

Future Capacity Indicators Worksheet
Johnston-South Interceptor

Subarea Addition	Segment ID	NBC Segment ID	Shape	Dia1 (in)	Dia2 (in)	Length (ft)	Slope (GIS) (ft/ft)	Material	Slope Calculated	Capacity (mgd)	Invert Drop (ft)	Peak Dry Weather Flow (% of Full Pipe Capacity)				Peak Wet Weather Flow (% of Full Pipe Capacity)			
												Existing	2015	2020	2030	Existing	2015	2020	2030
JSI-5T-7																			
JSI-Z1																			
	3191:3243	G140001:699	CIR	8.00	8.00	238.563	0.02800	ASC	0.0161	0.993	--	32%	32%	32%	32%	108%	108%	108%	108%
		699:G140002	CIR	8.00	8.00	95.460	--	ASC	0.0307	1.371	0	23%	23%	23%	23%	78%	78%	78%	78%
	3243:3334	G140002:G140003	CIR	8.00	8.00	300.014	0.01800	ASC	0.0176	1.039	0	31%	31%	31%	31%	104%	104%	104%	104%
	3334:3420	G140003:G130009	CIR	8.00	8.00	293.562	0.01600	ASC	0.0164	1.003	0	32%	32%	32%	32%	107%	107%	107%	107%
JSI-5T-6																			
	3420:3561	G130009:G130010	CIR	8.00	8.00	306.554	0.02800	ASC	0.0279	1.308	0	24%	24%	24%	24%	82%	82%	82%	82%
	3561:3695	G130010:G130011	CIR	8.00	8.00	323.628	0.02800	ASC	0.0280	1.309	0	24%	24%	24%	24%	82%	82%	82%	82%
	3695:3839	G130011:H130020	CIR	8.00	8.00	301.119	0.03200	ASC	0.0311	1.381	0	23%	23%	23%	23%	78%	78%	78%	78%
	3839:3992	H130020:H130024	CIR	8.00	8.00	321.956	0.03600	ASC	0.0359	1.484	0	22%	22%	22%	22%	73%	73%	73%	73%
Net Meter JSI-Z																			
Gross Meter JSI-Z																			
	3992:4020	H130024:H130001	CIR	8.00	8.00	79.780	0.00800	ASC	0.1063	2.552	0	13%	13%	13%	13%	42%	42%	42%	42%
JSI-5T-3																			
JSI-X1																			
JSI-X2																			
	4020:4032	H130001:H130002	CIR	15.00	15.00	37.872	0.00100	PVC	0.0069	4.098	0	29%	29%	29%	29%	60%	60%	60%	60%
H130002																			
JSI-5T-4																			
JSI-5T-5																			
JSI-Y1																			
JSI-Y2																			
	4032:4125	H130002:H130027	CIR	21.00	21.00	310.344	0.00490	PVC	0.0032	6.817	0	27%	36%	39%	44%	59%	68%	71%	76%
	4125:4230	H130027:H130028	CIR	21.00	21.00	318.410	0.00200	PVC	0.0034	7.066	0	26%	35%	38%	42%	57%	66%	69%	73%
	4230:4325	H130028:H130029	CIR	21.00	21.00	254.545	0.00580	PVC	0.0090	11.482	0	16%	21%	23%	26%	35%	40%	42%	45%
	4325:4381	H130029:H120009	CIR	21.00	21.00	250.684	0.00440	PVC	0.0052	8.770	0	21%	28%	30%	34%	46%	53%	55%	59%
	4381:4434	H120009:H120008	CIR	21.00	21.00	297.182	0.00020	PVC	0.0034	7.073	0	26%	35%	38%	42%	57%	66%	68%	73%
JSI-5T-2																			
	4434:4533	H120008:H120007	CIR	21.00	21.00	245.069	0.04290	PVC	0.0347	22.594	0	8%	11%	12%	13%	19%	21%	21%	23%
	4533:4559	H120007:H120006	CIR	21.00	21.00	50.383	0.02040	PVC	0.0171	15.850	0	12%	16%	17%	19%	26%	29%	31%	33%
	4559:4574	H120006:H120005	CIR	21.00	21.00	45.850	0.00150	PVC	0.0098	12.019	0	15%	21%	22%	25%	35%	39%	40%	43%
	4574:4580	H120005:H120004	CIR	21.00	21.00	45.154	0.00110	PVC	0.0042	7.870	0	23%	31%	34%	38%	53%	59%	62%	66%
	4580:4645	H120004:H120003	CIR	21.00	21.00	189.912	0.00100	PVC	0.0013	4.402	0	42%	56%	61%	68%	95%	106%	110%	117%
	4645:4696	H120003:H120002	CIR	21.00	21.00	239.212	0.00240	PVC	0.0007	3.138	0	59%	79%	85%	95%	134%	148%	154%	165%
