

Wood River, Calallen

East Area

Units	Land Use	Persons/Unit	Gallons/Person/Day	Peak Factor	Flow		Total Flow (gpm)
					without I/I (gpm)	I/I	
352	Residential	2.5	100	4	245	36	281
2	Medical Building	20	200	4	22	0	22
1	Restaurant	300	10	4	8	0	8
1	Church	60	5	4	1	0	1
1	Car Wash	100	30	4	9	0	9
						Flow (gpm)	321
						Flow (gpd)	462,240

West Area

Units	Land Use	Persons / Unit	Gallons/Person/Day	Peak Factor	Flow		Total Flow (gpm)
					without I/I (gpm)	I/I	
343	Residential	2.5	100	4	238	28	267
128	Apartments	2.5	100	4	89	0	89
1	Gas Station	150	5	4	2	0	2
1	Bank	50	5	4	1	0	1
1	Church	60	5	4	1	0	1
5	Commercial	25	20	4	7	0	7
						Flow (gpm)	367
						Flow (gpd)	528,480

8" Capacity @ 0.4% slope = 673,070 gpd

10" capacity @ 0.29% slope = 1,071,430 gpd

12" capacity @ 0.22% slope = 1,391,010 gpd

Combined flow (gpd) at confluence and connection to 10" line.	990,720
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gpm = gallons per minute

gpd = gallons per day

I/I = inflow and infiltration

Note: Gallons/Person/Day flow are estimates based on recommended values from TCEQ.

Anticipated flow from added area

1	Church	60	5	4	1	0	1
1	Restaurant	300	10	4	8	0	8
2	Commercial	25	20	4	3	0	3
						Flow (gpm)	12
						Flow (gpd)	17,280

Updated Combined flow (gpd) at confluence and connection to 10" line.	1,008,000
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