TABLE I
NORTH RETAINING WALL ROTATIONAL STATIC STABILITY EVALUATIONS (SECTION A-A)
SEAPORT LOFTS
NEWBURY STREET, PORTLAND, MAINE

Marine Clay Undrained Shear Strength Profile	Ground Improvement (Y/N, Strength)	Calculated Factor of Safety			
		Surcharge Loading			
		0 psf	250 psf	500 psf	600 psf
Profile No. 1	N	1.5	--	1.5	1.5
Profile No. 2	N	1.4	--	1.4	1.4
Profile No. 3	N	1.4	--	1.3	1.2
	Y, 0°	--	--	--	1.1
	Y, 20°	--	--	--	1.3
	Y, 40°	--	--	--	1.6

Do you have the parametric study for Profile No. 1, for the Surcharge Loading of 500 and 600 psf cases?

Notes:

1. Approximate location of cross section used in rotational stability evaluations shown on the attached Figure 1.
2. Subsurface soil and groundwater conditions modeled based on conditions encountered in test borings completed on site by Geotechnical Services, Sebago Technics and SW Cole.
3. Refer to Figure 2 for marine clay undrained shear strength profile details. Undrained shear strength values shown taken from in-situ vane shear and laboratory unconfined compressive strength tests completed by Geotechnical Services, Sebago Technics and SW Cole within and from test borings drilled on site.
4. Range in surcharge loading and marine clay undrained shear strength were varied to evaluate overall sensitivity as it relates to the calculated factor of safety since actual values are unknown.
5. Rotational stability evaluations completed using Slide v. 6.035 computer program developed by Rocscience, Inc. using Simplified Bishop and Janbu methodology.