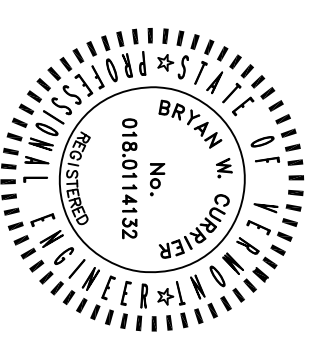


### Storm Information

	PROJECT BOUNDARY • 4145 SF • 0.75 AC
	PARKING/PEP IMPERVIOUS • 18,902 SF • 0.44 AC
	ROOF TOP COVERAGE • 14,492 SF • 0.33 AC
<b>PROJECT IMPERVIOUS • 33,394 SF • 0.77 AC</b>	
<b>PROJECT EXISTING IMPERVIOUS • 30,587 SF • 0.70 AC</b>	
<b>REDEVELOPED IMPERVIOUS • 30,587 SF • 0.70 AC</b>	
<b>NEW IMPERVIOUS • 2,807 SF • 0.06 AC</b>	
<b>PROJECT PERVIOUS • 8,021 SF • 0.18 AC</b>	
<b>COMBINED STORM/SEWER PRE TREATMENT STANDARDS</b>	
<b>1-YEAR EVENT STANDARD</b>	
PROJECT AREA • 4145 SF • 0.75 AC	
PROJECT EXISTING IMPERVIOUS • 30,587 SF • 0.70 AC	
50% REDEVELOPED IMPERVIOUS • 15,294 SF • 0.35 AC	
100% NEW IMPERVIOUS (PER MODEL) • 0 SF • 0 AC	
REDEVELOPED / PRE IMPERVIOUS AREA • 15,294 SF • 0.35 AC	
PERVIOUS AREA • 26,121 SF • 0.60 AC (H56 AI)	
PRE-DEVELOPMENT 1-YR PEAK STANDARD (HYDROCAD) • <b>0.99 CFS</b>	
<b>10-YEAR EVENT STANDARD</b>	
SEWER DESIGN DEMAND • 19,000 GPD	
93 HOTEL ROOMS @ 100 GPD PER ROOM • 9,300 GPD	
2 LAUNDRY MACHINES @ 500 GPD PER MACHINE • 1,000 GPD	
20 SENIOR HOUSING UNITS @ 20 GPD • 4,200 GPD	
100 RESTAURANT SEATS @ 45 PER SEAT • 4,500 GPD	
SEWER PEAK DEMAND • 19,000 GPD / 16 HOURS X 4.2 PEAKING FACTOR (D10000 GFD) X 2 SAFETY FACTOR • 9,975 GPH	
• 9,975 GPH / 3,600 5/MIN X 0.134 GAL/CF • <b>0.38 CFS</b>	
PROJECT AREA • 4145 SF • 0.75 AC	
PROJECT EXISTING IMPERVIOUS AREA • 33,394 SF • 0.77 AC	
PROJECT PERVIOUS AREA • 8,021 SF • 0.18 AC	
10-YR PEAK RUNOFF (HYDROCAD MODEL) • 384 CFS	
10-YR PEAK PRE STANDARD • 384 CFS - 0.38 CFS • <b>346 CFS</b>	



DATE	REVISION	BY
01/14/19	PRELIMINARY	ST1
02/16/20	RECORD DRAWING	ST1
02/16/20	FINAL	ST1
02/16/20	REVISION	ST1
02/16/20	ENCLAVE	ST1
02/16/20	DRAWN	ST1
02/16/20	CHECKED	ST1
02/16/20	SCALE	ST1
<b>O'LEARY-BURKE CIVIL ASSOCIATES, P.C.</b> 13 COMPASS POINT DRIVE FARMINGHAM, NY 11737 PHONE 838-8800 FAX 838-8801 EMAIL: o'b@obca.com		Project: <b>Hotel Champlain</b> Drawing: <b>Stormwater Management Plan</b> Treatment Standard Calculations Scale: <b>1"=20'</b>
DATE	BY	SCALE
01/14/19	ST1	1"=20'
02/16/20	ST1	1"=20'
02/16/20	ST1	1"=20'
02/16/20	ST1	1"=20'