Evaluation Matrix – Anticipated Impacts

Evaluation Matrix	Alternative 1 Library Street tees into Pomfret Road and Stage Road, Medians on Stage and Pomfret approaches, Aristree exit to Stage Road, Alternating 4' Shoulders on Stage Road	Alternative 2 Pomfret Road tees into Library Street, Artistree exit to Stage Road with Parking, 4' Shoulder Southside on Stage Road	Alternative 3 One-way Pair for Pomfret Road and Library Street, Parallel Parking both sides Library Street, 4' Shoulders on Stage Road	Alternative 4 Library Street closed to traffic, Stage Roads tee into Pomfret Road, 2' Shoulders on Stage Road
Impacts				
ROW Impacts	Moderate - Library Street and Aristree Driveway reconfiguration	Moderate - Library Street and Aristree Driveway reconfiguration	Minor - Library Street	Moderate - Library Street and Aristree Driveway Reconfiguration
Utility Impacts	Moderate	Moderate	High	Moderate
Agricultural Lands	None	None	None	None
Archaeological	Minor	Minor	Minor	Minor
Historic	Required	Required	Required	Required
Fish & Wildlife	None	None	None	None
Rare Threatened & Endangered Species	None	None	None	None
Public Lands - Sect. 4(f)	Required - Library	Required - Library	Required - Library	Required - Library
Wetlands	None	None	None	None
New Impervious Surfaces	Minor	Minor	Moderate	Minor

Evaluation Matrix – Anticipated Permitting

Evaluation Matrix	Alternative 1 Library Street tees into Pomfret Road and Stage Road, Medians on Stage and Pomfret approaches, Aristree exit to Stage Road, Alternating 4' Shoulders on Stage Road	Alternative 2 Pomfret Road tees into Library Street, Artistree exit to Stage Road with Parking, 4' Shoulder Southside on Stage Road	Alternative 3 One-way Pair for Pomfret Road and Library Street, Parallel Parking both sides Library Street, 4' Shoulders on Stage Road	Alternative 4 Library Street closed to traffic, Stage Roads tee into Pomfret Road, 2' Shoulders on Stage Road
Permitting				
Act 250	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Section 404 - Wetlands (USACOE)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Section 401 Water Quality Certification	Not Applicable	Not Applicable	Not Applicable	Not Applicable
State Wetlands Permit	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Stream Alteration Permit	Potential	Potential	Potential	Potential
Construction Phase Storm Water Discharge Permit (General Permit 3-9020)	Not Anticipated	Not Anticipated	Not Anticipated	Not Anticipated
Operational Phase Storm Water Discharge Permit (General Permit 3-9015)	Not Anticipated	Not Anticipated	Not Anticipated	Not Anticipated
Lakes & Ponds	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Rare, Threatened, and Endangered Species	Not Anticipated	Not Anticipated	Not Anticipated	Not Anticipated
Section 1111 Permit	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Public Input





Questions?

Comments?







Stay Connected!

Jenn Conley, Project Manager

jconley@vhb.com

802.497.6191

Meeting Notes

Date:	November 29, 2022	Notes Taken By:	Rose O'Brien
Place:	Pomfret Town Office	Re:	S Pomfret Alternatives Presentation & Public Meeting
Project No.:	58786.00		

ATTENDEES:

Project Team
Jonathan Harrington, Municipal Project Manager
Jenn Conley, PE, PTOE VHB Project Manager
Rose O'Brien, Public Outreach

Members of the Public
Glenn Barbi (online)
Mary Ann Barbi (online)
Annie Bower (online)
Vern Clifford (online)

Presentation

Jenn Conley presented an overview from the Local Concerns meeting, the final Purpose and Need from the Selectboard, and then the Alternatives while taking public comment during each alternative presentation.

Public Input on Alternatives

Alternative 1

A resident asked if lanes could be narrowed to 10 feet to avoid needing to widen the road to add shoulders.

There was concern about the placement of the median on Stage Road and at the intersection of Stage Road and Pomfret Road due to the need to widen the road to add the median near residencies and potential conflict with driveways and trucks turning. Another resident suggested the use of mountable curb on the median to avoid turning movement and plowing issues.

Residents are concerned that widening the road will cause drainage issues in the front yards and homes next to the road. Another resident pointed out that there are already drainage issues that could be fixed in this area.

There was lots of approval of Library Street. Residents liked adding crosswalks, redefining the Library Street and Stage Road intersection, defining the parking on Library Street. There was mixed reaction to moving the exit to Artistree due to current drainage issues and conflicting turning movements. The maintenance and drainage of the sidewalk between the Grange Theater, Library, and Teago was a concern to several residents.

Alternative 2

A resident expressed concerned with Artistree exiting by their home on Stage Road and increasing traffic at that location.

There are concerns of speeding on Pomfret Road (north) and Library Street if Pomfret Road tees into Library at that intersection. A resident suggested adding a median on the north leg of Pomfret Road to slow speed approaching the main intersection.

Alternative 3

Several residents liked the one-way roads on Library Street and Pomfret Rd since shoulders could be added without widening the road. There was concern about trucks turning onto Pomfret Road from Stage Road which is currently a difficult turn.

One resident pointed out that the handicapped parking by Teago would put a vans handicap ramp into the roadway if the road is a northbound one-way. Suggested moving the handicapped spot to Library Street and removing the existing space and curb bump-out from the Pomfret Road and Stage Road intersection to improve turning movements.

There were suggestions to add a median to the Pomfret Road north leg to slow traffic coming onto Library Street. The shown hatched area could be raised with mountable curb to achieve this.

There was concern that one-way roads would create more traffic in locations it was not before.

There was support of the Artistree exit realignment, but without parking.

Continued support of redefining Library Street.

Alternative 4

There was support of a bicycle and pedestrian path on Library Street with no vehicle access.

There is a concern of loss of parking with this alternative.

Suggested placing medians before curve on south leg of Pomfret Road, by Artistree on north leg of Pomfret Road, and by Saskadena Six on Stage Road.

There are concerns about closing Library Street with the potential need to close or replace bridges on Pomfret Rd and Stage Road.

Discussion by Segment:

Stage Road

A resident suggested striping lanes at 10′ lanes with no widening for shoulder.

Several residents do not want a median on Stage Road.

At least add shoulder on one side of road at four feet, but without widening.

A resident asked if we could address drainage issues.

Intersection

Overwhelming support for teeing Pomfret Road into Stage Road and Library Street into Stage Road and Pomfret Road.

Some suggested keeping Library Street two-way but making Pomfret Road one-way either northbound only.

If the Pomfret Road/Stage Road intersection was improved to allow for large truck turns from Stage Road to Pomfret Road, then the one-way combined alternative is an option.

Many believe eliminating Library Street will cause too many issues at the Stage Road/Pomfret Road intersection.

Artistree Exit

Support for moving exit due to current issues with drainage and turning movements.

A resident pointed out that moving the exit away from the entrance will help separate traffic and further improve turning movements and traffic flow.

Pomfret Road

Most agree that the south leg of Pomfret Road poses the biggest problem for pedestrian and bicycle users. Preferred to add shoulder on south side of road (four feet suggested but widening as much as is feasible).

Library Parking

Approval for defining parking spaces, but concern of loss of parking (currently 7-8 spots on east side and parallel parking for trucks or vehicles with trailers on west side).

Public Comment

Date: January 26, 2023 Notes Taken By: Jenn Conley

Project No.: 58786.00 Re: S Pomfret Alternatives

Public comments have been received in response to the Alternatives Presentation Meeting and are summarized as follows:

Library Trustees and Librarians

1. Wants a right turn from Pomfret Road to Library Street
2. Keep Pomfret Road and Library Street 2 way
3. Maintain 6-8 pkg spaces on east side of library (potential future HC parking on west side)
4. Define parking, wide shoulders, crosswalks, open to medians concerned about sidewalk maintenance and replacements, concerned about drainage impacts
5. Check truck maneuvers

Sharlene Kelly

1. Oppose streetlights
2. Focus on Teago to school especially sharp curve
3. Prefers Option 1 – she prefers, eliminate medians, peds on side of Teago, library etc.
4. Second choice is Option 4 – because likes green space, spacious, and organized flow
5. Least favored is alternative #2 and #3

Glenn and MaryAnne Barbi

1. Wants to maintain rural and historic feel
2. Would like minimal widening to roadway and sidewalks
3. Few if any necessary changes to lighting. If lighting is necessary, use only during Grange Theater activities

Theresa Antal

1. Supportive of alternative #1
    a. Moving Artistree access will help safety

Pam Pickett

1. Less is more
2. Supportive of alternative #1
    a. In favor of additional crosswalks, signage, and sidewalks
    b. Likes that the curved access will slow people down
    c. Sidewalks on Library Street would be beneficial.
    d. Possible medians to slow traffic with concern for maintenance and impacts from widening
3. Create shoulders by decreasing lanes with lines (Jon Harrington's suggestion during the meeting) to minimize the impact on adjacent homeowners.

Nick Browning

1. Suggest having the small length of road that cuts between the Teago Store and Fire department be permanently closed

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a. Feels it would be safer intersection for bicyclist and pedestrians with that set up

Pam Pickett

1. Concern regarding lighting
    a. Alternative to lighting may be adding more signage
    b. if more lighting is need, use low level lights, and preferably only during theater events
2. Not in favor of additional lighting in village, feels there is currently adequate lighting for Artistree events and at Teago Store, additional lighting will negatively impact livability, rural character, and aesthetic of village

Hunter Ulf

1. Supportive of alternative 1
2. In favor of the median to define the gateway
3. In favor of the parking on library street
4. In favor of the wider shoulders and would like them extended to S6 and to Prosper Valley School

Neil Lamson

1. In favor of library street being closed
    a. Parking could be expanded
    b. Would feel safer for pedestrians
    c. The dangerous Artistree exit onto library street would be eliminated
    d. Artistree lane would be safer exiting on Stage Road
    e. Intersection of Pomfret Road and Stage Road could be redesigned to accommodate traffic turning onto Pomfret Road from Stage Road
    f. Included rough sketch of ideas.

Lindsay Hyde

1. In favor of safe pedestrian connections focused between Teago's, Artistree, The Grange Theatre, the Library, and Saskedena
2. Would like to remove one of the roadways and lower the speed limit
3. Overall feels that speed should be lowered if there are more bike/ ped infrastructure
4. Have entire area between Teago, Artistree, library and theater be pedestrian only
5. Reduce speed from all approaches to project area

Eleanor Pizzani (via phone on 1/11/2023)

1. Concerned with including lights at crosswalks
2. Concerned with widening towards her house – would rather not – worried about runoff into her driveway
3. Would like to be able to walk from Teago Store – from end of bridge very uneven to walk into parking lot – also the old island space collects water
4. Could Artistree change their circulation ins v. outs?

Artistree

1. Likes the roadway configuration shown in Alternative #1 at Alternatives Presentation Meeting.
2. Not interested in modifying the parking lot circulation to exit onto Stage Road instead of Library Street due to concerns of moving children between their two facilities – would not like vehicles exiting adding to the conflict at that location

3. Open to modifications to the drive on Library if improves the safety

Village of South Pomfret Scoping Study



Preferred Alternative Presentation at Selectboard Meeting

March 1st, 2023
7 PM



PROJECT TEAM INTRODUCTIONS

- Jonathan Harrington, Municipal Project Manager
- Jenn Conley, PE, PTOE | VHB Project Manager
- Karen Sentoff | Technical Lead
- Rose O'Brien | Public Outreach

Agenda



Project Team



Public Engagement



Purpose & Need



Preferred Alternative



Next Steps

Public Engagement

Project Kickoff Meeting	May 2022
Local Concerns Meeting	September 15th, 2022
Develop Conceptual Alternatives	September- November 2022
Alternatives Presentation Meeting	November 29th, 2022
Public Comment Period	November- January
Developed Preferred Alternative	January- February
Draft Scoping Report	February 2023
Preferred Alternative Presentation	**Today**
Final Scoping Report	March 2023

PROJECT PURPOSE



The purpose of the South Pomfret Village Scoping Study is to identify opportunities to **improve connectivity** throughout the Village and evaluate design alternatives that will **improve safety and mobility** for all users while **maintaining the livability and historic aesthetic** of the Village.

PROJECT NEEDS



IMPROVE PEDESTRIAN AND BICYCLIST MOBILITY AND SAFETY

The lack of dedicated space for pedestrians and bicyclists, in addition to very few crossing opportunities, greatly limits connectivity throughout the Village. Due to existing conditions, vulnerable road users have limited safe access to local businesses, educational resources, and recreational opportunities and are exposed to potential traffic conflicts.

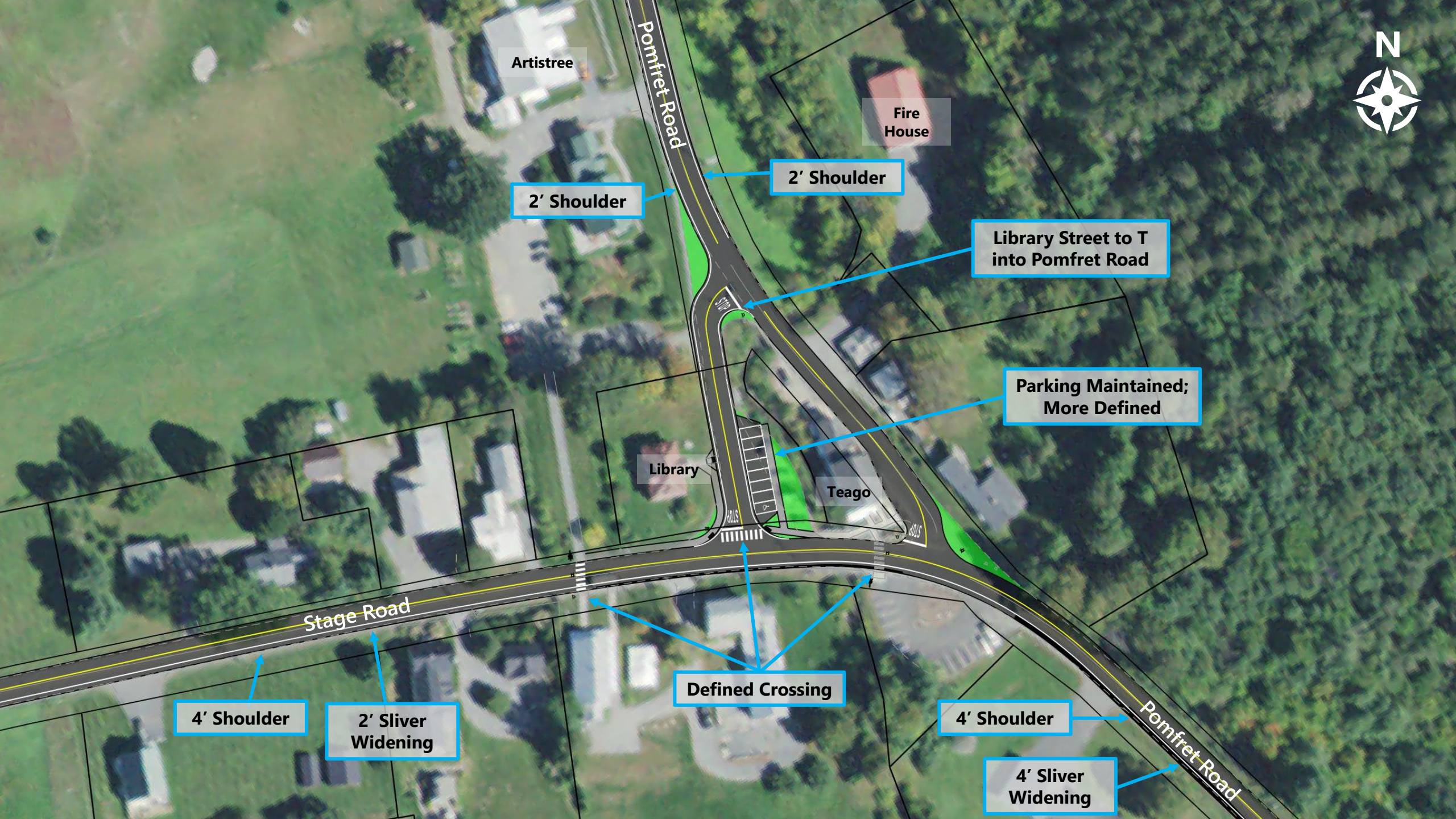


IMPROVE TRAFFIC CIRCULATION AND SAFETY

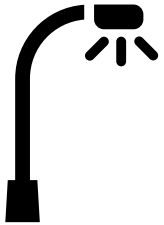
Current traffic patterns lack delineated travel ways, parking, turning radii, and access management - all of which enable higher vehicle operating speeds through the Village and limit intuitive access for users.

Preferred Alternative Concept


Artistree
Pomfret Road
2′ Shoulder
Fire House
2′ Shoulder
Library Street to T into Pomfret Road
Parking Maintained; More Defined
Library
Teago
Stage Road
4′ Shoulder
2′ Sliver Widening
Defined Crossing
4′ Shoulder
Pomfret Road
4′ Sliver Widening
Saskadena Six


N
Artistree
Pomfret Road
Fire House
2’ Shoulder
2’ Shoulder
Library Street to T into Pomfret Road
Parking Maintained; More Defined
Library
Teago
STOP
STOP
Stage Road
Defined Crossing
4’ Shoulder
2’ Sliver Widening
4’ Shoulder
Pomfret Road
4’ Sliver Widening

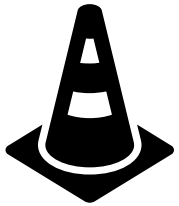
Issues Carried Forward



LIGHTING

During the public meetings and public comment period many residents expressed their concerns about lighting at the crosswalks

- Safety vs. Dark Sky



CONSIDER PILOT PROGRAM

Potential conversion to one-way circulation on Pomfret Road and Library Street

- Considered but not universally supported
- Concern regarding truck movements vs. improved safety of bike/pedestrian space

Evaluation Matrix – Cost, Safety and Community Character

Evaluation Matrix	Preferred Alternative
Cost	
Relative Cost Scale	**$1,131,344**
Safety & Mobility	
Pedestrian Access & Safety	**Improved**
Bicyclist Access & Safety	**Slightly Improved**
Vehicle Safety	**Improved**
Community Character	
Aesthetics	**Improved**
Satisfies Purpose & Need	**Yes**

Preferred Implementation Plan

	Location and Description of Improvements	***Estimated Cost****
Staged Implementation		
1	Library Street Improvements including sidewalks, parking area, intersection with Stage Road, and intersection with Pomfret Road	$365,000
2	Widening and Striping Stage Road – Pomfret Road from Saskadena Six to Elementary School	$715,000
3	Pomfret Road Improvements from Stage Road Intersection north	$120,000

**Costs include construction, contingency, engineering and design, traffic control and mobilization/demobilization. Does not include Right-of-Way or property acquisition costs*

Next Steps

Selectboard Endorsement	Today ☑
Final Scoping Report	March 2023

Design

- Grant Applications
- Pilot Project

Meeting Notes

Date:	March 1, 2023	Notes Taken By:	Rose O'Brien
Place:	Pomfret Town Office	Re:	S Pomfret Final Presentation & Public Meeting
Project No.:	58786.00		

ATTENDEES:

Project Team
Jonathan Harrington, Municipal Project Manager
Jenn Conley, PE, PTOE VHB Project Manager
Rose O'Brien, Public Outreach

Members of the Public
Sharlene Kelly (online)
James Kelly (online)
Charlie Kelly (online)
Tim Dowd (online)
Betsy Rhodes (online)
Maura Tynes (online)

Presentation

Jenn Conley presented the preferred alternative and took public comment on the preferred alternative and draft of the final report.

Public Input on the Preferred Alternative

Jon Harrington asked to see the cost estimate in the final report broken out into two different segments for roadway widening. One segment would be from Saskadena Six to 1806 Pomfret Rd as the "Village" area and the second would be from 1806 Pomfret Rd to the Pomfret Elementary School. He also asked that the new impervious area from roadway widening be checked to confirm there are no operational stormwater permit requirements and to check the report for mention of a median in the preferred alternative. Additionally, Jon would like to see a pilot program for the one-way alternative done before the preferred alternative is official approved.

Sharlene Kelly asked if there is any priority for building project segments as they are broken out in the cost estimate. Jenn responded that there is no priority, and the cost breakdown could be used to identify different funding sources based on the type of work to be performed. She also asked about difference between "2' sliver widening" and "4' shoulders" as shown on the layout graphics. The term "sliver widening" indicates the amount of widening to the existing roadway to achieve the desired 4' shoulder. Sharlene followed up this question by asking how the widening is achieved where there is a steep embankment. Jenn responded that this would be determined during the engineering portion of design and could be a fill that ties in the new slope at same grade as existing or could change the slope of the tie in to be less steep then the existing conditions.

Charlie Kelly was concerned that a decrease in lane widths from 11' to 10' would reduce safety for bikes. He interrupted the shoulder widening as a raised sidewalk and not a designated area for pedestrians and bikes that is flush with the roadway. Pedestrians and bicyclists are intended to share the 4' shoulder in the eastbound direction and bicyclists and cars are expected to continue to share the roadway in the westbound direction. This only improves in bicycle safety in the eastbound lane with no change in safety for westbound travel. Additionally, decreasing lane width will help to slow cars which is a safety improvement for bicycles.

Tim Dowd asked if bridge improvements needed to be done before the roadway improvements. Jenn responded that no changes to the roadway are proposed over the bridges so the roadway work proposed in this study can be done without conflicting with bridge work. Additionally, the bridge project will be a much longer process then any bicycle and pedestrian improvements so the work proposed in this study should proceed without waiting on the bridge improvements. Tim asked to check the final report for mention of the bridge work as he thought there was mention of the bridge project in the timeline for the bicycle and pedestrian improvements. He also asked if an alternative was ever developed for a path to the elementary school off the roadway alignment. Jenn responded that this was discussed at the local concerns meeting but with no public Right-of-Way to achieve this, it would require taking a significant amount of private property.

Betsy Rhodes is concerned with the roadway drainage where there is sidewalk and curb recommended. Jenn responded that the final report and cost estimate will be updated to include contingencies for drainage infrastructure. She also asked that the final report be checked for mention of moving the Artistree exit as this alternative was not preferred. Additionally, she asked if Library St is one-way would parking change. Jenn responded that parking does not need too but could be parallel or angled as another alternative. She also as concerns for maintaining the sidewalks with snow removal and for truck turning movements and the implied safety concerns for pedestrians if trucks need to make multi-point turns. Jenn confirmed that turning movements were checked for the largest sized vehicle that can currently make the turns without issue and all turns were possible in one motion.

Maura Tynes asked what the timeline is for the project. Jenn responded that after the final scoping report is published in March, the next steps are acquiring grant funds, survey, design, and then construction, so there are still multiple years from anything being construction

James Kelly asked where lighting is proposed. Jenn responded that it has not been decided yet and could be include in the engineering design process. There were many concerns about light pollution so decisions such as type of light fixture, location, and hours of operation could be decided during design if lighting is desired. He also asked what would happen if there were drainage issues after construction. Jenn stated that drainage has not yet been designed and would be part of the engineering design progress later. An extensive design is done to mitigate drainage issues, if drainage infrastructure is incorrectly built the repair falls on the contractor, but the design process should mitigate any perceived issues.

Betsy Rhodes asked why the cost estimates have all increased. Jenn responded that the increased came in two parts: widening the road down to elementary school increased costs for all alternatives and updated material unit costs from the most recent VTrans construction bids.

Sharlene Kelly asked how negative impacts from design are handled. Jenn reiterated that construction is far off, and no engineers design has been completed. The engineering design will mitigate any drainage concerns before construction takes place and should not be a concern.

The Town agrees to accept the final report is the following amendments are made:

- Breakout the roadway widening cost to be from Saskadena Six to 1806 Pomfret Rd and 1806 Pomfret Rd to the Pomfret Elementary School
- Include a provision for the one-way road pilot study prior to design
- Update report and cost estimate to include drainage design
- Update report and cost estimate to include lighting design
- Update other previously mentioned errors in the report

Appendix G

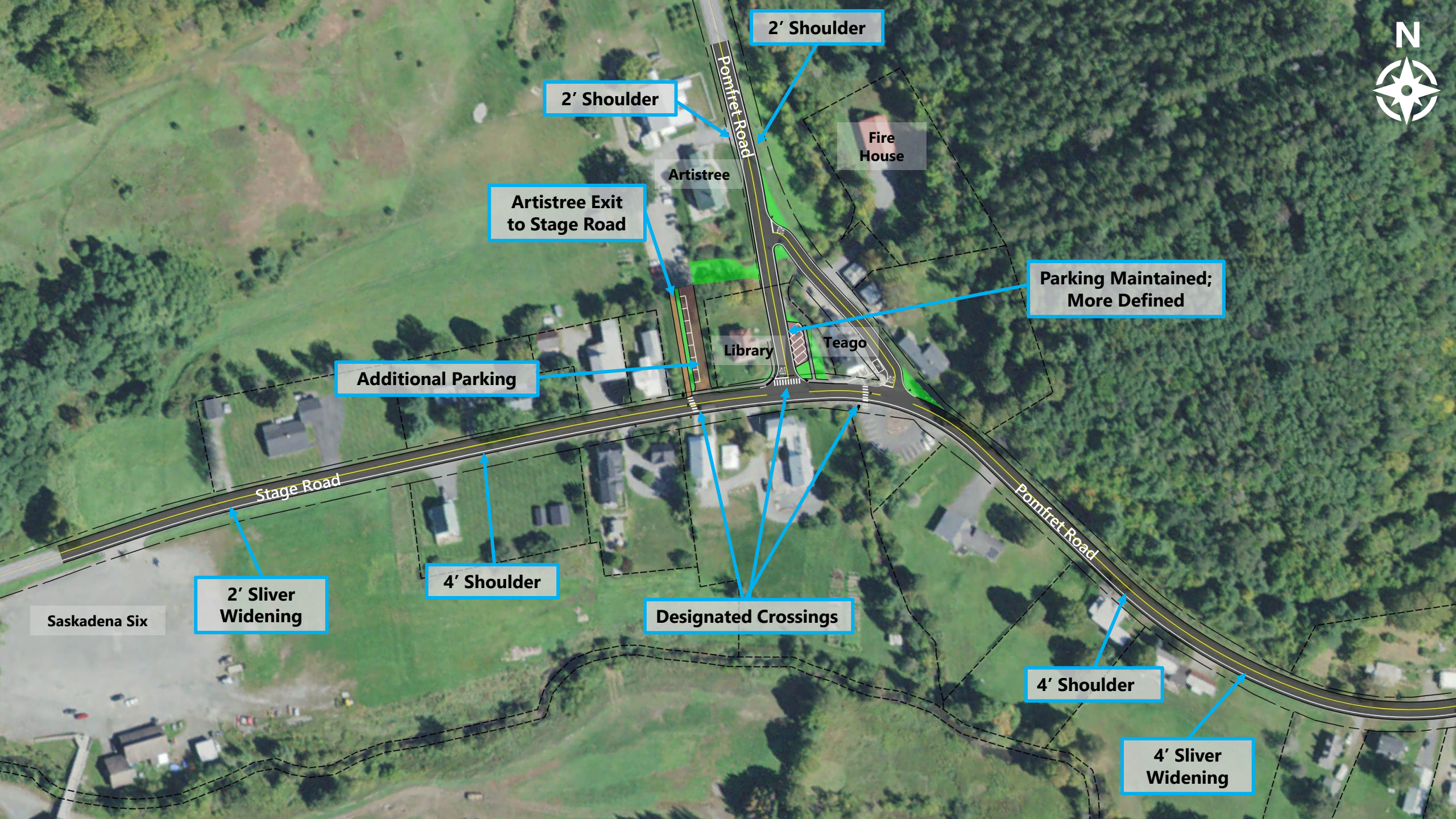
Alternative Concepts

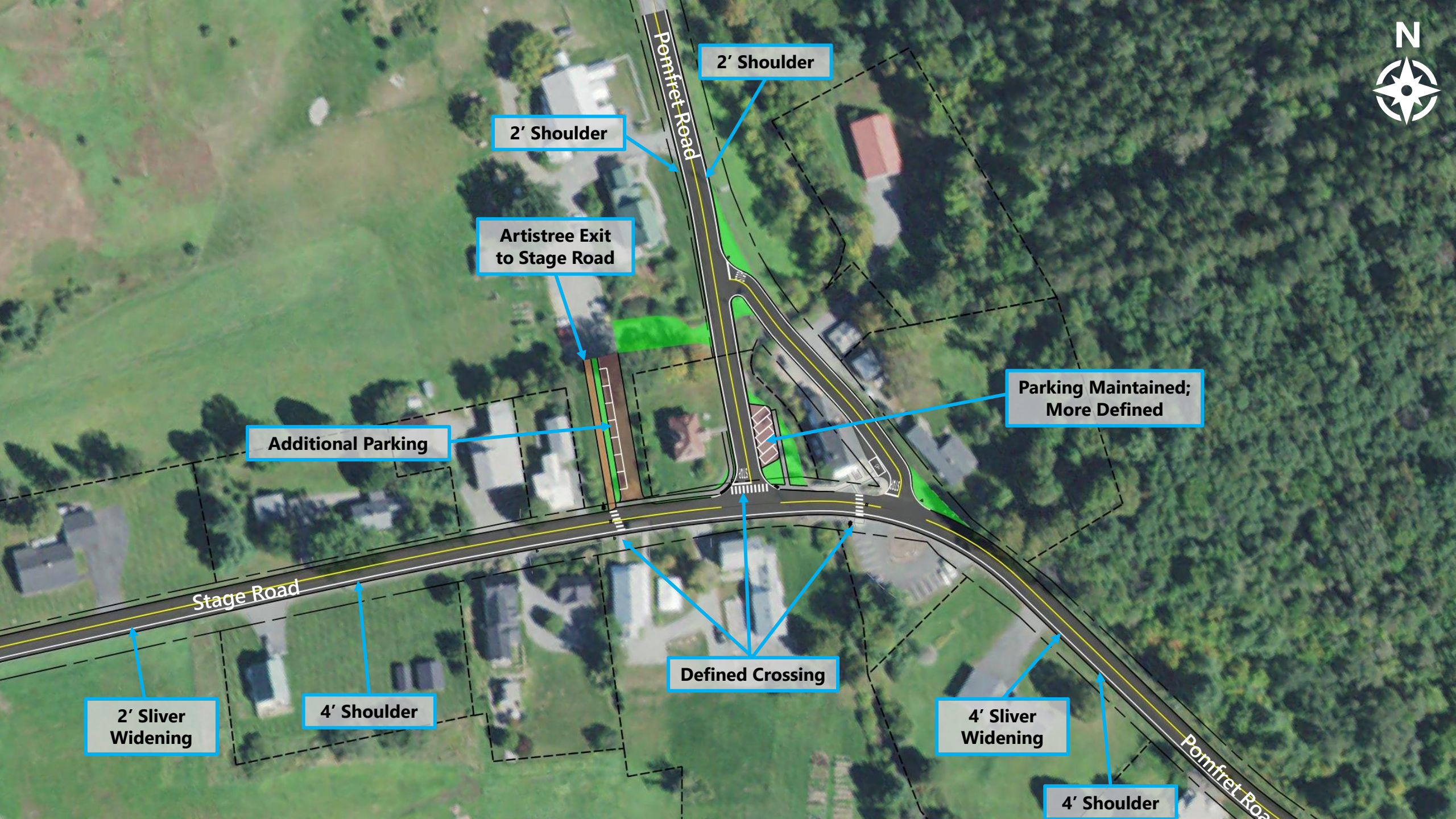
Alternative 1


N
2’ Shoulder
2’ Shoulder
Pomfret Road
Fire House
Artistree
Artistree Exit to Stage Road
4’ Shoulder
Library
Teago
Stage Road
Median
Median
Pomfret Road
Designated Crossings
2’ Sliver Widening
Saskadena Six
Designated Crossings
4’ Shoulder
4’ Sliver Widening


N
Pomfret Road
2′ Shoulder
2′ Shoulder
Artistree Exit
to Stage Road
Parking Maintained;
More Defined
4′ Shoulder
Stage Road
Median
2′ Sliver
Widening
Defined Crossing
Median
4′ Sliver
Widening
Pomfret Road
4′ Shoulder

