



**VTTrans Fall 2023 Transportation Alternatives (TAP)  
and  
Municipal Highway and Stormwater Mitigation Program Grant (MHSMP)  
Combined Application**

Thoroughly read the TAP and MHSMP application guidebooks before you begin your application. It includes important program information and step-by-step instructions. Pay particular attention to the application process requirements. **Applications are due by e-mail by December 8, 2023.** Please e-mail the completed application to: [Ross.gouin@vermont.gov](mailto:Ross.gouin@vermont.gov) and [Scott.robertson@vermont.gov](mailto:Scott.robertson@vermont.gov).

West and East Basin  
(Project Name/Title)

802 524 7589 ext:109  
(Phone)

July Medina-Triana  
(Municipality contact person responsible  
for the management of this project)

j.medina-triana@stalbanstown.com  
(e-mail address)

Saint Albans Town  
(Town)

\$ 60000  
Amount of **Federal Funds requested** (no more  
than 80% of the project cost estimate).

05478  
(Zip Code)

\$15,000  
Amount of Local Match. Example:  
Federal Award = \$600,000 (80% of total)  
Local Match = \$150,000 (20% of total)  
Total Project Cost = \$750,000 (100% of the total)

398 Georgia Shore Road  
(Mailing Address)

County: Franklin

Town/Village/City: Saint Albans Town

Specific location, street, or road: St Albans State Hwy-SASH and route 104

Regional Planning Commission: Northwest Regional Planning Commission

If a linear project, what is the length in feet? [Click here to enter text.](#)

Is the project on or intersecting to a State maintained highway? Yes ☒ No ☐

- Note: If yes, be sure to include documentation that you have notified the VTTrans District Transportation Administrator of the intent to apply for TA funding and have provided them with a brief (one paragraph) description of the proposed project.*

Project type being applied for: ☐ Scoping ☒ **Design/Construction**

The municipality understands that a typical construction project utilizing TAP or MHSMP Program funds will take roughly three years (min.) in the Design and ROW phases prior to going to construction (as pointed out in the TAP and MHSMP Application Guides)? Yes ☒ No ☐

Does this project have a previously completed scoping or feasibility study? Yes ☒ No ☐

**Note:**

Attach a map(s) of the project area and clearly show the limits of the project as well as surrounding benefits from the proposed improvement. If the project is within or adjacent to a designated downtown, village or growth center, clearly indicate the relationship of the proposed project to the boundary of the designated area. Color photos of the area are also recommended.

**Fiscal Information:**

Accounting System Automated ☐ Manual ☐ Combination ☒

SAM Unique Identifier # JNWNJMVKDZZ9

Fiscal Year End Month JUNE

**Property Ownership:**

If the proposed project is on private property that will need to be acquired by the Municipality through purchase, easement, or eminent domain (includes temporary construction rights) in accordance with the "Uniform Act", then the municipality is committed to exercising its right of **eminent domain** to acquire the rights to construct the project if necessary. Yes ☒ No ☐

**Funding:**

Does this project already have existing funding? If so, please describe. Yes ☐ No ☒

[Click here to enter text.](#)

Please note that existing projects will not be considered for additional funding without a current NEPA clearance and ROW clearance. Please provide date of clearances below:

[Click here to enter text.](#)

Will you accept an award less than you applied for? Yes ☒ No ☐

- If yes, please indicate whether local funds will be used to make up the shortfall, or if the project scope will be reduced. If the project scope is to be reduced, describe what part of the project (please be specific) you would accept partial funding for.

[Click here to enter text.](#)

**A support letter from the governing body of the applicant municipality or organization** and an acknowledgement and source of the local match and commitment to future maintenance responsibility for construction projects is required (must be dated within 1 year of the application). Is a letter of support attached?

Yes ☒ No ☐

**Regional Planning Commission Letter of Support:**

In order to apply, the project must have a letter of support from the regional planning commission. Is a letter of support attached?

Yes ☒ No ☐

**PLEASE NOTE:** If this application is for salt or sand shed funding, the applicant must read and understand the **Municipal Assistance Section Salt Shed Application Guide**. All of the following scoring questions below must thoroughly convey an understanding of the salt and sand guidance provided.

**Application Scoring Criteria:**

- 1. Please give a brief description of the project (be sure to indicate the primary facility type being applied for and be concise). (10 points max.)**

Saint Albans Town and VTrans would like to begin implementing two projects in the Rugg Brook Flow Restoration Plan. These two projects would be for **design** only at this time;

The East Basin is in a privately owned open space, located between Rugg Brook, the northwest corner of Fairfax Road, and the SASH, which is a candidate site for implementation of a new stormwater detention basin (**RuggBrook FRP, pag 29**).

The Access Road (SASH) West Basin would be located along the northern (westbound) side of a section of the SASH. The BMP was designed as a median sand filter which would collect drainage from the roadway and the upslope field, before draining to a culvert under the SASH. The BMP could be designed to provide CPv storage as well as water quality treatment (**RuggBrook FRP, pag 28**).

- 2. What is the feasibility of this project? Feasibility (or Scoping) study applications will not be scored on this criterion. Also, please describe the extent of project development to date. (10 points max.)**

For the East Basin, a stone bed and micro pool is proposed to improve water quality benefits of the project. The proposed basin would collect and store drainage from a segment of an existing mapped tributary, which takes drainage from an expired permit site (#1-1428), a segment of I-89, and a large area of the upper watershed east of I-89 (**RuggBrook FRP, pag 29**).

The West Basin would be located within the V-Trans ROW, but has potential for cost-sharing with the Town, as the BMP would treat drainage from privately owned land, and cropland within the Town. Additionally, a portion of the highway which currently drains to the Tanglewood subdivision basin, under expired permit #1-0908, would drain to the proposed BMP (**RuggBrook FRP, pag 28**).

3. Does this project address a need identified in a local or regional planning document? If so, please describe.  
(5 points max.)

The two projects are found in the document **Rugg Brook Flow Restoration Plan-MS4**, and was prepared to meet the compliance requirement for the National Pollutant Discharge Elimination System General Permit 3-9014 (Vermont Department of Environmental Conservation 2012) for stormwater discharges to impaired waters for Rugg Brook impervious surface owners: the City of St. Albans and the Town of St. Albans (**RuggBrook FRP, pag 5**).

4. Does this project:

- A. Benefit a State Designated Center per the link below (i.e., downtowns, villages, or neighborhood growth centers recognized by the Vermont Department of Economic, Housing and Community Development?

**Not applicable for Environmental Mitigation Categories** (5 points max.)

<http://maps.vermont.gov/ACCD/PlanningAtlas/index.html?viewer=PlanningAtlas>

The two projects will benefit all the neighborhood area around the SASH. The goal of these two projects is to make a significant contribution to the flow target in the watershed. The two basins could be designed to provide CPv storage as well as water quality treatment. Additionally, a portion of the highway which currently drains to the Tanglewood subdivision basin, under expired permit #1-0908, would drain to the proposed East and West Basins(**RuggBrook FRP, pag 29**).

- B. Benefit mobility for disadvantaged populations to include elderly, disabled, minorities, and low-income residents. Please describe this impact (if applicable) in detail. Supporting documentation, including recent data must be included.

**Not applicable for Environmental Mitigation Categories** (10 points max.)

[Click here to enter text.](#)

5. Provide a project cost estimate below (project costs below include both federal dollars and local dollars). Projects will be scored based on whether the cost appears realistic for the size and scope of the project. For scoping studies, use PE and Local Project Management lines only.

