

Soil Results for Area I						
Test Pit Number	SHWT inches	Bedrock inches	Seepage inches	Conventional	Spray	Drip
1	21	33	*****	Suitable	Suitable	Suitable
2		10	*****	Unsuitable	Unsuitable	Unsuitable
3	21	39	*****	Suitable	Suitable	Suitable
4	20	35	*****	Suitable	Suitable	Suitable
5	21	48	*****	Suitable	Suitable	Suitable
6	*****	16	*****	Unsuitable	Suitable	Unsuitable
7	*****	22	*****	Suitable	Suitable	Maybe (PADEP Approval)
26	****	20 OV/ 30 R	*****	Suitable	Suitable	Maybe (PADEP Approval)
27	****	20 OV/ 30 R	*****	Suitable	Suitable	Maybe (PADEP Approval)
28	****	20 OV/ 30 R	*****	Suitable	Suitable	Maybe (PADEP Approval)
Drip Area		75,134 sf	Application Rate Summer		1.78	In-Acre per week
		1.72 Acre	Application Rate Winter		0.89	In-Acre per week
			Capacity Summer		11,909	gpd
			Capacity Winter		5,955	gpd

Soil Results for Area II						
Test Pit Number	SHWT inches	Bedrock inches	Seepage inches	Conventional	Spray	Drip
8	*****	15	*****	Unsuitable	Unsuitable	Unsuitable
9	24	36	*****	Suitable	Suitable	Suitable
10	22	48	*****	Suitable	Suitable	Suitable
11	*****	22 OV/ 60 R	*****	Suitable	Suitable	Maybe (PADEP Approval)
12	22	36	*****	Suitable	Suitable	Suitable
13	21	33	*****	Suitable	Suitable	Suitable
14	****	23	*****	Suitable	Suitable	Maybe (PADEP Approval)
15	****	21	24	Suitable	Suitable	Maybe (PADEP Approval)
25	32	****	****	Suitable	Suitable	Suitable
Drip Area		102,957 sf	Application Rate Summer		1.78	In-Acre per week
		2.36 Acre	Application Rate Winter		0.89	In-Acre per week
			Capacity Summer		16,319	gpd
			Capacity Winter		8,160	gpd

Soil Results for Area III						
Test Pit Number	SHWT inches	Bedrock inches	Seepage inches	Conventional	Spray	Drip
16	20	****	30	Suitable	Suitable	Suitable
17	15	48	****	Unsuitable	Suitable	Unsuitable
18	20	****	****	Suitable	Suitable	Suitable
19	24	****	****	Suitable	Suitable	Suitable
20	24	****	****	Suitable	Suitable	Suitable
21	15	****	15/ 36	Unsuitable	Suitable	Unsuitable
22	31	****	****	Suitable	Suitable	Suitable
23	25	****	40	Suitable	Suitable	Suitable
24	22	****	36	Suitable	Suitable	Suitable
Drip Area		196,267 sf	Application Rate Summer		1.24	In-Acre per week
		4.51 Acre	Application Rate Winter		0.62	In-Acre per week
			Capacity Summer		21,672	gpd
			Capacity Winter		10,836	gpd

Soil Results for Area IV						
Test Pit Number	SHWT inches	Bedrock inches	Seepage inches	Conventional	Spray	Drip
Drip Area		30,721 sf	Application Rate Summer		1	In-Acre per week
		0.71 Acre	Application Rate Winter		0.5	In-Acre per week
			Capacity Summer		2,736	gpd
			Capacity Winter		1,368	gpd

Soil Results for Area V						
Test Pit Number	SHWT inches	Bedrock inches	Seepage inches	Conventional	Spray	Drip
Drip Area		91,230 sf	Application Rate Summer		1	In-Acre per week
		2.09 Acre	Application Rate Winter		0.5	In-Acre per week
			Capacity Summer		8,124	gpd
			Capacity Winter		4,062	gpd

Summary Table			
Available Capacity		Required Peak Day	Required 7 Day Average
Overall Capacity Summer	60,759	47,450	31,181
Overall Capacity Winter	30,380	35,588	23,386

Hawthorne Resort Flow Generation Chart Full Build Out				
Sewage/Water Uses	Units	Unit Type	flow per unit	Total flow
Swimming Recreational Pool Use	250	Guest	10	2,500
Spa (Therapy Pool Use)	125	Guest	10	1,250
Spa Operators	6	Lic. Operator	200	1,200
Banquet center	240	Meals Served	10	2,400
Restaurant	425	Meals Served	10	4,250
Restaurant	425	Meals Served	10	4,250
Hotel	100	units	100	10,000
Cabins	144	Unit	150	21,600
Total Flow				47,450

