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Letter of Transmittal

To: Chris Williams
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Transmittal #: 22
Date: 6/8/2015
Job: M117 VTRANS CASTLETON BRF 015-2(10)

Subject: Submittal

WE ARE SENDING YOU

- ☑ Attached
- ☐ Under separate cover via the following items:
- ☐ Shop drawings
- ☐ Prints
- ☑ Plans
- ☐ Samples
- ☐ Copy of letter
- ☐ Change order
- ☐ Specifications
- ☑ Submittal

Document Type	Copies	Date	No.	Description
Submittal	1		652.10-14 Rev 0	EPSC

THESE ARE TRANSMITTED as checked below:

- ☑ For approval
- ☐ Approved as submitted
- ☐ Resubmit ___ copies for approval
- ☑ For your use
- ☐ Approved as noted
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Remarks: Please see attached EPSC plan for your review and approval

Copy To: Jennifer Fitch (VTRANS), KEVIN TURE (W.M. SCHULTZ CONSTRUCTION)

From: MIKE GARN (W.M. SCHULTZ CONSTRUCTION **Signature:**

If enclosures are not as noted, kindly notify us at once.

SCHULTZ

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Submittal

Job: M117
VTRANS CASTLETON BRF 015-2(10)
Castleton BRF 015-2
Route 30
Castleton, VT

Spec Section No: 652.10
Submittal No: 14
Revision No: 0
Sent Date: 6/8/2015

Spec Section Title:

Submittal Title: EPSC

Contractor:
W.M. Schultz Construction, Inc

Contractor's Stamp

SCHULTZ CONSTRUCTION, INC.
CONTRACT NO. BRF 015-2 (10)
SUBMITTAL TITLE EPSC Plan
ITEM & SECT. NO. 652.10
LOCATION OF WORK VT RT 30
SUB NO. 14 DATE 6/8/15
REVIEWED BY MG

VTRANS
Chris Williams

Architect's Stamp

Engineer's Stamp

Erosion Prevention and Sediment Control (EPSC)

For

State of Vermont Agency of Transportation (VTrans)
Castleton BRF 015-2(10)
Castleton, Vermont

Contractor and EPSC Contact:

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EPSC Plan Preparation Date:

June 8, 2015
Revised: ???, 2015

Estimated Project Dates:

Project Start Date: June 22, 2015
Project Completion Date: September 25, 2015

DRAFT

Project No. 12563

Prepared By:

PATHWAYS CONSULTING, LLC
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APPENDICES

1.0 EROSION PREVENTION AND SEDIMENT CONTROL NARRATIVE

1.1 Project Description

See Sheet 68 of the Contract Plans for information related to the project description prepared for the Vermont Agency of Transportation (VTrans) for this project.

1.2 Site Inventory

See Sheet 68 of the Contract Plans for information related to the site inventory, such as drainage characteristics, vegetation, soils, and sensitive areas, prepared for VTrans for this project.

1.3 Risk Evaluation

See Sheet 68 of the Contract Plans for information related to the risk evaluation prepared by the VTrans for this project. The project will disturb more than one acre of area (1.7 acres) and coverage under Vermont Agency of Natural Resources (VANR) Construction General Permit No. 3-9020 has already been obtained under Notice of Intent No. 7170-9020.A as a low risk site. In the event that changes are made prior to or during construction that result in additional disturbance beyond the area already approved under the current permit coverage and/or change the risk evaluation, the contractor shall be responsible for additional permitting with the VANR. A copy of the NOI is included in the Contract Documents, and the original risk evaluation is available from VTrans.

It should also be noted that the EPSC Plans enclosed in Appendix B include three off-site areas that will require temporary impacts outside the original disturbance limits depicted on the Contract Plans, as follows:

- Temporary access road, staging area, and crane pad northwest of the bridge on the Joyce Rider property (7,400 SF).
- Temporary access to railroad southeast of bridge on Charles Brown property (3,600 SF).
- Temporary staging and disposal area northeast of the bridge on State of Vermont property (27,100 SF).

These additional areas amount to a total of approximately 38,100 SF of impacts outside the original disturbance limits. The Contractor may also utilize a separate existing sand pit owned by Charles Brown located off-site and not shown on the plans. The contractor has secured the necessary off-site approvals (described in the Section 1.5 - Off-Site Activities below) from the respective property owners, VTrans and VANR for usage of these areas.

1.4 Erosion Prevention and Sediment Control

See Sheets 69 to 82 of the Contract Plans for information related to general erosion prevention and sediment controls and typical details prepared for VTrans for this project. Please also refer to the VANR "Low Risk Site Handbook for Erosion Prevention and Sediment Control, August 2006," which is considered part of this EPSC Plan.

Section 1.5 provides a detailed construction sequence that identifies the type of work activity to be performed, the specific earth disturbances to be addressed, and specific erosion control measures (relating to the typical measures discussed on Sheets 68 to 82 of the Contract Plans) that will be implemented during each respective stage of work to prevent erosion, control sediment transport, and achieve timely stabilization of disturbed areas.

See also Appendix B for updated EPSC Plans that include detailed site-specific information provided by the Contractor to supplement the general EPSC Plan information provided in the Contract Plans, and document and address construction activities and related erosion and sediment controls to be implemented during construction.

The proposed locations of temporary staging, access roads and other specific information shown on the EPSC Plans were provided by the Contractor. The EPSC plans should be updated in the event that any changes are made to this approach.

1.5 Sequence and Staging

General Construction Phases: The overall project involves the removal and replacement of the existing bridge No. 93 that carries Vermont (VT) Route 30 over the Clarendon and Pittsford Railroad in Castleton, VT, as depicted on the Site Location Map provided in Appendix A. The project includes removal and replacement of the existing steel beam and concrete deck superstructure, concrete abutments, and concrete piers with related approach and rail work. The existing 29-foot wide bridge consists of three 36-foot spans for an overall length of 109 feet. The bridge will be replaced with a new 35-foot wide bridge with 70-foot single-span concrete superstructure supported by precast pre-stressed concrete next beams. The bridge work includes pile-supported integral abutments, precast wingwalls, and steel sheet piling in front of the abutments to allow lowering of the rail tracks. The project also includes precast bridge approach slabs, roadway approach work, widening of the roadway, new guardrail, lowering the road one foot, lowering the rail tracks to achieve vertical clearance, 385 feet of roadway work, 1,110 feet of rail work, associated traffic controls, temporary access and staging for the bridge work, earthwork, erosion and sediment controls, and site restoration.

The following is a general summary of the overall project phases anticipated for completion of this project:

- Phase 1 - During this phase, traffic will continue over the existing bridge and on VT Route 30 during the initial site setup that will include mobilization, installation of the various construction entrances, establishing staging areas, and/or other limited roadway work outside the travelway. Limited single-lane or partial lane closures will be utilized on each side of the road to accommodate the necessary work.
- Phase 2 - This phase will involve complete removal and replacement of the existing bridge superstructure and substructure, abutments, wingwalls, sheet piling, roadway and approach work. A limited duration road closure and off-site detour will be implemented to accommodate the necessary work.

- Phase 3 - This phase will involve completing the railroad work. A limited duration railroad closure will be implemented to accommodate the necessary work.
- Phase 4 - This phase will involve completion of any remaining roadway and approach work, final pavement, guardrail and shoulder treatments, embankment restoration, removal of all temporary access roads, staging areas, other temporary facilities, and final stabilization of all disturbed areas within the overall project area. At the completion of Phase 2 and 3, the new bridge and railroad corridor will be fully operational, allowing traffic to resume over the new bridge and railroad tracks. During this phase, limited single-lane road closures will be utilized on each side of the road to accommodate the necessary work.

Traffic Sequencing: Traffic control will be sequenced according to the various phases of work within the overall project area, as outlined above. During bridge removal and replacement work (Phase 2), the bridge and VT Route 30 will be temporarily closed for a limited time period, and traffic will be routed onto off-site detour(s) according to the approved traffic control plan. Once all necessary bridge work has been completed, VT Route 30 will be reopened for two-way traffic for the remainder of the project. There will also be a temporary railroad closure for a limited time period to allow completion of all railroad work (Phase 3). During initial site setup (Phase 1) and final site completion and restoration (Phase 4), partial lane closures and/or single-lane closures with alternating traffic patterns are anticipated to minimize disturbance of normal traffic flow through the work areas.

Dewatering Activities: Only limited dewatering may be necessary to remove groundwater during excavation associated with the replacement of abutments and pier footings during Phase 2 work. In the event that significant dewatering and treatment is necessary during the work, typical details have been included on the enclosed EPSC plans to address these activities. The EPSC plans include details for a dewatering sump, treatment basin, filter bag, and discharge outlet protection.

Temporary Staging and Access: Temporary access roads and construction staging/stockpile areas will be established in several locations within the overall project site, depending on the phase and location of the specific work activities. The following is a brief description of the temporary measures that will be implemented for each specific work area, as depicted on the enclosed EPSC Plans:

- Staging Area on the Joyce Rider Property (Off-Site) - A temporary staging area will be installed on the Joyce Rider property to the northwest side of the bridge. This area will be utilized for installing a crane pad that will be utilized during the bridge replacement (Phase 2) and general staging and storage of equipment, materials, etc. This area will also be available for any temporary stockpiling that may be needed during the project. This staging area will be installed during Phase 1 of the project and require a stabilized construction entrance from VT Route 30.

- Staging Area within the VT Route 30 Right-of-Way - The area on the north and south sides of the existing bridge will be utilized for temporary staging and access during the temporary road closure period within Phase 2, while the bridge replacement work is completed. Since this area is located within primarily paved surfaces, a short gravel tracking pad may be utilized in lieu of a full stabilized construction entrance on each side of the bridge work areas.
- Access Area on the Charles Brown Property (Off-Site) - A temporary access area will be utilized on the Charles Brown property to the southeast side of the bridge. This area will be utilized for establishing equipment and vehicle access to the railroad corridor during Phase 3 of the project. Although there is an existing gravel drive in this area, the drive will need to be regraded and widened for construction vehicles, and a stabilized construction entrance from VT Route 30 may also be necessary.
- VTrans Facility (Off-Site) - The nearby VTrans maintenance facility may also be utilized throughout the project by the contractor for general staging, storage, stockpiling of equipment and materials, and disposal of surplus fill materials. Since this is an existing state maintenance facility, it is also exempt from the typical off-site activities requirements for this project.

EPSC Plan Sequencing: Within each work phase, it is important to limit the area of disturbance to locations where construction activities are underway and stabilize them as quickly as possible. The installation of sediment and erosion controls will be sequenced according to the general sequencing of construction activities, provided by the contractor and outlined above, to minimize the duration and area of exposed soils within the limits of disturbance and to allow for efficient completion of work. Please refer to the construction schedule provided by the contractor for specific dates and details of each phase for all project work. Some variation in the sequence of construction activities and erosion control measures may eventually be necessary at each work area, depending on the specific site conditions and progress of work. In this case, the EPSC Plans and narrative will be updated by the Contractor as necessary to document these changes for the project site and specific activities.

While the contractor's intended sequence and schedule of work may be slightly different from the erosion control narrative provided on Sheet 68 of the Contract Plans, the general sequencing of the major construction activities within each work area provided in this narrative will be implemented. The following construction sequencing is intended to supplement the erosion control sequencing on Sheet 68 and provide some specific erosion and sediment control measures that will also be implemented during various construction activities for this project:

1. **Pre-Construction Meeting:** Conduct a pre-construction meeting, which should include the Contractor, the VTrans Resident Engineer, the construction environmental engineer, and any other parties deemed necessary.

2. **Clearing Limits:** Flag all clearing limits with survey tape where tree or vegetation removal will be necessary.

3. **Wetland Limits:** Flag all wetland areas, including top of stream bank, with survey tape within project limits.

4. **Limits of Construction:** Install project demarcation fencing to delineate the limits of construction, which the Contractor will access with vehicles or equipment, or disturb during completion of all required work. This task shall include clearly delineating jurisdictional wetland areas that are permitted for disturbance or to remain undisturbed. Project demarcation fencing will generally be installed along the top of slopes above areas of excavation or to cordon off areas and to prevent access during unsafe working conditions. Barrier fence will be installed in place of project demarcation fence for all limits of construction within 100 feet of surface waters.

5. **Traffic Controls:** Install all necessary traffic controls for each phase of work in accordance with the Contract Plans and the VTrans requirements. Temporary traffic controls are anticipated to include separate road, railroad, and lane closures, temporary traffic barricades, jersey barriers, signalization warning signage, and markings, for each of the work phase outlined above, as well as additional temporary traffic controls for short-term lane closures as necessary during activities such as mobilization and demobilization, installation of temporary facilities, stabilized construction entrances, material deliveries, or movement of equipment and vehicles. This access may vary during the progress of work depending on the side of the road that will be closed off, and the requirement to maintain thru-lanes for one-way or two-way traffic.

6. **Perimeter Controls:** Install silt fence perimeter controls at the limit of disturbance. This task will include, at a minimum, a line of silt fence down-gradient of all temporary or permanent disturbances within the project limits, as shown on the EPSC Plans for each project phase. Additional silt fence will also be installed along the top of the river banks, at the top of slopes above areas of excavation, at the toe of graded slopes, limits of work, or other areas as necessary to control erosion and prevent sediment from impacting adjacent undisturbed areas and surface waters. Silt fence may also be needed down-gradient of temporary travelways and access roads, since significant grading and surface disturbances are possible during access road and staging area setup and usage. Silt fence will be installed parallel with the existing contours and where appropriate to protect downstream undisturbed areas. Woven wire silt fence will be installed in place of standard silt fence for all areas within 100 feet of surface waters.

7. **Tree Clearing:** Clear all trees and significant vegetation, in accordance with the project clearing limits or as directed by the Resident Engineer, within previously flagged or fenced construction limits, and simultaneously install temporary stabilization measures, including temporary seed and mulch, wood chips, and/or crushed stone on disturbed areas. All disturbed slopes steeper than 3:1 will be protected with temporary erosion matting, where necessary.

8. **Stabilized Construction Entrances:** Grade and install stabilized construction entrances within each respective area and work phase, as shown on EPSC Plans, and/or as deemed necessary in the field. Since all the existing roadways within the project area are paved, stabilized construction entrances may only be required where the existing pavement and subbase materials have been removed, or during initial work to install temporary access roads. Stabilized construction entrances may only require short tracking pads where temporary access roads meet existing pavement as necessary to control tracking of sediment beyond the work areas, and to assist with dust control on each end of the work area. Full-length stabilized construction entrances may not be needed in most cases, and will be determined in the field. Some form of stabilized construction entrance or tracking pad is anticipated for each of the temporary access roads and staging areas, but not for temporary travelways that will be paved. Adequate traffic controls shall be in place in the vicinity prior to installing and using the stabilized construction entrances.

9. **Temporary Construction Access and Staging Areas:** The location of temporary construction access roads and staging areas are anticipated in several locations, as described above and as shown on the EPSC Plans. All necessary temporary stabilization, erosion controls, and surface runoff measures shall be installed simultaneously with grading activities to prevent erosion on disturbed areas, contain sediment, and convey stormwater through the disturbed areas, especially in any areas of concentrated drainage. This process may include, in addition to perimeter controls already installed, temporary culverts, drainage structures, diversion and stone-lined swales, stone check dams, temporary erosion matting on slopes, water bars, and temporary mulch. Where difficult or unsuitable soil conditions (wet, soft, etc.) are encountered within access roads or staging areas, temporary surface stabilization may require an application of crushed stone placed on geotextile fabric, as directed by the Resident Engineer. Stone fill or existing stone materials from areas to be excavated may be utilized for creating level staging pads adjacent to the work areas, if approved by the Resident Engineer. Once the temporary access roads or staging areas have been removed, all disturbed areas will be restored to previously existing grades and fully stabilized.