**Note:** If you are applying for additional funds for an existing project, show the amount being requested for this grant in the PE, ROW, Construction, Construction Engineering, and Municipal Project Management rows below. Also, be clear regarding total project cost and other funding amounts and sources in the additional funding comments box below.

**(10 points max.)**

Preliminary Engineering (PE)  
(Engineering, Surveying, Permitting)

\$ **75000**

Right-of-way / Acquisition (ROW)  
(appraisals, land acquisition and legal fees)

\$ [Click here to enter value](#)

Construction (construction costs with reasonable contingency)	\$ <a href="#">Click here to enter value</a>
Construction Engineering (cost to provide inspection during construction)	\$ <a href="#">Click here to enter value</a>
Municipal Project Management Costs (minimum of 10% of total PE, ROW and Construction Phases).	\$ <a href="#">Click here to enter value</a>

**Total Project Cost** \$75,000.00

**Addition Funding Comments: (ex. Total and additional funding for existing projects)**

This application is for design only. Once we have a revised design and cost estimate, a determination of how to fund the construction of the project can be completed.

6. Select the eligibility category below (A, B, C or D) that best fits your project and answer the corresponding questions for that category (choose only one category). **10 bonus points will be awarded to projects that are primarily Bicycle or Pedestrian facilities.**

☐ **A. Bicycle and Pedestrian Facilities (includes Safe Routes for Non-Drivers and Conversion of abandoned railroad corridors.**

- (i) Will the project contribute to a system of pedestrian and/or bicycle facilities?

**(10 points max.)**

[Click here to enter text.](#)

- (ii) Will the project provide access to likely generators of pedestrian and/or bicyclist activity? **(10 points max.)**

[Click here to enter text.](#)

- (iii) Will the project address a known, documented safety concern? **(10 points max.)**

[Click here to enter text.](#)

☐ **B. Community Improvement Activities:**

- i. Explain how the project improves the economic wellbeing of the community and/or provide a benefit to state tourism? **(10 points max.)**

[Click here to enter text.](#)

- ii. Describe the anticipated impact to the public; degree of visibility, public exposure and/or public use. **(10 points max.)**

[Click here to enter text.](#)

- iii. Answer only one of the following based on the type of project:

- a) Construction of turnouts, overlooks, and viewing areas as related to scenic or historic sites. *To what extent will the project provide a view of a highly unique and scenic area?*

- b) **(10 points max.)**

[Click here to enter text.](#)

- c) Preservation or rehabilitation of historic transportation facilities. *Describe the historic significance of the historic transportation facility and the importance of the facility to the state.* **(10 points max.)**

[Click here to enter text.](#)

- d) Archeological planning and research related to impacts from a transportation project. *Describe the associated transportation project and benefit of the proposed activities.* **(10 points max.)**

[Click here to enter text.](#)

- e) Vegetation management in transportation rights of way to improve roadway safety, prevent invasive species, and provide erosion control. *Describe the extent of the current problem and the impact on the site and surrounding area.* **(10 points max.)**

[Click here to enter text.](#)

☒ **C. Environmental Mitigation Activity Related to Stormwater and Highways  
(Including Salt and Sand Sheds)**

- i. Please describe how this application provides environmental mitigation relating to stormwater and highways. **(10 points max.)**

The East and West Basin Projects of the FRP are located in the upper reaches of the watershed, and must be completed prior to the necessary downstream projects, such as the Gricebrook, SATEC, and Tanglewood Projects. These two projects will benefit the watershed and residential areas, as the Town, City and VTrans implement stormwater best management practices (BMPs) throughout the watershed in an effort to return Rugg Brook to an unimpaired condition.

- ii. What information or data is provided to substantiate the current stormwater problem and associated environmental impacts? **(10 points max.)**

V-Trans constructed the St. Albans State Highway (SASH) in the sixties and incorporated ditches, catch basins, and culverts. Over time, residences, schools, and communities developed around the SASH, causing additional challenges for the area's stormwater drainage. Floods have occurred in Tanglewood, Grice Brook, and the middle school, as a result of water flowing from the I-89 into the SASH. Meetings have been held by the Town of Saint Albans, the City of Saint Albans, and V-Trans, to identify the major issues facing the area and begin developing solutions. One of the options was sketched out in the Rugg Brook FRP-MS4; the two basins are going to help with upcoming construction projects in this area by collecting runoff from I-89 and the SASH, prior to the stormwater discharging to other areas down gradient.

- iii. What substantiating data or information is provided to show that the proposed application is an effective and maintainable solution to the problem? **(10 points max.)**

[Click here to enter text.](#)

The proposed basins would collect and store drainage from a segment of an existing mapped tributary which takes drainage from an expired permit site (#1-1428), a segment of I-89, and a large area of the upper watershed east of I-89. Additionally, a portion of the highway which currently drains to the Tanglewood subdivision basin, under expired permit #1-0908, would drain to the proposed basins (East and West) **(RuggBrook FRP, pag 29)**.

☐ **D. Environmental Mitigation Activity Related to Wildlife**

- i. Please describe how this application will reduce vehicle-caused wildlife mortality or will restore and maintain connectivity among terrestrial or aquatic habitats. **(10 points max.)**

[Click here to enter text.](#)

- ii. What information or data is provided to substantiate the current problem and associated environmental impacts? **(10 points max.)**  
[Click here to enter text.](#)
  
- iii. What substantiating data or information is provided to show that the proposed application is an effective and manageable solution to the problem? **(10 points max.)**  
[Click here to enter text.](#)

SELECTBOARD

Bryan DesLauriers, Chair  
Jack Brigham, Vice Chair  
Jonathan Giroux  
Brendan Deso  
Jeff Sanders

Anna Bourdon, Town Clerk  
Sean Adkins, Town Manager



P.O. Box 37  
St. Albans Bay  
Vermont 05481

Phone  
802-524-7589

Fax  
802-524-5816

Website  
[www.stalbanstown.com](http://www.stalbanstown.com)

December 4<sup>th</sup>, 2023

Scott Robertson, P.E.  
VTrans Municipal Assistance Bureau  
219 North Main St.  
Barre, VT 05641

RE: VTrans Fall 2023 Transportation Alternatives (TAP) and Municipal Highway and Stormwater Mitigation Program Grant (MHSMP) – St. Albans State Highway (SASH) East Basin and West Basin

Mr. Robertson,

I am writing on behalf of the Town of St. Albans Selectboard. The Selectboard supports the application for the VTrans Fall 2023 Transportation Alternatives (TAP) and Municipal Highway and Stormwater Mitigation Program Grant (MHSMP). This grant will enable the Town of St. Albans to begin implementing the Flow Restoration Plan (FRP) at two locations near the SASH access in the Town of St. Albans.

The SASH East Basin is in a privately owned open space, located between Rugg Brook, the northwest corner of Fairfax Road, and the SASH, which is a candidate site for implementation of a new stormwater detention basin. The SASH West Basin would be located along the northern (westbound) side of a section of the SASH.

The Selectboard is committed to supporting 20% of the project cost with the other 80% coming from the VTrans Municipal Highways and Stormwater Mitigation Program. The Town of St. Albans is commitment to future maintenance responsibility for future construction projects.

