NHDES ALTERATION OF TERRAIN EXCAVATION PERMIT APPLICATION

Chester Gravel Pit

Excavation Plans

Map 5 Lot 85 Fremont Road Chester, New Hampshire 03036

PREPARED FOR:

Old Sandown Road, LLC 352 South Broadway Street Salem, New Hampshire 03053

PREPARED BY:



The Dubay Group, Inc.

136 Harvey Road Bldg B101 Londonderry, NH 03053 P: 603-458-6462 www.TheDubayGroup.com

April 5, 2022 *Revised: May* 27,2022 *Revised: August* 9,2022



Planners 5



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ALTERATION OF TERRAIN PERMIT APPLICATION



Water Division/ Alteration of Terrain Bureau/ Land Resources Management Check the Status of your Application: <u>www.des.nh.gov/onestop</u>

RSA/ Rule: RSA 485-A:17, Env-Wq 1500

				File Num	ber:				
Administrative	Administrative	Administrat	ive	Check No.					
Use Only	Use Only	Use Only		Amount:					
				Initials:					
1. APPLICANT INFORMATION (INTE		·							
		Contract Names, Contra							
Applicant Name: Old Samndown Ro		Contact Name: Core	-						
Email: corey@garabedianprop.com		Daytime Telephone:	603-966-698	1					
Mailing Address: 352 South Broadw	'ay Street				1				
Town/City: Salem			State: NH		Zip Code: 03079				
2. APPLICANT'S AGENT INFORMATI	ON If none, check here:								
Business Name:		Contact Name:							
Email:		Daytime Telephone:							
Address:									
Town/City:			State:		Zip Code:				
3. PROPERTY OWNER INFORMATIO	N (IF DIFFERENT FROM APPLIC	CANT)			•				
Applicant Name: Garabedian Testar	nent Trust	Contact Name: Paul	Garabedian						
Email:		Daytime Telephone:							
Mailing Address: 352 South Broadw	vay Street								
Town/City: Salem			State: NH		Zip Code: 03079				
4. PROPERTY OWNER'S AGENT INFO	DRMATION If none, ch	eck here: 🔀							
Business Name:		Contact Name:							
Email:		Daytime Telephone:							
Address:		·							
Town/City:			State:		Zip Code:				
5. CONSULTANT INFORMATION	If none, check here:								
Engineering Firm: The Dubay Group), Inc.	Contact Name: Dou	g MacGuire, I	PE					
Email: doug@thedubaygroup.com		Daytime Telephone:	603-458-646	2					
Address: 136 Harvey Road, Bldg. B1	.01					_			
Town/City: Londonderry			State: NH		Zip Code: 03053				

NHDES Alteration of Terrain Bureau, PO Box 95, Concord, NH 03303-0095

NHDES-W-01-003				
6. PROJECT TYPE				
Excavation Only 🗌 Residential	Commercial	Golf Course	School	Municipal
Agricultural Land Conver	rsion 🗌 Oth	er:		
7. PROJECT LOCATION INFORMATION				
Project Name: Chester Gravel Pit				
Street/Road Address: Freemont Road				
Town/City: Chester		County: Rockingham		
Tax Map: 5 Block		Lot Number: 85	5	Unit:
Location Coordinates: 42.96354N, 71.22951V	V 🛛 🛛 Latitude	e/Longitude		State Plane
Post-development, will the proposed project w	ithdraw from or directly o	discharge to any of the	following? If yes,	identify the purpose.
1. Stream or Wetland		🛛 Yes	Withdrawal	🔀 Discharge
Purpose: Match Natural Flow Paths		🗌 No		
2. Man-made pond created by impounding a	stream or wetland	Yes	Withdrawal	Discharge
Purpose:		No		
3. Unlined pond dug into the water table		Yes	Withdrawal	Discharge
Purpose:		No		
 A surface water impaired for phosphorus and cause net increase in phosphorus and/or A Class A surface water or Outstanding Resour cause net increase in phosphorus and/or A lake or pond not covered previously? N in phosphorus in the lake or pond 	nitrogen rce Water? 🔀 No nitrogen	Yes - include info	ormation to demo	ate that project will not nstrate that project will not ct will not cause net increase
	No			
Is the project within a Water Supply Intake Prot Is the project within a Groundwater Protection Will the well setbacks identified in Env-Wq Note: Guidance document titled " <u>Using NHDES</u> restrictions in these areas, read Chapter 3.1 in V	ection Area (WSIPA)? Area (GPA)? 1508.02 be met? <i>'s OneStop WebGIS to Loc</i>	Yes [Yes [Cate Protection Areas"	⊠ No ⊠ No] No is available online.	For more details on the
Is any part of the property within the 100-year	floodplain?	s 🛛 No		
If yes: Cut volume: cubic feet wi Fill volume: cubic feet wi	thin the 100-year floodpl thin the 100-year floodpl			
Project IS within ¼ mile of a designated r	iver Name of Rive			
Project IS within a Coastal/Great Bay Reg Project is NOT within a Coastal/Great Bay	-	e info required by En	v-Wq 1503.08(l) i	f applicable
8. BRIEF PROJECT DESCRIPTION (PLEASE DO	NOT REPLY "SEE ATTAC	CHED")		
Renewing a grandfathers gravel pit for the purp	oose is to remove materia	I and reclaim area.		
9. IF APPLICABLE, DESCRIBE ANY WORK STA	RTED PRIOR TO RECEIV	ING PERMIT		
Trees have been cleared and a 5-acre piece has equiptment has been removed from site and w	-	-	ve SWPPP has beer	i inplace since starting. All

ridge.mauck@des.nh.gov</u> or (603) 271-2147 NHDES Alteration of Terrain Bureau, PO Box 95, Concord, NH 03303-0095 <u>www.des.nh.gov</u> Alteration of Terrain Permit Application Form – 2017 – revised 12/2019

NHDES-W-01-003

10. ADDITIONAL REQUIRED INFORMATION														
A. Date a copy of the application was sent to the (Attach proof of delivery)	municipality as required by Env	/-Wq 1503.05	(e) ¹ : <u>4/6/2022.</u>											
B. Date a copy of the application was sent to the	local river advisory committee	if required by	[.] Env-Wq 1503.05(e) ² : <u>//</u> .											
(Attach proof of delivery)														
C. Type of plan required: Land Conversion] Detailed Development 🔀 E	cavation, Gra	iding & Reclamation 🗌 Steep Slope											
D. Additional plans required: 🗌 Stormwater Dra	iinage & Hydrologic Soil Group	5 🗌 Source (Control 🔲 Chloride Management											
E. Total area of disturbance: <u>805,860</u> square fee	E. Total area of disturbance: <u>805,860</u> square feet													
F. Additional impervious cover as a result of the project: <u>0</u> square feet (use the "-" symbol to indicate a net reduction in impervious coverage). Total final impervious cover: 0 square feet														
Total final impervious cover: <u>0</u> square feet														
G. Total undisturbed cover: square feet														
H. Number of lots proposed: <u>0</u>														
I. Total length of roadway: <u>0</u> linear feet														
J. Name(s) of receiving water(s): <u>Wetland</u>														
K. Identify all other NHDES permits required for t the required approval has been issued provide														
Turo of Annual	Application Filed?		Status											
Type of Approval	Application Filed?	Pending	If Issued:											
1. Water Supply Approval	Yes No N/A		Permit number:											
2. Wetlands Permit	Yes No N/A		Permit number:											
3. Shoreland Permit	Yes No N/A		Permit number:											
4. UIC Registration	☐ Yes ☐ No		Registration date:											
5. Large/Small Community Well Approval	☐ Yes ☐ No		Approval letter date:											
6. Large Groundwater Withdrawal Permit	Yes No N/A		Permit number:											
7. Other:	Yes No		Permit number:											
L. List all species identified by the Natural Herita	ge Bureau as threatened or end	langered or o	f concern: <u>None</u>											
M. Using NHDES's Web GIS OneStop program (<u>wv</u> the impairments identified for each receiving v <u>N/A</u>														
the impairments identified for each receiving v	water. If no pollutants are liste	d, enter "N/A												
the impairments identified for each receiving v N/A N. Did the applicant/applicant's agent have a pre If yes, name of staff member:	water. If no pollutants are liste -application meeting with AOT Yes No If yes, es aced on the plans, available at:	d, enter "N/A staff? timated quan	." Yes No tity of blast rock: <u>790,000</u> cubic yards											
 the impairments identified for each receiving v N/A N. Did the applicant/applicant's agent have a pre- If yes, name of staff member: O. Will blasting of bedrock be required? If yes, standard blasting BMP notes must be placed 	water. If no pollutants are liste -application meeting with AOT Yes No If yes, es aced on the plans, available at: /pip/publications/wd/documer t rock will be generated, a grou	d, enter "N/A staff? timated quan	." Yes No tity of blast rock: <u>790,000</u> cubic yards <u>pdf</u>											

ridge.mauck@des.nh.gov or (603) 271-2147 NHDES Alteration of Terrain Bureau, PO Box 95, Concord, NH 03303-0095

www.des.nh.gov

¹ Env-Wq 1503.05(c)(6), requires proof that a completed application form, checklist, plans and specifications, and all other supporting materials have been sent or delivered to the governing body of each municipality in which the project is proposed.

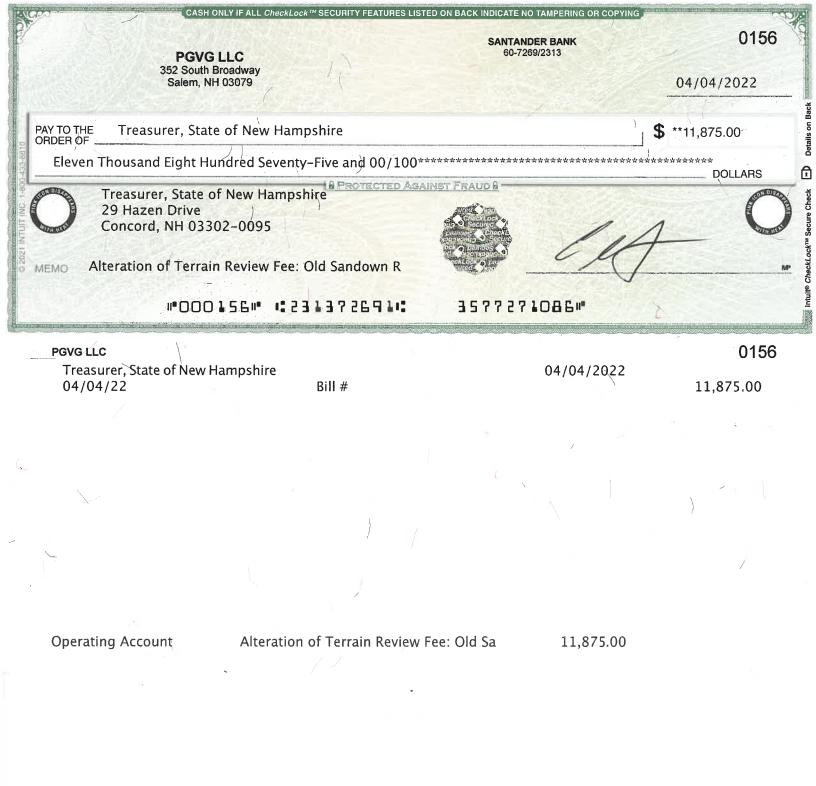
² Env-Wq 1503.05(c)(6), requires proof that a completed application form, checklist, plans and specifications, and all other supporting materials have been sent or delivered to the Local River Advisory Committee, if the project is within ¼ mile of a designated river.

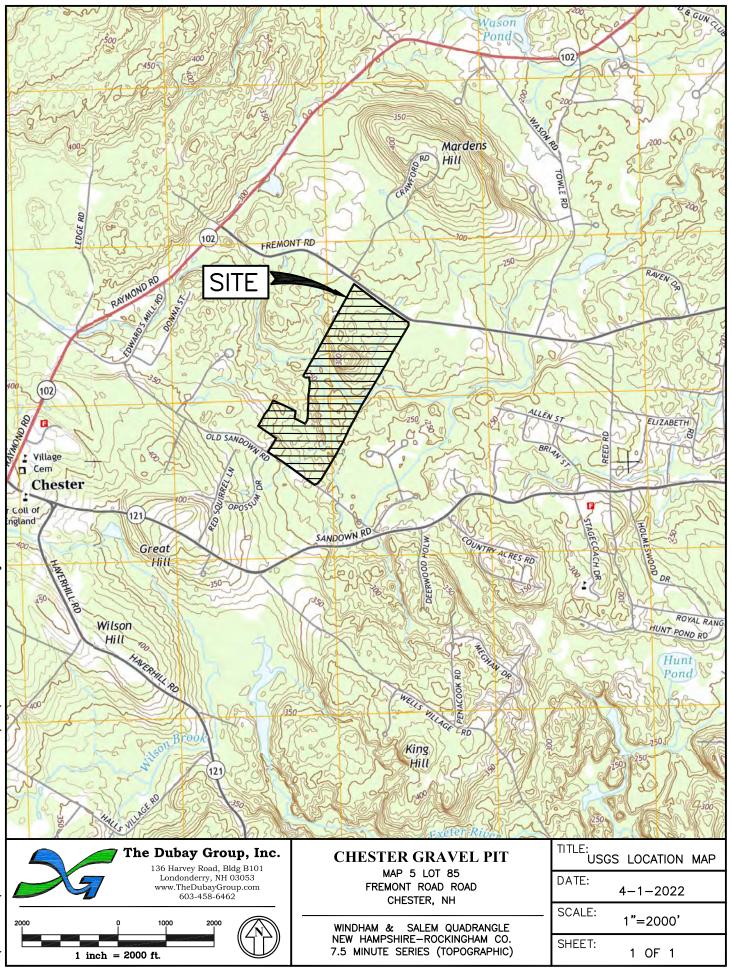
11. CHECK ALL APPLICATION ATTACHMENTS THAT APPLY (SUBMIT WITH APPLICATION IN ORDER LISTED)
 LOOSE: Signed application form: des.nh.gov/organization/divisions/water/aot/index.htm (with attached proof(s) of delivery) Signed application fee: des.nh.gov/organization/divisions/water/aot/fees.htm Color copy of a USGS map with the property boundaries outlined (1" = 2,000' scale) If Applicant is not the property owner, proof that the applicant will have a legal right to undertake the project on the property if a permit is issued to the applicant.
BIND IN A REPORT IN THE FOLLOWING ORDER:
 PLANS: One set of design plans on 34 - 36" by 22 - 24" white paper (see Application Checklist for details) Pre & post-development color coded soil plans on 11" x 17" (see Application Checklist for details) Pre & post-development drainage area plans on 34 - 36" by 22 - 24" white paper (see Application Checklist for details)
100-YEAR FLOODPLAIN REPORT: All information required in Env-Wq 1503.09, submitted as a separate report.
ADDITIONAL INFORMATION RE: NUTRIENTS, CLIMATE

REVIEW APPLICATION FOR COMPLETENESS & CONFIRM INFORMATION LISTED ON THE APPLICATION IS INCLUDED WITH SUBMITTAL.

NHDES-W-01-003

12. REC	QUIRED SIGNATURES	
DGM	By initialing here, I acknowledge that I am re in PDF format on a CD within one week afte	equired by Env-Wq 1503.20(e) to submit a copy of all approved documents to the department er permit approval.
By sign	ing below, I certify that:	
kn	owledge and belief;	mitted with this application is true, complete, and not misleading to the best of my
ap es	pplication, revoke any permit that is granted tablished by RSA 310-A:3 if I am a profession	mplete, or misleading information constitutes grounds for the department to deny the based on the information, and/or refer the matter to the board of professional engineers al engineer; and specified in New Hampshire law for falsification in official matters, currently RSA 641.
	PLICANI Old Sandown Rd LLC	APPLICANT'S AGENT:
Signatu	ure: CA	Date:
	(print or type): _Corey Garabedian	_{Title} :Manager
	OPERTY OWNER	PROPERTY OWNER'S AGENT:
Signati	ure and Austerion	Date:
	(print or type): Paul Garabedian	Title:







The Dubay Group, Inc. 136 Harvey Road Bldg B101 Londonderry, NH 03053 603-458-6462 thedubaygroup.com

MEMORANDUM

To:	Alteration of Terrain Bureau	Date:	April 8, 2022
From:	Doug MacGuire, PE	Re:	Chester Gravel Pit Local Submission

This memorandum is intended to certify that the Town of Chester Planning Board has received a full copy of the plans and NHDES Alteration of Terrain Permit Application submitted on April 8, 2022. The plans are currently under review with the town and Planning Board.

If you have any further questions please don't hesitate to call me at 603-458-6462.





ATTACHMENT A:

ALTERATION OF TERRAIN PERMIT APPLICATION CHECKLIST

Check the box to indicate the item has been provided or provide an explanation why the item does not apply.

DESIGN PLANS
🔀 Plans printed on 34 - 36" by 22 - 24" white paper
🔀 PE stamp
🔀 Wetland delineation
Imporary erosion control measures
Treatment for all stormwater runoff from impervious surfaces such as roadways (including gravel roadways), parking areas, and non-residential roof runoff. Guidance on treatment BMPs can be found in Volume 2, Chapter 4 of the NH Stormwater Management Manual.
Pre-existing 2-foot contours
Proposed 2-foot contours
Drainage easements protecting the drainage/treatment structures
Compliance with the Wetlands Bureau, RSA 482- A http://des.nh.gov/organization/divisions/water/wetlands/index.htm . Note that artificial detention in wetlands is not allowed.
Compliance with the Comprehensive Shoreland Protection Act, RSA 483-B. <u>http://des.nh.gov/organization/divisions/water/wetlands/cspa</u>
 Benches. Benching is needed if you have more than 20 feet change in elevation on a 2:1 slope, 30 feet change in elevation on a 3:1 slope, 40 feet change in elevation on a 4:1 slope.
Check to see if any proposed ponds need state Dam permits. <u>http://des.nh.gov/organization/divisions/water/dam/documents/damdef.pdf</u>
DETAILS
Typical roadway x-section
🔀 Detention basin with inverts noted on the outlet structure
Stone berm level spreader
Outlet protection – riprap aprons
igtimes A general installation detail for an erosion control blanket
Silt fences or mulch berm
Storm drain inlet protection. Note that since hay bales must be embedded 4 inches into the ground, they are not to be used on hard surfaces such as pavement.
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 Storm drain inlet protection. Note that since hay bales must be embedded 4 inches into the ground, they are not to be used on hard surfaces such as pavement. Hay bale barriers Stone check dams Gravel construction exit
 Storm drain inlet protection. Note that since hay bales must be embedded 4 inches into the ground, they are not to be used on hard surfaces such as pavement. Hay bale barriers Stone check dams Gravel construction exit Temporary sediment trap

NHDES-W-01-003

CONSTRUCTION SEQUENCE/EROSION CONTROL

Note that the project is to be managed in a manner that meets the requirements and intent of RSA 430:53 and Chapter Agr 3800 relative to invasive species.

Note that perimeter controls shall be installed prior to earth moving operations.

🔀 Note that temporary water diversion (swales, basins, etc) must be used as necessary until areas are stabilized.

- oxed N Note that ponds and swales shall be installed early on in the construction sequence (before rough grading the site).
- Note that all ditches and swales shall be stabilized prior to directing runoff to them.
- \boxtimes Note that all roadways and parking lots shall be stabilized within 72 hours of achieving finished grade.
- 🛛 Note that all cut and fill slopes shall be seeded/loamed within 72 hours of achieving finished grade
- Note that all erosion controls shall be inspected weekly AND after every half-inch of rainfall.
- Note the limits on the open area allowed, see Env-Wq 1505.02 for detailed information.

Example note: The smallest practical area shall be disturbed during construction, but in no case shall exceed 5 acres at any one time before disturbed areas are stabilized.

Note the definition of the word "stable"

Example note: An area shall be considered stable if one of the following has occurred:

- Base course gravels have been installed in areas to be paved.
- A minimum of 85 percent vegetated growth has been established.
- A minimum of 3 inches of non-erosive material such stone or riprap has been installed.
- Or, erosion control blankets have been properly installed.
- Note the limit of time an area may be exposed Example note: All areas shall be stabilized within 45 days of initial disturbance.
- Provide temporary and permanent seeding specifications. (Reed canary grass is listed in the Green Book; however, this is a problematic species according to the Wetlands Bureau and therefore should not be specified)

Provide winter construction notes that meet or exceed our standards.

Standard Winter Notes:

- All proposed vegetated areas that do not exhibit a minimum of 85 percent vegetative growth by October 15, or which are disturbed after October 15, shall be stabilized by seeding and installing erosion control blankets on slopes greater than 3:1, and seeding and placing 3 to 4 tons of mulch per acre, secured with anchored netting, elsewhere. The installation of erosion control blankets or mulch and netting shall not occur over accumulated snow or on frozen ground and shall be completed in advance of thaw or spring melt events.
- All ditches or swales which do not exhibit a minimum of 85 percent vegetative growth by October 15, or which are disturbed after October 15, shall be stabilized temporarily with stone or erosion control blankets appropriate for the design flow conditions.
- After October 15, incomplete road or parking surfaces, where work has stopped for the winter season, shall be protected with a minimum of 3 inches of crushed gravel per NHDOT item 304.3.

Note at the end of the construction sequence that "Lot disturbance, other than that shown on the approved plans, shall not commence until after the roadway has the base course to design elevation and the associated drainage is complete and stable." – This note is applicable to single/duplex family subdivisions, when lot development is not part of the permit.

DRAINAGE ANALYSES

NHDES-W-01-003

Please double-side 8 $\frac{1}{2}$ × 11" sheets where possible but, **do not** reduce the text such that more than one page fits on one side.

PE stamp

Rainfall amount obtained from the Northeast Regional Climate Center- <u>http://precip.eas.cornell.edu/</u>. Include extreme precipitation table as obtained from the above referenced website.

Drainage analyses, in the following order:

- Pre-development analysis: Drainage diagram.
- Pre-development analysis: Area Listing and Soil Listing.
- Pre-development analysis: Node listing 1-year (if applicable), 2-year, 10-year and 50-year.
- Pre-development analysis: Full summary of the 10-year storm.
- Post-development analysis: Drainage diagram.
- Post-development analysis: Area Listing and Soil Listing.
- Post-development analysis: Node listing for the 2-year, 10-year and 50-year.
- Post-development analysis: Full summary of the 10-year storm.

Review the Area Listing and Soil Listing reports

- Hydrologic soil groups (HSG) match the HSGs on the soil maps provided.
- There is the same or less HSG A soil area after development (check for each HSG).
- There is the same or less "woods" cover in the post-development.
- Undeveloped land was assumed to be in "good" condition.
- The amount of impervious cover in the analyses is correct.

Note: A good check is to subtract the total impervious area used in the pre analysis from the total impervious area used in the post-analysis. For residential projects without demolition occurring, a good check is to take this change in impervious area, subtract out the roadway and divide the remaining by the number of houses/units proposed. Do these numbers make sense?

 \square Check the storage input used to model the ponds.

🛛 Check to see if the artificial berms pass the 50-year storm, i.e., make sure the constructed berms on ponds are not overtopped.

- Check the outlet structure proposed and make sure it matches that modeled.
- \boxtimes Check to see if the total areas in the pre and post analyses are same.

Confirm the correct NRCS storm type was modeled (Coos, Carroll & Grafton counties are Type II, all others Type III).

PRE- AND POST-DEVELOPMENT DRAINAGE AREA PLANS

 \square Plans printed on 34 - 36" by 22 - 24" on white paper.

- \boxtimes Submit these plans separate from the soil plans.
- \square A north arrow.
- 🛛 A scale.
- \square Labeled subcatchments, reaches and ponds.
- Tc lines.
- \boxtimes A clear delineation of the subcatchment boundaries.
- Roadway station numbers.
- Culverts and other conveyance structures.

PRE AND POST-DEVELOPMENT COLOR-CODED SOIL PLANS

If project will discharge stormwater to a lake or pond not covered previously, include information to demonstrate that project will not cause net increase in phosphorus in the lake or pond.

If project is within a Coastal/Great Bay Region community, include info required by Env-Wq 1503.08(I) if applicable.

Stormwater Management Report

II. PROJECT DESCRIPTION

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Executive Summary

The proposed project is expanding a grandfathered excavation operation located off of Fremont Road in Chester, New Hampshire. The existing site is mostly undisturbed except for approximately 40,000 square-feet, which was disturbed under the previous excavation operation. As part of this permit, that area is proposed to be reclaimed.

The applicant intends to disturb approximately 18.5-acres. The project consists of excavating approximately 790,000 cubic yards of material. The plans included, detail the excavation proposed on the site. Stormwater runoff will be directed to a detention pond prior to discharging downstream. A groundwater monitoring program has been included in Section VIII. as required for the proposed blasting associated with the earth excavation.

Proposed Site Conditions

In accordance with the Town of Chester and the State of New Hampshire, the two (2), ten (10), twenty-five (25), fifty (50), and one hundred (100) year storm frequencies have been used in the various aspects of analysis and design of stormwater management for the subject site. The proposed excavation operation will utilize a detention pond to collect runoff and allow sediment to settle prior to discharging downstream.

The pre- and post-development runoff rates based on the design storms are tabulated below. All watersheds show a decrease (or no increase) in runoff during post-development conditions as required per the Town of Chester Regulations.