***Temporary Access Roads*:** Where temporary access roads have to be benched into the existing slopes, stormwater runoff from up-gradient areas may concentrate along the perimeter silt fence at the toe of slope, and a temporary diversion ditch may be necessary along this silt fence to convey drainage to a discharge point into the existing stream channel. Stone check dams and/or stone lining shall be installed along the silt fence as necessary to control flow velocity, contain sediment, and limit turbidity at the discharge point. Temporary erosion matting shall be installed on all cut and fill slopes steeper than 3:1 within 48 hours of slope grading and prior to any rain events. Water bars may be installed along the surface of the access road at 50-foot intervals as necessary to control runoff. All related erosion controls shall be in place prior to utilizing access roads.

Any portion of the access roads that are installed below the ordinary high water level of surface waters (e.g., Thatcher Brook and unnamed tributary) shall consist of clean stone fill with minimal fine materials. Geotextile filter fabric is also recommended below any stone fill that is placed in surface waters to minimize impacts to existing vegetation and bed materials.

***Staging and Stockpiling*:** Where additional staging areas are located outside immediate work areas, such as on level terrain within the right-of-way (ROW), within lane closures, or on off-site areas, additional surface water, or erosion controls are required as the specific field conditions dictate. Earth stockpiles shall be temporarily stabilized with seed and mulch if the duration of exposure is expected to be greater than 14 days. Silt fence shall be placed on the down-gradient side only if necessary to contain stockpiled materials and prevent sediment from being washed into the existing ditches, stream, or onto undisturbed areas. The Contractor may utilize temporary lane closures along roads adjacent to the work areas for equipment or material delivery, such as concrete trucks, if approved by the Resident Engineer.

***Off-Site Staging and Disposal Area*:** Activities that will take place at approved off-site areas shall adhere to all applicable erosion and sediment control requirements contained in this EPSC Plan, property owner requirements, and other applicable requirements contained in the VTrans approval of this area. This may include installation of stabilized construction entrances, site perimeter controls, perimeter controls around stockpile areas, and stabilization measures, where necessary, at the off-site locations, as determined in the field. The off-site areas shall also be monitored in conjunction with on-site areas for the entire duration of usage and until all disturbed areas have been fully stabilized.

10. Dewatering Measures: Setup dewatering measures prior to any excavation or disturbances that are anticipated to encounter groundwater, or collect surface water in accordance with the approved EPSC Plan. This task is not anticipated based on the limited nature of the work, but is possible during bridge abutment and pier construction. If high groundwater conditions are encountered within footing/foundation excavation, a temporary cofferdam, dewatering sump and pump systems and associated treatment measures shall be incorporated for each location, as needed, and in accordance with the typical details provided within this EPSC Plan.

***Containment Area Dewatering*:** The containment area within required excavations where groundwater is present will be dewatered as necessary by a separate dewatering sump and pump system with dewatering treatment measures located on the upland, as detailed in this EPSC Plan. The dewatering sump within the containment area is intended to maintain semi-dry working conditions during bridge foundation/footing construction, excavation and backfill, to limit the amount of sediment and turbid water conveyed from the containment to the dewatering treatment

area, and prevent the discharge of sediment and turbidity to downstream areas. It is critical that the Contractor maintains the sump and pump system constantly to ensure that the suction intake is flowing clearly, not clogged, and functioning as intended. The discharge hose extending to the dewatering treatment area should be adequately supported as necessary to prevent shifting or separation at the pipe joints, or any unexpected discharge outside the contained areas.

The dewatering treatment areas will consist of, at a minimum, a filter bag fitted to the end of the pump discharge hose, to remove sediment and turbidity prior to discharge to off-site areas. The approximate location of the dewatering area shall be reviewed with VTrans prior to implementation, and may need to be adjusted in the field to ensure that discharge will flow away from active work areas. Dewatering treatment measures shall be adequately sized to handle potential flow volumes expected from dewatering activities, and may require additional treatment measures if sediment and turbidity is not adequately removed. Additional erosion, sediment, and turbidity control measures may be necessary to control the flow velocity, remove excess sediment not contained by the filter bag, and limit turbidity from being discharged onto adjacent areas. Additional measures may include a stone check dam, stone and fabric check dam, stone lining installed along the down-gradient silt fence, erosion control matting or a dewatering treatment basin (hay bale or stone berm lined with fabric) as necessary to contain sediment and turbidity at the discharge point, and provide the necessary storage capacity to adequately treat and remove sediment and turbidity.

Dewatering measures shall remain in place and operational, until such time as the work below the water level is complete, disturbed areas are fully restored and stabilized, and all potential sources of sediment or contamination have been eliminated. Once this condition is achieved, the dewatering systems can be removed.

11. **Bridge Pier Removal and Replacement Work:** Complete bridge pier removal, excavation, and replacement work, as specified in the Contract Plans. Prior to any concrete work below groundwater level, dewatering measures shall be in place and operating to limit water within the respective work areas and contain sediment and/or concrete contamination.

    During any concrete work, the Contractor shall also ensure that no excess grout, concrete, or associated washwater is allowed to pass into downstream surface waters during these operations. A separate dewatering sump and treatment measures may be needed around isolated areas during concrete work to prevent mixing of waters contaminated with concrete with other dewatering flows, as deemed necessary by the Resident Engineer.

    If any additional dewatering from areas contaminated with concrete is deemed necessary during concrete work, dewatering flows shall be

pumped to a treatment basin, or a filter bag with additional treatment measures, since a filter bag alone is not typically adequate for removing the fine particles and turbidity associated with concrete contamination. A detail has been provided on the EPSC Plans in the event that this additional treatment measure is needed. The Contractor shall continuously monitor the filter bag and/or treatment basin throughout the duration of these activities to ensure that adequate filtration is achieved, and that no untreated water escapes from these areas.

12. **Remove Temporary Access Roads and/or Staging Areas:** Remove all temporary construction access roads, staging areas, cofferdams, and dewatering measures once work is completed in these areas.

13. **Remaining Roadway Work:** Complete all remaining roadway and embankment work, including granular backfill, subbase, roadway surface course, shoulder, guardrail, and other work. All disturbed areas within the work areas shall be contained with perimeter controls until all areas have been fully stabilized.

14. **Final Stabilization:** Install landscaping and final stabilization within 48 hours of final grading activities for all disturbed areas including topsoiling, permanent seeding, mulching, sodding (if deemed necessary), mulch netting, erosion matting, and stone fill.

15. **Site Cleanup:** Remove stabilized construction entrances and stabilize with permanent seed, mulch, and erosion matting as necessary. Remove all temporary erosion and sediment control measures, and perimeter controls once final stabilization has been achieved for all disturbed areas. Remove traffic controls and reestablish normal traffic patterns once work has been deemed complete, or as directly by the Resident Engineer.

16. **On-going Monitoring and Maintenance Activities:** The Contractor shall continuously inspect and maintain all erosion and sediment control measures. Additional inspections shall be required by the On-Site Plan Coordinator and/or EPSC Plan Monitor on a weekly basis and after every rain event in which runoff is discharged from the site. The following Best Management Practices (BMPs) measures are recommended throughout duration of construction:

    - The On-Site Plan Coordinator should utilize Accuweather website (www.accuweather.com) or other appropriate service to predict precipitation events that could impact stream flows and erosion controls. The Contractor shall be prepared to install all erosion and sediment controls prior to rain events.
    - The Contractor shall have all necessary erosion control equipment and materials, including mulch and mulching equipment, on-site for the duration of work in order to stabilize disturbed slopes, inlets, outlets, and any other areas of potential concern.
    - Maintain dust control in current work area at all times.

- Unpaved roadway areas intended for overnight travel shall be treated with water or another approved dust control product (e.g., Calcium Chloride) prior to the end of the work day.
- Continuously inspect and maintain all stormwater, erosion, and sediment control measures throughout construction, until disturbed areas have been stabilized.
- Remove trapped sediment from erosion and sediment control measures as appropriate for each type of BMP utilized, and as directed.
- Monitoring of the EPSC and erosion controls shall continue prior to, during, and after weather conditions that could cause erosion and or sedimentation issues. The Contractor shall also anticipate the need to return to the site to address any deficiencies, as directed, on a very short time frame.

17. **Site Completion:** Upon completion of each work phase, all disturbed areas must be stabilized.

Off-Site Activities: All work related to this project is anticipated to be within the bounds of the VTrans ROW, with the exception of several temporary off-site access and staging areas where there is inadequate room for the necessary construction activities. It is the responsibility of the Contractor to secure authorization for access on adjacent properties as necessary to allow work to be undertaken outside the ROW.

The project will generate a limited amount of vegetation from tree clearing activities and typical construction related debris. Any debris that requires removal from the project site will be disposed of by the Contractor in accordance with any applicable laws and regulations. All excavated soil materials (such as topsoil, soil, boulders, rock, etc.) will remain on-site and shall be utilized in final grading and stabilization of disturbed areas, to the extent possible. It is anticipated that the Contractor will need to import limited volumes of stone fill and other select materials to establish finished grades within the work areas.

The Contractor intends to utilize three off-site abutting areas, and one separate site, for construction access, staging, storage of equipment and materials, and disposal of excess materials, as identified on the four "Off-Site Activity Submittal" forms included in Appendix D. The three off-site abutting areas include the Joyce Rider property, an off-site area to the northwest of the project area, the Charles Brown property to the southeast of the site, and the VTrans maintenance facility to the northeast of the project area, as described in Section 1.5 above. The Contractor has also secured permission to utilize a separate sand pit, also owned by Charles Brown. Each of these sites have been reviewed and approved by VTrans, and the property owners have agreed to allow the Contractor to use the properties. The Contractor shall adhere to all applicable conditions of this approval, including installation, maintenance, and monitoring of general erosion and sediment controls at this location, as necessary, and in accordance with this EPSC Plan. Additional erosion and sediment control requirements have been incorporated into the construction sequence in Section 1.5 above.

EPSC Plan Updates: The EPSC Plan is a document that must be amended to reflect changes occurring at the site. Revisions to the EPSC Plan may include additions of new BMPs, replacement of failed BMPs, significant changes in the activities or their timing on the project, changes in personnel, changes in inspection and maintenance procedures, and updates to the site plans. All revisions to the EPSC Plan should be documented on the revision documentation form provided in Appendix E.

If construction activities or design modifications are made that could impact the measures shown on the enclosed EPSC Plans, this EPSC Plan and this narrative will be amended appropriately, and include a description of the new activities, and the planned erosion control measures to be implemented.

1.6 Contact Information/Responsible Parties

VTRANS PROJECT CONTACT	***PHONE/FAX/MOBILE***	***ADDRESS***
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CONTRACTOR and EPSC CONTACT		
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ON-SITE PLAN COORDINATOR and EMERGENCY 24-HOUR CONTACT		
Tom Jackson, Site Superintendent and On-Site Plan Coordinator W.M. Schultz Construction, Inc.	Phone: (518) 885-0060 Fax: (518) 885-0744 Mobile: (518) 867-5986	Post Office Box 2620 Ballston Spa, New York 12020
EPSC PLAN PREPARER and MONITOR (AS NEEDED)		
Scott A. Williams, P.E. (VT#8952) Pathways Consulting, LLC	Phone: (603) 448-2200 Fax: (603) 448-1221 Mobile: (203) 722-5690	240 Mechanic Street, Suite 100 Lebanon, New Hampshire 03766

EPSC Responsibilities:

The On-Site Plan Coordinator shall be responsible for the following duties:

- Compliance with the EPSC Plan and other applicable documents.
- Implementing the EPSC Plan, committing resources to implement BMPs.
- Training of all staff and subcontractors as necessary to make them aware of the BMPs, control measures, and good-housekeeping procedures that must be implemented on the project site.
- Installing structural stormwater controls.
- Supervising and implementing good housekeeping programs, such as site cleanup and disposal of trash and debris, hazardous material management and disposal, and vehicle and equipment maintenance.

- Daily monitoring of the site conditions, erosion and stormwater controls, and BMPs in accordance with the Contract documents, VTrans Standard Specifications, and approved EPSC Plan requirements.
- Conducting routine inspections of the site to ensure all BMPs are being implemented and maintained, and follow-up reporting using the Inspection form provided in Appendix C.
- Maintaining the BMPs.
- Documenting changes to the EPSC Plan using the form in Appendix E.
- Communicating changes in the EPSC Plan to people working on the site.
- Subcontractor compliance with the EPSC Plan.

The EPSC Plan Monitor shall be responsible for the following duties:

- Conducting periodic (as needed) monitoring of the site conditions, erosion and stormwater controls, BMPs in accordance with the approved EPSC Plan requirements, and follow-up reporting using the Inspection form provided in Appendix C.
- Recommendations relating to EPSC Plan and BMPs.

1.7 Schedule

The project is scheduled for start around June 22, 2015, with actual construction beginning shortly thereafter. Mobilization and site setup (Phase 1) will run between June 11 and July 6. The bridge and VT Route 30 closure period will be from July 6 to July 31 for removal and replacement of the bridge (Phase 2). The railroad closure period will be from August 3 to August 16 for completion of the railroad work (Phase 3). Final site work and restoration activities are scheduled for completion around August 31. Final completion is scheduled for September 25, 2015.

The specific schedule for construction activities at the site location are not known at this time, but the Contractor has provided a preliminary schedule of all project related activities. Once a more specific schedule is determined, dates should be added to this EPSC Plan, as appropriate.

1.8 Inspection Form

The site shall be monitored in accordance with the conditions of the approved EPSC Plan. The On-Site Plan Coordinator and/or EPSC Plan Monitor shall visit the site on a weekly basis and after every rain event to observe the conditions of surface water and erosion controls. The Inspection Form has been provided in Appendix C for use during all on-site inspections.

A maintenance inspection report will be made after each inspection by the On-Site Plan Coordinator and/or EPSC Plan Monitor. A copy of the completed form shall be filed with the VTrans, attached to this document for reference and tracking, and maintained on-site during the entire construction project. Following construction, the completed forms will be retained at the construction manager's office for a minimum of three (3) years.