Sincerely,

Sean Adkins, Town Manager  
Town of St. Albans



75 Fairfield Street • St. Albans, VT 05478 • (802) 524-5958 • Fax (802) 527-2948

November 28, 2023

Scott Robertson, P.E.  
Municipal Assistance Bureau – Local Projects Group  
Vermont Agency of Transportation  
One National Life Drive  
Montpelier, VT 05633-5001

Re: Letter of Support for St. Albans Town's Transportation Alternatives application (RCP Project)

Dear Mr. Robertson:

The Northwest Regional Planning Commission (NRPC) is pleased to support St. Albans Town's application to the Vermont Transportation Alternatives Program for a scoping study of two basins, RCP West and RCP East, located at the St Albans State Highway. This project perfectly encapsulates the objectives outlined in our regional plan concerning sustainable infrastructure development and environmental stewardship. This study is a critical step towards understanding and implementing effective stormwater management solutions. By focusing on innovative solutions for stormwater detention and quality treatment, this initiative not only promotes environmental sustainability but also enhances our transportation infrastructure's resilience.

Language in the regional plan includes the following:

"Support efforts to bring in additional public and private resources to expand and upgrade infrastructure."

"Ensure the transportation network enhances residents' overall quality of life, supports regional land-use goals, and expands economic opportunities."

"Promote economic diversity in tourism, transportation, recreation, and agriculture to protect against negative economic impacts of climate change."

"Support the development of a telecommunications infrastructure that enhances employment and business opportunities."

"Ensure that new transportation facilities are designed with consideration for the people using the facilities and incorporate context-sensitive design feature"

Thank you for considering our comments. Please feel free to call me if you have any questions or need additional information.

Sincerely,

Dean Pierce  
Senior Planner

## RE: SASH-East and West Basin projects

Shepard, Daniel E <Daniel.E.Shepard@vermont.gov>

Fri 12/8/2023 11:17 AM

To: Hanson, Tyler <Tyler.Hanson@vermont.gov>; Quilliam, Jordan <Jordan.Quilliam@vermont.gov>

Cc: David Allerton <d.allerton@stalbanstown.com>; July Medina-Triana <j.medina-triana@stalbanstown.com>; Callahan, Jennifer <Jennifer.Callahan@vermont.gov>

I support the request.

*Daniel Shepard*

Transportation General Manager

District 5 Colchester, VT

802-343-1699

[Daniel.e.Shepard@vermont.gov](mailto:Daniel.e.Shepard@vermont.gov)

<http://vtrans.vermont.gov>

Help raise money for Vermonters impacted by flood damage and show your Vermont pride with *Vermont Strong* and *Tough Too* license plates and socks. [Click here to purchase your Vermont Strong gear](#) or visit [DMV.Vermont.gov/VermontStrong23](https://dmv.vermont.gov/VermontStrong23).

Impacted Vermonters can find resources and referrals by visiting [Vermont.Gov/Flood](https://Vermont.Gov/Flood).

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**From:** Hanson, Tyler <Tyler.Hanson@vermont.gov>

**Sent:** Friday, December 8, 2023 10:57 AM

**To:** Quilliam, Jordan <Jordan.Quilliam@vermont.gov>; Shepard, Daniel E <Daniel.E.Shepard@vermont.gov>

**Cc:** David Allerton <d.allerton@stalbanstown.com>; j.medina-triana <j.medina-triana@stalbanstown.com>; Callahan, Jennifer <Jennifer.Callahan@vermont.gov>

**Subject:** RE: SASH-East and West Basin projects

Hey Dan,

The town of St. Albans is seeking funding for a project withing the VTrans ROW. The funding is for design only at this point. My group plans to coordinate on a project in this area anyway but this will allow for further assessment of the site for better suiting the needs of the surrounding area. I am happy to help answer any questions about the project. Do you support this work for further scoping and assessment of the area for stormwater considerations?

Thank you

**Tyler Hanson** | Stormwater Technician

Pollution Prevention & Compliance Section | Water Quality Unit

Maintenance Bureau | Technical Services

District Maintenance & Fleet Division

Vermont Agency of Transportation

1-802-461-6440 | [tyler.hanson@vermont.gov](mailto:tyler.hanson@vermont.gov)

<https://vtrans.vermont.gov/>



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**From:** Hanson, Tyler

**Sent:** Thursday, December 7, 2023 11:04 AM

**To:** Quilliam, Jordan <[Jordan.Quilliam@vermont.gov](mailto:Jordan.Quilliam@vermont.gov)>

**Cc:** David Allerton <[d.allerton@stalbanstown.com](mailto:d.allerton@stalbanstown.com)>; July Medina-Triana <[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)>; Callahan, Jennifer <[Jennifer.Callahan@vermont.gov](mailto:Jennifer.Callahan@vermont.gov)>  
**Subject:** RE: SASH-East and West Basin projects

Hey Jordan,

Below is an email chain between myself and the town of St. Albans. They are planning to submit for funding to do a design study for drainage improvements adjacent to the SASH and partially in the state ROW. This project will help us meet our flow restoration plan target and potentially our phosphorus control plan target.

Part of the funding application requires that they let the district DTA know about the application and get support. The application is due **tomorrow** so your approval would be appreciated. This funding would be for design only at this point. I am happy to help answer any questions about the project.

Thank you

**Tyler Hanson** | Stormwater Technician  
Pollution Prevention & Compliance Section | Water Quality Unit  
Maintenance Bureau | Technical Services  
District Maintenance & Fleet Division  
Vermont Agency of Transportation  
1-802-461-6440 | [tyler.hanson@vermont.gov](mailto:tyler.hanson@vermont.gov)  
<https://vtrans.vermont.gov/>



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**From:** July Medina-Triana <[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)>  
**Sent:** Thursday, December 7, 2023 10:56 AM  
**To:** Hanson, Tyler <[Tyler.Hanson@vermont.gov](mailto:Tyler.Hanson@vermont.gov)>; Callahan, Jennifer <[Jennifer.Callahan@vermont.gov](mailto:Jennifer.Callahan@vermont.gov)>  
**Cc:** David Allerton <[d.allerton@stalbanstown.com](mailto:d.allerton@stalbanstown.com)>  
**Subject:** Re: SASH-East and West Basin projects

Some people who received this message don't often get email from [j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com). [Learn why this is important](#)

**EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.**

Hi Tyler,

Before send the application, we need this from Vtrans, can you please help me with this.. the Deadline is tomorrow so I may this ASAP...I apologies for the inconvenience..

Required Notification to VTrans District Transportation Administrator – Projects located in or adjacent to a State maintained Right-of-way must submit a description of the project and/or plans to the District Transportation Administrator (DTA) in your region. The DTA oversees maintenance of the state highway system in their district. A copy of your correspondence to the DTA should be attached to your application. See appendix for a list and contact information for the DTA in your region.

thanks

July Medina T,

Stormwater Coordinator

Town of St. Albans Vt.

Office 802-524-7589 ext. 109

[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)



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**From:** July Medina-Triana <[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)>

**Sent:** Wednesday, December 6, 2023 11:40 AM

**To:** Hanson, Tyler <[Tyler.Hanson@vermont.gov](mailto:Tyler.Hanson@vermont.gov)>; Callahan, Jennifer <[Jennifer.Callahan@vermont.gov](mailto:Jennifer.Callahan@vermont.gov)>

**Cc:** David Allerton <[d.allerton@stalbanstown.com](mailto:d.allerton@stalbanstown.com)>

**Subject:** Re: SASH-East and West Basin projects

hi Tyler,

Thanks for the input. It is for design; I just specified that part on the application form now... There is something else that should aware or change?

thank you,

**July Medina T,**

Stormwater Coordinator

Town of St. Albans Vt.