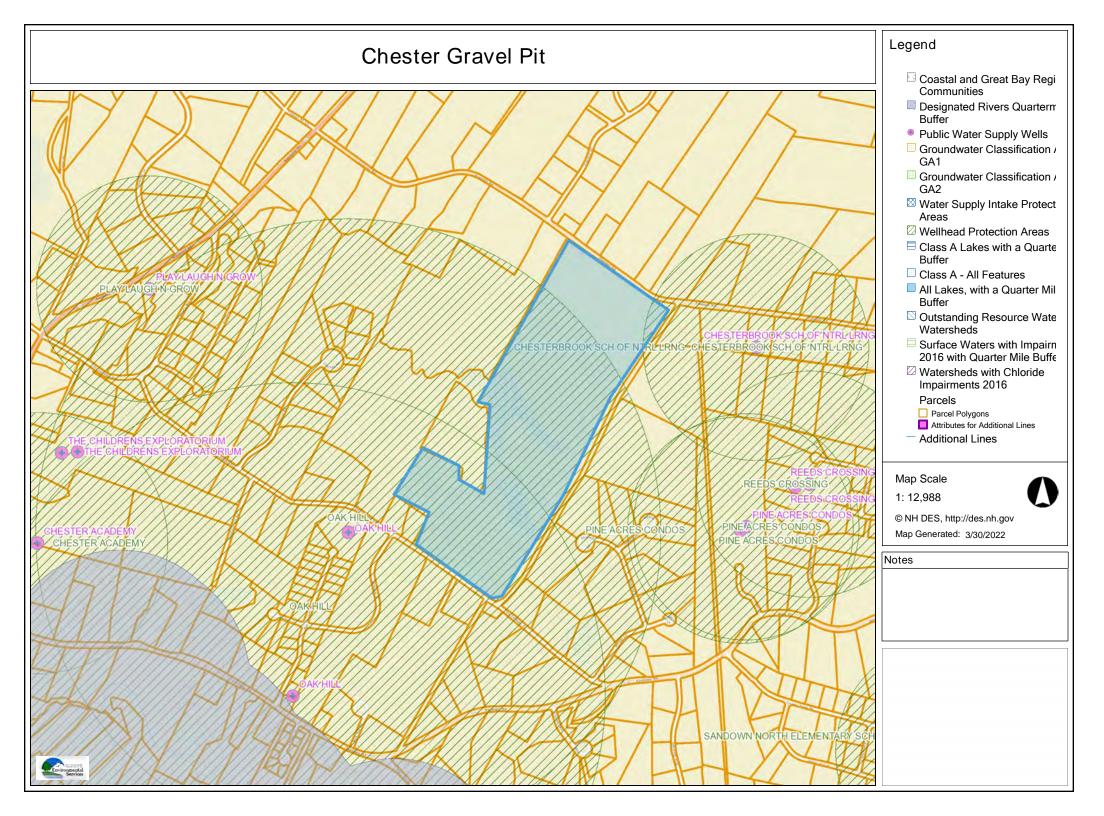
Design Storm	Existing Conditions Peak Flow Runoff Rate	Developed Conditions Peak Flow Runoff Rate	Change		
	DESIGN	POINT #1			
	Node Label - L1	Node Label - L1			
2-Year	0.59	0.38	- 0.11		
10-Year	4.47	1.99	- 2.48		
25-Year	9.32	3.87	- 5.45		
50-Year	14.68	5.97	- 8.71		
100-Year	21.85	12.57	- 9.28		
	DESIGN	POINT #2			
	Node Label - L1	Node Label - L1			
2-Year	0.43	0.00	- 0.43		
10-Year	3.24	0.00	- 3.24		
25-Year	6.82	0.00	- 6.82		
50-Year	10.77	0.00	- 10.77		
100-Year	16.05	0.00	- 16.05		

Table 1 - Pre vs. Post Runoff Analysis

Stormwater Management Report

III. SUPPLEMENTAL SITE REVIEW CRITERIA

- A. Web GIS Printout Surface Water Impairment & AoT Screening Layers
- B. NHB Letter
- C. Northeast Regional Climate Center Extreme Precipitation Tables
- D. Web Soil Survey Map
- E. Aerial Photograph
- F. Site Photographs
- G. Rip-Rap Calculations



To: Jacob Doerfler 136 Harvey Rd Bldg B101 Londonderry, NH 03053

From: NH Natural Heritage Bureau

Date: 7/20/2021 (This letter is valid through 7/20/2022)

Re: Review by NH Natural Heritage Bureau of request dated 7/20/2021

Permit Type: Stormwater Pollution Prevention

NHB ID: NHB21-2386

Applicant: Jacob Doerfler

Location: Chester Tax Map: 5, Tax Lot: 85 Address: Fremont Road

Proj. Description: Material excavation operation disturbing a maximum of 5 acres.

The NH Natural Heritage database has been checked for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government. We currently have no recorded occurrences for sensitive species near this project area.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.



MAP OF PROJECT BOUNDARIES FOR: NHB21-2386

Extreme Precipitation Tables

Northeast Regional Climate Center

Data represents point estimates calculated from partial duration series. All precipitation amounts are displayed in inches.

Smoothing	Yes
State	New Hampshire
Location	
Longitude	71.232 degrees West
Latitude	42.962 degrees North
Elevation	0 feet
Date/Time	Thu, 31 Mar 2022 10:03:48 -0400

Extreme Precipitation Estimates

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
1yr	0.26	0.40	0.50	0.66	0.82	1.04	1yr	0.71	0.99	1.21	1.54	1.96	2.53	2.73	1yr	2.24	2.63	3.04	3.72	4.33	1yr
2yr	0.32	0.50	0.62	0.81	1.02	1.29	2yr	0.88	1.18	1.50	1.89	2.39	3.03	3.36	2yr	2.68	3.23	3.74	4.44	5.06	2yr
5yr	0.38	0.59	0.74	0.99	1.27	1.62	5yr	1.10	1.47	1.89	2.40	3.03	3.83	4.30	5yr	3.39	4.14	4.76	5.64	6.37	5yr
10yr	0.43	0.67	0.85	1.15	1.50	1.93	10yr	1.29	1.74	2.26	2.87	3.63	4.59	5.19	10yr	4.06	4.99	5.71	6.76	7.58	10yr
25yr	0.50	0.80	1.02	1.40	1.86	2.42	25yr	1.60	2.18	2.85	3.64	4.61	5.82	6.66	25yr	5.15	6.40	7.28	8.59	9.54	25yr
50yr	0.57	0.91	1.17	1.64	2.20	2.89	50yr	1.89	2.58	3.40	4.36	5.53	6.97	8.04	50yr	6.17	7.73	8.75	10.31	11.37	50yr
100yr	0.64	1.04	1.34	1.90	2.59	3.44	100yr	2.24	3.06	4.07	5.22	6.63	8.35	9.72	100yr	7.39	9.34	10.52	12.38	13.55	100yr
200yr	0.74	1.20	1.55	2.22	3.06	4.09	200yr	2.64	3.63	4.85	6.25	7.94	10.01	11.75	200yr	8.86	11.30	12.64	14.88	16.16	200yr
500yr	0.88	1.44	1.88	2.73	3.82	5.15	500yr	3.30	4.55	6.14	7.93	10.09	12.72	15.10	500yr	11.26	14.52	16.14	18.99	20.43	500yr

Lower Confidence Limits

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
1yr	0.23	0.35	0.43	0.58	0.71	0.88	1yr	0.61	0.86	1.04	1.32	1.59	2.15	2.53	1yr	1.90	2.43	2.79	3.34	3.84	1yr
2yr	0.31	0.48	0.59	0.80	0.99	1.18	2yr	0.86	1.15	1.35	1.77	2.27	2.91	3.21	2yr	2.57	3.09	3.60	4.26	4.86	2yr
5yr	0.36	0.55	0.68	0.94	1.19	1.41	5yr	1.03	1.38	1.59	2.07	2.65	3.51	3.83	5yr	3.10	3.69	4.26	5.25	5.77	5yr
10yr	0.39	0.61	0.75	1.05	1.36	1.60	10yr	1.17	1.57	1.80	2.33	2.97	4.00	4.35	10yr	3.54	4.19	4.85	6.11	6.51	10yr
25yr	0.46	0.69	0.86	1.23	1.62	1.89	25yr	1.40	1.85	2.12	2.71	3.46	4.73	5.14	25yr	4.19	4.94	5.75	7.44	8.21	25yr
50yr	0.50	0.77	0.95	1.37	1.85	2.15	50yr	1.59	2.11	2.39	3.04	3.89	5.37	5.82	50yr	4.75	5.59	6.54	8.64	9.42	50yr
100yr	0.57	0.86	1.07	1.55	2.12	2.45	100yr	1.83	2.40	2.70	3.41	4.36	5.68	6.57	100yr	5.02	6.32	7.45	10.04	10.79	100yr
200yr	0.63	0.95	1.20	1.74	2.43	2.78	200yr	2.10	2.72	3.05	3.83	4.90	6.32	8.72	200yr	5.59	8.39	8.50	11.68	12.36	200yr
500yr	0.74	1.10	1.41	2.05	2.92	3.30	500yr	2.52	3.23	3.59	4.46	5.74	7.25	10.59	500yr	6.42	10.18	10.12	14.29	14.78	500yr

Upper Confidence Limits

	5min	10min	15min	30min	60min	120min		1hr	2hr	3hr	6hr	12hr	24hr	48hr		1day	2day	4day	7day	10day	
1yr	0.29	0.45	0.55	0.74	0.91	1.08	1yr	0.79	1.06	1.23	1.64	2.08	2.78	3.01	1yr	2.46	2.90	3.44	4.09	4.81	1yr
2yr	0.33	0.51	0.63	0.86	1.06	1.26	2yr	0.91	1.23	1.44	1.89	2.42	3.20	3.56	2yr	2.83	3.42	3.94	4.66	5.37	2yr
5yr	0.41	0.63	0.79	1.08	1.37	1.61	5yr	1.18	1.58	1.85	2.40	3.06	4.19	4.83	5yr	3.70	4.65	5.28	6.05	7.03	5yr
10yr	0.49	0.76	0.94	1.31	1.69	1.97	10yr	1.46	1.92	2.25	2.89	3.66	5.21	6.13	10yr	4.61	5.90	6.62	7.48	8.73	10yr
25yr	0.62	0.95	1.18	1.69	2.22	2.56	25yr	1.92	2.50	2.91	3.70	4.65	6.97	8.43	25yr	6.16	8.11	8.94	9.91	10.95	25yr
50yr	0.74	1.13	1.41	2.02	2.72	3.13	50yr	2.35	3.06	3.54	4.46	5.58	8.68	10.76	50yr	7.68	10.35	11.21	12.27	13.44	50yr
100yr	0.89	1.35	1.69	2.45	3.35	3.82	100yr	2.89	3.73	4.31	5.39	6.70	11.33	13.70	100yr	10.03	13.18	14.05	15.21	16.54	100yr
200yr	1.07	1.61	2.04	2.95	4.12	4.67	200yr	3.55	4.56	5.26	6.51	8.05	14.26	15.48	200yr	12.62	14.89	17.62	18.86	20.38	200yr
500yr	1.37	2.03	2.62	3.80	5.40	6.09	500yr	4.66	5.96	6.84	8.36	10.27	19.36	20.94	500yr	17.14	20.13	23.78	25.07	26.90	500yr





United States Department of Agriculture



Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for **Rockingham County, New Hampshire**

Chester Gravel Pit



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/? cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

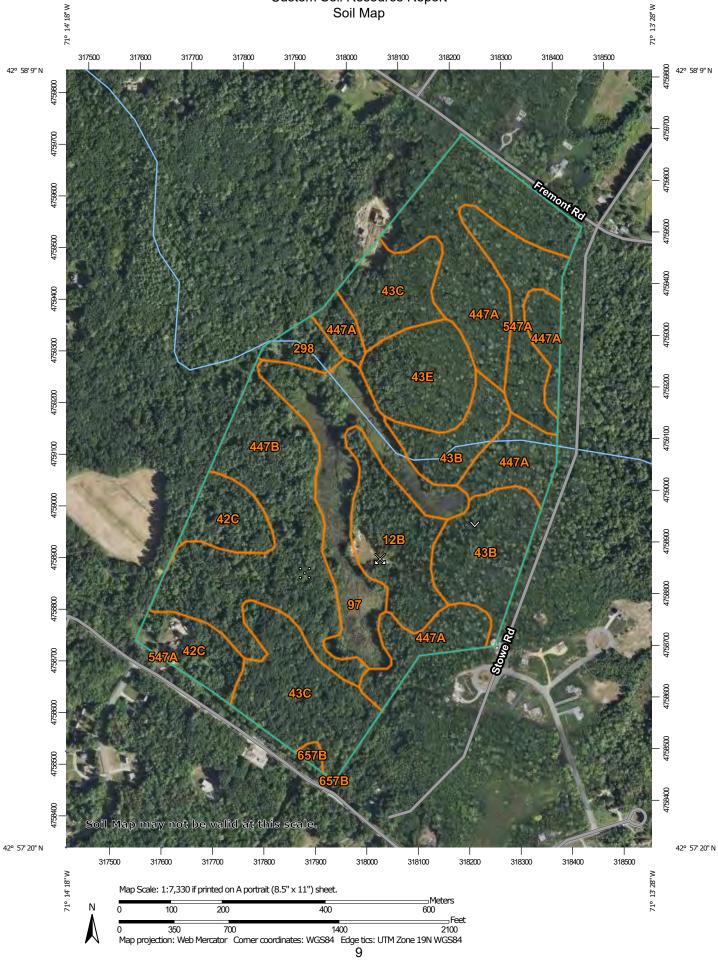
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



	MAP L	EGEND		MAP INFORMATION					
Area of Int	terest (AOI) Area of Interest (AOI)	8	Spoil Area Stony Spot	The soil surveys that comprise your AOI were mapped at 1:24,000.					
Soils	Soil Map Unit Polygons	00 12	Very Stony Spot Wet Spot	Warning: Soil Map may not be valid at this scale.					
ĩ	Soil Map Unit Lines Soil Map Unit Points	۵ •	Other Special Line Features	Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of					
అ	Point Features Blowout	Water Fea	•	contrasting soils that could have been shown at a more detailed scale.					
×	Borrow Pit Clay Spot	Transport	ation Rails	Please rely on the bar scale on each map sheet for map measurements.					
¢ ₩	Closed Depression Gravel Pit Gravelly Spot	~	Interstate Highways US Routes	Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)					
 Θ Λ	Landfill Lava Flow	~	Major Roads Local Roads	Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts					
よ (水 (水	Marsh or swamp Mine or Quarry	Background Aerial Photography		distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.					
0	Miscellaneous Water Perennial Water			This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.					
~ +	Rock Outcrop Saline Spot			Soil Survey Area: Rockingham County, New Hampshire Survey Area Data: Version 22, May 29, 2020					
	Sandy Spot Severely Eroded Spot			Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.					
♦	Sinkhole Slide or Slip			Date(s) aerial images were photographed: Aug 13, 2020—Sep 15, 2020					
ø	Sodic Spot			The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.					

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
12B	Hinckley loamy sand, 3 to 8 percent slopes	10.0	6.8%
42C	Canton fine sandy loam, 8 to 15 percent slopes	9.7	6.6%
43B	Canton fine sandy loam, 0 to 8 percent slopes, very stony	14.8	10.1%
43C	Canton fine sandy loam, 8 to 15 percent slopes, very stony	19.2	13.1%
43E	Canton gravelly fine sandy loam, 25 to 35 percent slopes, very stony	9.0	6.1%
97	Freetown and Natchaug mucky peats, ponded, 0 to 2 percent slopes	17.2	11.7%
298	Pits, sand and gravel	2.5	1.7%
447A	Scituate-Newfields complex, 0 to 3 percent slopes, very stony	31.9	21.7%
447B	Scituate-Newfields complex, 3 to 8 percent slopes, very stony	24.3	16.6%
547A	Walpole very fine sandy loam, 0 to 3 percent slopes, very stony	8.0	5.5%
657B	Ridgebury fine sandy loam, 3 to 8 percent slopes, very stony	0.4	0.3%
Totals for Area of Interest		147.0	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Rockingham County, New Hampshire

12B—Hinckley loamy sand, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2svm8 Elevation: 0 to 1,430 feet Mean annual precipitation: 36 to 53 inches Mean annual air temperature: 39 to 55 degrees F Frost-free period: 140 to 250 days Farmland classification: Not prime farmland

Map Unit Composition

Hinckley and similar soils: 85 percent *Minor components:* 15 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Hinckley

Setting

Landform: Eskers, outwash plains, kames, kame terraces, outwash deltas, moraines, outwash terraces

Landform position (two-dimensional): Summit, shoulder, backslope, footslope

Landform position (three-dimensional): Nose slope, side slope, base slope, crest, tread, riser

Down-slope shape: Linear, convex, concave

Across-slope shape: Convex, linear, concave

Parent material: Sandy and gravelly glaciofluvial deposits derived from gneiss and/or granite and/or schist

Typical profile

Oe - 0 to 1 inches: moderately decomposed plant material

A - 1 to 8 inches: loamy sand

Bw1 - 8 to 11 inches: gravelly loamy sand

Bw2 - 11 to 16 inches: gravelly loamy sand

BC - 16 to 19 inches: very gravelly loamy sand

C - 19 to 65 inches: very gravelly sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 99.90 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water capacity: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 3s Hydrologic Soil Group: A *Ecological site:* F144AY022MA - Dry Outwash *Hydric soil rating:* No

Minor Components

Windsor

Percent of map unit: 8 percent
Landform: Eskers, outwash plains, kames, kame terraces, outwash deltas, moraines, outwash terraces
Landform position (two-dimensional): Summit, shoulder, backslope, footslope
Landform position (three-dimensional): Nose slope, side slope, base slope, crest, tread, riser
Down-slope shape: Linear, convex, concave
Across-slope shape: Convex, linear, concave
Hydric soil rating: No

Sudbury

Percent of map unit: 5 percent
Landform: Outwash plains, kame terraces, outwash deltas, moraines, outwash terraces
Landform position (two-dimensional): Backslope, footslope
Landform position (three-dimensional): Side slope, base slope, head slope, tread
Down-slope shape: Concave, linear
Across-slope shape: Linear, concave
Hydric soil rating: No

Agawam

Percent of map unit: 2 percent

Landform: Eskers, outwash plains, kames, kame terraces, outwash deltas, moraines, outwash terraces

Landform position (two-dimensional): Summit, shoulder, backslope, footslope

Landform position (three-dimensional): Nose slope, side slope, base slope, crest, tread, riser

Down-slope shape: Linear, convex, concave *Across-slope shape:* Convex, linear, concave *Hydric soil rating:* No

42C—Canton fine sandy loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2w817 Elevation: 0 to 1,330 feet Mean annual precipitation: 36 to 71 inches Mean annual air temperature: 39 to 55 degrees F Frost-free period: 140 to 240 days Farmland classification: Farmland of statewide importance

Map Unit Composition

Canton and similar soils: 80 percent Minor components: 20 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Canton

Setting

Landform: Ridges, hills, moraines Landform position (two-dimensional): Backslope, summit, shoulder Landform position (three-dimensional): Side slope, crest, nose slope Down-slope shape: Convex, linear Across-slope shape: Convex Parent material: Coarse-loamy over sandy melt-out till derived from gneiss, granite, and/or schist

Typical profile

Ap - 0 to 7 inches: fine sandy loam *Bw1 - 7 to 15 inches:* fine sandy loam *Bw2 - 15 to 26 inches:* gravelly fine sandy loam *2C - 26 to 65 inches:* gravelly loamy sand

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: 19 to 39 inches to strongly contrasting textural stratification
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 3e Hydrologic Soil Group: B Ecological site: F144AY034CT - Well Drained Till Uplands Hydric soil rating: No

Minor Components

Scituate

Percent of map unit: 6 percent Landform: Hills, ground moraines, drumlins Landform position (two-dimensional): Footslope, backslope Landform position (three-dimensional): Side slope Down-slope shape: Convex, linear Across-slope shape: Convex Hydric soil rating: No

Montauk

Percent of map unit: 6 percent Landform: Hills, ground moraines, moraines, drumlins Landform position (two-dimensional): Backslope Landform position (three-dimensional): Side slope Down-slope shape: Linear, convex Across-slope shape: Convex Hydric soil rating: No

Newfields

Percent of map unit: 4 percent Landform: Hills, ground moraines, moraines Landform position (two-dimensional): Footslope Landform position (three-dimensional): Base slope Down-slope shape: Linear Across-slope shape: Concave Hydric soil rating: No

Charlton

Percent of map unit: 4 percent Landform: Ridges, hills, ground moraines Landform position (two-dimensional): Backslope Landform position (three-dimensional): Side slope Down-slope shape: Linear, convex Across-slope shape: Convex Hydric soil rating: No

43B—Canton fine sandy loam, 0 to 8 percent slopes, very stony

Map Unit Setting

National map unit symbol: 2w811 Elevation: 0 to 1,180 feet Mean annual precipitation: 36 to 71 inches Mean annual air temperature: 39 to 55 degrees F Frost-free period: 140 to 240 days Farmland classification: Farmland of local importance

Map Unit Composition

Canton, very stony, and similar soils: 80 percent *Minor components:* 20 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Canton, Very Stony

Setting

Landform: Ridges, hills, moraines Landform position (two-dimensional): Summit, shoulder, backslope Landform position (three-dimensional): Side slope, crest, nose slope Down-slope shape: Convex, linear Across-slope shape: Convex Parent material: Coarse-loamy over sandy melt-out till derived from gneiss, granite, and/or schist

Typical profile

Oi - 0 to 2 inches: slightly decomposed plant material *A - 2 to 5 inches:* fine sandy loam *Bw1 - 5 to 16 inches:* fine sandy loam *Bw2 - 16 to 22 inches:* gravelly fine sandy loam 2C - 22 to 67 inches: gravelly loamy sand

Properties and qualities

Slope: 0 to 8 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: 19 to 39 inches to strongly contrasting textural stratification
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water capacity: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 6s Hydrologic Soil Group: B Ecological site: F144AY034CT - Well Drained Till Uplands Hydric soil rating: No

Minor Components

Scituate, very stony

Percent of map unit: 9 percent Landform: Hills, ground moraines, drumlins Landform position (two-dimensional): Footslope, backslope, summit Landform position (three-dimensional): Side slope, crest Down-slope shape: Linear, convex Across-slope shape: Convex Hydric soil rating: No

Montauk, very stony

Percent of map unit: 5 percent Landform: Hills, ground moraines, recessionial moraines, drumlins Landform position (two-dimensional): Backslope, shoulder, summit Landform position (three-dimensional): Side slope, crest Down-slope shape: Linear, convex Across-slope shape: Convex Hydric soil rating: No

Gloucester, very stony

Percent of map unit: 4 percent Landform: Ridges, hills, moraines Landform position (two-dimensional): Summit, backslope, shoulder Landform position (three-dimensional): Side slope, crest Down-slope shape: Convex, linear Across-slope shape: Convex Hydric soil rating: No

Swansea

Percent of map unit: 2 percent Landform: Bogs, marshes, depressions, kettles, swamps Down-slope shape: Concave Across-slope shape: Concave Hydric soil rating: Yes

43C—Canton fine sandy loam, 8 to 15 percent slopes, very stony

Map Unit Setting

National map unit symbol: 2w814 Elevation: 0 to 1,160 feet Mean annual precipitation: 36 to 71 inches Mean annual air temperature: 39 to 55 degrees F Frost-free period: 140 to 240 days Farmland classification: Not prime farmland

Map Unit Composition

Canton, very stony, and similar soils: 85 percent *Minor components:* 15 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Canton, Very Stony

Setting

Landform: Ridges, hills, moraines Landform position (two-dimensional): Backslope Landform position (three-dimensional): Side slope Down-slope shape: Convex, linear Across-slope shape: Convex Parent material: Coarse-loamy over sandy melt-out till derived from gneiss, granite, and/or schist

Typical profile

Oi - 0 to 2 inches: slightly decomposed plant material *A - 2 to 5 inches:* fine sandy loam *Bw1 - 5 to 16 inches:* fine sandy loam *Bw2 - 16 to 22 inches:* gravelly fine sandy loam *2C - 22 to 67 inches:* gravelly loamy sand

Properties and qualities

Slope: 8 to 15 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: 19 to 39 inches to strongly contrasting textural stratification
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water capacity: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 6s Hydrologic Soil Group: B Ecological site: F144AY034CT - Well Drained Till Uplands Hydric soil rating: No

Minor Components

Montauk, very stony

Percent of map unit: 6 percent Landform: Hills, ground moraines, recessionial moraines, drumlins Landform position (two-dimensional): Backslope Landform position (three-dimensional): Side slope Down-slope shape: Linear, convex Across-slope shape: Convex Hydric soil rating: No

Scituate, very stony

Percent of map unit: 5 percent Landform: Hills, ground moraines, drumlins Landform position (two-dimensional): Footslope, backslope Landform position (three-dimensional): Side slope Down-slope shape: Linear, convex Across-slope shape: Convex Hydric soil rating: No

Chatfield, very stony

Percent of map unit: 3 percent Landform: Ridges, hills Landform position (two-dimensional): Backslope, shoulder, summit Landform position (three-dimensional): Side slope Down-slope shape: Convex Across-slope shape: Convex Hydric soil rating: No

Swansea

Percent of map unit: 1 percent Landform: Bogs, marshes, depressions, kettles, swamps Down-slope shape: Concave Across-slope shape: Concave Hydric soil rating: Yes

43E—Canton gravelly fine sandy loam, 25 to 35 percent slopes, very stony

Map Unit Setting

National map unit symbol: 9cnm Elevation: 0 to 1,000 feet Mean annual precipitation: 40 to 50 inches *Mean annual air temperature:* 45 to 55 degrees F *Frost-free period:* 120 to 200 days *Farmland classification:* Not prime farmland

Map Unit Composition

Canton and similar soils: 85 percent *Minor components:* 15 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Canton

Setting

Parent material: Till

Typical profile

H1 - 0 to 5 inches: gravelly fine sandy loam *H2 - 5 to 21 inches:* gravelly fine sandy loam *H3 - 21 to 60 inches:* loamy sand

Properties and qualities

Slope: 25 to 35 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: A Ecological site: F144AY034CT - Well Drained Till Uplands Hydric soil rating: No

Minor Components

Hinckley

Percent of map unit: 5 percent Hydric soil rating: No

Slope inclusion

Percent of map unit: 5 percent Hydric soil rating: No

Chatfield

Percent of map unit: 5 percent *Hydric soil rating:* No

97—Freetown and Natchaug mucky peats, ponded, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2w690 Elevation: 10 to 930 feet Mean annual precipitation: 36 to 71 inches Mean annual air temperature: 39 to 55 degrees F Frost-free period: 145 to 240 days Farmland classification: Not prime farmland

Map Unit Composition

Freetown, ponded, and similar soils: 38 percent *Natchaug, ponded, and similar soils:* 37 percent *Minor components:* 25 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Freetown, Ponded

Setting

Landform: Bogs, marshes, depressions, kettles, swamps Down-slope shape: Concave Across-slope shape: Concave Parent material: Moderately decomposed organic material

Typical profile

Oe1 - 0 to 2 inches: mucky peat *Oe2 - 2 to 79 inches:* mucky peat

Properties and qualities

Slope: 0 to 2 percent
Surface area covered with cobbles, stones or boulders: 0.0 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: Frequent
Available water capacity: Very high (about 20.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 8w Hydrologic Soil Group: B/D Ecological site: F144AY043MA - Acidic Organic Wetlands Hydric soil rating: Yes

Description of Natchaug, Ponded

Setting

Landform: Depressions, depressions, depressions Down-slope shape: Concave Across-slope shape: Concave Parent material: Moderately decomposed organic material over loamy glaciofluvial deposits and/or loamy glaciolacustrine deposits and/or loamy till