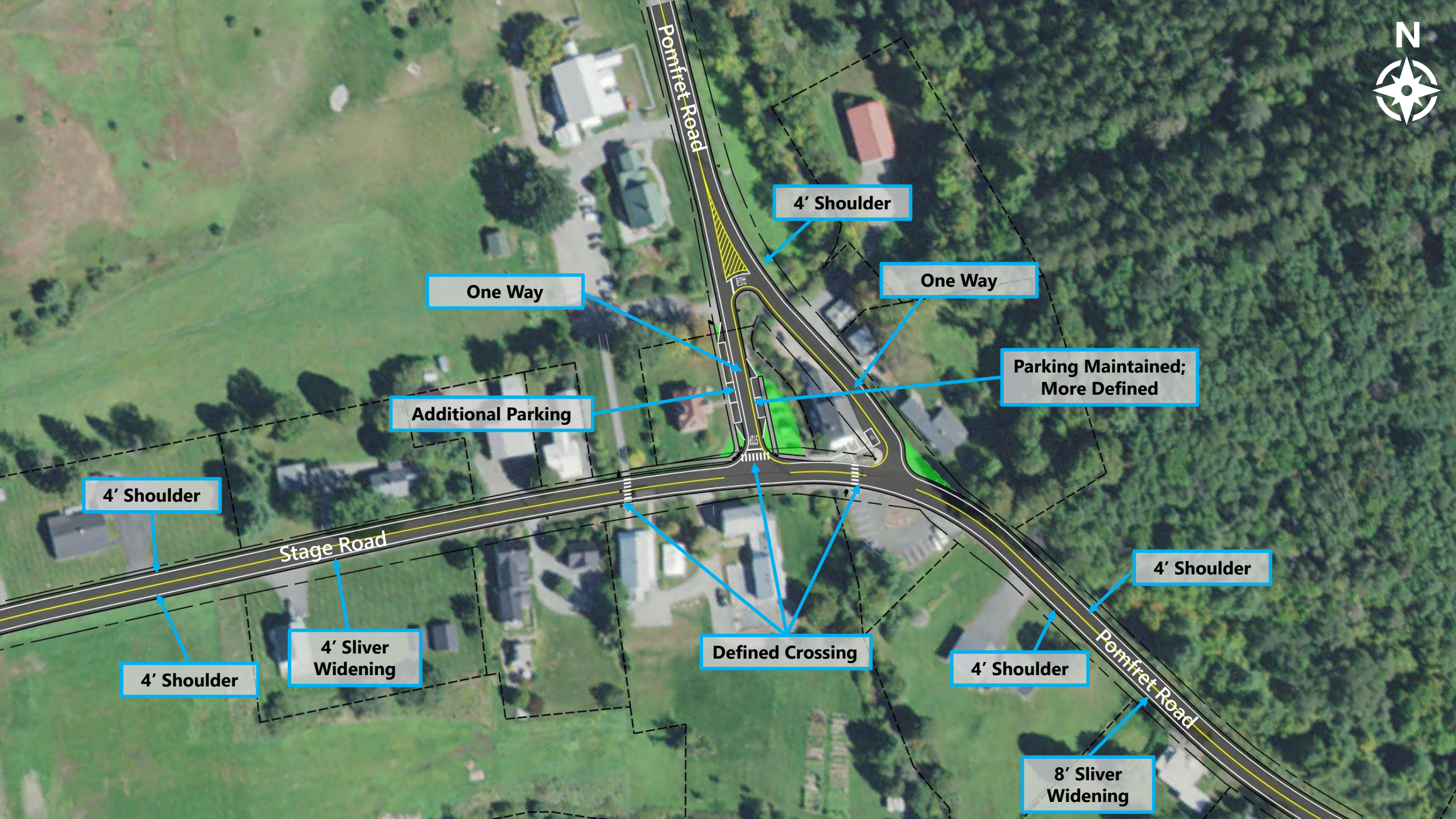
Alternative 2


2′ Shoulder
2′ Shoulder
Pomfret Road
Fire House
Artistree
Artistree Exit to Stage Road
Parking Maintained; More Defined
Library
Teago
Additional Parking
Stage Road
Pomfret Road
2′ Sliver Widening
4′ Shoulder
Designated Crossings
Saskadena Six
4′ Shoulder
4′ Sliver Widening
N

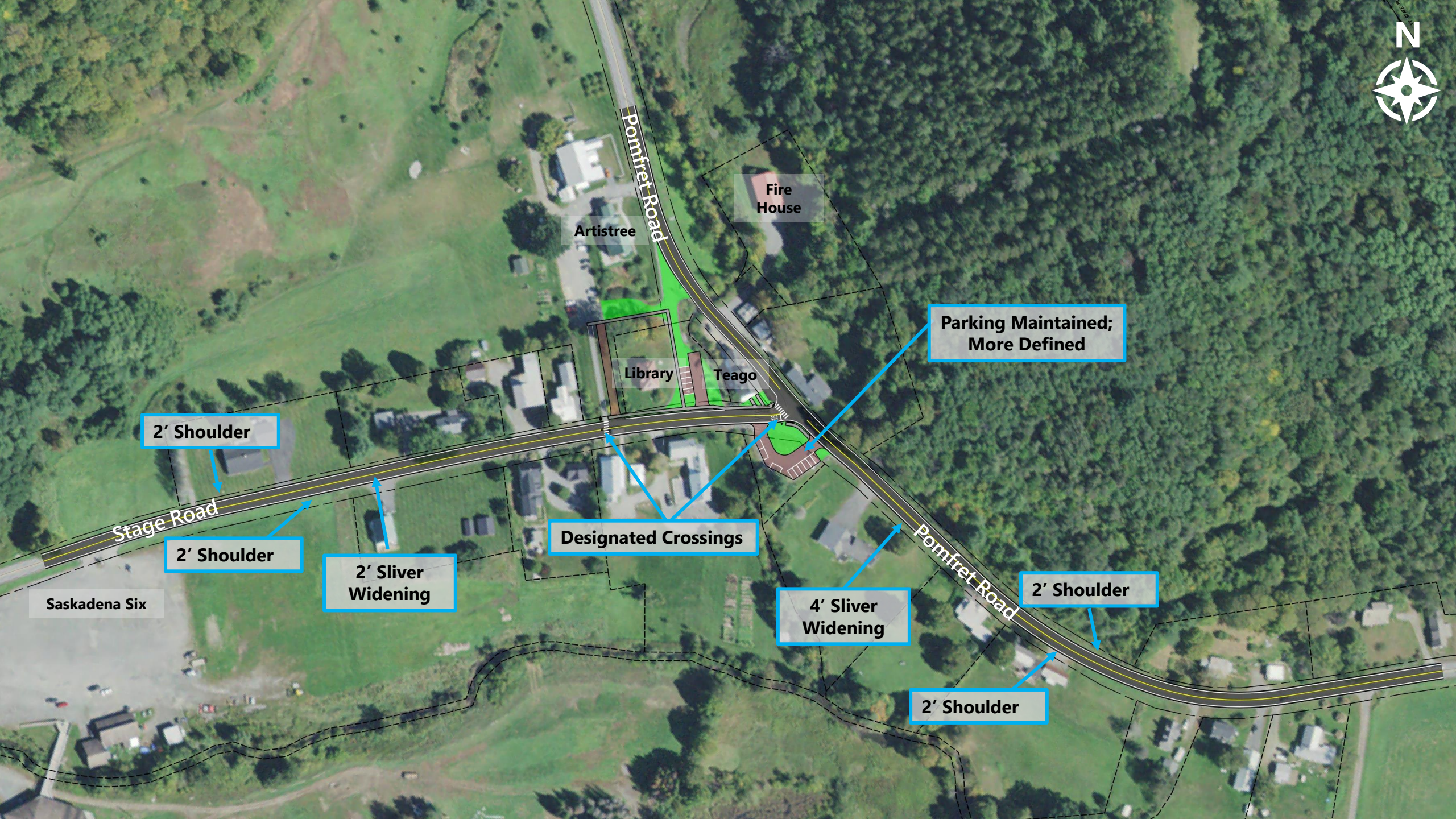

N
Pomfret Road
2′ Shoulder
2′ Shoulder
Artistree Exit
to Stage Road
Parking Maintained;
More Defined
Additional Parking
Stage Road
Defined Crossing
2′ Sliver
Widening
4′ Shoulder
4′ Sliver
Widening
4′ Shoulder
Pomfret Road

Alternative 3


N
Pomfret Road
Fire House
Artistree
One Way
One Way
Library
Teago
4′ Shoulder
Stage Road
4′ Shoulder
4′ Sliver Widening
Designated Crossings
Pomfret Road
4′ Shoulder
8′ Sliver Widening
4′ Shoulder
Saskadena Six


N
Pomfret Road
4′ Shoulder
One Way
One Way
Parking Maintained;
More Defined
Additional Parking
4′ Shoulder
Stage Road
4′ Shoulder
4′ Sliver
Widening
Defined Crossing
4′ Shoulder
Pomfret Road
4′ Shoulder
8′ Sliver
Widening

Alternative 4


N
Pomfret Road
Fire House
Artistree
Library
Teago
Parking Maintained; More Defined
2′ Shoulder
Stage Road
2′ Shoulder
2′ Sliver Widening
Designated Crossings
Saskadena Six
4′ Sliver Widening
Pomfret Road
2′ Shoulder
2′ Shoulder


N
Pomfret Road
Additional Parking
Library Street Closed
Parking Maintained; More Defined
2′ Shoulder
Stage Road
2′ Shoulder
Defined Crossing
2′ Shoulder
2′ Sliver Widening
2′ Shoulder
Pomfret Road
4′ Sliver Widening

Appendix H

Alternatives Matrix

Evaluation Matrix – Cost, Safety and Community Character

Evaluation Matrix	No Build	Alternative 1	Alternative 2	Alternative 3	Alternative 4
		Library Street tees into Pomfret Road and Stage Road, Medians on Stage and Pomfret approaches, Artistree exit to Stage Road, Alternating 4' Shoulders on Stage Road	Pomfret Road tees into Library Street, Artistree exit to Stage Road with Parking, 4' Shoulder Southside on Stage Road	One-way Pair for Pomfret Road and Library Street, Parallel Parking both sides Library Street, 4' Shoulders on Stage Road	Library Street closed to traffic, Stage Roads tee into Pomfret Road, 2' Shoulders on Stage Road
Cost					
Relative Cost Scale	$0	$758,832	$765,414	$949,898	$784,479
Safety & Mobility					
Pedestrian Access & Safety	No Improvement	Improved	Improved	Improved	Improved
Bicyclist Access & Safety	No Improvement	Slighty Improved	Slightly Improved	Improved	Slightly Improved
Vehicle Safety	No Improvement	Improved	Improved	Improved	Improved
Community Character					
Aesthetics	No Improvement	Improved	Improved	Improved	Improved
Satisfies Purpose & Need	No	Yes	Yes	Yes	Yes

Evaluation Matrix – Anticipated Impacts

Evaluation Matrix	No Build	Alternative 1 Library Street tees into Pomfret Road and Stage Road, Medians on Stage and Pomfret approaches, Aritstree exit to Stage Road, Alternating 4' Shoulders on Stage Road	Alternative 2 Pomfret Road tees into Library Street, Artistree exit to Stage Road with Parking, 4' Shoulder Southside on Stage Road	Alternative 3 One-way Pair for Pomfret Road and Library Street, Parallel Parking both sides Library Street, 4' Shoulders on Stage Road	Alternative 4 Library Street closed to traffic, Stage Roads tee into Pomfret Road, 2' Shoulders on Stage Road
Impacts					
ROW Impacts	None	Moderate - Library Street and Aristree Driveway reconfiguration	Moderate - Library Street and Aristree Driveway reconfiguration	Minor - Library Street	Moderate - Library Street and Aristree Driveway Reconfiguration
Utility Impacts	None	Moderate	Moderate	High	Moderate
Agricultural Lands	None	None	None	None	None
Archaeological	None	Minor	Minor	Minor	Minor
Historic	None	Required	Required	Required	Required
Fish & Wildlife	None	None	None	None	None
Rare Threatened & Endangered Species	None	None	None	None	None
Public Lands - Sect. 4(f)	None	Required - Library	Required - Library	Required - Library	Required - Library
Wetlands	None	None	None	None	None
New Impervious Surfaces	None	Minor	Minor	Moderate	Minor

Evaluation Matrix – Anticipated Permitting

Evaluation Matrix	No Build	Alternative 1	Alternative 2	Alternative 3	Alternative 4
		Library Street tees into Pomfret Road and Stage Road, Medians on Stage and Pomfret approaches, Artistree exit to Stage Road, Alternating 4' Shoulders on Stage Road	Pomfret Road tees into Library Street, Artistree exit to Stage Road with Parking, 4' Shoulder Southside on Stage Road	One-way Pair for Pomfret Road and Library Street, Parallel Parking both sides Library Street, 4' Shoulders on Stage Road	Library Street closed to traffic, Stage Roads tee into Pomfret Road, 2' Shoulders on Stage Road
Permitting					
Act 250	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Section 404 - Wetlands (USACOE)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Section 401 Water Quality Certification	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
State Wetlands Permit	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Stream Alteration Permit	Not Applicable	Potential	Potential	Potential	Potential
Construction Phase Storm Water Discharge Permit (General Permit 3-9020)	Not Applicable	Not Anticipated	Not Anticipated	Not Anticipated	Not Anticipated
Operational Phase Storm Water Discharge Permit (General Permit 3-9050)	Not Applicable	Not Anticipated	Not Anticipated	Potential	Not Anticipated
Lakes & Ponds	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Rare, Threatened, and Endangered Species	Not Applicable	Not Anticipated	Not Anticipated	Not Anticipated	Not Anticipated
Section 1111 Permit	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Appendix I

Alternatives Concepts Cost Estimate

Computations

Project: Pomfret Village Scoping Study
Project #: 58786.00
Location: South Pomfret, VT
Sheet: 1 of 5
Calculated by: SL
Date: 2/22/23
Checked by:
Date:
Title: Conceptual Cost Estimate Calculations - Alt 1

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	156	CY	$68.95	$10,756	6" depth
Coarse-Milling	9495	SY	$2.26	$21,458	
Aggregate Surface Course	64	CY	$58.12	$3,733	6" depth
Pavement	2248	TON	$90.35	$203,104	3" depth
Crushed Gravel, Fine Graded	638	CY	$84.58	$53,945	1' depth
Dense Graded Crushed Stone	759	CY	$70.10	$53,195	1' depth
Sidewalk					
Vertical Granite Curb	263	LF	$64.61	$17,008	
Sidewalk, 5"	170	SY	$124.10	$21,079	
Detectable Warning Surface	40	SF	$42.07	$1,683	
Line Striping					
4" White Line	4442	LF	$2.37	$10,528	
4" Yellow Line	3062	LF	$3.75	$11,484	
Stop Bars	47	LF	$14.35	$674	
Letters and Symbols	13	EACH	$274.44	$3,568	
Crosswalks	100	LF	$25.88	$2,588	
Landscaping					
Remove and Reset Fence	40	LF	$63	$2,511	
Seed	17	LB	$14.07	$242	application rate of 120 lb/acre
Topsoil	77	CY	$50.47	$3,897	4" depth
Street Light Assembly	2	EACH	$7,256.31	$14,513	
Signing					
Traffic Sign, Type A	20	SF	$23.61	$472	est 5 SF/EACH avg
Square Tube Sign Post and Anchor	135	LF	$13.61	$1,837	est 15 LF/EACH
Removing Signs	7	EACH	$32.65	$229	
Resetting Signs	6	EACH	$69.66	$418	
			Subtotal	$438,924	
15% Contingency				$65,839	
15% Mobilization & Traffic Control				$65,839	
			Subtotal	$570,601	
ROW		LS		$30,000	
8% Local Project Manager				$45,648	
12% Engineering and Design				$68,472	
15% Construction Inspection				$85,590	
			Total	$800,311	
			Round	$689	
			Rounded Total	**$801,000**	

Computations

Project:	**Pomfret Village Scoping Study**	**Project #:**	**58786.00**
Location:	**South Pomfret, VT**	**Sheet:**	**2 of 5**
Calculated by:	**SL**	**Date:**	**2/22/23**
Checked by:	**RO**	**Date:**	
Title:	**Conceptual Cost Estimate Calculations - Alt 2**		

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	185	CY	$68.95	$12,758	6" depth
Coarse-Milling	9444	SY	$2.26	$21,343	
Aggregate Surface Course	86	CY	$58.12	$4,974	6" depth
Pavement	2275	TON	$90.35	$205,509	3" depth
Crushed Gravel, Fine Graded	673	CY	$84.58	$56,884	1' depth
Dense Graded Crushed Stone	794	CY	$70.10	$55,631	1' depth
Sidewalk					
Aggregate Surface Course, Trail	23	CY	$31.87	$741	6" depth
Vertical Granite Curb	148	LF	$64.61	$9,540	
Sidewalk, 5"	166	SY	$124.10	$20,623	
Detectable Warning Surface	32	SF	$42.07	$1,346	
Line Striping					
4" White Line	4469	LF	$2.37	$10,593	
4" Yellow Line	3147	LF	$3.75	$11,803	
Stop Bars	57	LF	$14.35	$818	
Letters and Symbols	13	EACH	$274.44	$3,568	
Crosswalks	82	LF	$25.88	$2,122	
Landscaping					
Remove and Reset Fence	40	LF	$63	$2,511	
Seed	22	LB	$14.07	$309	application rate of 120 lb/acre
Topsoil	99	CY	$50.47	$4,974	4" depth
Street Light Assembly	2	EACH	$7,256.31	$14,513	
Signing					
Traffic Sign, Type A	25	SF	$23.61	$590	est 5 SF/EACH avg
Square Tube Sign Post and Anchor	75	LF	$13.61	$1,021	est 15 LF/EACH
Removing Signs	7	EACH	$32.65	$229	
Resetting Signs	7	EACH	$69.66	$488	
			Subtotal	$442,887	
15% Contingency				$66,433	
15% Mobilization & Traffic Control				$66,433	
			Subtotal	$575,753	
ROW		LS		$30,000	
8% Local Project Manager				$46,060	
12% Engineering and Design				$69,090	
15% Construction Inspection				$86,363	
			Total	$807,267	
			Round	$733	
			Rounded Total	**$808,000**	

Computations

Project:	**Pomfret Village Scoping Study**	**Project #:**	**58786.00**
Location:	**South Pomfret, VT**	**Sheet:**	**3 of 5**
Calculated by:	**SL**	**Date:**	**2/22/23**
Checked by:	**RO**	**Date:**	
Title:	**Conceptual Cost Estimate Calculations - Alt 3**		

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	78	CY	$68.95	$5,389	6" depth
Coarse-Milling	10589	SY	$2.26	$23,931	
Pavement	2824	TON	$90.35	$255,111	3" depth
Crushed Gravel, Fine Graded	1024	CY	$84.58	$86,600	1' depth
Dense Graded Crushed Stone	1212	CY	$70.10	$84,976	1' depth
Sidewalk					
Vertical Granite Curb	226	LF	$64.61	$14,617	
Sidewalk, 5"	214	SY	$124.10	$26,616	
Detectable Warning Surface	32	SF	$42.07	$1,346	
Line Striping					
4" White Line	5965	LF	$2.37	$14,138	
4" Yellow Line	3018	LF	$3.75	$11,317	
8" Yellow Line	520	LF	$5.33	$2,772	
Stop Bars	36	LF	$14.35	$517	
Letters and Symbols	9	EACH	$274.44	$2,470	
Crosswalks	78	LF	$25.88	$2,019	
Landscaping					
Remove and Reset Fence	40	LF	$63	$2,511	
Seed	7	LB	$14.07	$96	application rate of 120 lb/acre
Topsoil	31	CY	$50.47	$1,546	4" depth
Street Light Assembly	2	EACH	$7,256.31	$14,513	
Signing					
Traffic Sign, Type A	65	SF	$23.61	$1,535	est 5 SF/EACH avg
Square Tube Sign Post and Anch	120	LF	$13.61	$1,633	est 15 LF/EACH
Removing Signs	6	EACH	$32.65	$196	
Resetting Signs	2	EACH	$69.66	$139	
			Subtotal	$553,988	
15% Contingency				$83,098	
15% Mobilization & Traffic Control				$83,098	
			Subtotal	$720,185	
ROW		LS		$30,000	
8% Local Project Manager				$57,615	
12% Engineering and Design				$86,422	
15% Construction Inspection				$108,028	
			Total	$1,002,250	
			Round	$750	
			Rounded Total	**$1,003,000**	

Computations

Project:	**Pomfret Village Scoping Study**	**Project #:**	**58786.00**
Location:	**South Pomfret, VT**	**Sheet:**	**4 of 5**
Calculated by:	**SL**	**Date:**	**2/22/23**
Checked by:	**RO**	**Date:**	
Title:	**Conceptual Cost Estimate Calculations - Alt 4**		

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	273	CY	$68.95	$18,828	6" depth
Coarse-Milling	8789	SY	$2.26	$19,864	
Aggregate Surface Course	172	CY	$58.12	$9,996	6" depth
Pavement	2112	TON	$90.35	$190,797	3" depth
Crushed Gravel, Fine Graded	621	CY	$84.58	$52,507	1' depth
Dense Graded Crushed Stone	742	CY	$70.10	$52,003	1' depth
Sidewalk					
Solid Rock Excavation	8	CY	$71.92	$579	5" depth
Vertical Granite Curb	263	LF	$64.61	$16,977	
Removal of Existing Curb	87	LF	$8.97	$777	
Sidewalk, 5"	366	SY	$124.10	$45,462	
Detectable Warning Surface	24	SF	$42.07	$1,010	
Line Striping					
4" White Line	5936	LF	$2.37	$14,068	
4" Yellow Line	2968	LF	$3.75	$11,130	
Stop Bars	11	LF	$14.35	$158	
Letters and Symbols	5	EACH	$274.44	$1,372	
Crosswalks	48	LF	$25.88	$1,242	
Landscaping					
Seed	34	LB	$14.07	$471	application rate of 120 lb/acre
Topsoil	150	CY	$50.47	$7,577	4" depth
Street Light Assembly	1	EACH	$7,256.31	$7,256	
Signing					
Traffic Sign, Type A	20	SF	$23.61	$472	est 5 SF/EACH avg
Square Tube Sign Post and Anchor	90	LF	$13.61	$1,225	est 15 LF/EACH
Removing Signs	14	EACH	$32.65	$457	
Resetting Signs	2	EACH	$69.66	$139	
			Subtotal	$454,368	
15% Contingency				$68,155	
15% Mobilization & Traffic Control				$68,155	
			Subtotal	$590,679	
ROW		LS		$30,000	
8% Local Project Manager				$47,254	
12% Engineering and Design				$70,881	
15% Construction Inspection				$88,602	
			Total	$827,417	
			Round	$583	
			Rounded Total	**$828,000**	

Appendix J

Preferred Concept Plans



SCALE 1" = 20'-0"
20 0 20

PROJECT NAME:	SOUTH POMFRET VILLAGE
PROJECT NUMBER:	58786.00
FILE NAME: turning movements.dgn	PLOT DATE: 1/25/2023
PROJECT LEADER: K. SENTOFF	DRAWN BY: R. O'BRIEN
DESIGNED BY: R. O'BRIEN	CHECKED BY: ------
PREFERRED ALTERNATIVE SHEET (3 OF 3)	SHEET 3 OF 5



PROJECT NAME: SOUTH POMFRET VILLAGE
PROJECT NUMBER: 58786.00

FILE NAME: 58786.00_bdr.dgn
PROJECT LEADER: K. SENTOFF
DESIGNED BY: R. O'BRIEN
PREFERRED ALTERNATIVE SHEET (1 OF 3)

PLOT DATE: 2/22/2023
DRAWN BY: R. O'BRIEN
CHECKED BY: K. SENTOFF
SHEET 1 OF 5

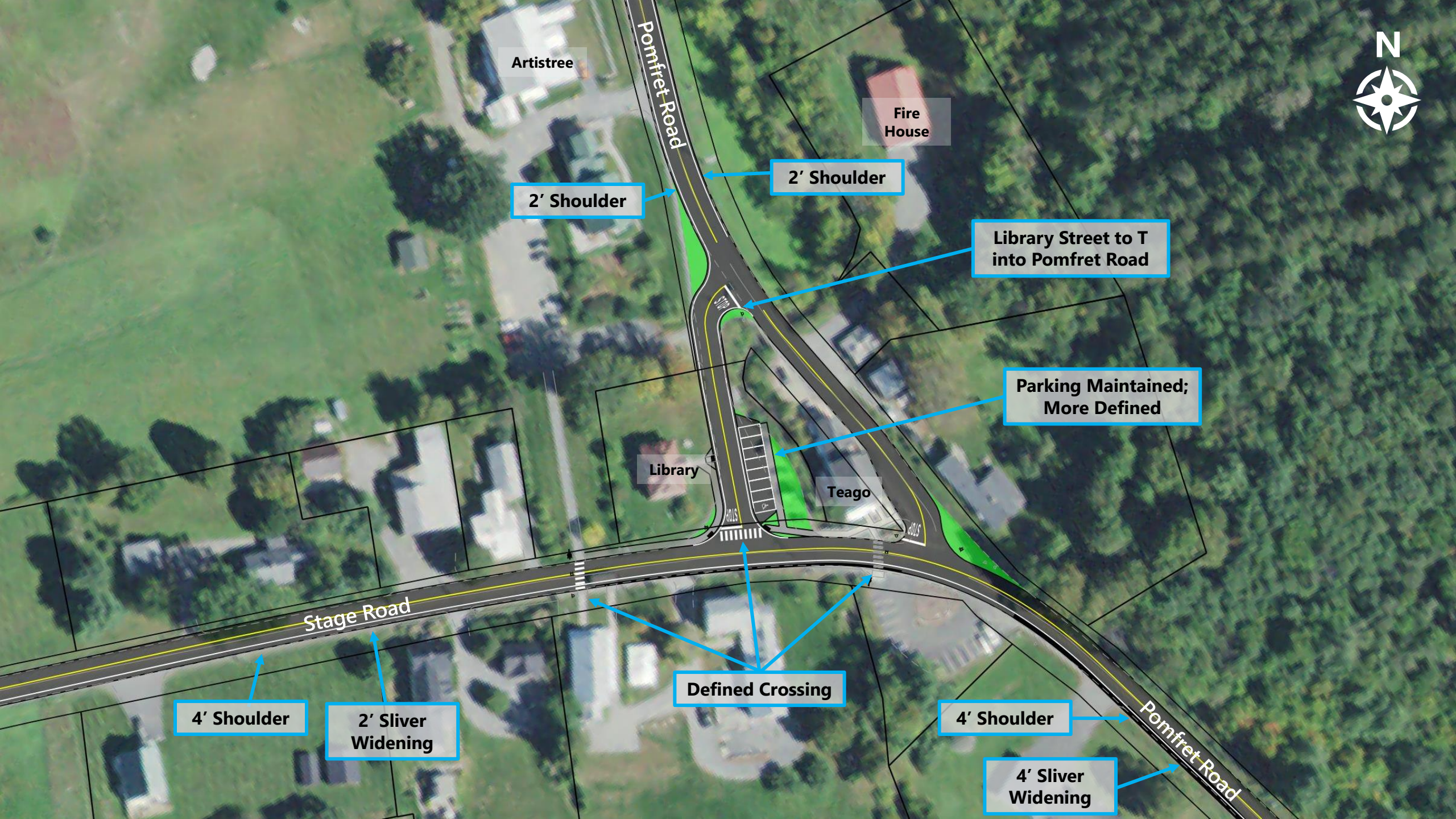


SCALE 1" = 120'-0"
120 0 120

vhb

PROJECT NAME:	SOUTH POMFRET VILLAGE
PROJECT NUMBER:	58786.00
FILE NAME: 58786.00_bdr.dgn	PLOT DATE: 2/22/2023
PROJECT LEADER: K. SENTOFF	DRAWN BY: R. O'BRIEN
DESIGNED BY: R. O'BRIEN	CHECKED BY: K. SENTOFF
PREFERRED ALTERNATIVE SHEET (2 OF 3)	SHEET 2 OF 5


Artistree
Pomfret Road
2′ Shoulder
Fire House
2′ Shoulder
Library Street to T into Pomfret Road
Parking Maintained; More Defined
Library
Teago
Stage Road
4′ Shoulder
2′ Sliver Widening
Defined Crossing
4′ Shoulder
Pomfret Road
4′ Sliver Widening
Saskadena Six


N
Artistree
Pomfret Road
Fire House
2’ Shoulder
2’ Shoulder
Library Street to T into Pomfret Road
Parking Maintained; More Defined
Library
Teago
STOP
STOP
Stage Road
Defined Crossing
4’ Shoulder
2’ Sliver Widening
4’ Shoulder
Pomfret Road
4’ Sliver Widening

Appendix K

Preferred Concept Cost Estimate

Computations

Project:	**Pomfret Village Scoping Study**	**Project #:**	**58786.00**
Location:	**South Pomfret, VT**	**Sheet:**	**1 of 5**
Calculated by:	**SL**	**Date:**	**2/22/23**
Checked by:		**Date:**	
Title:	**Stage Road/Pomfret Road from Saskadena Six to 1806**		

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	0	CY	$68.95	$0	6" depth
Coarse-Milling	0	SY	$23.69	$0	
Pavement	417	TON	$128.47	$53,517	3" depth
Crushed Gravel, Fine Graded	421	CY	$84.58	$35,582	1' depth
Dense Graded Crushed Stone	521	CY	$70.10	$36,555	1' depth
Line Striping					
4" White Line	2356	LF	$2.54	$5,985	
4" Yellow Line	2358	LF	$2.49	$5,872	
Stop Bars	0	LF	$14.56	$0	
Letters and Symbols	0	EACH	$188.42	$0	
Crosswalks	0	LF	$27.97	$0	
			Subtotal	$137,511	
25% Contingency				$34,378	
15% Mobilization & Traffic Control				$20,627	
			Subtotal	$192,515	
ROW		LS		$500	
8% Local Project Manager				$15,401	
12% Engineering and Design				$23,102	
15% Construction Inspection				$28,877	
			Total	$260,395	
			Round	$605	
			Rounded Total	**$261,000**	

Computations

Project:	**Pomfret Village Scoping Study**	**Project #:**	**58786.00**
Location:	**South Pomfret, VT**	**Sheet:**	**2 of 5**
Calculated by:	**SL**	**Date:**	**2/22/23**
Checked by:		**Date:**	
Title:	**Pomfret Road from 1806 to School**		

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	0	CY	$68.95	$0	6" depth
Coarse-Milling	0	SY	$23.69	$0	
Pavement	667	TON	$128.47	$85,736	3" depth
Crushed Gravel, Fine Graded	659	CY	$84.58	$55,749	1' depth
Dense Graded Crushed Stone	1086	CY	$70.10	$76,148	1' depth
Line Striping					
4" White Line	4074	LF	$2.54	$10,348	
4" Yellow Line	4082	LF	$2.49	$10,165	
Stop Bars	0	LF	$14.56	$0	
Letters and Symbols	0	EACH	$188.42	$0	
Crosswalks	0	LF	$27.97	$0	
			Subtotal	$238,145	
25% Contingency				$59,536	
15% Mobilization & Traffic Control				$35,722	
			Subtotal	$333,402	
ROW		LS		$500	
8% Local Project Manager				$26,672	
12% Engineering and Design				$40,008	
15% Construction Inspection				$50,010	
			Total	$450,593	
			Round	$407	
			Rounded Total	**$451,000**	

Computations

Project:	**Pomfret Village Scoping Study**	**Project #:**	**58786.00**
Location:	**South Pomfret, VT**	**Sheet:**	**3 of 5**
Calculated by:	**SL**	**Date:**	**2/22/23**
Checked by:		**Date:**	
Title:	**Library Street Improvements**		

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	67	CY	$68.95	$4,620	6" depth
Coarse-Milling	865	SY	$23.69	$20,489	
Pavement	173	TON	$128.47	$22,228	3" depth
Crushed Gravel, Fine Graded	27	CY	$84.58	$2,261	1' depth
Dense Graded Crushed Stone	27	CY	$70.10	$1,874	1' depth
Sidewalk					
Vertical Granite Curb, Mountable	438	LF	$95.00	$41,588	
Sidewalk, 5"	208	SY	$135.31	$28,108	
Detectable Warning Surface	30	SF	$56.27	$1,688	
Line Striping					
4" White Line	838	LF	$2.54	$2,130	
4" Yellow Line	210	LF	$2.49	$523	
Stop Bars	40	LF	$14.56	$575	
Letters and Symbols	9	EACH	$188.42	$1,696	
Crosswalks	120	LF	$27.97	$3,356	
Landscaping					
Remove and Reset Utility Pole	2	EACH			Work to be done by Utility Company
Seed	4	LB	$20.75	$83	application rate of 120 lb/acre
Topsoil	18	CY	$66.73	$1,195	4" depth
Street Light Assembly	1	EACH	$12,035.23	$12,035	
Signing					
Traffic Sign, Type A	20	SF	$30.39	$608	est 5 SF/EACH avg
Square Tube Sign Post and Anchor	30	LF	$20.96	$629	est 15 LF/EACH
Removing Signs	3	EACH	$31.64	$95	
Resetting Signs	3	EACH	$69.66	$209	
			Subtotal	$145,989	
25% Contingency				$36,497	
15% Mobilization & Traffic Control				$21,898	
			Subtotal	$204,385	
ROW		LS		$5,000	
8% Local Project Manager				$16,351	
12% Engineering and Design				$24,526	
15% Construction Inspection				$30,658	
			Total	$280,920	
			Round	$80	
			Rounded Total	**$281,000**	

Computations

Project: Pomfret Village Scoping Study
Location: South Pomfret, VT
Calculated by: SL
Checked by:
Title: Pomfret Road (north segment) (Teago and above)

Project #: 58786.00
Sheet: 4 of 5
Date: 2/22/23
Date:

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	23	CY	$68.95	$1,558	6" depth
Coarse-Milling	805	SY	$23.69	$19,060	
Pavement	142	TON	$128.47	$18,223	3" depth
Crushed Gravel, Fine Graded	6	CY	$84.58	$508	1' depth
Dense Graded Crushed Stone	6	CY	$70.10	$421	1' depth
Sidewalk					
Vertical Granite Curb, Mountable	405	LF	$95.00	$38,513	
Sidewalk, 5"	0	SY	$135.31	$0	
Detectable Warning Surface	0	SF	$56.27	$0	
Line Striping					
4" White Line	525	LF	$2.54	$1,333	
4" Yellow Line	505	LF	$2.49	$1,257	
Stop Bars	20	LF	$14.56	$291	
Letters and Symbols	4	EACH	$188.42	$754	
Crosswalks	48	LF	$27.97	$1,343	
Landscaping					
Remove and Reset Utility Pole	0	EACH			
Seed	3	LB	$20.75	$62	application rate of 120 lb/acre
Topsoil	13	CY	$66.73	$895	4" depth
Street Light Assembly	1	EACH	$12,035.23	$12,035	
Signing					
Traffic Sign, Type A	10	SF	$30.39	$304	est 5 SF/EACH avg
Square Tube Sign Post and Anchor	30	LF	$20.96	$629	est 15 LF/EACH
Removing Signs	4	EACH	$31.64	$127	
Resetting Signs	2	EACH	$69.66	$139	
			Subtotal	$97,450	
25% Contingency				$24,362	
15% Mobilization & Traffic Control				$14,617	
			Subtotal	$136,429	
ROW		LS		$500	
8% Local Project Manager				$10,914	
12% Engineering and Design				$16,372	
15% Construction Inspection				$20,464	
			Total	$184,680	
			Round	$320	
			Rounded Total	**$185,000**	

Computations

Project:	**Pomfret Village Scoping Study**	**Project #:**	**58786.00**
Location:	**South Pomfret, VT**	**Sheet:**	**5 of 5**
Calculated by:	**SL**	**Date:**	**3/16/23**
Checked by:		**Date:**	
Title:	**Drainage at Library and Stage**		

	Quantity	Unit	Cost/Unit	Total Cost	
Drainage					
Trench Excavation of Earth	181	CY	$20.00	$3,622	6' depth
Granular Backfill for Structures	125	CY	$58.50	$7,313	
Catch Basin	5	EACH	$5,900.00	$29,500	
Manhole	2	EACH	$6,500.00	$13,000	
Stormwater Pipe	160	LF	$185.00	$29,600	15" RCP
			Subtotal	$83,035	
25% Contingency				$20,759	
15% Mobilization & Traffic Control				$12,455	
			Subtotal	$116,249	
ROW		LS		$5,000	
8% Local Project Manager				$9,300	
12% Engineering and Design				$13,950	
15% Construction Inspection				$17,437	
			Total	$161,936	
			Round	$64	
			Rounded Total	**$162,000**	

Appendix L

Additional Environmental Resources

MAR 3 0 1999

OCT 0 4 1999

VERMONT UNDERGROUND STORAGE TANK FORM

Notification and Permit Application (if applicable)

Read instruction sheet carefully before completing this Form. Please type or print in ink all items except for the signature". For additional information call the Vermont Underground Storage Tank Program at **(802) 241-3888.**

I. OWNERSHIP OF TANKS

Name Stage Road Enterprises INC
Mailing DBA TEAGO GENERAL STORE
Address PO BOX 127
Town/
City So Pomfret State VT
Zip 05067

Phone (802) 457-1626

II. OPERATOR OF TANKS (if different than owner)

Name _____

Mailing Address Same

Town/
City _____ State ___ Zip _____

Phone (___) _____

III. CONTACT PERSON

[ ]Check if same as owner

[ ]Check if same as operator

If different than owner or operator:

Name Charles Gunderson

Mailing Address PO Box 104
City/ Town So Pomfret State VT Zip 05067

Phone (802) 457-2921

IV. LOCATION OF TANKS

Name TEAGO GENERAL STORE

Street address 2035 POMFRET ROAD

town/city So Pomfret Vermont

County Windsor

SITE LEAK HISTORY (if applicable)

(a) Year of tank or piping leak N/A
Substance leaked _____
b) Year of overfill or spill in excess of 25 gallons:
substance overfilled/spilled _____
c) TANK REMOVAL: Year 1999? HowMany 2 + 2
Replacement 1 Hazardous Site # 99-

VI. TYPE OF FACILITY (check one)

[ ]Institutional	[ ]Residential
[X]Retail/convenience store	[ ]Municipality
[ ]Bulk Plant	[ ]Service Station
[ ]Commercial/Industrial	[ ]Farm
[ ]State	[ ]Federal
	[ ]Fish Hatchery

VII. PERMITTEE (person or entity filing for category one tank permit)

[X]Check if same as owner

[ ]Check if same as operator

[ ]Not applicable/Notified UST only

VIII. NUMBER OF TANKS AT THIS LOCATION

1 Owned by person named in I above

___ Owned by another person, namely

_____

IX. Landowner

Name Charles and Alice Gunderson

X. FINANCIAL RESPONSIBILITY (applicable to permitted tanks only (completion of a Part 5 may be required see instruction sheet).

