

PEACOCK PARK BEACH AREA & BEACH HOUSE

ADV Engineering
A Different View Of The Future





**ADV
ENGINEERING**

A DIFFERENT VIEW OF THE
FUTURE.

~Schematic Design~

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Mitchell Schweitzer - Project Manager



Collin Parsons - Civil Engineer



Stoan Bush - Construction Engineer



Dakota Bragg - Civil Engineer



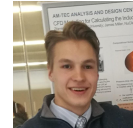
Maria Merrill - Structural Engineer



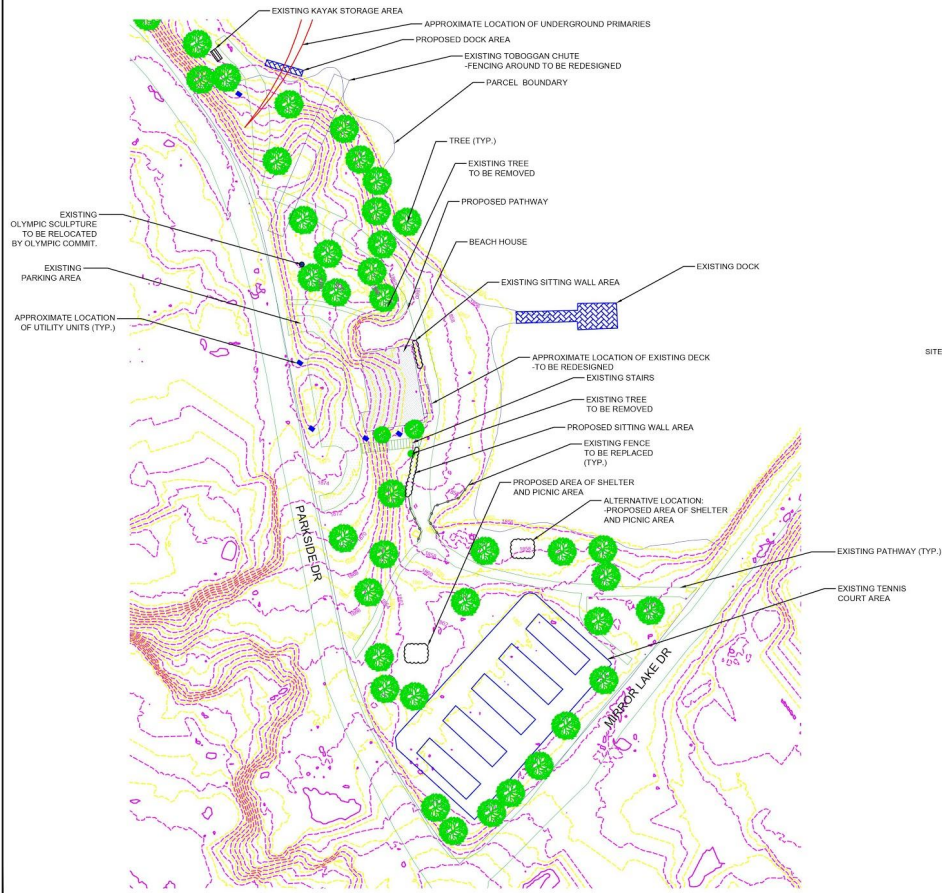
Matthew Garber - Architectural Designer



Mark Anastas - Project Engineer

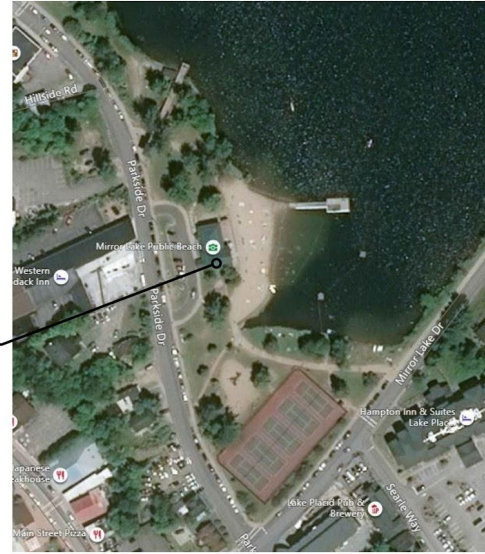


Adam Sherwood - Architect



SITE PLAN
1" = 80'