Office 802-524-7589 ext. 109

[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)



**From:** Hanson, Tyler <[Tyler.Hanson@vermont.gov](mailto:Tyler.Hanson@vermont.gov)>  
**Sent:** Wednesday, December 6, 2023 10:16 AM  
**To:** July Medina-Triana <[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)>; Callahan, Jennifer <[Jennifer.Callahan@vermont.gov](mailto:Jennifer.Callahan@vermont.gov)>  
**Cc:** David Allerton <[d.allerton@stalbanstown.com](mailto:d.allerton@stalbanstown.com)>  
**Subject:** RE: SASH-East and West Basin projects

Hey July,

Thank you for putting this together. Just so understand. Is this for an assessment of the site or is it for construction of the site? The application makes it seem like it is for construction.

Thanks

**Tyler Hanson** | Stormwater Technician

Pollution Prevention & Compliance Section | Water Quality Unit

Maintenance Bureau | Technical Services

District Maintenance & Fleet Division

Vermont Agency of Transportation

1-802-461-6440 | [tyler.hanson@vermont.gov](mailto:tyler.hanson@vermont.gov)

<https://vtrans.vermont.gov/>



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**From:** July Medina-Triana <[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)>  
**Sent:** Monday, December 4, 2023 4:01 PM  
**To:** Callahan, Jennifer <[Jennifer.Callahan@vermont.gov](mailto:Jennifer.Callahan@vermont.gov)>; Hanson, Tyler <[Tyler.Hanson@vermont.gov](mailto:Tyler.Hanson@vermont.gov)>  
**Cc:** David Allerton <[d.allerton@stalbanstown.com](mailto:d.allerton@stalbanstown.com)>  
**Subject:** Re: SASH-East and West Basin projects

**EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.**

Hi Jen and Tyler,

This is a draft of the application we want to apply, can you please review and let me know if you have any questions, add something or suggest anything.. The Due is on December 8. Let me know as soon as possible..

have good day,

July

**July Medina T,**

Stormwater Coordinator

Town of St. Albans Vt.

Office 802-524-7589 ext. 109

[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)



---

**From:** Callahan, Jennifer <[Jennifer.Callahan@vermont.gov](mailto:Jennifer.Callahan@vermont.gov)>

**Sent:** Monday, December 4, 2023 11:00 AM

**To:** July Medina-Triana <[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)>; Hanson, Tyler <[Tyler.Hanson@vermont.gov](mailto:Tyler.Hanson@vermont.gov)>

**Cc:** David Allerton <[d.allerton@stalbanstown.com](mailto:d.allerton@stalbanstown.com)>

**Subject:** RE: SASH-East and West Basin projects

Hi July, I believe the project is planned for 2026/27. We'd be happy to coordinate with you on a scoping study. I've added Tyler Hanson to this email, he should be your primary contact for this project. Let us know if you need anything from us.

-Jenn

---

**From:** July Medina-Triana <[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)>  
**Sent:** Thursday, November 30, 2023 11:02 AM  
**To:** Callahan, Jennifer <[Jennifer.Callahan@vermont.gov](mailto:Jennifer.Callahan@vermont.gov)>  
**Cc:** David Allerton <[d.allerton@stalbanstown.com](mailto:d.allerton@stalbanstown.com)>  
**Subject:** SASH-East and West Basin projects

**EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.**

Hi Jenn,

We would like to know about V-Trans schedule related to the two projects we were talking about last meeting, with the problem with the SASH and all the areas in Tanglewood (East and West Basin). We want to apply for the Grant "Transportation Alternative Program" for the scoping study for those two sites. However, because this is on the V-Trans ROW and the Town, we want to know if we can coordinate with you, so those two projects can move forward next year.

best,

July Medina T,

Stormwater Coordinator

Town of St. Albans Vt.

Office 802-524-7589 ext. 109

[j.medina-triana@stalbanstown.com](mailto:j.medina-triana@stalbanstown.com)



# East and West Basin

Write a description for your map.

Legend

Access Road (SASH) West Basin

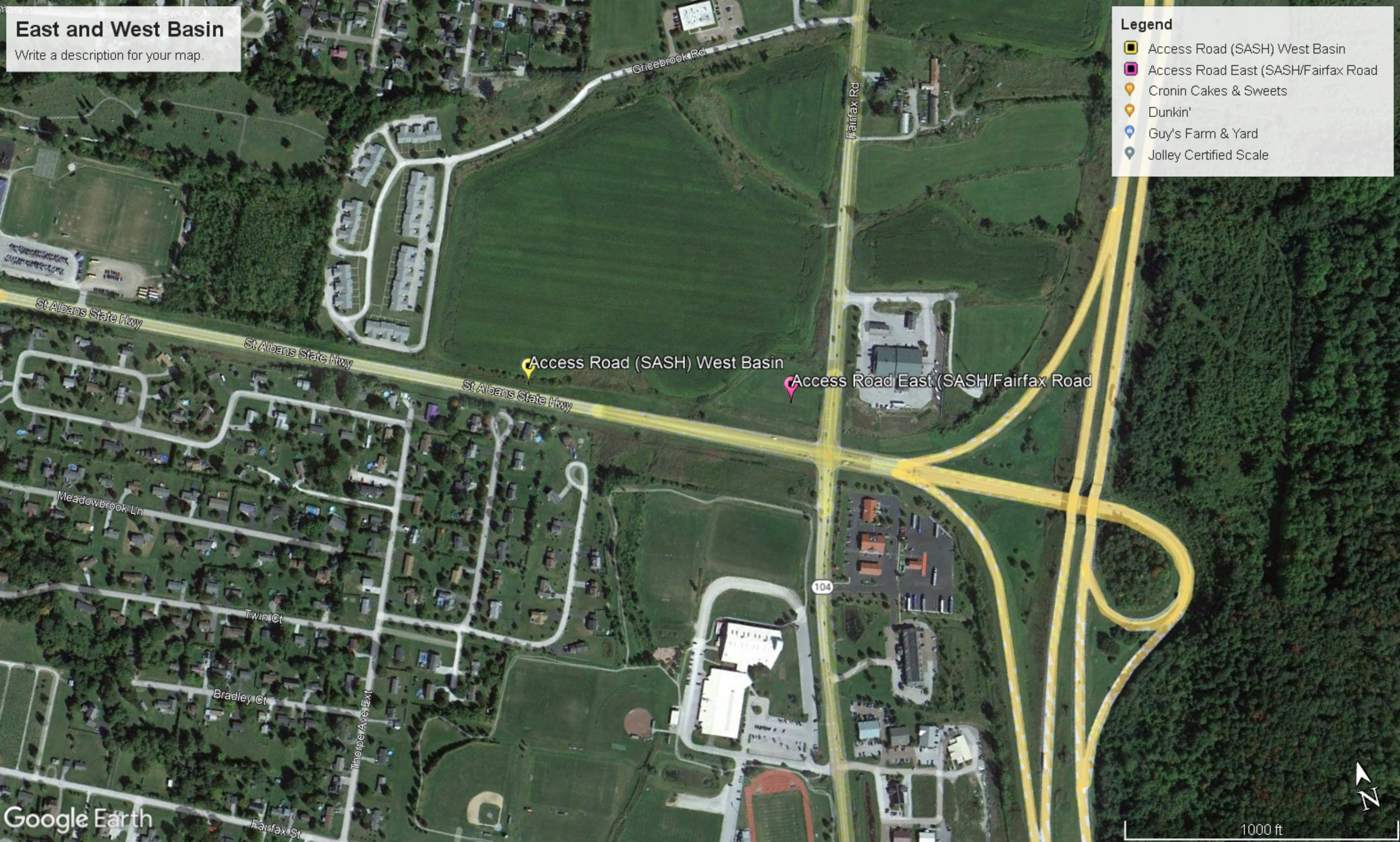
Access Road East (SASH/Fairfax Road)

