

# Haystack Crossing

## Design Flow Summary - Available Water

September 17, 2018

Space Allocations      250 SF/Employee

### Phase I (a)

### Sewer

Building B			
5	2	-BR Residential Units	x 210 GPD / Unit = 1,050
5		Dedicated Comm. Space Employees	x 15 GPD / Unit = 75
7		Potential Comm. Space Employees	x 15 GPD / Unit = 105
		20% Non-Residential WWTF Credit	= (36)
Building Total =			1,194

Building C			
3	2	-BR Residential Units	x 210 GPD / Unit = 630
12		Dedicated Comm. Space Employees	x 15 GPD / Unit = 180
		20% Non-Residential WWTF Credit	= (36)
Building Total =			774

Building H - Senior Housing			
44	1	-BR Residential Units	x 105 GPD / Unit = 4,620
6	2	-BR Residential Units	x 210 GPD / Unit = 1,260
15		Dedicated Comm. Space Employees	x 15 GPD / Unit = 225
		20% Non-Residential WWTF Credit	= (45)
Building Total =			6,060

Single Family Homes			
7	2	-BR Residential Units	x 210 GPD / Unit = 1,470
9	3	-BR Residential Units	x 210 GPD / Unit = 1,890
3	4	-BR Residential Units	x 210 GPD / Unit = 630
19	Buildings Total = 3,990		

Quad-Plex Multi-Family Buildings			
4	2	-BR Residential Units	x 210 GPD / Unit = 840
Buildings Total =			840

73 Total Residential Units

**Phase I Total Design Flow = 12,858**

### Water

5	2	-BR Residential Units	x 300 GPD / BR = 1,500
5		Dedicated Comm. Space Employees	x 15 GPD / Unit = 75
7		Potential Comm. Space Employees	x 15 GPD / Unit = 105
		10% Low Flow Credit	= (168)
Building Total =			1,512

3	2	-BR Residential Units	x 300 GPD / BR = 900
12		Dedicated Comm. Space Employees	x 15 GPD / Unit = 180
		10% Low Flow Credit	= (108)
Building Total =			972

44	1	-BR Residential Units	x 113 GPD / BR = 4,972
6	2	-BR Residential Units	x 225 GPD / BR = 1,350
15		Dedicated Comm. Space Employees	x 15 GPD / Unit = 225
		10% Low Flow Credit	= (655)
Building Total =			5,892

7	2	-BR Residential Units	x 300 GPD / BR = 2,100
9	3	-BR Residential Units	x 450 GPD / BR = 4,050
3	4	-BR Residential Units	x 600 GPD / BR = 1,800
		10% Low Flow Credit	= (585)
Buildings Total =			7,365

4	2	-BR Residential Units	x 300 GPD / BR = 1,200
		10% Low Flow Credit	= (120)
Buildings Total =			1,080

**Phase I Total Design Flow = 16,821**

### Allocation

### Use

Category 1      Mixed Use/Affordable

Category 3      Mixed Use

Category 1      Senior

Category 3      Residential

Category 3      Residential