	4696:4702	H120002:H120001	CIR	21.00	21.00	26.475	0.00190	PVC	0.0049	8.501	0	22%	29%	31%	35%	49%	55%	57%	61%
	4702:4786	H120001:H120015	CIR	21.00	21.00	237.960	0.00080	PVC	0.0011	3.932	0	47%	63%	68%	76%	107%	118%	123%	131%
	4786:4931	H120015:H120014	CIR	24.00	24.00	340.605	0.00130	PVC	0.0011	5.709	0	32%	43%	47%	52%	74%	81%	85%	91%
	4931:4935	H120014:H120013	CIR	24.00	24.00	35.511	0.00310	PVC	0.0003	2.907	0	63%	85%	92%	103%	144%	160%	167%	178%
	4935:4975	H120013:H120012	CIR	24.00	24.00	187.751	0.00110	PVC	0.0012	5.929	0	31%	42%	45%	50%	71%	78%	82%	87%
	4975:5011	H120012:H120011	CIR	24.00	24.00	185.020	0.00110	PVC	0.0006	4.224	0	44%	58%	63%	71%	99%	110%	115%	122%
	5011:5074	H120011:H120010	CIR	24.00	24.00	331.597	0.00150	PVC	0.0019	7.550	0	24%	33%	35%	40%	56%	62%	64%	68%
	5074:5106	H120010:H110028	CIR	24.00	24.00	292.182	0.00160	PVC	0.0016	6.947	0	27%	36%	38%	43%	60%	67%	70%	74%
	5106:5131	H110028:H110027	CIR	24.00	24.00	237.928	0.00120	PVC	0.0011	5.835	0	32%	42%	46%	51%	72%	80%	83%	89%
H110027																			
JSI-5T-1																			

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Subarea Addition	Segment ID	NBC Segment ID	Shape	Dia1 (in)	Dia2 (in)	Length (ft)	Slope (GIS) (ft/ft)	Material	Slope Calculated	Capacity (mgd)	Invert Drop (ft)	Peak Dry Weather Flow (% of Full Pipe Capacity)				Peak Wet Weather Flow (% of Full Pipe Capacity)			
												Existing	2015	2020	2030	Existing	2015	2020	2030
	5131:5156	H110027:H110026	CIR	24.00	24.00	237.384	0.00150	PVC	0.0017	7.199	0	26%	35%	38%	43%	61%	68%	71%	75%
	5156:5212	H110026:H110025	CIR	24.00	24.00	307.050	0.00150	PVC	0.0013	6.330	0	29%	40%	43%	48%	70%	77%	80%	86%
	5212:5258	H110025:H110024	CIR	24.00	24.00	242.661	0.00170	PVC	0.0013	6.290	0	29%	40%	44%	49%	70%	78%	81%	86%
	5258:5373	H110024:H110021	CIR	24.00	24.00	268.351	0.00140	PVC	0.0016	6.853	0	27%	37%	40%	45%	65%	71%	74%	79%
	5373:5407	H110021:H110022	CIR	24.00	24.00	70.423	0.00270	PVC	0.0023	8.256	0	22%	31%	33%	37%	54%	59%	62%	66%
JSI-W1																			
	5407:5489	H110022:H110023	CIR	24.00	24.00	270.602	0.00110	PVC	0.0014	6.576	0	34%	45%	48%	53%	73%	84%	87%	92%
	5489:5571	H110023:H110020	CIR	24.00	24.00	248.507	0.00170	PVC	0.0016	6.862	0	33%	43%	46%	51%	70%	80%	83%	88%
H110020																			
New Central Avenue Force Main - Flow Data Increased due to New Configuration																			
Former Meter JSI-5T																			
	5571:5605	H110020:H110018	CIR	27.00	27.00	149.265	0.00190	PVC	0.0036	14.131	0	19%	31%	39%	44%	37%	50%	57%	62%
	5605:5615	H110018:H110017	CIR	27.00	27.00	42.243	0.00140	PVC	0.0012	8.159	0	33%	54%	67%	76%	65%	86%	99%	107%
	5615:5642	H110017:H110016	CIR	27.00	27.00	38.164	0.00160	PVC	0.0005	5.429	0	50%	82%	101%	114%	97%	129%	148%	161%
	5642:5639	H110016:H110015	CIR	27.00	27.00	12.166	0.01120	PVC	0.0049	16.654	0	16%	27%	33%	37%	32%	42%	48%	53%
	5639:5653	H110015:H110014	CIR	27.00	27.00	51.103	0.00100	PVC	0.0010	7.418	0	36%	60%	74%	83%	71%	95%	108%	118%
	5653:5679	H110014:H100013	CIR	27.00	27.00	153.630	0.00140	PVC	0.0021	10.991	0	25%	40%	50%	56%	48%	64%	73%	80%
