Somerset Street - Summary of Street and Sidewalk Grades
2-4-2016

	Left of Centerline																	Centerline	Right of Centerline									
	Grade @37' LT (MidTown Building)	% Cross Slope - SW	Grade @ 31' LT (6 ft off building)	% Cross Slope - SW	Grade @ 27' LT (PL)	Grade @ 25' LT (Back of Tree Well)TOC	% Cross Slope -SW	Grade @ TOC (Face of Curb w/parking)	Curb Drop (FT)	Grade @ BOC (Face of Curb w/parking)	%Cross Slope - Parking	Grade @ 11' LT (Gutter Line)	% Cross Slope - TW	Grade @ 13' TOC (Face of Curb w/o parking)	Curb Drop (FT)	Grade @ BOC (Face of Curb w/o parking/Gutter)	% Cross Slope -TW	Grade @ 0' 17RT (Roadway Centerline)	% Cross Slope TW	Grade @ BOC (Gutter Line)	Curb Jump (FT)	Grade @ TOC (Face of Curb)	Grass Explanade % Cross Slope	Grade @ (TOC) back of SW	Curb Drop	Grade @ (BOC) back of SW	% Cross Slope- SW	Grade @ 27' RT (Noyes Building)
Offset from CL (FT)	37		31		27	25		19		19		11		13				0		13		13		19				27
Station																												
2+50								8.92	0.58	8.34	3.8%	8.04	2.7%					8.34		8.05	0.58				0.580			
2+75														9.03	0.58	8.45	3.0%	8.84	4.0%	8.32	0.58	8.90			0.580			
3+00	12.00	1.5%	11.88	2.00%		11.76								9.59	0.58	9.01	3.0%	9.40	4.0%	8.88	0.58	9.46	17.7%	10.52	0.580	9:940	2.0%	10.10
3+25	11.98			1.08%		11.85								10.14	0.58	9.56	3.0%	9.95	4.0%	9.43	0.58	10.01	0.3%	9.99	0.580	9.990	2.0%	10.15
3+50	11.98			1.83%		11.76 TOP STEPS								10.69	0.58	10.11	3.0%	10.50	4.0%	9.98	0.58	10.56	0.2%	10.57	0.580	9.990	2.0%	10.15
3+75	11.98	2.0%			11.74 TOP STEP 25'	11.33 BOTTOM STEP 24'	0.8%	11.28 14' NOT 19'	0.58	10.7 14' NOT 19'	2.0%	10.64	3.0%					10.97	4.0%	10.45	0.58	11.03	9.7%	10.45	0.580	9.950	2.0%	10.11
4+00	11.98											10.94	3.0%					11.27	4.0%	10.75	0.58	11.33	13.3%	10.53	0.580	9.95	2.0%	10.11
4+25	11.98	0.9%						11.81	0.58	11.23	2.0%	11.07	3.0%					11.40	4.0%	10.88	0.58	11.46	17.5%	10.41	0.580	9.83	2.0%	9.99
4+50	11.98	1.2%						11.77	0.58	11.19	2.0%	11.03	3.0%					11.36	4.0%	10.84	0.58	11.42	16.8%	10.41	0.580	9.83	2.0%	9.99
4+75	11.98	1.8%						11.65	0.58	11.07	2.0%	10.91	3.0%					11.24	4.0%	10.72	0.58	11.30	14.8%	10.41	0.580	9.83	2.0%	9.99
5+00	11.94	1.7%				11.74	3.8%	11.51	0.58	10.93	2.0%	10.77	3.1%					11.11	4.0%	10.59	0.58	11.17	13.2%	10.38	0.580	9.80	2.0%	9.96
5+25	11.94	1.7%				11.70	3.8%					10.72	3.0%	11.24	0.58	10.66	3.0%	11.05	4.0%	10.53	0.58	11.11	11.5%	10.42	0.580	9.84	2.0%	10.00
5+50	11.94	13.8 run 1.7%				11.70	2.9%					10.83	3.0%	11.35	0.58	10.77	3.0%	11.16	4.0%	10.64	0.58	11.22	11.8%	10.51	0.580	9.93	2.0%	10.09
5+75	11.98	13.8 run 1.3%						11.74	0.58	11.16	2.0%	11.00	3.0%					11.33	4.0%	10.81	0.58	11.39	12.5%	10.64	0.580	10.06	2.0%	10.22
6+00	11.94	0.4%						11.87	0.58	11.29	2.0%	11.13	3.0%					11.46	4.0%	10.94	0.58	11.52	14.7%	10.64	0.580	10.06	2.0%	10.22
6+25	11.94	0.9%						11.78	0.58	11.2	2.0%	11.04	3.0%					11.37	4.0%	10.85	0.58	11.43	16.8%	10.42	0.580	9.84	2.0%	10.00
6+50	11.92	1.9%				11.68		11.07	0.58	11.07	2.0%	10.91	3.0%					11.24	4.0%	10.72	0.58	11.30	24.7%	9.82	0.580	9.24	2.0%	9.40
6+75	11.94	12.72 run 1.7%				TOP RAMP 11.74	3.2%	FLUSH 11.49 17' NOT 19'	0.58	FLUSH 10.91 17' NOT 19'	1.5%	10.79	3.0%					11.12	4.0%	10.6	0.58	11.18	22.7%	9.82	0.580	9.24	2.0%	9.40
7+00	11.98											10.75	3.2%					11.10	4.0%	10.58	0.58	11.16	20.3%	9.94	0.580	9.36	2.0%	9.52