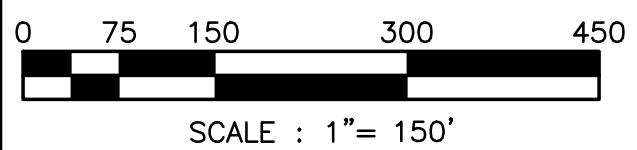
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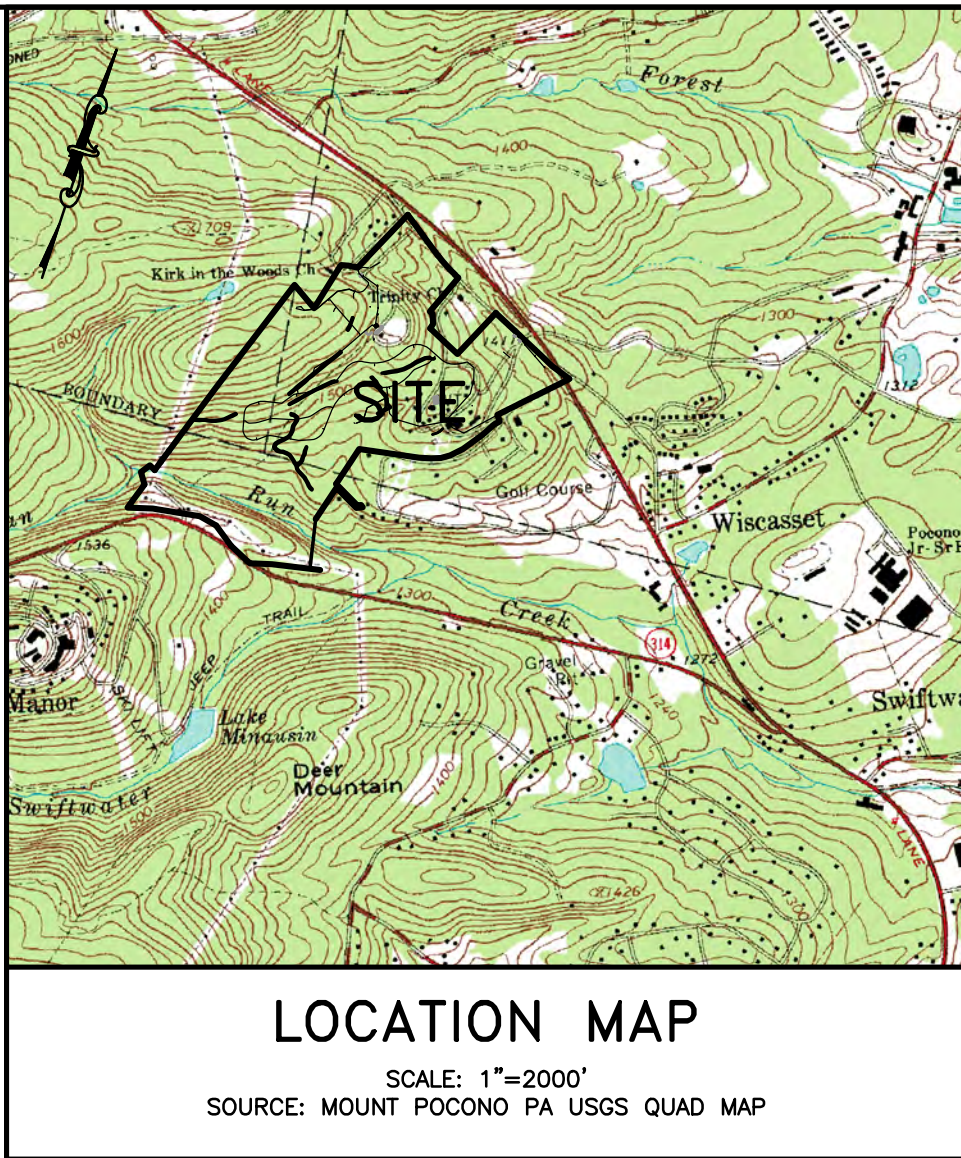
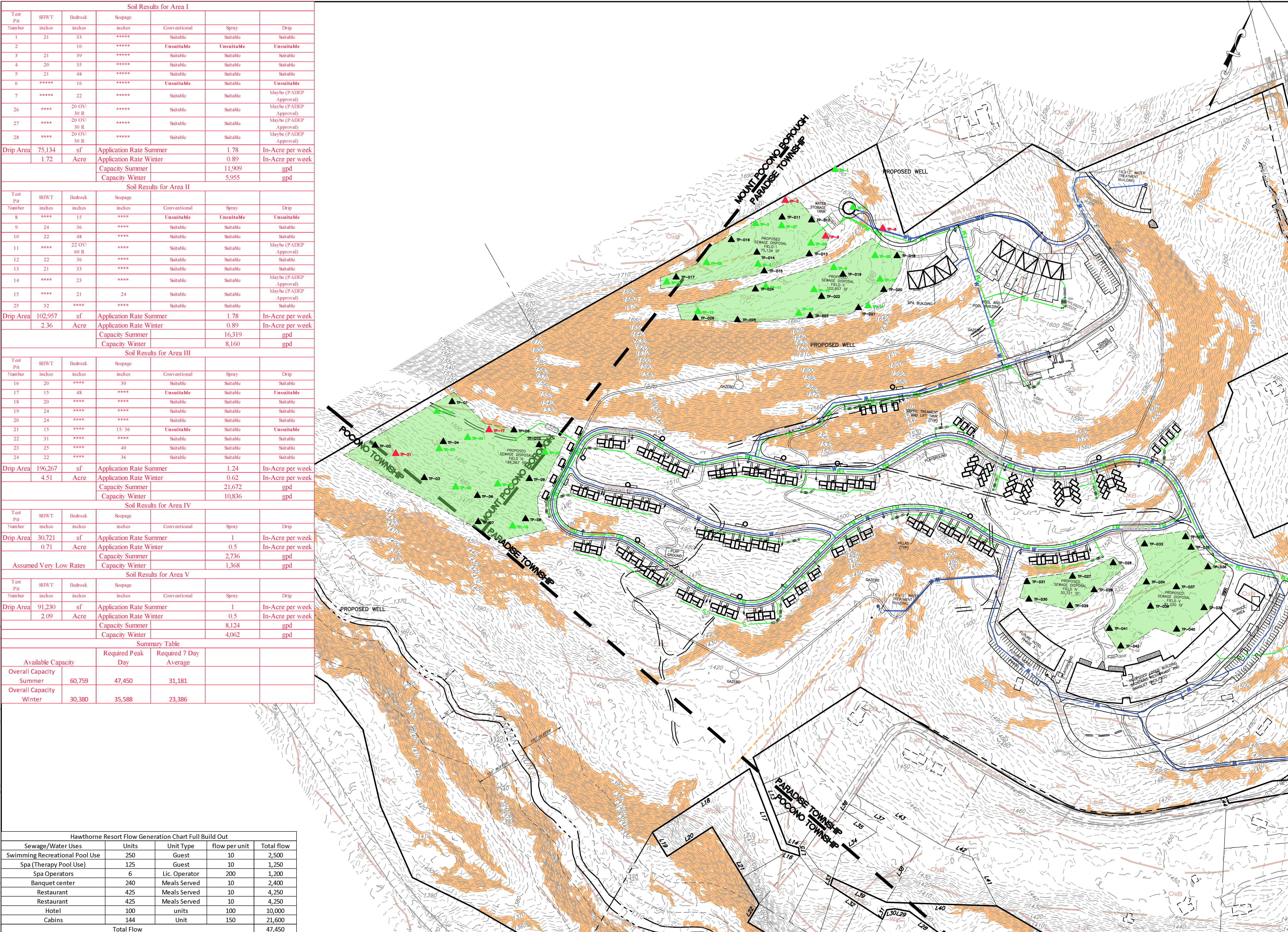
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REVISIONS :		DATE	DESCRIPTION	DATE	DESCRIPTION
		5/18/22	REVISED FOR ADDITIONAL TESTING		
		8/09/22	REVISED FOR ADDITIONAL TESTING		