	5679:5695	H100013:H100015	CIR	27.00	27.00	82.886	0.00100	PVC	0.0004	4.512	0	60%	98%	121%	137%	117%	156%	178%	194%
	5695:5725	H100015:H100014	CIR	27.00	27.00	79.303	0.00170	PVC	0.0018	9.964	0	27%	45%	55%	62%	53%	70%	81%	88%
	5725:5728	H100014:H100016	CIR	27.00	27.00	22.810	0.00160	PVC	0.0013	8.600	0	31%	52%	64%	72%	61%	82%	94%	102%
	5728:5747	H100016:H100017	CIR	27.00	27.00	168.746	0.00160	PVC	0.0017	9.660	0	28%	46%	57%	64%	55%	73%	83%	91%
	5747:5791	H100017:H100018	CIR	27.00	27.00	159.204	0.00220	PVC	0.0018	9.945	0	27%	45%	55%	62%	53%	71%	81%	88%
	5791:5826	H100018:H100019	CIR	27.00	27.00	214.790	0.00100	PVC	0.0019	10.361	0	26%	43%	53%	60%	51%	68%	78%	84%
	5826:5862	H100019:H100020	CIR	27.00	27.00	212.874	0.00120	PVC	0.0012	8.288	0	27%	54%	66%	74%	64%	85%	97%	106%
JSI-W2																			
	5862:5878	H100020:H100011	CIR	27.00	27.00	188.236	0.00180	PVC	0.0027	12.344	0	26%	40%	49%	54%	47%	61%	70%	75%
H100011																			
JSI-4T-3																			
	5878:5896	H100011:H100010	CIR	27.00	27.00	151.609	0.00180	PVC	0.0003	4.307	0	76%	116%	146%	162%	160%	176%	206%	222%
	5896:5907	H100010:H100009	CIR	27.00	27.00	173.295	0.00360	PVC	0.0092	22.787	0	14%	22%	28%	31%	30%	33%	39%	42%
Net Meter JSI-W																			
Gross Meter JSI-W																			
	5907:5944	H100009:H100008	CIR	27.00	27.00	302.492	0.01270	PVC	0.0097	23.379	0	14%	21%	27%	30%	29%	37%	42%	45%
	5944:6004	H100008:H100007	CIR	27.00	27.00	301.986	0.01420	PVC	0.0148	28.820	0	11%	17%	22%	24%	24%	30%	34%	37%
	6004:6047	H100007:H100006	CIR	27.00	27.00	297.271	0.00100	PVC	0.0005	5.327	0	61%	94%	118%	131%	129%	162%	186%	199%
	6047:6093	H100006:H100026	CIR	27.00	27.00	310.340	0.00110	PVC	-0.0034	#NUM!	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
		H100026:H100005	CIR	27.00	27.00	99.970	--	PVC	0.0133	27.353	0	12%	18%	23%	26%	25%	32%	36%	39%
JSI-V1																			
	6093:6096	H100005:H100004	CIR	27.00	27.00	20.314	0.00130	PVC	0.0039	14.882	1.33	23%	34%	43%	48%	47%	59%	67%	72%
	6096:6102	H100004:H100003	CIR	27.00	27.00	112.145	0.00110	PVC	0.0004	5.007	0	67%	102%	127%	141%	139%	174%	200%	214%
	6102:6125	H100003:H100002	CIR	27.00	27.00	118.135	0.00100	PVC	0.0013	8.450	0	40%	60%	75%	84%	82%	103%	118%	127%
	6125:6173	H100002:I90001	CIR	27.00	27.00	223.290	0.00100	PVC	0.0011	7.935	0	42%	64%	80%	89%	88%	110%	126%	135%
	6173:6206	I90001:I90030	CIR	27.00	27.00	115.741	0.00100	PVC	0.0008	6.613	0	51%	77%	96%	107%	105%	132%	151%	162%
	6206:6239	I90030:I90032	CIR	27.00	27.00	119.540	0.00140	PVC	0.0014	8.943	0	38%	57%	71%	79%	78%	97%	112%	120%
	6239:6240	I90032:I90031	CIR	27.00	27.00	21.397	0.01160	PVC	0.0112	25.115	0	13%	20%	25%	28%	28%	35%	40%	43%
JSI-4T-2																			

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Subarea Addition	Segment ID	NBC Segment ID	Shape	Dia1 (in)	Dia2 (in)	Length (ft)	Slope (GIS) (ft/ft)	Material	Slope Calculated	Capacity (mgd)	Invert Drop (ft)	Peak Dry Weather Flow (% of Full Pipe Capacity)				Peak Wet Weather Flow (% of Full Pipe Capacity)			