2.0 EROSION PREVENTION AND SEDIMENT CONTROL PLANS

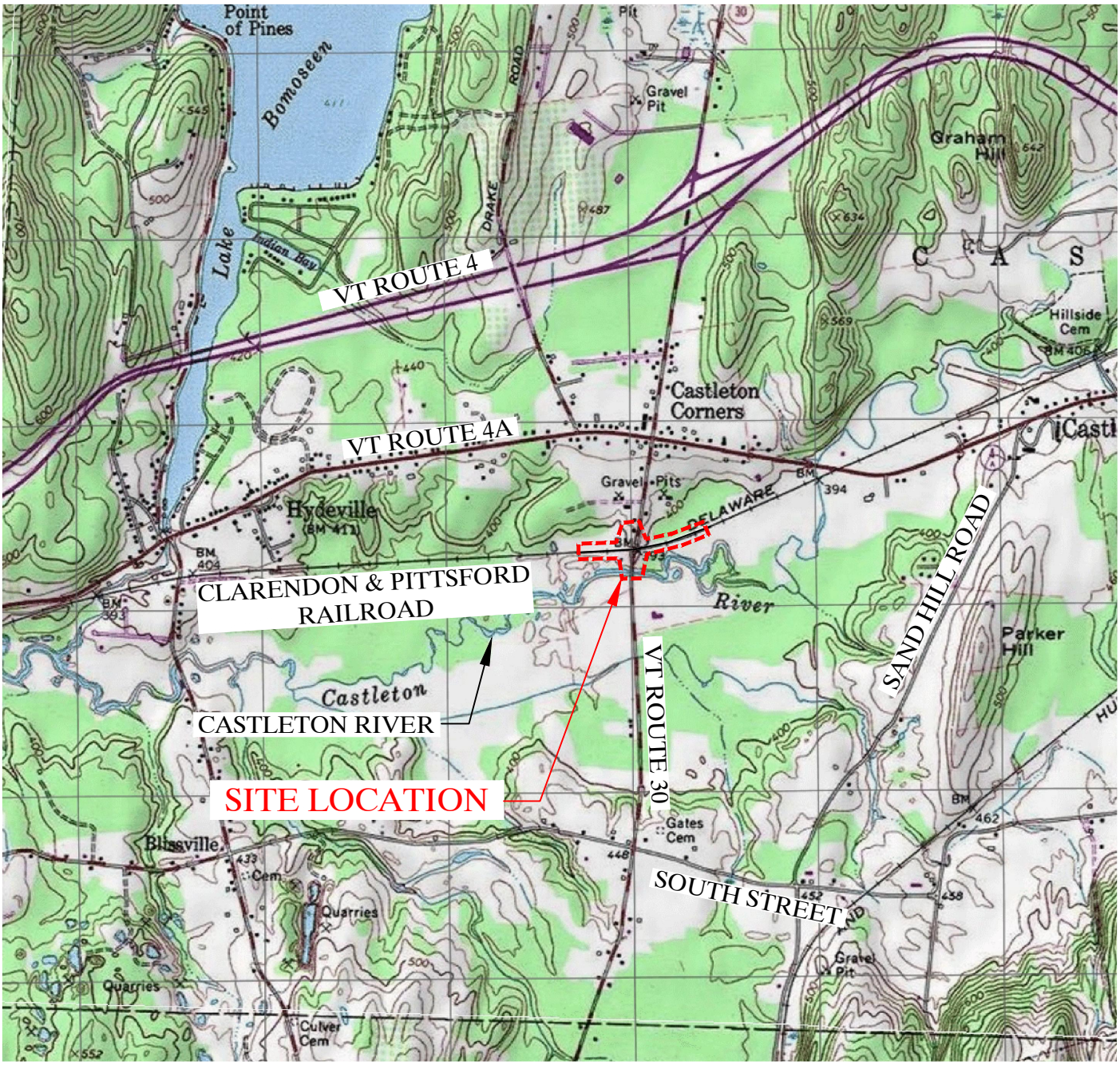
EPSC Plans for this project are included in Appendix B. The EPSC plans also include the following information:

- Direction(s) of stormwater flow and approximate slopes before and after major grading activities;
- Areas of soil disturbance;
- Areas that will not be disturbed;
- Natural features to be preserved;
- Locations of major structural and non-structural BMPs identified in the EPSC;
- Locations and timing of stabilization measures;
- Locations of storm drain inlets;
- Standard Erosion Control Specifications;
- Construction Sequencing;
- Winter Construction Notes; and
- Erosion Control Details.

This EPSC Plan document shall be updated during construction activities in order to identify each type of erosion and sediment control BMP that will be utilized.

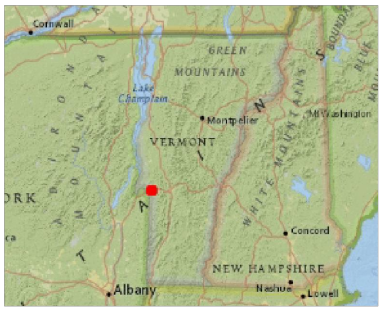
APPENDICES

APPENDIX A
SITE LOCATION MAP



1,219.0 0 610.00 1,219.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere



Pathways Consulting, LLC
240 Mechanic Street, Suite 100
Lebanon, New Hampshire 03766
(603) 448-2200 FAX: (603) 448-1221

SITE LOCATION MAP FOR

VTRANS CASTLETON BRF 015-2(10)

VT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

SCALE:	AS SHOWN
DESIGNED BY:	SAW
DRAWN BY:	SAW
CHECKED BY:	SAW
DATE:	06/04/15
PROJ. NO.	12563

APPENDIX B
EPSC PLANS

APPENDIX C
INSPECTION FORM

VTrans Vermont Agency of Transportation	**EPSC Plan Inspection Report** (Non-Jurisdictional and Low Risk Projects)				
Project Name:			**Date:**	**Time Since Last Storm:**	
Inspector:			**On-Site Coordinator:**		
Measure Inspected	**Y**	**N**	**STA/Off**	**Corrective Action Taken (CAT)**	**Date CAT**
Boundary Limits					
Site boundary markers are up and visible					
Disturbance is only occurring within marked boundaries					
Limit Disturbance Area					
Only acreage listed on *Authorization to Discharge* is disturbed at one time					
Stabilize Construction Entrance/Exit					
Off site tracking of sediment prevented					
Sediment Barriers					
Silt fence trenched into ground					
Accumulated sediment < ½ height of measure					
Diversion					
All upland stormwater is diverted around the work area					
Check Dams					
Check dams are in place and stretch the width of the channel					
Channels are stable with no erosion					
Stabilize Exposed Soils					
Seed and mulch, and/or matting placed in accordance w/ permit requirements					
Soil is seeded and mulched or covered in erosion matting within 48 hours of final grade					
Winter Stabilization					
After Sept. 15, all disturbed areas are seeded & mulched to 3" deep or covered w/ matting					
For ongoing construction, exposed soil is mulched prior to forecasted events					
Dewatering Activities					
Accumulated sediment is removed to allow sufficient treatment					

* Additional Measures and Discharges shall be reported on the back side of this form.

VTrans Vermont Agency of Transportation	EPSC Plan Inspection Report (Non-Jurisdictional and Low Risk Projects)				
Measure Inspected	**Y**	**N**	**STA/Off**	**Corrective Action**	**Date Taken**
Additional Measures					
Discharges Noted					

* If there is a discharge of visibly discolored stormwater from the construction site to waters of the state, the On-Site Plan Coordinator shall inform the Resident Engineer and take corrective action and report the discharge in accordance with Section 6.1 of Permit 3-9020.

APPENDIX D
OFF-SITE ACTIVITY RECORDS

OFF-SITE ACTIVITY REVIEW

VTRANS ENVIRONMENTAL RESOURCE REVIEW

Project/District Name: Castleton BRF 015-2 (10) **Proposed Area Name:** Brown Property

☐ Waste ☐ Borrow ☐ Staging ☒ Other: Access Road X: 442747.93 Y: 122920.33 (NAD83, meters)

Natural Resource Review Reviewer: Glenn Gingras VTrans Biologist

☒ Accepted ☐ Rejected Date 6/4/15 Signature Glenn Gingras

Comments ____

Cultural Resource Review Reviewer: Jen Russell VTrans Archaeology Officer

☒ Accepted ☐ Rejected Date 6-3-15 Signature

Comments ____

☐ **The Site has been REJECTED for use at this time**

The Contractor is advised to:

☐ Seek another site for use

☒ Hire an Environmental firm to ____

☐ Hire an Archeological consultant to clear Section106 issues

☐ **This site has been ACCEPTED** (Site does not warrant any special conditions)

☒ **This site has been ACCEPTED with the following conditions:**

☐ Maintain a minimum buffer of ____ feet from ____

☒ Orange fencing must be installed to protect nearby resources wetlands + buffers.

☐ Materials must be placed on geotextile fabric

☐ Flood Hazard Area present - Use of this site expires 180 days from date of this authorization

☐ Use of this site must comply with applicable local/state/federal permitting regulations including but not limited to:

____

☐ Please contact the Construction Environmental Engineer prior to use of this site.

☐ Other: ____

The VT ANR Low Risk Site Handbook for EPSC measures should be used as a minimum measure for best management practices at waste, borrow and staging sites.

A copy of this Review has been faxed to the Resident Engineer/District Tech ☒ **Yes** ☐ **No**

A copy of this Review has been delivered to the Construction Env Eng (CEE) ☒ **Yes** ☐ **No**

This clearance is for the Natural and Cultural Resources Only.

OFF-SITE ACTIVITY SUBMITTAL

VTrans Working to Get You There

- **This form is to be completed in its entirety by the Contractor/District Tech** when proposing any waste, borrow, or staging area or any work outside the defined Contract construction limits.
- **Submit to Karen Spooner:** karen.spooner@state.vt.us, Phone: (802)828-2169, Fax: (802)828-2334, VTrans Program Development Division, Environmental Section, One National Life Drive, Montpelier, VT 05633-5001
- **Submit a copy to the Resident Engineer**
- **Allow 21 calendar days (see Section 105.25 (c) of the VTrans Standard Specifications For Construction) for review once the application is administratively complete.**

received 5-27-15

- **SUBMITTAL INFORMATION**

Project Name/District: CASTLETON BRF 015-2(10) **Contractor/District Tech:** WM SCHULTZ CONSTRUCTION

Contact: KEVIN TURE **Phone:** 518-956-0255 **Fax:** 518-885-0744 **E-mail:** KTure@WMSchultz.com

Resident Engineer: CHRIS WILLIAMS **Phone:** ~~802-498-4170~~ **Fax:** 802-786-3810

- **PROPOSAL INFORMATION** (Select one type of area being proposed for use per submittal and describe associated characteristics)

~~☒ Waste~~ ☐ Borrow ☐ Staging ☒ Other (ex. dewatering location): Access

Material: ~~Type (asphalt, concrete, earthen, etc.)~~ ALL Quantity (yds³) ~~2,500 CY~~

Total Area of Land Disturbance (sq ft) ~~10,000 +/-~~ 3,000 SF +/-

Additional Info:

- **LANDOWNER/PROPERTY INFO** (Fill all applicable boxes; **attach a Location Map and Sketch of Area)**

Name: Charles W Brown (Print Name) **Address:** 2504 So St Castleton VT **Phone:** 802-236-3095

☐ Private Residential/Commercial ☐ Town/State Owned Facility ☐ Other

Additional Info: Industrial Zoned

Are there other users of this site? ☐ Yes ☒ No

Known past uses:

☑ Location Map (must be USGS Geological Survey Map (7.5')) GOOGLE MAPS

☑ Sketch of Area: ☑ North arrow ☑ Approx scale ☑ Recognizable features

Permit Info:

Act 250 Permit Exists? ☐ Yes ☒ No If Yes, # Copy Enclosed? ☐ Yes ☐ No

List of Other Existing Permits:

Landowner Agreement (Signature is required for all private-, town-, and state-owned properties)

I, Charles W Brown, warrant that the information in the above permit application is accurate and agree
(Landowner/Facility Manager Signature)

to the use of the proposed area by WM SCHULTZ CONST. as shown on the attached sketch. If acting as the agent of
(Name of Contractor)

the Landowner, I warrant (1) that the Landowner has the full right, power, and authority to authorize the proposed use, (2) that I am authorized to act as the Landowner's agent, and (3) that my authority to act as the Landowner's agent has not been revoked.

Date: 5/15/15

This clearance is for the Natural and Cultural Resources Only.

X=442147.93 Y=122920.33

SCHULTZ

May 27, 2015

State of Vermont Agency Of Transportation – Environmental Section
One National Life Drive
Montpelier, Vermont 05633-5001

Attn: Karen Spooner

Re: Castleton BRF 015-2(10)
Offsite Activity Submittal- ***Lands of Charles Brown***

Dear Karen,

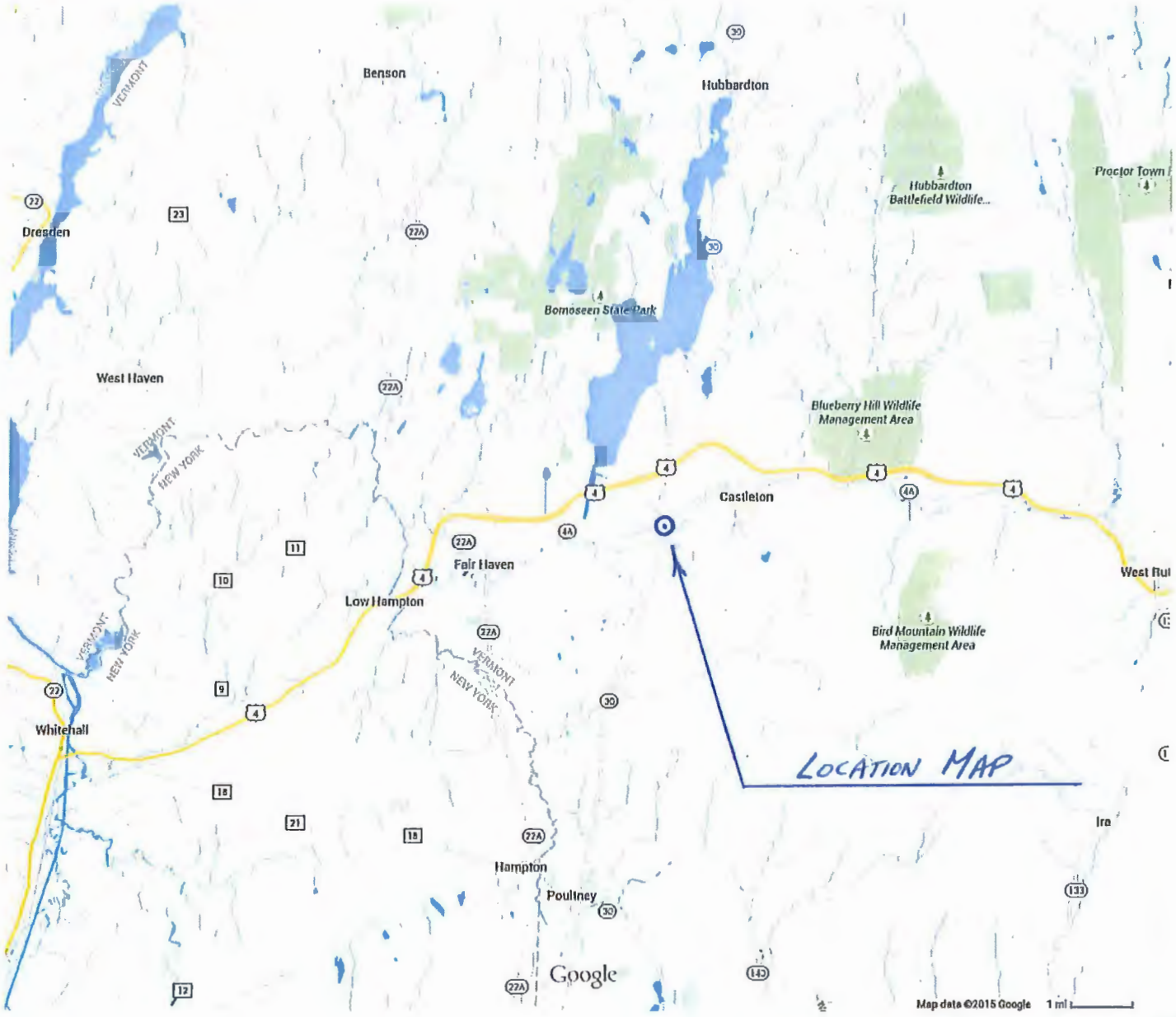
Attached please find our Offsite Activity Submittal for the land of Charles Brown for Access to the project site on Rt. 30 in Castleton, Vermont. The area highlighted outside the temporary construction limit is approximately 3,000 SF +/-. All areas disturbed will be returned to natural conditions at project completion.

