

DPW031	DPW	SANDER #3	Sidewalk Sander	2000	x			7'6"	3'6"	3
DPW032	DPW	HMDE TRAILER	Utility Trailer	2005		x		20'	8'6"	6
DPW033	DPW	HMDE TRAILER	Utility Trailer	2019	x			16'	8'	4

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Barre City DPW Program

NAME	NEEDS	WANTS	FUNCTION/ CAPACITY/ COMMENTS
Ductile Iron Piping	750		
Stone Aggregate & hot mix	1,500		30 x 12 (4 separate bins for 3 grades): consider near sand, salt and mix bulk areas
Enclosed- Heated			
Work Bench - Truck Bay X 15'	500		extensive fitting inventory 4"-24" in diff materials
Storage	600		
Sewer- Enclosed Subtotal	1,100		
Outdoor			
Piping	500		
Sewer piping	400		
Brick and Block	300		
Fire / Police			
Enclosed- Not Heated			
Seasonal Storage	1,500		
Fire / Police Enclosed Subtotal	1,500		
Solid Waste Management (SWM)			

DRAFT Barre City DPW Program

NAME	NEEDS	WANTS	FUNCTION/ CAPACITY/ COMMENTS
Paint Machine/ Storage	150		
Tire Chains	100		40x 2 ft x 8 ft high with lift assist (distributed along parking)
Misc Tools	200		adjacent to truck parking and water sewer shops
Secured Tools	200		near maintenance bays
Engine Parts	100		near maintenance bays
Cold Patch	120		12x10x3 ft high: not a flammable material
Drum Storage	300		lubricants and antifreeze, Diesel exhaust fluid : 10 x 10
Enclosed- Not Heated			
Temporary Signage	150		near staging area or truck parking
Direct Signs and posts	200		
Emergency Sand Bag storage	200		
Stencils	80		near paint machines
Streets- Enclosed Subtotal	4,150		
Under Cover- No Sides			
Barricade Storage	750		
Tire Storage - TBD	1,500		
Calcium Chloride	250		
Attachment Storage	400		

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Barre City DPW Program

NAME	NEEDS	WANTS	FUNCTION/ CAPACITY/ COMMENTS
Common Spaces			
Enclosed- Heated			
Admin Office	360	240	5 offices (including quiet room): 3 formal room reqd others optional: greeting room, supervisory room, 10 big lockers, showers/ changing and toilet
Locker Room - Men's	750		5 big lockers, showers/ changing and toilet
Locker Room - Women's	250		Cubicles for 3 unisex full height
sleeping quarters	300		12 sets of gear in a "hallway" adjacent to garage parking
PPE Drying / Storage	75		30 capacity, with kitchenette
Lunch / Break / Conference	900		Office supplies
Storage	100		
Toilets	150		
Maintenance Bays- Large	1,100		One large truck bays shall have a "heavy truck lift". Standard maintenance will need a 15,000 lb lift. (2) large truck service bays. waste oil adjacent for all maintenance bays
Maintenance Bays- Large	1,100		(1) bay must be adjacent to metal working shop. Provide welding exhaust on common wall.
Maintenance Bays- standard equip	675		
Wash Bays- Large	1,100		Accommodate largest bucket truck: Separate from primary bldg
Wash Bays- Large	675		Accommodate largest bucket truck: Separate from primary bldg
Map Room	200		flat files and reference/ work table (water and sewer), product manuals, digital touch screen for referencing, Full digital support including large printer etc
Training room	1,500		For project review and DPW/ PD Training for 30. With exterior entry and outside recess area (lighting)
Conference Room for 15	350		project review with water and sewer combined
Enclosed- Not Heated			
Hay Bale Storage	600		
Recycling / Trash Bin Storage	50		
Common Spaces- Enclosed Subtotal	10,985	590	
Under Cover- No Sides			
Waste Oil	200		500 gallon. Adjacent to service bay and Drum storage
Outdoor			
Fueling Station			Outside the complex but abutting. Drive through, fenced and gated separately. Two pumps
Streets			
Enclosed- Heated			
Storage - General	1,000		tires, power tools, specialized fittings, spare parts, etc
Hose Repair	100		near maintenance and inside parking
Workshop - Carpentry	625		limited adjacency for barricade storage
Workshop - Metalwork	625		shall be adjacent to one of the large maintenance bays