VT Petroleum CleanUp Fund Yes [X] No [ ]
Pollution Liability Insurance Yes [ ] No [ ]
If Yes, attach Certificate of Insurance
Self Insured Yes [ ] No [ ] If Yes, documentation from Permittee's financial office must be filed with the Agency.

CERTIFICATION: I certify under penalty of law that the information provided on this form and all attached documents, is true, accurate, and complete to the best of my knowledge. Further, I recognize that by signing this application I am giving consent to employees of the State to enter the subject property (facility) for the purpose of processing this application.

Stage Road Enterprises INC Charles Gunderson President
Printed name of owner. If a corporation, add name and title of authorized representative

Same
Printed name of permittee, if different than owner. If a corporation, add name and title of authorized representative

Charles Gunderson 3/26/99
Signature of owner or owner's representative Date

Charles Gunderson 3/26/99
Signature of permittee or permittee's representative Date

LOCAL USE ONLY

Date recorded September 30, 1999
Book Number 50 Page Number 514
City/Town of Pomfret Land records
Hazel B. Harrington
signature of Town or City Clerk
Amends VT UST Form of record in Book No. 43 Page 488

filed by:
Agency of Natural Resources
Department of Environmental Conservation
UST Program, West Building, 103 South Main Street
Waterbury VT 05671-0404
CK 12190

STATE USE ONLY

[ ] First [X] Amended [X] Notification [X] Permit
[ ] Change of Ownership
[X] Change of Tank Information
[X] Change of Piping Information
Number of COTS ONE Permit fee $30
Fees paid with application $30
Check # 12191 Date received 3/30/99
Reviewed and Approved by Jane Middleton 8/12/99
Facility ID# 4571626 Site# 99-
Financial Responsibility PCF
COMMENTS:

MAR 30 1999

TANK OWNERSHIP Stage Rd Enterprises Inc dba Stage General Store FACILITY ID# 4571626 TANK INFORMATION PART 2

TANK SYSTEM NUMBER						
PRODUCT STORED i.e. gas If product stored is a fuel oil, is it used for other than on-premises heating and domestic hot water?	GAS					
STATUS: Currently in use? Y/N	~~N~~ ✓ 9/99 A1					
To be installed	Spring 1999?					
Temporarily out of service? Y/N						
Date last used (month & year)						
Permanently out of service? Y/N						
Date last used (month & year)						
SIZE: * * * * * * * * * * * * Capacity in gallons	4,000					
Compartments: How Many?	2					
MANIFOLDED to another UST? Y/N	N					
GENERAL INFORMATION (must be completed and details shown on sketch map)						
Distance to nearest building?						
Distance to nearest property line (>5')?						
Distance to water distribution lines?						
Distance to sewer lines?						
Facility served by Public Water Supply? Y/N	N					
Facility has private well? Y/N	Y					
	TANK	**PIPE**	**TANK**	**PIPE**	**TANK**	**PIPE**
AGE: * * * * * * * * * * * * Enter year installed	1999	1999				
MATERIAL OF CONSTRUCTION: Steel	~~✓~~					
Fiberglass		✓				
Fiberglass clad steel						
Polyethylene clad steel	Y					
Flexible (applicable to piping only)						
Other (specify)						
CORROSION PROTECTION: (Applicable to metal tank and pipe only)						
Sti-P3 Tank Y/N						
Impressed current? (date installed)						
To be installed?						
Interior Lining? (date field installed)						
Lining Warranted? Y/N						
Anodes/cathodic Y/N						
Other						
SECONDARY CONTAINMENT:						
Double Wall	Y					
Concrete Vault (P.E. certified)						
Impervious Liner						
Other						
OVERFILL PREVENTION:						
Float Vent Valve (limited use)						
High Liquid Level Alarm						
Automatic Shutoff	X					
Other (specify)						
SPILL PREVENTION:						
5 gallon containment manhole	X					
15 gallon containment manhole						
Other (specify)						
Remote fill? Y/N						
Remote fill secondarily contained? Y/N						

MAR 30 1999

TANK OWNERSHIP Stage Rd Enterprises Inc Tenaja General Store FACILITY ID# 4571626 PAGE 2 OF PART 2

TANK SYSTEM NUMBER (continued)	TANK	PIPE	TANK	PIPE	TANK	PIPE
LEAK DETECTION: check all that apply						
Interstitial a) weekly manual or b) electronic	a.					
In-Tank Monitor						
Groundwater Monitoring Wells						
Vapor Monitoring Wells (**show on sketch map)**						
Tightness Test (month/year of last test)						
Statistical Inventory Reconciliation (SIR)						
SIR Vendor						
Suction pump w/vertical check valve		X yes				
Line Test (year of last test)						
Automatic Line Leak Detector?						
Shear Valve? (Pressurized systems only)						
Anti-Siphon Valve?						
Other						
TYPE OF PUMP: (check all that apply)						
Submersible (pressurized)						
Suction	X					
Gravity						
GASOLINE VAPOR RECOVERY:						
STAGE I installed? Y/N	Y					
Type? Coaxial or 2 Point	2 point					
STAGE II underground piping Y/N						
If yes, year installed						

SKETCH OF TANK FACILITY Draw the location of the underground storage tank(s) and associated piping in the space provided below. Include the building, islands, groundwater or vapor monitoring wells, water and sewer lines, roads, surface waters, and any other pertinent landmark at or adjacent to the facility. Show distances to nearest building, property, water and sewer lines. Computer drawings/Blue prints can be attached and substituted for the sketch.

See attached survey.
I have also enclosed Larry Martins proposal for installation of the new equipment.

WARNING NOTICE: All new tanks must be installed in strict accordance with all applicable laws, rules, regulations, codes, and manufacturer's manual.

NAME OF INSTALLER Larry T. Martin PHONE NUMBER (82) 223-6210

Estimated date of installation (for process of permit application only) MAY 1999

Stage Road Enterprises Inc
DBA TEABO GENERAL STORE

Town Road

COPY

ID# 4571626

NOTES

BEARINGS ARE WITH RESPECT TO APPROXIMATE TRUE NORTH.
REFERENCE IS HAD TO THE LAND RECORDS OF POMFRET:

PARCEL 1

VOL.	PAGE	
30	184	POTTER TO SPITTLE AND JILLSON
29	455	MT. TOM TO POTTER
28	429	ROCKEFELLER TO MT. TOM
28	417	BERTRAM TO ROCKEFELLER

PARCEL 2

30	184	POTTER TO SPITTLE AND JILLSON
24	63	WOOD TO POTTER
24	46	S. PERRY TO WOOD
20	420	E. PERRY'S WIDOW TO S. PERRY
21	106	HODGES TO E. PERRY

S.A.-1 WAS LAID OUT 3 RODS WIDE IN 1824. REFERENCE IS HAD TO TOWN RECORDS VOL. II - P 73. NO RECORD WAS FOUND FOR RIGHT OF WAY LIMITS TO S.A.-2.

APPROXIMATE MAGNETIC DECLINATION
NOVEMBER, 1975 - 15° WEST

AREA SUMMARY

PARCEL 1	
BETWEEN CENTERLINES OF S.A-1 AND S.A.-2	14,244 SQ FT
PORTION WITHIN HIGHWAY RIGHTS OF WAY	8,502 SQ FT
PARCEL 2	
WEST OF CENTERLINE OF S.A.-2	14,397 SQ FT
PORTION WITHIN HIGHWAY RIGHT OF WAY	4,170 SQ FT

total area 28,641 sqft
total within highway ROW 12,672 sqft

1 acre = 43,560 sqft.

area = .66 acre

424.700 / 489.700 APPROX. VT. GRID

CENTERLINE OF TRAVELLED PORTION OF EXISTING HIGHWAY S.A.-1

TIE S21°32'E 39.6

FOUND STONE POST

S63°32'W

25.0' SEPTIC SYSTEM EASEMENT

POTTER M/F

GAS PUMPS

194.0

TIE N53°53'W 67.9'

44.78'

CENTERLINE OF TRAVELLED PORTION OF EXISTING HIGHWAY S.A.-2

HIGHWAY EASEMENT TO THIS LINE

POWER LINE

100'

HIGHWAY EASEMENT TO THESE LINES

STORE

40'

124.0'

FOUND IRON PIN

S08°30'E

24.75'

WELL

POMFRET BROOK

25.8'

141.0'

N18°30'E

TIE N09°47'E 154.2'

N23°00'E

25.3'

N53°00'W 9.0'

DEAD ELM

TO POMFRET CENTER

N68°00'E

25.5'

S08°30'E

ALONG WEST BANK OF BROOK

POWER LINE

MOUNT TOM SKI AREAS, INC
M/F

TOWN OF POMFRET
VOL. 21 - P 45 (KEY REFERENCE - HODGES TO ABBOTT)

TO BARNARD

LEGEND

BOUNDARY POINT
BOUNDARY LINE
REFERENCE LINE
STREAM
POWER POLE

APPROX. VT. GRID
489.500 / 424.700

new tanks will be located where gas pumps are shown on this survey.

STATE OF VERMONT
RALPH J. MICHAEL 130
REGISTERED LAND SURVEYOR

I HEREBY CERTIFY THAT I HAVE CAUSED A SURVEY TO BE MADE OF THE LANDS SHOWN HEREON, AND THAT THIS PLAT IS A TRUE REPRESENTATION THEREOF.

DATE: NOVEMBER 13 1975

CLOVER CORPORATION

GARAGE AND STORE PROPERTY
IN SOUTH POMFRET

LOCATION	POMFRET, VERMONT		
SURVEY	RJM	DRAWN RJM, AJ	CHECKED
PROJ. NO.	75-74	DWG. NO. 75-74.1	REVISION

MICHAEL ENGINEERING COMPANY
PLYMOUTH, VERMONT

20 0 20 40 60 80

SCALE: 1 INCH = 20 FEET

MAR 18 1994

MAR 30 1994

Vermont Underground Storage Tank Form

Notification and Permit Application (if applicable)

Read instruction sheet carefully before completing this form. Please type or print in ink all items except for the "signature." For additional information call The Vermont Underground Storage Tank Program at **(802) 241-3888**

I. OWNERSHIP OF TANKS

Name Charles + Alice Gunderson
(CORPORATION, INDIVIDUAL, PUBLIC AGENCY, OR OTHER ENTITY)

Mailing Address Box 104

City So Pomfret State VT Zip 05067

Phone (802) 457-2921

II. OPERATOR OF TANKS (if different than owner)

Name Stage Rd Enterprises Inc Dba Teago General Store
(CORPORATION, INDIVIDUAL, PUBLIC AGENCY, OR OTHER ENTITY)

Mailing Address Box 127

City So Pomfret State VT Zip 05067

Phone (802) 457-1626

III. CONTACT PERSON

(person responsible for the day to day operation of tanks)

☒ Check if same as owner

☐ Check if same as operator

If different than owner or operator:

Name

Mailing Address

City State Zip

Phone ( )

IV. LOCATION OF THE TANKS

Name Teago General Store
(TRADE NAME, COMPANY NAME OR DBA)

Street Address Stage Rd
(ROAD NAME, HIGHWAY #)

~~City~~/Town S. Pomfret, VT Zip 05067

County Windsor

Phone (802) 457-1626

V. SITE LEAK HISTORY (if applicable)

a) Year of Tank or Piping Leak -0-

Substance Leaked -0-

b) For Overfill or Spill in excess of 25 gallons:

Year of Overfill/Spill -0-

Substance Overfilled/Spilled -0-

TANK REMOVAL Year _____ HOW MANY _____

Replacement _____ Site Assessment _____

VI. TYPE OF FACILITY (check one)

☐ Institutional	☐ State
☐ Bulk Plant	☐ Town
☒ Retail	☐ Federal
☐ Commercial	☐ Farm
☐ Service Station	☐ Residential

VII. PERMITTEE

(person or entity filing for Category One Tank Permit, if applicable)

☒ Check if same as owner

☒ Check if same as operator

☐ NA Registered tanks only

VIII. NUMBER OF TANKS AT THIS LOCATION

2 Number owned by person named in I. above

_____ Number owned by another party

Owned by: _____

IX. LANDOWNER

Name Charles and Alice Gunderson

CERTIFICATION

I certify under penalty of law that the information provided on this form and all attached documents, is true, accurate, and complete to the best of my knowledge.

Charles Gunderson
Printed name of owner. If a corporation, add name and title of authorized representative

Stage Rd Enterprises, Inc Dba Teago General Store
Printed name of permittee if different than owner. If a corporation, add name and title of authorized representative

Charles Gunderson — Date 3/17/94
Signature of owner or owner's representative

Charles Gunderson, President — Date 3/17/94
Signature of permittee or permittee's representative

LOCAL USE ONLY

Date recorded March 25, 1994

Book Number 43

Page Number 488

Town of POMFRET Land Records

Hazel B. Harrington
Signature of Town or City Clerk

Amends VT form of record in Book No. 34, Page 540

filed by:
Agency of Natural Resources
Department of Environmental Conservation
UST Program, West Building
103 South Main Street
Waterbury, VT 05671-0404

CK 3514

STATE USE ONLY

☐ First ☑ Amended ☒ Notification ☒ Permit

☑ Change of Ownership

☐ Change of Tank Information

Number of COTs 2 Permit Fee $ 50 p.a.

Check # _____ Amount $ _____

Date Received 3/18/94 Date Issued ✓

June Middleton UST Program
(Notification Approval)

_____
(Permit Approval)

LUST Site Number _____

Date Permit Expires _____

Facility ID Number 4571626

Assessment Number _____

UNDERGROUND STORAGE TANK PERMANENT CLOSURE FORM

Agency Use Only
Facility ID# 457 1626
Date of scheduled activity: _____
Facility Town _____
DEC Official _____ Eval. by _____

Vermont Agency of Natural Resources
Dept.of Environmental Conservation
Waste Management Division
103 South Main Street, West Building
Waterbury, Vermont 05671-0404
Telephone: (802) 241-3888

Site assessment company: GRIFFIN ENT.
Site assessor: DON TOURANGEAU
Phone Number of company (or person): (802) 885-4288
Date of UST closure: 8-30-99
Date of site assessment: 8/30-9-1/99

Section A. Facility Information:
Name of facility: TEAGO GENERAL STORE Number of employees: 6
Street address of facility: 2035 STAGE ROAD, S. POMFRET
Owner of UST(s) to be closed: CAROL GUNDERSON Contact(if different than owner): SAME
Mailing address of owner: PO BOX 127 S. POMFRET VT 05067
Telephone number of owner: 802-457-1626 Contact telephone #: _____

Section B. UST Closure Information: (please check one)
Reason for initiating UST closure: __Suspected Leak ___Liability X Replacement __Abandoned
Which Portion of UST is to be closed: __Tanks ___Piping X Tanks & Piping

USTs (piping is considered a part of UST system) undergoing permanent closure. Include condition of USTs

UST #	Product	Size (gallons)	Tank age	Tank Condition	Piping age	Piping condition
1	REGULAR UNLEADED	6000	17	EXCELLENT	17	POOR
2	SUPER UNLEADED	6000	17	EXCELLENT	17	POOR
3	UNKNOWN	1250	UNKNOWN	POOR	N/A	N/A
4	UNKNOWN	1250	UNKNOWN	POOR	N/A	N/A

Which tanks, if any, will be closed in-place: USTs# 0 Authorized by: _____ Date: _____
Disposal/destruction of removed UST(s): Location STORAGE AREA Method _____ Date: _____
Amount (gal.) and type of waste generated from USTs: < 10 GALLONS
(tank contents are hazardous wastes unless recovered as usable product)
Tank cleaning company **(must be trained in confined space entry)** MARTINS PUMPO TANK
Certified hazardous waste hauler : NOT DETERMINED Generator ID number: N/A

Section C. Initial site characterization:
Work in this section must be completed by a professional environmental consultant or hydrogeologist with experience in environmental sampling for the presence of hazardous materials. A full report from the consultant must accompany this form.

PID information:
Make: MINI-RAE Model: PGM101 Calibration information (date, time, gas): 8/30, 8/31, 9/1 ISO

Excavation information: *(some tank pulls require more than one excavation)*

Tank(s) # and Excavation (A,B,C,etc)	Depth (ft)	Excavation size(ft³)	Peak PID reading	Depth of Peak (ft)	Avg PID reading	Bedrock Depth (ft)	Groundwater encountered? (y/n) and at depth (ft)	Soil type
1&2	11	840	10.6	11'	1.7	N/A	Y 11'	3/8-1/2" PEASTONE
3&4	11	480	320	N/M	310	N/A	Y 11'	DARK COARSE SAND/GRAVEL/COBBLES
A	3'	16	178	3'	178	N/A	NO	GRAVEL

Locate all readings and samples on site diagram
Number of soil samples collected for laboratory analysis? 0 results due date _____
Have any soils been polyencapsulated on site? Yes ✓ (#yds³ 80% PID range above zero low 10.6 - 320 peak) No ___
Have any soils been transported off site? Yes ___ list amount (yds³): 0 No ✓
Location transported to: N/A DEC official who approved N/A
Amount of soils backfilled(yds³): >40 PID range above zero low 0 - 17.6 peak
Have limits of contamination been defined? Yes ___ No X
Is there any other known contamination on- site? Yes X No ___ Comments: SEE NARRATIVE REPORT

Free Phase product encountered? Yes X thickness SHEEN No ___
Groundwater encountered? Yes X depth(ft) 11' No ___
Are there existing monitoring wells on-site? Yes ___ how many: ___ (locate on site diagram) No X
Have new monitoring wells been installed? Yes ___ how many: ___ (locate on site diagram) No X
Have samples been taken from any monitoring wells for lab analysis? Yes ___ results due date ___/___/___ No X

Is there a water supply well on site? Yes ✓ (check type: shallow UNKNOWN rock ___ spring ___) No ___
How many public water supply wells are located within a 0.5 mile radius? 0 min. distance (ft.): 0
How many private water supply wells located within a 0.5 mile radius? 10+ min distance (ft.): 200'

What receptors have been impacted? ✓ soil ___ indoor air ✓ groundwater ___ surface water ___ water supply

SEP 13 1999

Facility ID# _____

Section D: Tanks/Piping Remaining/installed

Regardless of size, include USTs at site as to *status, e.g. "abandoned", "in use", or "to be installed". (Most installations require permits and advance notice to this office.)

UST#	Product	Size(gallons)	Tank age	*Tank status	Piping age	*Piping Status
6	UNLEADED GASOLINE	4000/SPLIT	NEW	TBI	NEW	TBI
5	GASOLINE	~~500~~ 1000	UNKNOWN	INUSE	UNKNOWN	INUSE

___There are no other tanks at this site.

Section E. Statements of UST closure compliance:
(must have both signatures or site assessment not complete)

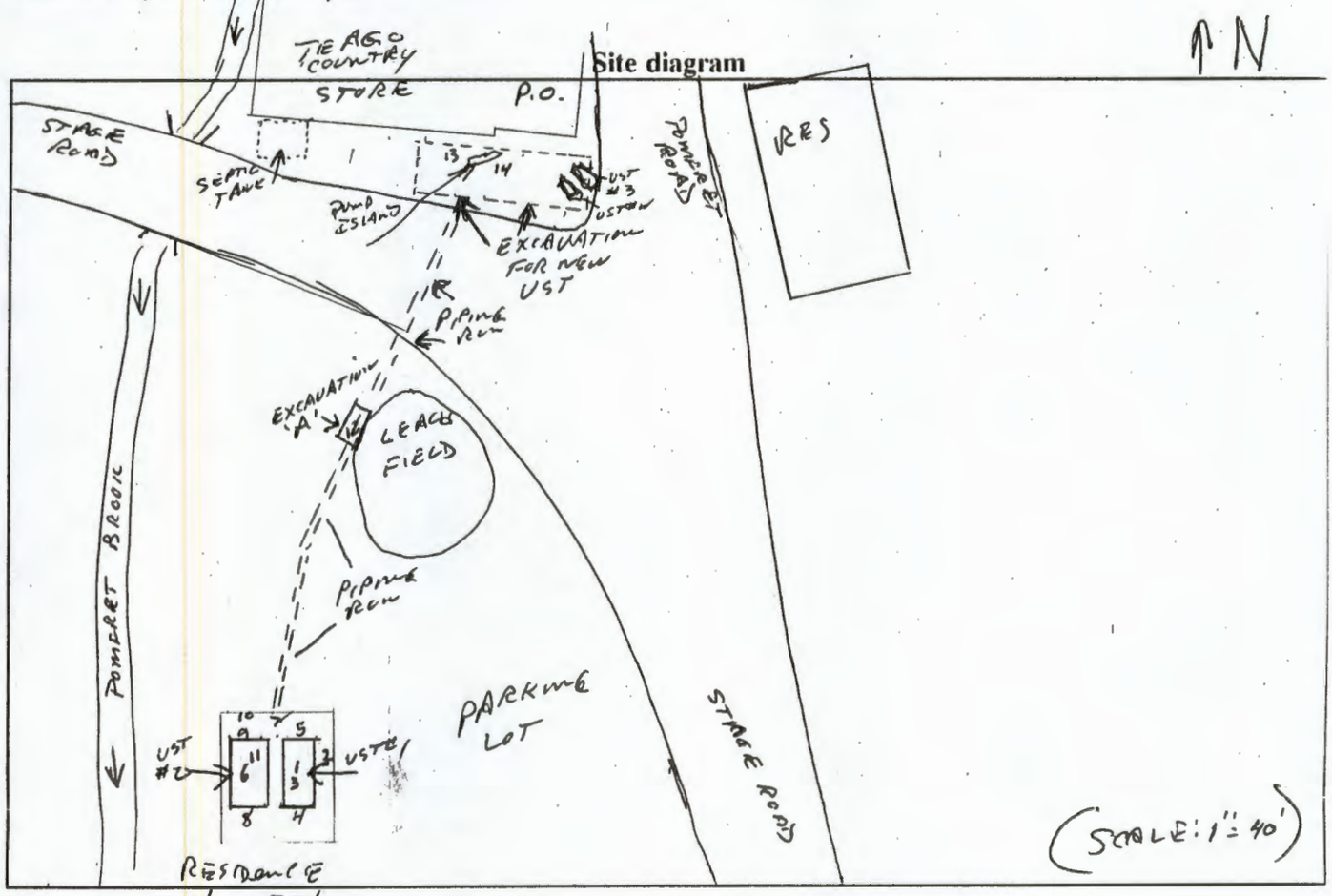
As the party responsible for compliance with the Vermont UST Regulations and related statutes at this facility, I hereby certify that the all of the information provided on this form is true and correct to the best of my knowledge.

Charles Grisamore Date: 9/1/99
Signature of UST owner or owner's authorized representative

As the environmental consultant on site, I hereby certify that the site assessment requirements were performed in accordance with DEC policy and regulations, and that information which I have provided on this form is true and correct to the best of my knowledge.

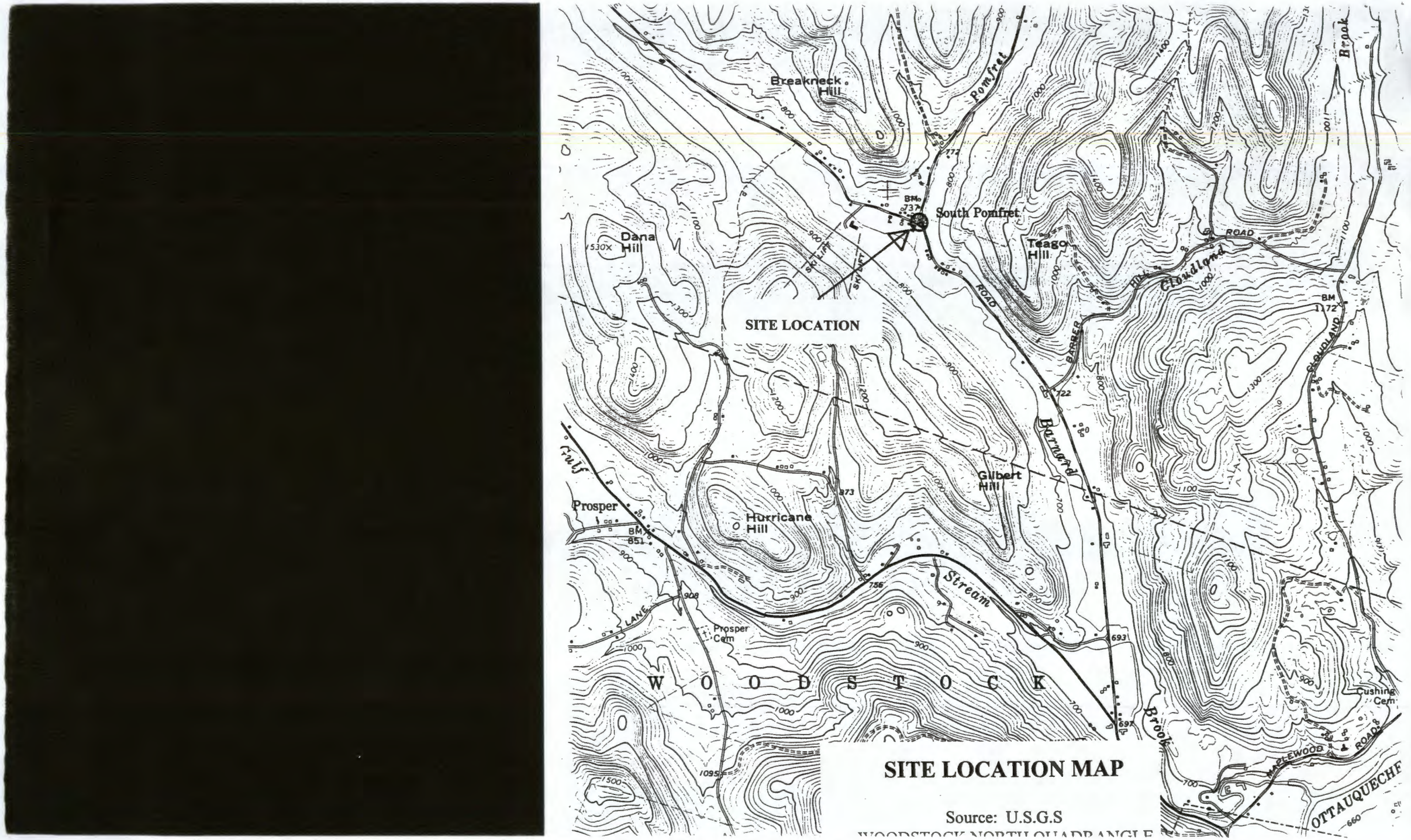
David A. Tousignant Date: 9-1-99
Signature of Environmental Consultant

Site diagram



Return form along with complete narrative report and photographs to the Department of Environmental Conservation(DEC), Underground Storage Tank Program within 72 hours of closure.

This Closure Form may only be issued for the facility and the date indicated in the upper left hand corner of page 1. **Changes in the scheduled closure date should be phoned in at least 48 hours in advance.** Both the yellow and white copies of this form must be returned to the address on the top of page 1 of this form; the pink copy should be retained by the UST owner. A written report from an environmental consultant covering all aspects of closure and site assessment, complete with photographs and any other relevant data, must accompany this form. All procedures must be conducted by qualified personnel, to include training required by 29 CFR 1910.120. Documentation of all methods and materials used must be adequate. All work must be performed in compliance with DEC policy "UST Closure and Site Assessment Requirements" as well as all applicable statues, regulations, and additional policies. The DEC may reject inadequate closure forms and reports.



SITE LOCATION MAP

Source: U.S.G.S

WOODSTOCK NORTH QUADRANGLE

Referral to Sites Management Section

TO: **Chuck Schwer**, Sites Management Section Supervisor
THRU: **June Middleton**, UST Program Permit Administrator
FROM: AS
DATE: 9/13/99

On 9/13/99 the Management and Prevention Section was notified of existence of petroleum contamination due to a leaking underground storage tank (LUST) found during UST closure or monitoring activities at Trago General Store. The petroleum contamination was reported by Don Tourangeau of Griffin International.
Phone # of person reporting release 865-4288
Name of facility owner (contact) Charles & Alice Gunderson
Phone # of facility owner (contact) 457 1626
Facility ID # 457 1626

Responsible Party (RP)

Was land owner **DIRECTED** by the DEC to removed the UST(s)? NO / YES
Is land owner eligible for reimbursement for cost of removing the UST(s)? NO / YES
Were UST(s) permitted for operation at the time of removal? NO / YES
If UST(s) abandoned, what was the year of abandonment
USE of UST(s) at the time of abandonment or removal?
Farm / Residential / Commercial / Service ~~Station / Retail / State / Federal~~

UST Financial Responsibility:

Petroleum Cleanup Fund Assessment #
PCF Eligible NO / YES
Deductible NO / YES
Cost Recovery applicable NO / YES
If Yes, reason

Sue, I pushed this through to June

Self Insured NO / YES
Insurance Company
Federal Insured NO / YES

This SITE is believed to involve:

Soil Contamination	NO	YES	MAYBE
Groundwater Contamination	NO	YES	MAYBE
Free Product	NO	YES	MAYBE
Vapor Impact to Buildings	NO	YES	MAYBE
Threatened / Impacted Water Supply	NO	YES	MAYBE
Surface Water Impact	NO	YES	MAYBE

Attached is a copy of the UST Permanent Closure Form / UST Closure Assessment / Trip Report

COMMENTS: Priority Site water supplies nearby. Leachfield impact surface water impact. PCS Granted, ~~may not be PCF Eligible~~

UNDERGROUND STORAGE TANK PERMANENT CLOSURE FORM

Agency Use Only
Facility ID# 457 1626
Date of scheduled activity:
Facility Town
DEC Official ____ Eval. by ____

Vermont Agency of Natural Resources
Dept.of Environmental Conservation
Waste Management Division
103 South Main Street, West Building
Waterbury, Vermont 05671-0404
Telephone: (802) 241-3888

Site assessment company: GRIFFIN INT.
Site assessor: DON TOURANGEAU
Phone Number of company (or person): (802) 865-4288
Date of UST closure: 8-30-99
Date of site assessment: 8/30-9/1/99

Section A. Facility Information:
Name of facility: TEAGO GENERAL STORE Number of employees: 6
Street address of facility: 2035 STAGE ROAD, S. Pomfret
Owner of UST(s) to be closed: CAROL GUNDERSON Contact(if different than owner): SAME
Mailing address of owner: PO BOX 127 S. POMFRET VT 05067
Telephone number of owner: 802-457-1626 Contact telephone #:

Section B. UST Closure Information: (please check one)
Reason for initiating UST closure: __Suspected Leak ___Liability X Replacement __Abandoned
Which Portion of UST is to be closed: __Tanks ___Piping X Tanks & Piping

USTs (piping is considered a part of UST system) undergoing permanent closure. Include condition of USTs

UST #	Product	Size (gallons)	Tank age	Tank Condition	Piping age	Piping condition
1	REGULAR UNLEADED	6000	17	EXCELLENT	17	POOR
2	SUPER UNLEADED	6000	17	EXCELLENT	17	POOR
3	UNKNOWN	1250	UNKNOWN	POOR	N/A	N/A
4	UNKNOWN	1250	UNKNOWN	POOR	N/A	N/A

Which tanks, if any, will be closed in-place: USTs# 0 Authorized by: ____ Date: ____
Disposal/destruction of removed UST(s): Location EARTHMOVING ASSET Method ____ Date: 8/30
Amount (gal.) and type of waste generated from USTs: < 10 GALLONS
(tank contents are hazardous wastes unless recovered as usable product)
Tank cleaning company **(must be trained in confined space entry)** MARTINS PUMPTANK
Certified hazardous waste hauler : NOT DETERMINED Generator ID number: N/A

Section C. Initial site characterization:
Work in this section must be completed by a professional environmental consultant or hydrogeologist with experience in environmental sampling for the presence of hazardous materials. A full report from the consultant must accompany this form.

