Barre City DPW Program

FUNCTION/ CAPACITY/ COMMENTS

nd mix bulk areas

0 x 12 (4 separate bins for 3 grades): consider near sand, salt

nsive fitting inventory 4"-24"in diff materials

NAME	NEEDS	WANTS
Ductile Iron Piping	750	
Stone Aggregate & hot mix	1,500	
Sewer		
Enclosed- Heated		
Work Bench - Truck Bay X 15'	500	
Storage	600	
Sewer- Enclosed Subtotal	1,100	
Outdoor		
Piping	500	
Sewer piping	400	
Brick and Block	300	
Fire / Police		
Enclosed- Not Heated		DRAFT
Seasonal Storage	1,500	
Fire / Police Enclosed Subtotal	1,500	NAME
Solid Waste Management (SWM)		Paint I
		Tire Ch
Enclosed- Not Heated		
SWM- Enclosed Subtotal	0	Misc T
Under Cover- No Sides		Secure
Car Port Cover	1,000	Engine
Loading Dock	800	Cold P
Warehouse Loading Dock	400	Drum
Outdoor		Enclos
Trash Dumpster	75	Tempo
Recycling Dumpster	75	Street
Metal dumpster	450	Emerg
Roll Off	700	Stenci
EM Spill Holding Tank	200	Street
Propane Tank	200	Under
Parking: Car		Barrica
Parking: Truck		Tire St
Que: Car	800	
		Calciur
ENCLOSED SPACE PROGRAM NET	19,435	Attach
SIZE: Subtotal *		

* Gross program and building area are larger than the net program

Note: Emergency generator for all

circuits including mechanical system

5/11/2022

DRAFT		Barre	City DPW		
		Pro	ogram		
NAME	NEEDS	WANTS	FUNCTION/ CAPACITY/ COMME	NTS	
Paint Machine/ Storage	150				
Tire Chains	100		40x 2 ft x 8 ft high with lift assist	t (distributed al	ong parkin
Misc Tools	200		adjacent to truck parking and wa	ater sewer shop	5
Secured Tools	200		maintenance bays		
Engine Parts	100		near maintenance bays		
Cold Patch	120		12x10x3 ft high: not a flamable r	naterial	
Drum Storage	300		lubricants and antifreeze, Diesel	exhaust fluid :	10 x 10
Enclosed- Not Heated					
Temporary Signage	150		near staging ara or truck parking		
Street Signs and posts	200				
Emergency Sand Bag storage	200				
Stencils	80		near paint machines		
Streets- Enclosed Subtotal	4,150				
Under Cover- No Sides			1		
Barricade Storage	750		-		
Tire Storage - TBD	1,500				
ine storege i so	2,200		RAFT		Ba
Calcium Chloride	250				
Attachment Storage	400		AME	NEEDS	WANTS
Actaciment Storage	400	l Ľ		NEEDS	WANTS
Sand Storage	6,000	C	Common Spaces		
Salt Storage	3,000		nclosed- Heated		
Sand / Salt Mix	2,000				
Rebar / Streel Guardrail	300		Admin Office	360	
Outdoor					
16 Bucket Attachments	400		ocker Room - Men's	750	
Plow Storage	160		ocker Room - Women's	250	
		S	leeping quarters	300	
Sand Screen	150		PPE Drying / Storage	75	
			unch / Break / Conference	900	
Tire Collection / Waste	5,000		torage	100	
Dumpster	1,000		oilets	150	
Citizen Sand Pile outside gate	200		Maintenance Bays- Large	1,100	1
Water	200				
Enclosed- Heated					
Work Area	0	┟───┝			
Enclosed- Not Heated	0	N	Aaintenance Bays- Large	1,100	1
Storage	1,700	┝── ┝			
Water- Enclosed Subtotal	1,700		Maintenance Bays- Large	1,100	
	1,700	N	Aaintenance Bays- standard equip	675	
Under Cover- No Sides		┝── ┝			<u> </u>
PVC Piping	300	— I'	Wash Bays- Large	1,100	
Trench Boxes	1,100				L
Outdoor		v	Vash Bays- Large	675	1
Precast Manhole	1,000		room bollo conBe		