												Existing	2015	2020	2030	Existing	2015	2020	2030
	6240:6294	I90031:I90029	CIR	27.00	27.00	310.942	0.00320	PVC	0.0035	13.976	0	24%	36%	46%	51%	55%	62%	72%	77%
	6294:6324	I90029:I90028	CIR	27.00	27.00	162.174	0.02910	PVC	0.0284	39.940	0	8%	13%	16%	18%	19%	22%	25%	27%
JSI-V2																			
	6324:6365	I90028:I90027	CIR	27.00	27.00	202.063	0.01160	PVC	0.0117	25.629	0	13%	20%	25%	28%	31%	37%	42%	45%
	6365:6389	I90027:I90026	CIR	27.00	27.00	200.879	0.00120	PVC	0.0011	8.024	0	43%	65%	81%	89%	98%	119%	135%	144%
JSI-4T-1																			
	6389:6427	I90026:I90025	CIR	27.00	27.00	212.413	0.00220	PVC	0.0021	10.793	0	32%	48%	60%	66%	75%	89%	101%	107%
	6427:6439	I90025:I90024	CIR	27.00	27.00	94.766	0.00340	PVC	0.0033	13.563	0	25%	38%	48%	53%	60%	71%	80%	85%
	6439:6468	I90024:I90023	CIR	27.00	27.00	128.540	0.00260	PVC	0.0027	12.375	0	28%	42%	52%	58%	66%	77%	88%	93%
Net Meter JSI-V																			
Gross Meter JSI-V																			
	6468:6527	I90023:I90020	CIR	27.00	27.00	363.479	0.00540	PVC	0.0048	16.502	0	21%	31%	39%	43%	49%	60%	67%	72%
	6527:6549	I90020:I90019	CIR	27.00	27.00	55.958	0.00110	PVC	0.0013	8.387	5.48	41%	62%	77%	85%	97%	118%	133%	141%
	6549:6572	I90019:I90018	CIR	27.00	27.00	94.599	0.00130	PVC	0.0011	7.710	0	45%	67%	84%	93%	105%	128%	144%	154%
	6572:6557	I90018:I90021	CIR	27.00	27.00	56.344	0.00760	PVC	0.0076	20.717	0	17%	25%	31%	35%	39%	48%	54%	57%
	6557:6596	I90021:I90022	CIR	27.00	27.00	115.734	0.00140	PVC	-0.0001	#NUM!	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Former Meter JSI-4T																			
	6596:6603	I90022:I90017	CIR	27.00	27.00	76.596	0.00150	PVC	0.0031	13.274	0	26%	39%	49%	54%	61%	74%	84%	89%
I90017																			
JSI-U1																			
	6603:6558	I90017:I90016	CIR	30.00	30.00	204.777	0.00100	PVC	0.0019	13.530	0	33%	46%	64%	96%	67%	80%	99%	165%
Net Meter JSI-U																			
Gross Meter JSI-U																			
	6558:6537	I90016:I90015	CIR	30.00	30.00	137.674	0.00100	PVC	0.0005	7.082	0	62%	87%	123%	183%	128%	153%	189%	315%
	6537:6521	I90015:I90013	CIR	30.00	30.00	131.843	0.00530	PVC	0.0017	13.119	0	34%	47%	66%	99%	69%	83%	102%	170%
JSI-3T-4																			
	6521:6513	I90013:I90014	CIR	30.00	30.00	64.707	0.00500	PVC	0.0039	19.523	0	23%	32%	45%	66%	47%	56%	69%	114%
	6513:6503	I90014:I90011	CIR	30.00	30.00	296.338	0.00470	PVC	-0.0008	#NUM!	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
SIPHON																			
		I90011:775	0	0.00	0.00	0.000	0.00000	0	0.0000	0.000	0								
		775:774	0	0.00	0.00	0.000	0.00000	0	0.0000	0.000	0								
SIPHON																			
	6503:6484	774:I90007	CIR	12.00	12.00	155.498	0.00000	DIP	0.0000	0.000	0								
	6484:6461	I90007:I90034	CIR	30.00	30.00	131.209	0.00120	PVC	0.0004	6.131	0	72%	101%	142%	211%	149%	177%	218%	364%
	6461:6444	I90034:I90006	CIR	30.00	30.00	101.465	0.00100	PVC	0.0013	11.243	0	39%	55%	77%	115%	81%	96%	119%	198%
JSI-3T-3																			
JSI-S1																			
	6444:6432	I90006:I90005	CIR	30.00	30.00	84.080	0.00110	PVC	-0.0004	#NUM!	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