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SPACES PROGRAM REQUIREMENTS

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Barre City DPW Campus Upgrade Site Selection Matrix 5/11/2022

Criteria	Weight (1-5)	Scoring Description	Site Score (0-5)	Weighted Score	Notes
Utilities					
Electrical	3	1: No three phase power available or significant extension required 2: No three phase power available at site			
Communications	2	1: Fiber optic connection available at site 2: On-site DSL or other low speed connection available at site			
Water Supply	4	1: Municipal water supply with adequate flow and pressure for sprinkler system available at site 2: On-site water supply or significant extension required			
sewage disposal	2	1: On-site sewer with adequate capacity available at site 2: On-site sewage disposal or significant extension required			
Environmental or Permit Restrictions					
Surface Water	3	1: No surface water on site 2: Surface water significantly impacts developable area			
Wetlands	3	1: No mapped wetlands on site 2: Wetlands water significantly impacts developable area			
Flood Plain	3	1: No FEMA mapped flood plain on site 2: Flood plain significantly impacts developable area			
River Corridor	3	1: No VT DEC mapped river corridor on site 2: River corridor significantly impacts developable area			
Hazardous Waste	4	1: No REC in Phase 1 ESA 2: Phase 1 ESA identified REC requiring further investigation or remediation			
Municipal Plan	2	1: Site is compatible with Municipal Plan land use provisions 2: Site is incompatible with Municipal Plan land use provisions			
Zoning	2	1: Site meets relevant zoning district requirements 2: Site is non-conforming or will have significant challenges meeting a general requirement			
Total Site Score					

Note: A score of 0 in any criteria indicates that the site is unavailable for the DPW Campus Development

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Barre City DPW Campus Upgrade Site Selection Matrix 5/11/2022

Criteria	Weight (1-5)	Scoring Description	Site Score (0-5)	Weighted Score	Notes
DPW Campus Program Requirements					
Lot size	4	1: 5-6 acre lot 2: Less than 5 acre lot		0	
Turning Movements	3	1: Ample space for turning movements of all DPW vehicles 2: Vehicles beyond pickup trucks will track off of drives		0	
Storage Area	3	1: Ample space for storage of vehicles and equipment 2: Minimal storage area will prevent future growth		0	
Conceptual Layout	5	1: Conceptual site layout/program easily accommodated within developable area of site 2: Significant program elements cannot be accommodated within developable area of site.		0	
Temporary Facilities / Transition	3	1: Able to maintain operations through construction, low cost temporary facilities 2: Requires significant investment in temporary facilities and relocation.		0	
Site Physical Features					
Site Topography	3	1: Grades in developed area are 3.5% 2: Grades in developed area are >5.0%		0	
Clearing / Demolition	2	1: Developed area is clear of trees, no building/site demolition is required 2: Heavy tree clearing or significant building/site demolition is required		0	
ledge	3	1: No indication of ledge near surface 2: Significant ledge visible at surface		0	
Soil Type	3	1: Sand or gravel soils 2: Clay soils		0	
Stormwater Treatment	3	1: Sufficient downhill space for required treatment 2: Downhill area is restricted by physical or environmental features		0	
Site Context	2	1: Site is in industrial area or has significant buffer 2: Site is in residential area and expected to have adverse impacts		0	
Access	5	1: Public Rd access with adequate sight distances and low traffic 2: Private road, dangerous site distances, or traffic conflicts		0	

Note: A score of 0 in any criteria indicates that the site is unavailable for the DPW Campus Development

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VEHICLE AND EQUIPMENT REQUIREMENTS

CITY OF BARRE D.P.W
CITY OF BARRE, VT

05-11-2022

SITE SELECTION ANALYSIS MATRIX