Please do not hesitate to contact us should additional information be required.

Sincerely,
W.M. Schultz Construction

Mike Garn
Asst. Project Manager

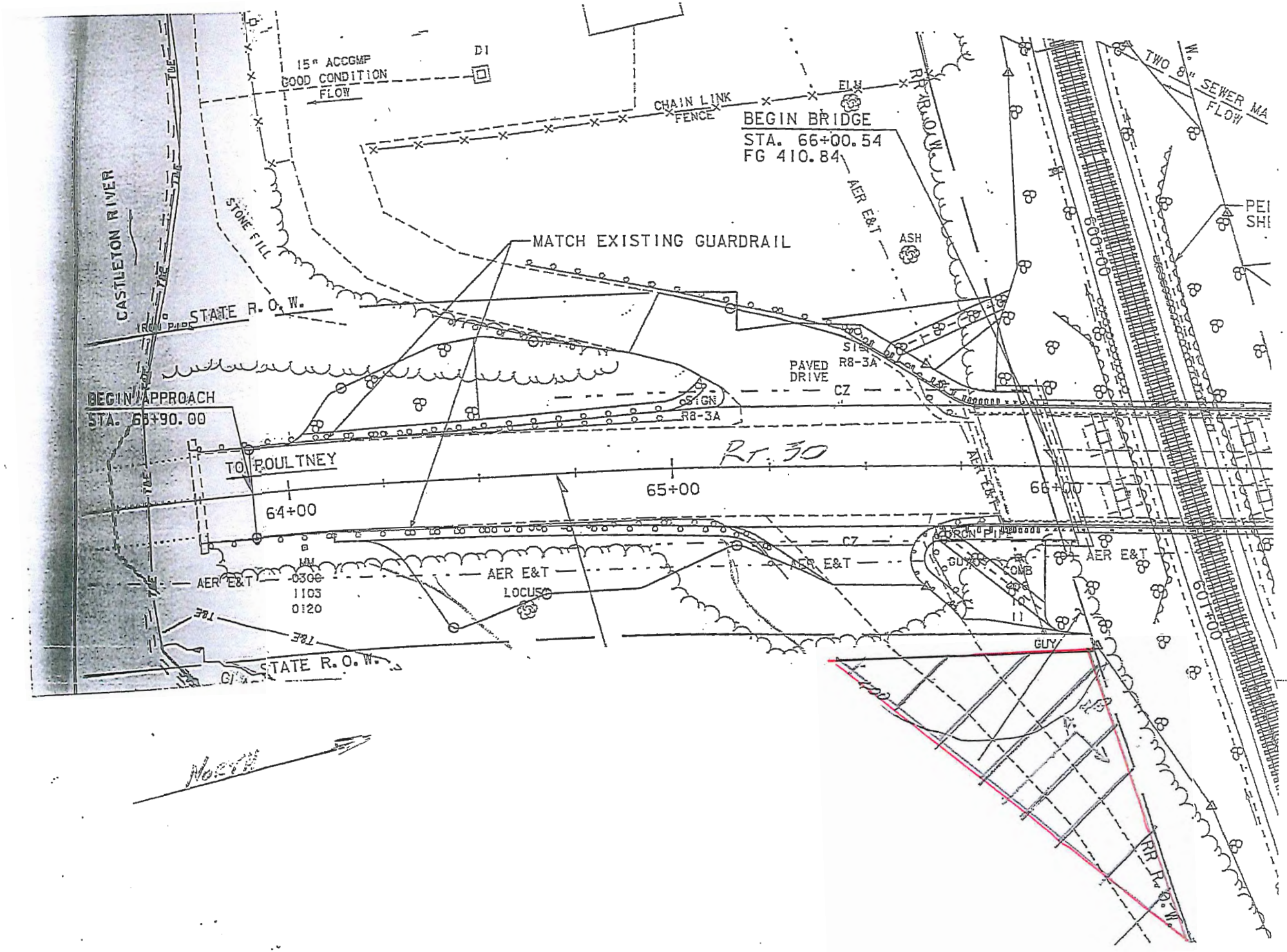
cc Chris Williams, RE



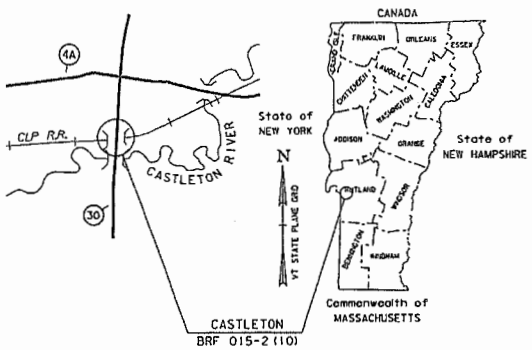
CASTLETON BRF 015-2(10)
PROPOSE ~~WASTE~~ ACCESS AREA
LAND OF CHARLES BROWN

W.M. SCHULTZ CONSTRUCTION

N


CASTLETON RIVER
STONE FILL
STATE R.O.W.
15" ACCGMP
GOOD CONDITION
FLOW
DI
CHAIN LINK
FENCE
ELM
BEGIN BRIDGE
STA. 66+00.54
FG 410.84
RR R.O.W.
AER E&T
ASH
MATCH EXISTING GUARDRAIL
TWO 8" SEWER MA
FLOW
PAVED
DRIVE
SIGN
R8-3A
CZ
BEGIN APPROACH
STA. 63+90.00
TO POULTNEY
Rt. 30
64+00
65+00
66+00
600+00
601+00
IRON PIPE
GUY
POLE
LOCUS
030e
1103
0120
TBE
STATE R.O.W.
North

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
BRIDGE PROJECT

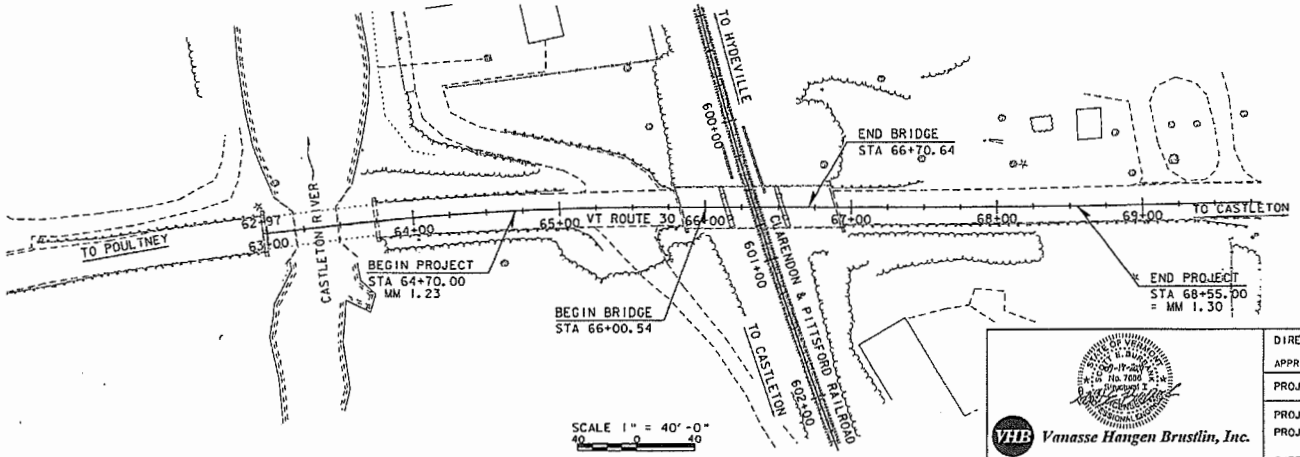
TOWN OF CASTLETON
COUNTY OF RUTLAND
VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO 93

PROJECT LOCATION: LOCATED IN THE COUNTY OF RUTLAND, TOWN OF CASTLETON, ON VT ROUTE 30; BRIDGE NO. 93 OVER THE CLARENDON AND PITTSFORD RAILROAD; APPROXIMATELY 0.3 MILES SOUTH OF INTERSECTION OF VT ROUTE 30 AND VT ROUTE 4A.

PROJECT DESCRIPTION: WORK TO BE PERFORMED UNOER THIS PROJECT INCLUDES THE REMOVAL AND REPLACEMENT OF BRIDGE NO. 93 ON THE EXISTING ALIGNMENT, WITH ASSOCIATED ROADWAY AND RAIL WORK.

LENGTH OF STRUCTURE: 70.10 FEET
LENGTH OF ROADWAY: 314.90 FEET
LENGTH OF PROJECT: 385.00 FEET

LENGTH OF RAIL WORK: 1126.00 FEET



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL 2	
SURVEYED BY :	L. ORVIS
SURVEYED DATE :	03-28-2012
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD83 (1992)

DIRECTOR OF PROJECT DELIVERY APPROVED	DATE 9/18/2014
PROJECT MANAGER :	JENNIFER M.V. FITCH, P.E.
PROJECT NAME :	CASTLETON
PROJECT NUMBER :	BRF 015-2 (10)
SHEET 1 OF 81	SHEETS

W.M. Schultz Construction, Inc.
P.O. Box 2620
Ballston Spa, New York 12020
(518)-885-0060 Fax (518) 885-0744

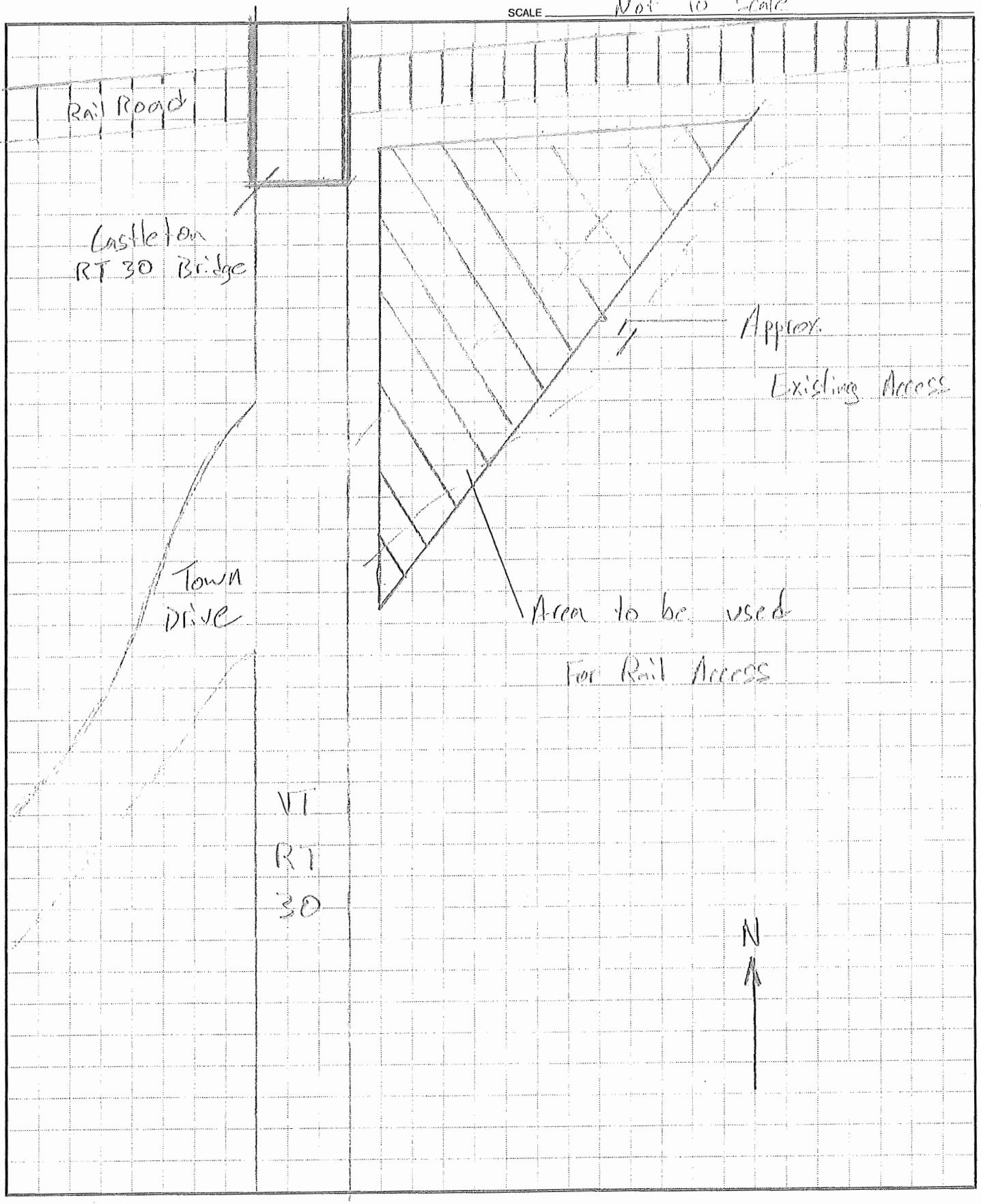
JOB Castleton BRI 0K - 1

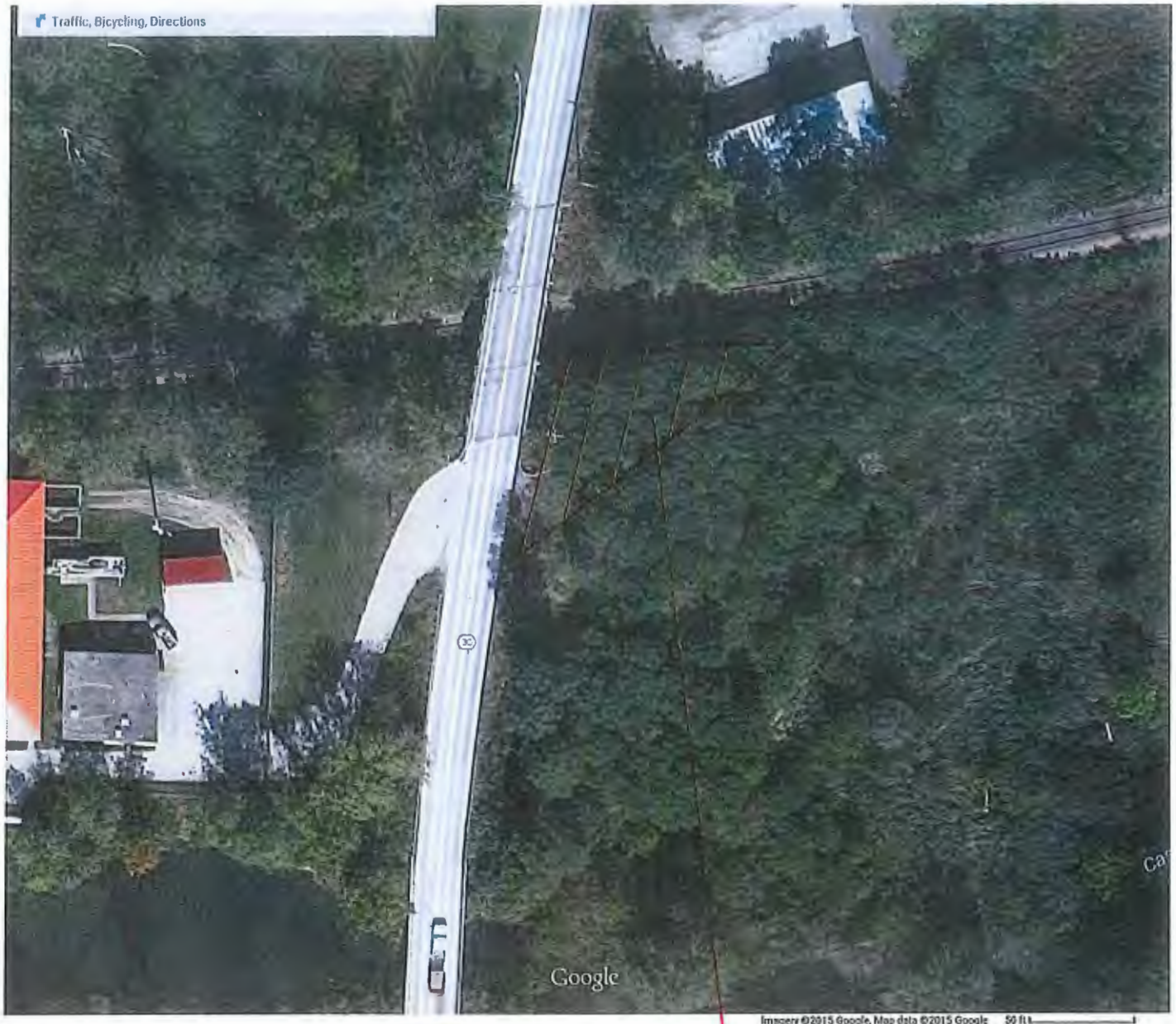
SHEET NO. 1 OF 1

CALCULATED BY _____ DATE _____

CHECKED BY MG DATE 8/27/15

SCALE Not to Scale





N

Access to Rail
Approx 100' x 30'