SITE LOCATION



LOCATION MAP
1" = 60'±

PRELIMINARY
FOR REVIEW AND APPROVAL ONLY

NO.	REVISIONS	DATE	BY

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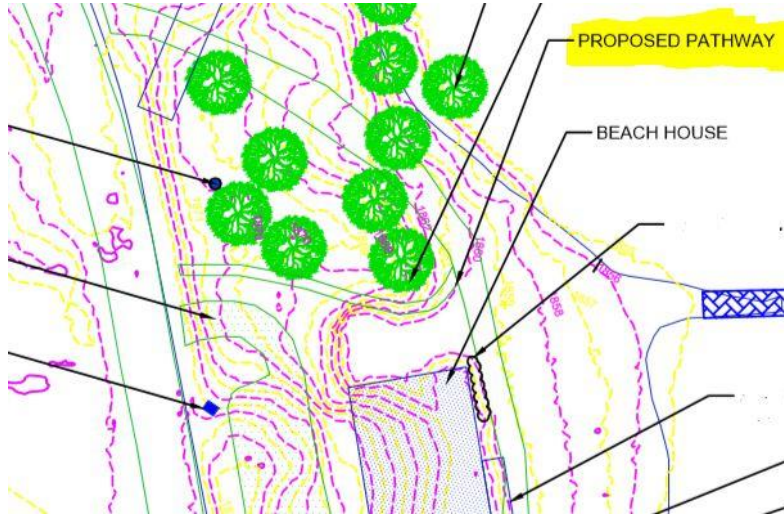
PROJECT: SITE PLAN
Peacock Park Beach Area and Beach House
 31 PARKSIDE DR,
 Lake Placid, NY 12946

2020-001

Project Overview:

- Specific cost of each improvement to facilitate the creation of an implementation plan
- Collaborate with members
- Eliciting public comment and support for the project

Pathway:

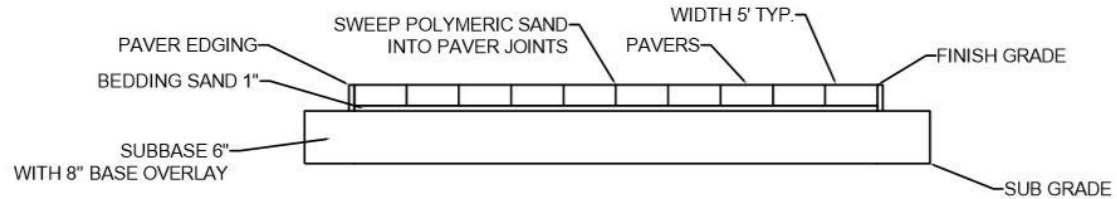


Description: Enhance pedestrian access to beach area with new pedestrian pathway.

Design: Paver surface, aesthetically pleasing, easy to maintain long-term. Alternatives considered were gravel and stamped concrete.

Duration: 10 Days

Pathway:



PAVER WALKWAY TYPICAL SECTION - NOT TO SCALE

Deck:

Description: Placing a 10” post in place for the temporary one and an in ground footing

Design: Replace temporary post with a permanent one. 3 alternative designs

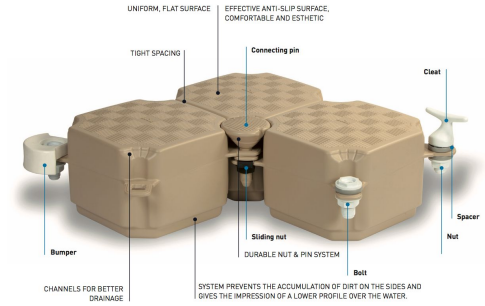
Duration: 15 days

Alternative Deck Designs:

- 3 alternative designs (10', Trex, 12')
- 10'
 - least expensive option in reconstruction, but more expensive in the long run due to maintenance costs
- Trex
 - Most expensive option
 - Lava rock color trex
 - LR-1 railings
- 12'
 - Less expensive than Trex, more expensive than 10' but same maintenance cost as 10'