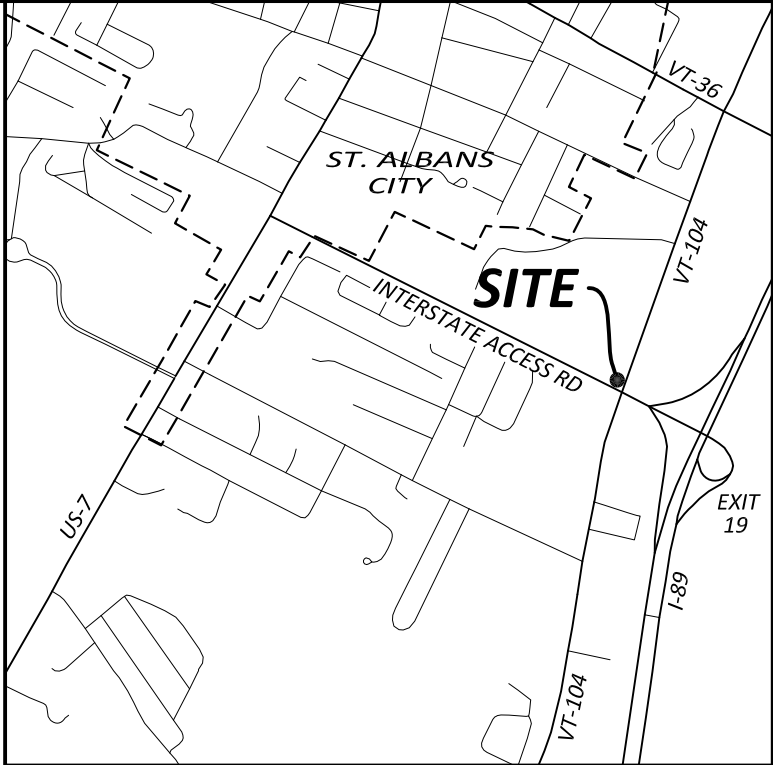
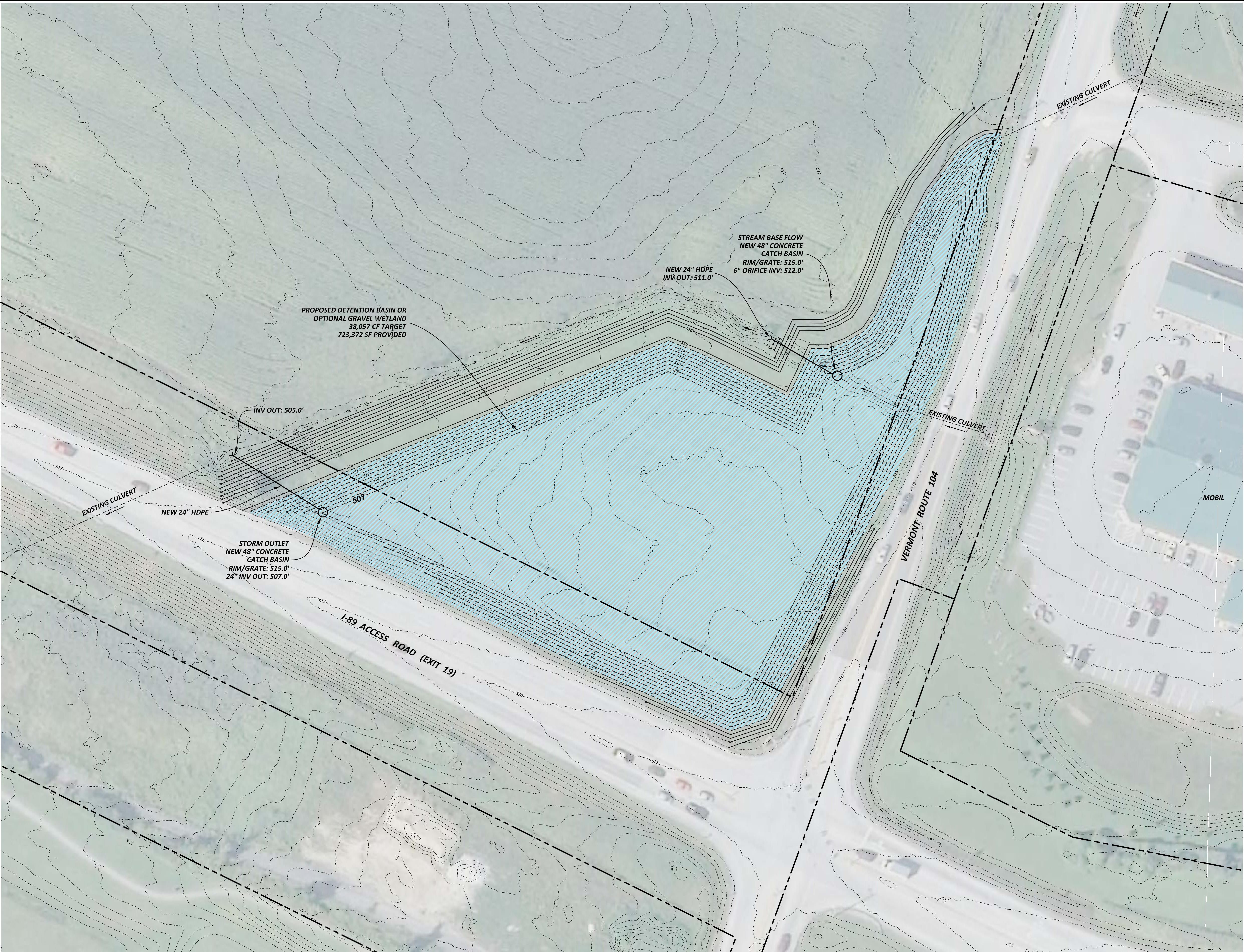
Cronin Cakes & Sweets

Dunkin'

Guy's Farm & Yard

Jolley Certified Scale





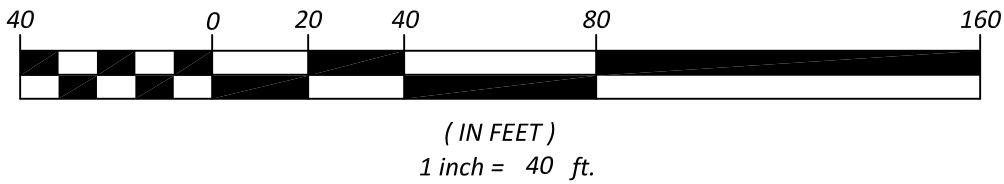
SITE LOCATION  
NTS

LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING STORM LINE
- PROPOSED STORM LINE
- DRAINAGE FLOW PATH

NOTES

- THIS IS NOT A BOUNDARY SURVEY. BOUNDARY INFORMATION IS FROM TOWN TAX MAPS.
- EXISTING TOPOGRAPHY WAS CREATED FROM ROCK RIVER LIDAR (2008).