Typical profile

Oe1 - 0 to 12 inches: mucky peat *Oe2 - 12 to 31 inches:* mucky peat *2Cg1 - 31 to 39 inches:* silt loam *2Cg2 - 39 to 79 inches:* fine sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.01 to 14.17 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: Frequent
Calcium carbonate, maximum content: 25 percent
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water capacity: Very high (about 14.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 8w Hydrologic Soil Group: B/D Ecological site: F144AY042NY - Semi-Rich Organic Wetlands Hydric soil rating: Yes

Minor Components

Scarboro, ponded

Percent of map unit: 9 percent Landform: Depressions, drainageways, outwash deltas, outwash terraces Landform position (three-dimensional): Tread Down-slope shape: Concave Across-slope shape: Concave Hydric soil rating: Yes

Maybid, ponded

Percent of map unit: 8 percent Landform: Depressions, depressions Down-slope shape: Concave Across-slope shape: Concave Hydric soil rating: Yes

Ridgebury, very stony

Percent of map unit: 4 percent *Landform:* Hills, depressions, drainageways, ground moraines, drumlins *Landform position (two-dimensional):* Toeslope, footslope

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Landform position (three-dimensional): Base slope, head slope Down-slope shape: Concave Across-slope shape: Concave Hydric soil rating: Yes

Scitico

Percent of map unit: 4 percent Landform: Depressions, depressions Down-slope shape: Concave Across-slope shape: Concave Hydric soil rating: Yes

298—Pits, sand and gravel

Map Unit Composition *Pits:* 100 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

447A—Scituate-Newfields complex, 0 to 3 percent slopes, very stony

Map Unit Setting

National map unit symbol: 9cnq Elevation: 0 to 820 feet Mean annual precipitation: 44 to 49 inches Mean annual air temperature: 46 to 48 degrees F Frost-free period: 155 to 165 days Farmland classification: Not prime farmland

Map Unit Composition

Scituate and similar soils: 50 percent Newfields and similar soils: 25 percent Minor components: 25 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Scituate

Typical profile

- H1 0 to 8 inches: fine sandy loam
- H2 8 to 32 inches: cobbly fine sandy loam
- H3 32 to 60 inches: gravelly loamy sand

Properties and qualities

Slope: 0 to 3 percent Surface area covered with cobbles, stones or boulders: 1.6 percent Depth to restrictive feature: More than 80 inches Drainage class: Moderately well drained Runoff class: Medium Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr) Depth to water table: About 18 to 36 inches Frequency of flooding: None Frequency of ponding: None Available water capacity: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 5s Hydrologic Soil Group: C Ecological site: F144AY037MA - Moist Dense Till Uplands Hydric soil rating: No

Description of Newfields

Setting

Parent material: Till

Typical profile

H1 - 0 to 9 inches: fine sandy loam
H2 - 9 to 35 inches: fine sandy loam
H3 - 35 to 64 inches: gravelly loamy sand

Properties and qualities

Slope: 0 to 3 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 24 to 48 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 5s Hydrologic Soil Group: C Ecological site: F144AY008CT - Moist Till Uplands Hydric soil rating: No

Minor Components

Walpole

Percent of map unit: 5 percent Landform: Depressions Hydric soil rating: Yes

Montauk

Percent of map unit: 5 percent Hydric soil rating: No

Not named

Percent of map unit: 5 percent *Hydric soil rating:* No

Ridgebury

Percent of map unit: 5 percent Landform: Depressions Hydric soil rating: Yes

Canton

Percent of map unit: 5 percent Hydric soil rating: No

447B—Scituate-Newfields complex, 3 to 8 percent slopes, very stony

Map Unit Setting

National map unit symbol: 9cnr Elevation: 0 to 1,000 feet Mean annual precipitation: 35 to 56 inches Mean annual air temperature: 45 to 52 degrees F Frost-free period: 120 to 200 days Farmland classification: Not prime farmland

Map Unit Composition

Scituate and similar soils: 50 percent Newfields and similar soils: 25 percent Minor components: 25 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Scituate

Typical profile

H1 - 0 to 8 inches: fine sandy loam H2 - 8 to 32 inches: cobbly fine sandy loam H3 - 32 to 60 inches: gravelly loamy sand

Properties and qualities

Slope: 3 to 8 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 6s Hydrologic Soil Group: C *Ecological site:* F144AY037MA - Moist Dense Till Uplands *Hydric soil rating:* No

Description of Newfields

Setting

Parent material: Till

Typical profile

H1 - 0 to 9 inches: fine sandy loam
H2 - 9 to 35 inches: fine sandy loam
H3 - 35 to 64 inches: gravelly loamy sand

Properties and qualities

Slope: 3 to 8 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 24 to 48 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 6s Hydrologic Soil Group: C Ecological site: F144AY008CT - Moist Till Uplands Hydric soil rating: No

Minor Components

Montauk

Percent of map unit: 5 percent Hydric soil rating: No

Walpole

Percent of map unit: 5 percent Landform: Depressions Hydric soil rating: Yes

Canton

Percent of map unit: 5 percent Hydric soil rating: No

Ridgebury

Percent of map unit: 5 percent Landform: Depressions Hydric soil rating: Yes

Not named

Percent of map unit: 5 percent Hydric soil rating: No

547A—Walpole very fine sandy loam, 0 to 3 percent slopes, very stony

Map Unit Setting

National map unit symbol: 9cpc Elevation: 0 to 2,100 feet Mean annual precipitation: 28 to 49 inches Mean annual air temperature: 46 to 52 degrees F Frost-free period: 100 to 195 days Farmland classification: Not prime farmland

Map Unit Composition

Walpole and similar soils: 85 percent Minor components: 15 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Walpole

Setting

Landform: Depressions

Typical profile

H1 - 0 to 7 inches: very fine sandy loam H2 - 7 to 16 inches: sandy loam H3 - 16 to 60 inches: gravelly loamy sand

Properties and qualities

Slope: 0 to 3 percent
Surface area covered with cobbles, stones or boulders: 0.1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 6s Hydrologic Soil Group: A/D Ecological site: F144AY028MA - Wet Outwash Hydric soil rating: Yes

Minor Components

Scarboro

Percent of map unit: 10 percent

Landform: Depressions Hydric soil rating: Yes

Newfields

Percent of map unit: 5 percent Hydric soil rating: No

657B—Ridgebury fine sandy loam, 3 to 8 percent slopes, very stony

Map Unit Setting

National map unit symbol: 2xffx Elevation: 40 to 1,320 feet Mean annual precipitation: 36 to 71 inches Mean annual air temperature: 39 to 55 degrees F Frost-free period: 140 to 240 days Farmland classification: Not prime farmland

Map Unit Composition

Ridgebury, very stony, and similar soils: 85 percent *Minor components:* 15 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Ridgebury, Very Stony

Setting

Landform: Hills, depressions, drainageways, ground moraines, drumlins Landform position (two-dimensional): Toeslope, footslope Landform position (three-dimensional): Base slope, head slope Down-slope shape: Concave Across-slope shape: Concave Parent material: Coarse-loamy lodgment till derived from gneiss, granite, and/or schist

Typical profile

Oe - 0 to 1 inches: moderately decomposed plant material

- A 1 to 6 inches: fine sandy loam
- Bw 6 to 10 inches: sandy loam
- Bg 10 to 19 inches: gravelly sandy loam
- Cd 19 to 66 inches: gravelly sandy loam

Properties and qualities

Slope: 3 to 8 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: 15 to 35 inches to densic material
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: None
Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm) *Available water capacity:* Low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 4w Hydrologic Soil Group: D Ecological site: F144AY009CT - Wet Till Depressions Hydric soil rating: Yes

Minor Components

Woodbridge, very stony

Percent of map unit: 7 percent Landform: Hills, ground moraines, drumlins Landform position (two-dimensional): Footslope, summit, backslope Landform position (three-dimensional): Crest, side slope Down-slope shape: Convex Across-slope shape: Linear Hydric soil rating: No

Whitman, very stony

Percent of map unit: 4 percent Landform: Hills, depressions, drainageways, ground moraines, drumlins Landform position (two-dimensional): Toeslope Landform position (three-dimensional): Base slope Down-slope shape: Concave Across-slope shape: Concave Hydric soil rating: Yes

Scituate, very stony

Percent of map unit: 2 percent Landform: Hills, ground moraines, drumlins Landform position (two-dimensional): Summit, footslope, backslope Landform position (three-dimensional): Side slope, crest Down-slope shape: Convex, linear Across-slope shape: Convex Hydric soil rating: No

Walpole

Percent of map unit: 2 percent Landform: Depressions, drainageways, outwash terraces Landform position (three-dimensional): Tread Down-slope shape: Concave Across-slope shape: Concave Hydric soil rating: Yes

Soil Information for All Uses

Soil Properties and Qualities

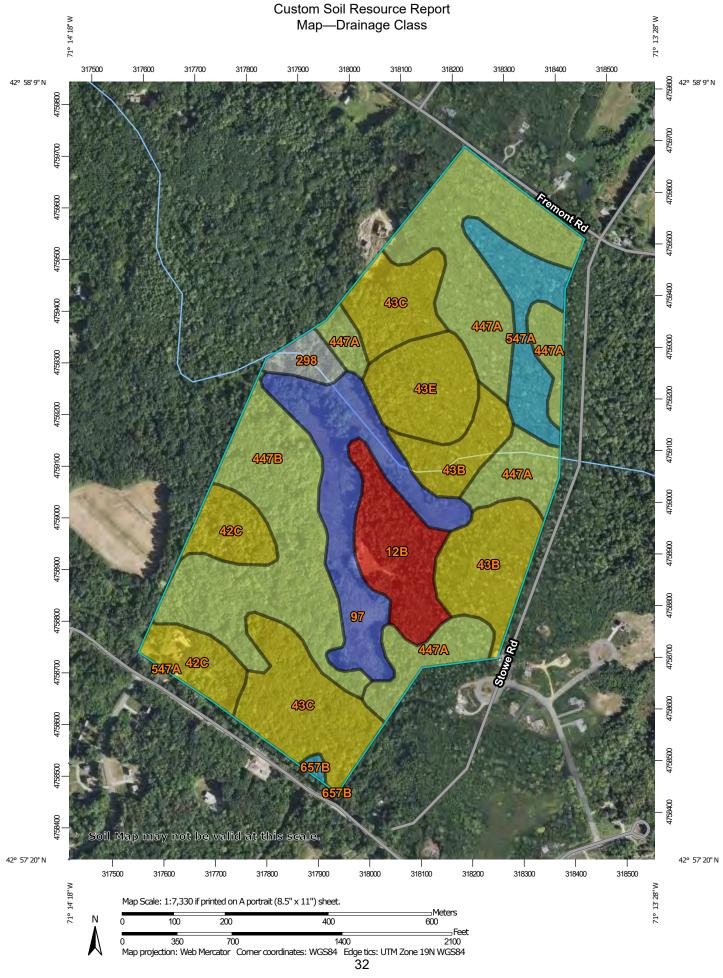
The Soil Properties and Qualities section includes various soil properties and qualities displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each property or quality.

Soil Qualities and Features

Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

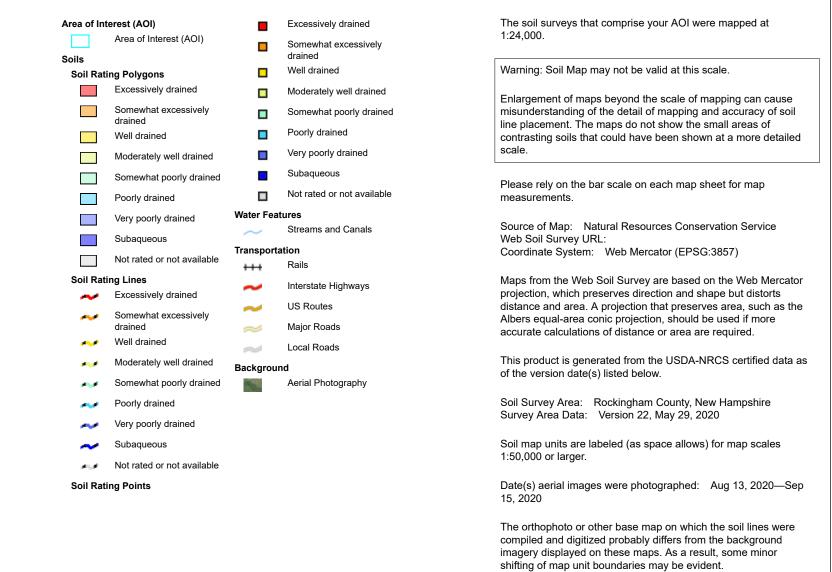
Drainage Class

"Drainage class (natural)" refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized-excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, and very poorly drained. These classes are defined in the "Soil Survey Manual."



MAP INFORMATION

MAP LEGEND



Table—Drainage Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
12B	Hinckley loamy sand, 3 to 8 percent slopes	Excessively drained	10.0	6.8%
42C	Canton fine sandy loam, 8 to 15 percent slopes	Well drained	9.7	6.6%
43B	Canton fine sandy loam, 0 to 8 percent slopes, very stony	Well drained	14.8	10.1%
43C	Canton fine sandy loam, 8 to 15 percent slopes, very stony	Well drained	19.2	13.1%
43E	Canton gravelly fine sandy loam, 25 to 35 percent slopes, very stony	Well drained	9.0	6.1%
97	Freetown and Natchaug mucky peats, ponded, 0 to 2 percent slopes	Very poorly drained	17.2	11.7%
298	Pits, sand and gravel		2.5	1.7%
447A	Scituate-Newfields complex, 0 to 3 percent slopes, very stony	Moderately well drained	31.9	21.7%
447B	Scituate-Newfields complex, 3 to 8 percent slopes, very stony	Moderately well drained	24.3	16.6%
547A	Walpole very fine sandy loam, 0 to 3 percent slopes, very stony	Poorly drained	8.0	5.5%
657B	Ridgebury fine sandy loam, 3 to 8 percent slopes, very stony	Poorly drained	0.4	0.3%
Totals for Area of Inter	est		147.0	100.0%

Rating Options—Drainage Class

Aggregation Method: Dominant Condition Component Percent Cutoff: None Specified Tie-break Rule: Higher

Hydrologic Soil Group

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the

soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

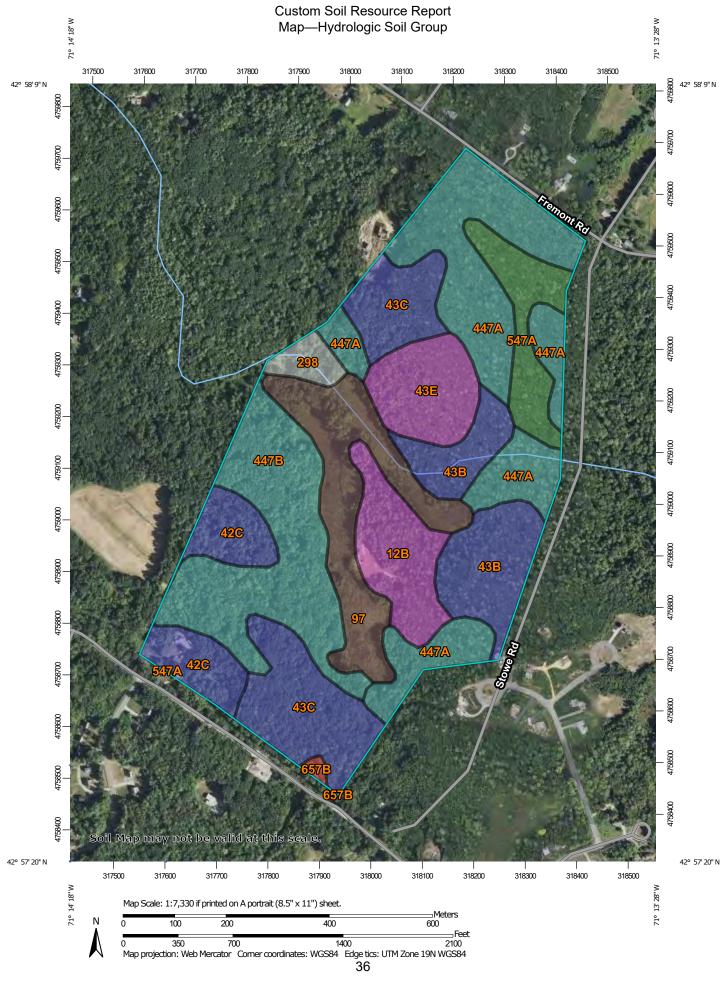
Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

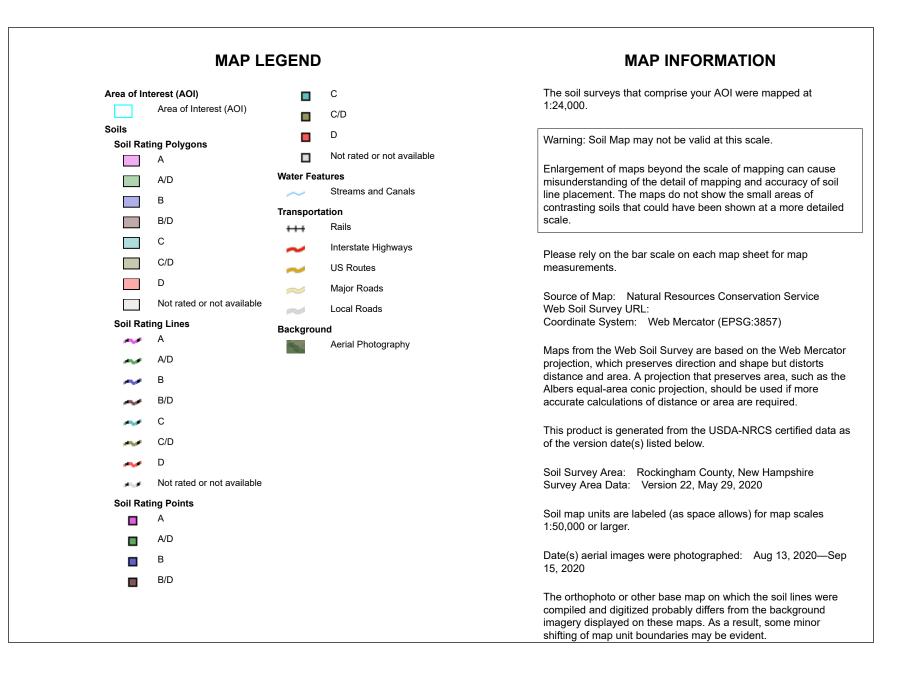
Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.





Table—Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
12B	Hinckley loamy sand, 3 to 8 percent slopes	A	10.0	6.8%
42C	Canton fine sandy loam, 8 to 15 percent slopes	В	9.7	6.6%
43B	Canton fine sandy loam, 0 to 8 percent slopes, very stony	В	14.8	10.1%
43C	Canton fine sandy loam, 8 to 15 percent slopes, very stony	В	19.2	13.1%
43E	Canton gravelly fine sandy loam, 25 to 35 percent slopes, very stony	A	9.0	6.1%
97	Freetown and Natchaug mucky peats, ponded, 0 to 2 percent slopes	B/D	17.2	11.7%
298	Pits, sand and gravel		2.5	1.7%
447A	Scituate-Newfields complex, 0 to 3 percent slopes, very stony	С	31.9	21.7%
447B	Scituate-Newfields complex, 3 to 8 percent slopes, very stony	С	24.3	16.6%
547A	Walpole very fine sandy loam, 0 to 3 percent slopes, very stony	A/D	8.0	5.5%
657B	Ridgebury fine sandy loam, 3 to 8 percent slopes, very stony	D	0.4	0.3%
Totals for Area of Inter	est		147.0	100.0%

Rating Options—Hydrologic Soil Group

Aggregation Method: Dominant Condition Component Percent Cutoff: None Specified Tie-break Rule: Higher

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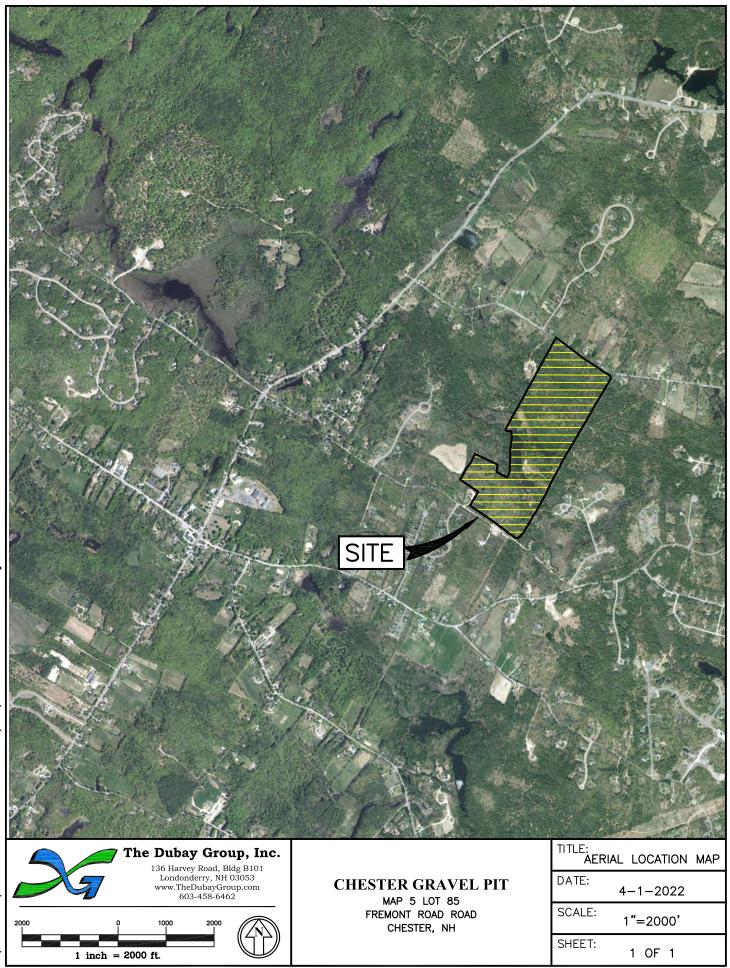
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Facing south, looking down access drive.



Representative view of cleared site looking towards northern tree clearing limits.

RIP RAP OUTLET PROTECTION CALCULATIONS

Chester Gravel Pit TDG Project #493

The purpose of this spreadsheet is to calculate the dimensions of rip rap required to help prevent soil loss for the 25-year storm event

Input values required are:

Q = peak flow, CFS Do = diameter of outlet or width of channel, ft Tw = tailwater at end of apron, ft

Depending on the tailwater conditions, one of the following formulas is used:

Tw < 1/2Do	<u>OR</u>	$\underline{\mathrm{Tw}} \ge 1/2\mathrm{Do}$
\checkmark		\checkmark
a): La = 1.8Q/(Do) ^{1.5} +7Do		$La = 3.0Q/(Do)^{1.5}+7Do$
\checkmark		\checkmark
W1=3*Do W2 = 3Do + La		W1=3*Do W2=3Do+0.4*La
	↓ a): La = $1.8Q/(Do)^{1.5}+7Do$ ↓ W1=3*Do	↓ a): La = $1.8Q/(Do)^{1.5}+7Do$ ↓ W1=3*Do

If defined channel, use channel width for W1 and W2 $\,$

 $d50 = (0.02 * Q^{1.3})/(Tw*Do)$

								Riprap Gradation Envelope				Riprap			
		In	put Valu	ies		Calc	ulated Ou	ıtput		Use	d100	d85	d50	d15	Depth
Structure & Descrip	tion	Q (cfs)	Do (ft)	Tw (ft)	La	W1	W2	d50, ft	d50, in	d50 in.	in.	in.	in.	in.	in.
Outlet	From P1	3.19	1.00	1.00	17	3	10	0.1	1.08	6	9	8	6	3	15

Notes:_____

Outlet Protection Calcs.xls

Stormwater Management Report

IV. EROSION & SEDIMENTATION CONTROL PROVISIONS

- A. Temporary Erosion Control Measures
- B. Construction Sequence
- C. Permanent Erosion Control Measures

IV. EROSION & SEDIMENTATION CONTROL PROVISIONS

A. Temporary Erosion Control Measures

As an integral part of the engineering design of this site, an erosion and sedimentation control plan has been developed with the intent of limiting the potential for soil loss and associated receiving water quality degradation, both during and after the construction period. As the project plans indicate, traditional temporary erosion and sedimentation control devices and practices, such as siltation fencing and silt socks have been specified for use during the construction period. In preparation of these provisions, reference was made to the New Hampshire Stormwater Manual: Volume 3, Erosion and Sediment Controls During Construction. Construction details for each temporary erosion control measure and practice specified have been added to the project plans. These plans also contain a number of erosion control notes, which are offered to the selected contractor in order to supplement the specified measures and practices to the extent practical.

B. Construction Sequence

As pointed out in the erosion control notes, it is important for the contractor to recognize that proper judgment in the implementation of work will be essential if erosion is to be limited, and protection of completed work is to be realized. Any specific changes in sequence and/or field conditions affecting the ability of specific erosion control measures to adequately serve their intended purpose should be reported to this office by the contractor. The contractor is encouraged to supplement specified erosion control measures during the construction period where and when, in his best judgment, additional protection is warranted.