5/11/2022

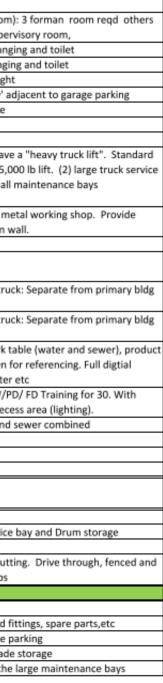
iubricants and antineeze, biesei	exhaust huid .	10 × 10	1
near staging ara or truck parking	[
]
near paint machines			
			4
DRAFT		Barre Cit	-
		Prog	ram
NAME	NEEDS	WANTS	FUNCTION/ CAPACITY/ COMM
Common Spaces			
Enclosed- Heated			
Admin Office	360	240	5 offices (including quiet room
			optional: greeting room, super
Locker Room - Men's	750		20 big lockers, showers/ chang
Locker Room - Women's	250		5 big lockers, showers/ changi
sleeping quarters	300		Cubicles for 3 unisex full heigh
PPE Drying / Storage	75		12 sets of gear in a "hallway' a
Lunch / Break / Conference	900		30 capacity, with kitchenette
Storage	100		Office supplies
Toilets	150		
Maintenance Bays- Large	1,100		One large truck bays shall have
			manintenance will need a 15,0
			bays. waste oil adjacent for all
Maintenance Bays- Large	1,100		(1) bay must be adjacent to m
			welding exhaust on common v
Maintenance Bays- Large	1,100		
Maintenance Bays- standard equip	675		
Wash Bays- Large	1,100		Accomidate largest bucket tru
Wash Bays- Large	675		Accomidate largest bucket tru
Map Room	200		flat files and reference/ work t
			manuals, digital touch screen f
			support including large printer
Training room	1,500		For project review and DPW/P
			exterior entry and outside rec
Conference Roof for 15		350	project review with water and
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
Outdoor			
Fueling Station			Outside the complex but abutt gated separately. Two pumps
Streets			Beers acknessed and hampa
Enclosed- Heated			
Storage - General	1,000		tires, power tools, specialized f
Hose Repair	100		near maintenance and inside p
Workshop - Carpentry	625		limited adjacency for barricad
Workshop - Metalwork	625		Shall be adjacent to one of the

5/11/2022

SPACES PROGRAM REQUIREMENTS

05-11-2022

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



A score of 0 in any criteria indicates that the site is unsuitable for the DPW Campus Developme

2 of 2

iteria	(1-5)	Scoring Description	Scor (0-5
ilities			
ectrical	3	5: 3-phase power exists at site 1: No three-phase power available or significant extension required	
mmunications	2	5: Fiber optic connection available at site 1: Only DSL or other low-speed connection available at site	
ater Supply	4	 Municipal water supply with adequate flow and pressure for sprinkler system available at site On-site water supply or significant extension required 	
wage Disposal	2	 Municipal sewer with adequate capacity available at site On-site sewage disposal or significant extension required 	
vironmental or Permit Re	estriction	s	
rface Water	3	5: No surface water on site 1: Surface water significantly impacts developable area	
etlands	3	5: No mapped wetlands on site 1: Wetlands water significantly impacts developable area	
ood Plain	3	5: No FEMA mapped flood plain on site 1: Flood plain significantly impacts developable area	
ver Corridor	3	5: No VT DEC mapped river corridor on site 1: River corridor significantly impacts developable area	
azardous Waste	4	5: No REC in Phase 1 ESA 1: Phase I ESA identified REC requiring further investigation or remediation	
unicipal Plan	2	5: Site is compatible with Municipal Plan land use provisions 1: Site is incompatible with Municipal Plan land use provisions	
ning	2	 Site meets relevant zoning district requirements Site is non-conforming or will have significant challenges meeting a general requirement 	
		Total Site Score	

