Features shown on this map, and in the accompanying web map, including sewer lines, pump stations, and drainage basins 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.

Settingdown Creek Pump Station
Karr Road Pump Station
Gravitt Road Pump Station
Spot Road Pump Station
Tribble Road Pump Station
Clay Creek Pump Station
Chamblee Gap Road Pump Station
Gheatham Creek Pump Station
Bethelview AWRF
Big Creek Pump Station
West Lake Pump Station
Sanders Road Pump Station
Buford Dam Road Pump Station # 1
Buford Dam Road Pump Station # 2
Habersham Marina Pump Station
Lanier Beach South Pump Station
Lions Gate Pump Station
Baldridge Creek Pump Station
Sawnee Creek Pump Station
Bald Ridge Acres Drive Pump Station
Lanier Parkway WRRC
Bald Ridge Marina Pump Station
Park Shore Pump Station
Sanders Square Pump Station
Ronald Reagan Boulevard Pump Station
Samples Road Pump Station
Chattahoochee PS #1
White Oak Pump Station
Echols Road Pump Station
Twin Branches Pump Station
Chattahoochee PS #2
Source Water Protection Area
Lake Lanier
Young Deer Creek
Bald Ridge Creek
CHEROKEE
FORSYTH
FULTON
GWINNETT
HALL
POST RD
KELLY MILL RD
CASTLEBERRY RD
SHILOH RD
SPOT RD
SHOT RD
KEITH BRIDGE RD
MATTHEW WAY
Houseman Trail
Chattahoochee River Trail