	6432:6423	I90005:I90004	CIR	30.00	30.00	155.200	0.00280	PVC	0.0077	27.503	0	17%	23%	32%	48%	34%	41%	50%	82%
I90004																			
	6423:6436	I90004:I90003	CIR	30.00	30.00	100.384	0.00160	PVC	0.0072	26.600	0	17%	25%	34%	50%	36%	43%	53%	86%
	6436:6488	I90003:I90037	CIR	30.00	30.00	202.000	0.00780	PVC	0.0068	25.866	0	18%	25%	35%	52%	37%	44%	54%	89%
SIPHON																			
		I90037:I90054	CIR	16.00	16.00	1057.000	0.00000	DIP	0.0000	0.000	0								
		I90054:I90043	CIR	30.00	30.00	238.100	0.00100	PVC	0.0059	24.170	0	19%	27%	38%	55%	39%	47%	58%	95%
		I90043:I90044	CIR	30.00	30.00	14.500	0.00210	PVC	0.0021	14.287	0	32%	46%	64%	94%	66%	80%	98%	160%
		I90044:J90038	CIR	30.00	30.00	115.000	0.00100	PVC	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
		J90038:J90004	CIR	30.00	30.00	356.000	0.00100	PVC	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
		J90004:J90005	CIR	30.00	30.00	391.900	0.00100	PVC	0.0008	8.690	0	53%	75%	105%	154%	109%	131%	161%	264%

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												Existing	2015	2020	2030	Existing	2015	2020	2030
JSI-3T-2																			
		J90005:J90006	CIR	30.00	30.00	242.200	0.00100	PVC	0.0007	8.562	0	54%	76%	107%	157%	111%	133%	163%	268%
		J90006:J90007	CIR	30.00	30.00	184.000	0.00100	PVC	0.0010	9.824	0	47%	67%	93%	136%	97%	116%	142%	233%
		J90007:J90001	CIR	30.00	30.00	57.000	0.00140	PVC	0.0016	12.481	0	37%	52%	73%	107%	76%	91%	112%	184%
		J90001:J90002	CIR	30.00	30.00	55.500	0.00100	PVC	0.0009	9.427	0	49%	69%	97%	142%	101%	121%	148%	243%
		J90002:J90008	CIR	30.00	30.00	117.000	0.00100	PVC	0.0009	9.631	0	48%	68%	95%	139%	99%	118%	145%	238%
		J90008:J90009	CIR	30.00	30.00	43.000	0.00100	PVC	0.0016	12.673	0	36%	52%	72%	106%	75%	90%	110%	181%
		J90009:J90013	CIR	30.00	30.00	86.000	0.00100	PVC	0.0012	10.710	0	43%	61%	86%	125%	89%	106%	131%	214%
		J90013:J90010	CIR	30.00	30.00	16.500	0.00100	PVC	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
		J90010:J90011	CIR	30.00	30.00	151.000	0.00100	PVC	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
		J90011:773	CIR	30.00	30.00	136.000	0.00120	PVC	0.0020	13.995	0	33%	47%	65%	96%	68%	81%	100%	164%
		773:J100047	CIR	30.00	30.00	240.000	0.00100	PVC	0.0020	14.046	0	33%	47%	65%	95%	68%	81%	100%	163%
		J100047:J100048	CIR	30.00	30.00	295.500	0.00150	PVC	0.0015	12.120	0	38%	54%	76%	111%	78%	94%	115%	189%
		J100048:J100049	CIR	30.00	30.00	225.000	0.00200	PVC	0.0024	15.244	0	30%	43%	60%	88%	62%	75%	92%	150%
JSI-3T-1																			
		J100049:J100050	CIR	30.00	30.00	310.000	0.00140	PVC	0.0006	7.978	0	58%	82%	115%	168%	119%	143%	175%	287%
		J100050:J100051	CIR	30.00	30.00	119.000	0.00100	PVC	0.0003	5.758	0	80%	114%	159%	233%	165%	198%	243%	398%
		J100051:J100045	CIR	30.00	30.00	261.000	0.00100	PVC	0.0011	10.287	0	45%	64%	89%	130%	92%	111%	136%	223%
		J100045:J100046	CIR	30.00	30.00	260.000	0.00100	PVC	-0.0002	#NUM!	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
		J100046:J100044	CIR	30.00	30.00	22.000	0.00140	PVC	0.0014	11.752	0	39%	56%	78%	114%	81%	97%	119%	195%