PID information:
Make: HNU Model: PIW101 Calibration information (date, time, gas): 8/30, 8/31, 9/1 JSO

Excavation information: *(some tank pulls require more than one excavation)*

Tank(s) # and Excavation (A,B,C,etc)	Depth (ft)	Excavation size(ft³)	Peak PID reading	Depth of Peak (ft)	Avg PID reading	Bedrock Depth (ft)	Groundwater encountered? (y/n) and at depth (ft)	Soil type
1&2	11	840	10.6	11'	1.7	N/A	Y 11'	3/8-1/2" PEASTONE
3&4	11	480	320	N/M	310	N/A	Y 11'	DARK COARSE SAND/GRAVEL/COBBLES
A	3'	16	178	3'	178	N/A	NO	GRAVEL

Locate all readings and samples on site diagram
Number of soil samples collected for laboratory analysis? 0 results due date ____
Have any soils been polyencapsulated on site? Yes ✓ (#yds³ 80% PID range above zero low 0 - 320 peak) No ____
Have any soils been transported off site? Yes ___ list amount (yds³): 0 No ✓
Location transported to: N/A DEC official who approved N/A
Amount of soils backfilled(yds³): >40 PID range above zero low 0 - 178 peak
Have limits of contamination been defined? Yes ___ No X
Is there any other known contamination on- site? Yes X No ___ Comments: SEE NARRATIVE REPORT

Free Phase product encountered? Yes X thickness SHEEN No ____
Groundwater encountered? Yes X depth(ft) 11' No ____
Are there existing monitoring wells on-site? Yes ____ how many: ____ (locate on site diagram) No X
Have new monitoring wells been installed? Yes ____ how many: ____ (locate on site diagram) No X
Have samples been taken from any monitoring wells for lab analysis? Yes ___ results due date ___/___/___ No X

Is there a water supply well on site? Yes ✓ (check type: shallow UNKNOWN rock ___ spring ___) No ____
How many public water supply wells are located within a 0.5 mile radius? 0 min. distance (ft.): 0
How many private water supply wells located within a 0.5 mile radius? 10+ min distance (ft.): 200'

What receptors have been impacted? ✓ soil ___ indoor air ✓ groundwater ___ surface water ___ water supply

SEP 13 1999

Facility ID#_____

Section D: Tanks/Piping Remaining/installed

Regardless of size, include USTs at site as to *status, e.g. "abandoned", "in use", or "to be installed". (Most installations require permits and advance notice to this office.)

UST#	Product	Size(gallons)	Tank age	*Tank status	Piping age	*Piping Status
6	UNLEADED GASOLINE	4000/SAID	NEW	TBI	NEW	TBI
5	GASOLINE	~~500~~ 1000	UNKNOWN	INUSE	UNKNOWN	INUSE

___There are no other tanks at this site.

Section E. Statements of UST closure compliance:
(must have both signatures or site assessment not complete)

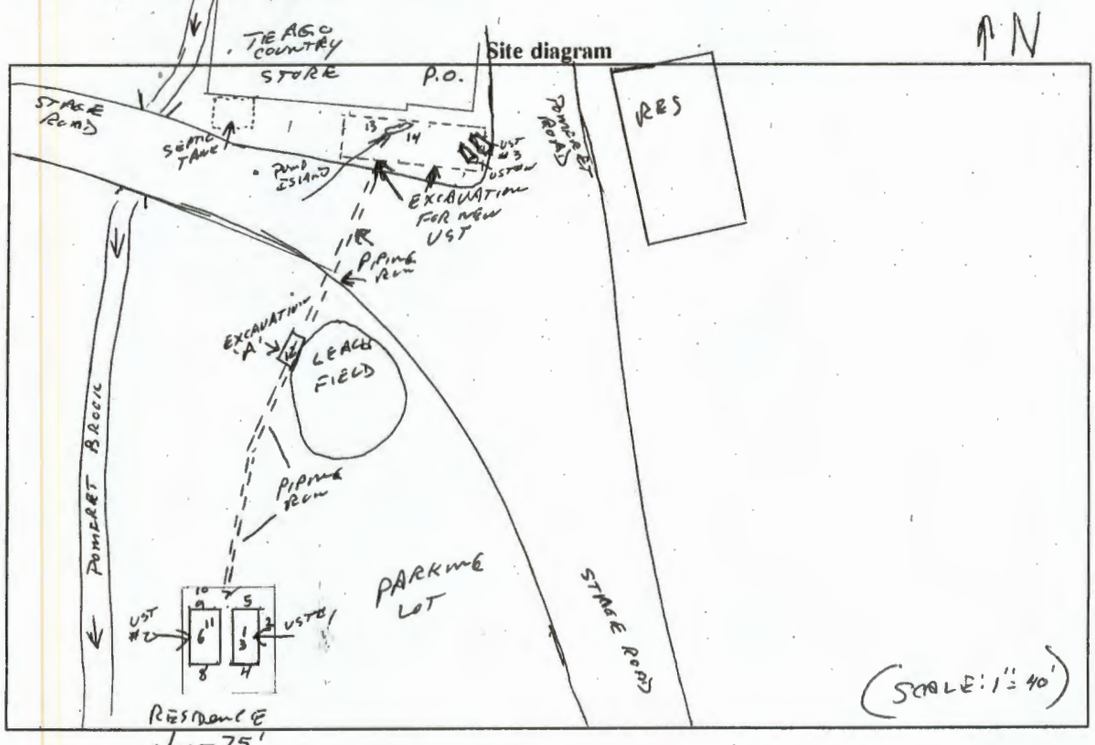
As the party responsible for compliance with the Vermont UST Regulations and related statutes at this facility, I hereby certify that the all of the information provided on this form is true and correct to the best of my knowledge.

Charles Gruber Date: 9/1/99
Signature of UST owner or owner's authorized representative

As the environmental consultant on site, I hereby certify that the site assessment requirements were performed in accordance with DEC policy and regulations, and that information which I have provided on this form is true and correct to the best of my knowledge.

David J. Tousignant Date: 9-1-99
Signature of Environmental Consultant

Site diagram



Return form along with complete narrative report and photographs to the Department of Environmental Conservation(DEC), Underground Storage Tank Program within 72 hours of closure.

This Closure Form may only be issued for the facility and the date indicated in the upper left hand corner of page 1. **Changes in the scheduled closure date should be phoned in at least 48 hours in advance.** Both the yellow and white copies of this form must be returned to the address on the top of page 1 of this form; the pink copy should be retained by the UST owner. A written report from an environmental consultant covering all aspects of closure and site assessment, complete with photographs and any other relevant data, must accompany this form. All procedures must be conducted by qualified personnel, to include training required by 29 CFR 1910.120. Documentation of all methods and materials used must be adequate. All work must be performed in compliance with DEC policy "UST Closure and Site Assessment Requirements" as well as all applicable statues, regulations, and additional policies. The DEC may reject inadequate closure forms and reports.

Referral to Sites Management Section

TO: **Chuck Schwer**, Sites Management Section Supervisor
THRU: **June Middleton**, UST Program Permit Administrator
FROM: AS
DATE: 9/13/99

On 9/13/99 the Management and Prevention Section was notified of existence of petroleum contamination due to a leaking underground storage tank (LUST) found during UST closure or monitoring activities at Texaco General Store. The petroleum contamination was reported by Don Tourangeau of Griffin International.
Phone # of person reporting release 865-4288
Name of facility owner (contact) Charles & Alice Gunderson
Phone # of facility owner (contact) 457 1626
Facility ID # 4571626

Responsible Party (RP) Charles & Alice Gunderson Stage Rd Enterprises Inc.
Was land owner **DIRECTED** by the DEC to removed the UST(s)? NO / YES
Is land owner eligible for reimbursement for cost of removing the UST(s)? NO / YES
Were UST(s) permitted for operation at the time of removal? NO / YES
If UST(s) abandoned, what was the year of abandonment _____
USE of UST(s) at the time of abandonment or removal?
Farm / Residential / Commercial / Service Station / Retail / State / Federal

UST Financial Responsibility:
Petroleum Cleanup Fund Assessment # 500
PCF Eligible NO / (YES) $100
Deductible NO / (YES)
Cost Recovery applicable (NO) / YES
If Yes, reason _____

Self Insured NO / YES
Insurance Company _____
Federal Insured NO / YES

This SITE is believed to involve:

Soil Contamination	NO	(YES)	MAYBE
Groundwater Contamination	NO	(YES)	MAYBE
Free Product	NO	YES	(MAYBE)
Vapor Impact to Buildings	NO	YES	(MAYBE)
Threatened / Impacted Water Supply	NO	(YES)	MAYBE
Surface Water Impact	NO	YES	(MAYBE)

Attached is a copy of the UST Permanent Closure Form / UST Closure Assessment / Trip Report

COMMENTS: Priority Site water supplies nearby. Leachfield impact surface water impact. PCS Granted, ~~may not be PCF Eligible~~

SEP 13 1999

GRIFFIN INTERNATIONAL INC

September 10, 1999

Ms. Sue Thayer
State of Vermont
Department of Environmental Conservation
Waste Management Division
103 South Main Street/West Building
Waterbury, VT 05671-0404

RE: UST Closure Inspection, Teago Country Store, South Pomfret, Vermont
Facility ID #: 4571626

Dear Ms. Thayer:

On August 30 through September 1, 1999, I conducted an investigation of the closure of the UST system at the Teago Country Store, located on Stage Road in South Pomfret, Vermont. Enclosed are the completed State of Vermont tank pull inspection forms, a site location map, site photographs and a site expressway form.

The USTs undergoing permanent closure consisted of 2 - 6,000 gallon single wall fiberglass USTs. The piping from the USTs to the former dispenser island consisted of single wall galvanized pipe. Two additional USTs, each having a capacity of 1,250 gallons, were discovered to exist in the vicinity of the former dispenser island. These USTs were constructed of single wall steel. The inspection and closure of the additional USTs was conducted as part of this closure inspection.

The USTs and piping were excavated by Gravel Construction of Wolcott, Vermont. Removal and transport of the USTs was also conducted by Gravel Construction. Cleaning of the USTs was conducted by Larry Martin of Martin's Pump & Tank of Worcester, VT. No waste was generated from the tank cleaning process. All pumpable fuel was removed from the USTs prior to ventilating of the USTs. No water or debris were present upon opening the fiberglass USTs. Disposal of the fiberglass USTs was conducted at a local farmer, who was to use the former fiberglass USTs as storage for sawdust. The two steel USTs were to be disposed of at Gates Salvage in Hardwick. Piping associated with the UST system removed will also be disposed of at Gates Salvage. Piping under the road was blown free of product and abandoned. This was agreed to by Mr. Ted Unkles in a phone conversation conducted by Mr. Larry Martin prior to the UST closure activities starting. All other piping from the former UST basin to the roadway was removed and inspected.

The 2 – 6,000 gallon fiberglass USTs were inspected and found to be in excellent condition. The age of the two fiberglass USTs is 17 years, with the piping and USTs having been installed in 1983. The piping was visually inspected for signs of petroleum leakage or penetrations after removal, with the piping found to be in poor condition at the connections, with all joints only hand tight. No holes in the piping were identified. Soils in the vicinity of the piping had a VOC concentration of 178 ppm in a sample collected from a depth of 3'. During excavation for the new UST installation, the two unexpected USTs were encountered. During attempts to open the tops of the USTs, both ruptured, with the sand inside flowing into the excavation. The age of these two USTs was unknown. Based on conversations with local residents

P.O. Box 943 • Williston, VT 05495 • Phone 802-865-4288 • Fax 802-657-4129
59 Clinton Street • Plattsburgh, NY 12901 • Phone 518-562-4666 • Fax 518-561-6832

and construction of the USTs, it is estimated the USTs are over 50 years old. The two 1,250 gallon USTs were partially filled with sand, indicating closure in place had been attempted in the past.

The soils excavated to gain access to the fiberglass USTs consisted of 3/8" – 1/2 " peastone, with dark brown, coarse loam with cobbles and trace amounts of clay present on the outer limits of the UST excavation and covering the piping. This was the same soil consistency in the vicinity of the new UST installation. Groundwater was encountered during the UST excavation at a depth of 11'. Bedrock was not encountered. A concrete pad exists on the bottom of the former UST basin, at a depth of approximately 12'. No exploratory excavation was conducted past the concrete pad. All soils excavated in the vicinity of the new UST installation were stockpiled onsite.

All residences and businesses in the area of the site are served by individual water supplies and septic systems. Potential receptors identified during the investigation include several nearby buildings and a small stream, Pomfret Brook, located west of the site. The eastern bank of the Pomfret Brook was visually inspected for any signs of petroleum impact, with none identified. The supply well for the store is located in the basement, with a total depth of approximately 120'. The depth was an estimate by a plumber who recently replaced the pump in the well at the store.

A total of 13 soil samples and one water sample were collected from the excavations and screened for volatile organic compounds (VOCs) with an H-Nu Model HW 101 photo ionization device (PID). All PID readings were recorded, with a peak VOC concentration of 320 ppm (parts per million) recorded from a sample collected from the vicinity of the former dispenser island. All soil samples were collected and screened in accordance with Griffin soil sampling protocols.

The PID was properly calibrated in accordance with Griffin protocols prior to use. The location, depth and VOC concentration for each sample are tabulated below.

Sample	Location/Excavation	Depth	VOC Concentration
1	UST # 1 fill pipe, top of tank	3'	0 ppm
2	UST # 1 east side	6'	0 ppm
3	UST # 1 piping connection	3'	0 ppm
4	UST #1 south end/basin	11'	0 ppm
5	UST #1 north end/basin	11'	0 ppm
6	UST #2 piping/top of tank	3'	0.8 ppm
7	Piping run, north edge of excavation	3'	1.2 ppm
8	UST #2 south end/basin	11'	0.8 ppm
9	UST #2 north end/basin	11'	4.6 ppm
10	UST #2 northwest corner	11'	0.8 ppm
11	Water sample/UST #2 basin	11'	10.4 ppm
12	piping excavation "A"	3'	178 ppm
13	New UST excavation/former dispensers	N/M	320 ppm
14	New UST excavation	N/M	300 ppm

Based on data collected during the investigation and visual observations, I have arrived at the following conclusions:

1) The two fiberglass USTs were in excellent condition, with no signs of leakage.

2) Soil contamination was detected during the closure inspection, with the peak level of 320 ppm being recorded from soils located under the former dispenser island. This level of contamination is believed to have resulted from leakage from the piping connections/joints.

3) All businesses and residences located in the immediate vicinity of the site are served by individual water supplies and septic systems.

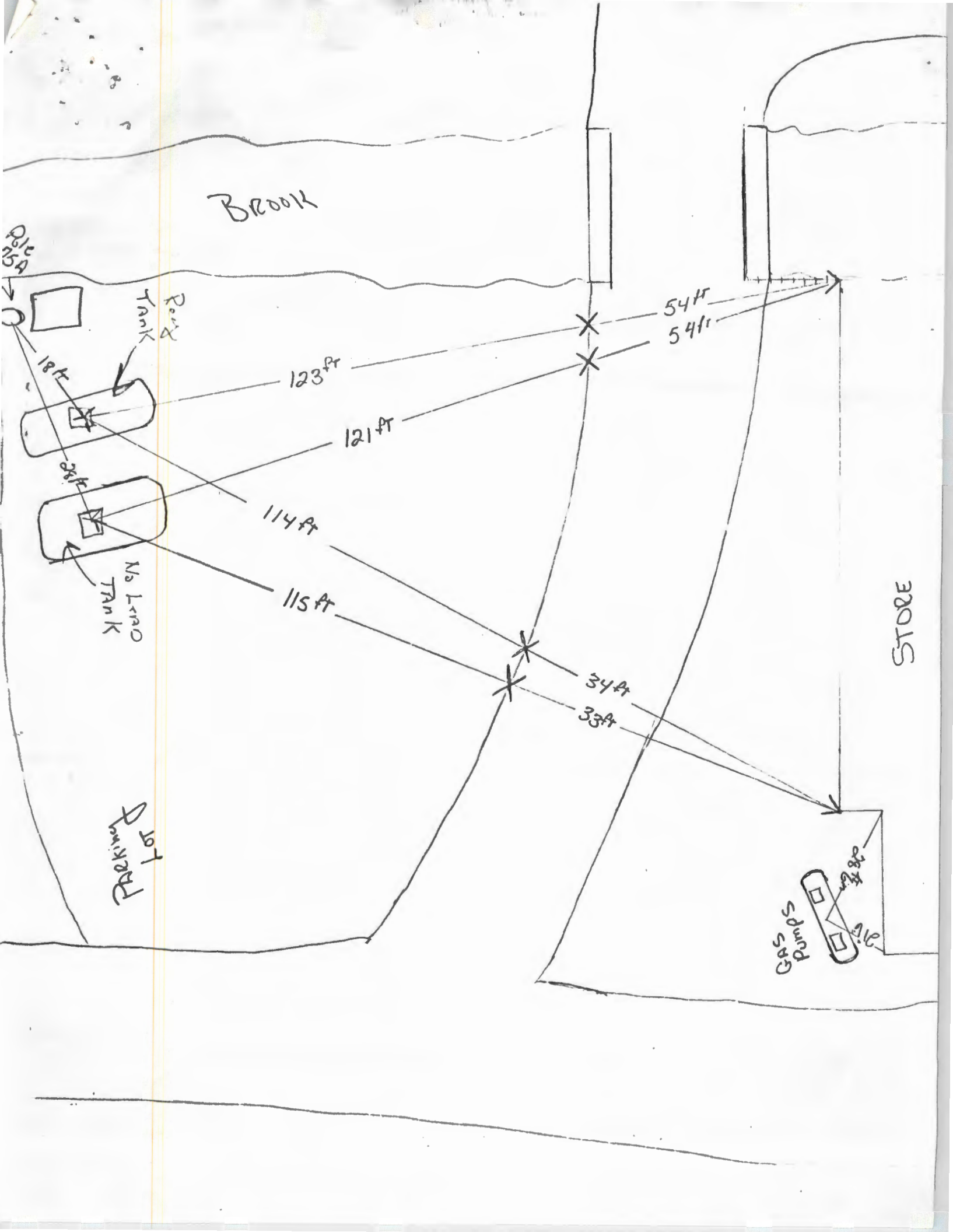
4) The degree and extent of petroleum contamination at this site have not been defined.

If you have any questions regarding this closure report, give me a call at your convenience.

Sincerely,

Don Tourangeau
Environmental Technician

c. Mr. Chuck Gunderson, Teago Country Store
Mr. Larry Martin, Martin's Pump & Tank
file a:89941601


BROOK
Old Well
Tank
Road
18 ft
123 ft
121 ft
54 ft
54 ft
38 ft
114 ft
115 ft
No Lead
Tank
34 ft
33 ft
STORE
Parking Lot
Gas Pumps

2-19 WL

returned 9/28 JAN 31 1986 DEC 13 1985

VERMONT NOTIFICATION FOR UNDERGROUND STORAGE TANKS

-READ INSTRUCTION PAGE CAREFULLY BEFORE COMPLETING THIS FORM-

PLEASE TYPE OR PRINT IN INK ALL ITEMS EXCEPT "SIGNATURE" IN SECTION VI ON PAGE 2.
SEPARATE NOTIFICATION MUST BE FILED FOR TANKS OWNED AT A DIFFERENT LOCATION.
FOR ADDITIONAL INFORMATION, CALL THE VERMONT UNDERGROUND STORAGE TANK PROGRAM AT (802) 828-3395.

I. OWNERSHIP OF TANKS

NAME (CORPORATION, INDIVIDUAL, PUBLIC AGENCY OR OTHER ENTITY)
Rhoda Teagle dba Teago Management (Gary Brown)

STREET ADDRESS
14 Central Street

TOWN OR CITY: Woodstock
COUNTY: Windsor
STATE: Vermont
ZIP CODE: 05091
AREA CODE PHONE NUMBER: (802) 457-1370

II. CONTACT PERSON (PERSON RESPONSIBLE FOR DAY-TO-DAY OPERATION OF TANKS.)

NAME (IF SAME AS IN SECTION I, CHECK BOX HERE ☐)
Lee Pratt, Manager

JOB TITLE: manager of Teago General Store
AREA CODE PHONE NUMBER: (802) 457-1626

MAILING ADDRESS (IF DIFFERENT FROM SECTION I)
STREET ADDRESS: Teago General Store (Barnard Stage Rd)
TOWN OR CITY: South Pomfret
COUNTY: Windsor
STATE: Vermont
ZIP CODE: 05067

III. SITE LEAK HISTORY (COMPLETE THIS SECTION ONLY IF APPLICABLE)

YEAR OF LEAK: n/a
ESTIMATE OF QUANTITY LEAKED IN GALLONS:
SUBSTANCE LEAKED:

SOURCE OF LEAK (CHECK ALL THAT APPLY)
☐ TANK ☐ PUMP ☐ OVERFILL
☐ PIPING ☐ TRANSFER ☐ OTHER

CONTAMINATION (CHECK ALL THAT APPLY)

	YES	NO	DON'T KNOW
SOIL	☐	☐	☐
GROUNDWATER	☐	☐	☐
SURFACE WATER	☐	☐	☐

CORRECTIVE ACTION (CHECK ALL THAT APPLY)
☐ PRODUCT RECOVERY WELLS INSTALLED
☐ SURFACE WATER CONTAINMENT USED
☐ CONTAMINATED SOIL EXCAVATED
☐ TANK REPLACED
☐ PIPING REPLACED
☐ NO ACTION TAKEN
☐ OTHER (SPECIFY)

IV. LOCATION OF TANKS

FACILITY NAME OR OTHER SITE IDENTIFIER, AS APPLICABLE
Teago General Store
STREET ADDRESS, STATE ROAD, R.R. #, AS APPLICABLE
Barnard Stage Road
TOWN OR CITY: ~~South~~ Pomfret
COUNTY: Windsor
STATE: Vermont
ZIP CODE: 05067
NUMBER OF TANKS AT THIS LOCATION: two
NAME OF LANDOWNER: Teago Management

TYPE OF FACILITY (CHECK ONE)
☐ INSTITUTIONAL ☒ RETAIL/CONVENIENCE STORE
☐ BULK PLANT ☐ INDUSTRIAL/COMMERCIAL
☐ STATE ☐ RESIDENTIAL
☐ TOWN ☐ SERVICE STATION
☐ FARM
☐ FEDERAL (GIVE FACILITY I.D. NO.)
☐ OTHER (SPECIFY)

USE THIS SPACE TO SKETCH AND/OR VERBALLY DESCRIBE FACILITY LOCATION. INCLUDE ESTIMATED DISTANCES TO CENTER LINE OF ROADS, BUILDINGS, STREAMS AND OTHER LANDMARKS. USE DIRECTIONAL DESCRIPTORS (NORTH, SOUTH, ETC.) WHERE APPLICABLE.

SEE ATTACHED SKETCH

LOCAL USE ONLY

FACILITY I.D. NO. 4571626 WAS RECORDED ON January 22, 1986 (DATE) IN BOOK NO. 34, PAGE 540 OF THE Pomfret (TOWN) LAND RECORDS.

Hazel B. Harrington
SIGNATURE OF TOWN OR CITY OFFICER

STATE USE ONLY

☑ FIRST ☐ AMENDED

FACILITY IDENTIFICATION NUMBER: 4571626
DATE RECEIVED: 12-13-85
APPROVED: 12/23/85 ☐
RECEIVED BY: Susan Alexander

OWNER NAME Teago Management (FROM SECTION I)

INDICATE NUMBER OF COPIES OF PAGE 2 ATTACHED [1]

V. TANK INFORMATION (COMPLETE FOR EACH TANK AT THIS LOCATION)

NUMBER TANKS SEQUENTIALLY (START WITH TANK CLOSEST TO BUILDING, IF POSSIBLE)		TANK NO. 1	TANK NO. 2	TANK NO.	TANK NO.	TANK NO.
1. STATUS OF TANK (CHECK ONE)	CURRENTLY IN USE	X	X			
	TEMPORARILY OUT OF USE					
	PERMANENTLY OUT OF USE					
2. ESTIMATED AGE IN YEARS		~~17~~ 83	~~17~~ 27			
3. TOTAL CAPACITY (GALLONS)		6,000	6,000			
4. MATERIAL OF CONSTRUCTION (CHECK ONE) correct	STEEL					
	CONCRETE					
	FIBERGLASS REINFORCED PLASTIC	X	X			
	OTHER (SPECIFY)					
	UNKNOWN					
5. INTERNAL PROTECTION (CHECK ALL THAT APPLY)	LINING (E.G. EPOXY RESINS)					
	OTHER (SPECIFY)					
	NONE	X	X			
	UNKNOWN					
6. EXTERNAL PROTECTION (CHECK ALL THAT APPLY)	CATHODIC PROTECTION					
	PAINTED COATING (E.G. ASPHALTIC)					
	FIBERGLASS REINFORCED PLASTIC COATED					
	OTHER (SPECIFY)					
	NONE	X	X			
	UNKNOWN					
7. SECONDARY CONTAINMENT (CHECK ONE) Single wall	DOUBLE-WALL TANK	~~X~~	X			
	CONCRETE VAULT					
	IMPERVIOUS LINER					
	OTHER (SPECIFY)					
	NONE	~~X~~	~~X~~			
	UNKNOWN					
8. LEAK DETECTION (CHECK ALL THAT APPLY)	DAILY INVENTORY CONTROL	X	X			
	CONTINUOUS SENSOR					
	ELECTRONIC IN-TANK SYSTEM					
	GROUNDWATER MONITORING WELL					
	* PRECISION TEST (ENTER MO./YR. IF WITHIN LAST 5 YRS.)	/	/	/	/	/
* A PRECISION TEST IS NOT AN AIR PRESSURE TEST. BY DEFINITION, A PRECISION TEST IS ACCURATE TO .05 GAL./HR.	OTHER (SPECIFY)					
	NONE					
9. PIPING (CHECK ALL THAT APPLY) per Purcell Oil	BARE STEEL					
	GALVANIZED STEEL	X	X			
	BLACK IRON					
	FIBERGLASS REINFORCED PLASTIC					
	CATHODICALLY PROTECTED					
	OTHER (SPECIFY)					
	UNKNOWN	~~X~~	~~X~~			
10. SUBSTANCE CURRENTLY OR LAST STORED IN GREATEST QUANTITY BY VOLUME (CHECK ALL THAT APPLY)	GASOLINE (INCL. ALCOHOL BLENDS)	X	X			
	DIESEL					
	NOS. 2 OR 4 FUEL OIL					
	NOS. 5 OR 6 FUEL OIL					
	AVIATION FUEL					
	KEROSENE					
	USED OIL					
	OTHER PETROLEUM SUBSTANCE (SPECIFY)					
	HAZARDOUS SUBSTANCE (GIVE NAME OR CAS. NO.)					
	MIXTURE OF SUBSTANCES					
	UNKNOWN					
11. ADDITIONAL INFORMATION FOR TANKS TAKEN PERMANENTLY OUT OF SERVICE	(A) ESTIMATED DATE LAST USED (MO./YR.)	/	/	/	/	/
	(B) ESTIMATED QUANTITY LEFT STORED (GAL.)					

REMOVED 1989

per Gary Brown & Purcell Oil

VI. SIGNATURE

I CERTIFY UNDER PENALTY OF LAW THAT THE INFORMATION PROVIDED ON THIS FORM AND ALL ATTACHED DOCUMENTS IS TRUE, ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Teago Management by Gary Randall Brown, Esq., its attorney

PRINTED NAME AND OFFICIAL TITLE OF OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

X _____ SIGNATURE

X 12/12/85 DATE SIGNED

589 Avenue D, Suite 10
PO Box 787
Williston, VT 05495

www.kas-consulting.com

802 383.0486 p
802 383.0490 f

August 10, 2017

Ms. Sue Thayer
VTANR/Department of Environmental Conservation
Waste Management & Prevention Division
Underground Storage Tank Program
1 National Life Drive – Davis 1
Montpelier, VT 05620-3704

RE: **Underground Storage Tank Closure Assessment Report** – Teago General Store, 2035 Stage Road, South Pomfret, Vermont. SMS#99-2670; (Facility ID #4571626)

Dear Ms. Thayer:

On August 1, 2017, KAS, Inc. (KAS) conducted the closure assessment of a split 4,000 gallon gasoline (UST#1999-1-2) doubled walled steel underground storage tank (UST) at the Teago General Store located in South Pomfret, Vermont. (Site; Attachment 1: Site Location Map). The UST and piping were installed in 1999 and were used for the retail sale of gasoline until 2005 when the responsible party (Stage Road Enterprises, Inc.) discontinued the sale of gasoline. The UST was cleaned and removed from the Site. No new UST was installed.

Attached to this letter are: a Site Location Map and Site Map with Soil Sample Locations (Attachment 1); photographic documentation of the UST (Attachment 2); and, the completed UST Permanent Closure Form (Attachment 3).

Background

In August 1999, during a routine UST closure inspection of several gasoline USTs, petroleum impacts to soils were observed and recorded in the excavation area of the now removed UST #1999-1-2. As a result, the site was listed as a hazardous waste site (SMS#1999-2670) and subsequent environmental investigations were conducted in August and December 2000 which included the installation of several monitoring wells. Groundwater samples have been collected from the monitoring well network on a periodic basis since 2000, with the most recent sampling event conducted in 2016.

Responsibilities

The UST was owned by Stage Road Enterprises, Inc. of South Pomfret, Vermont. D&M Petroleum, Inc. (D&M) of Bristol, Vermont pulled and cleaned the UST and removed the UST-derived waste. Approximately 35 gallons of sludge and solids were generated during the cleaning process. The UST-derived waste is scheduled to be removed from the Site by NRC, Inc. (formerly Enpro). The USTs were cut and disposed for recycling. KAS was retained by the responsible party to perform the environmental investigation.

Detail Presentation

KAS arrived on site at 08:30 on August 1, 2017. The UST was in the process of being uncovered by D&M. Cleaning and removal of the UST followed.

UST #1999-1-2 was found to be in excellent condition. The exterior of the tank was coated with a corrosion protected multi-component green polyurethane

coating (Act -100) and did not show any visible holes or failures. All of the labeling was intact. The UST and secondary piping were in excellent condition with no rusting, holes or pitting. The primary piping had already been removed at an unknown date and therefore its condition could not be assessed. The sump below the dispenser was constructed of wood and showed signs of deterioration; however, no visible holes were observed. The UST was removed from the Site on August 1, 2017.

The excavation was approximately 250 square feet and dug to a depth of 9 feet below surface grade (bsg). Groundwater was encountered at a depth of 7 feet bsg. Bedrock was not encountered during the excavation. Subsurface soils consisted of sand at shallow depths but changed to gravel as the excavation got deeper. All soil removed from the excavation pit was temporarily stockpiled on-site for use as backfill into the excavation.

Soil Screening

A total of 8 soil samples were collected during the UST removal for field screening. Soil samples were collected in the vicinity of the USTs and associated piping components and screened for Volatile Organic Compounds (VOCs) using a MiniRae Lite photoionization detector (PID) equipped with a 10.6 eV lamp. Prior to screening, the PID was calibrated with isobutylene with reference made to benzene. Soils were screened using the KAS Jar/Polyethylene Bag Headspace Screening Protocol. Screening results for the UST closure and piping components are presented in Table 1 (see Attachment 2).

Table 1
Soil Screening Results, Teago General Store
1 X 4,000 gallon gasoline split UST
August 1, 2017

Sample Number	Sample Depth (fbg)	PID Reading (ppmv)	Location
1	0-1	1.8	Fill atop UST (Sand)
2	1-2	2.0	Fill atop UST (Sand)
3	2-3	1.9	Below dispenser/north side of UST
4	3-4	2.0	West side of UST (Sand)
5	6-7	1.3	East side of UST (Sand)
6	8-9	812	Below east end of UST(Sand)
7	8-9	412	Below UST (Sand)
8	8-9	1.4	Below west end of UST (Sand)

Summary of Findings

The average PID reading in the area of the UST and piping was 154.3 parts per million by volume (ppmv). Evidence of old weathered petroleum (black stained soil) impacts were noted beneath the UST, specifically, beneath the eastern section the UST. Groundwater was encountered in the excavation at a depth of approximately 7 feet bsg and a small sheen was visible on the water. On August 1, 2017 KAS contacted Mr. Tim Cropley of the Vermont Department of

Environmental Conservation (VTDEC) to provide a report on the elevated readings and subsurface conditions which were indicative of a historic release. As a result, no new spill # was assigned to the Site. In addition, KAS also spoke with Mr. Gerold Noyes of the VTDEC who is the current state manager of the Site and provided him with an update on the findings. No additional work was requested by Mr. Gerold Noyes in association with the tank removal activities.