VERMONT DIVISION FOR HISTORIC PRESERVATION

Environmental Predictive Model for Locating Precontact Archeological Sites

Project Name_____ **County**_____ **Town**_____
DHP No. _____ **Map No.** _____ **Staff Init.** _____ **Date**_____
Additional Information_____

Environmental Variable	Proximity	Value	Assigned Score
A. RIVERS and STREAMS (EXISTING or RELICT):			
1) Distance to River or Permanent Stream (measured from top of bank)	0- 90 m 90- 180 m	12 6	_____
2) Distance to Intermittent Stream	0- 90 m 90-180 m	8 4	_____
3) Confluence of River/River or River/Stream	0-90 m 90 –180 m	12 6	_____
4) Confluence of Intermittent Streams	0 – 90 m 90 – 180 m	8 4	_____
5) Falls or Rapids	0 – 90 m 90 – 180 m	8 4	_____
6) Head of Draw	0 – 90 m 90 – 180 m	8 4	_____
7) Major Floodplain/Alluvial Terrace		32	_____
8) Knoll or swamp island		32	_____
9) Stable Riverine Island		32	_____
B. LAKES and PONDS (EXISTING or RELICT):			
10) Distance to Pond or Lake	0- 90 m 90 -180 m	12 6	_____
11) Confluence of River or Stream	0-90 m 90 –180 m	12 6	_____
12) Lake Cove/Peninsula/Head of Bay		12	_____
C. WETLANDS:			
13) Distance to Wetland (wetland > one acre in size)	0- 90 m 90 -180 m	12 6	_____
14) Knoll or swamp island		32	_____
D. VALLEY EDGE and GLACIAL LAND FORMS:			
15) High elevated landform such as Knoll Top/Ridge Crest/ Promontory		12	_____
16) Valley edge features such as Kame/Outwash Terrace**		12	_____

-over-

17) Marine/Lake Delta Complex**		12	_____
18) Champlain Sea or Glacial Lake Shore Line**		32	_____
E. OTHER ENVIRONMENTAL FACTORS:			
19) Caves /Rockshelters		32	_____
20) [ ] Natural Travel Corridor [ ] Sole or important access to another drainage [ ] Drainage divide		12	_____
21) Existing or Relict Spring	0 – 90 m 90 – 180 m	8 4	_____
22) Potential or Apparent Prehistoric Quarry for stone procurement	0 – 180 m	32	_____
23)) Special Environmental or Natural Area, such as Milton acquifer, mountain top, etc. (these may be historic or prehistoric sacred or traditional site locations and prehistoric site types as well)		32	_____
F. OTHER HIGH SENSITIVITY FACTORS:			
24) High Likelihood of Burials		32	_____
25) High Recorded Site Density		32	_____
26) High likelihood of containing significant site based on recorded or archival data or oral tradition		32	_____
G. NEGATIVE FACTORS:			
27) Excessive Slope (>15%) or Steep Erosional Slope (>20)		- 32	_____
28) Previously disturbed land as evaluated by a qualified archeological professional or engineer based on coring, earlier as-built plans, or obvious surface evidence (such as a gravel pit)		- 32	_____
**** refer to 1970 Surficial Geological Map of Vermont**			
		Total Score:	
Other Comments :			
0- 31 = Archeologically Non- Sensitive **32+ = Archeologically Sensitive**			

-over-


Castleton BRF 015-2(10)
Access Area
0 0.0045 0.009 0.0135 0.018
Miles
N
Proposed Access
30
VT Archeologic Inventory
WaterWetlands_NWI
Floodplain
VSWI
Deer Wintering Areas
WCV
WCV
10
9
8
7
6
5
World Imagery
Low Resolution 15m Imagery
High Resolution 60cm Imagery
High Resolution 30cm Imagery
Citations
Source: Esri, DigitalGlobe, GeoEye,
USDA, USGS, AEX, Getmapping,
User Community
Map created by <JLehmann>,
PDD-Environmental Section
on 29/05/2015.

VERMONT DIVISION FOR HISTORIC PRESERVATION

Environmental Predictive Model for Locating Precontact Archeological Sites

Project Name Carlton BRF 015-2 (10) County Rutland Town Carlton
DHP No. _____ Map No. _____ Staff Init. _____ Date 01/06/15
Additional Information _____

Environmental Variable	Proximity	Value	Assigned Score
A. RIVERS and STREAMS (EXISTING or RELICT):			
1) Distance to River or Permanent Stream (measured from top of bank)	0- 90 m 90- 180 m	12 6	12
2) Distance to Intermittent Stream	0- 90 m 90-180 m	8 4	
3) Confluence of River/River or River/Stream	0-90 m 90 –180 m	12 6	
4) Confluence of Intermittent Streams	0 – 90 m 90 – 180 m	8 4	
5) Falls or Rapids	0 – 90 m 90 – 180 m	8 4	
6) Head of Draw	0 – 90 m 90 – 180 m	8 4	
7) Major Floodplain/Alluvial Terrace		32	32
8) Knoll or swamp island		32	
9) Stable Riverine Island		32	
B. LAKES and PONDS (EXISTING or RELICT):			
10) Distance to Pond or Lake	0- 90 m 90 -180 m	12 6	
11) Confluence of River or Stream	0-90 m 90 –180 m	12 6	
12) Lake Cove/Peninsula/Head of Bay		12	
C. WETLANDS:			
13) Distance to Wetland (wetland > one acre in size)	0- 90 m 90 -180 m	12 6	
14) Knoll or swamp island		32	
D. VALLEY EDGE and GLACIAL LAND FORMS:			
15) High elevated landform such as Knoll Top/Ridge Crest/ Promontory		12	
16) Valley edge features such as Kame/Outwash Terrace**		12	

-over-

17) Marine/Lake Delta Complex**		12	_____
18) Champlain Sea or Glacial Lake Shore Line**		32	_____
E. OTHER ENVIRONMENTAL FACTORS:			
19) Caves /Rockshelters		32	_____
20) [ ] Natural Travel Corridor [ ] Sole or important access to another drainage [ ] Drainage divide		12	_____
21) Existing or Relict Spring	0 – 90 m 90 – 180 m	8 4	_____
22) Potential or Apparent Prehistoric Quarry for stone procurement	0 – 180 m	32	_____
23)) Special Environmental or Natural Area, such as Milton acquifer, mountain top, etc. (these may be historic or prehistoric sacred or traditional site locations and prehistoric site types as well)		32	_____
F. OTHER HIGH SENSITIVITY FACTORS:			
24) High Likelihood of Burials		32	_____
25) High Recorded Site Density		32	_____
26) High likelihood of containing significant site based on recorded or archival data or oral tradition		32	32
G. NEGATIVE FACTORS:			
27) Excessive Slope (>15%) or Steep Erosional Slope (>20)		- 32	_____
28) Previously disturbed land as evaluated by a qualified archeological professional or engineer based on coring, earlier as-built plans, or obvious surface evidence (such as a gravel pit)		- 32	-32

** **refer to 1970 Surficial Geological Map of Vermont**

Total Score:

Other Comments :

0- 31 = Archeologically Non- Sensitive
32+ = Archeologically Sensitive

-over-

OFF-SITE ACTIVITY REVIEW

VTRANS ENVIRONMENTAL RESOURCE REVIEW

Project/District Name: Castleton BRF 015-2(10) **Proposed Area Name:** Schultz Construction—Ryder Property

☒ Waste ☐ Borrow ☒ Staging ☐ Other:_____ X: 442,722.75 Y: 122,956.02 (NAD83, meters)

Natural Resource Review Reviewer: Glenn Gingras, VTrans Biologist

☒ Accepted ☐ Rejected Date 5/20/15 Signature Glenn Gingras

Comments _____

Cultural Resource Review Reviewer: Brennan Gauthier, VTrans Arch

☒ Accepted ☐ Rejected Date 5/20/15 Signature Brennan Gauthier

Comments _____

☐ **The Site has been REJECTED for use at this time**

The Contractor is advised to:

- ☐ Seek another site for use
- ☐ Hire an Environmental firm to _____
- ☐ Hire an Archeological consultant to clear Section106 issues

☒ **This site has been ACCEPTED** (Site does not warrant any special conditions)

☐ **This site has been ACCEPTED with the following conditions:**

- ☐ Maintain a minimum buffer of _____feet from _____
- ☐ Orange fencing must be installed to protect nearby resources _____
- ☐ Materials must be placed on geotextile fabric
- ☐ Flood Hazard Area present - Use of this site expires 180 days from date of this authorization
- ☐ Use of this site must comply with applicable local/state/federal permitting regulations including but not limited to: _____
- ☐ Please contact the Construction Environmental Engineer prior to use of this site.
- ☐ Other: _____

The VT ANR Low Risk Site Handbook for EPSC measures should be used as a minimum measure for best management practices at waste, borrow and staging sites.

A copy of this Review has been faxed to the Resident Engineer/District Tech ☒ **Yes** ☐ **No**

A copy of this Review has been delivered to the Construction Env Eng (CEE) ☒ **Yes** ☐ **No**

This clearance is for the Natural and Cultural Resources Only.

OFF-SITE ACTIVITY SUBMITTAL

- **This form is to be completed in its entirety by the Contractor/District Tech** when proposing any waste, borrow, or staging area or any work outside the defined Contract construction limits.
- **Submit to Karen Spooner:** karen.spooner@state.vt.us, Phone: (802)828-2169, Fax: (802)828-2334, VTrans Program Development Division, Environmental Section, One National Life Drive, Montpelier, VT 05633-5001
- **Submit a copy to the Resident Engineer**
- **Allow 21 calendar days (see Section 105.25 (c) of the VTrans Standard Specifications For Construction) for review once the application is administratively complete.**

received 5.14.15

- **SUBMITTAL INFORMATION**

Project Name/District: CASTLETON BRF 015-2 **Contractor/District Tech:** WM SCHULTZ CONST.

Contact: KEVIN TURE **Phone:** 518-956-0255 **Fax:** 518-585-0744 **E-mail:** kture@wmschultz.com

Resident Engineer: CHRIS WILLIAMS **Phone:** 802-498-4170 **Fax:** 802-786-3810

- **PROPOSAL INFORMATION** (Select one type of area being proposed for use per submittal and describe associated characteristics)

☑ Waste ☐ Borrow ☑ Staging ☐ Other (ex. dewatering location):

Material: Type ~~(asphalt, concrete,~~ earthen, etc.) EARTHEN Quantity (yds^3) 300 cy +/-

Total Area of Land Disturbance (sq ft) 3,000 SF +/-

Additional Info: To create a crane pad then leave material there

- **LANDOWNER/PROPERTY INFO** (Fill all applicable boxes; **attach a Location Map and Sketch of Area**)

Name: Joyce Rider (Print Name) **Address:** 224 RT. 30 South, PO Box 156, Bomoseen VT 05732 **Phone:** 468-2964

☑ Private Residential/Commercial ☐ Town/State Owned Facility ☐ Other

Additional Info:

Are there other users of this site? ☐ Yes ☑ No

Known past uses:

☑ Location Map ~~(must be USGS Geological Survey Map (7.5'))~~ FROM CONTRACT PLAN SHEETS

☑ Sketch of Area: ☑ North arrow ☑ Approx scale ☑ Recognizable features

Permit Info:

Act 250 Permit Exists? ☐ Yes ☑ No If Yes, # Copy Enclosed? ☐ Yes ☐ No

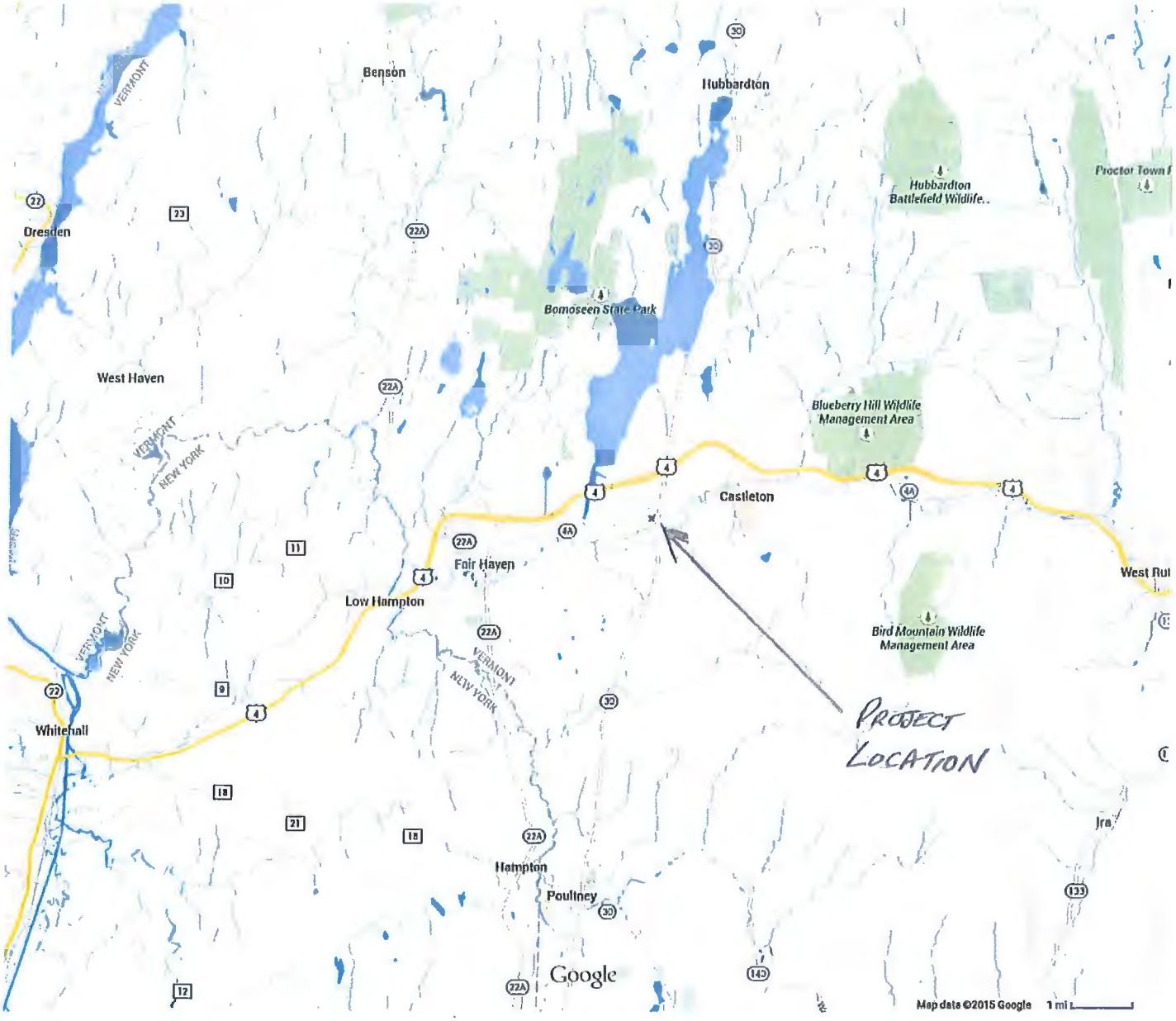
List of Other Existing Permits:

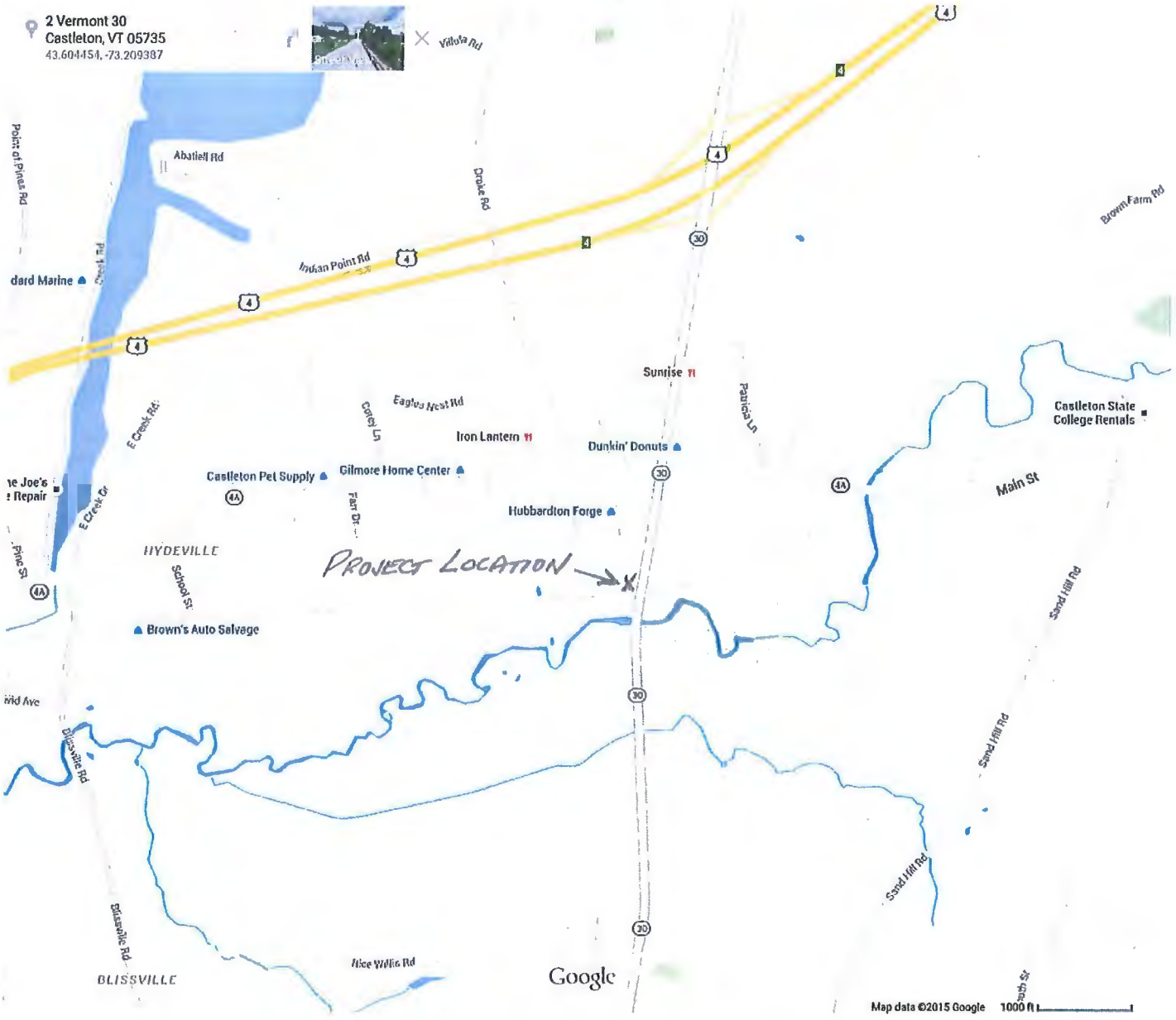
Landowner Agreement (Signature is required for all private-, town-, and state-owned properties)

I, Joyce Rider (Landowner/Facility Manager Signature), warrant that the information in the above permit application is accurate and agree to the use of the proposed area by W.M. SCHULTZ CONST. (Name of Contractor) as shown on the attached sketch. If acting as the agent of the Landowner, I warrant (1) that the Landowner has the full right, power, and authority to authorize the proposed use, (2) that I am authorized to act as the Landowner's agent, and (3) that my authority to act as the Landowner's agent has not been revoked.

Date: 5/14/2015

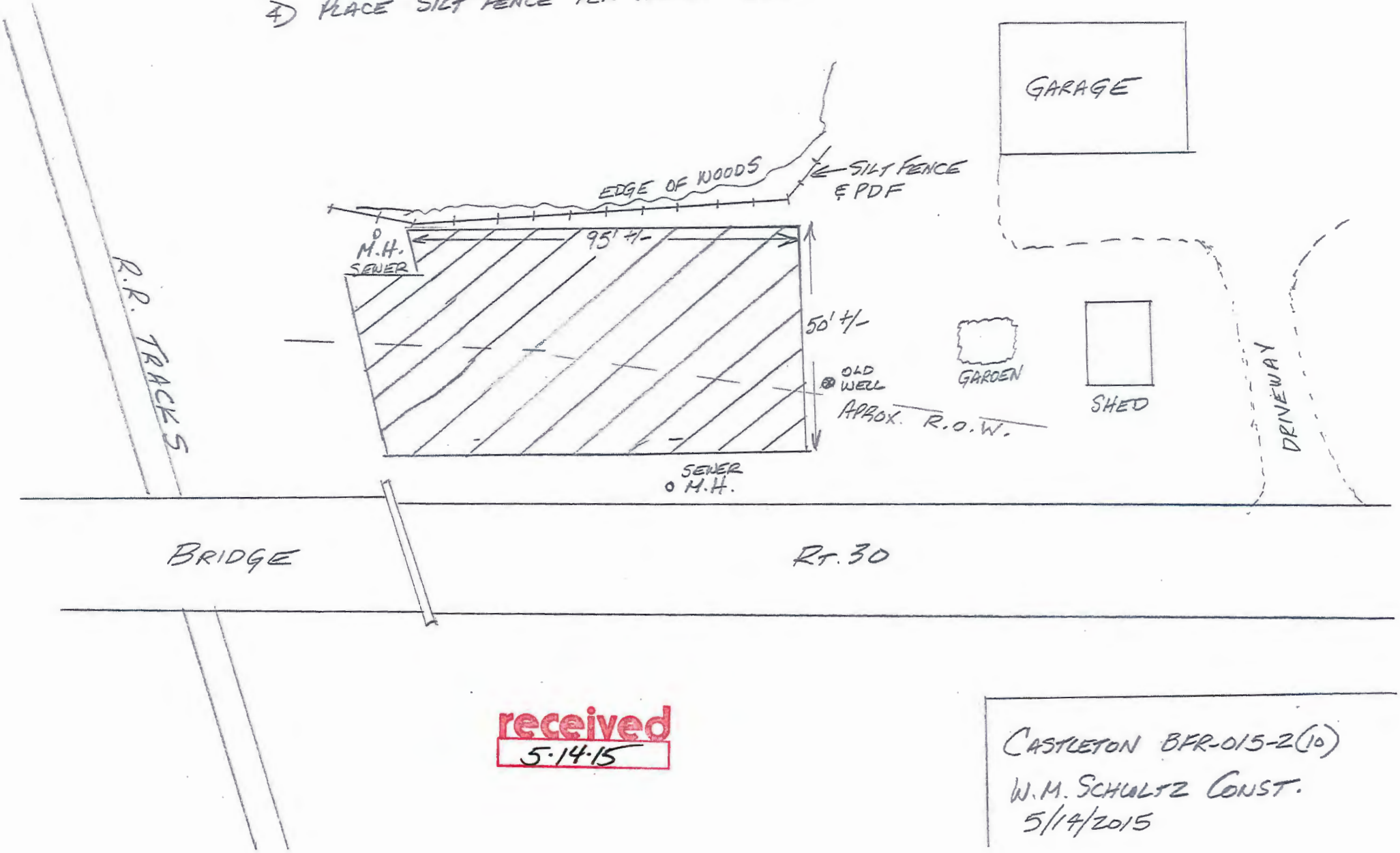
This clearance is for the Natural and Cultural Resources Only.





PROPOSED STAGING AREA
LAND OF JOYCE RIDER

NOTES:
1) AREA ON RIDER LAND APROX. 3,000 SF
2) PLACE 2'-3' CLEAN FILL FOR CRANE PAD, 300 cy +/-
3) TOPSOIL, SEED AND MULCH ENTIRE AREA
4) PLACE SILT FENCE PER VTRANS SPECS.



CASTLETON BFR-015-2(10)
W.M. SCHULTZ CONST.
5/14/2015

Spooner, Karen

From: Kevin Ture <KTure@wmschultz.com>
Sent: Thursday, May 14, 2015 3:21 PM
To: Spooner, Karen
Subject: RE: Offsite submittal Castleton BRF 015-2 (10)
Attachments: 20150514151635000.pdf

Karen,

There is only one area, both fill and staging for a crane pad will occur in the same area. As I explained in the letter, in order to level out the area for staging and make a crane pad, we need to place about 2-3' of fill. The land owner wants the fill left in place, graded to drain, topsoiled and seeded.

I attached some Google maps and a new sketch of the area and signed and dated the submittal. Please let me know if any further information is required.

Thanks

Kevin Ture
Schultz Construction
Heavy Civil Construction
831 State Route 67 | Curtis Industrial Park
PO Box 2620 | Ballston Spa, NY 12020
W: 518.885.0060 Ext. 221 F: 518.885.0744
C: 518.956.0255

Gruen Construction
A member of the Schultz Group of Companies

From: Spooner, Karen [mailto:Karen.Spooner@state.vt.us]
Sent: Wednesday, May 13, 2015 8:25 AM
To: Kevin Ture
Subject: RE: Offsite submittal Castleton BRF 015-2 (10)

Thank you for your submittal, however before I can forward it along for review I will need some additional information. First I will need a detailed sketch (see attached) of both sites (you have indicated a waste and a staging site). I will also need to know what and how much is being wasted and what and how much is being staged. I will also need a map (a Google map will suffice). Plan sheets do not work in most cases for our reviews. Once this information is received I will forward it along for review. If you have any questions please feel free to contact me. Also the bottom of the submittal was not dated.

Karen Spooner
Administrative Assistant
Vermont Agency of Transportation
Highway Division
Project Delivery Bureau - Environmental Section
1 National Life Drive
Montpelier, VT 05633-5001
(802) 828-2169

OFF-SITE ACTIVITY SUBMITTAL

VTrans Working to Get You There

- **This form is to be completed in its entirety by the Contractor/District Tech** when proposing any waste, borrow, or staging area or any work outside the defined Contract construction limits.
- **Submit to Karen Spooner:** karen.spooner@state.vt.us, Phone: (802)828-2169, Fax: (802)828-2334, VTrans Program Development Division, Environmental Section, One National Life Drive, Montpelier, VT 05633-5001
- **Submit a copy to the Resident Engineer**
- **Allow 21 calendar days (see Section 105.25 (c) of the VTrans Standard Specifications For Construction) for review once the application is administratively complete.**

received 5-13-15

- **SUBMITTAL INFORMATION**

Project Name/District: CASTLETON BRF 0152 **Contractor/District Tech:** WM SCHULTZ CONST.

Contact: KEVIN TURE **Phone:** 518-956-0255 **Fax:** 518-885-0744 **E-mail:** kture@wmschultz.com

Resident Engineer: CHRIS WILLIAMS **Phone:** 802-498-4170 **Fax:** 802-786-3810

- **PROPOSAL INFORMATION** (Select one type of area being proposed for use per submittal and describe associated characteristics)

☑ Waste ☐ Borrow ☑ Staging ☐ Other (ex. dewatering location): _____

Material: Type ~~(asphalt, concrete,~~ earthen, etc.) EARTHEN Quantity (yds³) 300 cy +/-

Total Area of Land Disturbance (sq ft) 3,000 SF +/-

Additional Info: _____

- **LANDOWNER/PROPERTY INFO** (Fill all applicable boxes; **attach a Location Map and Sket**

Name: Joyce Rider Address: 224 Rt. 30 So... PO Box 156, Bo... 2964

Print Name

☑ Private Residential/Commercial ☐ Town/State Owned Facility

Additional Info: _____

Are there other users of this site? ☐ Yes ☑ No

Known past uses: _____

☑ Location Map ~~(must be USGS Geological Survey Map (7.5'))~~ FROM CONTR... -TS

☑ Sketch of Area: ☑ North arrow ☑ Approx scale ☑ Recognizable featu...

Sketch
Google map
Stage what? How much?
Waste what? How much?
Recd 5/14/15

Permit Info:

Act 250 Permit Exists? ☐ Yes ☑ No If Yes, #_____ Copy Enclosed? ☐ Yes ☐ No

List of Other Existing Permits: _____

Landowner Agreement (Signature is required for all private-, town-, and state-owned properties)

I, Joyce Rider, warrant that the information in the above permit application is accurate and agree

Landowner/Facility Manager Signature

to the use of the proposed area by _____ as shown on the attached sketch. If acting as the agent of

Name of Contractor

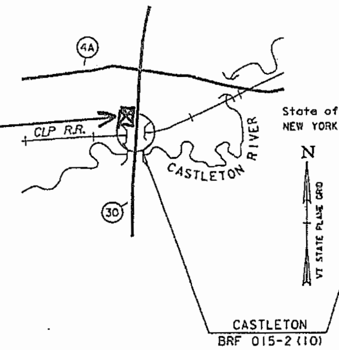
the Landowner, I warrant (1) that the Landowner has the full right, power, and authority to authorize the proposed use, (2) that I am authorized to act as the Landowner's agent, and (3) that my authority to act as the Landowner's agent has not been revoked.