5/11/2022

ite Selection Matrix /11/2022				
Criteria	Weight (1-5)	Scoring Description	Site Score (0-5)	v
Utilities				
lectrical	3	5: 3-phase power exists at site 1: No three-phase power available or significant extension required		
Communications	2	5: Fiber optic connection available at site 1: Only DSL or other low-speed connection available at site		
Vater Supply	4	 Municipal water supply with adequate flow and pressure for sprinkler system available at site On-site water supply or significant extension required 		
iewage Disposal	2	5: Municipal sewer with adequate capacity available at site 1: On-site sewage disposal or significant extension required		
invironmental or Permit R	estriction	5		
iurface Water	3	5: No surface water on site 1: Surface water significantly impacts developable area		
Wetlands	3	5: No mapped wetlands on site 1: Wetlands water significantly impacts developable area		
lood Plain	3	5: No FEMA mapped flood plain on site 1: Flood plain significantly impacts developable area		
liver Corridor	3	5: No VT DEC mapped river corridor on site 1: River corridor significantly impacts developable area		
lazardous Waste	4	5: No REC in Phase 1 ESA 1: Phase I ESA identified REC requiring further investigation or remediation		
Municipal Plan	2	5: Site is compatible with Municipal Plan land use provisions 1: Site is incompatible with Muncipal Plan land use provisions		
Coning	2	5: Site meets relevant zoning district requirements 1: Site is non-conforming or will have significant challenges meeting		

Barre City DPW Campus Upgrade

WAT006.3 WATER WAT007.1 WATER WAT007.2 WATER WAT008 WATER WAT009 WATER WAT012 WATER WAT013.1 WATER WAT013.2 WATER WAT013.3 WATER WAT014 WATER WAT015 WATER WAT016 WATER WAT018 WATER WAT019 WATER WAT019 WATER WAT019 WATER WAT020 WATER DPW001 DPW DPW003 DPW DPW004 DPW DPW005 DPW DPW006 DPW DPW008 DPW DPW009 DPW DPW011 DPW DPW012 DPW DPW013 DPW DPW014 DPW DPW015 DPW DPW016 DPW DPW016 DPW	 WAT006.2	WATER		
WAT007.2 WATER WAT008 WATER WAT009 WATER WAT012 WATER WAT013.1 WATER WAT013.2 WATER WAT013.3 WATER WAT016 WATER WAT016 WATER WAT017 WATER WAT018 WATER WAT019 WATER WAT020 WATER DPW001 DPW DPW002 DPW DPW003 DPW DPW004 DPW DPW005 DPW DPW006 DPW DPW007 DPW DPW008 DPW DPW010 DPW DPW011 DPW DPW013 DPW DPW014 DPW DPW015 DPW DPW016 DPW	 WAT006.3	WATER		
WAT008 WATER Image: constraint of the system WAT019 WATER Image: constraint of the system WAT012 WATER Image: constraint of the system WAT013.1 WATER Image: constraint of the system WAT013.2 WATER Image: constraint of the system WAT013.3 WATER Image: constraint of the system WAT014 WATER Image: constraint of the system WAT015 WATER Image: constraint of the system WAT016 WATER Image: constraint of the system WAT018 WATER Image: constraint of the system WAT020 WATER Image: constraint of the system WAT020 WATER Image: constraint of the system DPW001 DPW Image: constraint of the system DPW002 DPW Image: constraint of the system DPW003 DPW 21 DPW006 DPW 25 DPW008 DPW 23 DPW010 DPW 23 DPW011 DPW 16	 WAT007.1	WATER		
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WAT012 WATER WAT013.1 WATER WAT013.2 WATER WAT013.3 WATER WAT014 WATER WAT015 WATER WAT016 WATER WAT018 WATER WAT019 WATER WAT0100 WATER WAT0117 WATER WAT018 WATER WAT020 WATER DPW001 DPW DPW002 DPW DPW003 DPW DPW004 DPW DPW005 DPW DPW006 DPW DPW007 DPW DPW008 DPW DPW010 DPW DPW011 DPW	 WAT008	WATER		
WAT013.1 WATER WAT013.2 WATER WAT013.3 WATER WAT014 WATER WAT015 WATER WAT016 WATER WAT017 WATER WAT018 WATER WAT019 WATER WAT020 WATER WAT020 WATER DPW001 DPW DPW002 DPW DPW003 DPW DPW004 DPW DPW005 DPW DPW006 DPW DPW007 DPW DPW008 DPW DPW010 DPW DPW011 DPW DPW012 DPW DPW013 DPW DPW014 DPW DPW015 DPW DPW016 DPW	 WAT009	WATER		
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WAT020 WATER DPW001 DPW DPW002 DPW DPW003 DPW DPW004 DPW DPW005 DPW DPW006 DPW DPW007 DPW DPW008 DPW DPW009 DPW DPW010 DPW DPW011 DPW DPW012 DPW DPW013 DPW DPW015 DPW DPW016 DPW	 WAT018	WATER		
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DPW007 DPW 29 DPW008 DPW 38 DPW009 DPW 4 DPW010 DPW 23 DPW011 DPW 16 DPW012 DPW 40 DPW013 DPW 6 DPW015 DPW 31	DPW005	DPW	24	IN
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DPW011 DPW 16 DPW012 DPW 0 DPW013 DPW 40 DPW014 DPW 6 DPW015 DPW 31 DPW016 DPW 6	DPW009	DPW	4	
DPW012 DPW DPW013 DPW 40 DPW014 DPW 6 DPW015 DPW 31 DPW016 DPW 6	DPW010	DPW	23	
DPW013 DPW 40 DPW014 DPW 6 DPW015 DPW 31 DPW016 DPW 21	DPW011	DPW	16	
DPW014 DPW 6 DPW015 DPW 31 DPW016 DPW	DPW012	DPW		
DPW015 DPW 31 DPW016 DPW	DPW013	DPW	40	
DPW016 DPW	DPW014	DPW	6	
DPW016 DPW	DPW015	DPW	31	
DPW017 DPW		DPW		
	DPW017	DPW		