Based on the historical information gathered regarding the history of the property in 1999, the piping between the former 6,000 gallon gasoline UST and the dispenser island were observed to be in poor condition at the connections, and the joints were only hand tight.[1] As a result, petroleum impacted soils were encountered between the dispenser island and the two 6,000 gallon gasoline USTs and in the excavation for UST #1999-1-2, located in the vicinity of the dispenser island.[1]

On August 1, 2017, the highest levels of petroleum impacted soils were recorded beneath the eastern section of UST#1999-1-2 with a PID reading measured as high as 812 ppmv. The location of the dispenser sump was located almost directly atop UST #1999-1-2 and no elevated PID readings were recorded below the dispenser sump to a maximum depth of 3 ft bsg, which indicates the sump provided adequate protection to the subsurface in the event of a spill. Given this information, petroleum impacts encountered during this closure assessment appear to be in the same general area of where impacts were encountered in August 1999, which suggests the reported impacts are characteristic of an old release. In addition, KAS reviewed the most recent groundwater monitoring report prepared for the Site *(KAS' May 2016 Biennial Groundwater Monitoring Report)* and found no unexplained spikes of VOCs recorded in the groundwater data collected from the downgradient monitoring well, which further provides evidence a new release has not occurred from the USTs and its associated piping components.

Receptor Survey

An updated sensitive receptor risk assessment of the area surrounding the Site is presented in the most recent groundwater sampling report prepared by KAS which is available on file at the VTDEC in Montpelier, Vermont. It appears no new release has occurred and because site conditions appear unchanged since the most recent groundwater sampling event, significant off-site migration of the dissolved phase plume and potential impact to neighboring properties is considered low.

Conclusions and Recommendations

Petroleum impacts were detected during the closure of UST #1999-1-2. The highest levels of impacts were noted in the soils beneath UST #1999-1-2 with a PID reading measured as high as 812 ppmv. This area of impact appears to be in the same general area of where impacts to the subsurface were encountered in August 1999. This suggests the observed impacts are related to the old release which is being monitored over time. No evidence of a new release was noted from the USTs and dispenser sumps. In addition, no gasoline has been stored in UST#1999-1-2 for over 10 years and no unexplained spikes of VOCs

[1] June 2000, Initial Site Investigation Report; Griffin International

have been noted in the groundwater data collected from the downgradient well which further provides evidence no new release has occurred.

The Teago Store is a listed hazardous waste site and groundwater beneath the site is monitored on a biennial basis. During the UST closure assessment KAS was able to relocate and establish monitoring wells MW-2 and MW-5 as potential viable monitoring points. These wells were found to be paved over. Per a discussion with Mr. Gerold Noyes, KAS recommends a groundwater sampling event occur in fall 2017 to capture data from monitoring wells MW-2, MW-3 and MW-5.

Please feel free to contact me with any questions or comments via telephone, (802) 383-0486, or email, samd@kas-consulting.com.

Sincerely,



Sam Driver
Project Manager, EP

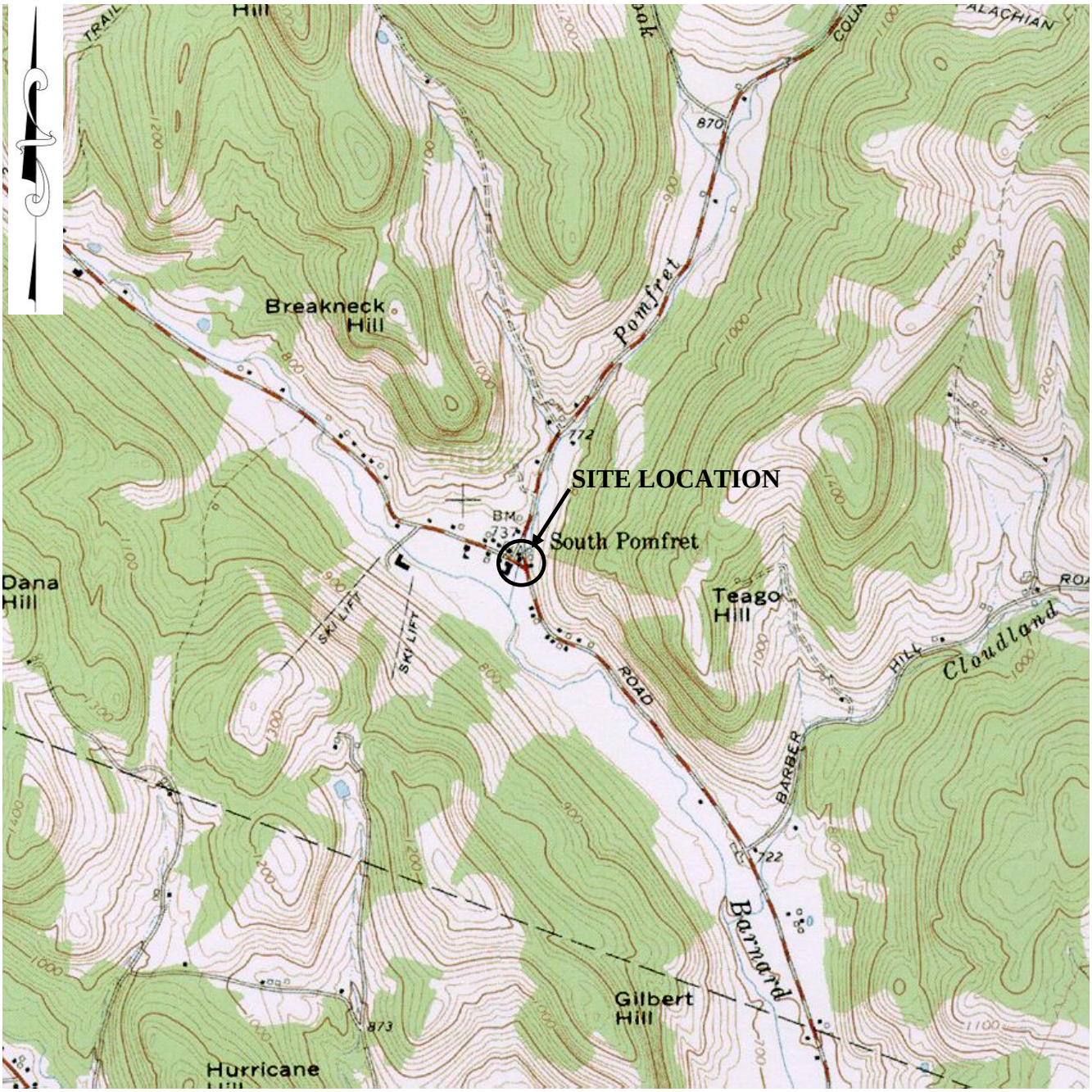
Enclosure:
Attachment 1: Site Location Map and Site Map with Soil Sample Locations
Attachment 2: Photographic Documentation
Attachment 3: UST Permanent Closure Form

CC: Charles Gunderson, Stage Road Enterprises, Inc.
KAS #401050156

Ms. Sue Thayer
August 10, 2017

Attachment 1

Site Location Map
Site Map with Soil Sample Locations



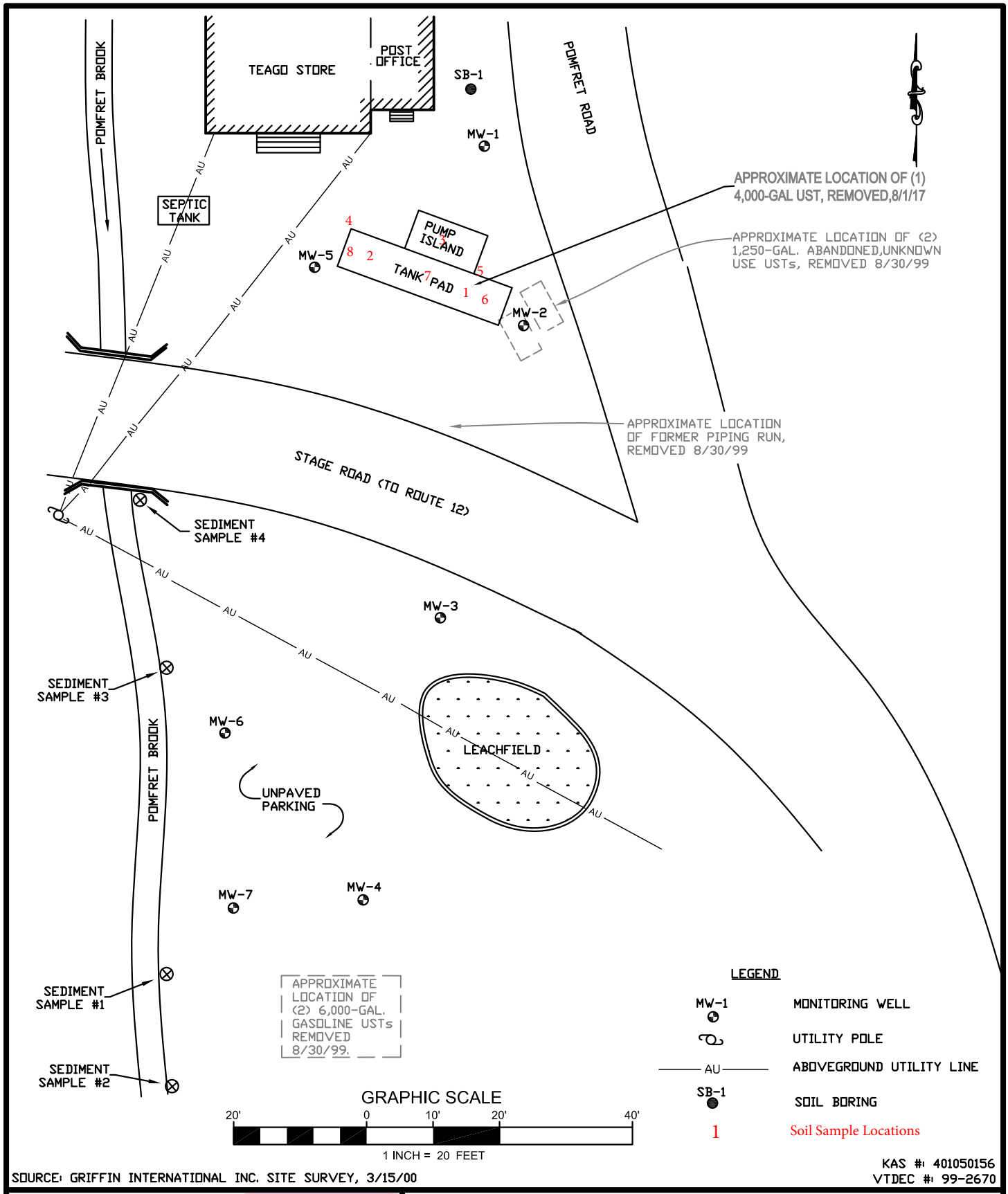
VTDEC Site #99-2670
KAS Job Number: 401050156
Source: USGS 7.5 minute quadrangle, Woodstock North, VT, dated 1966 and photorevised 1976.

Site Location Map

Teago Store
South Pomfret, VT

Date: 08/03/17
By: SD

Scale: NTS



SOURCE: GRIFFIN INTERNATIONAL INC. SITE SURVEY, 3/15/00

KAS #: 401050156
VTDEC #: 99-2670

589 Avenue D, Suite 10
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Williston, VT 05495
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802 383.0486 p
802 383.0490 f
kas environmental science & engineering

TEAGO STORE

2035 STAGE ROAD, S. POMFRET, VT

Site Map with Soil Sample Locations

DATE: 10/12/16	DWG.#: 1	SCALE: 1"= 20'	DRN.: TB	APP.: SD

Ms. Sue Thayer
August 10, 2017

Attachment 2

Photographic Documentation

Photographic Documentation
UST Closure Assessment
Teago General Store
2035 Stage Road, South Pomfret, Vermont
KAS #401050156

Photograph ID: 001 Date: 8/1/2017 Location: Excavation Area Comments: View of Dispenser Island/Piping	
Photograph ID: 002 Date: 8/1/2017 Location: Excavation Area Comments: Exterior view of UST #1999-1-2	

Photographic Documentation
UST Closure Assessment
Teago General Store
2035 Stage Road, South Pomfret, Vermont
KAS #401050156

Photograph ID: 003 Date: 8/1/2017 Location: Excavation Area Comments: Removal of UST #1999-1-2 and view of tank grave	
Photograph ID: 004 Date: 8/1/2017 Location: Excavation Area Comments: UST #1999-1-2 removed	

Ms. Sue Thayer
August 10, 2017

Attachment 3

UST Permanent Closure Form

Underground Storage Tank and Piping Closure Form

Vermont Agency of Natural Resources, Department of Environmental Conservation
Waste Management and Prevention Division
http://www.anr.state.vt.us/dec/wastediv/index.htm

Important: All closures must be scheduled with the Underground Storage Tank Program at least 5 business days prior to the commencement of closure. Please call 802-828-1138

Section A. Facility/Ownership Information

Facility ID #: 4571626 **SMS #** (if applicable) **:** 99-2670

To find if a facility has an ID # and/or SMS# please use WMID: http://www.anr.state.vt.us/wmid/. If there is no Facility ID then please contact the UST Program 802-828-1138.

Facility Name: Teago General Store # of employee's 5

Street Address: 2035 Stage Road City/Town: South Pomfret

Type of Facility: ____Commercial/industrial; X Retail ____Residential; ____ Service Station; ____ Institutional; ____Farm; ____ Federal; ____ Bulk; ____ Fish Hatchery

Owner of UST(s) to be closed: Stage Road Enterprises, Inc. Owner Telephone: 802-457-1626

Owner mailing address: 2035 Stage Road, South Pomfret, Vermont

Owner Email: teagostore@gmail.com

Contact (if different from owner): Charles Gunderson Contact Telephone: 802-457-1626

Contact Email: _____

Landowner (if different than tank owner): _____

Section B. Closure Information

What components will be closed/removed? UST system X; Tanks only_____; Piping only ____ .

Reason for closure/removal? Liability: X; Replacement: _____; Abandoned: _____; Suspected leak: _____.

UST #	Product	Tank Age	Size (gal)	Tank condition (excellent, good, fair, poor)	Piping Age	Piping condition (excellent, good, fair, poor)	Proximity (ft.) of tanks to buildings / structures
1999-1-2	Gasoline	18	4,000	Excellent	18	Excellent	10

Have any tanks been closed in-place? UST # No Authorized by: _____ Date: _____

Type of material used to closed tank in place *(Water is not allowed)*: N/A

Disposal/destruction of removed UST(s) Location: Middlebury, VT Method: Cut/Clean Date: 8/1/17

Amount (gal) and type of waste generated from USTs: 35 gallons of tank bottom

(Tank contents are hazardous wastes and must be handled as such unless recovered as usable product; sludge and solids are not usable/recyclable products and must be handled as hazardous waste. Please contact the Hazardous Waste program with any questions 802-828-1138).

Tank cleaning company (must be trained in confined space entry): D&M Petroleum, Inc.

 Facility ID # 4571626

Certified hazardous waste hauler: NRC, Inc.

Generator ID #: Arranged by others

Section C. Initial Site Characterization *(Work in this section must be completed by a professional environmental consultant or hydro geologist with experience in environmental sampling for the presence of hazardous materials. A full report from the consultant must accompany this form.*

Excavation Information. Some removals require more than one excavation. Identify as A, B, C, etc.

Tank #, excavation A,B,C	Depth (ft.)	Excavation size (sq. ft.)	Peak PID reading	Depth of Peak (ft.)	Avg. PID reading	Bedrock depth (ft.)	Groundwater?(Y/N) and depth	Soil type
1999-1-2	9	250	812	9	154.3	N/A	Yes - 7 ft	Sand/Gravel

Locate all readings and samples on a site diagram and submit with this form and site assessment

Dig Safe # Arranged by others

PID Make: MiniRae Model: Lite Calibration (date/time/gas) 8/1/17;08:30;isobutylene

Have any soils been polyencapsulated on site? X NO; ____YES # cubic yds: _____

PID range > zero: _____ppm to_____ppm

Have any soils been transported off site? _____NO; _____YES # cubic yds: _____

Location transported to: _____ Approved by: _____

Amount of soil backfilled (cubic yds.): Unknown PID range > zero: _____ppm to_____ppm

Have limits of contamination been defined? ____NO; X YES. Other on-site contamination? ____NO; ____YES

Is contamination in contact with building foundation? X No; _____Yes, If Yes, PID reading; _____ppm

Number of soil samples collected for laboratory analysis: None Results due date: _____

Free Phase product encountered? _____NO; X YES Thickness: _____ Sheen: Yes

Groundwater encountered? _____NO; X YES Depth: 7.0

Are there existing monitoring wells on-site? _____NO; X YES How many? 7 (Locate on site diagram)

Have new monitoring wells been installed? X NO; _____YES (Locate on site diagram)

Samples obtained from monitoring wells for lab analysis? X NO; _____YES Results due date: _____

Is there a water supply well on site? ____NO; X YES Type: X Shallow; _____Rock; _____Spring

Number of public water supply wells located within 0.5-mile radius: 14 Min. distance (ft); _____

Receptors impacted:

X Soil; _____Indoor Air; ____ Ambient Air; X Groundwater; ____Surface Water; ____Water Supply

 Facility ID 4571626

Any release must be reported immediately by calling 802-828-1138 (if after hours please call 800-641-5005)

Name of WMPD staff that the release was reported to: Time Cropley Date: 8/1/17

Spill # (issued by WMPD staff when release is reported): N/A

Section D: Tanks and Piping Remaining or to be Installed. Regardless of size or use, list all USTs and ASTs currently at facility or to be installed at facility. For "Tank Status," indicate "abandoned," "in use," or "to be installed*." This includes any UST/ASTs used to store fuel for heat at a public building (*propane tanks do not need to be listed)*

Tank #	UST or AST?	Product	Size (gallons)	Tank Use (heat, backup generator, etc)	Tank age	Tank Status	Piping age	Piping Status

***Note: Some installations may require permits and advance notice to the UST Program. Please call the UST Program with any questions 802-828-1138**

Section E. Statements of UST closure compliance

I, Sam Driver (Please print name), as the environmental consultant on-site, I hereby certify that the site assessment requirements were performed in accordance with DEC policy and regulations, and that information which I have provided on this form is true and correct to the best of my knowledge.

Signature: Sam Driver

Company: KAS, Inc. Telephone#: 802-383-0486

Date of Assessment: 8/1/17 Date of Closure: 8/1/17

Return this form along with complete narrative report and photographs to the Department of Environmental Conservation (DEC), Underground Storage Tank Program within **10 days of closure**. Do not delay submission of the site assessment if waiting for lab analysis results. Labs can be emailed separately.

An electronic version of the report from an environmental consultant covering all aspects of closure and site assessment, complete with photographs and any other relevant data, must accompany this form and be emailed to WMPD or uploaded on the WMPD FTP server. Please DO NOT SUBMIT PAPER COPIES.

All procedures must be conducted by qualified personnel, to include training required by 29 CFR 1910.120. Documentation of all methods and materials used must be adequate. All work must be performed in compliance with DEC policy "UST Closure and Site Assessment Requirements" as well as all applicable statutes, regulations, and additional policies. The DEC may reject inadequate closure forms and reports.

Teago General Store
2035 Pomfret Road
South Pomfret, Vermont

VTDEC #99-2670
KAS #401050156

AUGUST 2018 LONG TERM GROUNDWATER MONITORING REPORT

October 12, 2018

Prepared for:

Pomfret Road General Store, LLC
P.O. Box 163
South Pomfret, Vermont 05607

kas
environmental science & engineering

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802 383.0490 f

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Certification

This report, which summarizes the August 2018 groundwater monitoring event conducted at the Teago General Store property, located at 2035 Pomfret Road and the vacant lot located at 43 Stage Road in South Pomfret, Vermont, State of Vermont Department of Environmental Conservation Site #99-2670, has been prepared and reviewed by the following personnel.

We certify under penalty of perjury that this report was reviewed by an environmental professional and that all content contained within this deliverable is to the best of our knowledge true and accurate.

Prepared By:

Sam Driver
Project Manager, EP

Reviewed By:

Jeremy Roberts, PG
Principal/Environmental Program Manager

Executive Summary

The August 2018 groundwater monitoring event has been completed by KAS, Inc. (KAS) at the Teago General Store property, located at 2035 Pomfret Road and the vacant lot located at 43 Stage Road in South Pomfret, Vermont which included the collection of water level measurements and a groundwater sample from monitoring well MW-3.

Based on the results of the August 22, 2018 groundwater sampling event, select Volatile Organic Compounds (VOCs) were reported above laboratory method detection limits in MW-3 but below their respective Vermont Groundwater Enforcement Standards (VGES). As compared to results from the August 2016 sampling event, a decrease in total VOC concentrations was noted in the groundwater sample collected from MW-3 and concentrations are currently at their lowest reported level to date. Additionally, VOCs appear to be demonstrating an overall long-term declining trend at MW-3.

Based on current and historical groundwater analytical data collected from the monitoring well network over time, it appears the dissolved-phase plume is centered on MW-3, which is located on the vacant lot. Historically, low to non-detectable concentrations of VOCs have intermittently been detected in several of the surrounding monitoring wells (MW-1, MW-2, MW-5 and MW-7); however, the dissolved phase plume appears to be contained within the current monitoring well network and is not believed to be migrating at this time. KAS is recommending that no additional work be required at this time and that the Site be considered for sites management activity complete (SMAC) designation.

1.0 Introduction and Background

This report summarizes the August 2018 groundwater monitoring event conducted at the Teago General Store property located 2035 Pomfret Road in South Pomfret, Vermont and the vacant lot across Stage Road located at 43 Stage Road in South Pomfret, Vermont ("Site"). The Site consists of two parcels owned by the responsible party. A Site Location Map is included in Appendix A. Previous reports documenting the Site history and previous investigative/monitoring work conducted at the Site are on file at the Vermont Department of Environmental Conservation (VTDEC) in Montpelier, Vermont. This document was prepared according to current VTDEC requirements as presented in the Investigation and Remediation of Contaminated Properties Rule (I-Rule) document dated July 27, 2017. The VTDEC checklist is included in Appendix E.

Petroleum impacted soils were encountered during the replacement of several underground storage tank closure (UST) and their associated piping components in August 1999. As a result, an initial site investigation (ISI) was conducted to define the degree and extent of petroleum impacts in the vicinity of the removed USTs which included the installation of several monitoring wells. Subsequent investigations were conducted in August and December 2000. Currently, groundwater monitoring at the Site is conducted on an annual biennial basis.

KAS reviewed historical Site information on the Vermont Agency of Natural Resources (VT ANR) online natural resources atlas, (http://anrmaps.vermont.gov/websites/anra5/)[1]. The property had operated as a gasoline filling station since at least 1983 when two 6,000-gallon gasoline USTs were installed. Two additional USTs were installed at an unknown time and were removed in 1999. A second generation of gasoline USTs were installed in 1999 which replaced the USTs installed in 1983. The second generation of gasoline USTs were removed in 2017. No USTs currently reside on the property. The latest groundwater monitoring event was conducted in accordance with KAS' work scope and cost estimate dated February 27, 2018, which was approved by Mr. Gerold Noyes of the VTDEC on March 1, 2018.

2.0 Groundwater Monitoring

2.1 Determination of Groundwater Flow Direction and Gradient

Depth-to-liquid measurements were collected from three (MW-2, MW-3 and MW-7) monitoring wells on August 22, 2018 using a Geotech™ interface probe (IP) in accordance with KAS Protocol #003[2]. Depth to groundwater was not measured at MW-1, MW-4 and MW-5 because these wells were not located and MW-6 was observed to be under water. The depth to groundwater ranged from 4.52 feet below top of casing (btoc) in MW-2 to 7.95 feet btoc in MW-7 and the elevations were higher, with the exception of MW-7, than measurements collected during the previous sampling event. The depth to groundwater measurements were subtracted from the top-of-casing elevations to obtain the relative water table elevation. The casing elevations were determined relative to an arbitrary datum of 100 feet previously established at the top of casing for MW-3. Liquid level monitoring data, both current and historical, are presented in Appendix B. No non-aqueous liquid (NAPL) was observed in any site-related monitoring well on August 22, 2018. During the August 22, 2018 monitoring event several road boxes were observed to be in poor condition.

[1] VT ANR online UST database
[2] KAS Protocol #003: Use and Maintenance of Electronic Interface Probes and Water Level Indicators, revised December 2010

Groundwater elevations collected during this monitoring event were plotted and contoured to illustrate the estimated gradient and direction of groundwater flow beneath the Site (Groundwater Contour Map, Appendix A). Based on the data collected, groundwater flow is towards the west at a hydraulic gradient of 5.4%. Groundwater flow appears to vary at and in the vicinity of the Site depending on seasonal fluctuations and previous groundwater flow estimates showed several flow directions and gradients. However, given the location of the nearby Pomfret Brook, in general, the groundwater flow and gradient has remained consistent over time.

2.2 Groundwater Sample Collection and Analysis

On August 22, 2018, a groundwater sample was collected from one monitoring well: MW-3. A groundwater sample was not collected from MW-2 as a large puddle was in close proximity to the well. As a result, and in an effort to prevent surface water entering the aquifer, MW-2 was closed prior to collecting a groundwater sample. A groundwater sample was not collected from MW-5 due to this well not being located. The remaining monitoring wells have been removed from the sampling schedule due to their continued low to non-detectable levels of VOCs reported. The groundwater sample was collected according to KAS Protocol #006[3] and #011[4], stored on ice in the field, and submitted to Endyne, Inc. of Williston, Vermont under proper chain-of-custody procedures. The groundwater sample was analyzed for the major petroleum VOCs per EPA Method 8021B. The results along with the historical groundwater quality data are tabulated and graphed in Appendix C and compared with the applicable VGES. The laboratory report is presented in Appendix D.

Analytical Results and Trend Analysis

Based on the results of the August 22, 2018 groundwater sampling event, select VOCs were reported above laboratory method detection limits in MW-3 but below their respective VGES. As compared to data from the August 2016 sampling event, a decrease in total VOC concentrations was noted in the groundwater sample collected from MW-3 and concentrations are currently at their lowest reported level to date. Overall, dissolved-phase VOCs appear to be demonstrating an overall long-term declining concentration trend. The figure below (Figure 1) is the concentration of total VOCs in MW-3 over time using a concentration linear trend generated by the Groundwater Spatio-Temporal Data Analysis Tool (GWSDAT Version 2.1). The solid green line shows the trend estimate and the dashed green lines are the 95% confidence intervals. The statistical significance of this trend is assessed using the Mann-Kendall trend test. If the Mann-Kendall p-value is below 0.05, then the estimated trend is statistically significantly different from 0, meaning that there is a trend within the data (GWSDAT User Manual v2.1). The Mann-Kendall p-value for monitoring well is as follows: MW-3 p-value=<0.01; which is less than 0.05, indicating a clear downward trend

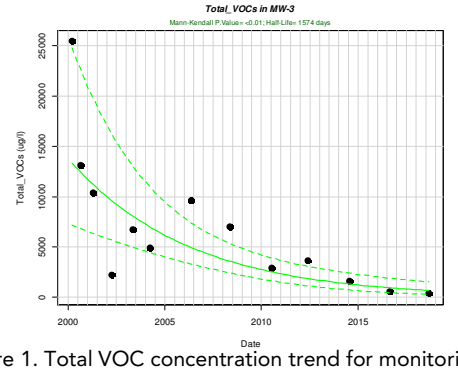


Figure 1. Total VOC concentration trend for monitoring well MW-3

[3] KAS Protocol #006: Sample Containerization, Preservation, Handling and Packaging, revised December 2010
[4] KAS Protocol #011: Monitoring Well Sampling with Bailers, revised January 2011

Dissolved-Phase VOC Distribution

Reported concentrations of total targeted VOCs per Method 8021B were plotted on the Site Map to create the Groundwater VOC Concentration Map in Attachment A. Based on current and historical groundwater analytical data collected from the monitoring well network over time, it appears the dissolved-phase plume is centered on MW-3, which is located on the vacant lot. Historically, low to non-detectable concentrations of VOCs have intermittently been detected in several of the surrounding monitoring wells (MW-1, MW-2, MW-5 and MW-7); however, the dissolved phase plume appears to be contained within the current monitoring well network and is not believed to be migrating at this time.

Quality Assurance and Quality Control

The groundwater samples obtained during this study were collected in accordance with KAS' groundwater sampling protocol. VOCs were not detected in the trip blank sample prepared on August 22, 2018. A duplicate sample was obtained at monitoring well MW-3. The relative percent difference (RPD) values are low, and indicate that adequate quality assurance and control were maintained during sampling, transporting, and analysis. The RPD is defined as 100 times the difference between the actual and duplicate sample, divided by the mean of the two samples. A low RPD indicates a good correlation between the two samples, while a high RPD indicates a poor correlation. The RPD values ranged from 4.7% to 20.4%. The overall RPD value was 11.5%. This data is presented in Appendix C.

3.0 Updated Conceptual Site Model

3.1 Site Conditions and Property History

The Site is located on the north and south side of Stage Road in South Pomfret, Vermont (Appendix A). The on-site building is used as a convenience store and the South Pomfret Post Office. Topography of the Site property is generally flat with less than 5% slope. The area immediately around the on-site building consists primarily of a gravel parking lot.

Adjacent nearby properties as of August 2018 consist of commercial/recreational/residential developments as follows:

- North: Library Street/Pomfret Road followed by Artist Tree Community
- South: Stage Road followed by unpaved parking/picnic area
- West: Pomfret Brook followed by residential houses
- East: Pomfret Road followed by residential houses

3.2 Geology

The soils beneath the Site are mapped as glacial deposit consisting of sand and gravel according to the *Surficial Geologic Map of Vermont*[5]. Soils encountered during monitoring well installation consisted of well graded sand with some silt and gravel. Bedrock beneath the Site is mapped as dark-gray to silvery-gray, lustrous, carbonaceous muscovite-biotite-quartz phyllite containing abundant beds of punky-brown-weathering, dark-bluish-gray micaceous quartz-rich limestone in

[5] Doll, Charles G., ed., 1970, *Surficial Geologic Map of Vermont*, Vermont Geological Survey

beds of the Connecticut Valley Trough belt of the Waits River Formation according to the *Centennial Geologic Map of Vermont*[6]. Bedrock was not encountered during the installation of site monitoring wells.

3.3 Hydrogeology

Depth to groundwater beneath the Site has been observed to range from from approximately 4 to 7 feet bsg and based on the data collected, groundwater flow is towards the west at a hydraulic gradient of 5.4%. Groundwater flow appears to vary at and in the vicinity of the Site depending on seasonal fluctuations and previous groundwater flow estimates showed several flow directions and gradients. However, given the location of the nearby Pomfret Brook, in general, the groundwater flow and gradient has remained consistent over time.

3.4 Apparent Source of Release

Petroleum impacted soils were encountered during the replacement of several USTs and their associated piping components in August 1999. Specifically, petroleum impacted soils were encountered between the former pump island and the two 6,000-gallon gasoline USTs and within the excavation of the 4,000-gallon gasoline UST. No other potential sources on or off site are known to exist or have been identified at this time.

3.5 Contaminant Fate and Transport

Based on current and historical groundwater analytical data collected from the monitoring well network over time, it appears the dissolved-phase plume is centered on MW-3, which is located on the vacant lot. Historically, low to non-detectable concentrations of VOCs have intermittently been detected in several of the surrounding monitoring wells (MW-1, MW-2, MW-5 and MW-7); however, the dissolved phase plume appears to be contained within the current monitoring well network and is not believed to be migrating at this time.

4.0 Updated Sensitive Receptor Risk Assessment

An updated sensitive receptor risk assessment of the area surrounding the Site is provided below, and a determination of the potential risk to identified receptors has been made based on proximity to the dissolved phase plume, groundwater flow direction, VOC mobility and volatility, and VOC concentrations in subsurface soils and groundwater. The following potential sensitive receptors have been identified:

4.1 Buildings in the Vicinity

The nearest on-site building is the convenience store/post office located approximately 13 feet to the north of the source area. The on-site structure is slab on grade construction and lies in an up-gradient to cross-gradient orientation to the source area, and does not contain a basement. Given the construction and depth of impacted soil, the immediate and future risk to the building from the migration of petroleum vapors is considered to be low.

The nearest off-site building is a residential building located approximately 75 feet to the east and in an up-gradient orientation to the source area. It is unclear if this structure contains a basement; however, given its orientation to the source area and the overall low strength of the dissolved phase

[6] Doll, Charles G., ed., 1961, *Centennial Geologic Map of Vermont*, Vermont Geological Survey

plume, the immediate and future risk to the building from the migration of petroleum vapors is considered to be low.

4.2 Water Supplies

According to the Agency of Natural Resources website (http://anrmaps.vermont.gov/websites/anra/) there are six private supply wells and one public water source identified within a 1,000 ft radius of the source area. The nearest private supply well (Tag#: 23330) is located approximately 160 feet northeast and upgradient of the source area. The public water source (VT0021398) is located approximately 400 feet north and cross/up-gradient to the source area. Based on the data collected to date, it is not believed that these water supplies are at risk to petroleum impacts given their distance and orientation to the source area.

The Teago Store is served by a private well located in the basement, and is approximately 120 feet deep. A water sample was collected from the Teago Store Supply well on March 15, 2000. The sample was submitted for analysis of VOCs via EPA Method 524.2. None of the compounds targeted by this analysis were detected in the supply well sample collected on March 15, 2000. Based on the data collected to date, it is not believed that this supply well is at risk to petroleum impacts.

4.3 Utility Corridors

The area surrounding the Teago Store is serviced by private supply wells and septic systems. The septic system for the on-site building contains a holding tank located approximately 15 feet west of the source area which is connected (via piping) to a leachfield located across Stage Road and just south of monitoring well MW-3, where the highest impacts have been documented to be. The presumed buried depth of this utility is believed to be within the depth of the groundwater table. Given this information, a potential exists this utility line could potentially provide a preferential pathway for the migration of dissolved-phase petroleum constituents to travel off-site. However, the sewer line ultimately leads to a leach field on the property, therefore migration of impacts along the utility line is limited. Furthermore, because no unexplained spikes of VOC concentrations have been recorded in the monitoring wells located downgradient to the leach field (MW-4, MW-6 and MW-7) for utility migration is considered to be low. Electrical and telephone utilities are located overhead in the region of the Site and do not act as utility corridors for petroleum migration.