CONCEPT

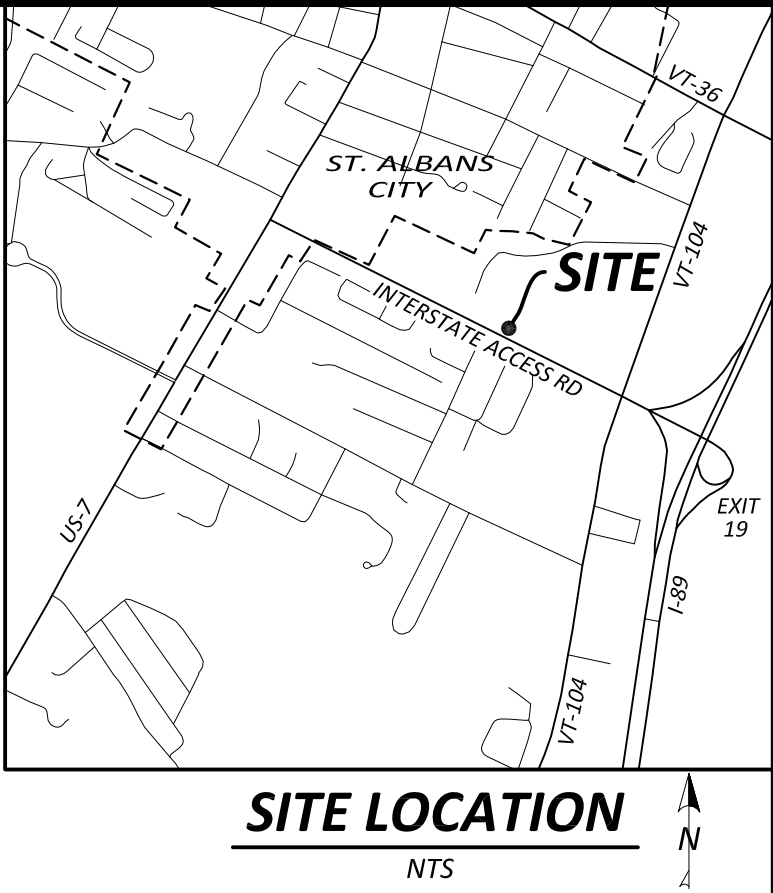
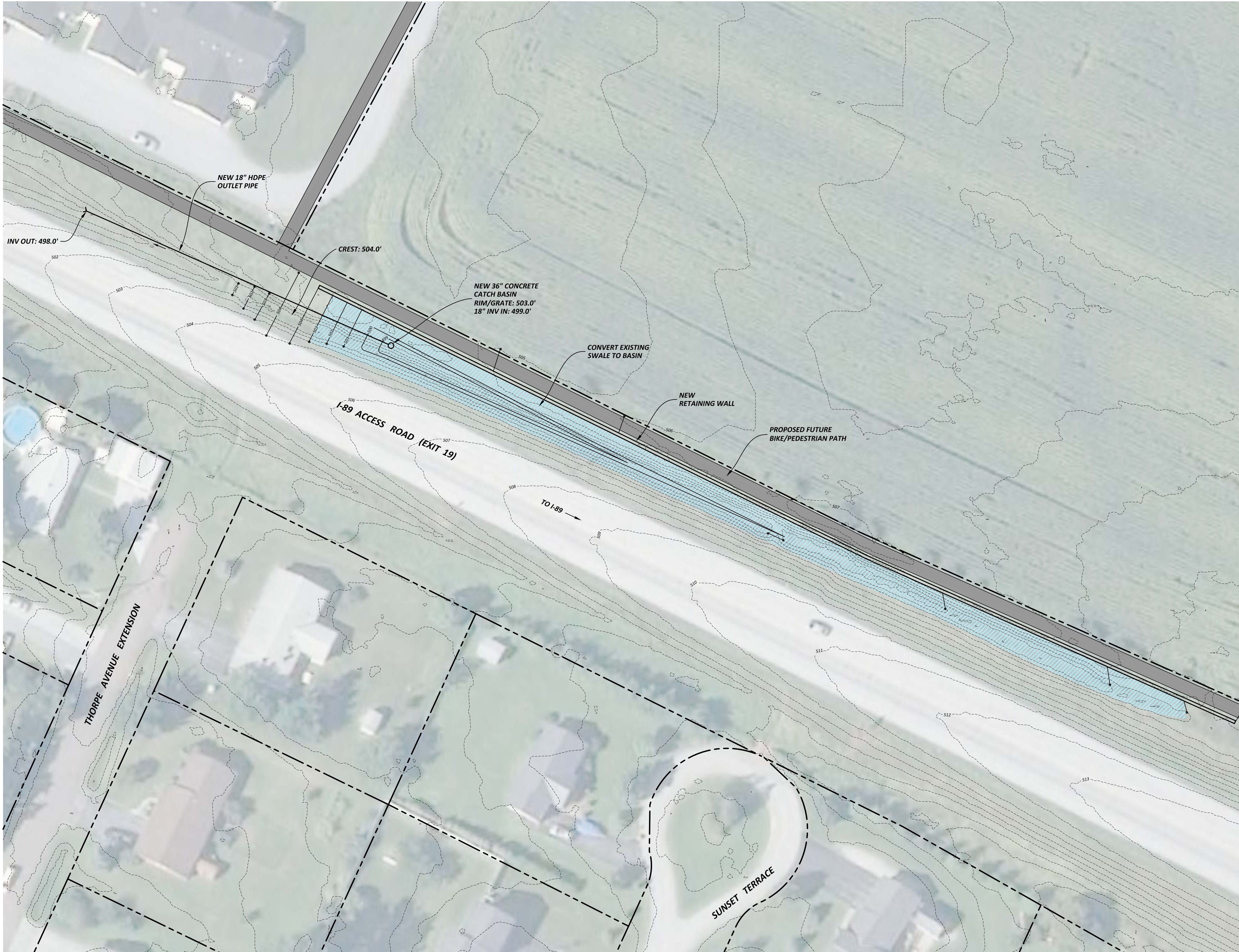
RUGG BROOK FLOW RESTORATION PLAN  
ST. ALBANS, VERMONT

INTERSTATE ACCESS EAST STORMWATER IMPROVEMENT PLAN



Stormwater Management | Water Quality | Erosion Control  
430 Shelburne Road P.O. Box 4413  
Burlington, VT 05406  
Mobile: 802.922.4871 | Main: 802.497.2367  
[www.watershedca.com](http://www.watershedca.com)

APPROVED BY:	AT	DRAWN BY:	SMS/ATS	SCALE:	NOTED
DATE:	4-7-15	CHECKED BY:	AT	SHEET:	1 OF 1

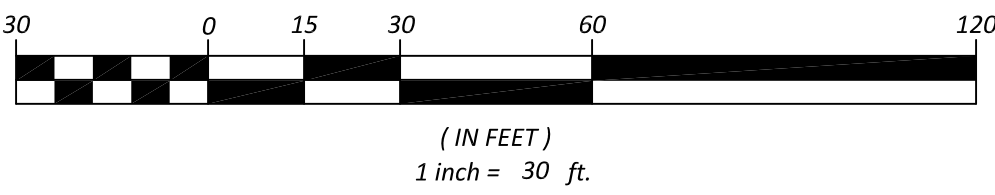


LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM LINE

NOTES

- THIS IS NOT A BOUNDARY SURVEY. BOUNDARY INFORMATION IS FROM TOWN TAX MAPS.
- EXISTING TOPOGRAPHY WAS CREATED FROM CHITTENDEN COUNTY LIDAR (2004).