		J100044:J100052	CIR	30.00	30.00	198.200	0.00140	PVC	0.0009	9.199	0	50%	71%	100%	146%	103%	124%	152%	249%
		J100052:J100001	CIR	30.00	30.00	39.000	0.00100	PVC	0.0059	24.120	0	19%	27%	38%	56%	39%	47%	58%	95%
		J100001:J110056	CIR	30.00	30.00	144.000	0.00100	PVC	-0.0447	#NUM!	0	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Flow Enters Providence																			
Net Meter JSI-S																			
Gross Meter JSI-S																			
Former Meter JSI-3T																			
Secondary Interceptor Branch (JSI-2T Meter Basin)																			
JSI-R1																			
		J110031:J110032	CIR	8.00	8.00	133.650	--	ASC	0.0086	0.726	--	24%	24%	24%	24%	24%	24%	24%	24%
		J110032:J110033	CIR	8.00	8.00	136.660	--	ASC	0.0124	0.873	0	20%	20%	20%	20%	20%	20%	20%	20%
		J110033:J110025	CIR	8.00	8.00	245.930	--	ASC	0.0068	0.647	0	27%	27%	27%	27%	27%	27%	27%	27%
		J110025:J110027	CIR	8.00	8.00	77.540	--	ASC	0.0232	1.192	0	15%	15%	15%	15%	15%	15%	15%	15%
		J110027:J110026	CIR	8.00	8.00	221.030	--	ASC	0.0230	1.186	0	15%	15%	15%	15%	15%	15%	15%	15%
		J110026:J110030	CIR	8.00	8.00	50.000	--	ASC	0.0642	1.983	0	9%	9%	9%	9%	9%	9%	9%	9%
		J110030:J110028	CIR	8.00	8.00	296.840	--	ASC	0.0772	2.175	0	8%	8%	8%	8%	8%	8%	8%	8%
		J110028:J110029	CIR	8.00	8.00	130.840	--	ASC	0.0327	1.415	0	13%	13%	13%	13%	13%	13%	13%	13%
		J110029:J110002	CIR	8.00	8.00	297.940	--	ASC	0.0249	1.235	0	14%	14%	14%	14%	14%	14%	14%	14%
JSI-2T-2																			
JSI-R2																			
	5099:5084	J110002:J110001	CIR	8.00	8.00	126.062	0.01800	ASC	0.0124	0.871	0	47%	47%	47%	47%	162%	162%	162%	162%
	5084:5058	J110001:J120013	CIR	8.00	8.00	213.508	0.00400	ASC	0.0177	1.040	0	39%	39%	39%	39%	136%	136%	136%	136%
	5058:5018	J120013:J120012	CIR	8.00	8.00	175.015	0.00400	ASC	0.0037	0.477	0	86%	86%	86%	86%	296%	296%	296%	296%
	5018:4992	J120012:J120002	CIR	8.00	8.00	212.713	0.00400	ASC	0.0039	0.492	0	84%	84%	84%	84%	287%	287%	287%	287%
JSI-R3																			
	4992:4999	I120002:I120001	CIR	8.00	8.00	164.712	0.01000	ASC	0.0089	0.739	0	81%	81%	81%	81%	216%	216%	216%	216%

Future Capacity Indicators Worksheet
Johnston-South Interceptor

Subarea Addition	Segment ID	NBC Segment ID	Shape	Dia1 (in)	Dia2 (in)	Length (ft)	Slope (GIS) (ft/ft)	Material	Slope Calculated	Capacity (mgd)	Invert Drop (ft)	Peak Dry Weather Flow (% of Full Pipe Capacity)				Peak Wet Weather Flow (% of Full Pipe Capacity)			
												Existing	2015	2020	2030	Existing	2015	2020	2030
	4999:4988	I120001:I120003	CIR	8.00	8.00	22.388	0.00400	ASC	0.0098	0.776	0	77%	77%	77%	77%	206%	206%	206%	206%
	4988:4961	I120003:I120005	CIR	8.00	8.00	112.191	0.00400	ASC	0.0039	0.490	0	122%	122%	122%	122%	326%	326%	326%	326%
	4961:4953	I120005:I120004	CIR	8.00	8.00	266.161	0.00300	ASC	0.0031	0.434	0	137%	137%	137%	137%	367%	367%	367%	367%
	4953:4941	I120004:I120018	CIR	8.00	8.00	301.007	0.00300	ASC	0.0028	0.411	0	145%	145%	145%	145%	388%	388%	388%	388%
Former Central Avenue Force Main - Flow Data Reduced due to New Configuration																			
