.75	1114	18"	Raw Water
W3	Cherokee #3	1996	0.75	1114	18"	Raw Water

SOURCE WATER FACILITIES						
LABEL	NAME	YEAR BUILT / UPGRADE	PUMP CAPACITY (MGD)	PUMP #	HP	NOTES
SW1	Raw Water Intake #1	1989	30.0	43	600	Permitted 13 MGd, minimum withdrawal elevation 1460 (Duke Barn) (cannot operate at low levels below 1460 ft)
SW2	Raw Water Intake #2	2011	100.0	45	4500	Permitted 13 MGd, minimum withdrawal elevation 1507 (Duke Barn) (cannot operate at low levels below 1507 ft)

WATER TREATMENT FACILITIES						
LABEL	NAME	YEAR BUILT / UPGRADE	TREATMENT CAPACITY (MGD)	PUMP #	HP	NOTES
WTF1	Potable Water Production Facility	1996	18.0	43	600	Permitted 18 MGd
WTF2	PWPF Pre-treatment	2009	6.0	47	400	Permitted 6 MGd

PLANNED BOOSTER PUMP STATION						
LABEL	NAME	PLANNED YEAR	FLOW CAPACITY (MGD)	PUMP #	HP	NOTES
B-01	Archerdale Ridge Booster PS	2023	7.5	1	150	
B-02	Green Wood Acres Booster PS	2023	1.0	1	150	

PLANNED STORAGE FACILITIES						
LABEL	NAME	PLANNED YEAR	STORAGE CAPACITY (MG)	OVERFLOW ELEV.	RAW WATER MAIN DIA.	CONVEYANCE AND NOTES
D-01	Green Wood Acres Grand Park Tank	2023	0.75	1411	18"	
D-02	Green Wood Acres Grand Park Tank	2023	0.75	1411	18"	
D-03	Archerdale Ridge Grand Park Tank	2023	0.75	1411	18"	
D-04	Archerdale Ridge #1 1.0 MG Tank	2023	1.0	1411	18"	
D-05	Cherokee #4	2023	0.75	1114	18"	
D-06	Cherokee #5	2023	0.75	1114	18"	

PLANNED TREATMENT FACILITIES						
LABEL	NAME	PLANNED YEAR	TREATMENT CAPACITY (MGD)	PUMP #	HP	CONVEYANCE AND NOTES
WTF-01	Potable Water Production Facility	2023	12.0	43	600	The new plant will be built to the existing plant. Local membrane filtration to upgrade from 6 to 12 MGd.

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Legend

- County Boundaries
- Greater than 100 ft MG (Cherokee Water Fee)
- Source Water Protection Area
- Water Main Expansion
- City Limits
- Local City Limit
- Booster Pump
- Water Tanks
- Raw Water Intake
- Proposed Water Tank
- Proposed Booster Pump
- Measurement Locations

Water Main

Diameter

- 18"
- 24"
- 30"
- 36"
- 42"
- 48"
- 60"
- 72"
- 84"
- 96"
- 108"
- 120"
- 144"
- 180"
- 216"
- 240"
- 300"
- 360"
- 420"
- 480"
- 540"
- 600"
- 660"
- 720"
- 780"
- 840"
- 900"
- 960"
- 1020"
- 1080"
- 1140"
- 1200"
- 1260"
- 1320"
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- 1440"
- 1500"
- 1560"
- 1620"
- 1680"
- 1740"
- 1800"
- 1860"
- 1920"
- 1980"
- 2040"
- 2100"
- 2160"
- 2220"
- 2280"
- 2340"
- 2400"
- 2460"
- 2520"
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- 2820"
- 2880"
- 2940"
- 3000"

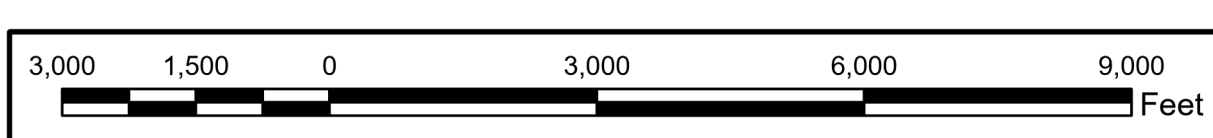
Raw Water Main

Diameter

- 18"
- 24"
- 30"
- 36"
- 42"
- 48"
- 60"
- 72"
- 84"
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Roads

- Internal U.S. Census Routes
- Local Neighborhood Road, Rural Road, City Street
- Arterial Road
- Interstate
- State Road for service vehicles (logging, oil fields, ranches, etc.)
- Interstate
- Secondary Road



City of Cumming

DEPARTMENT OF UTILITIES

WATER MASTER PLAN December 2022



CEC
CIVIL ENGINEERING CONSULTANTS, INC.
Civil & Environmental Engineering



Interactive Web Map