PROJECT :	HAWTHORNE MOUNT POCONO RESORT SR 611, PARADISE TOWNSHIP MONROE COUNTY, PA
APPLICANT :	JOEL SHTESL 739 BEDFORD AVENUE BROOKLYN, NY 11205



JOB NO.: 208449	TITLE : DRIP SYSTEM TESTING PLAN	
DRAWN BY: ELH	<b>Boucher &amp; James, Inc.</b> CONSULTING ENGINEERS DOYLESTOWN • BETHLEHEM • STROUDSBURG REGIONAL OFFICE: 559 MAIN STREET, SUITE 230 BETHLEHEM, PA 18018 VOICE: (610) 419-9407 FAX: (610) 419-9408 	
CHECKED BY: KJR		
SCALE: 1" = 150'		
PLAN STATUS: PERMIT	PROJECT NAME : HAWTHORNE MOUNT POCONO RESORT	SHEET 1 OF 1
		DATE: APRIL 8, 2022



Flow Distribution Table Summer				
Day of Week	Resort Occupancy %	Projected Daily Flow	Discharge Drip Irrigation System	Held in EQ
Friday	75%	35,588	31,500	4,088
Saturday	100%	47,450	31,500	20,038
Sunday	100%	47,450	31,500	35,988
Monday	60%	28,470	31,500	32,958
Tuesday	35%	16,608	31,500	18,065
Wednesday	30%	14,235	32,300	0
Thursday	60%	28,470	28,470	0
Peak Week Flow, gpd		31,181		

Flow Distribution Table Winter				
Day of Week	Resort Occupancy %	Projected Daily Flow	Discharge Drip Irrigation System	Held in EQ
Friday	56%	26,691	25,000	1,691
Saturday	75%	35,588	25,000	12,278
Sunday	75%	35,588	25,000	22,866
Monday	45%	21,353	25,000	19,218
Tuesday	26%	12,456	25,000	6,674
Wednesday	23%	10,676	17,350	0
Thursday	45%	21,353	21,353	0
Peak Week Flow, gpd		23,386		