	4941:4863	J120018:J120017	CIR	8.00	8.00	228.930	0.01500	ASC	0.0286	1.323	0	18%	18%	18%	18%	93%	93%	93%	93%
JSI-2T-1																			
JSI-R4																			
	4863:4745	J120017:J120006	CIR	8.00	8.00	230.387	0.04400	ASC	0.0399	1.563	0	35%	35%	35%	35%	121%	121%	121%	121%
	4745:4688	J120006:J120007	CIR	8.00	8.00	230.052	0.04400	ASC	0.0440	1.641	0	34%	34%	34%	34%	115%	115%	115%	115%
	4688:4642	J120007:J120008	CIR	8.00	8.00	187.898	0.03500	ASC	0.0354	1.472	0	37%	37%	37%	37%	129%	129%	129%	129%
	4642:4542	J120008:J120009	CIR	8.00	8.00	274.643	0.01600	ASC	0.0164	1.003	0	55%	55%	55%	55%	189%	189%	189%	189%
	4542:4517	J120009:J120005	CIR	8.00	8.00	229.704	0.07300	ASC	0.0730	2.115	0	26%	26%	26%	26%	89%	89%	89%	89%
	4517:4498	J120005:J120001	CIR	8.00	8.00	195.000	0.04500	ASC	0.0450	1.660	0	33%	33%	33%	33%	114%	114%	114%	114%
	4498:4486	J120001:J120004	CIR	8.00	8.00	24.110	0.04500	ASC	0.0450	1.660	0	33%	33%	33%	33%	114%	114%	114%	114%
	4486:4475	J120004:J120003	CIR	8.00	8.00	125.292	0.04500	ASC	0.0450	1.660	0	33%	33%	33%	33%	114%	114%	114%	114%
	4475:4464	J120003:J120002	CIR	8.00	8.00	173.178	0.03600	ASC	0.0360	1.485	0	37%	37%	37%	37%	127%	127%	127%	127%
Net Meter JSI-R																			
Gross Meter JSI-R																			
Former Meter JSI-2T																			
Flow Enters Providence																			
Secondary Interceptor Branch (JSI-5T-4, JSI-5T-5)																			
	4270:4247	I130003:I130002	CIR	8.00	8.00	149.744	0.02000	ASC	0.0196	1.095	--								
	4247:4237	I130002:I130029	CIR	8.00	8.00	110.430	0.02000	ASC	0.0196	1.095	0								
	4237:4229	I130029:I130001	CIR	8.00	8.00	174.738	0.00680	ASC	0.0080	0.701	0								
	4229:4218	I130001:H130019	CIR	8.00	8.00	315.237	0.00460	ASC	0.0036	0.466	0								
JSI-5T-5																			
	4218:4205	H130019:H130018	CIR	8.00	8.00	148.465	0.00400	ASC	0.0041	0.502	0					116%	116%	116%	116%
	4205:4174	H130018:H130017	CIR	8.00	8.00	304.382	0.00400	ASC	0.0040	0.493	0					118%	118%	118%	118%
JSI-Y1																			
	4174:4157	H130017:H130016	CIR	8.00	8.00	95.868	0.00400	ASC	0.0045	0.524	0	96%	96%	96%	96%	208%	208%	208%	208%
	4157:4146	H130016:H130021	CIR	8.00	8.00	187.289	0.02000	ASC	0.0193	1.088	0	46%	46%	46%	46%	100%	100%	100%	100%
	4146:4140	H130021:H130015	CIR	8.00	8.00	163.326	0.03260	ASC	0.0225	1.175	0	43%	43%	43%	43%	93%	93%	93%	93%
JSI-5T-4																			
JSI-Y2																			
	4140:4120	H130015:H130014	CIR	8.00	8.00	225.011	0.02400	ASC	0.0248	1.234	0	54%	54%	54%	54%	127%	127%	127%	127%
	4120:4112	H130014:H130013	0	8.00	8.00	124.858	0.02200	ASC	0.0219	1.157	0	57%	57%	57%	57%	136%	136%	136%	136%
	4112:4109	H130013:H130012	CIR	8.00	8.00	65.666	0.02200	ASC	0.0218	1.155	0	57%	57%	57%	57%	136%	136%	136%	136%
	4109:4106	H130012:H130011	CIR	8.00	8.00	84.252	0.00600	ASC	0.0063	0.621	0	107%	107%	107%	107%	253%	253%	253%	253%
	4106:4105	H130011:H130010	CIR	8.00	8.00	101.233	0.00600	ASC	0.0058	0.597	0	111%	111%	111%	111%	263%	263%	263%	263%
	4105:4108	H130010:H130009	CIR	8.00	8.00	99.251	0.00600	ASC	0.0069	0.648	0	102%	102%	102%	102%	242%	242%	242%	242%