C. Permanent Erosion

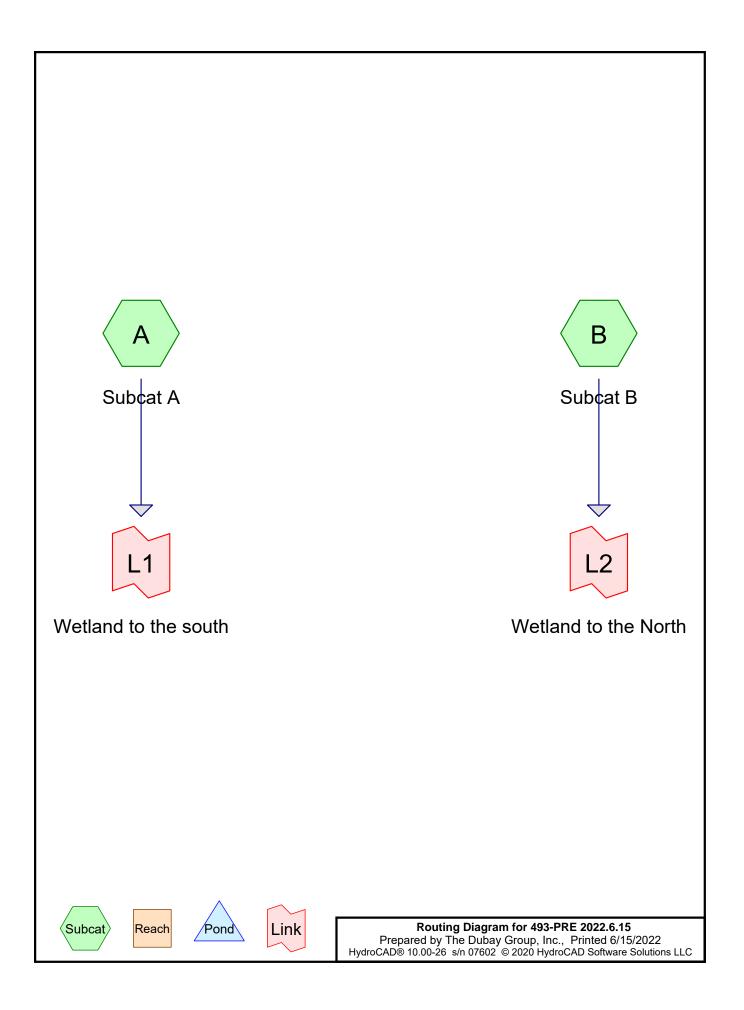
In the original design of this site, consideration was given to limiting the potential for long-term erosion of completed improvements. As a result, several permanent erosion control measures are incorporated into the final design. These provisions include:

- 1) Placement of rip-rap where needed to reduce stormwater velocities to manageable levels;
- 2) Vegetation located in the disturbed areas, including the proposed pond.
- 3) Specification of a turf establishment schedule and seed mixture, utilizing materials and workmanship recognized as appropriate for the site conditions.

Stormwater Management Report

V. STORMWATER ANALYSIS

- B. Drainage Analysis
 - i. Pre-Development Drainage Diagram
 - ii. Pre-Development Area Listing and Soil Listing
 - iii. HydroCAD Output, Existing 2-Year Storm, Node List
 - iv. HydroCAD Output, Existing 10-Year Storm, Node List & Full Summary
 - v. HydroCAD Output, Existing 25-Year Storm, Node List & Full Summary
 - vi. HydroCAD Output, Existing 50-Year Storm, Node List
 - vii. HydroCAD Output, Existing 100-Year Storm, Node List
 - viii. Post-Development Drainage Diagram
 - ix. Post-Development Area Listing and Soil Listing
 - x. HydroCAD Output, Proposed 2-Year Storm, Node List
 - xi. HydroCAD Output, Proposed 10-Year Storm, Node List & Full Summary
 - xii. HydroCAD Output, Proposed 25-Year Storm, Node List & Full Summary
 - xiii. HydroCAD Output, Proposed 50-Year Storm, Node List
 - xiv. HydroCAD Output, Proposed 100-Year Storm, Node List



493-PRE 2022.6.15	Type III 24-hr 2-YR Rainfall=3.03"
Prepared by The Dubay Group, Inc.	Printed 6/15/2022
HydroCAD® 10.00-26 s/n 07602 © 2020 HydroCAD Software Solutions	LLC Page 2

Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points Runoff by SCS TR-20 method, UH=SCS, Weighted-CN Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment A: Subcat A	Runoff Area=485,779 sf 0.00% Impervious Runoff Depth>0.16" Flow Length=814' Tc=29.0 min CN=55 Runoff=0.59 cfs 6,668 cf
Subcatchment B: Subcat B	Runoff Area=318,703 sf 0.00% Impervious Runoff Depth>0.17" Flow Length=715' Tc=22.2 min CN=55 Runoff=0.43 cfs 4,403 cf
Link L1: Wetland to the south	Inflow=0.59 cfs 6,668 cf Primary=0.59 cfs 6,668 cf
Link L2: Wetland to the North	Inflow=0.43 cfs 4,403 cf Primary=0.43 cfs 4,403 cf
Total Runoff Area = 804.482 s	f Runoff Volume = 11.071 cf Average Runoff Depth = 0.17"

Total Runoff Area = 804,482 sf Runoff Volume = 11,071 cf Average Runoff Depth = 0.17" 100.00% Pervious = 804,482 sf 0.00% Impervious = 0 sf

Summary for Subcatchment A: Subcat A

Runoff = 0.59 cfs @ 12.71 hrs, Volume= 6,668 cf, Depth> 0.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 2-YR Rainfall=3.03"

_	A	rea (sf)	CN I	Description		
_	4	85,779	55 \	Noods, Go	od, HSG B	
	4	85,779		100.00% Pe	ervious Are	a
	Tc (min)	Length (feet)	Slope (ft/ft)		Capacity (cfs)	Description
-	12.7	100	0.0800	0.13		Sheet Flow,
	7.6	471	0.1700	1.03		Woods: Light underbrush n= 0.400 P2= 3.03" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	8.7	243	0.0350	0.47		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
-	20.0	Q1/	Total			

29.0 814 Total

Summary for Subcatchment B: Subcat B

Runoff = 0.43 cfs @ 12.61 hrs, Volume= 4,403 cf, Depth> 0.1	Runoff =	0.43 cfs @	12.61 hrs,	Volume=	4,403 cf, Depth> 0.1	7"
---	----------	------------	------------	---------	----------------------	----

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 2-YR Rainfall=3.03"

	Area (sf)	CN	Description		
	318,703	55	Woods, Go	od, HSG B	
	318,703		100.00% P	ervious Are	а
T (mir	c Length	Slope (ft/ft)		Capacity (cfs)	Description
10.		0.1200	· · · · /		Sheet Flow,
11.	4 615	0.1300	0.90		Woods: Light underbrush n= 0.400 P2= 3.03" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
22.	2 715	Total			

Summary for Link L1: Wetland to the south

Inflow Area =	485,779 sf,	0.00% Impervious,	Inflow Depth > 0.16	" for 2-YR event
Inflow =	0.59 cfs @	12.71 hrs, Volume=	6,668 cf	
Primary =	0.59 cfs @	12.71 hrs, Volume=	6,668 cf, Att	en= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

Summary for Link L2: Wetland to the North

Inflow Area =		318,703 sf,	0.00% Impervious,	Inflow Depth >	0.17"	for 2-YR event
Inflow	=	0.43 cfs @ 1	12.61 hrs, Volume=	4,403 c	f	
Primary	=	0.43 cfs @ ´	12.61 hrs, Volume=	4,403 c	f, Atter	n= 0%, Lag= 0.0 min

493-PRE 2022.6.15	Type III 24-hr	10-YR Rainfall=4.59"
Prepared by The Dubay Group, Inc.		Printed 6/15/2022
HydroCAD® 10.00-26 s/n 07602 © 2020 HydroCAD Software Solutions	LLC	Page 1
Time span=0.00.20.00 hrs. $dt=0.05$ hrs	101 points	

Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points Runoff by SCS TR-20 method, UH=SCS, Weighted-CN Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment A: Subcat A	Runoff Area=485,779 sf 0.00% Impervious Runoff Depth>0.68" Flow Length=814' Tc=29.0 min CN=55 Runoff=4.47 cfs 27,654 cf
Subcatchment B: Subcat B	Runoff Area=318,703 sf 0.00% Impervious Runoff Depth>0.69" Flow Length=715' Tc=22.2 min CN=55 Runoff=3.24 cfs 18,220 cf
Link L1: Wetland to the south	Inflow=4.47 cfs 27,654 cf Primary=4.47 cfs 27,654 cf
Link L2: Wetland to the North	Inflow=3.24 cfs 18,220 cf Primary=3.24 cfs 18,220 cf
Total Runoff Area = 804,48	2 sf Runoff Volume = 45,874 cf Average Runoff Depth = 0.68" 100.00% Pervious = 804,482 sf 0.00% Impervious = 0 sf

Summary for Subcatchment A: Subcat A

Runoff = 4.47 cfs @ 12.51 hrs, Volume= 27,654 cf, Depth> 0.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 10-YR Rainfall=4.59"

	A	rea (sf)	CN [Description		
	4					
-	4	85,779		100.00% Pe	ervious Are	a
	Tc (min)	Length (feet)	Slope (ft/ft)		Capacity (cfs)	Description
_	12.7	100	0.0800	0.13		Sheet Flow,
	7.6	471	0.1700	1.03		Woods: Light underbrush n= 0.400 P2= 3.03" Shallow Concentrated Flow,
	8.7	243	0.0350	0.47		Forest w/Heavy Litter Kv= 2.5 fps Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
-	20.0	<u>81/</u>	Total			

29.0 814 Total

Summary for Subcatchment B: Subcat B

Runoff = 3.24 cfs @ 12.40 hrs, Volume= 18,220 cf, Dept	oth> 0.69"
--	------------

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 10-YR Rainfall=4.59"

_	A	rea (sf)	CN E	Description					
_	3	318,703 55 Woods, Good, HSG B							
	3	18,703	1	00.00% Pe	ervious Are	a			
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
-	10.8	100	0.1200	0.15		Sheet Flow,			
_	11.4	615	0.1300	0.90		Woods: Light underbrush n= 0.400 P2= 3.03" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps			
	22.2	715	Total						

Summary for Link L1: Wetland to the south

 Inflow Area =
 485,779 sf,
 0.00% Impervious,
 Inflow Depth >
 0.68"
 for
 10-YR event

 Inflow =
 4.47 cfs @
 12.51 hrs,
 Volume=
 27,654 cf

 Primary =
 4.47 cfs @
 12.51 hrs,
 Volume=
 27,654 cf,

Summary for Link L2: Wetland to the North

Inflow Area =		318,703 sf,	0.00% Impervious,	Inflow Depth > 0	0.69" for 10-YR event
Inflow	=	3.24 cfs @ 1	12.40 hrs, Volume=	18,220 cf	
Primary	=	3.24 cfs @ 1	12.40 hrs, Volume=	18,220 cf,	Atten= 0%, Lag= 0.0 min

493-PRE 2022.6.15	Type III 24-hr 25-	-YR Rainfall=5.82"
Prepared by The Dubay Group, Inc.		Printed 6/15/2022
HydroCAD® 10.00-26 s/n 07602 © 2020 HydroCAD Software Solution	s LLC	Page 1

Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points Runoff by SCS TR-20 method, UH=SCS, Weighted-CN Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment A: Subcat A	Runoff Area=485,779 sf 0.00% Impervious Runoff Depth>1.26" Flow Length=814' Tc=29.0 min CN=55 Runoff=9.32 cfs 50,972 cf
Subcatchment B: Subcat B	Runoff Area=318,703 sf 0.00% Impervious Runoff Depth>1.26" Flow Length=715' Tc=22.2 min CN=55 Runoff=6.82 cfs 33,561 cf
Link L1: Wetland to the south	Inflow=9.32 cfs 50,972 cf Primary=9.32 cfs 50,972 cf
Link L2: Wetland to the North	Inflow=6.82 cfs 33,561 cf Primary=6.82 cfs 33,561 cf
Total Runoff Area = 804,48	2 sf Runoff Volume = 84,533 cf Average Runoff Depth = 1.26" 100.00% Pervious = 804,482 sf 0.00% Impervious = 0 sf

Summary for Subcatchment A: Subcat A

Runoff = 9.32 cfs @ 12.47 hrs, Volume= 50,972 cf, Depth> 1.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 25-YR Rainfall=5.82"

_	A	rea (sf)	CN I	Description		
485,779 55 Woods, Good, HSG B						
_	4	85,779		100.00% Pe	ervious Are	a
	Tc (min)	Length (feet)	Slope (ft/ft)		Capacity (cfs)	Description
-	12.7	100	0.0800	0.13	\$ <i>F</i>	Sheet Flow,
	7.6	471	0.1700	1.03		Woods: Light underbrush n= 0.400 P2= 3.03" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
	8.7	243	0.0350	0.47		Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps
-	20.0	Q1/	Total			

29.0 814 Total

Summary for Subcatchment B: Subcat B

Runoff	=	6.82 cfs @	12.36 hrs.	Volume=	33,561 cf, Depth>	1.26"
rtanon		0.02 010 (0)	12.001110,	Volumo		1.20

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 25-YR Rainfall=5.82"

_	A	rea (sf)	CN E	Description					
_	3	318,703 55 Woods, Good, HSG B							
	3	18,703	1	00.00% Pe	ervious Are	a			
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
-	10.8	100	0.1200	0.15		Sheet Flow,			
_	11.4	615	0.1300	0.90		Woods: Light underbrush n= 0.400 P2= 3.03" Shallow Concentrated Flow, Forest w/Heavy Litter Kv= 2.5 fps			
	22.2	715	Total						

Summary for Link L1: Wetland to the south

 Inflow Area =
 485,779 sf,
 0.00% Impervious,
 Inflow Depth >
 1.26"
 for
 25-YR event

 Inflow =
 9.32 cfs @
 12.47 hrs,
 Volume=
 50,972 cf

 Primary =
 9.32 cfs @
 12.47 hrs,
 Volume=
 50,972 cf,

Summary for Link L2: Wetland to the North

Inflow Area	a =	318,703 sf,	0.00% Impervious,	Inflow Depth > 1.26"	for 25-YR event
Inflow	=	6.82 cfs @ 1	12.36 hrs, Volume=	33,561 cf	
Primary	=	6.82 cfs @ ´	12.36 hrs, Volume=	33,561 cf, Atte	n= 0%, Lag= 0.0 min

493-PRE 2022.6.15 Prepared by The Dubay Group, Inc. <u>HydroCAD® 10.00-26 s/n 07602 © 2020</u>	
Runoff by SC	0.00-20.00 hrs, dt=0.05 hrs, 401 points S TR-20 method, UH=SCS, Weighted-CN r-Ind method . Pond routing by Dyn-Stor-Ind method
Subcatchment A: Subcat A	Runoff Area=485,779 sf 0.00% Impervious Runoff Depth>1.89" Flow Length=814' Tc=29.0 min CN=55 Runoff=14.68 cfs 76,637 cf
Subcatchment B: Subcat B	Runoff Area=318,703 sf 0.00% Impervious Runoff Depth>1.90" Flow Length=715' Tc=22.2 min CN=55 Runoff=10.77 cfs 50,442 cf
Link L1: Wetland to the south	Inflow=14.68 cfs 76,637 cf Primary=14.68 cfs 76,637 cf

Link L2: Wetland to the North

Primary=14.68 cfs 76,637 cf

Inflow=10.77 cfs 50,442 cf Primary=10.77 cfs 50,442 cf

Total Runoff Area = 804,482 sf Runoff Volume = 127,079 cf Average Runoff Depth = 1.90" 100.00% Pervious = 804,482 sf 0.00% Impervious = 0 sf

493-PRE 2022.6.15 Prepared by The Dubay Group, Inc HydroCAD® 10.00-26 s/n 07602 © 2020	Type III 24-hr 100-YR Rainfall=8.35" Printed 6/15/2022 lydroCAD Software Solutions LLC Page 1
Runoff by SC	0.00-20.00 hrs, dt=0.05 hrs, 401 points 5 TR-20 method, UH=SCS, Weighted-CN -Ind method - Pond routing by Dyn-Stor-Ind method
Subcatchment A: Subcat A	Runoff Area=485,779 sf 0.00% Impervious Runoff Depth>2.75" Flow Length=814' Tc=29.0 min CN=55 Runoff=21.85 cfs 111,147 cf
Subcatchment B: Subcat B	Runoff Area=318,703 sf 0.00% Impervious Runoff Depth>2.75" Flow Length=715' Tc=22.2 min CN=55 Runoff=16.05 cfs 73,137 cf

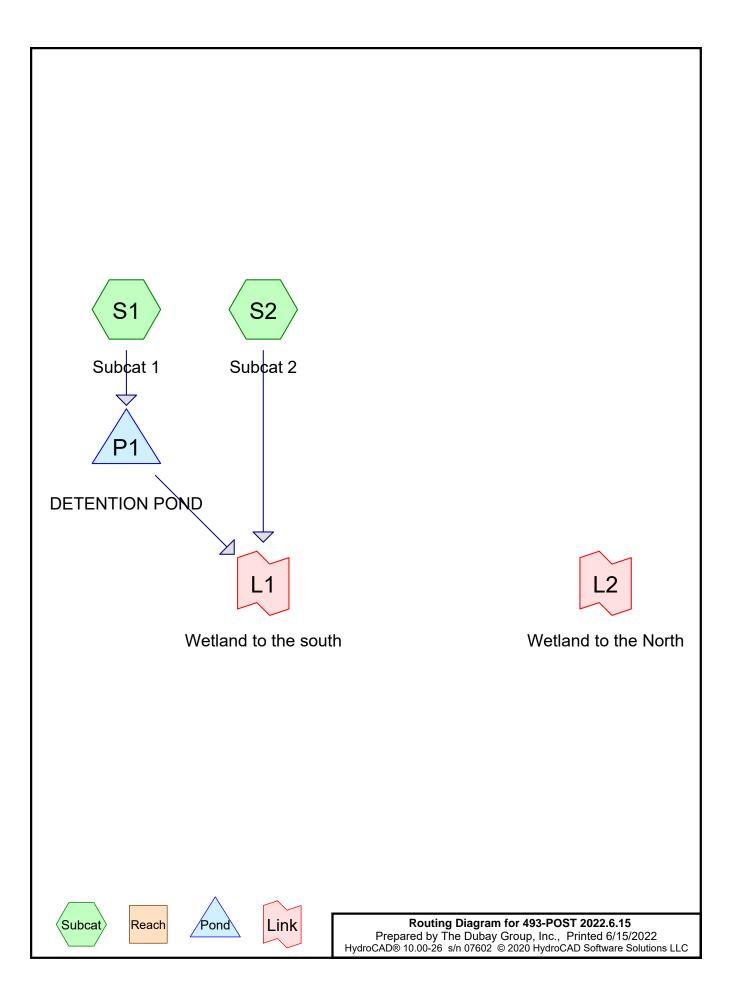
Link L1: Wetland to the south

Inflow=21.85 cfs 111,147 cf Primary=21.85 cfs 111,147 cf

Link L2: Wetland to the North

Inflow=16.05 cfs 73,137 cf Primary=16.05 cfs 73,137 cf

Total Runoff Area = 804,482 sf Runoff Volume = 184,284 cf Average Runoff Depth = 2.75" 100.00% Pervious = 804,482 sf 0.00% Impervious = 0 sf



493-POST 2022.6.15	Type III 24-hr 2-YR Rainfall=3.03"
Prepared by The Dubay Group, Inc.	Printed 6/15/2022
HydroCAD® 10.00-26 s/n 07602 © 2020 HydroCAD Software Solutions I	LC Page 2

Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points Runoff by SCS TR-20 method, UH=SCS, Weighted-CN Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment S1: Subcat 1	Runoff Area=708,508 sf 4.15% Impervious Runoff Depth>0.29" Flow Length=1,030' Tc=36.6 min CN=60 Runoff=2.04 cfs 17,148 cf
Subcatchment S2: Subcat 2	Runoff Area=95,974 sf 0.46% Impervious Runoff Depth>0.24" Tc=6.0 min CN=58 Runoff=0.29 cfs 1,932 cf
Pond P1: DETENTION POND	Peak Elev=248.29' Storage=10,412 cf Inflow=2.04 cfs 17,148 cf Outflow=0.34 cfs 7,275 cf
Link L1: Wetland to the south	Inflow=0.38 cfs 9,207 cf Primary=0.38 cfs 9,207 cf
Link L2: Wetland to the North	

Primary=0.00 cfs 0 cf

Total Runoff Area = 804,482 sf Runoff Volume = 19,080 cfAverage Runoff Depth = 0.28"96.29% Pervious = 774,641 sf3.71% Impervious = 29,841 sf

Summary for Subcatchment S1: Subcat 1

Runoff = 2.04 cfs @ 12.70 hrs, Volume= 17,148 cf, Depth> 0.29"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 2-YR Rainfall=3.03"

_	A	rea (sf)	CN E	Description		
	6	579,110	58 N	58 Meadow, non-grazed, HSG B		
4	•	29,398	98 1	:1 LEDGE	CUT	
	7	08,508	60 V	Veighted A	verage	
	679,110 95.85% Pervious Area					
		29,398	4	.15% Impe	ervious Area	a
	Тс	Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	14.5	100	0.0080	0.11		Sheet Flow,
						Grass: Short n= 0.150 P2= 3.03"
	22.1	930	0.0100	0.70		Shallow Concentrated Flow,
_						Short Grass Pasture Kv= 7.0 fps
	26.6	1 0 2 0	Tatal			

36.6 1,030 Total

Summary for Subcatchment S2: Subcat 2

Runoff = 0.29 cfs @ 12.29 hrs, Volume= 1,932 cf, Depth> 0.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 2-YR Rainfall=3.03"

	Area (sf)	CN	Description		
	95,531	58	Meadow, non-grazed, HSG B		
*	443	98	1:1 LEDGE CUT		
	95,974 95,531 443	58	58 Weighted Average 99.54% Pervious Area 0.46% Impervious Area		
(r	Tc Length min) (feet)	Slop (ft/1			

6.0

Direct Entry,

Summary for Pond P1: DETENTION POND

Inflow Area =	708,508 sf, 4.15% Impervious,	Inflow Depth > 0.29" for 2-YR event
Inflow =	2.04 cfs @ 12.70 hrs, Volume=	17,148 cf
Outflow =	0.34 cfs @ 17.43 hrs, Volume=	7,275 cf, Atten= 83%, Lag= 283.6 min
Primary =	0.34 cfs @ 17.43 hrs, Volume=	7,275 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

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Type III 24-hr 2-YR Rainfall=3.03" Printed 6/15/2022 LC Page 4

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Peak Elev= 248.29' @ 17.43 hrs Surf.Area= 36,664 sf Storage= 10,412 cf Flood Elev= 251.00' Surf.Area= 46,400 sf Storage= 102,025 cf

Plug-Flow detention time= 237.6 min calculated for 7,257 cf (42% of inflow) Center-of-Mass det. time= 126.4 min (1,014.2 - 887.8)

Volume	Inve	ert Avail.Sto	rage Stor	age Description	
#1	248.0	00' 102,02	25 cf Cus	tom Stage Data (P	rismatic)Listed below (Recalc)
Elevatio (fee 248.0 250.0 250.5	et) 00 00	Surf.Area (sq-ft) 35,425 44,000 46,400	Inc.Store (cubic-feet (79,425 22,600) (cubic-feet)) 0 5 79,425	
Device	Routing	Invert	Outlet Dev	vices	
#1	Primary	248.00'	Inlet / Out	und Culvert L= 40 let Invert= 248.00' / Flow Area= 0.79 si	247.50' S= 0.0125 '/' Cc= 0.900
#2	Primary	249.80'	10.0' long Head (fee	x 15.0' breadth B t) 0.20 0.40 0.60	road-Crested Rectangular Weir 0.80 1.00 1.20 1.40 1.60 70 2.64 2.63 2.64 2.64 2.63

Primary OutFlow Max=0.34 cfs @ 17.43 hrs HW=248.29' TW=0.00' (Dynamic Tailwater) 1=Culvert (Inlet Controls 0.34 cfs @ 1.83 fps) 2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Summary for Link L1: Wetland to the south

Inflow Area	a =	804,482 sf,	3.71% Impervious,	Inflow Depth > 0.14"	for 2-YR event
Inflow	=	0.38 cfs @ 1	16.94 hrs, Volume=	9,207 cf	
Primary	=	0.38 cfs @ 1	16.94 hrs, Volume=	9,207 cf, Atte	n= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

Summary for Link L2: Wetland to the North

[43] Hint: Has no inflow (Outflow=Zero)

Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

493-POST 2022.6.15	Type III 24-hr	10-YR Rainfall=4.59"
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Time span=0.00-20.00 hrs, dt=0.05 hrs Runoff by SCS TR-20 method, UH=SCS Reach routing by Dyn-Stor-Ind method - Pond routir	Weighted-CN	nd method

Subcatchment S1: Subcat 1	Runoff Area=708,508 sf 4.15% Impervious Runoff Depth>0.94" Flow Length=1,030' Tc=36.6 min CN=60 Runoff=9.08 cfs 55,771 cf
Subcatchment S2: Subcat 2	Runoff Area=95,974 sf 0.46% Impervious Runoff Depth>0.85" Tc=6.0 min CN=58 Runoff=1.99 cfs 6,791 cf
Pond P1: DETENTION POND	Peak Elev=248.72' Storage=26,714 cf Inflow=9.08 cfs 55,771 cf Outflow=1.76 cfs 37,605 cf
Link L1: Wetland to the south	Inflow=1.99 cfs 44,396 cf Primary=1.99 cfs 44,396 cf

Link L2: Wetland to the North

Primary=0.00 cfs 0 cf

Total Runoff Area = 804,482 sf Runoff Volume = 62,562 cfAverage Runoff Depth = 0.93"96.29% Pervious = 774,641 sf3.71% Impervious = 29,841 sf

Summary for Subcatchment S1: Subcat 1

Runoff = 9.08 cfs @ 12.59 hrs, Volume= 55,771 cf, Depth> 0.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 10-YR Rainfall=4.59"

_	A	rea (sf)	CN E	Description		
		579,110		,	on-grazed,	HSG B
*		29,398	98 1	:1 LEDGE	CUT	
	7	08,508	60 V	Veighted A	verage	
	6	579,110	g	5.85% Per	vious Area	
	29,398 4.15% Impervious Area			.15% Impe	ervious Area	а
	Tc	Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	14.5	100	0.0080	0.11		Sheet Flow,
						Grass: Short n= 0.150 P2= 3.03"
	22.1	930	0.0100	0.70		Shallow Concentrated Flow,
						Short Grass Pasture Kv= 7.0 fps
	20.0	1 0 0 0	Tatal			

36.6 1,030 Total

Summary for Subcatchment S2: Subcat 2

Runoff = 1.99 cfs @ 12.11 hrs, Volume= 6,791 cf, Depth> 0.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 10-YR Rainfall=4.59"

	Area (sf)	CN	Description
	95,531	58	Meadow, non-grazed, HSG B
*	443	98	1:1 LEDGE CUT
	95,974	58	Weighted Average
	95,531		99.54% Pervious Area
	443		0.46% Impervious Area
Та	Longth	Clan	Velecity Conceity Description
To	5	Slope	
(min)) (feet)	(ft/ft) (ft/sec) (cfs)

6.0

Direct Entry,

Summary for Pond P1: DETENTION POND

Inflow Area =	708,508 sf, 4.15% Impervious,	Inflow Depth > 0.94" for 10-YR event
Inflow =	9.08 cfs @ 12.59 hrs, Volume=	55,771 cf
Outflow =	1.76 cfs @ 14.51 hrs, Volume=	37,605 cf, Atten= 81%, Lag= 115.5 min
Primary =	1.76 cfs @ 14.51 hrs, Volume=	37,605 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