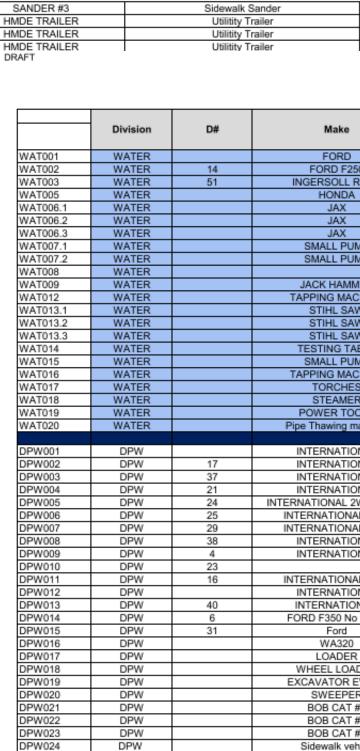
PW024

5/11/2022

DPW DPW

DPW DPW

SANDER #3 HMDE TRAILER HMDE TRAILER



DRAFT

DPW DPW DPW DPW

DPW DPW DPW DPW DPW DPW

DPW DPW DPW DPW DPW DPW DPW DPW

DPW DPW

DPW DPW DPW DPW DPW

DPW DPW

DPW

City of Barre Stock List

	х				7'6"	3'6"	3	
2000		х			20	8'6"	6	
2005	х				12	6		
2019			х		16	8	4	
	City of Barre Stock List							