7+25								10.74 FLUSH 15' NOT 19'	0.58	10.74 FLUSH 15' NOT 19'	3.0%							11.19	4.0%	10.67			RAMP		0.580			10.52
7+50																		11.39							0.580			
7+75												11.25	3.0%					11.58	3.9%	10.99 15' RT	0.58	11.57 15'RT			0.580			
	GRADE AT 27' LT @ BUILDING	% Cross Slope - SW		%Cross Slope - SW			%Cross Slope -SW	19' off CL SW SPOT			%Cross Slope -SW								% Cross Slope TW	GRADE @ BOC 13'RT	Curb Jump (FT)	GRADE @ TOC 13'RT	% Cross Slope TW	19' RT GUTTER	% Cross Slope DW	27' RT		
8+00														11.89	0.58	11.31	3.0%	11.70										
8+25	11.98			0.71%										11.88	0.58	11.3	2.7%	11.65	3.2%	11.23 14'RT	0.58	11.81 14'RT						
8+50	11.98			1.86%										11.72	0.58	11.14	3.0%	11.53					3.0%	10.96	0.030	11.20		
8+75	11.98			2.00%				11.82			3.7%			11.6	0.58	11.02	3.0%	11.41					3.0%	10.84	0.030	11.08		
	GRADE AT 27' LT @ BUILDING	% Cross Slope - SW	GRADE AT 22' LT 5' FROM BUILDING				%Cross Slope -SW	19' off CL SW SPOT			%Cross Slope -SW								% Cross Slope TW	Grade @ 11'RT (Gutter)			% Cross Slope TW	Grade @ BOC 19' RT	Curb Jump (FT)	Grade @ TOC 19' RT	% Cross Slope- SW	27' RT @ R.O.W.
9+00	11.98	2.0%	11.88	3.6%										11.56	0.58	10.98	2.6%	11.32					3.0%	10.75	0.58	11.33	0.8%	11.39
9+25	11.98			1.1%				11.82			3.7%			11.6	0.58	11.02	3.0%	11.41					3.0%	10.84	0.58	11.42		
9+50	11.98			1.9%										11.72	0.58	11.14		11.53					3.0%	10.96	0.58	11.54		
9+75	11.98			0.7%										11.88	0.58	11.3	2.7%	11.65					3.0%	11.08	0.58	11.66	2.0%	11.82
10+00	11.98			0.6%										11.89	0.58	11.31	3.3%	11.74					3.0%	11.17	0.58	11.75	2.0%	11.91
10+25	11.98			0.9%										11.85	0.58	11.27	3.0%	11.66					3.0%	11.09	0.58	11.67	1.6%	11.80
10+50	11.98			1.9%										11.72	0.58	11.14	3.0%	11.53					3.0%	10.96	0.58	11.54	1.5%	11.66
10+75	11.98	2.0%	11.88	3.2%										11.59	0.58	11.01	3.0%	11.40					3.0%	10.83	0.58	11.41	2.0%	11.57
11+00	11.67			1.8%				11.53						10.95	FLUSH	10.95	3.0%	11.34					3.0%	10.77	0.58	11.35	1.8%	11.49
				TOR TO BLD				TOP RAMP						FLUSH														
11+25	11.67			2.0%				11.51						11.01	0.58	11.01	3.0%	11.40	3.0%	11.07			3.0%	10.83	0.58	11.41	1.5%	11.53
				TOR TO BLD				TOP RAMP																				
11+50														11.68	0.58	11.1	3.0%	11.49	3.0%	11.16			3.0%	10.92	0.58	11.50	1.5%	11.62
	GRADE AT 43' LT @ BUILDING		GRADE AT 35' LT 6' FROM BUILDING		GRADE AT 29' LT 12' FROM BUILDING	25' FROM CL @ BOTTOM OF TW	%Cross Slope -SW												% Cross Slope TW	Grade @ 11'RT (Gutter)		13' RT	% Cross Slope TW	Grade @ BOC 19' RT	Curb Jump (FT)	Grade @ TOC 19' RT	% Cross Slope- SW	
11+75	11.98		12.00	2.0%	11.88			11.73	0.58	11.15	2.0%	10.99	3.0%					11.32	3.0%	10.99			1.9%	10.84	0.58	11.42	2.0%	11.58
12+00	11.98			0.8%	11.88 31' LT	11.35 26' FROM CL	1.3%	11.26	0.58	10.68	2.0%	10.52	3.0%					10.85	3.0%	10.52			1.9%	10.37	0.58	10.95	2.0%	11.11
12+25	11.98					10.65	2.0%	10.53	0.58	9.95	2.0%	9.79	3.0%					10.12	3.0%	9.79			3.0%	9.55	0.58	10.13	2.0%	10.29
12+50	11.98	0.7%	11.94 37' LT			9.9	2.0%	9.78	0.58	9.2	2.0%	9.04	3.0%					9.37	3.0%	9.04			3.0%	8.80	0.58	9.38	1.5%	9.50
12+75								9.08	0.58	8.5	0.6%	8.45	3.2%					8.80	3.2%	8.45			3.1%	8.23	0.58	8.81	2.0%	8.99
13+00	11.98				8.69 31' LT BOSTEPS			8.48						8 FLUSH		8 FLUSH	3.2%	8.42				8.12 FLUSH	RAMP					9.03
13+25								TOP RAMP								7.73 INTERSEC	3.7%	8.21										
13+50																		8.06										