Dock:

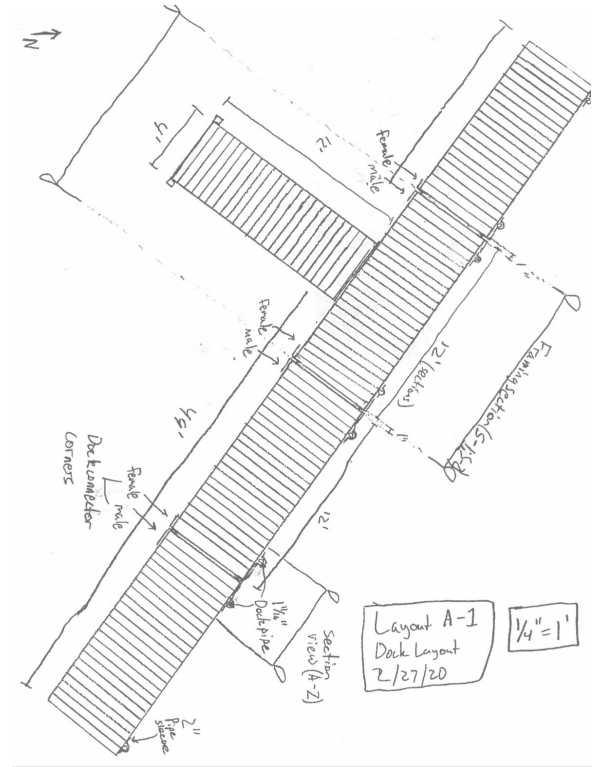
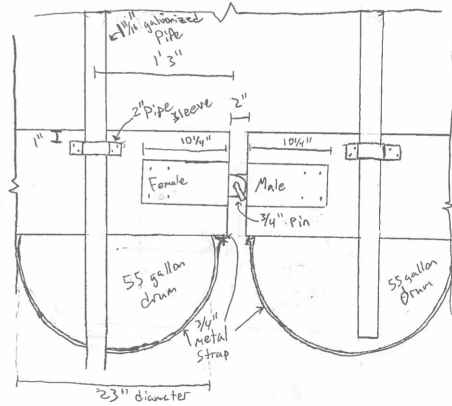
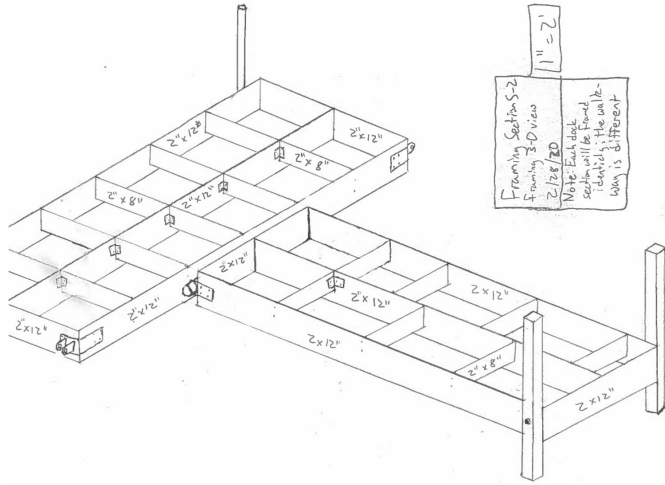


Description: Dock is made up of 19” by 19” blocks with anti-slip surfaces

Design: 6.5’ by 40’ Modular Floating Dock

Duration: Initial installation is 5 days. Removing and reinstalling after would take 1 day

Alternative Dock Design:



Sitting Wall/Retaining Wall:

Description: Using Armour Stones to create a 50' Sitting Wall and a Retaining Wall along Mirror Lake

Design: The stones are about 14" high and 500-600 lb each making them heavy duty and durable enough