CONCEPT

RUGG BROOK FLOW RESTORATION PLAN

ST. ALBANS, VERMONT

INTERSTATE ACCESS WEST STORMWATER IMPROVEMENT PLAN



Stormwater Management | Water Quality | Erosion Control  
430 Shelburne Road P.O. Box 4413  
Burlington, VT 05406  
Mobile: 802.922.4871 | Main: 802.497.2367  
[www.watershedca.com](http://www.watershedca.com)

APPROVED BY:	AT	DRAWN BY:	SMS/ATS	SCALE:	NOTED
DATE:	3-25-15	CHECKED BY:	AT	SHEET:	1 OF 1

# Land Owner: VTRANS/Town-Private

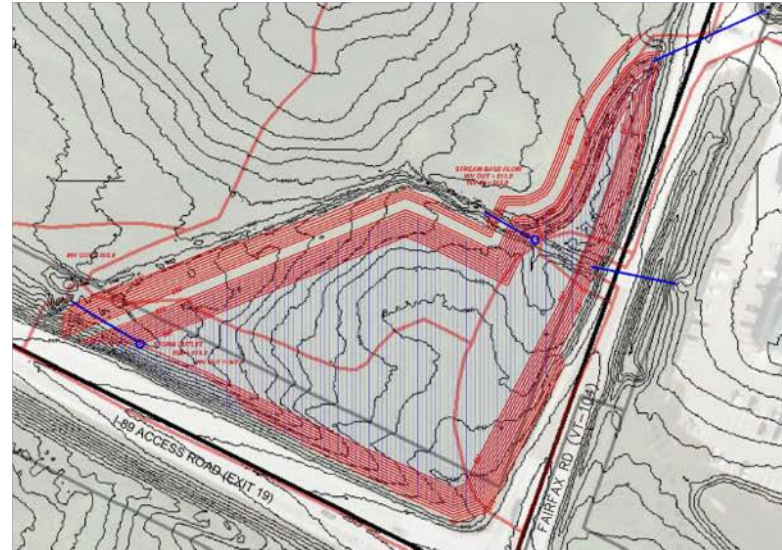
## Contributing MS4: VTRANS, Town



### Access Rd. East

Project Cost Estimate: \$ 394,594.44

	VTRANS	Town
Runoff Volume 1-Yr (acft)	0.94	1.86
Percent Flow	34%	66%
Impervious Acres	6.38	3.44
Percent Impervious	65%	35%
Percent Cost Allocation	<b>49%</b>	<b>51%</b>
Use	<b>50%</b>	<b>50%</b>
Potential Cost Share	<b>\$ 197,297.22</b>	<b>\$ 197,297.22</b>



# Access Rd. West

Land Owner: VTRANS

Contributing MS4: VTRANS, Town



Approx. Proposed  
Bike-Ped Path  
(digitized from Plan)



## Access Rd. West

Project Cost Estimate: \$ 79,634.10

	VTRANS	Town
Runoff Volume 1-Yr (acft)	0.09	0.77
Percent Flow	11%	89%
Impervious Acres	0.58	0
Percent Impervious	100%	*
Percent Cost Allocation	55%	45%
Use	50%	50%
Cost Share	\$ 39,817.05	\$ 39,817.05

\*While 100% of the impervious is owned by VTRANS, the ag field will likely contribute Phosphorus therefore the Town was allocated a cost share based on the flow

ST. ALBANS  
RUGG BROOK FRP

Access East Opinion of Probable Construction Cost (30% Design)  
As of April 15, 2015

Item #	Vtrans Item	RS Means Item	Description	Estimated Quantity	Unit	Material	Labor	Equipment	Unit Cost	Total Cost (ENR 9900) <sup>(1)</sup>	Total Cost (ENR 10000) <sup>(2)</sup>
I. CONSTRUCTION COST											
1	203.15		Excavation	22,640	CY		\$ 5.00	\$ 7.00	\$ 12.00	\$ 271,680.00	\$ 274,424.24
2	204.25		Structure Excavation	60	CY	-	\$ 5.00	\$ 15.00	\$ 20.00	\$ 1,200.00	\$ 1,212.12
3	204.30		Granular Backfill for Structures	40	CY	\$ 22.00	\$ 5.00	\$ 7.00	\$ 34.00	\$ 1,360.00	\$ 1,373.74
4	601.092		CPEP (24")	160	LF	\$ 22.00	\$ 16.00	\$ 14.00	\$ 52.00	\$ 8,320.00	\$ 8,404.04
5			3/4" Crushed Stone under Pipe	60	CY	\$ 18.00	\$ 5.00	\$ 7.00	\$ 30.00	\$ 1,800.00	\$ 1,818.18
6	604.20		4' Dia. Precast Reinforced Concrete Catch Basin with Cast Iron Cover	12	VF	\$ 400.00	\$ 40.00	\$ 75.00	\$ 515.00	\$ 6,180.00	\$ 6,242.42
7	620.12		Chain-Link Fence, 6 Feet	2,500	LF				\$ 18.37	\$ 45,925.00	\$ 46,388.89
8	635.11		Mobilization/Demobilization	1	LS	\$ 5,000.00			\$ 5,000.00	\$ 5,000.00	\$ 5,050.51
9	641.10		Traffic Control	1	LS	\$ 3,500.00			\$ 3,500.00	\$ 3,500.00	\$ 3,535.35
10	649.51		Geotextile for Silt Fence	140	SY	\$ 2.50	\$ 2.50		\$ 5.00	\$ 700.00	\$ 707.07
11	651.15		Seed	130	LB	\$ 5.00	\$ 5.00		\$ 10.00	\$ 1,300.00	\$ 1,313.13
12	651.28		Hydraulic Mulch	50	Gal	\$ 5.00	\$ 5.00	\$ 2.00	\$ 12.00	\$ 600.00	\$ 606.06
13	651.35		Topsoil	850	CY	\$ 25.00	\$ 10.00	\$ 5.00	\$ 40.00	\$ 34,000.00	\$ 34,343.43
14	652.10		Erosion Prevention Sediment Control Plan	1	LS	\$ 1,500.00			\$ 1,500.00	\$ 1,500.00	\$ 1,515.15
15	652.20		Monitoring Erosion Prevention Sediment Control Plan	10	HR		\$ 60.00		\$ 60.00	\$ 600.00	\$ 606.06
16	652.30		Maintenance of EPSCP	1	LS	\$ 500.00			\$ 500.00	\$ 500.00	\$ 505.05
17	653.35		Vehicle Tracking Pad	150	CY	\$ 30.00	\$ 5.00	\$ 7.00	\$ 42.00	\$ 6,300.00	\$ 6,363.64
18	653.55		Project Demarcation Fence	2,500	LF	\$ 1.00	\$ 1.00		\$ 2.00	\$ 5,000.00	\$ 5,050.51
19			Bonds (2.0%)	1	LS				\$ 7,909.30	\$ 7,909.30	\$ 7,989.19
										SUBTOTAL CONSTRUCTION:	\$ 407,448.79
										USE:	\$ 410,000.00
II. CONSTRUCTION CONTINGENCY											
1			Construction Contingency (15%)	1					\$ 61,500.00		\$ 61,500.00
										SUBTOTAL CONSTRUCTION CONTINGENCY:	\$ 61,500.00
III. FINAL DESIGN ENGINEERING <sup>(3)</sup>											
1			Final Design and Permitting (excluding geotechnical)	1					\$ 30,240.00		\$ 30,240.00
2			Geotechnical	0					\$ 4,100.00		\$ -
										SUBTOTAL FINAL DESIGN ENGINEERING:	\$ 30,240.00
IV. CONSTRUCTION PHASE ENGINEERING <sup>(3)</sup>											
1			Construction Phase Engineering	1					\$ 55,440.00		\$ 55,440.00
										SUBTOTAL CONSTRUCTION PHASE ENGINEERING:	\$ 55,440.00
V. OTHER COSTS											
1			Administrative	1					\$ 2,050.00		\$ 2,050.00
2			Easement Assistance	1					\$ 6,150.00		\$ 6,150.00
3			Land Acquisition	2	Acre				\$ 120,000.00		\$ 240,000.00
4			Legal	1					\$ 6,150.00		\$ 6,150.00
5			Bond Vote Assistance						\$ 2,050.000		\$ -
6			Short Term Interest						\$ 10,250.000		\$ -
										SUBTOTAL OTHER COSTS:	\$ 254,350.00
										TOTAL PROJECT COST:	\$ 811,530.00
										USE:	\$ 820,000.00