CUMMING UTILITIES - SEWER SYSTEM MASTER PLAN 2022

NUMBER OF EXISTING PUMP STATIONS	LABEL	NAME	BUILT / UPGRADE YEAR	DESIGN YEAR	AREA SERVED AREA (Ac.)	AREA SERVED ADF (gpm)	AREA SERVED Peak (gpm)	PUMPS (Hp)	PUMPS (gpm)	DESIGN HEAD STATIC (ft.)	DESIGN HEAD TDH (ft.)	FORCE MAIN DIA (in.)	FORCE MAIN LENGTH (ft.)	CONVEYANCE and NOTES
		BALD RIDGE CREEK PS	2001		2,129	511	1,550	100	1,583	135	158	6,12	7,723	To Bethelview AWRF
1	E1	**Flow moves to Lanier WRRC**		**2026**	**2040**	**2,131**	**286**	**863**					**18**	**6072**	**FM to Sawnee Creek PS . In service year 2028**
				2034		**9,177**	**1,427**	**3,409**		**1,697**	**130**		**18,12**	**6072**	**To Sawnee Creeek PS E2 .In 2035 flow from E30 enter E1**
		SAWNEE CREEK PS	2004		3,730	884	2,469	130	2,992	179	212	16	6,500	to Bethelview AWRF
2	E2	**Flow moves to Lanier WRRC**		**2026**	**2040**	**5,377**	**744**	**1,969**			**224**		**16**	**5,270**	**Influent PS to Lanier WRRC (via Force Main) year 2028**
				2034		**12,423**	**2,122**	**4,743**					**16,10**	**5,270**	**Dependent upon sending E30 flows to E2**
3	E3	CHEATHAM CREEK PS	2016	2050	3,079	771	2,200	140	2,200	115	135	14,16	6,800	to Bethelview AWRF
4	E4*	ASHEBROOKE SUBDIVISION PS	2011	2050	62	14	59	10	110	52	53	4	800	to E3 to Bethelview AWRF
5	E7	RONALD REAGAN PS (triplex; 3 pumps/2 run; VFD) (duplex; 2 pumps/1 run)	2014	2035	4,014	1,009	2,762	100	3,800	115	140	8,12,16,18	2,800	to Bethelview AWRF
				2050	359	181	627	100	1,300	115	145	10	3,300	to Bethelview AWRF
		Flow moves to Lanier WRRC		**2040+**										**new FM to E19 year 2040+**
6	E8	BIG CREEK PS	2007	2050	1,744	607	1,795	40	2,167	25	45	14	1,050	to Bethelview AWRF
7	E10	WEST LAKE PS	2011	2050	48	15	63	15				6		to Bethelview AWRF
8	E12*	BALD RIDGE MARINA PS #1 (Owned Privately)	2011	2050	27	9	38					3	1,500	**to Lanier WRRC via E2**
9	E13	BUFORD DAM RD PS #1	2003		693	172	600	130	1,050	184	207	6,12	6,500	to E7 (shared 6" & 12" FM with E19) to Bethelview AWRF (via Sawmill Branch Outfall)
				2035	693	172	600	130	1,800	130	170	6,12	2,500	Will flow to E19 & Bethelview AWRF
		Flow moves to Lanier WRRC		**2029**								**reverse flow in exiting fm**	**2300**	**Reuse existing force main or install new force main to E19 to Lanier WRRC**
10	E14	BUFORD DAM RD PS #2	2003	2050	236	60	229	47	275	195	215	6	4,500	to E13 to E7 (shared 6" & 12" FM with E19) to Bethelview AWRF (via Sawmill Branch Outfall); Will flow to E13 & Lanier Parkway WRRC
11	E15	ECHOLS ROAD PS	2013	2050	360	96	353	45	420	113	175	6	5,800	to E16 & Bethelview AWRF
12	E16	SAMPLES ROAD PS	2008	2035	2,144	450	1,391	130	1,400	196	232	6,8,14	14,200	to E7 (14-inch FM to Haw Creek Outfall to be completed before 2035) to Bethelview AWRF (via Sawmill Branch Outfall)
		Expansion (triplex; 3 pumps/2 run)		2050	4,100	1,041	2,834	130	2,834	196	230	14,16,20		to E7 to Bethelview AWRF (via Sawmill Branch Outfall)
13	E17*	GRAVITT RD PS	2006	2050	586	75	282	88	823	105	139	10	8,800	to E1 to Bethelview AWRF
		Flow moves to Lanier WRRC		**2025**										**to E1. E17* will temp decommissioned 2025 . Flow will be redirected to E30 (via gravity outfall) to E1 to E2 to Lanier WRRC**
14	E18	LIONS GATE PS	2004 / 2011	2035	126	54	124	20	130	102	126	4	3,325	to E14 & Bethelview AWRF. Will flow to E14 & Bethelview AWRF or Lanier WRRC.
15	E19	SANDERS ROAD PS	2007 / 2011	2035	1,186	329	1,060	88	745	182	206	8	2,000	to E7, interim 2 pumps 1,060 gpm (shared 6" & 12" FM with E13)
		Expansion (triplex; 3 pumps/2 run)		2050	1,887	544	1,636	88	1,636	124	141	18		to E7 & Bethelview AWRF. Will flow to E7 & Bethelview AWRF
		Flows move to Lanier WRRC		**2028**		**1,298**	**237**	**730**					**8**	**Sanders to be bi-directional ps to E7 or FM Direct to Lanier WRRC**
				2040	**3,257**	**1,120**	**2,781**					**equal to 20**		
16	E20	SANDERS SQUARE PS	2010	2050	51	15	61	10	125	50	68	4	1,000	**to E19 & Bethelview AWRF. Will flow to E19 & Bethelview AWRF or Lanier WRRC**
17	E23	LANIER BEACH SOUTH PS	2011 / 2012	2035	163	36	142	23	147	90	197	4	5,400	to E14. **Year 2029 flow divert to Lanier WRRC**
18	E24	VETERINARY CLINIC PS (Owned Privately)	2001	2050				10	45		48	3	260	to E7 to Bethelview AWRF
19	E25	HABERSHAM MARINA PS (Owned by HAO)	unknown					35	300	106	125	6	2,800	to E14 & Bethelview AWRF **or Lanier WRRC.**
20	E30	SETTINGDOWN CREEK PS	2016	2035	2,260	293	958	160	1,210	163	194	14	15,000	to E3 & Bethelview AWRF
		Expansion (triplex; 3 pumps/2 run)		2050	2,846	368	1,240	160	2,033	284	308	18	36,000	to E2 and Bethelview AWRF
		Flow moves to Lanier WRRC		**2034**		**5,732**	**855**	**2,215**			**70**		**ex 14 + new 14 &18**	**16,100**	**FM and pump station upgrade to send flows to E17 to E1 to E2 to Lanier WRRC**
21	E31	BALD RIDGE MARINA PS #2	2013	2050	501	139	495	50	495	105	153	8	8,000	to E2 (shared 8" FM with E34)
22	E32	TWIN BRANCHES PS	2017	2035	325	292	350	88	419	220	245	8,6	6,284	to E16
		Expansion (duplex; 2 pumps/1 run)		2050	1,137	292	956	130	1,200	220		6,8,10		to E16
23	E33	WHITE OAK PS	2016	2050	13	38	150	10	180	40	62	4	1,246	to E15
24	E34	BALD RIDGE ACRES DRIVE PS	2017	2050	37	53	204	11	276	60	73	4	50	to E2 (shared 8" FM with E31)
25	E35*	CHAMBLEE GAP ROAD PS	2017	2050	45	27	110	35	227	105	176	4,6	4,650	to E3
26	E36	KARR ROAD TEMPORARY PS (TEMP-no stand by)	2017	2050			50	11	71	147	165	2	28	to E30 FM. **Decommison 2024**
27	E37	PARK SHORE PS	2022	2050	501	149	526	35	585	117	134	10	3,800	E19 & Bethelview AWRF. Will flow to E19 & Bethelview AWRF or Lanier Parkway WRRC.
		Flow moves to Lanier WRRC		**2029**		501	149	526	35	585			10		**Redirect flows and tie into new FM from E19 to Lanier WRRC**
28	E38	SPOT ROAD PS	2022	2050	425	151	537	50	563	107	130	14	5,061	to E30 FM & Bethelview AWRF
29	E39	TRIBBLE ROAD PS	2022	2050	573	185	461	72	516	123	176	8	1,800	to FM on Highway 20 & Bethelview AWRF