Duration: 10 Working Days For Each

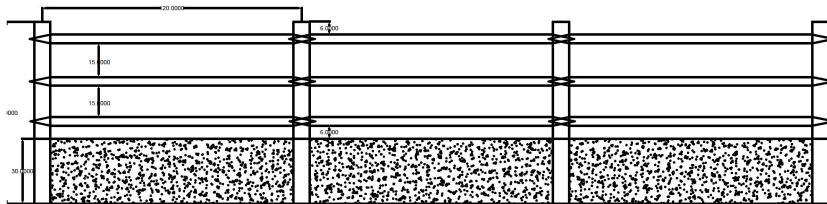
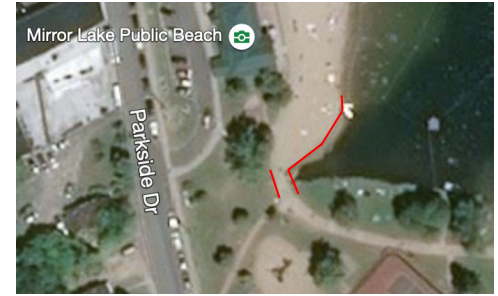


Pathway Fence:

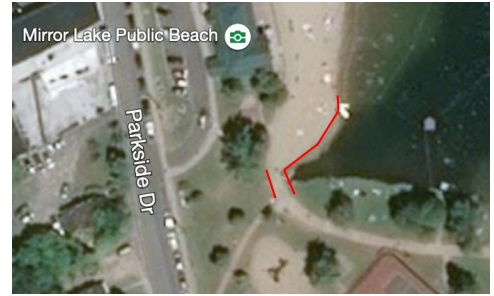
Description: Split-rail fence along beach pathway near outlet

Design: 140 linear feet - 11' rails and 7' posts

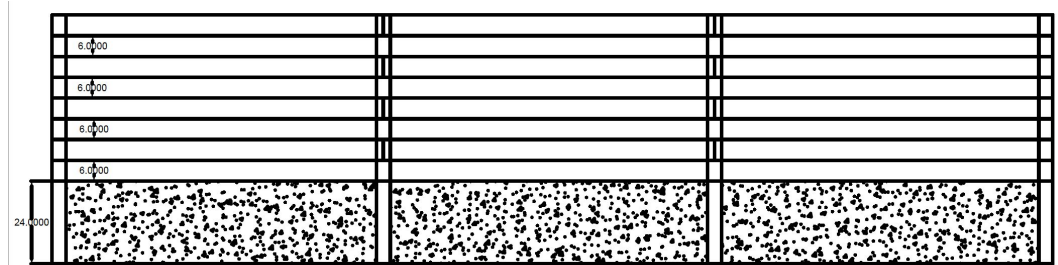
Duration: 10 days



Alternate Pathway Fence:



Description: Ranch-style fence made of larger cedar boards



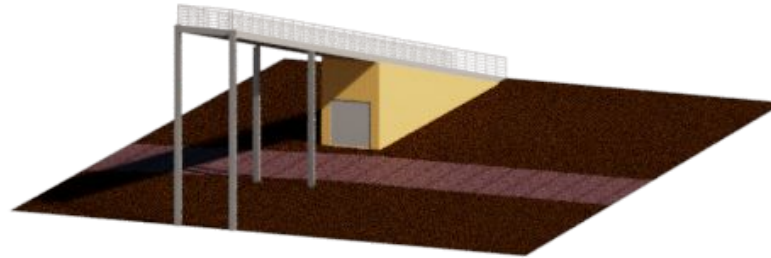
Toboggan Fencing:



Description: Storage shed built under Toboggan Chute

Design: 750 sq ft side walls and 300 sq ft face with double door using pressure-treated lumber