	4108:4119	H130009:H130008	CIR	8.00	8.00	222.486	0.03200	ASC	0.0320	1.399	0	47%	47%	47%	47%	112%	112%	112%	112%
	4119:4126	H130008:H130007	CIR	8.00	8.00	102.580	0.04000	ASC	0.0390	1.545	0	43%	43%	43%	43%	102%	102%	102%	102%
	4126:4131	H130007:H130022	CIR	8.00	8.00	97.171	0.04000	ASC	0.0412	1.588	0	42%	42%	42%	42%	99%	99%	99%	99%
	4131:4128	H130022:H130006	CIR	8.00	8.00	102.932	0.04000	ASC	0.0395	1.556	0	43%	43%	43%	43%	101%	101%	101%	101%
	4128:4127	H130006:H130005	CIR	8.00	8.00	72.059	0.05520	ASC	0.0518	1.781	0	37%	37%	37%	37%	88%	88%	88%	88%

Future Capacity Indicators Worksheet
Johnston-South Interceptor

Subarea Addition	Segment ID	NBC Segment ID	Shape	Dia1 (in)	Dia2 (in)	Length (ft)	Slope (GIS) (ft/ft)	Material	Slope Calculated	Capacity (mgd)	Invert Drop (ft)	Peak Dry Weather Flow (% of Full Pipe Capacity)				Peak Wet Weather Flow (% of Full Pipe Capacity)			
												Existing	2015	2020	2030	Existing	2015	2020	2030
	4127:4122	H130005:H130004	CIR	8.00	8.00	100.260	0.05520	ASC	0.0522	1.787	0	37%	37%	37%	37%	88%	88%	88%	88%
	4122:4111	H130004:H130003	CIR	8.00	8.00	128.574	0.05520	ASC	0.0531	1.804	0	37%	37%	37%	37%	87%	87%	87%	87%
	4111:4088	H130003:H130023	CIR	8.00	8.00	197.872	0.03020	ASC	0.0327	1.415	0.38	47%	47%	47%	47%	111%	111%	111%	111%
		H130023:714	CIR	8.00	8.00	105.040	--	ASC	0.0136	0.913	0	73%	73%	73%	73%	172%	172%	172%	172%
	4088:4072	714:H130025	CIR	12.00	12.00	153.350	0.00660	PVC	0.0211	3.958	0	17%	17%	17%	17%	40%	40%	40%	40%
	4072:4049	H130025:H130026	CIR	12.00	12.00	278.568	0.00500	PVC	0.0115	2.923	-2.35	23%	23%	23%	23%	54%	54%	54%	54%
Net Meter JSI-Y																			
Gross Meter JSI-Y																			
	4049:4032	H130026:H130002	CIR	12.00	12.00	263.079	0.00500	PVC	0.0209	3.947	-2.3	17%	17%	17%	17%	40%	40%	40%	40%
Flow Connection to Primary Branch at MH H130002																			
Secondary Interceptor Branch (JSI-5T-3)																			
JSI-X1																			
		701:G130007	CIR	15.00	15.00	10.080	--	PVC	0.0734	13.399	--	2%	2%	2%	2%	2%	2%	2%	2%
JSI-5T-3																			
	3751:3793	G130007:G130006	CIR	15.00	15.00	212.707	0.00430	PVC	0.0035	2.917	0	9%	9%	9%	9%	27%	9%	9%	9%
	3793:3827	G130006:G130005	CIR	15.00	15.00	196.317	0.00490	PVC	0.0050	3.512	0	7%	7%	7%	7%	22%	7%	7%	7%
JSI-X2																			
	3827:3836	G130005:G130004	CIR	15.00	15.00	153.933	0.00760	PVC	0.0073	4.218	0	20%	20%	20%	20%	33%	33%	33%	33%
	3836:3849	G130004:G130003	CIR	15.00	15.00	237.839	0.00810	PVC	0.0087	4.603	0	19%	19%	19%	19%	30%	30%	30%	30%
	3849:3907	G130003:G130002	CIR	15.00	15.00	324.948	0.00650	PVC	0.0065	3.995	0	22%	22%	22%	22%	34%	34%	34%	34%
	3907:3939	G130002:G130001	CIR	15.00	15.00	172.049	0.00410	PVC	0.0034	2.871	0	30%	30%	30%	30%	48%	48%	48%	48%
Net Meter JSI-X																			
Gross Meter JSI-X																			
	3939:3985	G130001:G130008	CIR	15.00	15.00	389.294	0.00300	PVC	0.0028	2.605	0	33%	33%	33%	33%	53%	53%	53%	53%
	3985:4020	G130008:H130001	CIR	15.00	15.00	290.823	0.00180	PVC	0.0015	1.924	0	45%	45%	45%	45%	72%	72%	72%	72%
Flow Connection to Primary Branch at MH H130001																			