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Peak Elev= 248.72' @ 14.51 hrs Surf.Area= 38,523 sf Storage= 26,714 cf Flood Elev= 251.00' Surf.Area= 46,400 sf Storage= 102,025 cf

Plug-Flow detention time= 182.1 min calculated for 37,511 cf (67% of inflow) Center-of-Mass det. time= 109.2 min (964.7 - 855.5)

Volume	Inve	ert Avail.Sto	rage Storag	e Description		
#1	248.0	00' 102,02	25 cf Custo	5 cf Custom Stage Data (Prismatic)Listed below (Recalc)		
Elevatio (fee 248.0 250.0 250.5	et) 00 00	Surf.Area (sq-ft) 35,425 44,000 46,400	Inc.Store (cubic-feet) 0 79,425 22,600	Cum.Store (cubic-feet) 0 79,425 102,025		
Device	Routing	Invert	Outlet Devic	es		
#1	Primary	248.00'		d Culvert L= 40.0' k		
#2	Primary	249.80'	Inlet / Outlet Invert= 248.00' / 247.50' S= 0.0125 '/' Cc= 0.900 n= 0.012, Flow Area= 0.79 sf 10.0' long x 15.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63			

Primary OutFlow Max=1.76 cfs @ 14.51 hrs HW=248.72' TW=0.00' (Dynamic Tailwater) 1=Culvert (Inlet Controls 1.76 cfs @ 2.89 fps) 2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Summary for Link L1: Wetland to the south

Inflow Area	a =	804,482 sf,	3.71% Impervious,	Inflow Depth > 0).66" for 10	-YR event
Inflow	=	1.99 cfs @ 1	12.11 hrs, Volume=	44,396 cf		
Primary	=	1.99 cfs @ 1	12.11 hrs, Volume=	44,396 cf,	Atten= 0%,	Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

Summary for Link L2: Wetland to the North

[43] Hint: Has no inflow (Outflow=Zero)

Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

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Runoff by SC	n=0.00-20.00 hrs, dt=0.05 hrs, 401 points CS TR-20 method, UH=SCS, Weighted-CN cor-Ind method - Pond routing by Dyn-Stor-Ind method
Subcatchment S1: Subcat 1	Runoff Area=708,508 sf 4.15% Impervious Runoff Depth>1.62" Flow Length=1,030' Tc=36.6 min CN=60 Runoff=16.57 cfs 95,621 cf
Subcatchment S2: Subcat 2	Runoff Area=95,974 sf 0.46% Impervious Runoff Depth>1.49" Tc=6.0 min CN=58 Runoff=3.85 cfs 11,932 cf
Pond P1: DETENTION POND	Peak Elev=249.21' Storage=46,088 cf Inflow=16.57 cfs 95,621 cf Outflow=3.19 cfs 70,492 cf
Link L1: Wetland to the south	Inflow=3.87 cfs 82,423 cf Primary=3.87 cfs 82,423 cf
Link L2: Wetland to the North	Primary=0.00 cfs_0 cf

Total Runoff Area = 804,482 sf Runoff Volume = 107,552 cf Average Runoff Depth = 1.60"96.29% Pervious = 774,641 sf3.71% Impervious = 29,841 sf

Summary for Subcatchment S1: Subcat 1

Runoff = 16.57 cfs @ 12.56 hrs, Volume= 95,621 cf, Depth> 1.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 25-YR Rainfall=5.82"

_	A	rea (sf)	CN E	Description		
	6	579,110	58 N	leadow, no	on-grazed,	HSG B
*		29,398	98 1	:1 LEDGE	CUT	
	7	08,508	60 V	Veighted A	verage	
	6	79,110	g	5.85% Pei	vious Area	
	29,398 4.15% Impervious Area			.15% Impe	ervious Area	a
		Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	14.5	100	0.0080	0.11		Sheet Flow,
						Grass: Short n= 0.150 P2= 3.03"
	22.1	930	0.0100	0.70		Shallow Concentrated Flow,
						Short Grass Pasture Kv= 7.0 fps
	26.6	1 0 2 0	Total			

36.6 1,030 Total

Summary for Subcatchment S2: Subcat 2

Runoff = 3.85 cfs @ 12.10 hrs, Volume= 11,932 cf, Depth> 1.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr 25-YR Rainfall=5.82"

Α	rea (sf)	CN I	Description		
	95,531	58 I	Meadow, no	on-grazed,	HSG B
*	443	98 ⁻	1:1 LEDGE	CUT	
	95,974	58 \	Neighted A	verage	
	95,531		99.54% Per		a
	443	().46% Impe	ervious Area	ea
_					
Tc	Length	Slope	,	Capacity	1
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	

6.0

Direct Entry,

Summary for Pond P1: DETENTION POND

Inflow Area =	708,508 sf, 4.15% Impervious,	Inflow Depth > 1.62" for 25-YR event
Inflow =	16.57 cfs @ 12.56 hrs, Volume=	95,621 cf
Outflow =	3.19 cfs @ 14.10 hrs, Volume=	70,492 cf, Atten= 81%, Lag= 93.0 min
Primary =	3.19 cfs @ 14.10 hrs, Volume=	70,492 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

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Type III 24-hr 25-YR Rainfall=5.82" Printed 6/15/2022 LLC Page 3

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Peak Elev= 249.21' @ 14.10 hrs Surf.Area= 40,622 sf Storage= 46,088 cf Flood Elev= 251.00' Surf.Area= 46,400 sf Storage= 102,025 cf

Plug-Flow detention time= 176.0 min calculated for 70,492 cf (74% of inflow) Center-of-Mass det. time= 113.7 min (957.1 - 843.4)

Volume	Inv	ert Avail.Sto	rage Stor	rage Description	_		
#1	248.0	00' 102,02	25 cf Cus	stom Stage Data (Prismatic)Listed below (Recalc)			
Elevatio (fee 248.0 250.0 250.5	et) 00 00	Surf.Area (sq-ft) 35,425 44,000 46,400	Inc.Stor (cubic-feet 79,42 22,60	t) (cubic-feet) 0 0 5 79,425			
Device	Routing	Invert	Outlet De	evices			
#1	Primary	248.00'	Inlet / Out	Dund Culvert L= 40.0' Ke= 0.500 tlet Invert= 248.00' / 247.50' S= 0.0125 '/' Cc= 0.900 , Flow Area= 0.79 sf	-		
#2	Primary	rimary 249.80' 10. Hea		10.0' long x 15.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63			

Primary OutFlow Max=3.19 cfs @ 14.10 hrs HW=249.21' TW=0.00' (Dynamic Tailwater) 1=Culvert (Inlet Controls 3.19 cfs @ 4.06 fps) 2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Summary for Link L1: Wetland to the south

Inflow Area	a =	804,482 sf,	3.71% Impervious,	Inflow Depth > 1.23"	for 25-YR event
Inflow	=	3.87 cfs @ 1	12.10 hrs, Volume=	82,423 cf	
Primary	=	3.87 cfs @ 1	12.10 hrs, Volume=	82,423 cf, Atte	en= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

Summary for Link L2: Wetland to the North

[43] Hint: Has no inflow (Outflow=Zero)

Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

493-POST 2022.6.15	Type III 24-hr	50-YR Rainfall=6.97"
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		-

Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points Runoff by SCS TR-20 method, UH=SCS, Weighted-CN Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment S1: Subcat 1	Runoff Area=708,508 sf 4.15% Impervious Runoff Depth>2.34" Flow Length=1,030' Tc=36.6 min CN=60 Runoff=24.48 cfs 138,027 cf
Subcatchment S2: Subcat 2	Runoff Area=95,974 sf 0.46% Impervious Runoff Depth>2.18" Tc=6.0 min CN=58 Runoff=5.81 cfs 17,466 cf
Pond P1: DETENTION POND	Peak Elev=249.78' Storage=69,981 cf Inflow=24.48 cfs 138,027 cf Outflow=4.28 cfs 101,048 cf
Link L1: Wetland to the south	Inflow=5.97 cfs 118,514 cf Primary=5.97 cfs 118,514 cf
Link L2: Wetland to the North	

Primary=0.00 cfs 0 cf

Total Runoff Area = 804,482 sf Runoff Volume = 155,493 cf Average Runoff Depth = 2.32"96.29% Pervious = 774,641 sf3.71% Impervious = 29,841 sf

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Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points Runoff by SCS TR-20 method, UH=SCS, Weighted-CN Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method					
Subcatchment S1: Subcat 1	Runoff Area=708,508 sf 4.15% Impervious Runoff Depth>3.28" Flow Length=1,030' Tc=36.6 min CN=60 Runoff=34.75 cfs 193,713 cf				
Subcatchment S2: Subcat 2	Runoff Area=95,974 sf 0.46% Impervious Runoff Depth>3.10" Tc=6.0 min CN=58 Runoff=8.39 cfs 24,795 cf				
Pond P1: DETENTION POND	Peak Elev=250.20' Storage=88,294 cf Inflow=34.75 cfs 193,713 cf Outflow=11.74 cfs 148,241 cf				

Link L1: Wetland to the south

Inflow=12.57 cfs 173,035 cf Primary=12.57 cfs 173,035 cf

Link L2: Wetland to the North

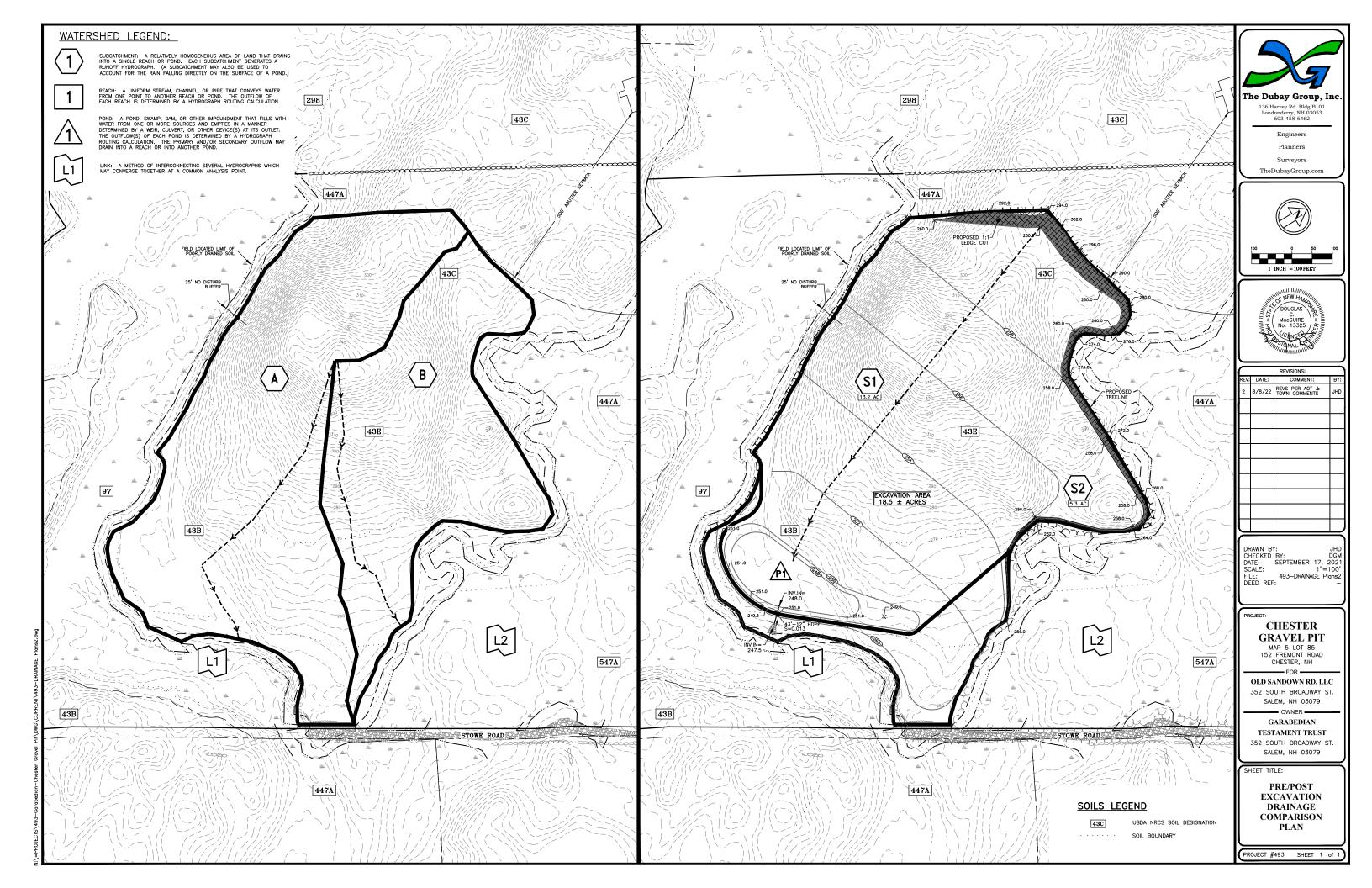
Primary=0.00 cfs 0 cf

Total Runoff Area = 804,482 sf Runoff Volume = 218,508 cf Average Runoff Depth = 3.26"96.29% Pervious = 774,641 sf3.71% Impervious = 29,841 sf

Stormwater Management Report

VI. DRAINAGE AREA PLANS

A. Pre/Post Excavation Drainage Comparison Plan



Stormwater Management Report

VII. GROUNDWATER MONITORING PROGRAM

NHDES GROUNDWATER MONITORING REPORT

Chester Gravel Pit

Excavation Plans

Map 5 Lot 85 Fremont Road Chester, New Hampshire 03036

PREPARED FOR:

Old Sandown Road, LLC 352 South Broadway Street Salem, New Hampshire 03053

PREPARED BY:



The Dubay Group, Inc.

136 Harvey Road Bldg B101 Londonderry, NH 03053 P: 603-458-6462 www.TheDubayGroup.com

April 5, 2022





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IV. SUPPLEMENTAL WELL DATA

- a. All wells & public water systems within 2,000 feet map
- b. List of all properties within 2,000 feet
- c. List of wells & public water systems within 2,000 feet as found on NHDES OneStop
- d. Well Water Reports for wells and public water systems to be sampled

Groundwater Monitoring Report

I. GROUNDWATER MONITORING PLAN



GROUNDWATER MONITORING PLAN FOR

CHESTER GRAVEL PIT

AoT Permit for Name of Property in Chester, NH

Date: April 5, 2022

The Dubay Group, Inc. has prepared this Groundwater Monitoring Plan to address the requirement of the Alteration of Terrain Permit (AoT Permit) for the proposed Chester Gravel Pit for Old Sandown Road, LLC located on Fremont Road in Chester, NH.

1. Development of Groundwater Monitoring Program in Support of AoT Permit

The Groundwater Monitoring Plan monitors the potential impact to private and public water supply wells that may result from blasting of bedrock when quantities exceed 5,000 cubic yards, a Groundwater Monitoring Program must be developed and submitted to the New Hampshire Department of Environmental Services (NHDES).

The Groundwater Monitoring Program must:

- 1. Identify all private and public water supply wells and their owners within a 2,000-ft. radius of the proposed blasting area;
- 2. Specify how owners will be contacted and how permission will be obtained to access the wells for sampling;
- 3. Propose specific baseline and extended groundwater analytical and laboratory sampling limits to be used for monitoring groundwater before and after blasting;
- 4. Define specific sampling methods, sample preservation, sample storage, sample transportation and chain-of custody protocol;
- 5. Define a sampling schedule for the identified public and private wells within a 2,000-ft. radius that could potentially be impacted by the blasting operation. This will include a pre-blasting baseline sampling event followed by additional post-blasting sampling events; and

Define the reporting requirements and schedule for submittals.

2. Site and Project Description

The proposed project is to consist of a proposed gravel excavation operation.

3. Bedrock Blasting

The purpose of this project is to excavate and produce gravel produces. The total quantity of blast rock to be generate will exceed 5,000 cy.

Figure 1 illustrates the approximate blasting limits with Cut & Fill Analysis.

4. Public and Private Bedrock Wells Within a 2,000-ft. Radius of the Proposed Blasting Area

There are numerous properties and wells within 2,000 feet of the proposed blasting area. All properties are apparently not serviced by municipal water. They utilize private supply wells (bedrock wells) for potable water. After consultation with NHDES, 10 wells have been chosen to be sampled as a representation of the wells within 2,000 feet of the blast area. These properties are summarized in Table 1 below:

Street Address	Lot	Owner(s)	Comment	State Well
	Designation			ID WRB#
74 Emerson Rd	5-80-12	Lynn Ann Boutin	Private Residence	044.0905
104 Fremont Rd	8-69	Louie Guglielmo	Private Residence	044.0248
126 Fremont Rd	8-72	John J. & Gloria J. Pelozi	Private Residence	044.1063
14 Crawford Rd	8-70-1	Thomas & Lindsey Paton	Private Residence	044.0543
159 Fremont Rd	8-74	Charles & Nancy Myette	Private Residence	044.0901
		Myette Family Rev Trust		
205 Fremont Rd	9-23	William L. Gallant	Private Residence	044.0269
(Mailing: 183 Fremont Rd)				
232 Fremont Rd	9-21-3	Chesterbrook School of	Non-Transient	PWS ID:
		Natural Learning c/o Leon	Non-Community	435080
		Joseph Surrette Jr & Sarah	System	
		Surrette		
28 Shetland Rd	6-17-19	Edwin & Chistianne	Private Residence	044.1088
		Karjara		
41 Shetland Rd	6-17-13	Jason & Sarah St Jean	Private Residence	044.0934
Route 121A-Scott Ln, Sandown	6-16	Pine Acres Condos	Community	PWS ID:
(Mailing: 4 Scott Ln, Sandown)		c/o Brian Wheelock	System	2082040

Table 1-Properties Within a 2,000-ft. Radius of Blast Area TO BE SAMPLED

A lot layout plan illustrating the above properties is attached as Figure 2

A full list of properties and wells with 2,000 feet of the proposed blasting area can be found in Section IV.

5. Notification and Request for Property Access

All residential property owners identified in Table 1 will be contacted by mail. The mailing will:

- 1. Request permission to access the property for the purpose of sampling the water supply well on property;
- 2. Explain why the sampling is being requested;
- 3. Explain the sampling method to be used (i.e. from an outdoor or indoor faucet);
- 4. Inform the owner(s) that multiple sampling events will be required;
- 5. Provide a tentative sampling schedule; and

6. Indicate that the owner(s) will be provided with copies of all laboratory analytical data as soon as available.

Following issuance of the original mailing, each property owner will be contacted 2-3 days before the scheduled sampling event. The water supply wells of property owners denying access, will not be sampled as part of the Groundwater Monitoring Program. Property owners who do not respond to the initial mailing will be contacted again by telephone, second mailing or other means. If there is still not a response from a representative sampling of well owners within the 2000 ft radius, additional entities should be notified to request inclusion in the monitoring program.

6. Proposed Sampling Method

The water supply wells at each property will be sampled from an outdoor or indoor faucet, as available. If possible, groundwater samples will be collected before passing through any on-site treatment/filter system (e.g. water softener). The water will be run for a minimum of 30 minutes prior to sample collection. This will serve to purge the well and allow a fresh recharge of groundwater into the well that is representative of aquifer conditions at the time of sampling.

All samples will be collected in containers provided by the laboratory, preserved as required, stored on ice, and transported to the analytical laboratory within holding times under chain-of –custody protocol.

7. Proposed Analytical Parameters

The analytical parameters required for the Groundwater Monitoring Program include nitrates and nitrites. However, should "elevated" concentrations of nitrates and nitrites be identified during any monitoring event conducted during or following the blasting program, the required analytical parameter list will be expanded to include Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs). The term "elevated" concentrations means the detections of nitrates and nitrites at levels anomalously exceeding those identified during the baseline sampling event (i.e., the pre-blasting sampling event).

8. Proposed Sampling Schedule

The groundwater sampling schedule will include the following events:

- 1. A pre-blasting sampling event to measure baseline concentrations of nitrates and nitrites;
- 2. A sampling event (or events) conducted during the blasting program. One sampling event per month will be conducted throughout the duration of the blasting program; and
- 3. A minimum of two (2) sampling events at 1-month intervals following completion of the blasting program.

Sampling frequency would be increased at the direction of the New Hampshire DES should anomalously high levels of nitrates and nitrites be identified at any sampling location.

9. Reporting Schedule

Reporting of groundwater quality data from each sampling event will be completed immediately upon receipt of the laboratory analytical results. Copies of the reports will be sent to the following recipients:

- New Hampshire DES, Alteration of Terrain Bureau;
- New Hampshire DES, Drinking and Groundwater Bureau;
- Old Sandown Road, LLC (the client);
- TBD (contracted construction company);
- All property owners participating in the sampling program.

10. Agent Contact Information for Questions and Coordination:

Name: Doug MacGuire

Engineering/ Consulting Firm (if applicable): The Dubay Group, Inc.

Position: Vice President

Phone Number: 603-458-6462

Email Address: doug@thedubaygroup.com

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II. FIGURE 1: Cut/Fill Analysis Plan

NHDES BLASTING NOTES:

*A GROUNDWATER MONITORING PLAN MUST BE DEVELOPED IF LEDGE IS ENCOUNTERED ON SITE AND EXPECTED TO EXCEED 5,000 CUBIC Y ARDS OF BLAST MATERIAL. THE MONITORING PLAN MUST BE REVIEWED AND APPROVED BY NHEDS FRIOR TO COMMENCING TING OPERATIONS

ALL ACTIVITIES RELATED TO BLASTING SHALL FOLLOW BEST MANAGEMENT PRACTICES (BMP+) TO PREVENT CONTAMINATION OF GROUNDWATER INCLUDING PREPARING, REVERVING AND FOLLOWING AN APPROVED BLASTING PLAY: RFORER DRILING, EXPLOSIVE HANDLING AND LOADING PROCEDURES; OBSERVING THE ENTIRE BLASTING PROCEDURES; EVALUATING BLASTING PERFORMANCE; AND HANDLING AND STORAGE OF BLASTED FOCK.

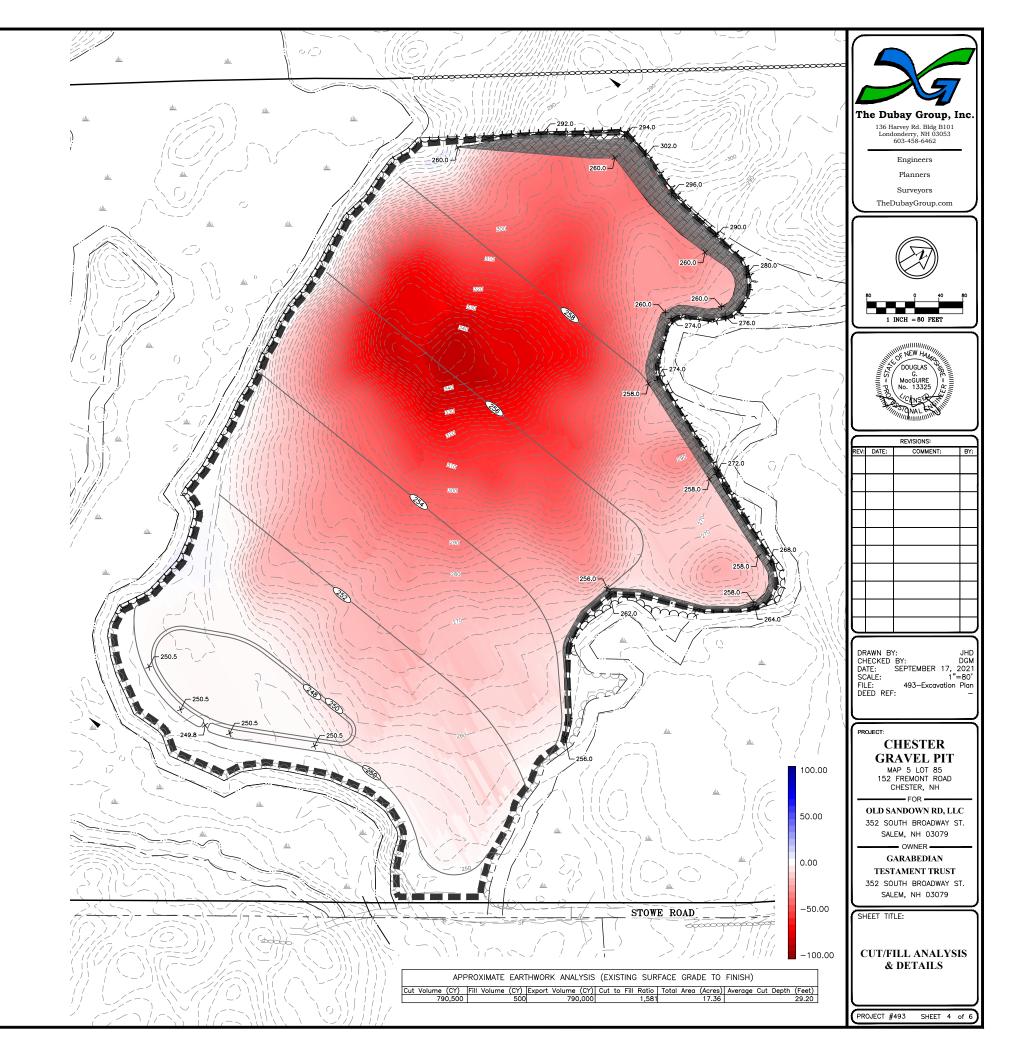
- LOADING PRACTICES: THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED:
- DRILLING LOGS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INDICATE DEPTHS AND LENGTHS OF VODS, CAVITES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTER AS WELL AS GROUNDWATER

- AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTER AS WELL AS GROUNDWATER CONDITIONS. EXPLOSIVE PRODUCTS SHALL BE MANAGED ON-SITE SO THAT THEY ARE ETHER USED IN THE DEPENDENT OF THE DEPENDENT OF HANDLING OR PLACEMENT IN HELDERED ROUND THE BORFHOLE SHALL ETHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO AN APROPRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-SITE DISPOSAL LOADED EXPLOSIVE SHALL BE DETONATED AS SOON AS POSSILE AND SHALL NOT BE LEFT IN THE BLASTHOLES OVERNICHT, UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE POSTPORED. LOADED EXPLOSIVE SHALL BE CLEANED IN AM AREA WHERE WASTEWATER CAN BE REASONABLY TO THE EWROMENT. CONTAININTS TO THE EWROMENT.
- EXPLOSIVE SELECTION: THE FOLLOWING BMPs SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR GROUNDWATER CONTAMINATION WHEN EXPLOSIVES ARE USED.
- EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EXECUTION. EXPLOSIVE PROJUCTS SHALL BE SELECTED THAT HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE CONDITIONS PRESENT TO MINIMIZE THE POTENTIAL FOR HAZARDOUS EFFECT OF THE FROLUCT UPON GROUNDWATER.
- PREVENTION OF MISFIRES: APPROPRIATE PRACTICES SHALL BE DEVELOPED AND IMPLEMENTED TO PREVENT MISFIRES.
- MUCK FILE MANAGEMENT: MUCK PILES (THE BLASTED PIECES OF ROCK) AND ROCK PILES SHALL BE MANAGED IN A MANNER TO REDUCE THE POTENTIAL FOR CONTAMINATION BY IMPLEMENTING THE FOLLOWING MEASURES:
- REMOVE THE MUCK PILE FROM THE BLAST AREA AS SOON AS REASONABLY POSSIBLE. MANAGE THE INTERACTION OF BLASTED ROCK PILES AND STORWWATER TO PREVENT CONTAMINATION OF WATER SUPPLY WELLS OR SUFRACE WATER.
- SPILL PREVENTION MEASURES AND SPILL MITIGATION: SPILL PREVENTION AND SPILL MITGATION MEASURES SHALL BE IMPLEMENTED TO PREVENT THE RELEASE OF FUEL AND OTHER RELATED SUBSTANCES TO THE ENVIRONMENT. THE MEASURES SHALL INCLUDE AT A MINIMUM.