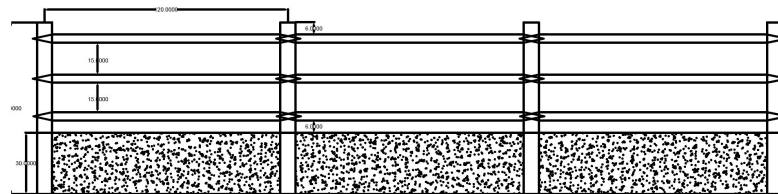
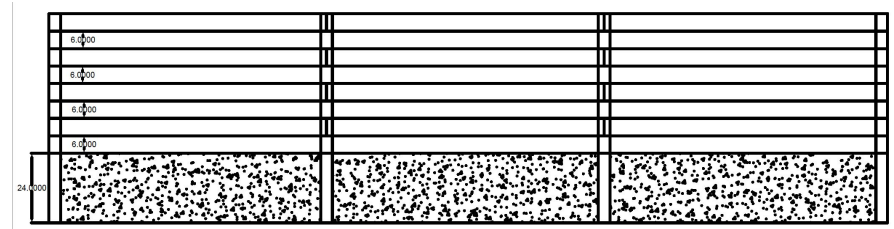
Duration: 1 month



Alternate Toboggan Fencing:



Description: Fencing around area desired to be kept private to match fencing chosen for pathway



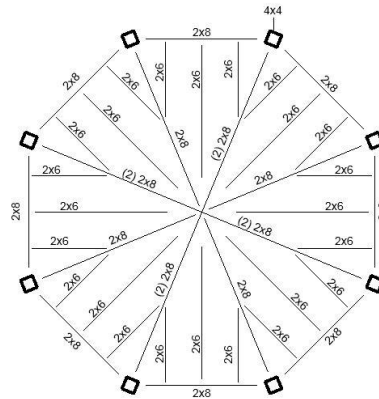
Permanent Shelter:



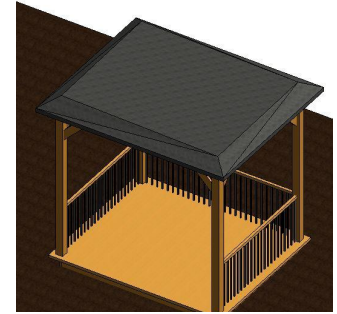
Description: Octagon gazebo permanently located at by the playground or by Mirror Lake

Design: 8' by 8' shelter with 4x4 posts, 8 feet high posts, 11 feet high at top of turret roof, wood shake roofing, and concrete foundation

Duration: 20 days



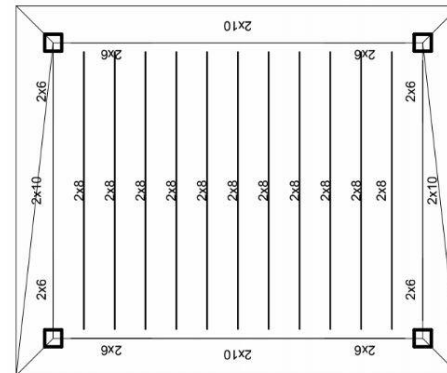
Movable Shelter:



Description: Rectangular shelter, transportable

Design: 8' by 10' with 6x6 posts that are 10 feet high, 10.5 feet high at top of semi flat roof, metal deck roofing, sits on a deck with three rails running along the bottom lengthwise

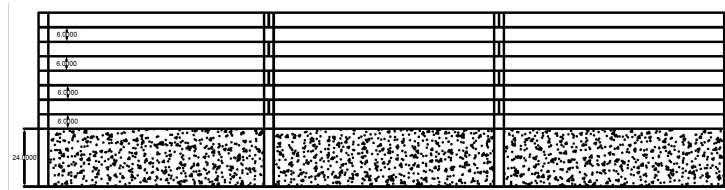
Duration: 10 days initial construction, 1 day transportation



Miscellaneous:



Description: Fencing around utility boxes to match pathway fencing chosen



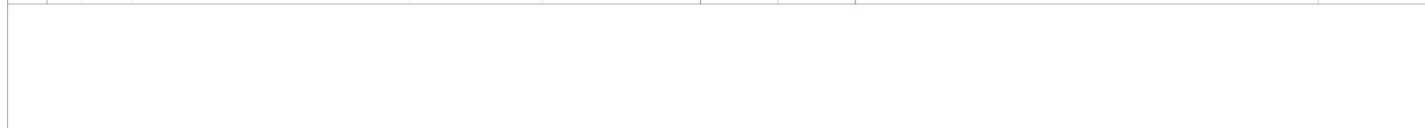
Description: Juniper plantings along sidewalk to deter herd paths