*Decommissioned by plan year 2035 or sooner

NUMBER OF PLANTS	LABEL	NAME	BUILT / UPGRADE YEAR	Area (Ac.)	Design (MGD)	CONVEYANCE and NOTES
1	AWRF	BETHELVIEW AWRF (Permitted 8 MGD /no avg.)	1991 / 2006		8.0	ALL service area flows until Lanier WRRC is online
2	LANIER WRRC	**LANIER WRRC (Permit Required 7.5 MGD, Future 15 MGD)**	**2028**	**14,500**	**7.5**	**Will receive flows from E2 influent PS in 2028**

NUMBER OF PROPOSED PUMP STATIONS	LABEL	NAME	DESIGN YEAR	AREA SERVED AREA (Ac.)	AREA SERVED ADF (gpm)	AREA SERVED Peak (gpm)	PUMPS (Hp)	PUMPS (gpm)	DESIGN HEAD STATIC (ft.)	DESIGN HEAD TDH (ft.)	FORCE MAIN DIA (in.)	FORCE MAIN LENGTH (ft.)	CONVEYANCE and NOTES
1	P8	CHATTAHOOCHEE PS #1	2050	997	246	822	88	822	144	184	10	7,500	to E16
2	P10	CHATTAHOOCHEE PS #2	2050	457	131	469	88	469	150	175	8	5,000	to E32
3	P16	MARY ALICE PARK PS	2050	109	30	250	30		122	180	4	6,000	to E19 (Shared FM with Low Pressure System)
4	P32	CLAY CREEK PS	2023	236	80	300	75	321	109	247	8	15,000	to E3

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Legend

- AWRF/WRRC
- Pump Stations
- Capital Improvement Pumps
- Sewer Manholes
- Cumming City Limit
- County Boundaries
- AWRF/WRRC Service Area
- Tax Parcel
- Low Pressure Sewer
- Source Water Protection Area
- Existing Pressurized Sewer Main
- Existing Gravity Sewer Main

Proposed Gravity Main
PIPESIZE: 12, 16, 24, 8, 14, 10, 20, 6

Proposed Force Main
New/Abandon: Abandon, New

Path of flow
Type: Gravity, Pressure, Proposed Treated Outfall to Lanier

Roads
- Local Neighborhood Road, City Street
- Primary Road
- Private Road for service vehicles
- Ramp
- Secondary Road

Hydrography
- Lake/Pond
- Swamp/Marsh
- Stream/River

3,000 1,500 0 3,000 6,000 9,000 Feet

City of Cumming

DEPARTMENT OF UTILITIES

CUMMING UTILITIES

cEc
CIVIL ENGINEERING CONSULTANTS, INC.
Civil & Environmental Engineering

SEWER MASTER PLAN
December 2022

Interactive Web Map