4.4 Surface Waters

The nearest surface water is Pomfret Brook located approximately 40 feet west of the Site. Historically, no petroleum sheens or odors have been observed on the water surface or from seeps along the stream banks. Furthermore, given the current and historical groundwater analytical data collected from monitoring wells MW-6 and MW-7, the current risk posed to this surface water body is considered to be low at this time. One Class II wetland is observed within a 1,000-foot radius of the Site, specifically to the southwest approximately 700 feet away from the source area. Due to its distance, KAS does not believe there is risk of petroleum impacts to this Class II wetland.

4.5 Potential Exposure Pathways

Potential exposure pathways to the subsurface petroleum impacts identified beneath the Site have been evaluated. Routes of potential exposure to current and future Site users include inhalation of vapors or petroleum impacted dust; ingestion of soil; absorption via dermal contact; and/or ingestion of soil or groundwater. Impacted soils beneath the property have been identified to be present several feet below grade and are currently capped by several feet of non-impacted soil. Should the property use change in the future, the identified potential exposure pathways will need to be reevaluated to confirm adequate protection to human health is being accomplished.

5.0 Conclusions

Based on the results of the August 2018 groundwater monitoring event conducted at the Teago General Store property located in South Pomfret, Vermont, KAS presents the following conclusions:

1. The depth to groundwater ranged from 4.52 feet btoc in MW-2 to 7.95 feet btoc in MW-7, and the elevations were higher, with the exception of MW-7, than measurements collected during the previous sampling event;

2. Overall, groundwater flows toward the west at a hydraulic gradient of 5.4%. Groundwater flow appears to vary at and in the vicinity of the Site depending on seasonal fluctuations and previous groundwater flow estimates showed several flow directions and gradients. However, given the location of the nearby Pomfret Brook, in general, the groundwater flow and gradient has remained consistent over time;

3. Select VOCs were reported above laboratory method detection limits in MW-3 but below VGES. As compared to data from the August 2016 sampling event, a decrease in total VOC concentrations was noted in the groundwater sample collected from MW-3 and concentrations are currently at their lowest reported level to date. Additionally, VOCs appear to be demonstrating an overall long-term declining concentration trend in MW-3;

4. Based on current and historical groundwater analytical data collected from the monitoring well network over time, it appears the dissolved-phase plume is centered on MW-3, which is located on the vacant lot. Historically, low to non-detectable concentrations of VOCs have intermittently been detected in several of the surrounding monitoring wells (MW-1, MW-2, MW-5 and MW-7); however, the dissolved phase plume appears to be contained within the current monitoring well network and is not believed to be migrating at this time; and,

5. Based on the data collected to date, significant off-site migration of the dissolved phase VOC plume and potential impact to neighboring properties is considered low.

6.0 Recommendations

Based on the results of the August 2018 groundwater monitoring event conducted at the Teago General Store property located in South Pomfret, Vermont, KAS recommends the following:

- Due to the low to non-detectable concentrations of VOCs detected in several monitoring wells (MW-1, MW-2, MW-5 and MW-7) surrounding MW-3 and because the dissolved phase plume appears to be contained within the current monitoring well network and is not believed to be migrating at this time, KAS is recommending that no additional work be required at this time and that the Site be considered for sites management activity complete (SMAC) designation;

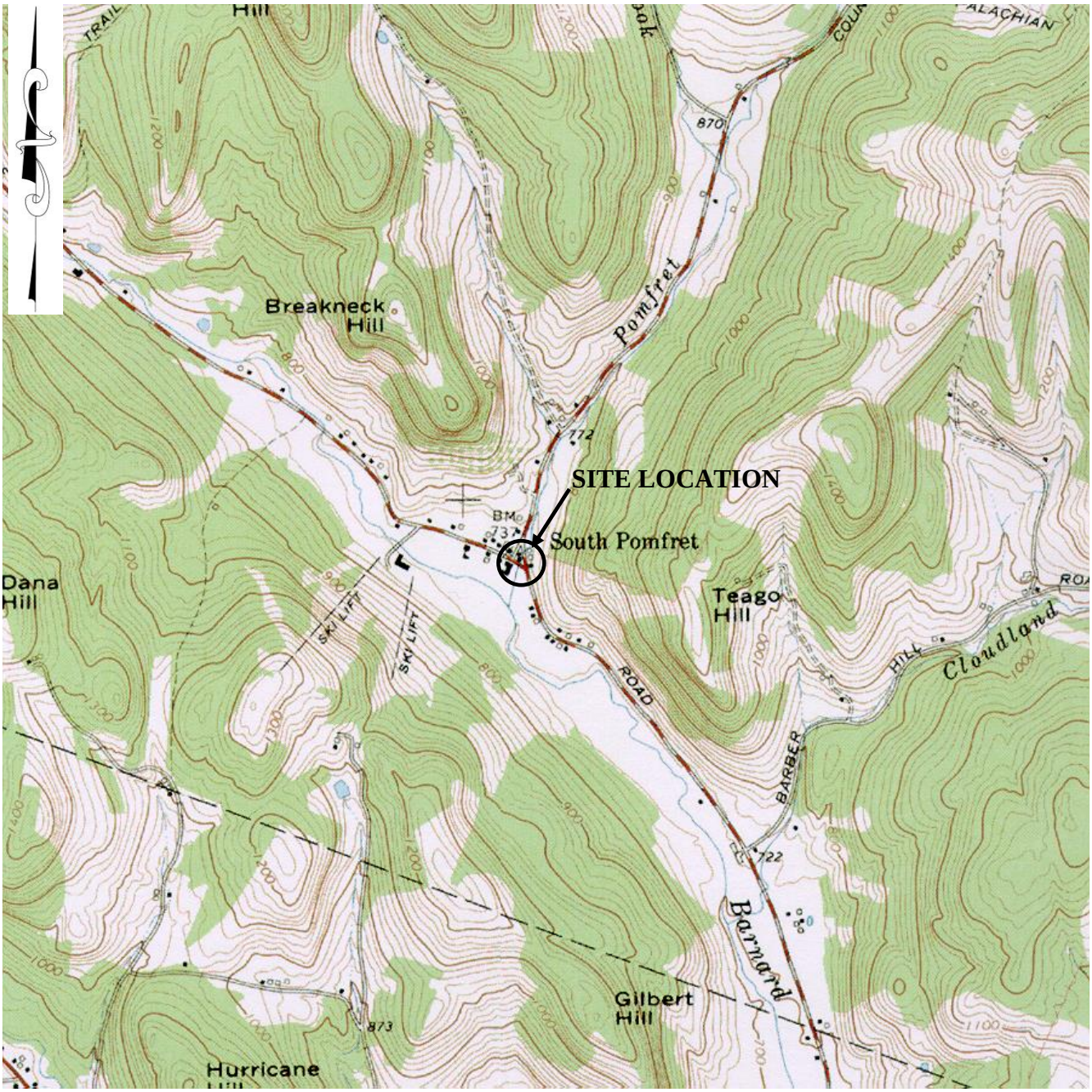
- Prior to SMAC designation, all wells will be properly closed in accordance with the Vermont Water Supply Rule;

- After SMAC designation is completed, a copy of the designation will be recorded in the municipal land records of South Pomfret, Vermont; and,

- A work plan and cost estimate to conduct this work can be prepared upon request.

Appendix A

1) Site Location Map
2) Site Vicinity Map
3) Site Map
4) Groundwater Contour Map
5) Groundwater VOC Concentration Map



VTDEC Site #99-2670
KAS Job Number: 401050156
Source: USGS 7.5 minute quadrangle, Woodstock North, VT, dated 1966 and photorevised 1976.

kas environmental science & engineering

Site Location Map

Teago Store
South Pomfret, VT

Drawing:
Date: 08/29/14
By: SD

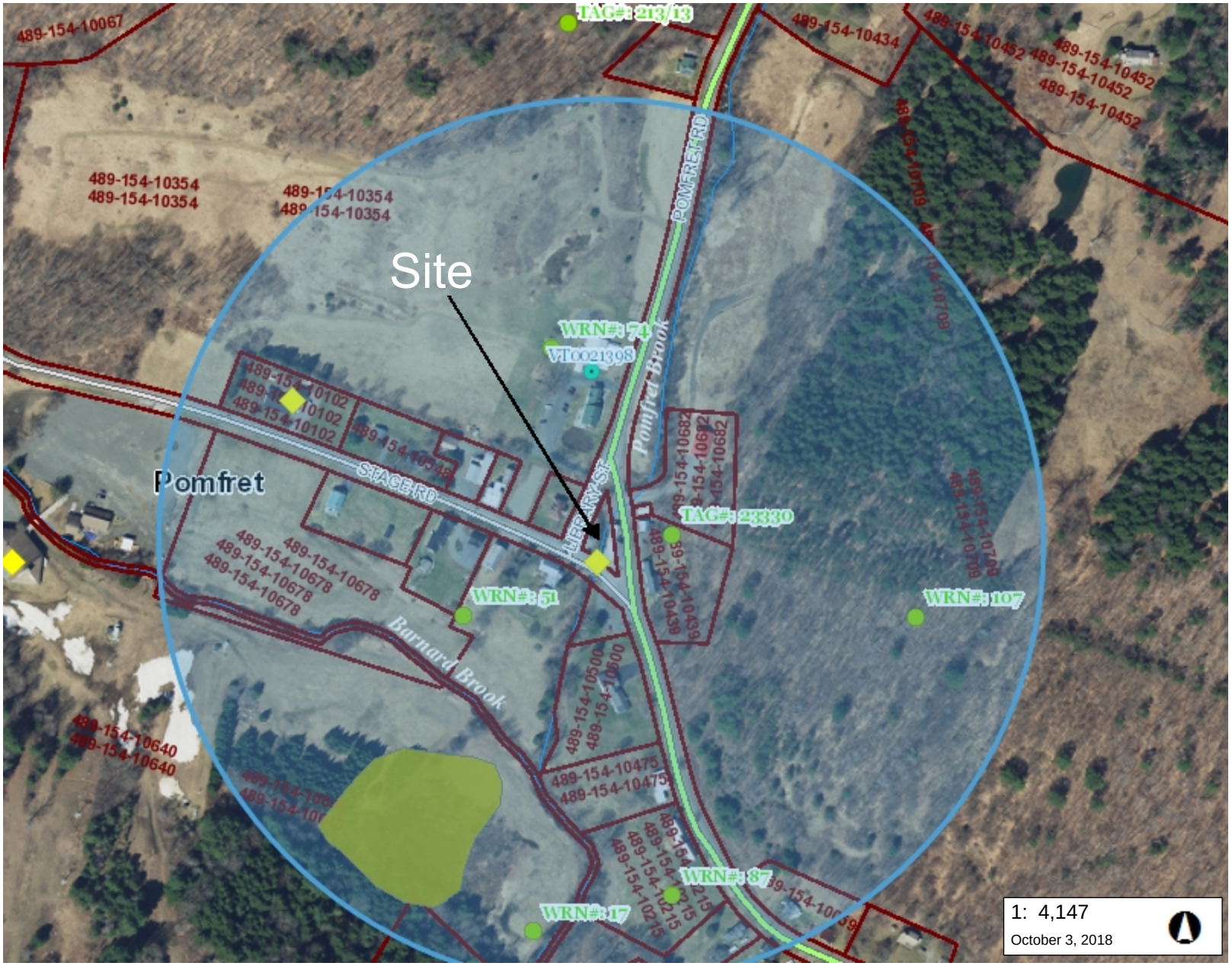
Scale: 1"=2,000'

VERMONT

Site Vicinity Map

Vermont Agency of Natural Resources

vermont.gov





LEGEND

- Wetland - VSWI
  - Class 1 Wetland
  - Class 2 Wetland
  - Buffer
- Hazardous Site
- Private Wells
  - GPS Location
  - screen digitized
  - E911 Address
  - Map
  - Unknown
- Public Water Sources
  - Active
  - Proposed
  - Inactive
- Parcels (Standardized)
- Roads
  - Interstate
  - Principal Arterial
  - Minor Arterial
  - Major Collector
  - Minor Collector
  - Local
  - Not part of function Classification S
- Waterbody
- Stream
- Parcels (Non-Standardized)

NOTES

Teago General Store
2035 Pomfret Road
South Pomfret, VT; SMS#96-2670

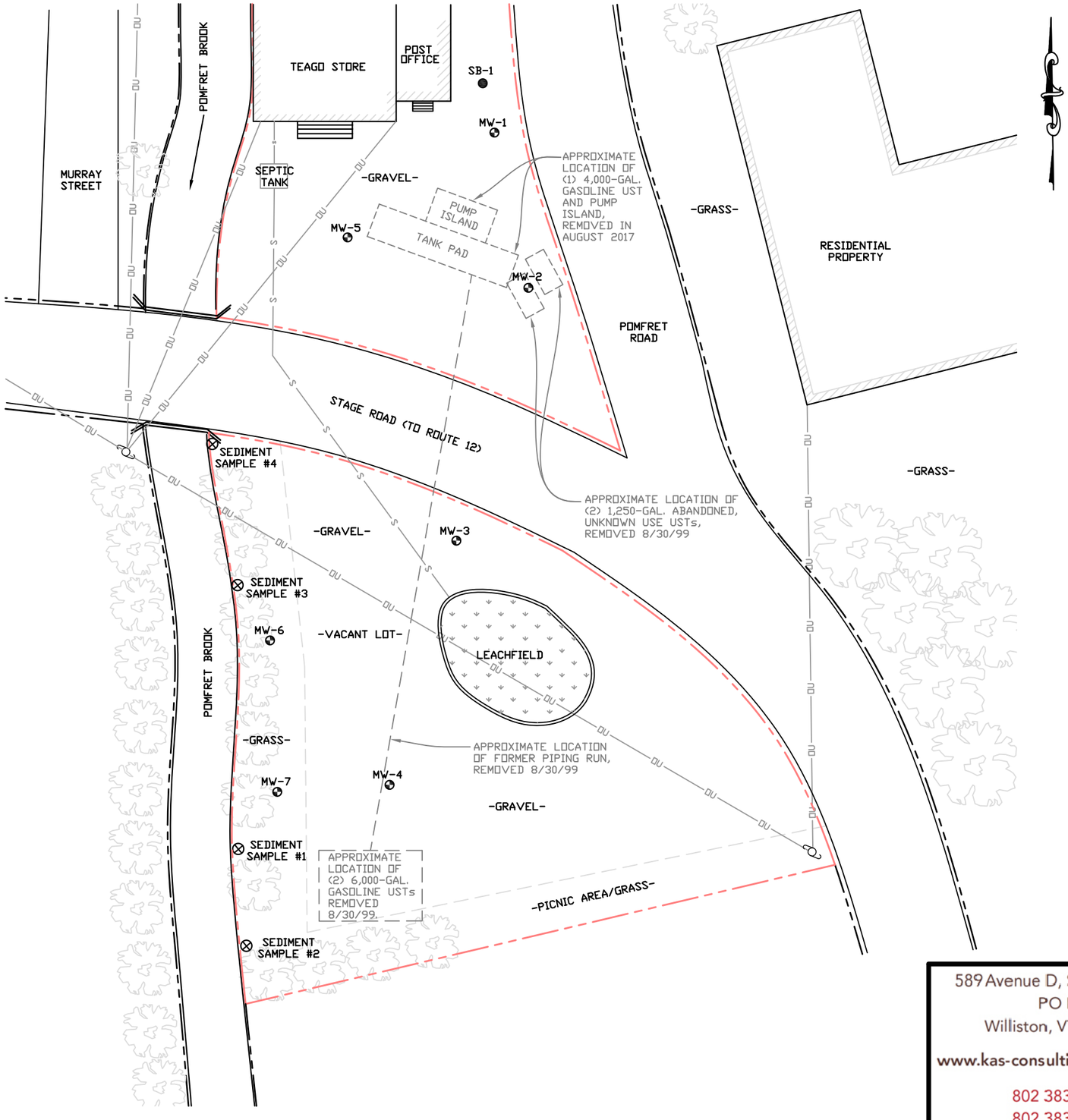
211.0 0 106.00 211.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 346 Ft. 1cm = 41 Meters

© Vermont Agency of Natural Resources

THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.



LEGEND

- MW-2 — MONITORING WELL
- UTILITY POLE
- CATCH BASIN
- TREE/BUSH
- SUBJECT SITE PROPERTY LINE
- PROPERTY LINE
- OU — OVERHEAD UTILITY LINE
- S — SEWER LINE

GRAPHIC SCALE

20' 0 10' 20' 40'

1 INCH = 20 FEET

NOTES:
1. BASE MAP DEVELOPED FROM GRIFFIN INTERNATIONAL INC. SITE SURVEY, 3/15/00, PARCEL DATA FROM VT ANR NATURAL RESOURCES ATLAS MAPPING TOOL, AND FIELD OBSERVATIONS.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

KAS #:401050156
VTDEC #:99-2670

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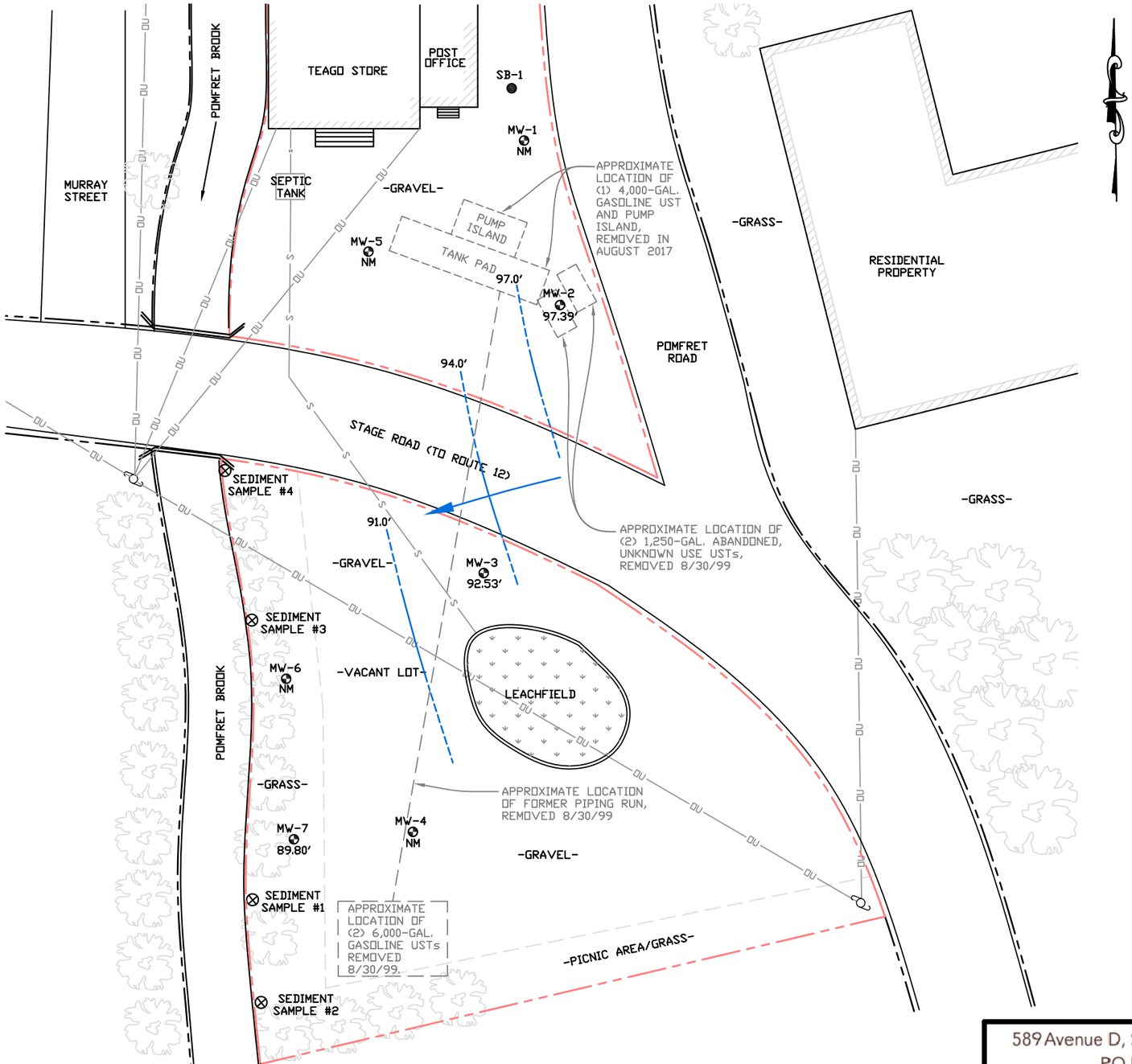
Williston, VT 05495
www.kas-consulting.com
802 383.0486 p
802 383.0490 f

kas environmental science & engineering

TEAGO STORE
2035 STAGE ROAD
SOUTH POMFRET, VERMONT

SITE MAP

DATE: 10/12/18	DWG. #: 1	SCALE: 1"=20'	DRN.: TB	APP.: SD



LEGEND

MW-2 97.39'	MONITORING WELL WITH GROUNDWATER ELEVATION (FT)
NM	NOT MEASURED
90.0'	GROUNDWATER ELEVATION CONTOUR (FT) DASHED WHERE INFERRED)
	APPROXIMATE GROUNDWATER FLOW DIRECTION
	UTILITY POLE
	CATCH BASIN
	TREE/BUSH
	SUBJECT SITE PROPERTY LINE
	PROPERTY LINE
OU	OVERHEAD UTILITY LINE
S	SEWER LINE

GRAPHIC SCALE

20' 0 10' 20' 40'

1 INCH = 20 FEET

NOTES:
1. BASE MAP DEVELOPED FROM GRIFFIN INTERNATIONAL INC. SITE SURVEY, 3/15/00, PARCEL DATA FROM VT ANR NATURAL RESOURCES ATLAS MAPPING TOOL, AND FIELD OBSERVATIONS.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

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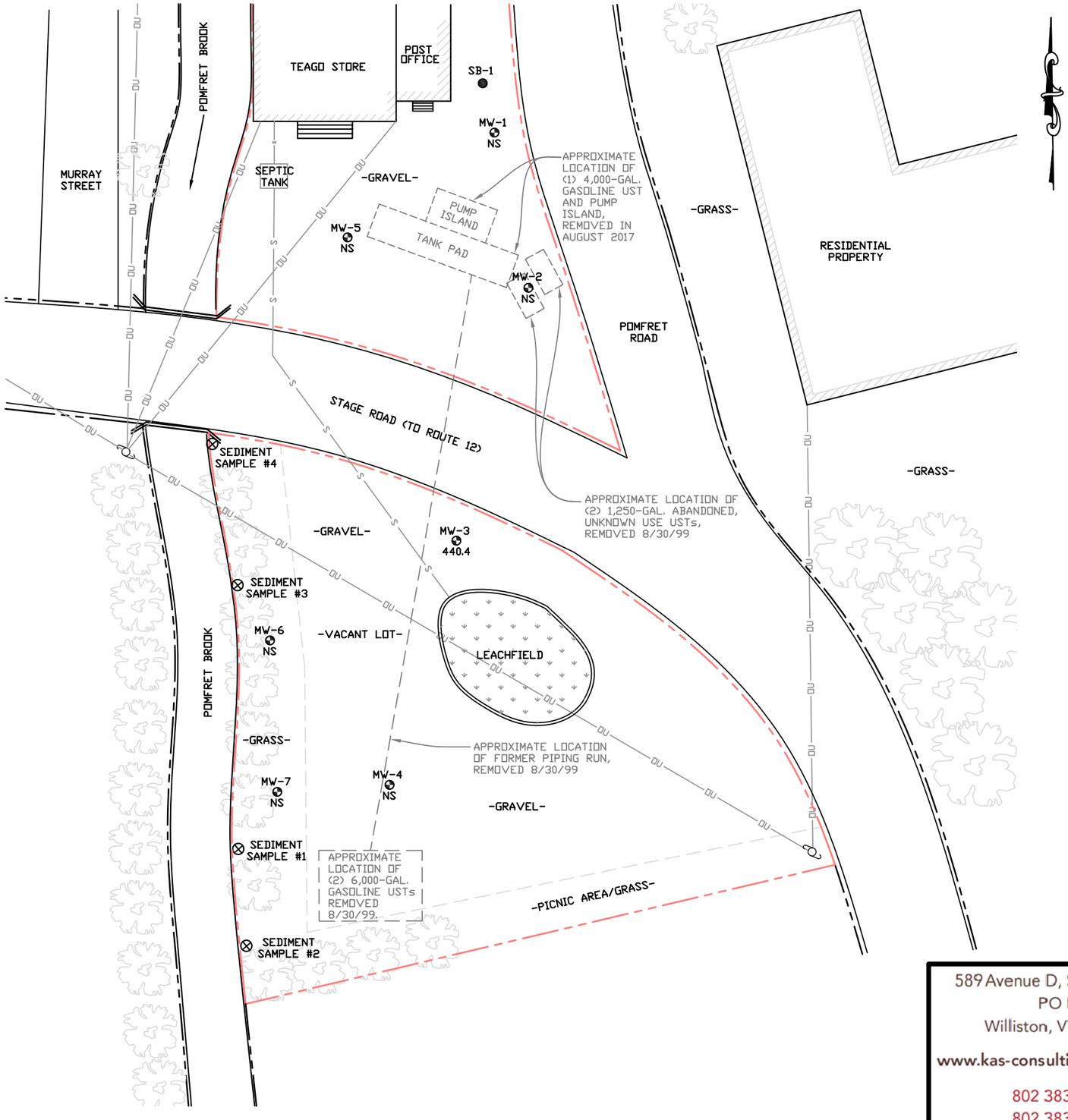
TEAGO STORE
2035 STAGE ROAD
SOUTH POMFRET, VERMONT

GROUNDWATER CONTOUR MAP
MEASURED: 8/22/18

DATE: 10/12/18	DWG. #: 2	SCALE: 1"=20'	DRN.: TB	APP.: SD



LEGEND

MW-2 NS	MONITORING WELL WITH TOTAL TARGETED VOC CONCENTRATION (ug/L; M=8021B)
NS	NOT SAMPLED
	UTILITY POLE
	CATCH BASIN
	TREE/BUSH
	SUBJECT SITE PROPERTY LINE
	PROPERTY LINE
OU	OVERHEAD UTILITY LINE
S	SEWER LINE

GRAPHIC SCALE

20' 0 10' 20' 40'

1 INCH = 20 FEET

NOTES:
1. BASE MAP DEVELOPED FROM GRIFFIN INTERNATIONAL INC. SITE SURVEY, 3/15/00, PARCEL DATA FROM VT ANR NATURAL RESOURCES ATLAS MAPPING TOOL, AND FIELD OBSERVATIONS.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

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TEAGO STORE
2035 STAGE ROAD
SOUTH POMFRET, VERMONT

GROUNDWATER: VOC CONCENTRATION MAP
SAMPLED: 8/22/18

DATE: 10/12/18	DWG. #: 3	SCALE: 1"=20'	DRN.: TB	APP.: SD

Appendix B

Liquid Level Monitoring Data

Summary of Liquid Level Data

Measurement Date: 08/22/18

Well I.D.	Well Depth btoc	Top of Casing Elevation	Depth To Product btoc	Depth To Water btoc	Product Thickness	Specific Gravity Of Product	Water Equivalent	Corrected Depth To Water	Corrected Water Table Elevation
MW1	14.3	101.93	-	NM	-	-	-	-	**NM**
MW2	12.8	101.91	-	4.52	-	-	-	-	**97.39**
MW3	14.5	100.00	-	7.47	-	-	-	-	**92.53**
MW4	14.4	99.92	-	NM	-	-	-	-	**NM**
MW5	15	97.75	-	NM	-	-	-	-	**NM**
MW6	15	99.92	-	NM	-	-	-	-	**NM**
MW7	15	97.75	-	7.95	-	-	-	-	**89.80**

All Values Reported in Feet

btoc - Below Top of Casing

NM - not measured, monitoring well not located

Elevations determined relative to top of casing of MW3, which was arbitrarily set at 100'

Historical Liquid Level Data

Well I.D.	Sample Date											
	3/15/00	8/22/00	12/15/00	4/17/01	11/2/01	4/4/02	5/2/03	3/29/04	5/17/06	5/5/08	7/8/10	5/23/12
MW1	95.44	94.83	95.48	96.70	94.43	95.85	95.47	95.19	96.00	NM	94.58	NM
MW2	95.57	94.55	95.12	97.64	93.81	96.48	95.70	95.06	96.25	96.19	NM	95.17
MW3	93.53	92.86		94.92	92.45	94.18	93.60	93.17	93.94	93.82	92.48	93.28
MW4	92.09	91.43	92.04	93.62	NM	NM	92.24	NM	NM	NM	NM	NM
MW5	NM	90.33	-	92.04	90.02	91.40	91.04	90.84	NM	91.37	90.21	90.57
MW6			93.84	94.41	92.67	94.03	93.63	NM	94.11	93.96	93.03	93.44
MW7			90.36	91.70	89.37	91.14	NM	NM	91.29	91.08	88.82	90.51

All Values Reported in Feet
NM= Not Measured

Well I.D.	Sample Date											
	7/24/14	8/23/16	8/22/18									
MW1	94.89	94.41	NM									
MW2	94.84	NM	97.39									
MW3	93.06	92.38	92.53									
MW4	NM	NM	NM									
MW5	90.33	89.83	NM									
MW6	93.31	NM	NM									
MW7	90.34	NM	89.80									

All Values Reported in Feet
NM= Not Measured

Appendix C

Groundwater Quality Summary

Groundwater Quality Summary

PARAMETER	MW-1									VGES
	3/15/2000	8/22/2000	12/15/2000	4/17/2001	11/2/2001	4/4/2002	5/2/2003	7/24/2014	8/23/2016	
MTBE	<10	<10	<10	<10	<5.0			ND(2.0)		40
Benzene	<1	<1	<1	<1	<1.0	Removed	Removed	ND(1.0)	Removed	5
Toluene	<1	**2.1**	<1	<1	<1.0	From	From	ND(1.0)	from	1,000
Ethylbenzene	<1	<1	<1	<1	<1.0	Sampling	Sampling	ND(1.0)	Sampling	700
Xylenes	<1	**4.2**	<1	<1	<1.0	Schedule	Schedule	ND(2.0)		10,000
1,3,5, trimethyl benzene	<1	<1	<1	<1	<1.0			ND(1.0)		4
1,2,4, trimethyl benzene	<1	**2.1**	<1	<1	<1.0			ND(1.0)		5
Naphthalene	<1	<1	<1	<1	<1.0			ND(2.0)		20
Total VOCs	ND	**8.4**	ND	ND	ND			ND		-

PARAMETER	MW-2									VGES
	3/15/2000	8/22/2000	12/15/2000	4/17/2001	11/2/2001	4/4/2002	5/2/2003	7/24/2014	8/23/2016	
MTBE	<10	<10	**15.6**	<2	<5.0	<2.0	<2.0	ND(2.0)		40
Benzene	<1	<1	**6.0**	<1	**3.1**	<1.0	<1.0	ND(1.0)	Removed	5
Toluene	**1.4**	<1	**2.4**	<1	<1.0	<1.0	<1.0	ND(1.0)	from	1,000
Ethylbenzene	**1.3**	<1	**2.6**	<1	<1.0	<1.0	<1.0	ND(1.0)	Sampling	700
Xylenes	**1.9**	<1	**2.7**	<2	**1.6**	<2.0	<2.0	ND(2.0)		10,000
Total BTEX	**4.6**	ND	**13.7**	ND	**4.7**	ND	ND	ND		
1,3,5, trimethyl benzene	**40.5**	<1	**8.7**	**1.1**	<1.0	<1.0	<1.0	ND(1.0)		4
1,2,4, trimethyl benzene	**84.1**	<1	**11.2**	**1.7**	**1.5**	<1.0	<1.0	ND(1.0)		5
Naphthalene	**2.8**	<1	**2.5**	<2	**1.4**	<2.0	<1.0	ND(2.0)		20
Total VOCs	**136.6**	ND	**51.7**	**2.8**	**7.6**	ND	ND	ND		-

PARAMETER	MW-2									VGES
	8/22/2018									
MTBE										40
Benzene	Well Not									5
Toluene	Located									1,000
Ethylbenzene										700
Xylenes										10,000
Total BTEX										
1,3,5, trimethyl benzene										4
1,2,4, trimethyl benzene										5
Naphthalene										20
Total VOCs										-

NOTES:
All Values Reported in ug/L
VGES - Vermont Groundwater Enforcement Standard (February 14, 2005 and updated December 16, 2016)
ND - None detected above sample-specific compound detection limit
Bold font indicates a detected concentration.
Shaded values meet or exceed VGES

Groundwater Quality Summary

PARAMETER	MW-3									VGES
	3/15/00	8/22/00	12/15/00	4/17/01	11/2/01	4/4/02	5/2/03	3/29/04	5/17/06	
MTBE	<1000	<500		<200		<20.0	<40.0	ND(100.)	ND(100.)	40
Benzene	<100	**108.**	Well	<100	no	<10.0	**29.2**	ND(50.)	ND(50.)	5
Toluene	**6,410.**	**613.**	Inaccessible	**761.**	sample	**56.4**	**267.**	ND(50.)	**253.**	1,000
Ethylbenzene	**1,640.**	**1,210.**		**812.**	heavy	**164.**	**574.**	**510.**	**769.**	700
Xylenes	**11,200.**	**6,870.**		**5,030.**	sheen	**1,000.**	**2,880.**	**1,620.**	**2,740.**	10,000
Total BTEX	**19,250.**	**8,801.**		**6,603.**		**1,220.**	**3,750.**	**2,130.**	**3,762.**	
1,3,5, trimethyl benzene	**1,590.**	**1,040.**		**937.**		**241.**	**735.**	**687.**	**1,610.**	4
1,2,4, trimethyl benzene	**4,190.**	**2,920.**		**2,530.**		**704.**	**1,990.**	**1,920.**	**3,990.**	5
Naphthalene	**441.**	**349.**		**295.**		**84.3**	**267.**	**184.**	**293.**	20
Total VOCs	**25,471.**	**13,110.**		**10,365.**		**2,250.**	**6,742.**	**4,921.**	**9,655.**	-