Notes:

1. ENR 9900 = November 2014
2. ENR 10,000 = June 2015
3. Engineering costs for Final Design and Construction are based on the VT DEC Facilities Engineering Fee Curve Allowance

ST. ALBANS  
RUGG BROOK FRP

Access West Opinion of Probable Construction Cost (30% Design)  
As of April 22, 2015

Item #	Vtrans Item	RS Means Item	Description	Estimated Quantity	Unit	Material	Labor	Equipment	Unit Cost	Total Cost (ENR 9900) <sup>(1)</sup>	Total Cost (ENR 10000) <sup>(2)</sup>
<b>I. CONSTRUCTION COST</b>											
1	203.15		Excavation	1,480	CY		\$ 5.00	\$ 7.00	\$ 12.00	\$ 17,760.00	\$ 17,939.39
2	204.25		Structure Excavation	30	CY	\$ -	\$ 5.00	\$ 15.00	\$ 20.00	\$ 600.00	\$ 606.06
3	204.30		Granular Backfill for Structures	20	CY	\$ 22.00	\$ 5.00	\$ 7.00	\$ 34.00	\$ 680.00	\$ 686.87
4	601.092		CPEP (18")	205	LF	\$ 20.00	\$ 16.00	\$ 14.00	\$ 50.00	\$ 10,250.00	\$ 10,353.54
5			3/4" Crushed Stone under Pipe	55	CY	\$ 18.00	\$ 5.00	\$ 7.00	\$ 30.00	\$ 1,650.00	\$ 1,666.67
6	604.20		4' Dia. Precast Reinforced Concrete Catch Basin with Cast Iron Cover	4	VF	\$ 400.00	\$ 40.00	\$ 75.00	\$ 515.00	\$ 2,060.00	\$ 2,080.81
7	635.11		Mobilization/Demobilization	1	LS	\$ 5,000.00			\$ 5,000.00	\$ 5,000.00	\$ 5,050.51
8	641.10		Traffic Control	1	LS	\$ 3,500.00			\$ 3,500.00	\$ 3,500.00	\$ 3,535.35
9	649.51		Geotextile for Silt Fence	160	SY	\$ 2.50	\$ 2.50		\$ 5.00	\$ 800.00	\$ 808.08
10	651.15		Seed	20	LB	\$ 5.00	\$ 5.00		\$ 10.00	\$ 200.00	\$ 202.02
11	651.28		Hydraulic Mulch	50	Gal	\$ 5.00	\$ 5.00	\$ 2.00	\$ 12.00	\$ 600.00	\$ 606.06
12	651.35		Topsoil	130	CY	\$ 25.00	\$ 10.00	\$ 5.00	\$ 40.00	\$ 5,200.00	\$ 5,252.53
13	652.10		Erosion Prevention Sediment Control Plan	1	LS	\$ 1,500.00			\$ 1,500.00	\$ 1,500.00	\$ 1,515.15
14	652.20		Monitoring Erosion Prevention Sediment Control Plan	10	HR		\$ 60.00		\$ 60.00	\$ 600.00	\$ 606.06
15	652.30		Maintenance of EPSCP	1	LS	\$ 500.00			\$ 500.00	\$ 500.00	\$ 505.05
16	653.35		Vehicle Tracking Pad	150	CY	\$ 30.00	\$ 5.00	\$ 7.00	\$ 42.00	\$ 6,300.00	\$ 6,363.64
17	653.55		Project Demarcation Fence	1,380	LF	\$ 1.00	\$ 1.00		\$ 2.00	\$ 2,760.00	\$ 2,787.88
18	900.675		5' High Concrete Block Retaining Wall	350	SY				\$ 300.00	\$ 105,000.00	\$ 106,060.61
19			Bonds (2.0%)	1	LS				\$ 1,199.20	\$ 1,199.20	\$ 1,211.31
										SUBTOTAL CONSTRUCTION:	\$ 167,837.58
										USE:	\$ 170,000.00
<b>II. CONSTRUCTION CONTINGENCY</b>											
1			Construction Contingency (15%)	1					\$ 25,500.00		\$ 25,500.00
										SUBTOTAL CONSTRUCTION CONTINGENCY:	\$ 25,500.00
<b>III. FINAL DESIGN ENGINEERING<sup>(3)</sup></b>											
1			Final Design and Permitting (excluding geotechnical)	1					\$ 13,680.00		\$ 13,680.00
2			Geotechnical	0					\$ 1,700.00		\$ -
										SUBTOTAL FINAL DESIGN ENGINEERING:	\$ 13,680.00
<b>IV. CONSTRUCTION PHASE ENGINEERING<sup>(3)</sup></b>											
1			Construction Phase Engineering	1					\$ 25,080.00		\$ 25,080.00
										SUBTOTAL CONSTRUCTION PHASE ENGINEERING:	\$ 25,080.00
<b>V. OTHER COSTS</b>											
1			Administrative	1					\$ 850.00		\$ 850.00
2			Easement Assistance	1					\$ 2,550.00		\$ 2,550.00
3			Land Acquisition	0	Acce				\$ 120,000.00		\$ -
4			Legal	1					\$ 2,550.00		\$ 2,550.00
5			Bond Vote Assistance						\$ 850.000		\$ -
6			Short Term Interest						\$ 4,250.000		\$ -
										SUBTOTAL OTHER COSTS:	\$ 5,950.00
										<b>TOTAL PROJECT COST:</b>	<b>\$ 240,210.00</b>
										<b>USE:</b>	<b>\$ 250,000.00</b>

Notes:

1. ENR 9900 = November 2014

2. ENR 10,000 = June 2015

3. Engineering costs for Final Design and Construction are based on the VT DEC Facilities Engineering Fee Curve Allowance