			Ideal Cover				Dimensions (ft)		
	Description		Enclosed- Heated	Enclosed- Not Heated	Outdoor	Under Cover- No Sides	Length	Width	Height
	TRUCK PREV. AMBULANCE	2009	x				21	8	8
50	PICKUP TRUCK	2016	X*	x			19	7	7
RAND	AIR COMPRESSOR	1986	X*	x			13	7	6
	TAMP			x			2	1'6"	2
	TRENCH BOX					x	8	16	6
	TRENCH BOX					x	8	16	6
	TRENCH BOX					x	8	16	6
MP	SMALL PUMP		x				3'6"	3	2
MP	SMALL PUMP		X				3'6"	3	2
	PUMP	1968	x				9	6	4'5"
MER	LARGE JACK HAMMER			x					
CHINE	TAPPING MACHINE (2)	1992	x				2	1	1
W	SAW		X				4	4	3
w	SAW		X				4	4	3
w	SAW		x				4	4	3
ABLE	METER TESTING TABLE		x					7	8
MP	SMALL PUMP		X				3'6"	3	2
CHINE	TAPPING MACHINE		x				2	1	1
	TORCHES		X				1'6"	1'6"	3
S R	STEAMER		x				1'6"	1'6"	3
OLS	POWER TOOLS		x				10	6	8
nachine	WELDER STYLE		~	x			2	2	2
denne	WEEDERGTTEE			^			-	-	-
NAL	Bucket Truck (white)	2001		x			29'	9'	13'4"
NAL	7yd DP W/Plow & Wing	2010	x				26'	9	8
NAL	7yd DP W/Plow & Wing	2010	x				28	9	10'6"
DNAL	7yd DP W/Plow & Wing	2011	x				30	18	10
WD w/plow	7yd DP W/Plow & Wing	2011	x				30	18	10
AL 4WD	7yd DP W/Plow & Wing	2017	x				30	18	10'6"
AL 4WD	Model 7400 Dump Truck	2017	x				30	18	10'6"
DNAL	International 7400 10 Wheel	2019	x*	x			30	18	10'6"
ONAL	International 7500	2007	x*	x			31	18	10'6"
10.2	6 Wheel Dump	2007	x*	x			28	9	10'6"
AL 4WD	3yd 1 Ton DP W/ Plow 4WD	2010	x	^			32	18	10'6"
NAL	10 Wheel Dump	2010	x				31	18	10'6"
NAL	3 Ton CV505	2012	x*	x			29	18	9'6"
Salter	510104005	2010	^	x			8	22	00
Janoi	F350 w plow	2009	x*	x			22	9	8'-0
	Wheel Loader	2009	x	^			30	18	12
2	John Deere Loader	2008	x				28	9	12'4"
DER	John Deere Loader K524L	2012	x				28	11	12'4"
EW170	Rubber Tire Excavator	2019	x	x*	x		28	9	124
R	Street Sweeper	2000	x*	x	×		20	9	134
	Street Sweeper S450 Skidsteer	2017		X			10'6"	5	7
#1 #2	S310 Skidsteer	2015	x	+			10'6"	5	7
#2			x				13'-4'		7'-6*
#3 hicle	S160 Skidsteer (SIZE AS AVANT) Avant 760	2009	x				13'-4"	5	7'-6"
#4		_	х					5	1
#1 #1 #2	Sprayer Blower #1	1070				x	14	-	-
#1	Blower #1	1973				x	10	8	10
#Z	Blower #2	1978				x	10	8	10
#1	Sidewalk Sander		х				7'6"	3'6"	3
#2	Sidewalk Sander		х				7'6"	3'6"	3
	DV23			х			12	5	6

VEHICLE AND EQUIPMENT <u>REQUIREMENTS</u>

DeWolf

Sidewalk veh SPRAYER # SNO-GO # SNO-GO # SANDER # SANDER # Roller

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

rage Arei

rary Facilities

Topography

ring / Demolitic

DeWolfe

	Evaluation Criteria			
ht)	Scoring Description	Site Score (0-5)	Weighted Score	Notes
ent	š			
	5: 5-6 acre lot 1: Less than 3 acre lot		0	
	5: Ample space for turning movements of all DPW vehicles 1:Vehicles beyond pickup trucks will track off of drives		0	
	5: Ample space for storage of vehicles and equipment 1: Minimal storage area will prevent future growth		0	
	 Conceptual site layout/program easily accomodated within developable area of site Significant program elements can not be accomodated within developable area of site. 		0	
	5: Able to maintain operations through construction, low cost temporary facilities 1: Requires significant investment in temporary facilities and relocations		o	
_				
	5: Grades in developed area are 3-5% 1: Grades in developed area are >10%		0	
	5: Developed area is clear of trees, no building/site demolition 1: Heavy tree clearing or significant building site/demolition is required		0	
	5: No indication of ledge near surface 1: Significant ledge visible at surface		0	
	5: Sand or gravel soils 1: Clay soils		0	
	5: Sufficient downhill space for required treatment 1: Downhill area is restricted by physical or environmental features		0	
	 Site is in industrial area or has significant buffers Site is in residential area and expected to have adverse impacts 		0	
	5: Public Rd access with adequate sight distances and low traffic 1: Private road, dangerous site distances, or traffic conflicts		0	

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

1 of 2

SITE SELECTION ANALYSIS MATRIX