PARAMETER	MW-3									VGES
	5/5/08	7/8/10	5/23/12	7/24/14	8/23/16	8/22/18				
MTBE	ND(100.)	ND(40.0)	ND(40.0)	**27.1**	ND(10.0)	ND<20.0				40
Benzene	ND(50.)	ND(20.0)	ND(20.0)	ND(5.0)	ND(2.5)	ND<5.0				5
Toluene	**110.**	ND(20.0)	ND(20.0)	ND(10.0)	ND(5.0)	ND<10.0				1,000
Ethylbenzene	**621.**	**130.**	**286**	**100.**	**36.8**	**40.8**				700
Xylenes	**3,050.**	**558.**	**1,230**	**371.**	**78.1**	**36.0**				10,000
Total BTEX	**3,781.**	**688.**	**1,516.**	**498.**	**114.9**	**76.8**				
1,3,5, trimethyl benzene	**780.**	**567.**	**620**	**346.**	**159.**	**106.**				350
1,2,4, trimethyl benzene	**2,250.**	**1,580.**	**1,350**	**732.**	**276.**	**241.**				
Naphthalene	**229.**	**70.4**	**180**	**39.5**	**10.8**	**16.6**				20
Total VOCs	**7,040.**	**2,905.**	**3,666**	**1,616**	**560.7**	**440.4**				-

NOTES:
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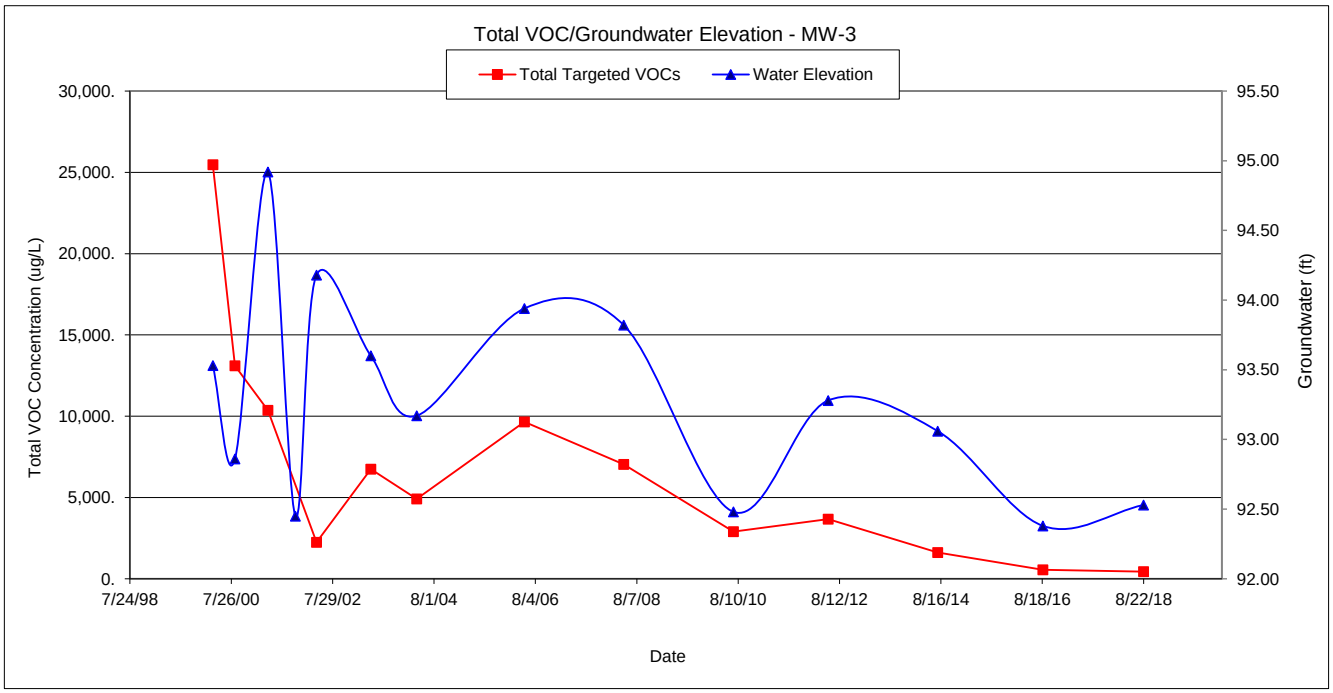
ND - None detected above sample-specific compound detection limit
Bold font indicates a detected concentration.
Shaded values meet or exceed VGES



Groundwater Quality Summary

PARAMETER	MW-4									VGES
	3/15/00	8/22/00	12/15/00	4/17/01	11/2/01	4/4/02	5/2/03	3/29/04	5/17/06	
MTBE	**10.1**	<10	<10	**13.1**		**7.7**	**6.4**			40
Benzene	<1	<1	<1	**1.2**	well	<1.0	**2.5**	Not	Not	5
Toluene	**1.0**	<1	<1	**3.9**	submerged	<1.0	**3.2**	Sampled	Sampled	1,000
Ethylbenzene	**2.3**	<1	<1	**12.4**	beneath	<1.0	**39.4**	Well	Well	700
Xylenes	**2.0**	<1	**1.5**	**19.9**	water	<2.0	**89.5**	Clogged	Clogged	10,000
Total BTEX	**5.3**	ND	**1.5**	**37.4**		ND	**134.6**			
1,3,5, trimethyl benzene	TBQ(1)	<1	<1	<1		<1.0	**10.3**			4
1,2,4, trimethyl benzene	**5.3**	<1	**1.6**	**16.2**		**1.2**	**65.1**			5
Naphthalene	**1.6**	<1	**2.4**	<2		<2.0	**21.5**			20
Total 8021B VOCs	**22.3**	ND	**5.5**	**66.7**		**8.9**	**237.9**			-

PARAMETER	MW-4									VGES
	7/24/14	8/23/2016								
MTBE										40
Benzene	Well not	Removed								5
Toluene	located	from								1,000
Ethylbenzene		Sampling								700
Xylenes										10,000
Total BTEX										
1,3,5, trimethyl benzene										4
1,2,4, trimethyl benzene										5
Naphthalene										20
Total 8021B VOCs										-

PARAMETER	MW-5									VGES
	3/15/00	8/22/00	12/15/00	4/17/01	11/2/01	4/4/02	5/2/03	3/29/04	5/17/06	
MTBE		<10		**19.9**	<5.0	**8.6**	**5.9**	**11.2**	Well	40
Benzene	well	<1	well	**14.0**	<1.0	<1.0	**1.8**	ND(1.0)	under a	5
Toluene	submerged	<1	submerged	**168.**	<1.0	<1.0	<1.0	ND(1.0)	puddle	1,000
Ethylbenzene	beneath	<1	beneath	**9.9**	<1.0	<1.0	<1.0	ND(1.0)		700
Xylenes	water	<1	water	**233.**	<1.0	<2.0	<2.0	ND(2.0)		10,000
Total BTEX		ND		**425.**	ND	ND	**1.8**	ND		
1,3,5, trimethyl benzene		<1		**81.8**	<1.0	<1.0	<1.0	ND(1.0)		350
1,2,4, trimethyl benzene		<1		**120.**	<1.0	<1.0	<1.0	ND(1.0)		
Naphthalene		<1		**5.2**	<1.0	<2.0	<1.0	ND(1.0)		20
Total VOCs		ND		**652.**	ND	**8.6**	**7.7**	**11.2**		-

PARAMETER	MW-5									VGES
	5/5/08	7/8/10	5/23/12	7/24/14	8/23/2016	8/22/18				
MTBE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)						40
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	Removed	Well Not				5
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	from	Located				1,000
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	Sampling					700
Xylenes	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)						10,000
Total BTEX	ND	ND	ND	ND						
1,3,5, trimethyl benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)						350
1,2,4, trimethyl benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)						
Naphthalene	ND(1.0)	ND(2.0)	ND(2.0)	ND(2.0)						20
Total VOCs	ND	ND	ND	ND						-

NOTES:
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Bold font indicates a detected concentration.
Shaded values meet or exceed VGES

Groundwater Quality Summary

PARAMETER	MW-6									VGES
	3/15/2000	8/22/2000	12/15/2000	4/17/2001	11/2/2001	4/4/2002	5/2/2003	7/24/2014	8/23/2016	
MTBE			<10	<2	<5.0			ND(2.0)		40
Benzene			<1	<1	<1.0	Removed	Removed	ND(1.0)	Removed	5
Toluene	well	well	<1	<1	<1.0	From	From	ND(1.0)	from	1,000
Ethylbenzene	did	did	<1	<1	<1.0	Sampling	Sampling	ND(1.0)	Sampling	700
Xylenes	not	not	<1	<2	<1.0	Schedule	Schedule	ND(2.0)		10,000
1,3,5, trimethyl benzene	exist	exist	<1	<1	<1.0			ND(1.0)		4
1,2,4, trimethyl benzene			<1	<1	<1.0			ND(1.0)		5
Naphthalene			<1	<2	<1.0			ND(2.0)		20
Total 8021B VOCs			ND	ND	ND			ND		-

PARAMETER	MW-7									VGES
	3/15/2000	8/22/2000	12/15/2000	4/17/2001	11/2/2001	4/4/2002	5/2/2003	7/24/2014	8/23/2016	
MTBE			<10	<2	<5.0			ND(2.0)		40
Benzene			<1	<1	<1.0	Removed	Removed	ND(1.0)	Removed	5
Toluene	well	well	<1	<1	<1.0	From	From	ND(1.0)	from	1,000
Ethylbenzene	did	did	<1	<1	<1.0	Sampling	Sampling	ND(1.0)	Sampling	700
Xylenes	not	not	<1	<2	<1.0	Schedule	Schedule	ND(2.0)		10,000
1,3,5, trimethyl benzene	exist	exist	<1	<1	<1.0			ND(1.0)		4
1,2,4, trimethyl benzene			<1	<1	<1.0			ND(1.0)		5
Naphthalene			<1	<2	<1.0			ND(2.0)		20
Total 8021B VOCs			ND	ND	ND			ND		-

NOTES:
All Values Reported in ug/L
VGES - Vermont Groundwater Enforcement Standard (February 14, 2005 and updated December 16, 2016)
ND - None detected above sample-specific compound detection limit
Bold font indicates a detected concentration.
Shaded values meet or exceed VGES

QUALITY ASSURANCE / QUALITY CONTROL (QA/QC) SAMPLES

Sample Date: / *Analytical Method:* / PARAMETER	**Trip Blank** 8/22/2018 8021B	**MW-3** 8/22/2018 8021B	**Duplicate** 8/22/2018 8021B	**RPD *** %
MTBE	ND(2.0)	ND<20.0	ND<20.0	**-**
Benzene	ND(1.0)	ND<5.0	ND<5.0	**-**
Toluene	ND(1.0)	ND<5.0	ND<5.0	**-**
Ethylbenzene	ND(1.0)	**40.8**	**44.3**	**8.2**
Xylenes	ND(2.0)	**36.0**	**44.2**	**20.4**
1,3,5-Trimethylbenzene	ND(1.0)	**106.**	**117.**	**9.9**
1,2,4-Trimethylbenzene	ND(1.0)	**241.**	**271.**	**11.7**
Naphthalene	ND(2.0)	**16.6**	**17.4**	**4.7**
Total Targeted VOCs	ND	**440.4**	**493.9**	**11.5**

NOTES:
All Values Reported in ug/L
VGES - Vermont Groundwater Enforcement Standard (February 14, 2005 and updated December 16, 2016)
ND - None detected above sample-specific compound detection limit
Bold font indicates a detected concentration.
Shaded values meet or exceed VGES

Appendix D

Analytical Laboratory Report

ENDYNE Inc.
Environmental Laboratories

Laboratory Report

KAS, Inc 100306
PO Box 787
Williston, VT 05489

Atten: Sam Driver

PROJECT: 401050156 Teago Store
WORK ORDER: **1808-21435**
DATE RECEIVED: August 23, 2018
DATE REPORTED: September 06, 2018
SAMPLER: Jolene Tuner

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.
Laboratory Director

CLIENT: KAS, Inc
PROJECT: 401050156 Teago Store
REPORT DATE: 9/6/2018

WORK ORDER: **1808-21435**
DATE RECEIVED: 08/23/2018

TEST METHOD: EPA 8260C

001 Site: MW-3 Date Sampled: 8/22/18 11:49 Analysis Date: 9/5/18 W TEL

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Methyl-t-butyl ether (MTBE)	< 20.0	ug/L	A		Benzene	< 5.0	ug/L	A	
Toluene	< 10.0	ug/L	A		Ethylbenzene	40.8	ug/L	A	
Xylenes, Total	36.0	ug/L	A		1,3,5-Trimethylbenzene	106	ug/L	A	
1,2,4-Trimethylbenzene	241	ug/L	A		Naphthalene	16.6	ug/L	A	
Surr. 1 (Dibromofluoromethane)	100	%	A		Surr. 2 (Toluene d8)	100	%	A	
Surr. 3 (4-Bromofluorobenzene)	99	%	A		Unidentified Peaks	>10		U	

TEST METHOD: EPA 8260C

002 Site: Duplicate Date Sampled: 8/22/18 11:49 Analysis Date: 9/5/18 W TEL

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Methyl-t-butyl ether (MTBE)	< 20.0	ug/L	A		Benzene	< 5.0	ug/L	A	
Toluene	< 10.0	ug/L	A		Ethylbenzene	44.3	ug/L	A	
Xylenes, Total	44.2	ug/L	A		1,3,5-Trimethylbenzene	117	ug/L	A	
1,2,4-Trimethylbenzene	271	ug/L	A		Naphthalene	17.4	ug/L	A	
Surr. 1 (Dibromofluoromethane)	100	%	A		Surr. 2 (Toluene d8)	99	%	A	
Surr. 3 (4-Bromofluorobenzene)	100	%	A		Unidentified Peaks	>10		U	

TEST METHOD: EPA 8260C

003 Site: Trip Blank Date Sampled: 8/22/18 07:39 Analysis Date: 9/5/18 W TEL

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		Benzene	< 0.5	ug/L	A	
Toluene	< 1.0	ug/L	A		Ethylbenzene	< 1.0	ug/L	A	
Xylenes, Total	< 2.0	ug/L	A		1,3,5-Trimethylbenzene	< 1.0	ug/L	A	
1,2,4-Trimethylbenzene	< 1.0	ug/L	A		Naphthalene	< 2.0	ug/L	A	
Surr. 1 (Dibromofluoromethane)	100	%	A		Surr. 2 (Toluene d8)	100	%	A	
Surr. 3 (4-Bromofluorobenzene)	100	%	A		Unidentified Peaks	0		U	

ENDYNE, INC.
160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY-RECORD

79775

Special Reporting Instructions/PO#: 401050156

Project Name: Teago Store S. Pomfret, VT	Client/Contact Name: Sam Driver KAS	Sampler Name: Jolene Turner KAS
State of Origin: VT X NY __ NH __ Other __	Phone #:	Phone #:
Endyne WO #	Mailing Address: KAS	Billing Address: KAS

Sample Location	Matrix	GRAB	COMP	Date/Time Sampled	Sample Containers No.	Sample Containers Type/Size	Sample Preservation	Analysis Required	FieldResults/Remarks	Due Date
MW-3	H2O	X		8/22/18 1149	2	40mL	HCL	8021B		
Trip Blank	↓	↓		739	↓	↓	↓	↓		
Duplicate	↓	↓		1149	↓	↓	↓	↓		

1808-21435
1808-21435
KAS, Inc
401050156 Teago Store

Relinquished by:	Date/Time	Received by:	Date/Time	Received by:	Date/Time
	8/22/18 1421		8/23/18 11:43	Courney	8/23/18 @ 12:08

1	pH	6	TKN	11	Total Solids	16	Sulfate	21	1664 TPH/FOG	26	8270 PAH Only
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	8015 GRO	27	8081 Pest
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	8015 DRO	28	8082 PCB
4	Nitrite N	9	BOD	14	Turbidity	19	VT PCF	24	8260B	29	PP13 Metals
5	Nitrate N	10	Alkalinity	15	Conductivity	20	VOC Halocarbons	25	8270 B/N or Acid	30	Total RCRA8
31	Metals (Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Tl, U, V, Zn										
32	TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides)					33	Other				
34	Corrosivity	35	Ignitability	36	Reactivity	37	Other				
38	Other										

LAB USE ONLY
Delivery: Client
Temp: 4.2
Comment:

(White - Laboratory / Yellow - Client)

Appendix E

VTDEC Checklist

Vermont Department of Environmental Conservation
Waste Management and Prevention Division
Sites Management Section
I-Rule LONG TERM MONITORING Report Checklist

Site Number: 99-2670

Site Name: Teago General Store

Site Address: 2035 Pomfret Road

Site City/Town: South Pomfret

Report Title: August 2018 Long Term Groundwater Monitoring Report

Report Date: October 3, 2018

Consultant: KAS, Inc.

Report Author: Sam Driver

Deliverable	YES	N/A	Comments	WMPD Use Only	
				Adequate	Inadequate
Subchapter 5. Corrective Action		N/A			
§35-509. Long Term Monitoring	YES				
Updated Executive Summary	YES				
Updated CSM	YES				
Contaminated media characterization	YES				
Updated site maps	YES				
Sample locations, methods and SOPs used	YES				
Work plan deviations		N/A			
Analysis of how data gathered supports CSM	YES				
Data presentation (narrative, tabular, and graphical)	YES				
NAPL recovery results		N/A			
Screening results from stockpiled soil		N/A			
Current condition of monitoring network	YES				
Changes in site and neighboring properties		N/A			
Changes in site which conflict with ICs		N/A			
Handling investigation and remediation derived wastes		N/A			
Discussion of findings	YES				
Signature and certification	YES				

RECEIVED & RECORDED
On January 10, 2020
At 2:20 P.M.
Book 82 Page 86-9
TOWN CLERK - POMFRET, VT

VERMONT

State of Vermont
Department of Environmental Conservation
Waste Management and Prevention Division
1 National Life Dr – Davis 1
Montpelier, VT 05620-3704
(802) 828-1138
matt.moran@vermont.gov

AGENCY OF NATURAL RESOURCES

January 3, 2020
E-mail

KATHLEEN DOLAN
POMFRET GENERAL STORE, LLC
PO BOX 163
SOUTH POMFRET, VT 05067
kd@artistreevt.org

RE: Site Management Activities Complete, Teago General Store, SMS #99-2670, South Pomfret

Dear Ms. Dolan:

The Sites Management Section (SMS) reviewed the above referenced site file. This letter is to serve notice to the Town of Pomfret, Vermont, that at the Teago General Store property located at 2035 Pomfret Road soil and groundwater in the subsurface are impacted by petroleum released from former gasoline underground storage tanks (UST). This property is further described in the Pomfret town records as lot #_____ tax parcel #_____. The property is filed in the Vermont Department of Environmental Conservation (VTDEC) Waste Management and Prevention Division Sites Management Section (SMS) records as the Teago General Store, SMS Site #1999-2670. Copies of the site investigation reports are in the site file and are available for review at the VTDEC offices in Montpelier, Vermont or electronically. Information contained within our file includes the following:

- *During the August 1999 removal of two 6,000-gallon gasoline and two 1,250-gallon abandoned underground storage tanks (USTs) contaminated soil and groundwater were observed. Volatile organic compounds (VOC) were measured by a photoionization detector (PID). PID readings of the soils at the USTs ranged up to 320 parts per million (ppm). The soil was observed to be sand and gravel. Groundwater was encountered at a depth of 11'. Approximately 80 yds^3 of contaminated soils were stockpiled on site. Additional investigation was required by the SMS.*

- *On March 8, 2000, 6 soil borings were advanced and 5 of these were completed as groundwater monitor wells in order to evaluate potential contamination related to the USTs, dispenser island, and product lines. Fine to medium sands were observed from grade to 15' below the ground.*

- *On March 15, 2000 MW-1 to -4 were sampled for VOCs via EPA Method 8021B. The site water supply well and another supply well at the residence ~200' to the south were sampled for VOCs via EPA 524.2 for drinking water. No contamination was detected in MW-1 or the two water supply wells. In MW-4, 1,2,4-trimethylbenzene (5.3 µg/L) was found above the Vermont Groundwater Enforcement Standards (VGES). In MW-2, 1,2,4-trimethylbenzene (84 µg/L) and 1,3,5-trimethylbenzene (40 µg/L) were found above the VGES. The groundwater in*

(over)

MW-3 exceeded the VGES for all tested compounds and the total VOC level was 25,471 µg/L. Total petroleum hydrocarbons (TPH) were found in MW-2, -3 and -4, with the highest level in MW-3 (28,100 µg/L). TPH does not have a regulatory standard but is used as a general indicator of petroleum contamination.

- *On August 22, 2000 monitor wells MW-1 to -5 were sampled for VOCs. Four sediment samples were collected from the Pomfret Brook bank. No contamination was detected in MW-2, -4, and -5, as well as sediment samples #1, #2, and #3. In MW-3, benzene, ethylbenzene, 1,3,5- and 1,2,4-trimethylbenzene and naphthalene were found above the Vermont Groundwater Enforcement Standards (VGES). In MW-1 several petroleum compounds were found below the VGES. Sediment sample #4 contained xylene, trimethyl-benzene and naphthalene below applicable standards. By the December 12, 2000 sampling round, the monitoring well network had been expanded to 7 monitor wells. MW-1, -2, and -5 were located on the north side of Stage Road most proximal to the UST systems, and MW-3, -4, -6, and -7 were located on the south side of Stage Road. The property on the south side of the road is part of the same parcel and is undeveloped.*

- *Long term groundwater monitoring and soil stockpile screening were used to manage the site between 2000 and 2018. The site was sampled 15 times. In 2003 permission was given to dispose of the soil stockpile by thin spreading.*

- *On August 1, 2017 the last remaining 4,000-gallon gas UST was removed. The UST was reported in excellent condition and the observed contamination was from the previous USTs. Groundwater sampling after the UST removal supported the UST assessment findings that the contamination was historic in nature.*

- *Following the August 2018 sampling round, the SMS concluded that remediation and additional groundwater monitoring were not necessary at this property as standards at that time were attained and we requested that the groundwater monitor wells be properly closed prior to site closure.*

- *The site building and water supply well and a neighbor's supply well were identified as sensitive receptors. With respect to the onsite building, no groundwater contaminants have been detected in the three proximal monitor wells since 2004, and vapor intrusion is not believed to be a significant risk. The Pomfret Brook, bordering the property, is the nearest potentially at-risk surface water. With the installation of MW-6 and -7 the down gradient extent of the contaminated groundwater was defined and showed no regulatory impact to the Pomfret Brook. No other at-risk sensitive receptors were identified.*

- *On August 5, 2019 the four remaining site monitor wells (MW-2, MW-3, MW-6 and MW-7) were properly closed. The well covers were removed, the well casings were pulled out, the boreholes were filled with hydrated bentonite pellets, and the surface was finished to grade to the surroundings.*

Based on the above information, the SMS has determined that the site has satisfied the requirements of Subchapter 10 **§ 35-1001** of the Investigation and Remediation of Contaminated Properties rule (IRULE) and the SMS is not requesting any additional work in response to the gasoline contamination observed during the August 1999 removal of four gasoline USTs and the August 2017 removal of the last remaining gasoline UST. The release(s) no longer constitute an unacceptable exposure to human health and the environment. Therefore, the SMS is assigning the site a Sites Management Activities Completed (SMAC) designation. The SMAC designation does not release the owner and/or operators (past, current, or future), from any past

or future environmental liability associated with residual contamination from the identified release(s) or from any contamination discovered after the site receives this designation. It also does not mean that the site is free of contamination or absent of other environmental issues. **The Secretary may return the site to an active status if any of the criteria outlined in Subchapter 10 § 35-1001(f) of the IRULE are met.**

This SMAC letter and attached site map also serve as a **Notice to the Land Records** to document that residual soil and ground water contamination remains on this property from the gasoline release(s) identified in 1999 and 2017. Any residual contamination at the site does not pose an unacceptable risk to human health and the environment providing it remains undisturbed. Prior to conducting any subsurface work, excavation, or groundwater extraction in the vicinity of the contamination depicted on the enclosed site plan, the VTDEC SMS must be notified. The status of this site may only be updated or altered by the VTDEC SMS. If a person fails to follow the use restrictions contained within this notice, the person may be liable for further site investigation, remediation, and penalties pursuant to the Vermont Waste Management Act, 10 V.S.A. Chapter 159.

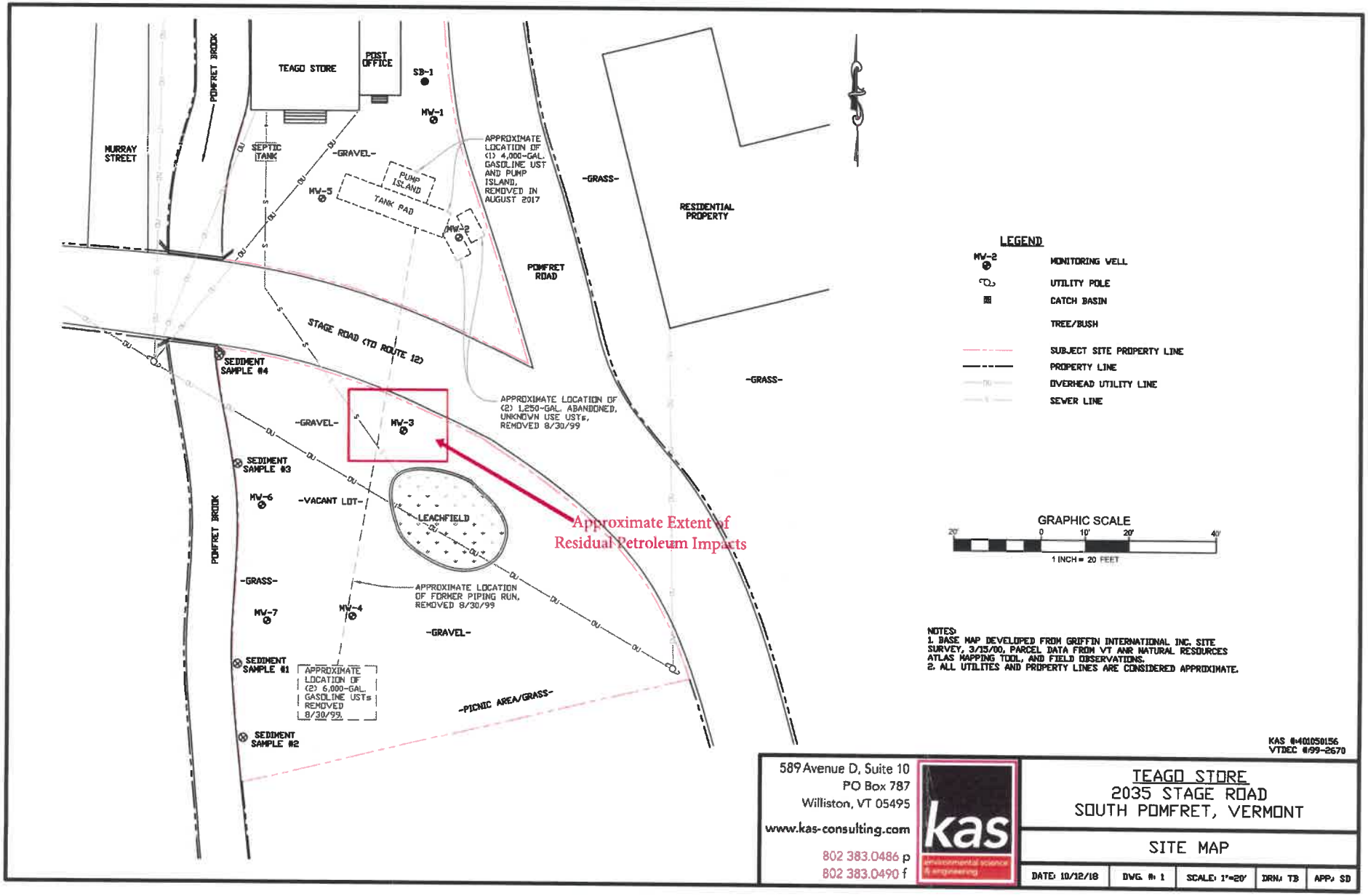
This SMAC letter and attached site map shall be entered within 7 days into the land record to document that residual soil and groundwater contamination remains on site. A copy of the recorded SMAC letter with the recorder's stamp, Date, Book and Page Number must be provided to the Agency within 10 days of recording; upon which time the SMAC designation will take effect.

If you have any questions, please feel free to contact me or Gerold Noyes, the Project Manager, at (802) 828-1138.

Sincerely,

Matt Moran, Environmental Program Manager
Sites Management Section

CC: Charles Gunderson, former owner, Stage Road Enterprises, Inc, PO Box 127, S. Pomfret, VT 05067
Sam Driver, KAS, Inc.
Jeremy Roberts, KAS, Inc.
DEC Regional Office
Pomfret Select Board
Pomfret Health Officer



589 Avenue D, Suite 10
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802 383.0486 p
802 383.0490 f

kas environmental science & engineering

TEAGO STORE
2035 STAGE ROAD
SOUTH POMFRET, VERMONT

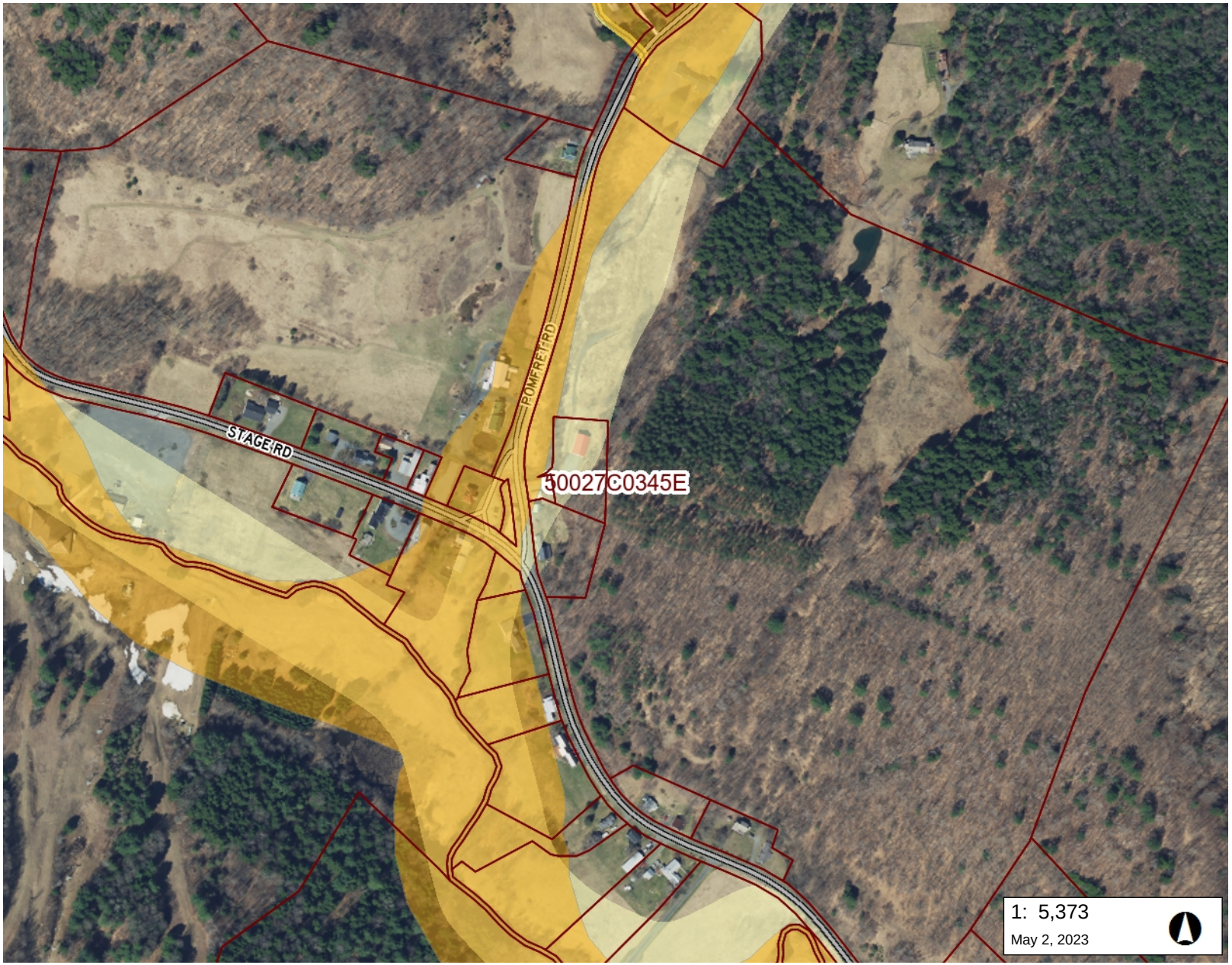
SITE MAP

DATE: 10/12/18	DWG. #: 1	SCALE: 1"=20'	DRN: TB	APP: SD

Floodplains Rivers Map

Vermont Agency of Natural Resources

vermont.gov





LEGEND

- DFIRM X-Sections
- DFIRM - Letter of Map Revisio
- DFIRM Panels
- DFIRM Floodways
- Flood Hazard Areas (Only FEM
  - AE (1-percent annual chance floodp
  - A (1-percent annual chance floodpl
  - AO (1-percent annual chance zone feet)
  - 0.2-percent annual chance flood ha
- River Corridors (Aug 27, 2019)
- .5 - 2 sqmi.
- .25-.5 sqmi.
- Parcels (standardized)
- Roads
  - Interstate
  - US Highway; 1
  - State Highway
  - Town Highway (Class 1)
  - Town Highway (Class 2,3)
  - Town Highway (Class 4)
  - State Forest Trail
  - National Forest Trail
  - Legal Trail
  - Private Road/Driveway
  - Proposed Roads
- Town Boundary