- MINIMUM:
 A. THE FUEL STORAGE REQUIREMENTS SHALL INCLUDE:
 1. STORAGE OF REGULATED SUBSTANCES ON AN IMPERVIOUS SURFACE.
 2. SECURE STORAGE AREAS AGAINST INAUTHORIZED ENTRY.
 3. LABEL REQULATED CONTAINERS CLEARLY AND VISIBLY.
 4. INSPECT STORAGE AREAS WEERLY.
 5. COVER REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS.
 6. WHEREVER POSSIBLE, KEEP REGULATED CONTAINERS THAT ARE STORED OUTSIDE MORE THAN 50 FEET FROM SURFACE WATER AND STORM DRAINS, 75 FEET FROM PRIVATE WELLS, AND 400 FEET FROM PUBLIC WELLS.
 7. SECONDARY CONTAINMENT IS REQUIRED FOR CONTAINERS REQULATED SUBSTANCES STORAGE TOTAINE RESULATED CONTAINERS CONTAINING REQULATED SUBSTANCES TORAGE TO UTSIDE SUBSTANCES STORED OUTSIDE SUBSTANCES STORED OUTSIDE SUBSTANCES TORAGE TOR ON PUBLIC WELLS.
 7. SECONDARY CONTAINMENT IS REQUIRED FOR CONTAINERS CONTAINING REQULATED SUBSTANCES STORED OUTSIDE SUBSTANCES STORED OUTSIDE TANKS, OR ABOVERGUND OR UNDERCROUND STORAGE TANKS OTHERWISE REGULATED.
- THE FUEL HANDLING REQUIREMENTS SHALL INCLUDE: 1) EXCEPT WHEN IN USE, KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED.
- CLOSED AND SEALED. 9 PLACE DRP PANS UNDER SPIGOTS, VALVES, AND PUMPS. 3) HAVE SPILL CONTROL AND CONTINIMENT EQUIPMENT READILY AVAILABLE IN ALL WORK AREAS. 4) USE FUNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES. 5) PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE.
- THE TRAINING OF ON-SITE EMPLOYEES AND THE ON-SITE POSTING OF RELEASE RESPONSE INFORMATION DESCRIBING WHAT TO DO IN THE EVENT OF A SPILL OF REGULATED SUBSTANCES.
- FUELING AND MINITERANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION RELATED EQUIPMENT WILL COMPLY WITH THE REGULATIONS OF THE NEW HAMFSHIRE DEPARTMENT OF ENVIRONMENTIAL SERVICES (NOTE THESE REQUIREMENTS ARE SUMMARZED IN WO-DWGB-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT. (SEE http://des.nh.gov/organization/commissoner/pip/factaheets/dwgb/ documents/dwgb-22-6.pt])

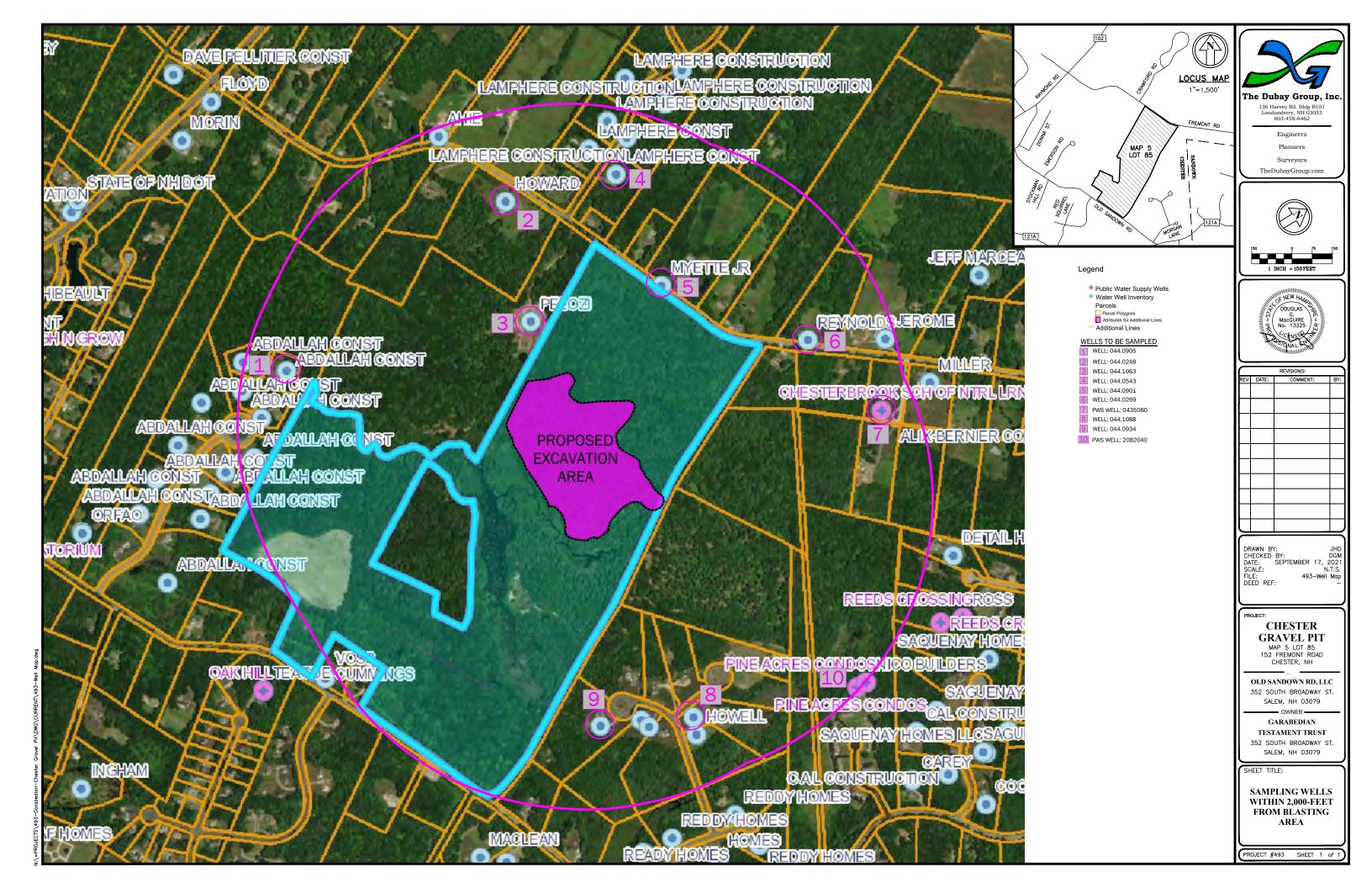


CONSTRUCTION ZONE SIGN OR APPROVED EQUAL



Groundwater Monitoring Report

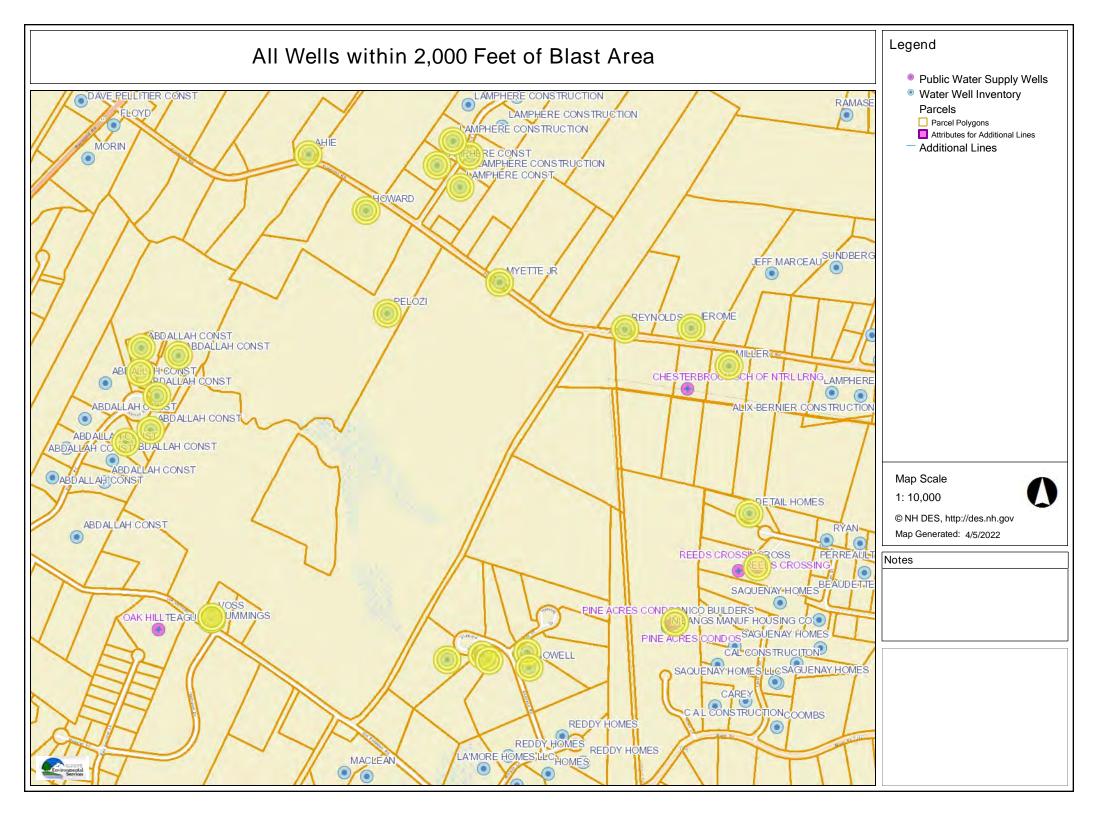
III. FIGURE 2: Wells & Public Water Systems Within 2,000 Feet To Be Sampled



Groundwater Monitoring Report

IV. SUPPLEMENTAL WELL DATA

- a. All wells & public water systems within 2,000 feet map
- b. List of all properties within 2,000 feet
- c. List of wells & public water systems within 2,000 feet as found on NHDES OneStop
- d. Well Water Reports for wells and public water systems to be sampled



Parcel Number	Property Address	Owner Name	Owner Address	City	Stat e	Zip
005-080-004	54 EMERSON RD	HAGGART, SHAWN & REBECCA	54 EMERSON RD	CHESTER	NH	03036
005-080-005	70 EMERSON RD	ANDERSON, KRISTINE & SCOTT	70 EMERSON RD	CHESTER	NH	03036
005-080-006	EMERSON RD	ABDALLAH CONSTRUCTION CORP	PO BOX 367	CHESTER	NH	03036
005-080-011	72 EMERSON RD	MELO, ALFREDO & PATRICIA	72 EMERSON RD	CHESTER	NH	03036
005-080-012	74 EMERSON RD	BOUTIN, LYNN ANN	74 EMERSON RD	CHESTER	NH	03036
005-080-013	67 EMERSON RD	LEFEBVRE, MARIANNE & TROY	67 EMERSON RD	CHESTER	NH	03036
005-080-014	65 EMERSON RD	CURRIE, J. CHRISTOPHER & ANGEL CURRIE FAMILY TRUST	65 EMERSON RD	CHESTER	NH	03036
005-082-000	163 OLD SANDOWN RD	CHASE, DEBORAH	163 OLD SANDOWN RD	CHESTER	NH	03036
005-083-000	STOWE RD	LEWIS BUILDERS, INC	54 SAWYER AVE	ATKINSON	NH	03811
005-084-000	189 OLD SANDOWN RD	WAGNER, THOMAS & VOSS, MARGARET MARGARET VOSS REVOC TRUST	PO BOX 274	CHESTER	NH	03036
005-084-001	199 OLD SANDOWN RD	ARTHUR, SUZANNE & SCOTT	199 OLD SANDOWN ROAD	CHESTER	NH	03036
006-016-000	SANDOWN RD	PINE ACRES CONDOMINIUIM ASSOCIATION C/O BRIAN WHEELOCK	4 SCOTT LN	SANDOWN	NH	03036
006-017-001	265 OLD SANDOWN RD	SHACKELFORD, MICHAEL R & SHACKELFORD, SUSAN M	265 OLD SANDOWN RD	CHESTER	NH	03036
006-017-002	281 OLD SANDOWN RD	YOUNG, MARY & THEODORE	281 OLD SANDOWN RD	CHESTER	NH	03036
006-017-011	31 SHETLAND RD	TILLEY, WILLIAM & ROBERTA TILLEY FAMILY REVOCABLE TRST	31 SHETLAND RD	CHESTER	NH	03036
006-017-012	37 SHETLAND RD	PALLEO(TRSTEES), JOHN & SUSAN PALLEO REVOC TRUST(S)	37 SHETLAND RD	CHESTER	NH	03036
006-017-013	41 SHETLAND RD	ST JEAN, JASON & SARAH	41 SHETLAND RD	CHESTER	NH	03036
006-017-014	45 SHETLAND RD	R & K OFCARCIK FAMILY TRST	45 SHETLAND RD	CHESTER	NH	03036
006-017-015	11 HACKNEY DR	DOBBINS, ELIZABETH & EPHRIAM DOBBINS REVOC TRST	11 HACKNEY DR	CHESTER	NH	03036
006-017-016	HACKNEY DR	DOBBINS, EPHRAIM & ELIZABETH DOBBINS REVOC TRST	11 HACKNEY DR	CHESTER	NH	03036
006-017-017	17 HACKNEY DR	MASSERO RICHARD W MASSERO KELLY	17 HACKNEY RD	CHESTER	NH	03036
006-017-018	HACKNEY DR	MASSERO, RICHARD W MASSERO KELLY	17 HACKNEY DR	CHESTER	NH	03036
006-017-019	28 SHETLAND RD	KARJALA, EDWIN & CHRISTIANNE	28 SHETLAND RD	CHESTER	NH	03036
006-017-020	24 SHETLAND RD	BECK, JAMES & CARLA	24 SHETLAND RD	CHESTER	NH	03036
006-018-000	STOWE RD	WEST, RICHARD	843 GOULD HILL RD	CONTOOCOOK	NH	03229
006-019-000	STOWE RD	CHESTER, TOWN OF	84 CHESTER ST	CHESTER	NH	03036
008-066-000	54 FREMONT RD	DONIGIAN, JACOB	134 CHESTER ROAD	FREMONT	NH	03044
008-066-001	46 FREMONT RD	ISACCO, PAUL & ANNE	46 FREMONT RD	CHESTER	NH	03036
008-067-000	59 FREMONT RD	LAHEY, PATRICK M & LAHEY, SHERI- LYN	59 FREMONT RD	CHESTER	NH	03036
008-067-001	75 FREMONT RD	LESSARD, ARIELLE	75 FREMONT RD	CHESTER	NH	03036

008-068-000	93 FREMONT RD	HEALEY, ROBERT HEALEY, BARBARA	93 FREMONT RD	CHESTER	NH	03036
008-069-000	104 FREMONT RD	GUGLIELMO, LOUIE	104 FREMONT ROAD	CHESTER	NH	03036
008-069-001 84 FREMONT RD		GUGLIELMO, LOUIE GUGLIELMO, ALBERT	84 FREMONT RD	CHESTER	NH	03036
008-070-000	107 FREMONT RD	GUGLIEMO, ALBERT	84 FREMONT RD	CHESTER	NH	03036
008-070-001	14 CRAWFORD RD	PATON, THOMAS & LINDSAY	14 CRAWFORD RD	CHESTER	NH	03036
008-070-002	19 CRAWFORD RD	CARR, STEVEN M & CARR, STEPHANIE L	19 CRAWFORD RD	CHESTER	NH	03036
008-070-003	30 CRAWFORD RD	HORNING, SYLVIE & HORNING, DANIEL D	30 CRAWFORD RD	CHESTER	NH	03036
008-070-004	31 CRAWFORD RD	GILON, MICHAEL (TRUSTEE) LEA GILON IRREVOC TRUST	31 CRAWFORD RD	CHESTER	NH	03036
008-071-000	127 FREMONT RD	SAUNDERS, ERIK & TILTON, ALYSSA	127 FREMONT RD	CHESTER	NH	03036
008-072-000	126 FREMONT RD	PIROZZI, JOHN J & PIROZZI, GLORIA J	126 FREMONT RD	CHESTER	NH	03030
008-073-000	143 FREMONT RD	SALMON, MORGAN	143 FREMONT RD	CHESTER	NH	0303
008-074-000	159 FREMONT RD	MYETTE, CHARLES & NANCY MYETTE FAMILY REVOC TRUST	159 FREMONT RD	CHESTER	NH	03036
008-075-000	FREMONT RD	MYETTE, CHARLES & NANCY MYETTE FAMILY REVOC TRUST	159 FREMONT RD	CHESTER	NH	03036
008-075-001	173 FREMONT RD	PARIS, R J & PARIS, SHIRLEY	173 FREMONT RD	CHESTER	NH	0303
009-021-001	200 FREMONT RD	STEENBRUGGEN, DEREK & MEGHAN	200 FREMONT RD	CHESTER	NH	03036
009-021-002	218 FREMONT RD	MALONE, BRIAN W	218 FREMONT ROAD	CHESTER	NH	0303
009-021-003	232 FREMONT RD	SURRETTE JR, LEON JOSEPH	232 FREMONT RD	CHESTER	NH	0303
009-022-000	183 FREMONT RD	GALLANT, WILLIAM L	183 FREMONT RD	CHESTER	NH	0303
009-023-000	205 FREMONT RD	GALLANT, WILLIAM L	183 FREMONT RD	CHESTER	NH	0303
009-024-000	231 FREMONT RD	MAZZAGLIA, VINCENT & SUSAN	231 FREMONT RD	CHESTER	NH	0303
21-37-03	41 ALLEN ST	MORASSE, TIMOTHY & MORASSE, TRINA	41 ALLEN STREET	SANDOWN	NH	03873
21-37-03-1	42 ALLEN ST	CLARK, DIANNA & GREGORY	42 ALLEN ST	SANDOWN	NH	0387
21-37-09	20 LEXINGTON DR	DUMONT RICHARD & NATASHA	20 LEXINGTON DR	SANDOWN	NH	0387
21-37-10	22 LEXINGTON DR	MOKRAY WALTER & SUSAN TRUSTEES MOKRAY FAMILY TRUST	PO BOX 213	SANDOWN	NH	0387
21-37-4-6	28-38 ALLEN ST					_
21-66	ALLEN ST (CHESTER) OFF	MALONE, BRIAN W	218 FREMONT RD	CHESTER	NH	0303
21-67	ALLEN ST	SURRETTE, LEON JOSEPH JR.	232 FREMONT ROAD	CHESTER	NH	0303
21-68	ALLEN ST	MILLER PAUL & BARBARA TRUSTEES THE MILLER FAMILY REV. TRUST	242 FREMONT RD	CHESTER	NH	0303

FIGURE 1: ALL WELLS WITHIN 2,000 FEET OF BLAST AREA

211.0195RTE 121ASANDOWNSMALL COMMUNITY WATER SUPPLY435080232FREMONT ROADCHESTERNON-TRANSIENT NON COMMUNITY044.091472EMERSON ROADCHESTERDOMESTIC DRINKING WATER044.1063126FREMONT ROADCHESTERDOMESTIC DRINKING WATER044.108428SHETLAND RDCHESTERDOMESTIC DRINKING WATER044.104724SHETLAND RDCHESTERDOMESTIC DRINKING WATER044.093937SHETLAND ROADCHESTERDOMESTIC DRINKING WATER044.093441SHETLAND ROADCHESTERDOMESTIC DRINKING WATER044.102333WILCOMB'S WAYCHESTERDOMESTIC DRINKING WATER044.1120247SANDOWN ROADCHESTERDOMESTIC DRINKING WATER044.1123247SANDOWN ROADCHESTERDOMESTIC DRINKING WATER044.1130231SANDOWN ROADCHESTERDOMESTIC DRINKING WATER044.1043272OLD SANDOWN ROADCHESTERDOMESTIC044.0132189OLD SANDOWN ROADCHESTERDOMESTIC044.0132189OLD SANDOWN RDCHESTERDOMESTIC044.073430EMERSON RDCHESTERDOMESTIC044.073433EMERSON RDCHESTERDOMESTIC044.073434EMERSON RDCHESTERDOMESTIC044.073546EMERSON RDCHESTERDOMESTIC044.073454EMERSON RDCHESTERDOMESTIC044.073546E
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044.0765 75 FREMONT RD CHESTER DOMESTIC
044.0543 14 CRAWFORD MEADOW CHESTER DOMESTIC
044.0544 19 CRAWFORD MEADOW CHESTER DOMESTIC
044.0326 31 CRAWFORD RD CHESTER DOMESTIC
044.0305 30 CRAWFORD RD CHESTER DOMESTIC
044.0316 46 CRAWFORD RD CHESTER DOMESTIC
044.0304 43 CRAWFORD RD CHESTER DOMESTIC
044.0592 66 CRAWFORD HEIGHT CHESTER DOMESTIC
044.0718 91 CRAWFORD MEADOW CHESTER DOMESTIC
044.0901 159 FREMONT RD CHESTER DOMESTIC
044.0269 205 FREMONT RD CHESTER DOMESTIC
044.0478 231 FREMONT RD CHESTER DOMESTIC
044.0823 FREMONT RD CHESTER DOMESTIC

044.0539 41	MORGAN LN	CHESTER	DOMESTIC
044.0537 44	MORGAN LN	CHESTER	DOMESTIC
044.0357 30	MORGAN LN	CHESTER	DOMESTIC
044.0538 23	MORGAN LN	CHESTER	DOMESTIC
044.0365 19	MORGAN LN	CHESTER	DOMESTIC
044.0358 20	MORGAN LN	CHESTER	DOMESTIC
044.0520 12	MORGAN LN	CHESTER	DOMESTIC
044.0506 254	SANDOWN RD	CHESTER	DOMESTIC
044.0530 25	WELLS VILLAGE RD	CHESTER	DOMESTIC
044.0384 211	SANDOWN RD	CHESTER	DOMESTIC
044.0367 177	SANDOWN RD	CHESTER	DOMESTIC
044.0533 189	OLD SANDOWN RD	CHESTER	DOMESTIC

ALL PUBLIC WATER SYSTEMS WITHIN 2,000 FEET FROM BLASTING AREA

Master ID	Public Water System ID	System Name	Address	Town	Population	Yield
14051	2082040	PINE ACRES CONDOS	RTE 121A	SANDOWN	90	89
51822	2082030	REEDS CROSSING	ALLEN ST	SANDOWN	40	0
51822	2082030	REEDS CROSSING	ALLEN ST	SANDOWN	40	85
71454	435080	CHESTERBROOK SCH OF NTRL LRNG	232 FREMONT RD	CHESTER	38	4
14051	2082040	PINE ACRES CONDOS	RTE 121A	SANDOWN	90	76

			l
Well Id (WRB#):	044.0248	Date Completed:	08/02/1993
Name and Location:	S. HOWARD 104 FREMONT RD	Total Depth:	475 ft
<u>Mapit</u>	CHESTER	Depth to Bedrock:	40 ft
Tax Map No:	8	Casing:	61 ft
Lot No:	69	Tested Yield:	17 gal/min
Туре:	DRILLED IN BEDROCK	Static Water Level:	10 ft
Use:	DOMESTIC;	Measured Yield After Development:	

Driller License No:	299	Driller Well Id:	24516
Name and Address:	A & W ARTESIAN WELL CO OF VT PO BOX 549 WOONSOCKET RI 02895	Current License Status:	Inactive
Email:		Phone Number:	800-637-3500

			<u> </u>
Well Id (WRB#):	044.0269	Date Completed:	12/09/1993
Name and Location:	C. REYNOLDS 205 FREMONT RD	Total Depth:	205 ft
<u>Mapit</u>	CHESTER	Depth to Bedrock:	10 ft
Tax Map No:	9	Casing:	18 ft
Lot No:	23	Tested Yield:	50 gal/min
Туре:	DRILLED IN BEDROCK	Static Water Level:	15 ft
Use:	DOMESTIC;	Measured Yield After Development:	

Driller License No:	141	Driller Well Id:	764
Name and Address:	E M YOUNG WELL COMPANY 36 PELHAM RD SALEM NH 03079	Current License Status:	Active
Email:	JYOUNGWELL@GMAIL.COM	Phone Number:	603-898-2504

			<u> </u>
Well Id (WRB#):	044.0543	Date Completed:	01/06/1998
Name and Location:	LAMPHERE CONST 14 CRAWFORD MEADOW	Total Depth:	320 ft
<u>Mapit</u>	CHESTER	Depth to Bedrock:	32 ft
Tax Map No:	8	Casing:	40 ft
Lot No:	70-1	Tested Yield:	6 gal/min
Туре:	DRILLED IN BEDROCK	Static Water Level:	15 ft
Use:	DOMESTIC;	Measured Yield After Development:	

Driller License No:	1543	Driller Well Id:	12105
	SKILLINGS & SONS INC 9 COLUMBIA DR AMHERST NH 03031	Current License Status:	Active
F		Dhara Neathar	

Email: NSKILLINGS@SKILLINGSANDSONS.COM

Phone Number: 603-889-5009

Well Id (WRB#):	044.0901	Date Completed:	11/29/2010
Name and Location:	C. F. MYETTE JR 159 FREMONT RD	Total Depth:	600 ft
<u>Mapit</u>	CHESTER	Depth to Bedrock:	64 ft
Tax Map No:	9	Casing:	80 ft
Lot No:	21	Tested Yield:	20 gal/min
Type:	DRILLED IN BEDROCK	Static Water Level:	
Use:	DOMESTIC;	Measured Yield After Development:	