Legend

	=	Center Line
	=	Meets ADA Accessibility Cross Slope
	=	Does not meet ADA Accessibility Cross Slope

Chestnut Street Sidewalk Grades
2-9-2016

							Station					
		30.11' LT		25.68' LT	RAMP	18.40' LT	4+08.33					
		10.89	1.8%	10.81	6.2%	10.36						
							4+09.5	19.40' RT	RAMP	25.40' RT		31.40' RT
								10.34	8.0%	10.82	0.8%	10.87
				28.35' LT	RAMP	22.84' LT	4+18					
				10.9	8.0%	10.42						
				28.35' LT	RAMP	22.84' LT	4+25	23' RT		31' RT		48' RT
				10.90	8.0%	10.42		11.17	3.3%	11.43	2.0%	11.77
		50.89' LT		44.89' LT		32.58' LT	4+50	29.34' RT		41' RT		48' RT
		11.98	2.0%	11.86	5.7%	11.16		11.30	5.0%	11.88	1.3%	12.00
		50.89' LT		44.66' LT		33.73' LT	4+75	28.60' RT		34.80' RT		47.80' RT
		11.98	1.6%	11.88	4.7%	11.37		11.43	5.2%	11.75	1.9%	12.00
				50.90' LT		29.79' LT	5+00	23.50' RT		47.75' RT		
				12.00	2.0%	11.58		11.57	1.8%	12.00		
				50.90' LT		23.17' LT	5+25	16' RT		48.10' RT		
				12.00	0.8%	11.79		11.82	0.6%	12.00		
50.91' LT		44.91' LT		27.98' LT	RAMP	20.82' LT	5+51	12.75' RT	RAMP	20.35' RT		42.10' RT
11.98	1.7%	11.88	1.8%	11.57	6.7%	11.09		11.11	6.3%	11.59	0.1%	11.57
							5+75					
							INTERSECTION					
							6+00					
		25.00' RT		17.75' RT		12.07' LT	6+25	8.20' RT		14.06 RT		21.00' RT
		11.26	1.9%	11.12	3.9%	11.34		11.34	12.6%	10.6	2.0%	10.74
				28.77' LT		21.77' LT	6+35	13.87' RT		20.87' RT		
				10.78	2.0%	10.64		10.88	2.0%	11.02		
				29.02' LT		21.93' LT	6+50	13.91' RT		20.91' RT		
				10.72	2.0%	10.58		10.60	2.0%	10.74		
				29.03' LT		22.03' LT	6+75	14.00' RT		21.00' RT		
				10.26	2.0%	10.12		10.14	2.0%	10.28		
				29.04' LT		22.14' LT	7+00	14.00' RT		21.00' RT		
				9.98	2.0%	9.84		9.86	2.0%	10.00		
				29.05' LT		22.24' LT	7+25	13.68' RT		20.95' RT		
				9.885	2.0%	9.75		9.77	2.0%	9.91		