NOTES

Map created using ANR's Natural Resources Atlas

273.0 0 136.00 273.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 448 Ft. 1cm = 54 Meters

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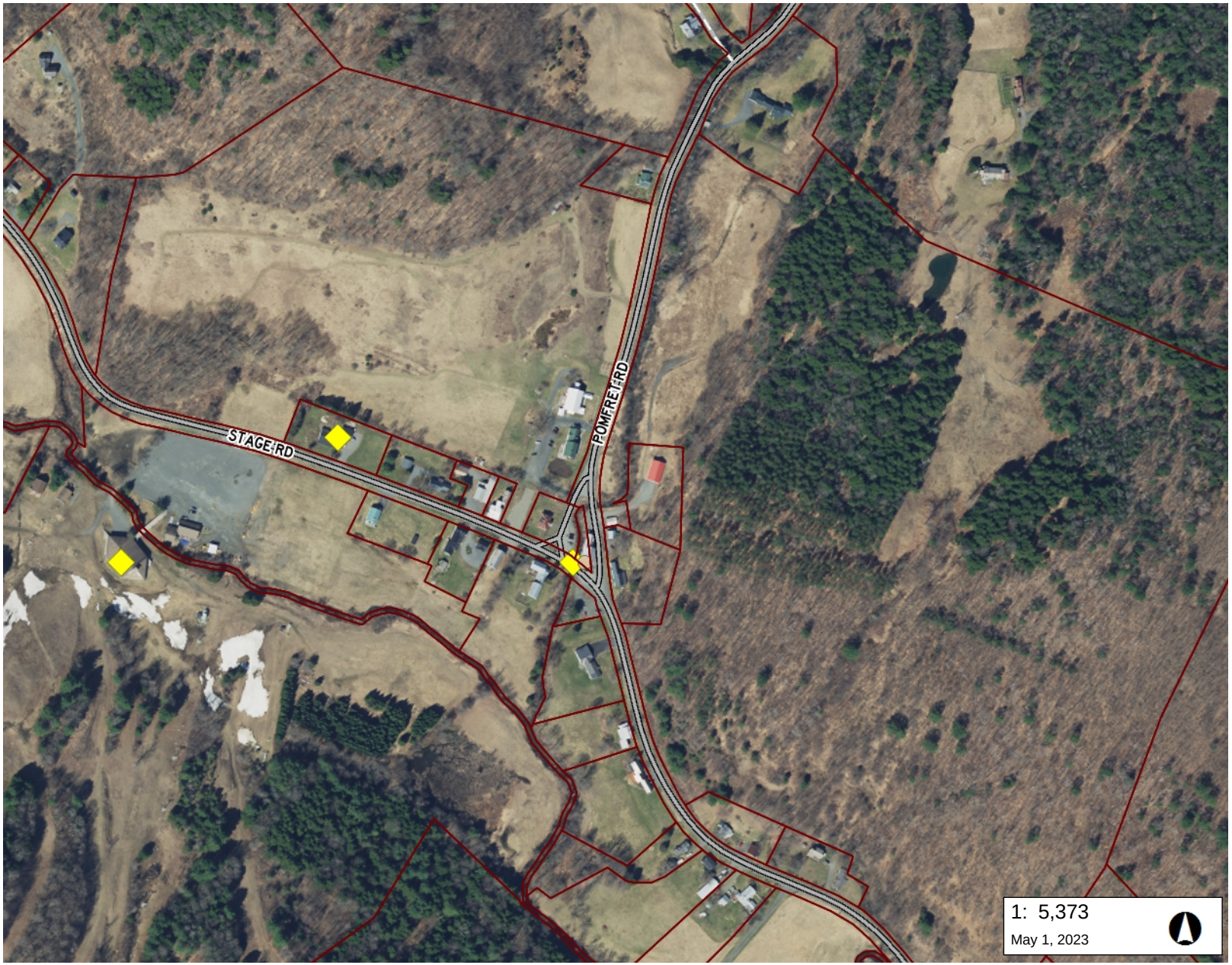
Hazardous Waste Urban Soils Map

Vermont Agency of Natural Resources

vermont.gov





LEGEND

- Landfills
  - OPERATING
  - CLOSED
- Land Use Restrictions
  - Class IV GW Reclass
  - Class VI GW Reclass
  - Deed Restriction
  - Easement
  - Land Record Notice
  - Other
- Hazardous Site
- Hazardous Waste Generators
- Brownfields
- Salvage Yard
- Aboveground Storage Tank
- Underground Storage Tank (w
- Dry Cleaner
- Urban Soil Background Areas
- Parcels (standardized)
- Roads
  - Interstate
  - US Highway; 1
  - State Highway
  - Town Highway (Class 1)
  - Town Highway (Class 2,3)
  - Town Highway (Class 4)
  - State Forest Trail
  - National Forest Trail

NOTES

Map created using ANR's Natural Resources Atlas

273.0 0 136.00 273.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 448 Ft. 1cm = 54 Meters

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VERMONT

Other Resources Map

Vermont Agency of Natural Resources

vermont.gov





LEGEND

- Protected Lands
  - Private Organizations
  - Vermont Municipalities
  - State
  - Federal
- Parcels (standardized)
- Waterbody
- Stream
  - Stream
  - Intermittent Stream
- ACT250 Permits
- Roads
  - Interstate
  - US Highway; 1
  - State Highway
  - Town Highway (Class 1)
  - Town Highway (Class 2,3)
  - Town Highway (Class 4)
  - State Forest Trail
  - National Forest Trail
  - Legal Trail
  - Private Road/Driveway
  - Proposed Roads
- Town Boundary

1: 5,373

May 2, 2023

273.0 0 136.00 273.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 448 Ft. 1cm = 54 Meters

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NOTES

Map created using ANR's Natural Resources Atlas

VERMONT

Alexander Honsinger
VTrans Cultural Resources Specialist
Agency of Transportation
Project Delivery Bureau - Environmental Section
Barre City Place
219 Main St.
Barre City, VT 05641
802-793-7456 phone
al.honsinger@vermont.gov

To: Lee Goldstein, Environmental Specialist

From: Alexander Honsinger, VTrans Cultural Resources Specialist
Kyle Obenauer, VTrans Senior Architectural Historian

Date: May 25, 2023

Subject: Pomfret STP BP21(20) – Archaeological and Above-ground Historic Resource ID Memo

This resource identification (ID) memo concerns a broad survey area which could be impacted by a proposed project in the southwestern portion of the town of Pomfret (Figure 1). A site visit was conducted on May 11th, 2023, to assess above-ground historic resources and archaeological sensitivity within this preliminary survey area that could potentially be affected by a future transportation project.

Terrain within the survey area is relatively level, to gradually sloping, with soils primarily comprised of well-drained, eolian and glaciofluvial deposits. According to the USDA Web Soil Survey (2023), the soils are further classified as Agawam fine sandy loam (8B, 92.2%), Vershire-Dummerston complex (19D, 7.2%), Rumney fine sandy loam (33, 0.4%), and Teago-Pomfret complex (36E0, 2%) (Figure 2). The course of Pomfret Brook bisects the survey area prior to its confluence with Barnard Brook, which parallels the southern project boundary.

Pomfret was surveyed and subdivided for agricultural lands by 1761, while permanent settlement in the town of commenced by the year 1769 (Aldrich and Holmes 1891: 728-730). The contemporary roadway layout of South Pomfret Village was established by the nineteenth century (Figures 3 and 4). Twentieth century infrastructure alterations within the survey area include, but are not limited to, the Pomfret Bridge built in 1926, and the Stage Road bridge built in 1939. There are no previously recorded archaeological sites within the survey area. The closest site, VT-WN-0322, is located over a km from the project area to the northwest and consists of poured-concrete mill remains. Crown Consulting Archaeology assessed the survey area in July of 2022 and identified three areas of archaeological sensitivity (Knight 2022:5; Figure 5). Following the site visit, VTrans staff confirmed the determinations of Crown Consulting Archaeology staff concerning the floodplain east of Stage Road along Pomfret Brook, the NRHP listed Abbot Memorial Library lawn west of Pomfret Brook and Library Street, and the field south of Stage Road in the western portion of the survey area (Knight 2022:5; Figure 5). In addition, VTrans' staff also identified an additional two archaeologically sensitive landforms comprised of well-drained, level terrain near the Pomfret and Barnard drainages (Figure 5). These archaeologically sensitive areas have **been mapped and are available in the VTRANS Environmental Group Archaeology Resource Collection, ESRI ArcGIS Online web map.**

One NRHP listed property is located within the survey area, the Abbot Memorial Library (15 Library Street), built in 1905 (Figure 6). The state register also contains an additional two listed properties, the Betram House (43 Stage Road) and the Webster House (2020 Pomfret Road). VHB (2022) previously conducted an above-ground historic resource identification in the survey area. VHB staff ultimately assessed a total of twenty-five properties, thirteen of which were deemed eligible contributing resources to a potential South Pomfret Historic District (Figure 7 and Table 1). VTrans concurs with VHB's findings concerning the above-ground historic resources within the survey area. These historic properties have **been mapped and are available in the VTRANS Environmental Group Historic Preservation Resource Collection, ESRI ArcGIS Online web map.**

Upon receiving the project scope and design, potential impacts to archaeological and above-ground historic resources can be further accessed, and avoidance measures can be developed to satisfy requirements under Section 106 and 22 VSA § 14.

Thank you,
Alexander Honsinger
VTrans Cultural Resources Specialist

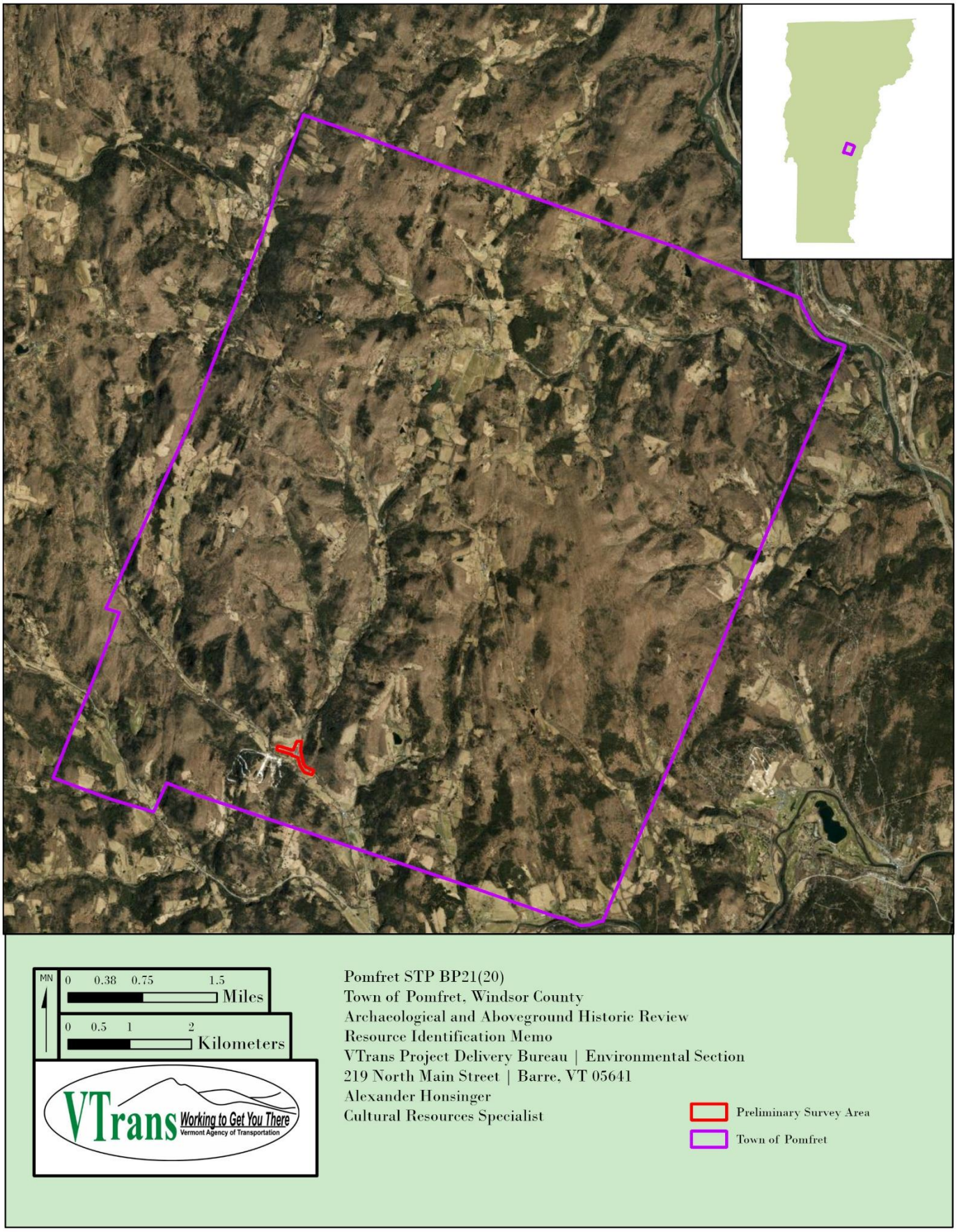

Figure 1. Preliminary survey area within the town of Pomfret.

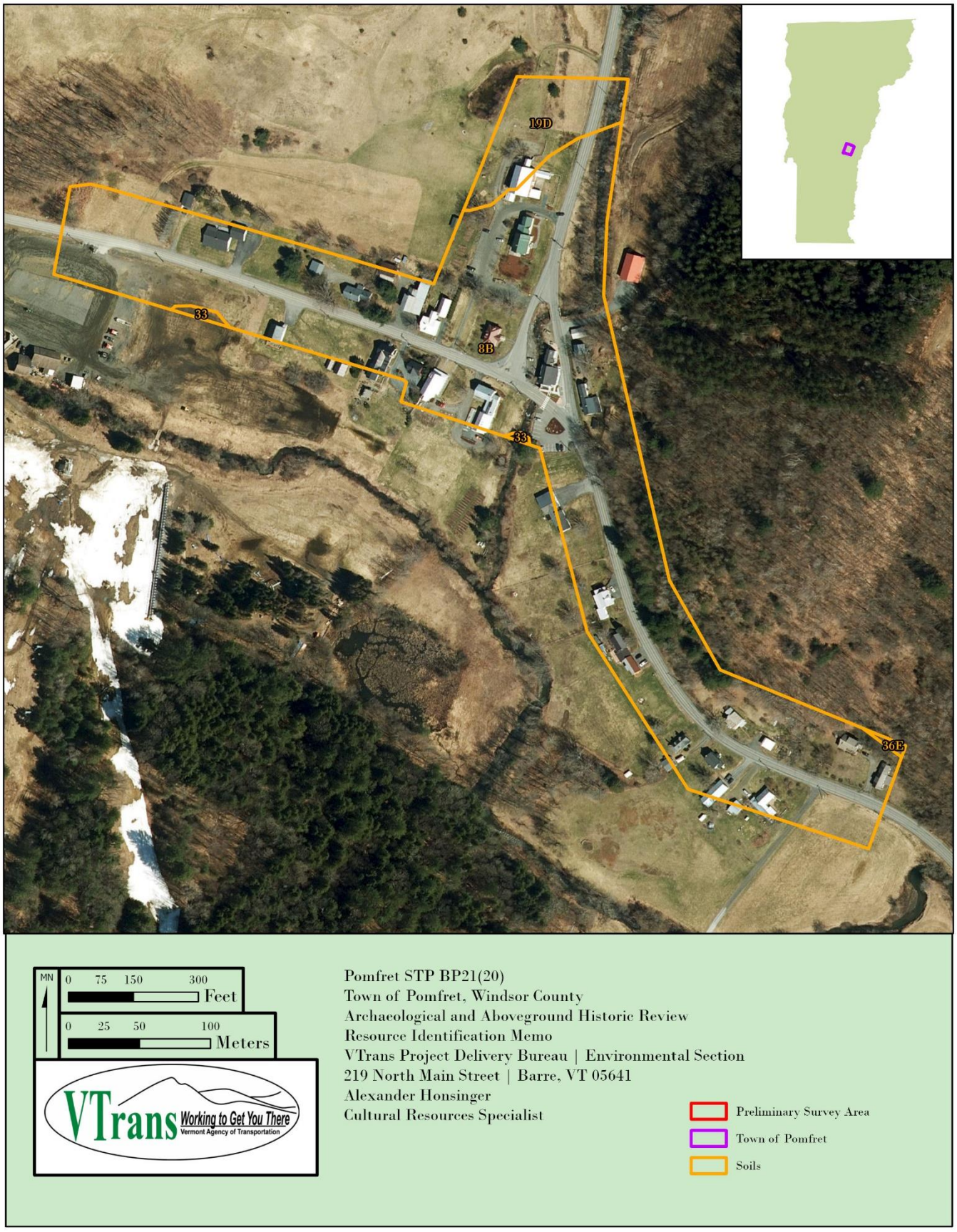

Figure 2. Map depicting soils within the preliminary survey area (USDA 2023).

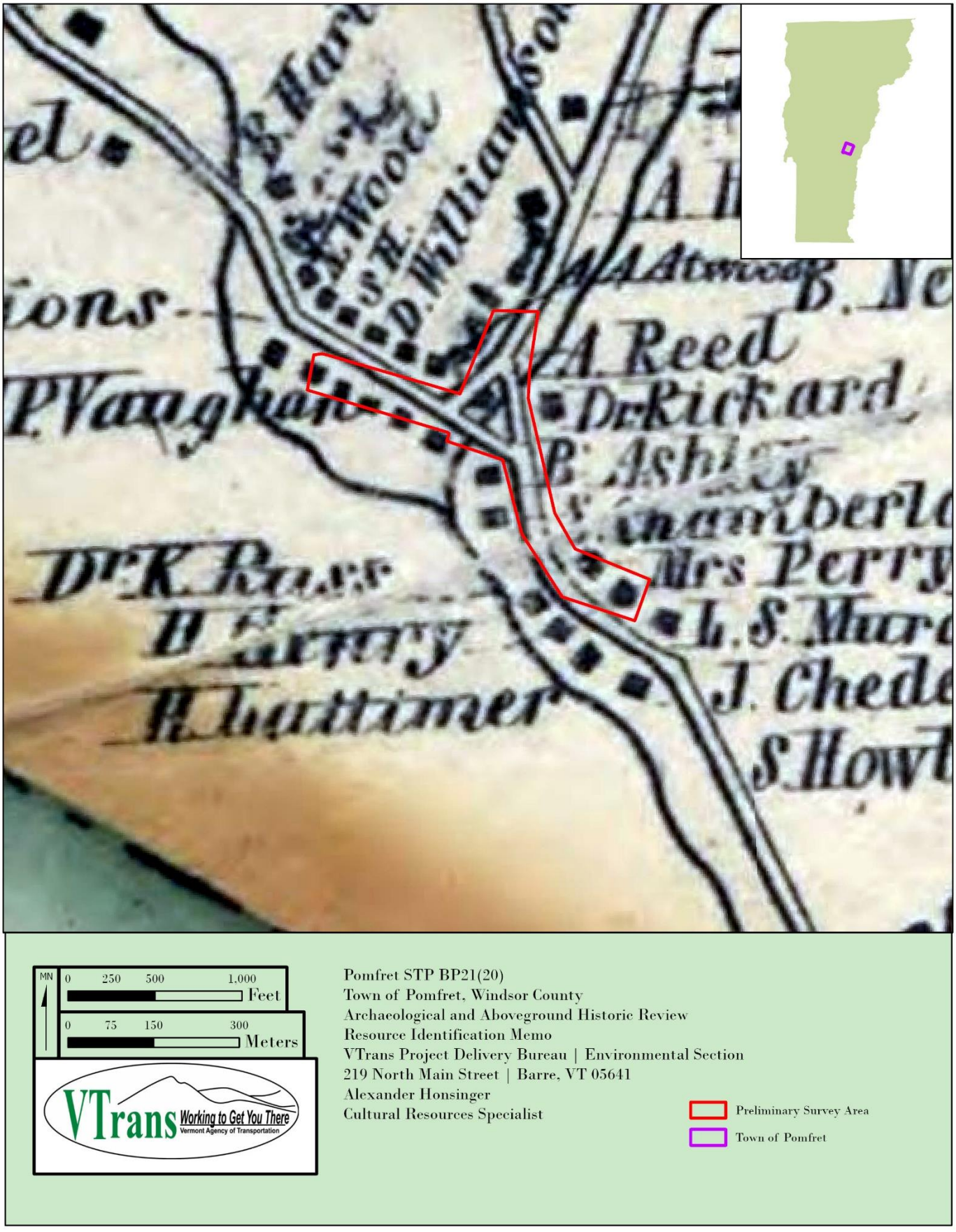

Figure 3. Map depicting approximate preliminary survey area on Doton (1856) Atlas of Windsor County.

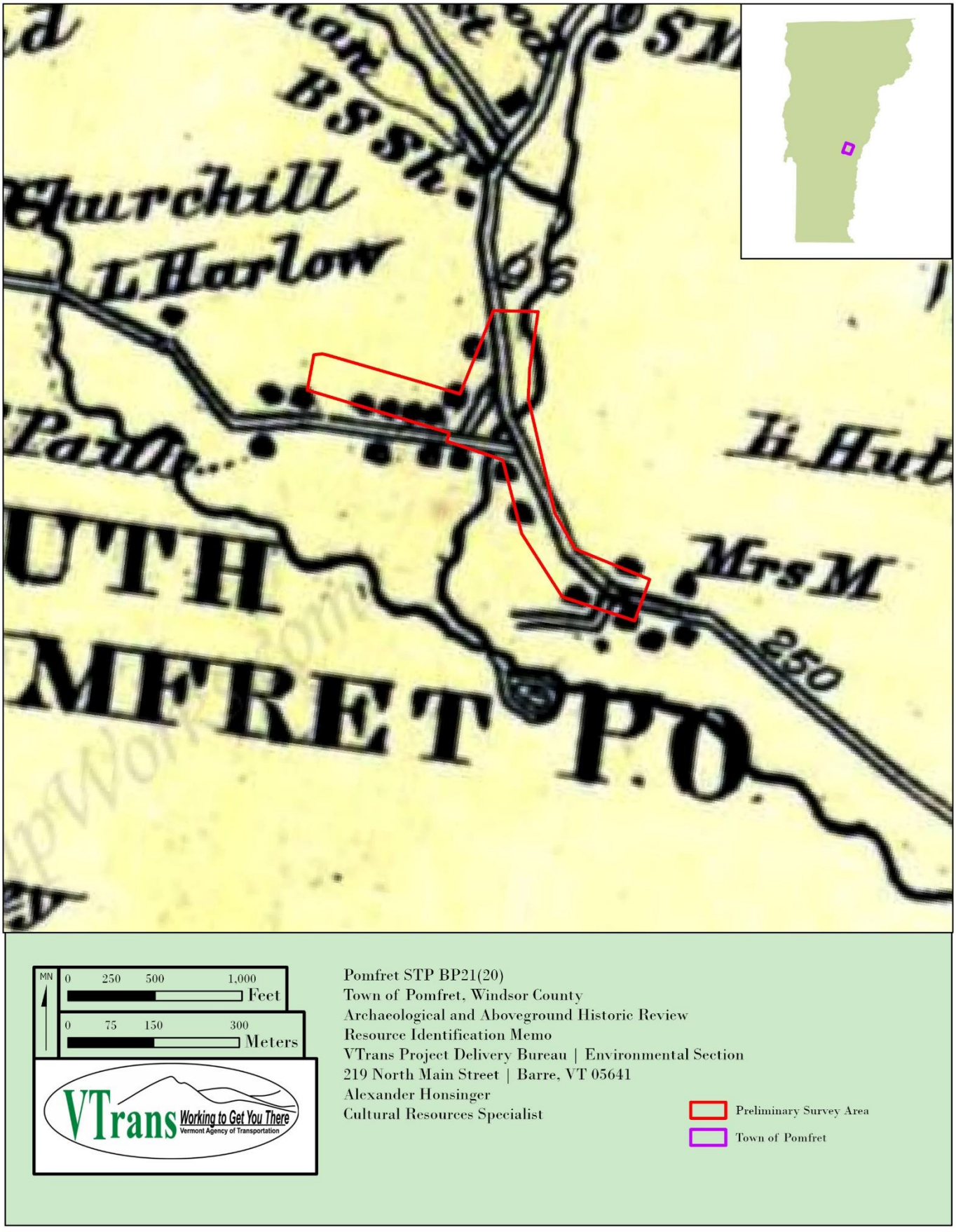

Figure 4. Map depicting approximate preliminary survey area on the Beers Atlas of Windsor County (1869).

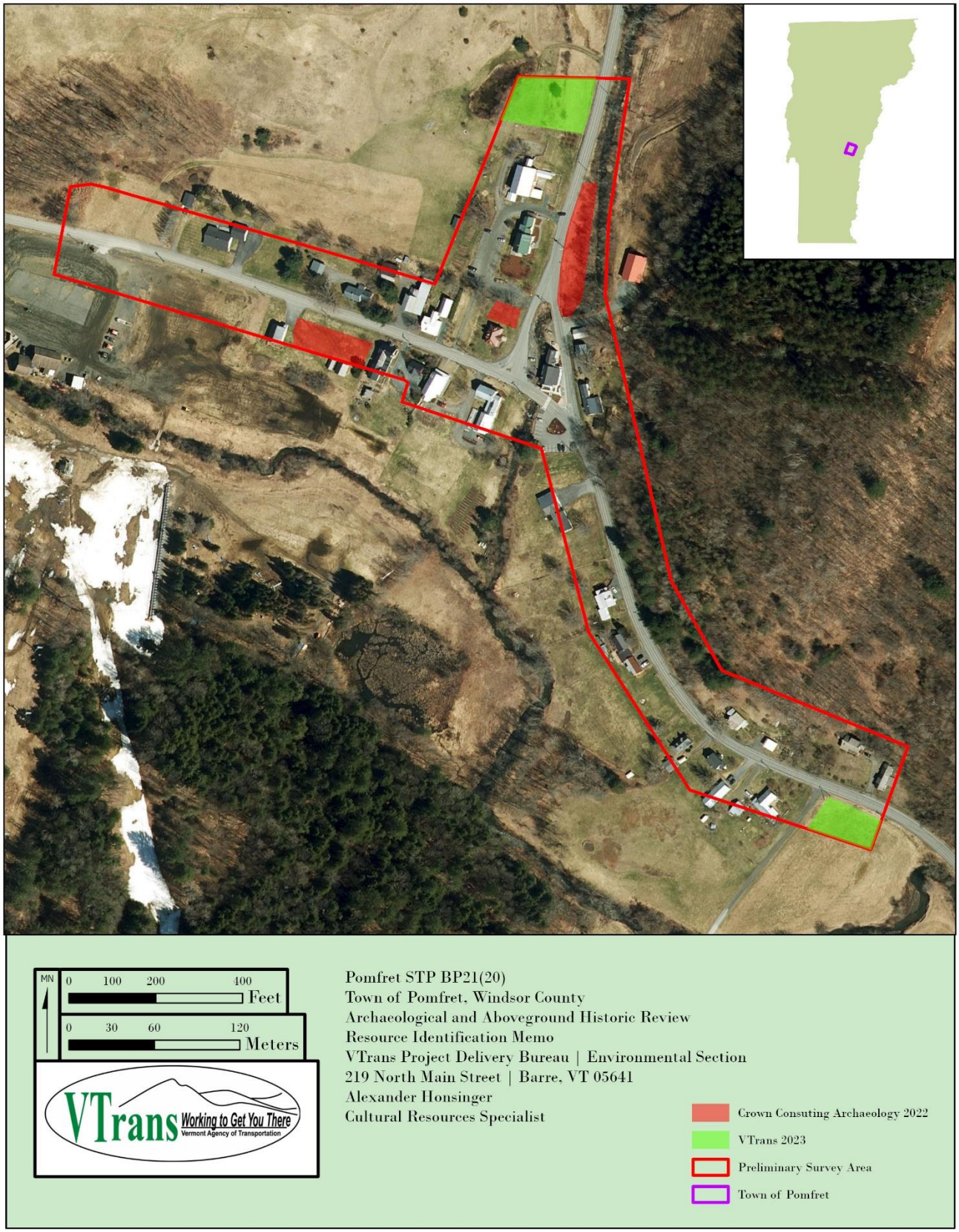

Figure 5. Map depicting archaeological sensitivity within the preliminary survey area adapted from Knight (2022:29) labeled in red and areas identified during VTrans' 2023 site visit labeled in green.



Figure 6. Historic photograph of the NRHP Listed Abbot Memorial Library, 15 Library Street (Unknown Artist 1907).

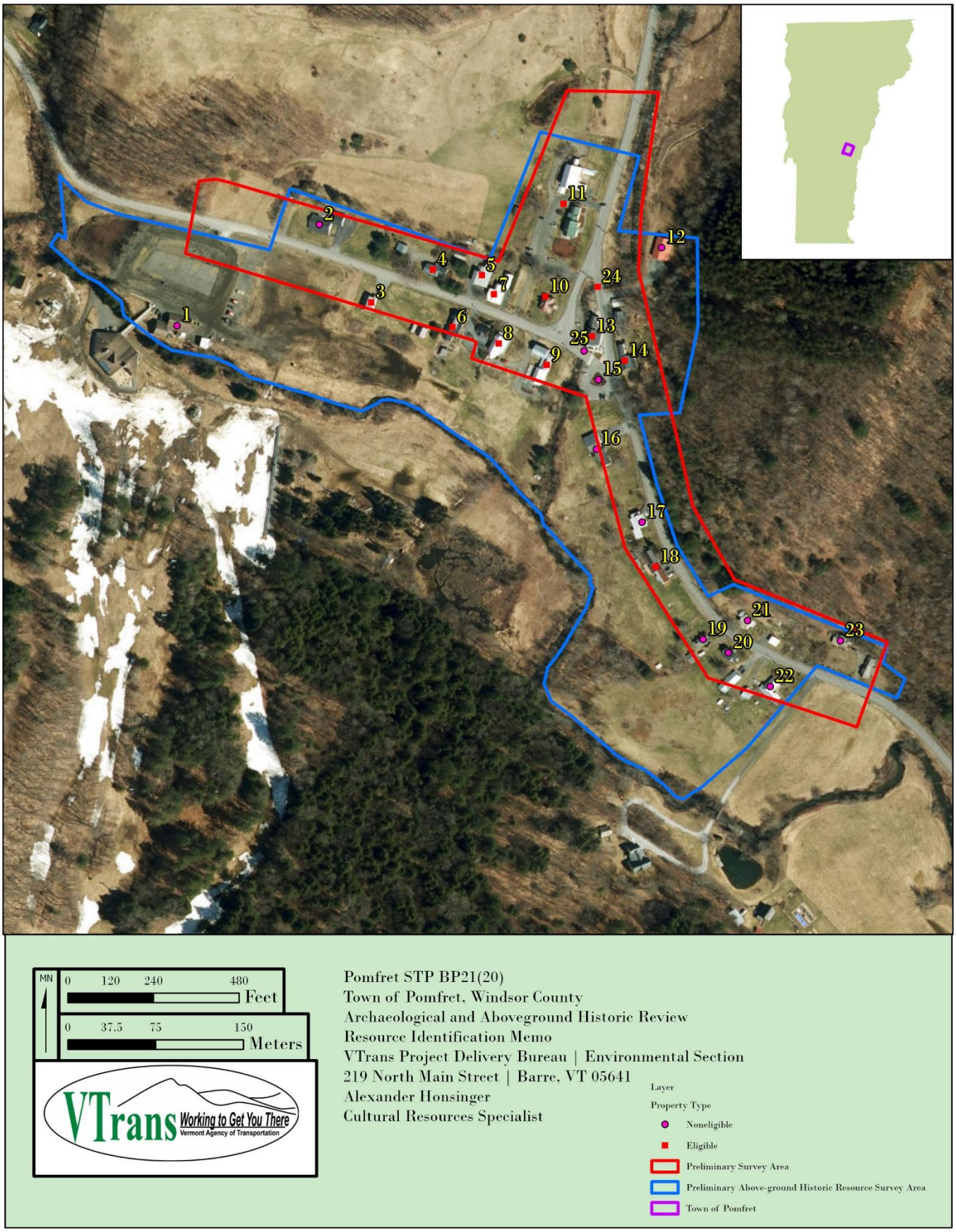

Figure 7. Map depicting developed properties within or adjacent to the preliminary survey area. Adapted from VHB (2022).

#	Construction Date, Address
1	c. 1978 - 247 Stage Road
2	c. 1958 - 172 Stage Road
3	c. 1915 - 139 Stage Road
4	c. 1820 - 104 Stage Road
5	c. 1820/1880 - 93 Stage Road
6	c. 1840 - 84 Stage Road
7	c. 1840/1890 - 72 Stage Road
8	1904, 1908 - 65 Stage Road (The Grange Theatre)
9	c. 1860 - 43 Stage Road
10	1905 - 15 Library Street (Abbot Memorial Library)
11	c.1860 – 2095/2097 Pomfret Road
12	c. 2000 - 2026 Pomfret Road
13	c. 1890 - 2035 Pomfret Road
14	c. 1845 - 2020 Pomfret Road
15	c. 1995 - 1995 Pomfret Road
16	c. 1980 - 1975 Pomfret Road
17	c. 1850 - 1933 Pomfret Road
18	c. 1835 - 1917 Pomfret Road
19	c. 1950 - 1869 Pomfret Road
20	c. 1930 - 1857 Pomfret Road
21	c. 1845 - 1854 Pomfret Road
22	c. 1920 - 1827 Pomfret Road
23	c. 1930 - 1806 Pomfret Road
24	1926 - Pomfret Road Bridge
25	c. 1939 - Stage Road Bridge

Table 1. Mapped properties displayed in Figure 4. Adapted from VHB (2022). Pink = NRHP Ineligible due to age or alterations, Red = NRHP Eligible, and Green = NRHP Listed.

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