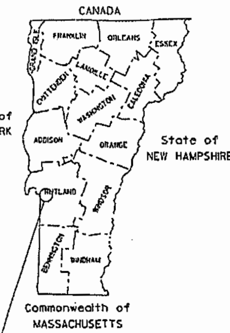
Date: _____

This clearance is for the Natural and Cultural Resources Only.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

LOCATION PLAN





PROPOSED IMPROVEMENT
BRIDGE PROJECT

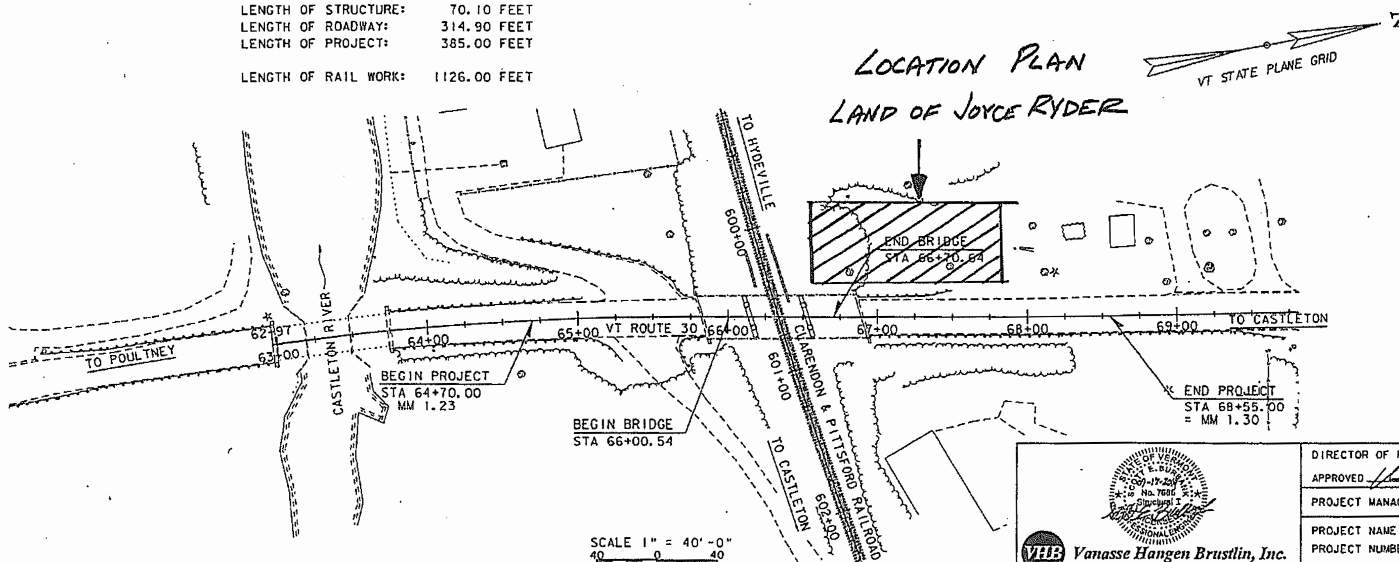
TOWN OF CASTLETON
COUNTY OF RUTLAND
VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO 93

PROJECT LOCATION: LOCATED IN THE COUNTY OF RUTLAND, TOWN OF CASTLETON, ON VT ROUTE 30; BRIDGE NO. 93 OVER THE CLARENDON AND PITTSFORD RAILRDAD; APPROXIMATELY 0.3 MILES SOUTH OF INTERSECTION OF VT ROUTE 30 AND VT ROUTE 4A.

PROJECT DESCRIPTION: WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE REMOVAL AND REPLACEMENT OF BRIDGE NO. 93 ON THE EXISTING ALIGNMENT, WITH ASSOCIATED ROADWAY AND RAIL WORK.

LENGTH OF STRUCTURE:	70.10 FEET
LENGTH OF ROADWAY:	314.90 FEET
LENGTH OF PROJECT:	385.00 FEET
LENGTH OF RAIL WORK:	1126.00 FEET

LOCATION PLAN
LAND OF JOYCE RYDER



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

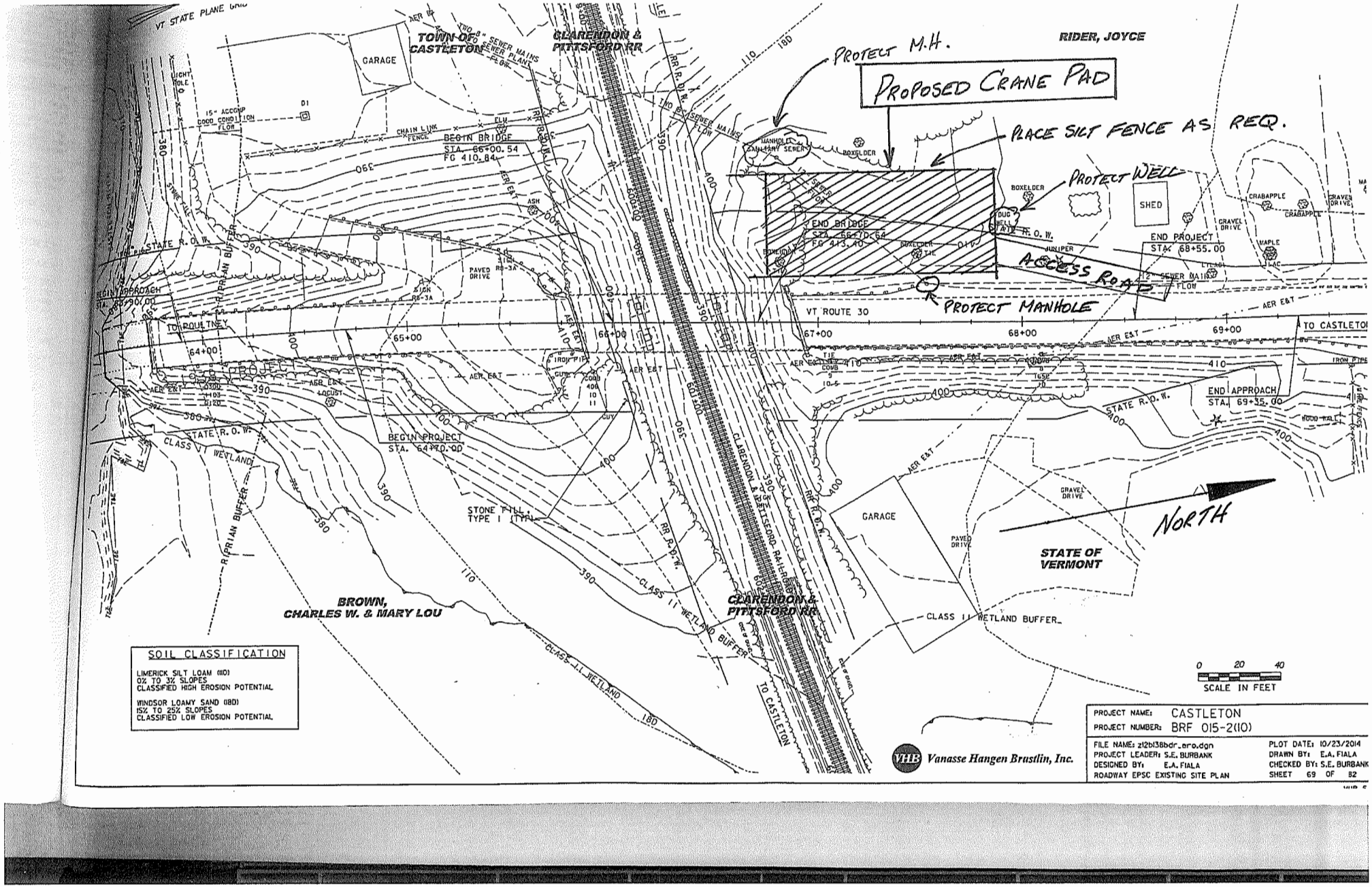
QUALITY ASSURANCE PROGRAM : LEVEL 2

SURVEYED BY : L. ORVIS
SURVEYED DATE : 03-28-2012

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD83 (1992)

VHB Vanasse Hangen Brustlin, Inc.

DIRECTOR OF PROJECT DELIVERY
APPROVED [signature] DATE 9/18/2014
PROJECT MANAGER : JENNIFER M.V. FITCH, P.E.
PROJECT NAME : CASTLETON
PROJECT NUMBER : BRF 015-2 (10)
SHEET 1 OF 81 SHEETS


PROTECT M.H.
PROPOSED CRANE PAD
PLACE SILT FENCE AS REQ.
PROTECT WELL
PROTECT MANHOLE
ACCESS ROAD
RIDER, JOYCE
TOWN OF CASTLETON
CLARENDON & PITTSFORD RR
BROWN, CHARLES W. & MARY LOU
STATE OF VERMONT
BEGIN BRIDGE STA. 66+00.54 FG 410.84
END BRIDGE STA. 66+10.64 FG 413.40
BEGIN APPROACH STA. 63+90.00
BEGIN PROJECT STA. 64+70.00
END PROJECT STA. 68+55.00
END APPROACH STA. 69+35.00
VT ROUTE 30
TO ROUTNEY
TO CASTLETON
STONE FILL TYPE I (TYP.)
CLASS II WETLAND
CLASS II WETLAND BUFFER
RIPARIAN BUFFER
GARAGE
SHED
NORTH
SOIL CLASSIFICATION
LIMERICK SILT LOAM (lID) 0% TO 3% SLOPES CLASSIFIED HIGH EROSION POTENTIAL
WINDSOR LOAMY SAND (lBD) 15% TO 25% SLOPES CLASSIFIED LOW EROSION POTENTIAL
0 20 40
SCALE IN FEET
PROJECT NAME: CASTLETON
PROJECT NUMBER: BRF 015-2(110)
FILE NAME: z12b138bdr_ero.dgn
PROJECT LEADER: S.E. BURBANK
DESIGNED BY: E.A. FIALA
ROADWAY EPSC EXISTING SITE PLAN
PLOT DATE: 10/23/2014
DRAWN BY: E.A. FIALA
CHECKED BY: S.E. BURBANK
SHEET 69 OF 82
VHB Vanasse Hangen Brustlin, Inc.

SCHULTZ

May 12, 2015

State of Vermont Agency Of Transportation – Environmental Section
One National Life Drive
Montpelier, Vermont 05633-5001

Attn: Karen Spooner

Re: Castleton BRF 015-2(10)
Offsite Activity Submittal- ***Lands of Joyce Rider***

Dear Karen,

Attached please find Offsite Activity Submittal for the land of Joyce Rider. The primary use of this land will be to establish a crane mat to facilitate the installation of the sheet pile wall and also a staging area for the duration of the project.

As such it will be nessesary to place about 2-3 feet of clean fill on Mrs. Ryder's land. Mrs. Ryder has requested that we leave the fill in place to level out some low spots in her lawn, that should amount to about 300 cy of clean fill. At the completion, we will grade to drain, topsoil and seed.

Please do not hesitate to contact us should additional information be required.

Very truly yours,
W.M. Schultz Construction

Kevin C. Ture
Project Manager

cc Chris Williams, RE

OFF-SITE ACTIVITY EXEMPTION RECORD

To be completed by the Contractor and filed with the Resident Engineer.
Check the appropriate exemption category from the boxes below.

Staging Area Exemptions

The placement of construction trailers, equipment, and/or non-erodible materials

- ☐ On existing paved or gravel surfaces which will not require any additional earth disturbance

Borrow Site Exemptions

- ☐ Existing, in-use gravel pits which have an Act 250 Permit as long as the use does not modify the conditions of said permit (Act 250 Permit # provided by Contractor)
- ☐ Existing, in-use, commercial gravel pits that are "Grandfathered" from the Act 250 Permit Review Process as long as a landowner signature is provided
- ☐ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits

Waste Disposal Exemptions

- ☐ The use of project generated Solid Wastes to build the same project, or another project owned by the same entity
- ☐ Batch plants for recycling of materials and subsequent re-use
- ☐ The disposal of any (erodible or non-erodible) materials in an existing shed at any public transportation facility to which the material will be stored for later re-use
- ☐ Existing, in-use gravel pits which have an Act 250 Permit as long as the use does not modify the conditions of said permit (Act 250 Permit # provided by Contractor)
- ☑ Existing, in-use, commercial gravel pits that are "Grandfathered" from the Act 250 Permit Review Process as long as a landowner signature is provided
- ☐ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits
- ☐ The disposal of hazardous materials at a facility which has been reviewed and approved by the Agency's Hazardous Materials Specialist

Project Name: _____

Proposed Area Name: Brows Sand Pit Pit opened 1950

Landowner Signature: Charles W. Brown

Act 250 Permit # (for Existing, In-use sites) _____

Act 250 Grandfathered Signature Charles W. Brown
(Owner or authorized representative)

OFF-SITE ACTIVITY EXEMPTION RECORD

To be completed by the Contractor and filed with the Resident Engineer.
Check the appropriate exemption category from the boxes below.

Staging Area Exemptions

The placement of construction trailers, equipment, and/or non-erodible materials

- ☐ On existing paved or gravel surfaces which will not require any additional earth disturbance

Borrow Site Exemptions

- ☐ Existing, in-use gravel pits which have an Act 250 Permit as long as the use does not modify the conditions of said permit (Act 250 Permit # provided by Contractor)
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- ☒ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits

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- ☒ The use of project generated Solid Wastes to build the same project, or another project owned by the same entity
- ☐ Batch plants for recycling of materials and subsequent re-use
- ☐ The disposal of any (erodible or non-erodible) materials in an existing shed at any public transportation facility to which the material will be stored for later re-use
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- ☐ Existing, in-use, commercial gravel pits that are "Grandfathered" from the Act 250 Permit Review Process as long as a landowner signature is provided
- ☒ Inter-project Material Usage - The use of surplus materials from one project as borrow for another in which the owner and contractor are the same in both projects and neither involve work outside the respective contract construction limits
- ☐ The disposal of hazardous materials at a facility which has been reviewed and approved by the Agency's Hazardous Materials Specialist

Project Name: _____

Proposed Area Name: _____

Landowner Signature: _____

Act 250 Permit # (for Existing, In-use sites) _____

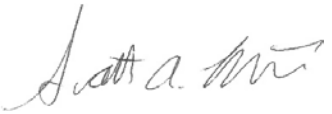
Act 250 Grandfathered Signature _____
(Owner or authorized representative)

APPENDIX E
EPSC PLAN REVISION DOCUMENTATION FORM

EPSC Plan Revision Documentation Form

This Erosion Prevention and Sediment Control Plan (EPSC Plan) should be revised and updated to address changes in site conditions, new or revised government regulations, and additional on-site stormwater and erosion controls.

All revisions to the EPSC Plan must be documented on the EPSC Plan Revision Documentation Form, which should include the information shown below. The authorized facility representative who approves the EPSC Plan should be an individual at or near the top of the facility's management organization, such as the president, vice president, construction manager or supervisor, on-site coordinator, or environmental manager. The signature of this representative attests that the EPSC Plan revision information is true and accurate. Previous authors and facility representatives are not responsible for the revisions.