Driller License No:	225	Driller Well Id:	10226
Name and Address:	CAPITAL WELL CO INC 150 CONCORD STAGE RD DUNBARTON NH 03046	Current License Status:	Active
Email:	JDRAGON@CAPITALWELL.COM	Phone Number:	603-774-6155

			1
Well Id (WRB#):	044.0905	Date Completed:	03/02/2011
Name and Location:	ABDALLAH CONST EMERSON RD	Total Depth:	405 ft
<u>Mapit</u>	CHESTER	Depth to Bedrock:	10 ft
Tax Map No:	5-80	Casing:	40 ft
Lot No:	12	Tested Yield:	10 gal/min
Туре:	DRILLED IN BEDROCK	Static Water Level:	35 ft
Use:	DOMESTIC;	Measured Yield After Development:	

Driller License No:	141	Driller Well Id:	
Name and Address:	E M YOUNG WELL COMPANY 36 PELHAM RD SALEM NH 03079	Current License Status:	Active
Email:	JYOUNGWELL@GMAIL.COM	Phone Number:	603-898-2504

1	of	1

Well Id (WRB#):	044.0934	Date Completed:	07/27/2012
Name and Location:	UNKNOWN NAME 41 SHETLAND ROAD	Total Depth:	100 ft
<u>Mapit</u>	CHESTER	Depth to Bedrock:	12 ft
Tax Map No:	6	Casing:	30 ft
Lot No:	17-13	Tested Yield:	50 gal/min
Туре:	BEDROCK (DRILLED)	Static Water Level:	4 ft
Use:	DOMESTIC DRINKING WATER; OPEN LOOP GEOTHERMAL	Measured Yield After Development:	

Driller License No:	364	Driller Well Id:	364-20112830
Name and Address:	FAXON'S ARTESIAN WELLS & PUMPS 81 HAMPSTEAD RD SANDOWN NH 03873	Current License Status:	Inactive
Email:		Phone Number:	603-887-8169

Well Id (WRB#):	044.1063	Date Completed:	02/24/2017
Name and Location:	GLORIA PELOZI 126 FREMONT ROAD	Total Depth:	240 ft
<u>Mapit</u>	CHESTER	Depth to Bedrock:	15 ft
Tax Map No:	08	Casing:	30 ft
Lot No:	072	Tested Yield:	12 gal/min
Туре:	BEDROCK (DRILLED)	Static Water Level:	08 ft
Use:	DOMESTIC DRINKING WATER;	Measured Yield After Development:	

Driller License No:	1768	Driller Well Id:	839598
Name and Address:	FAXON WELL 81 HAMPSTEAD RD SANDOWN NH 03873-2415	Current License Status:	Active
Email:	LFAXON84@GMAIL.COM	Phone Number:	603-887-8169

1	of	1

Well Id (WRB#):	044.1088	Date Completed:	06/01/2018
Name and Location:	UNKNOWN NAME 28 SHETLAND RD	Total Depth:	180 ft
<u>Mapit</u>	CHESTER	Depth to Bedrock:	35 ft
Tax Map No:	6	Casing:	51 ft
Lot No:	17-19	Tested Yield:	20 gal/min
Туре:	BEDROCK (DRILLED)	Static Water Level:	
Use:	DOMESTIC DRINKING WATER; DOMESTIC DRINKING WATER	Measured Yield After Development:	

Driller License No:	1768	Driller Well Id:	2018349
Name and Address:	FAXON WELL 81 HAMPSTEAD RD SANDOWN NH 03873-2415	Current License Status:	Active
Email:	LFAXON84@GMAIL.COM	Phone Number:	603-887-8169

4/4/2022	
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System Type:	NON-TRANSIENT NON-COMMUNITY
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System Name and Address: CHESTERBROOK SCH OF NTRL LRNG 232 FREMONT RD CHESTER

PWS ID: 435080

System Category: DAY CARE
System Status: Active

Population Served: 38

Startup Date: 09-2018

Service Connections: 2

Permits to Operate (4)						
Year	Effective Date	Expiration date	Date Certificate Issued	Permit	Application	
2023	07/01/2022	06/30/2023			<u>Show</u>	
2022	07/01/2021	06/30/2022	05/19/2021	<u>Show</u>	<u>Show</u>	
2021	07/01/2020	06/30/2021	09/10/2020	<u>Show</u>	<u>Show</u>	
2020	07/01/2019	06/30/2020	08/20/2019	<u>Show</u>	<u>Show</u>	

Contacts (3)						
Туре	Name and Address	Phone	Primary Contact			
	CHESTERBROOK SCH OF NTRL LRNG LEON JOSEPH SURRETTE 232 FREMONT RD CHESTER NH 03036	603-489-9776	NO			
	HAMPSTEAD AREA WATER CO RICHARD BIBEAU 54 SAWYER AVE ATKINSON NH 03811	603-362-1941	NO			
	CHESTERBROOK SCH OF NTRL LRNG SARAH SURRETTE 232 FREMONT RD CHESTER NH 03036	603-489-9776	YES			

Lead and Copper 90th Percentile (2)							
Compliance Begin Date Frequency Monitoring Round Lead 90th Percentile Copper 90th Percentile Calculated Date							
07/01/2019	Semi-Annual	2	.001	.267	09/13/2019		
01/01/2019	Semi-Annual	1	.001	.201	02/28/2019		

135	08	0
	135	13508

System Type: NON-TRANSIENT NON-COMMUNITY

System Name and Address: CHESTERBROOK SCH OF NTRL LRNG 232 FREMONT RD CHESTER

<u>Mapit</u>

System Category: DAY CARE System Status: Active

Startup Date: 09-2018

Service Connections: 2

Population Served: 38

	Samples (57)						
	Note: Only samples processed by laboratories that report samples electronically are shown here.						
Collected Date	Sampling Location	Sample Number	Sample Type	Laboratory			
02/08/2022	001-NATURE PRESCHOOL SINK	<u>122020625.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
02/08/2022	501-DEP TAP AF TRT/001	<u>122020627.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
11/09/2021	001-NATURE PRESCHOOL SINK	<u>121110965.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
11/09/2021	501-DEP TAP AF TRT/001	<u>121110968.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
11/09/2021	501-DEP TAP AF TRT/001	<u>121110969.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
11/09/2021	501-DEP TAP AF TRT/001	<u>121110970.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
11/09/2021	501-DEP TAP AF TRT/001	<u>121110971.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
08/16/2021	001-NATURE PRESCHOOL SINK	<u>121081740.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
08/16/2021	501-DEP TAP AF TRT/001	<u>121081742.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
05/10/2021	501-DEP TAP AF TRT/001	<u>121050987.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
05/10/2021	001-NATURE PRESCHOOL SINK	<u>121050991.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
03/08/2021	501-DEP TAP AF TRT/001	<u>121030810.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
03/08/2021	501-DEP TAP AF TRT/001	<u>121030811.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
02/09/2021	001-NATURE PRESCHOOL SINK	<u>121020821.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
11/09/2020	501-DEP TAP AF TRT/001	<u>120110902.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
11/09/2020	501-DEP TAP AF TRT/001	<u>120110903.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
11/09/2020	501-DEP TAP AF TRT/001	<u>120110904.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
11/09/2020	501-DEP TAP AF TRT/001	<u>120110905.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
11/09/2020	001-NATURE PRESCHOOL SINK	<u>120110909.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
08/10/2020	001-NATURE PRESCHOOL SINK	<u>120081083.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
08/10/2020	501-DEP TAP AF TRT/001	<u>120081086.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
05/06/2020	001-NATURE PRESCHOOL SINK	<u>120050489.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
05/06/2020	501-DEP TAP AF TRT/001	<u>120050490.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
02/12/2020	501-DEP TAP AF TRT/001	<u>120020897.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			
02/12/2020	001-NATURE PRESCHOOL SINK	<u>120020898.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
11/13/2019	001-NATURE PRESCHOOL SINK	<u>119111390.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC			
11/13/2019	501-DEP TAP AF TRT/001	<u>119111401.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC			

PWS ID:	435080
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Mapit

System Name and Address: CHESTERBROOK SCH OF NTRL LRNG

232 FREMONT RD CHESTER

System Type: NON-TRANSIENT NON-COMMUNITY

System Status: Active

System Category: DAY CARE

Startup Date: 09-2018

Service Connections: 2

Population Served: 38

			Samples (57)	
	Note: Only	samples processed I	by laboratories that report samples electronic	cally are shown here.
Collected Date	Sampling Location	Sample Number	Sample Type	Laboratory
11/13/2019	501-DEP TAP AF TRT/001	<u>119111402.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC
11/13/2019	501-DEP TAP AF TRT/001	<u>119111403.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC
11/13/2019	501-DEP TAP AF TRT/001	<u>119111404.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC
09/09/2019	001-RESIDENCE KITCHEN SINK	<u>119090869.01</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
09/09/2019	002-NATURE PRESCHOOL SINK	<u>119090869.02</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
09/09/2019	003-FOREST HOUSE / HIGH SINK	<u>119090869.03</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
09/09/2019	004-FOREST HOUSE / LOW LEFT SINK	<u>119090869.04</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
09/09/2019	005-FOREST HOUSE / LOW RIGHT SINK	<u>119090869.05</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
08/30/2019	ODEP TAP	<u>119083640.01</u>	GENERAL SYSTEM EVALUATION SAMP	NELSON ANALYTICAL LLC
08/13/2019	501-DEP TAP AF TRT/001	<u>119081557.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC
08/13/2019	501-DEP TAP AF TRT/001	<u>119081558.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC
08/13/2019	001-NATURE PRESCHOOL SINK	<u>119081561.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC
06/05/2019	501-DEP TAP AF TRT/001	<u>119060611.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC
05/06/2019	001-NATURE PRESCHOOL SINK	<u>119050605.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC
05/06/2019	501-DEP TAP AF TRT/001	<u>119050608.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC
03/14/2019	ORESIDENT FAUCET (001)	<u>119031197.01</u>	GENERAL SYSTEM EVALUATION SAMP	NELSON ANALYTICAL LLC
03/14/2019	ORAW WATER (WELL)	<u>119031197.02</u>	GENERAL SYSTEM EVALUATION SAMP	NELSON ANALYTICAL LLC
02/07/2019	001-RESIDENCE KITCHEN SINK	<u>119020593.01</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
02/07/2019	002-NATURE PRESCHOOL SINK	<u>119020593.02</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
02/07/2019	003-FOREST HOUSE / HIGH SINK	<u>119020593.03</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
02/07/2019	004-FOREST HOUSE / LOW LEFT SINK	<u>119020593.04</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
02/07/2019	005-FOREST HOUSE / LOW RIGHT SINK	<u>119020593.05</u>	LEAD AND COPPER RULE	NELSON ANALYTICAL LLC
02/06/2019	001-NATURE PRESCHOOL SINK	<u>119020434.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC
01/23/2019	001-RESIDENCE KITCHEN SINK	<u>119011901.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC
01/09/2019	001-RESIDENCE KITCHEN SINK	<u>119010780.01</u>	CHEMICAL MONITORING	NELSON ANALYTICAL LLC
11/19/2018	001-NATURE PRESCHOOL SINK	<u>118111793.01</u>	TOTAL COLIFORM RULE	NELSON ANALYTICAL LLC

System Type: NON-TRANSIENT NON-COMMUNITY

System Name and Address: CHESTERBROOK SCH OF NTRL LRNG 232 FREMONT RD CHESTER

PWS ID: 435080

System Category: DAY CARE

System Status: Active

Population Served: 38

Startup Date: 09-2018

Service Connections: 2

	Samples (57)							
	Note: Only samples processed by laboratories that report samples electronically are shown here.							
Collected Date Sampling Location Sample Number Sample Type Laboratory								
11/19/2018 001-RESIDENCE KITCHEN SINK 118111794.01 CHEMICAL MONITORING NE			NELSON ANALYTICAL LLC					
11/19/2018 001-RESIDENCE KITCHEN SINK 118111795.01 CHEMICAL MONITORING			NELSON ANALYTICAL LLC					
11/19/2018 001-RESIDENCE KITCHEN SINK <u>118111796.01</u> CHEMICAL MONITORING N			NELSON ANALYTICAL LLC					
11/19/2018	001-RESIDENCE KITCHEN SINK	<u>118111797.01</u>	CHEMICAL MONITORING	1	NELSON ANALYTIC	AL LLC		
			Violations (5)					
	Violation Description	Contamir	nant or Rule	Violation Month	Violation Year	Begin Date	Returned to Compliance	Regulator

Violation Description	Contaminant or Rule	Violation Month	Violation Year	Begin Date	Returned to Compliance	Regulator
FAILURE TO PAY PTO FEE	FAILURE TO PAY PTO FEE	7	2020	07/01/2020	08/27/2020	STATE
MCL / SAMPLE AVERAGE VIOLATION	ARSENIC	7	2019	07/01/2019	01/31/2020	FEDERAL
FAILURE TO PAY PTO FEE	FAILURE TO PAY PTO FEE	7	2019	07/01/2019	08/19/2019	STATE
MCL / SAMPLE AVERAGE VIOLATION	ARSENIC	1	2019	01/01/2019	06/03/2019	FEDERAL
CERTIFIED OPERATOR VIOLATION	CERTIFIED OPERATOR VIOLATION	11	2018	11/02/2018	12/11/2018	STATE

PWS ID:	2082040	System Type:	COMMUNITY SYSTEM		
System Name and Address:	RTE 121A	System Category:	CONDOMINIUMS		
<u>Mapit</u>	SCOTT LN SANDOWN	System Status:	Active	Startup Date:	
		Population Served:	90	Service Connections:	36

Permits to Operate (17)					
Year	Effective Date	Expiration date	Date Certificate Issued	Permit	Application
2023	07/01/2022	06/30/2023	03/29/2022	<u>Show</u>	<u>Show</u>
2022	07/01/2021	06/30/2022	05/28/2021	<u>Show</u>	<u>Show</u>
2021	07/01/2020	06/30/2021	05/12/2020	<u>Show</u>	<u>Show</u>
2020	07/01/2019	06/30/2020	07/31/2019	<u>Show</u>	<u>Show</u>
2019	07/01/2018	06/30/2019	04/13/2018	<u>Show</u>	<u>Show</u>
2018	07/01/2017	06/30/2018	04/10/2017	<u>Show</u>	<u>Show</u>
2017	07/01/2016	06/30/2017	04/18/2016	<u>Show</u>	<u>Show</u>
2016	07/01/2015	06/30/2016	07/13/2015	<u>Show</u>	<u>Show</u>
2015	07/01/2014	06/30/2015	08/21/2014	<u>Show</u>	<u>Show</u>
2014	07/01/2013	06/30/2014	06/04/2013	<u>Show</u>	<u>Show</u>
2013	07/01/2012	06/30/2013	06/12/2012	<u>Show</u>	<u>Show</u>
2012	07/01/2011	06/30/2012	08/01/2011	<u>Show</u>	<u>Show</u>
2011	07/01/2010	06/30/2011	06/10/2010	<u>Show</u>	<u>Show</u>
2010	07/01/2009	06/30/2010	07/20/2009	<u>Show</u>	<u>Show</u>
2009	07/01/2008	06/30/2009	06/10/2008	<u>Show</u>	<u>Show</u>
2008	07/01/2007	06/30/2008	06/13/2007	<u>Show</u>	<u>Show</u>
2007	07/01/2006	06/30/2007	07/10/2006	<u>Show</u>	<u>Show</u>

Contacts (3)					
Туре	Name and Address	Phone	Primary Contact		
	PINE ACRES TOWNHOUSE CONDOMINIUMS BRIAN WHEELOCK 4 SCOTT LN SANDOWN NH 03873	603-475-1855	NO		
	GRANITE STATE ANALYTICAL CORBIN KENNEDY 22 MANCHESTER RD UT 2 DERRY NH 03038	603-432-3044	NO		
	BRIGS LLC CHRISTINA ABREAU PO BOX 970075 BOSTON MA 02297	603-403-5294	YES		

PWS ID:	2082040	System Type:	COMMUNITY SYSTEM		
System Name and Address:	PINE ACRES CONDOS RTE 121A	System Category:	CONDOMINIUMS		
<u>Mapit</u>	SCOTT LN SANDOWN	System Status:	Active	Startup Date:	
		Population Served:	90	Service Connections:	36

Lead and Copper 90th Percentile (13)						
Compliance Begin Date	Frequency	Monitoring Round	Lead 90th Percentile	Copper 90th Percentile	Calculated Date	
01/01/2021	Triennial (once every 3 yrs.)	13	.001	.028	11/03/2021	
01/01/2018	Triennial (once every 3 yrs.)	12	0	.049	12/12/2018	
01/01/2015	Triennial (once every 3 yrs.)	11	0	.033	11/12/2015	
01/01/2012	Triennial (once every 3 yrs.)	10	.001	.067	12/18/2012	
01/01/2009	Triennial (once every 3 yrs.)	9	.002	.02	11/18/2009	
01/01/2006	Triennial (once every 3 yrs.)	8	.005	.1	11/21/2006	
01/01/2003	Triennial (once every 3 yrs.)	7	.005	.259	01/15/2004	
01/01/2000	Triennial (once every 3 yrs.)	6	.005	.325	03/30/2001	
01/01/1997	Annual	5	.005	.854	02/05/1998	
01/01/1996	Annual	4	.001	.001	06/03/1996	
01/01/1995	Annual	3	.001	.001	11/14/1995	
01/01/1994	Semi-Annual	2	.001	.011	11/30/1994	
07/01/1993	Semi-Annual	1	.01	.2	03/29/1994	

PWS ID: 20	82040
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System Name and Address: PINE ACRES CONDOS RTE 121A Mapit SCOTT LN SANDOWN System Type: COMMUNITY SYSTEM

System Category: CONDOMINIUMS

System Status: Active

Population Served: 90

Service Connections: 36

Startup Date:

Samples (211) Note: Only samples processed by laboratories that report samples electronically are shown here. Collected Date Sampling Location Sample Number Sample Type Laboratory 012-UT 3 GARAGE OUTSIDE TAP 2202-01187-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 02/09/2022 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2202-01188-001 CHEMICAL MONITORING 02/09/2022 GRANITE STATE ANALYTICAL SERVICES LLC 002 11/19/2021 012-UT 3 GARAGE OUTSIDE TAP 2111-03173-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 10/20/2021 001-UNIT 29 2110-03482-001 LEAD AND COPPER RULE GRANITE STATE ANALYTICAL SERVICES LLC 013-UNIT 2 LEAD AND COPPER RULE GRANITE STATE ANALYTICAL SERVICES LLC 10/20/2021 2110-03482-002 014-UNIT 13 2110-03482-003 LEAD AND COPPER RULE 10/20/2021 GRANITE STATE ANALYTICAL SERVICES LLC 016-UNIT 20 2110-03482-005 LEAD AND COPPER RULE GRANITE STATE ANALYTICAL SERVICES LLC 10/20/2021 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 10/19/2021 2110-03182-001 002 10/19/2021 015-UNIT 28 2110-03482-004 LEAD AND COPPER RULE GRANITE STATE ANALYTICAL SERVICES LLC 08/09/2021 001-UT 8 2108-01327-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2108-01343-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 08/09/2021 002 08/09/2021 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2108-01344-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 05/11/2021 001-UT 8 2105-01575-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC GRANITE STATE ANALYTICAL SERVICES LLC 05/11/2021 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2105-01576-001 CHEMICAL MONITORING 002 05/11/2021 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2105-01577-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 05/11/2021 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2105-01578-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 05/11/2021 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2105-01579-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 05/11/2021 301-UNIT 8 2105-01580-001 DISINFECTION BYPRODUCT GRANITE STATE ANALYTICAL SERVICES LLC 001-POST SOFTENER 03/04/2021 2103-00621-001 GENERAL SYSTEM EVALUATION SAMP GRANITE STATE ANALYTICAL SERVICES LLC 02/11/2021 001-UT 8 2102-01233-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC GRANITE STATE ANALYTICAL SERVICES LLC 02/11/2021 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2102-01247-001 CHEMICAL MONITORING 002 11/03/2020 001-UT 8 2011-00319-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC

PWS	ID:	2082040

System Name and Address: PINE ACRES CONDOS RTE 121A Mapit SCOTT LN SANDOWN System Type: COMMUNITY SYSTEM

System Category: CONDOMINIUMS

System Status: Active

Population Served: 90

Service Connections: 36

Startup Date:

Samples (211) Note: Only samples processed by laboratories that report samples electronically are shown here. Collected Date Sampling Location Sample Number Sample Type Laboratory 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2011-00320-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 11/03/2020 002 08/25/2020 501-NON TRTED TAP /PUMPHOUSE/001 002 2008-03703-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 08/06/2020 001-UT 8 2008-00853-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 08/06/2020 2008-00854-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 001-UT 8 05/22/2020 2005-02514-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 GRANITE STATE ANALYTICAL SERVICES LLC 04/07/2020 2004-00601-001 CHEMICAL MONITORING 002 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 04/07/2020 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2004-00602-001 002 04/07/2020 501-NON TRTED TAP /PUMPHOUSE/001 002 2004-00606-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 02/20/2020 001-UT 8 2002-01816-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 02/13/2020 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 2002-01249-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 02/13/2020 501-NON TRTED TAP /PUMPHOUSE/001 002 2002-01250-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 12/05/2019 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1912-00428-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 GRANITE STATE ANALYTICAL SERVICES LLC 001-UNIT 8 1911-01565-001 TOTAL COLIFORM RULE 11/14/2019 501-NON TRTED TAP /PUMPHOUSE/001 002 11/14/2019 1911-01566-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 08/20/2019 001-UNIT 8 1908-02799-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 08/20/2019 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1908-02800-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 05/07/2019 001-UNIT 8 1905-00846-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1905-00848-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 05/07/2019 002 05/07/2019 GRANITE STATE ANALYTICAL SERVICES LLC 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1905-00849-001 CHEMICAL MONITORING 002 05/07/2019 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1905-00851-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 1902-00632-001 02/07/2019 001-UNIT 8 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 02/07/2019 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1902-00633-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002

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05/08/2018

05/08/2018

05/08/2018

05/08/2018

05/08/2018

02/22/2018

02/22/2018

11/07/2017

11/07/2017

08/04/2017

08/02/2017

05/15/2017

05/15/2017

001-UNIT 8

301-UNIT 8

001-UNIT 8

001-UNIT 8

011-UNIT 8 /KITCHEN SINK

011-UNIT 8 /KITCHEN SINK

002

002

002

002

002

002

002

502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001

5 of 12

				o y 1			
	PWS ID:	2082040		Sy	vstem Type:	COMMUNITY SYSTEM	
Syste	em Name and Address:	PINE ACRES CONDOS RTE 121A		Syster	n Category:	CONDOMINIUMS	
	<u>Mapit</u>	SCOTT LN SANDOWN		Sys	tem Status:	Active	Startup Date:
				Populat	ion Served:	90	Service Connections: 36
				Samples (211)			
		Note: Only s	samples processed b	y laboratories that report samples electro	onically are	shown here.	
Collected Date	Sampl	ing Location	Sample Number	Sample Type		Li	aboratory
12/04/2018	006-UNIT 33		<u>1812-00321-002</u>	LEAD AND COPPER RULE	GRANIT	E STATE ANALYTICAL SE	ERVICES LLC
12/04/2018	007-UNIT 31		<u>1812-00321-003</u>	LEAD AND COPPER RULE	GRANIT	E STATE ANALYTICAL SE	ERVICES LLC
12/04/2018	008-UNIT 8		<u>1812-00321-004</u>	LEAD AND COPPER RULE	GRANIT	E STATE ANALYTICAL SE	ERVICES LLC
12/04/2018	012-UNIT 6		<u>1812-00321-005</u>	LEAD AND COPPER RULE	GRANIT	E STATE ANALYTICAL SE	ERVICES LLC
12/03/2018	005-UNIT 35		<u>1812-00321-001</u>	LEAD AND COPPER RULE	GRANIT	E STATE ANALYTICAL SE	ERVICES LLC
11/19/2018	001-UNIT 8		<u>1811-01900-001</u>	TOTAL COLIFORM RULE	GRANIT	E STATE ANALYTICAL SE	ERVICES LLC
	502-DEP TAP PH/ AFT 002	ER AS TRTMT/BLEND 001	<u>1811-01901-001</u>	CHEMICAL MONITORING	GRANIT	E STATE ANALYTICAL SE	ERVICES LLC
	502-DEP TAP PH/ AFT 002	ER AS TRTMT/BLEND 001	<u>1809-03515-001</u>	CHEMICAL MONITORING	GRANIT	E STATE ANALYTICAL SE	ERVICES LLC
08/23/2018	001-UNIT 8		<u>1808-03424-001</u>	TOTAL COLIFORM RULE	GRANIT	E STATE ANALYTICAL SE	ERVICES LLC

TOTAL COLIFORM RULE

CHEMICAL MONITORING

CHEMICAL MONITORING

CHEMICAL MONITORING

TOTAL COLIFORM RULE

CHEMICAL MONITORING

TOTAL COLIFORM RULE

CHEMICAL MONITORING

CHEMICAL MONITORING

TOTAL COLIFORM RULE

TOTAL COLIFORM RULE

CHEMICAL MONITORING

DISINFECTION BYPRODUCT

GRANITE STATE ANALYTICAL SERVICES LLC

GRANITE STATE ANALYTICAL SERVICES LLC GRANITE STATE ANALYTICAL SERVICES LLC

GRANITE STATE ANALYTICAL SERVICES LLC

GRANITE STATE ANALYTICAL SERVICES LLC

GRANITE STATE ANALYTICAL SERVICES LLC

GRANITE STATE ANALYTICAL SERVICES LLC

1805-01114-001

1805-01115-001

1805-01116-001

1805-01117-001

1805-01118-001

1802-01746-001

1802-01747-001

1711-00733-001

1711-00734-001

1708-00699-001

1708-00380-001

1705-01870-001

1705-01872-001

PWS ID:	2082040
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System Name and Address: PINE ACRES CONDOS RTE 121A Mapit SCOTT LN SANDOWN System Type: COMMUNITY SYSTEM

System Category: CONDOMINIUMS

System Status: Active

Population Served: 90

Service Connections: 36

Startup Date:

	Samples (211)					
	Note: Only samples processed by laboratories that report samples electronically are shown here.					
Collected Date	Sampling Location	Sample Number	Sample Type	Laboratory		
05/15/2017	502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002	<u>1705-01873-001</u>	CHEMICAL MONITORING	GRANITE STATE ANALYTICAL SERVICES LLC		
02/16/2017	011-UNIT 8 /KITCHEN SINK	<u>1702-01233-001</u>	TOTAL COLIFORM RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
02/16/2017	O-1-RAW	<u>1702-01234-001</u>	GENERAL SYSTEM EVALUATION SAMP	GRANITE STATE ANALYTICAL SERVICES LLC		
02/16/2017	O-2-MIDPOINT	<u>1702-01234-002</u>	GENERAL SYSTEM EVALUATION SAMP	GRANITE STATE ANALYTICAL SERVICES LLC		
02/16/2017	502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002	<u>1702-01235-001</u>	CHEMICAL MONITORING	GRANITE STATE ANALYTICAL SERVICES LLC		
11/16/2016	502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002	<u>1611-01517-001</u>	CHEMICAL MONITORING	GRANITE STATE ANALYTICAL SERVICES LLC		
11/16/2016	011-UNIT 8 /KITCHEN SINK	<u>1611-01518-001</u>	TOTAL COLIFORM RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
08/19/2016	011-UNIT 8 /KITCHEN SINK	<u>1608-02290-001</u>	TOTAL COLIFORM RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
08/19/2016	502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002	<u>1608-02291-001</u>	CHEMICAL MONITORING	GRANITE STATE ANALYTICAL SERVICES LLC		
05/25/2016	011-UNIT 8 /KITCHEN SINK	<u>1605-02946-001</u>	TOTAL COLIFORM RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
05/25/2016	502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002	<u>1605-02947-001</u>	CHEMICAL MONITORING	GRANITE STATE ANALYTICAL SERVICES LLC		
05/25/2016	502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002	<u>1605-02948-001</u>	CHEMICAL MONITORING	GRANITE STATE ANALYTICAL SERVICES LLC		
05/25/2016	502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002	<u>1605-02949-001</u>	CHEMICAL MONITORING	GRANITE STATE ANALYTICAL SERVICES LLC		
02/25/2016	011-UNIT 8 /KITCHEN SINK	<u>1602-01880-001</u>	TOTAL COLIFORM RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
02/25/2016	502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002	<u>1602-01881-001</u>	CHEMICAL MONITORING	GRANITE STATE ANALYTICAL SERVICES LLC		
12/08/2015	502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002	<u>1512-00824-001</u>	CHEMICAL MONITORING	GRANITE STATE ANALYTICAL SERVICES LLC		
11/18/2015	011-UNIT 8 /KITCHEN SINK	<u>1511-01335-001</u>	TOTAL COLIFORM RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
11/06/2015	011-UNIT 10	<u>1511-00619-004</u>	LEAD AND COPPER RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
10/27/2015	002-UNIT 30	<u>1511-00619-001</u>	LEAD AND COPPER RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
10/27/2015	005-UNIT 35	<u>1511-00619-002</u>	LEAD AND COPPER RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
10/27/2015	006-UNIT 33	<u>1511-00619-003</u>	LEAD AND COPPER RULE	GRANITE STATE ANALYTICAL SERVICES LLC		
10/27/2015	010-UNIT 27	<u>1511-00619-005</u>	LEAD AND COPPER RULE	GRANITE STATE ANALYTICAL SERVICES LLC		

PWS ID:	2082040
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System Name and Address: PINE ACRES CONDOS RTE 121A Mapit SCOTT LN

SANDOWN

System Type: COMMUNITY SYSTEM

System Category: CONDOMINIUMS

System Status: Active

Population Served: 90

Service Connections: 36

Startup Date:

Samples (211) Note: Only samples processed by laboratories that report samples electronically are shown here. Collected Date Sampling Location Sample Number Sample Type Laboratory 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1509-02241-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 09/29/2015 002 08/19/2015 011-UNIT 8 /KITCHEN SINK 1508-01610-001 DISINFECTION BYPRODUCT GRANITE STATE ANALYTICAL SERVICES LLC 08/19/2015 011-UNIT 8 /KITCHEN SINK 1508-01611-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 GRANITE STATE ANALYTICAL SERVICES LLC 06/24/2015 1506-02141-001 CHEMICAL MONITORING 002 GRANITE STATE ANALYTICAL SERVICES LLC 06/23/2015 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1506-01980-001 CHEMICAL MONITORING 002 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 06/23/2015 1506-01982-001 002 06/23/2015 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1506-01984-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 1505-02048-001 TOTAL COLIFORM RULE 05/26/2015 011-UNIT 8 /KITCHEN SINK GRANITE STATE ANALYTICAL SERVICES LLC 1502-00693-001 GRANITE STATE ANALYTICAL SERVICES LLC 02/17/2015 011-UNIT 8 /KITCHEN SINK TOTAL COLIFORM RULE 02/17/2015 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1502-00694-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 GRANITE STATE ANALYTICAL SERVICES LLC 02/17/2015 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1502-00777-001 CHEMICAL MONITORING 002 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 11/20/2014 011-UNIT 8 /KITCHEN SINK 1411-01234-001 1408-00905-001 08/26/2014 011-UNIT 8 /KITCHEN SINK TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 08/26/2014 1408-00906-001 002 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 GENERAL SYSTEM EVALUATION SAMP GRANITE STATE ANALYTICAL SERVICES LLC 06/02/2014 1406-00068-001 002 05/21/2014 011-UNIT 8 /KITCHEN SINK TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 1405-00703-001 05/21/2014 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1405-00704-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 002 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 05/21/2014 1405-00707-001 002 1405-00708-001 GENERAL SYSTEM EVALUATION SAMP GRANITE STATE ANALYTICAL SERVICES LLC 05/21/2014 O-001-RAW GENERAL SYSTEM EVALUATION SAMP GRANITE STATE ANALYTICAL SERVICES LLC 05/21/2014 O-002-MIDPOINT 1405-00708-002 02/18/2014 011-UNIT 8 /KITCHEN SINK 1402-00340-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC

PWS ID: 2	08204
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System Name and Address: PINE ACRES CONDOS RTE 121A Mapit SCOTT LN

SANDOWN

System Type: COMMUNITY SYSTEM

System Category: CONDOMINIUMS

System Status: Active

Population Served: 90

Service Connections: 36

Startup Date:

Samples (211) Note: Only samples processed by laboratories that report samples electronically are shown here. Collected Date Sampling Location Sample Number Sample Type Laboratory 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 1402-00610-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 02/18/2014 002 11/22/2013 1311-00726-001 CHEMICAL MONITORING GRANITE STATE ANALYTICAL SERVICES LLC 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 002 11/20/2013 011-UNIT 8 /KITCHEN SINK 1311-00538-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 08/28/2013 011-UNIT 8 /KITCHEN SINK 1308-01110-001 TOTAL COLIFORM RULE GRANITE STATE ANALYTICAL SERVICES LLC 07/11/2013 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 3307-670-1 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 3305-466-1 05/07/2013 011-UNIT 8 /KITCHEN SINK TOTAL COLIFORM RULE NELSON ANALYTICAL LLC 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 05/07/2013 3305-467-1 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 05/07/2013 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 3305-468-1 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 05/07/2013 3305-469 502-DEP TAP PH/ AFTER AS TRTMT/ BLEND 001 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 02/01/2013 011-UNIT 8 /KITCHEN SINK 3302-23-1 TOTAL COLIFORM RULE NELSON ANALYTICAL LLC 02/01/2013 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 NELSON ANALYTICAL LLC 3302-25-1 CHEMICAL MONITORING 002 CHEMICAL MONITORING NELSON ANALYTICAL LLC 11/15/2012 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 3211-716-1 002 11/15/2012 011-UNIT 8 /KITCHEN SINK 3211-717-1 TOTAL COLIFORM RULE NELSON ANALYTICAL LLC 11/15/2012 008-UNIT 8 3211-718-1 I FAD AND COPPER RULE NELSON ANALYTICAL LLC 11/15/2012 009-UNIT 32 <u>3211-718-2</u> LEAD AND COPPER RULE NELSON ANALYTICAL LLC 11/15/2012 010-UNIT 27 3211-718-3 LEAD AND COPPER RULE NELSON ANALYTICAL LLC 11/15/2012 002-UNIT 30 3211-718-4 LEAD AND COPPER RULE NELSON ANALYTICAL LLC 3211-718-5 LEAD AND COPPER RULE NELSON ANALYTICAL LLC 11/15/2012 003-UNIT 36 08/13/2012 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 NELSON ANALYTICAL LLC 3208-705-1 CHEMICAL MONITORING 002 08/13/2012 011-UNIT 8 /KITCHEN SINK 3208-706-1 TOTAL COLIFORM RULE NELSON ANALYTICAL LLC 502-DEP TAP PH/AFTER AS TRTMT/BLEND 001 NELSON ANALYTICAL LLC 05/14/2012 3205-779 CHEMICAL MONITORING 002 011-UNIT 8 /KITCHEN SINK 05/07/2012 3205-357-1 TOTAL COLIFORM RULE NELSON ANALYTICAL LLC

PWS ID:	2082040

System Name and Address: PINE ACRES CONDOS RTE 121A

<u>Mapit</u>

SCOTT LN SANDOWN

System Type: COMMUNITY SYSTEM

System Category: CONDOMINIUMS

System Status: Active

Population Served: 90

Service Connections: 36

Startup Date:

Samples (211) Note: Only samples processed by laboratories that report samples electronically are shown here. Collected Date Sampling Location Sample Number Sample Type Laboratory 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 CHEMICAL MONITORING NELSON ANALYTICAL LLC 05/07/2012 3205-358 002 05/07/2012 3205-499 CHEMICAL MONITORING 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 NELSON ANALYTICAL LLC 002 02/02/2012 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 3202-112 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 02/02/2012 011-UNIT 8 /KITCHEN SINK 3202-113-1 TOTAL COLIFORM RULE NELSON ANALYTICAL LLC 11/07/2011 011-UNIT 8 /KITCHEN SINK 3111-258-1 TOTAL COLIFORM RULE NELSON ANALYTICAL LLC 3110-52 10/03/2011 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 08/09/2011 011-UNIT 8 /KITCHEN SINK 3108-459-1 TOTAL COLIFORM RULE NELSON ANALYTICAL LLC 07/05/2011 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 3107-179 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 05/04/2011 011-UNIT 8 /KITCHEN SINK 3105-157-1 TOTAL COLIFORM RULE NELSON ANALYTICAL LLC 05/04/2011 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 3105-158 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 05/04/2011 CHEMICAL MONITORING NELSON ANALYTICAL LLC 502-DEP TAP PH/AFTER AS TRTMT/BLEND 001 3105-159 002 04/10/2011 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 3104-507 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 03/15/2011 502-DEP TAP PH/ AFTER AS TRTMT/BLEND 001 3103-549 CHEMICAL MONITORING NELSON ANALYTICAL LLC 002 02/08/2011 011-UNIT 8 /KITCHEN SINK 3102-256-1 TOTAL COLIFORM RULE NELSON ANALYTICAL LLC DEP TAP/PUMPHOUSE/BLEND 001&002 03/08/2005 A87438-1 METHYL-T-BUTYL ETHER NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 02/21/2005 BLEND 001 + 002 A87139-1 CHEM MON NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 12/14/2004 DEP TAP/PH/BLEND 001&002 A84787-1 METHYL-T-BUTYL ETHER NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 12/14/2004 DEP TAP/PH/BLEND 001&002 A84787-2 CHEM MON NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 07/18/2004 UNIT 8 A77531-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 04/06/2004 UNIT 8 A72130-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY A72146-1 04/06/2004 DEP TAP/PH/BLEND 001&002 SDWA-VOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY A72146-2 SDWA INORGANICS 04/06/2004 DEP TAP/PH/BLEND 001&002 NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 03/09/2004 UNIT 8 A71125-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY ~ "

10 of 12

Syster	PWS ID: m Name and Address: <u>Mapit</u>	2082040 PINE ACRES CONDOS RTE 121A SCOTT LN SANDOWN			tegory: Status:		Startup Date: Service Connections:	36
		Note: Only	samples processed b	Samples (211) by laboratories that report samples electronical	Illy are st	nown here		
ected Date	Sampl	ling Location	Sample Number	Sample Type			boratory	

Collected Date	Sampling Location	Sample Number	Sample Type	Laboratory
03/09/2004	501-DEP TAP/PUMPHOUSE BLEND 001 & 002	<u>A71139-1</u>	METHYL-T-BUTYL ETHER	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
11/17/2003	UNIT 8	<u>A67126-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
09/12/2003	501-DEP TAP/PH/BLEND 001&002	<u>A64422-1</u>	METHYL-T-BUTYL ETHER	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
07/15/2003	UNIT 8	<u>A60475-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
07/15/2003	UNIT 10	<u>A60475-2</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
07/15/2003	UNIT 25	<u>A60475-3</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
07/15/2003	UNIT 24	<u>A60475-4</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
07/15/2003	UNIT 3	<u>A60475-5</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
05/08/2003	UNIT 8	<u>A56508-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
05/08/2003	501 DEP TAP PH BLEND 1&2	<u>A56512-1</u>	SDWA-VOA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
05/08/2003	501 DEP TAP PH BLEND 1&2	<u>A56512-2</u>	SDWA-PEST	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
05/08/2003	501 DEP TAP PH BLEND 1&2	<u>A56512-3</u>	CHEM MON	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
03/12/2003	DEP TAP/PH/BLEND 001&002	<u>A54293-1</u>	METHYL-T-BUTYL ETHER	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
01/27/2003	UNIT 8	<u>A52732-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
11/12/2002	DEP PH BLEND 001+002	<u>A50369-1</u>	METHYL-T-BUTYL ETHER	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
10/11/2002	UNIT 8	<u>A48959-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
09/03/2002	UNIT 8	<u>A47124-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
09/03/2002	UNIT 10	<u>A47124-2</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
09/03/2002	UNIT 15	<u>A47124-3</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
09/03/2002	UNIT 3	<u>A47124-4</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
09/03/2002	DEP TAP /PH/BLEND 001&002	<u>A47135-1</u>	METHYL-T-BUTYL ETHER	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
06/10/2002	UNIT 8	<u>A41626-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
06/10/2002	DEP SAMPLING TAP/PUMP	<u>A41628-1</u>	SDWA-VOA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
06/10/2002	DEP SAMPLING TAP/PUMP	<u>A41628-2</u>	SDWA NITRATE/NITRITE	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
06/10/2002	DEP SAMPLING TAP/PUMP	<u>A41628-3</u>	CHEM MON	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
03/07/2002	UNIT 8	<u>A37405-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY
02/07/2002	UNIT 8	<u>A36339-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY

Syste	PWS ID: em Name and Address:	2082040 PINE ACRES CONDOS RTE 121A	ONDOS			COMMUNITY SYSTEM		
	<u>Mapit</u>	SCOTT LN SANDOWN		System	n Status:	Active	Startup Date:	
				Population	Served:	90	Service Connections:	36
				Samples (211)				
		Note: Only s	samples processed b	by laboratories that report samples electronic	cally are s	hown here.		
ected Date	Sampl	ing Location	Sample Number	Sample Type		Lat	boratory	
2/07/2002	DEP SAMPLING TAP/F	PUMP	<u>A36344-1</u>	METHYL-T-BUTYL ETHER	NEW HA	MPSHIRE DEPT OF ENVIR	RONMENTAL SERVICE	S LABORATORY
/02/2002	UNIT 8		<u>A34991-1</u>	DW BACTERIA	NEW HA	MPSHIRE DEPT OF ENVIR	RONMENTAL SERVICE	S LABORATORY

Collected Date Sample Number Sample Number Sample Number Laboratory 020772002 DEP SAMPLING TAP/PLUMP A38934-1 METHYL-TBUTYL ETHER NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 01002002 UNT 8 A38931-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 1202002 UNT 8 A34072-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 02942001 UNT 8 A34072-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 09742001 UNT 8 A25159-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/21/2001 UNT 8 A25159-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/30201 UNT 8 A25159-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/30201 DEP SAMPLING TAP/PH A2273-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/30201 DEP SAMPLING TAP/PH A2273-2 SDWA-NOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/30201 DEP SAMPLIN		Note: Only samples processed by laboratories that report samples electronically are shown here.						
01/02/2002 UNIT 8 A349911 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 12/21/2001 DEP SAMPLING TAP A34092-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 12/21/2001 UNIT 8 A34072-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 0/24/2001 UNIT 8 A3101-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 0/02/2001 UNIT 8 A25789-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 0/06/21/2001 UNIT 8 A2579-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 0/03/2001 DEP SAMPLING TAP/PH A22579-2 SDWA-VOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 0/03/2001 DEP SAMPLING TAP/PH A22579-2 SDWA-VOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 0/03/2001 DEP SAMPLING TAP/PH A22579-3 SDWA RADIOLOGICAL NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 0/03/2001 DEP SAMPLING TAP/PH A22579-4 SDWA INORGANICS NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY <	Collected Date	Sampling Location	Sample Number	Sample Type	Laboratory			
12/31/2001 DEP SAMPLING TAP A32005-1 METHYL-T-BUTYL ETHER NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 12/2/2001 UNIT 8 A34679-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 09/24/2001 UNIT 8 A31101-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 09/24/2001 UNIT 8 A26789-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/21/2001 UNIT 8 A2259-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-1 SUM AVOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-2 SUMA-PEST NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-3 SUMA RADIOLOGICAL NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-4 SUMA RADIOLOGICAL NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 UNIT 8 A19128-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABO	02/07/2002	DEP SAMPLING TAP/PUMP	<u>A36344-1</u>	METHYL-T-BUTYL ETHER	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
12/20/2011 UNIT 8 A34679-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 09/24/2001 UNIT 8 A2101-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 07/17/2011 UNIT 8 A25158-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 UNIT 8 A25158-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22575-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-1 SDWA-VOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-2 SDWA-PEST NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-3 SDWA RADIOLOGICAL NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/03/2001 DEP SAMPLING TAP/PH A22579-3 SDWA RADIOLOGICAL NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/03/2001 UNIT 8 A21725-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/03/2001 UNIT 8 A21725	01/02/2002	UNIT 8	<u>A34991-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
09/24/2001 UNIT 8 A3110-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 07/17/2001 UNIT 8 A25183-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/21/2001 UNIT 8 A25183-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-1 SDWA-VOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-2 SDWA-VOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-3 SDWA RADIOLOGICAL NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-4 SDWA RADIOLOGICAL NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 04/12/2001 UNIT 8 A21725-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 03/14/2001 UNIT 8 A20414-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	12/31/2001	DEP SAMPLING TAP	<u>A35005-1</u>	METHYL-T-BUTYL ETHER	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
07/17/2001 UNIT 8 A26789-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/21/2001 UNIT 8 A225156-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/03/2001 UNIT 8 A22575-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/03/2001 DEP SAMPLING TAP/PH A22579-1 SDWA-VOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-2 SDWA-PEST NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-3 SDWA RADIOLOGICAL NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-4 SDWA INORGANICS NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 06/03/2001 UNIT 8 A21725-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 03/14/2001 UNIT 8 A219126-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 03/14/2001 UNIT 8 A219126-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 03/14/2001 UNIT 8 A19128-1	12/20/2001	UNIT 8	<u>A34679-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
06/21/2001 UNIT 8 A25189-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 UNIT 8 A22575-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-1 SDWA-VOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-2 SDWA-VOA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-3 SDWA RADIOLOGICAL NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 DEP SAMPLING TAP/PH A22579-4 SDWA INORGANICS NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 05/03/2001 UNIT 8 A21725-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 04/12/2001 UNIT 8 A21725-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 03/14/2001 UNIT 8 A20414-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 01/08/2001 UNIT 8 A19182-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY <td>09/24/2001</td> <td>UNIT 8</td> <td><u>A31101-1</u></td> <td>DW BACTERIA</td> <td>NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY</td>	09/24/2001	UNIT 8	<u>A31101-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
05/03/2001UNIT 8A22575-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-2SDWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-3SDWA RADIOLOGICALNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-4SDWA INORGANICSNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001UNIT 8A21725-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/14/2001UNIT 8A20414-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/14/2001UNIT 8A19128-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY02/06/2001UNIT 8A19128-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/06/2000UNIT 8A1923-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A1923-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A1930-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A1930-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A5265-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL	07/17/2001	UNIT 8	<u>A26789-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
05/03/2001DEP SAMPLING TAP/PHA22579-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-2SDWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-3SDWA RADIOLOGICALNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-4SDWA INORGANICSNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/12/2001UNIT 8A21725-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/14/2001UNIT 8A20114-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY01/08/2001UNIT 8A1923-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY01/08/2001UNIT 8A1923-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A1930-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A1930-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A9900-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A9900-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A9900-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A9925-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SE	06/21/2001	UNIT 8	<u>A25168-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
05/03/2001DEP SAMPLING TAP/PHA22579-2SDWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-3SDWA RADIOLOGICALNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-4SDWA INORGANICSNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/12/2001UNIT 8A21725-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/14/2001UNIT 8A20414-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY02/05/2001UNIT 8A19128-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY1//08/2001UNIT 8A19239-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A17330-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY07/10/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY07/10/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A5264-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A5265-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTA	05/03/2001	UNIT 8	<u>A22575-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
05/03/2001DEP SAMPLING TAP/PHA22579-3SDWA RADIOLOGICALNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/03/2001DEP SAMPLING TAP/PHA22579-4SDWA INORGANICSNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/12/2001UNIT 8A21725-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/14/2001UNIT 8A20414-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY02/05/2001UNIT 8A19128-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY01/08/2001UNIT 8A18293-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY12/12/2000UNIT 8A18293-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY07/10/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A9000-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A9000-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A5264-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMEN	05/03/2001	DEP SAMPLING TAP/PH	<u>A22579-1</u>	SDWA-VOA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
05/03/2001DEP SAMPLING TAP/PHA22579-4SDWA INORGANICSNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/12/2001UNIT 8A21725-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/14/2001UNIT 8A20414-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY02/05/2001UNIT 8A19128-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY01/08/2001UNIT 8A18293-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY12/12/2000UNIT 8A13300-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A9000-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A5295-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5255-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRO	05/03/2001	DEP SAMPLING TAP/PH	<u>A22579-2</u>	SDWA-PEST	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
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01/08/2001UNIT 8A18293-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY12/12/2000UNIT 8A17330-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY07/10/2000UNIT 8A9000-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A9000-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A5995-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A5264-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA NITRATE/NITRITENEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA NITRATE/NITRITENEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/10/2000UNIT 8A4051-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/08/2000UNIT 8A2673-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	03/14/2001	UNIT 8	<u>A20414-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
12/12/2000UNIT 8A17330-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY09/06/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY07/10/2000UNIT 8A9000-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A6995-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A5264-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA NITRATE/NITRITENEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2DWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/10/2000UNIT 8A4051-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/08/2000UNIT 8A2673-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	02/05/2001	UNIT 8	<u>A19128-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
09/06/2000UNIT 8A13080-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY07/10/2000UNIT 8A9000-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A6995-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A5264-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA NITRATE/NITRITENEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A4051-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/08/2000UNIT 8A2673-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/08/2000UNIT 8A2673-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	01/08/2001	UNIT 8	<u>A18293-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
07/10/2000UNIT 8A9000-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY06/06/2000UNIT 8A6995-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A5264-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA-VESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA NITRATE/NITRITENEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/10/2000UNIT 8A4051-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/08/2000UNIT 8A2673-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	12/12/2000	UNIT 8	<u>A17330-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
06/06/2000UNIT 8A6995-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A5264-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA NITRATE/NITRITENEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000UNIT 8A4051-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/08/2000UNIT 8A2673-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	09/06/2000	UNIT 8	<u>A13080-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
05/05/2000UNIT 8A5264-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA NITRATE/NITRITENEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/10/2000UNIT 8A4051-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/08/2000UNIT 8A2673-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	07/10/2000	UNIT 8	<u>A9000-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
05/05/2000DEP SAMPLING TAP/PUMPA5265-1SDWA-VOANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA NITRATE/NITRITENEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/10/2000UNIT 8A4051-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/08/2000UNIT 8A2673-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	06/06/2000	UNIT 8	<u>A6995-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
05/05/2000DEP SAMPLING TAP/PUMPA5265-2SDWA-PESTNEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY05/05/2000DEP SAMPLING TAP/PUMPA5265-3SDWA NITRATE/NITRITENEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY04/10/2000UNIT 8A4051-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY03/08/2000UNIT 8A2673-1DW BACTERIANEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	05/05/2000	UNIT 8	<u>A5264-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
05/05/2000 DEP SAMPLING TAP/PUMP A5265-3 SDWA NITRATE/NITRITE NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 04/10/2000 UNIT 8 A4051-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 03/08/2000 UNIT 8 A2673-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	05/05/2000	DEP SAMPLING TAP/PUMP	<u>A5265-1</u>	SDWA-VOA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
04/10/2000 UNIT 8 A4051-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY 03/08/2000 UNIT 8 A2673-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	05/05/2000	DEP SAMPLING TAP/PUMP	<u>A5265-2</u>	SDWA-PEST	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
03/08/2000 UNIT 8 A2673-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	05/05/2000	DEP SAMPLING TAP/PUMP	<u>A5265-3</u>	SDWA NITRATE/NITRITE	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
	04/10/2000	UNIT 8	<u>A4051-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
02/21/2000 UNIT 8 A1858-1 DW BACTERIA NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY	03/08/2000	UNIT 8	<u>A2673-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			
	02/21/2000	UNIT 8	<u>A1858-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY			

PWS ID:	2082040	System Type:	COMMUNITY SYSTEM	
System Name and Address:	PINE ACRES CONDOS RTE 121A	System Category:	CONDOMINIUMS	
<u>Mapit</u>	Mapit SCOTT LN SANDOWN	System Status:	Active	Startup Date:
		Population Served:	90	Service Connections: 36

	Samples (211)							
	Note: Only samples processed by laboratories that report samples electronically are shown here.							
Collected Date	Sampling Location	Sample Number	Sample Type	Laboratory				
01/04/2000	UNIT 8	<u>A163-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY				
12/03/1999	UNIT 8	<u>L91630-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY				
10/18/1999	UNIT 8	<u>L89580-1</u>	DW BACTERIA	NEW HAMPSHIRE DEPT OF ENVIRONMENTAL SERVICES LABORATORY				
	Violations (1)							

Violation Description	Contaminant or Rule	Violation Month	Violation Year	Begin Date	Returned to Compliance	Regulator	
FAILURE TO PAY PTO FEE	FAILURE TO PAY PTO FEE	7	2019	07/01/2019	07/29/2019	STATE	