Pearl St. SW Grades
2-9-2016

			Station
34.98 LT		25.98 LT	30+50
9.19	2.0%	9.01	
35 LT		26 LT	30+79.67
10.68	2.0%	10.5	
35 LT		17.07 LT	30+99.5
11.18	0.1%	11.17	
42.96 LT	31+27.5	38.85 LT	31+31
11.79	2.0%	11.67	
58.50 LT		50.12 LT	31+55.67
12.00	1.4%	11.88	
59.50 LT		41.39 LT	31+74
12.00	0.0%	12.00	
59.58 LT		37.07 LT	31+77
12.00	-0.3%	12.06	

Elm Street Side Walk Grades
2-9-2016

						Station
			29' LT		22' LT	5002+67
			10.25	2.0%	10.11	
			30' LT		22' LT	5002+93
			10.63	2.0%	10.47	
			32' LT		22' LT	5003+31
			11.44	2.0%	11.24	
	33' LT		29.5' LT		21.8' LT	5003+48
	11.86	1.7%	11.8	1.8%	11.66	
			35' LT		22' LT	5004+02
			11.98	2.0%	11.72	
			39' LT		22' LT	5004+23
			11.65	1.9%	11.33	
			39.20' LT		22.16' LT	5004+50
			10.64	2.0%	10.3	
	46.37' LT	5004+85	34.95' LT		21.95' LT	5004+79
	10.72	2.0%	10.46	2.0%	10.2	
			43.90' LT		25.75' LT	5005+02
			10.37	2.0%	10	
			42.87' LT		26.87' LT	5005+20.5
			9.9	2.0%	9.58	
	42.5' LT		20' LT	RAMP		5005+58.8
	9.01	2.0%	8.57			
	35.60' LT		20' LT	RAMP	14'LT	5005+67
	8.95	2.0%	8.64	8.0%	8.16	

PRELIMINARY - NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION
2	02.17.16	FINAL SITE PLANS WITH CONDITIONS OF APPROVAL
1	11.14.14	FINAL LEVEL III SUBMISSION TO CITY OF PORTLAND

REVISIONS

STATE OF MAINE STEPHEN R. BUSHEY No. 7429 LICENSED PROFESSIONAL ENGINEER

P.E. STEPHEN R. BUSHEY
LIC. # 7429

PROJECT
midtown
PORTLAND, MAINE

SHEET TITLE
SOMERSET, CHESTNUT, ELM, AND PEARL STREETS SIDEWALK SLOPE DATA

CLIENT
FEDEQ DV001, LLC

FST 100 YEARS
FAY, SPOFFORD & THORNDIKE
ENGINEERS · PLANNERS · SCIENTISTS
778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

DRAWN:	KS	DATE:	OCTOBER 2014
DESIGNED:	BEK	SCALE:	N.T.S.
CHECKED:	SRB	JOB NO.	195350127
FILE NAME:	3062-GRADE SCHED		
SHEET	C-3.9		

R:\3062B - Midtown Amended - Portland, ME\Cadd\Permit Set\dwg\3062-GRADE SCHED.dwg davis_d 2/22/2016 5:21 PM