Summary of Estimate

		Material	Quantity	Unit	Price/Unit	Total	Included in Estimate Total (Y/N)
Dock							
	Alternative 1	Plastic Resin	260	SF	\$36.00	\$9,360	Y
	Alternative 2	Pressure Treated Board	288	SF	\$27.00	\$7,776	
Deck							
	Alternative 1	Trex	240	SF	\$79.00	\$18,960	Y
	Alternative 2	Pressure Treated Wood	240	SF	\$61.00	\$14,640	
	Alternative 3	Pressure Treated Wood	200	SF	\$69.00	\$13,800	
	Alternative 4	Pressure Treated Wood Post Replacement	1	LS	\$3,700	\$3,700	Y
Shelter							
	Alternative 1	Permanent Shelter	64	SF	\$168.00	\$10,752	
	Alternative 2	Movable Shelter	80	SF	\$160.00	\$12,800	Y
	Alternative 3	Recycled Plastic ADA Picnic Tables	2	EA	\$1,300.00	\$2,600	Y
Pathways							
	Alternative 1	Gravel	138	LF	\$27.00	\$3,726	
	Alternative 2	Stamped Concrete	138	LF	\$51.00	\$7,038	
	Alternative 3	Pavers	138	LF	\$80.00	\$11,040	Y
Fencing & Plantings							
	Alternative 1	Pine Fence at Outlet	140	LF	\$30.00	\$4,200	
	Alternative 2	Cedar Fence at Outlet	140	LF	\$41.00	\$5,740	Y
	Alternative 3	Tobboggan Chute Shed	1	LS	\$15,500.00	\$15,500	Y
	Alternative 4	Tobboggan Chute Fence Mimic Pine	1	LS	\$6,500.00	\$6,500	
	Alternative 5	Tobboggan Chute Fence Mimic Cedar	1	LS	\$9,000.00	\$9,000	
	Alternative 6	Utilites Screening	40	LF	\$41.00	\$1,640	Y
	Alternative 7	Herd Path Plantings	30	EA	\$34.00	\$1,020	Y
Sitting Wall							
		Stone	50	LF	\$200.00	\$10,000	Y
Retaining Wall							
		Stone	20	LF	\$200.00	\$4,000	Y
						Subtotal	\$96,360
						Tax	\$7,709
						Total	\$104,069

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	January	February	March	April	May	June	July	August	September	October
							J	F	M	A	M	J	J	A	S	O
0		20200305 - Schematic Design Schedule	105 days	Mon 4/20/20	Fri 9/11/20											
1		1 NYOR Projects Peacock Park	105 days	Mon 4/20/20	Fri 9/11/20											
2		1.1 Permitting	20 days	Mon 4/20/20	Fri 5/15/20											
3		1.1.1 APA Permit for In-Water Work	20 days	Mon 4/20/20	Fri 5/15/20											
4		1.2 Submittals	20 days	Mon 4/20/20	Fri 5/15/20											
5		1.3 Mobilization	5 days	Mon 5/18/20	Fri 5/22/20	4										
6		1.4 Removals	5 days	Mon 5/25/20	Fri 5/29/20											
7		1.4.1 Tree Removals	3 days	Mon 5/25/20	Wed 5/27/20	5										
8		1.4.2 Fence Removals	2 days	Thu 5/28/20	Fri 5/29/20	7										
9		1.5 Deck	15 days	Mon 6/1/20	Fri 6/19/20	8										
10		1.6 Dock	5 days	Mon 6/22/20	Fri 6/26/20	9										
11		1.7 Pathways	10 days	Mon 7/6/20	Fri 7/17/20	10										
12		1.8 Shelter	10 days	Mon 7/20/20	Fri 7/31/20	11										
13		1.9 Fencing	10 days	Mon 8/3/20	Fri 8/14/20	12										
14		1.10 Sitting Wall	10 days	Mon 8/17/20	Fri 8/28/20	13										
15		1.11 Retaining Wall	10 days	Mon 8/31/20	Fri 9/11/20	14										



Project: 20200305 - Schematic Date: Thu 3/5/20	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

Thank you!
Questions?