

Haystack Crossing

Design Flow Summary

September 6, 2019

Space Allocations 250 SF/Employee

Phase I.b

Sewer

Building A

5	2	-BR	Residential Units	x	210	GPD	/	Unit	=	1,050
8			Dedicated Comm. Space Employees	x	15	GPD	/	Unit	=	120
6			Potential Comm. Space Employees	x	15	GPD	/	Unit	=	90
			20%			Non-Residential WWTF Credit	=			(42)
Building Total =										1,218

Building J

26	1	-BR	Residential Units	x	140	GPD	/	Unit	=	3,640
10	2	-BR	Residential Units	x	210	GPD	/	Unit	=	2,100
14			Dedicated Comm. Space Employees	x	15	GPD	/	Unit	=	210
			20%			Non-Residential WWTF Credit	=			(42)
Building Total =										5,908

Building K

29			Dedicated Comm. Space Employees	x	15	GPD	/	Unit	=	435
			20%			Non-Residential WWTF Credit	=			(87)
Building Total =										348

Single Family Homes

7	2	-BR	Residential Units	x	210	GPD	/	Unit	=	1,470
10	3	-BR	Residential Units	x	210	GPD	/	Unit	=	2,100
11	4	-BR	Residential Units	x	210	GPD	/	Unit	=	2,310
Buildings Total =										5,880

Quad-Plex Multi-Family Buildings

26	2	-BR	Residential Units	x	210	GPD	/	Unit	=	5,460
Buildings Total =										5,460

95 Total Residential Units

Phase I Total Design Flow = 18,814

Water

5	2	-BR	Residential Units	x	300	GPD	/	BR	=	1,500
8			Dedicated Comm. Space Employees	x	15	GPD	/	Unit	=	120
6			Potential Comm. Space Employees	x	15	GPD	/	Unit	=	90
			10%			Low Flow Credit	=			(171)
Building Total =										1,539

26	1	-BR	Residential Units	x	150	GPD	/	BR	=	3,900
10	2	-BR	Residential Units	x	300	GPD	/	BR	=	3,000
14			Dedicated Comm. Space Employees	x	15	GPD	/	Unit	=	210
			10%			Low Flow Credit	=			(711)
Building Total =										6,399

29			Dedicated Comm. Space Employees	x	15	GPD	/	Unit	=	435
			10%			Low Flow Credit	=			(44)
Building Total =										392

7	2	-BR	Residential Units	x	300	GPD	/	BR	=	2,100
10	3	-BR	Residential Units	x	450	GPD	/	BR	=	4,500
11	4	-BR	Residential Units	x	600	GPD	/	BR	=	6,600
			10%			Low Flow Credit	=			(1,110)
Buildings Total =										12,090

26	2	-BR	Residential Units	x	300	GPD	/	BR	=	7,800
			10%			Low Flow Credit	=			(780)
Buildings Total =										7,020

Phase I Total Design Flow = 27,440

1920 SF Dedicated Commercial Space 250 SF / Employee
 1400 SF Potential Commercial Space 250 SF / Employee

3500 SF Dedicated Commercial Space 250 SF / Employee

7356 SF Dedicated Commercial Space 250 SF / Employee