Revision Number	Description of the Revision	Date	Revision Preparer	Company Representative Signature
Originally Issued	Draft	June 4, 2015	Pathways Consulting, LLC	 Scott A. Williams, P.E.
1	Submitted to VTrans	June 8, 2015	Pathways Consulting, LLC	 Scott A. Williams, P.E
2	Final Revisions per VTrans	???, 2015	Pathways Consulting, LLC	 Scott A. Williams, P.E
3				
4				
5				

GENERAL NOTES:

1. REFERENCE MADE TO PLANS PREPARED FOR THE STATE OF VERMONT AGENCY OF TRANSPORTATION BY VANASSE HANGEN BRUSTLIN, INC., "PROPOSED IMPROVEMENT, BRIDGE PROJECT, TOWN OF CASTLETON, COUNTY OF RUTLAND, VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO. 93," SHEET 69 TO 80, DATED 09/18/14, PROJECT NUMBER BRF 015-2(10).
2. IN THE EVENT OF CONFLICT BETWEEN DETAILS, EROSION CONTROLS AND/OR RELATED NOTES SHOWN ON PATHWAYS EPSC PLANS AND VTRANS CONTRACT DOCUMENTS, CONTRACT DOCUMENTS SHALL GOVERN EXCEPT WHERE MORE STRINGENT REGULATORY REQUIREMENTS APPLY.

N

VT STATE PLANE GRID

TOWN OF CASTLETON

CLARENDON & PITTSFORD RR

RIDER, JOYCE

BROWN, CHARLES W. & MARY LOU

STATE OF VERMONT

INSTALL PROJECT DEMARCATION FENCE ALONG LIMITS OF PROJECT (TYP.)

INSTALL SILT FENCE ON DOWNGRADIENT SIDE OF DISTURBANCES (TYP.)

APPROVED OFF-SITE TEMPORARY STAGING AREA TO BE USED DURING ALL PHASES OF CONSTRUCTION. AT A MINIMUM, PERIMETER CONSTRUCTION FENCE AND EROSION CONTROLS SHALL BE INSTALLED AROUND THIS AREA. INSTALL ADDITIONAL STORMWATER AND SEDIMENT CONTROLS AND CRUSHED STONE SURFACE STABILIZATION, AS NEEDED.

APPROVED TEMPORARY IMPACT (FOR STAGING AND ACCESS) = 7,400 SF

INSTALL STABILIZED CONSTRUCTION ENTRANCE TO CONTAIN SEDIMENT TRACKING DURING CONSTRUCTION.

BEGIN BRIDGE
STA. 66+00.54
FG 410.84

END BRIDGE
STA. 66+70.64
FG 413.40

BEGIN APPROACH
STA. 63+90.00

END PROJECT
STA. 68+55.00

BEGIN PROJECT
STA. 64+70.00

END APPROACH
STA. 69+35.00

TO ROUTE 30

TO CASTLETON

VT ROUTE 30

TRAFFIC CONTROLS FOR TEMPORARY LANE CLOSURE DURING INITIAL SITE SET-UP PER APPROVED TRAFFIC CONTROL PAN (TYP.)

INSTALL PROJECT DEMARCATION FENCE ALONG LIMITS OF PROJECT (TYP.)

INSTALL SILT FENCE ON DOWNGRADIENT SIDE OF DISTURBANCES (TYP.)

APPROVED TEMPORARY IMPACT (FOR STAGING AND ACCESS) = 3,600 SF

APPROVED OFF-SITE TEMPORARY ACCESS AREA TO BE USED DURING ALL PHASES OF CONSTRUCTION. EXISTING GRAVEL ACCESS ROAD TO BE IMPROVED AND WIDENED FOR CONSTUCTION VEHICLES. AT A MINIMUM, PERIMETER CONSTRUCTION FENCE AND EROSION CONTROLS SHALL BE INSTALLED AROUND THIS AREA. INSTALL ADDITIONAL STORMWATER AND SEDIMENT CONTROLS AND CRUSHED STONE SURFACE STABILIZATION, AS NEEDED.

APPROVED OFF-SITE TEMPORARY STAGING AREA TO BE USED DURING ALL PHASES OF CONSTRUCTION. AT A MINIMUM, PERIMETER CONSTRUCTION FENCE AND EROSION CONTROLS SHALL BE INSTALLED AROUND THIS AREA. INSTALL ADDITIONAL STORMWATER AND SEDIMENT CONTROLS AND CRUSHED STONE SURFACE STABILIZATION, AS NEEDED.

APPROVED TEMPORARY IMPACT (FOR STAGING AND ACCESS) = 27,100 SF

INSTALL PROJECT DEMARCATION FENCE ALONG LIMITS OF PROJECT (TYP.)

INSTALL SILT FENCE ON DOWNGRADIENT SIDE OF DISTURBANCES (TYP.)

KEY TO EROSION CONTROL SYMBOLS:

INLET PROTECTION	PROJECT DEMARCATION FENCE
SILT FENCE	TEMPORARY STAGING AREAS
WOVEN-WIRE SILT FENCE	MULCH OR MULCH NETTING
STONE CHECK DAM	STABILIZED CONSTRUCTION ENTRANCE
DIRECTION OF FLOW ARROW	TEMPORARY/PERMANENT STONE FILL

PHASE 1 – ROADWAY SITE PREPARATION (VTRANS SHEET 69)

0 25' 50' 75' 100' 125'

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

EROSION PREVENTION AND SEDIMENT CONTROL PLAN (PHASE 1 – ROADWAY) FOR W.M. SCHULTZ CONSTRUCTION, INC.

VERMONT AGENCY OF TRANSPORTATION - CASTLETON BRF 015-2(10)

VERMONT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: 1"= 40'	
DESIGNED BY: SAW	
DRAWN BY: SAW	
CHECKED BY: SAW	
DATE: 06/08/15	
PROJ. NO. 12563	SHEET 1 OF 10

1

GENERAL NOTES:

1. REFERENCE MADE TO PLANS PREPARED FOR THE STATE OF VERMONT AGENCY OF TRANSPORTATION BY VANASSE HANGEN BRUSTLIN, INC., "PROPOSED IMPROVEMENT, BRIDGE PROJECT, TOWN OF CASTLETON, COUNTY OF RUTLAND, VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO. 93," SHEET 69 TO 80, DATED 09/18/14, PROJECT NUMBER BRF 015-2(10).
2. IN THE EVENT OF CONFLICT BETWEEN DETAILS, EROSION CONTROLS AND/OR RELATED NOTES SHOWN ON PATHWAYS EPSC PLANS AND VTRANS CONTRACT DOCUMENTS, CONTRACT DOCUMENTS SHALL GOVERN EXCEPT WHERE MORE STRINGENT REGULATORY REQUIREMENTS APPLY.

ON-SITE CONSTRUCTION STAGING AREA:
STAGING FOR BRIDGE REMOVAL AND REPLACEMENT ANTICIPATED WITHIN EXISTING ROADWAY AND SHOULDER AREAS, WITH THE EXCEPTION OF APPROVED OFF-SITE AREAS. RELATED WORK WILL TAKE PLACE DURING LIMITED DURATION ROAD CLOSURE. TRAFFIC CONTROLS PER APPROVED TRAFFIC CONTROL PLAN. AREA SHALL HAVE PERIMETER EROSION CONTROLS (SILT FENCE AND/OR TURBIDITY BARRIERS), CRUSHED STONE ON SURFACE WHERE PAVEMENT IS REMOVED (AS NEEDED), AND SEPARATE PERIMETER EROSION CONTROLS FOR ANY EARTHEN MATERIAL STORAGE/STOCKPILING THAT WILL OCCUR WITHIN THIS AREA.

VT STATE PLANE GRID

APPROVED OFF-SITE TEMPORARY STAGING AREA TO BE USED DURING ALL PHASES OF CONSTRUCTION. AT A MINIMUM, PERIMETER CONSTRUCTION FENCE AND EROSION CONTROLS SHALL BE INSTALLED AROUND THIS AREA. INSTALL ADDITIONAL STORMWATER AND SEDIMENT CONTROLS AND CRUSHED STONE SURFACE STABILIZATION, AS NEEDED.

APPROVED TEMPORARY IMPACT (FOR STAGING AND ACCESS) = 7,400 SF

INSTALL TEMPORARY STABILIZATION ON ALL AREAS DISTURBED DURING CONSTRUCTION INCLUDING SEED, MULCH AND/OR MULCH NETTING (TYP.)

MAINTAIN PROJECT DEMARCATION FENCE ALONG LIMITS OF PROJECT DURING PHASE 2 (TYP.)

MAINTAIN SILT FENCE ON DOWNGRADIENT SIDE OF DISTURBANCES DURING PHASE 2 (TYP.)

MAINTAIN STABILIZED CONSTRUCTION ENTRANCE DURING PHASE 2 TO CONTAIN SEDIMENT TRACKING DURING CONSTRUCTION.

INSTALL STABILIZED CONSTRUCTION ENTRANCE ONLY IF PAVEMENT REMOVED. SHORT TRACKING PAD MAY STILL BE NEEDED EVEN IF PAVEMENT LEFT IN PLACE.

BEGIN BRIDGE STA. 66+00.54 FG 410.84

END BRIDGE STA. 66+70.64 FG 413.40

BEGIN APPROACH STA. 63+90.00

END PROJECT STA. 68+55.00

BEGIN PROJECT STA. 64+70.00

PROPOSED DISPOSAL AREA FOR PLACING SURPLUS FILL MATERIALS

APPROVED TEMPORARY IMPACT (FOR STAGING AND ACCESS) = 3,600 SF

APPROVED OFF-SITE TEMPORARY ACCESS AREA TO BE USED DURING ALL PHASES OF CONSTRUCTION. EXISTING GRAVEL ACCESS ROAD TO BE IMPROVED AND WIDENED FOR CONSTUCTION VEHICLES. AT A MINIMUM, PERIMETER CONSTRUCTION FENCE AND EROSION CONTROLS SHALL BE INSTALLED AROUND THIS AREA. INSTALL ADDITIONAL STORMWATER AND SEDIMENT CONTROLS AND CRUSHED STONE SURFACE STABILIZATION, AS NEEDED.

INSTALL SILT FENCE ON DOWNGRADIENT SIDE OF DISPOSAL AREA, AS NEEDED.

APPROVED OFF-SITE TEMPORARY STAGING AREA TO BE USED DURING ALL PHASES OF CONSTRUCTION. AT A MINIMUM, PERIMETER CONSTRUCTION FENCE AND EROSION CONTROLS SHALL BE INSTALLED AROUND THIS AREA. INSTALL ADDITIONAL STORMWATER AND SEDIMENT CONTROLS AND CRUSHED STONE SURFACE STABILIZATION, AS NEEDED.

APPROVED TEMPORARY IMPACT (FOR STAGING AND ACCESS) = 27,100 SF

KEY TO EROSION CONTROL SYMBOLS:

- INLET PROTECTION
- SILT FENCE (SF)
- WOVEN-WIRE SILT FENCE
- STONE CHECK DAM
- DIRECTION OF FLOW ARROW
- PROJECT DEMARCATION FENCE (PDF)
- TEMPORARY STAGING AREAS
- MULCH OR MULCH NETTING
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY/PERMANENT STONE FILL

PHASE 2 - BRIDGE REMOVAL/REPLACEMENT (VTRANS SHEET 70)

0 25' 50' 75' 100' 125'

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

EROSION PREVENTION AND SEDIMENT CONTROL PLAN (PHASE 2 - ROADWAY) FOR W.M. SCHULTZ CONSTRUCTION, INC.

VERMONT AGENCY OF TRANSPORTATION - CASTLETON BRF 015-2(10)

VERMONT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE:	1"= 40'
DESIGNED BY:	SAW
DRAWN BY:	SAW
CHECKED BY:	SAW
DATE:	06/08/15
PROJ. NO.	12563

GENERAL NOTES:

1. REFERENCE MADE TO PLANS PREPARED FOR THE STATE OF VERMONT AGENCY OF TRANSPORTATION BY VANASSE HANGEN BRUSTLIN, INC., "PROPOSED IMPROVEMENT, BRIDGE PROJECT, TOWN OF CASTLETON, COUNTY OF RUTLAND, VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO. 93," SHEET 69 TO 80, DATED 09/18/14, PROJECT NUMBER BRF 015-2(10).
2. IN THE EVENT OF CONFLICT BETWEEN DETAILS, EROSION CONTROLS AND/OR RELATED NOTES SHOWN ON PATHWAYS EPSC PLANS AND VTRANS CONTRACT DOCUMENTS, CONTRACT DOCUMENTS SHALL GOVERN EXCEPT WHERE MORE STRINGENT REGULATORY REQUIREMENTS APPLY.

N

VT STATE PLANE GRID

INSTALL STONE FILL AS PERMANENT STABILIZATION ON ALL DISTURBED AREAS AS SPECIFIED ON PROJECT PLANS

RESTORE ALL DISTURBED AREAS TO AS CLOSE TO PREVIOUSLY EXISTING CONDITION AS POSSIBLE. PERMANENT STABILIZATION MEASURES SHALL INCLUDE SEED, MULCH AND/OR MULCH NETTING, IN ACCORDANCE WITH CONTRACT ADMINISTRATOR AND PROPERTY OWNER (WHERE APPLICABLE)

MAINTAIN SILT FENCE ALONG WORK LIMITS UNTIL ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED (TYP.)

INSTALL STONE FILL AS PERMANENT STABILIZATION ON ALL DISTURBED AREAS AS SPECIFIED ON PROJECT PLANS

INSTALL STONE FILL AS PERMANENT STABILIZATION ON ALL DISTURBED AREAS AS SPECIFIED ON PROJECT PLANS

INSTALL PERMANENT STABILIZATION MEASURES ON ALL DISTURBED AREAS INCLUDING SEED, MULCH AND/OR MULCH NETTING (TYP.)

MAINTAIN SILT FENCE ALONG WORK LIMITS UNTIL ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED (TYP.)

RESTORE ALL DISTURBED AREAS TO AS CLOSE TO PREVIOUSLY EXISTING CONDITION AS POSSIBLE. PERMANENT STABILIZATION MEASURES SHALL INCLUDE SEED, MULCH AND/OR MULCH NETTING, IN ACCORDANCE WITH CONTRACT ADMINISTRATOR AND PROPERTY OWNER (WHERE APPLICABLE)

PROPOSED DISPOSAL AREA FOR PLACING SURPLUS FILL MATERIALS

INSTALL PERMANENT STABILIZATION ON DISPOSAL AREA INCLUDING SEED, MULCH AND/OR MULCH NETTING (TYP.)

MAINTAIN SILT FENCE ALONG WORK LIMITS UNTIL ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED (TYP.)

RESTORE ALL DISTURBED AREAS TO AS CLOSE TO PREVIOUSLY EXISTING CONDITION AS POSSIBLE. PERMANENT STABILIZATION MEASURES SHALL INCLUDE SEED, MULCH AND/OR MULCH NETTING, IN ACCORDANCE WITH CONTRACT ADMINISTRATOR AND PROPERTY OWNER (WHERE APPLICABLE)

MAINTAIN SILT FENCE ALONG WORK LIMITS UNTIL ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED (TYP.)

BEGIN BRIDGE STA. 66+00.54 FG 410.84

END BRIDGE STA. 66+70.64 FG 413.40

BEGIN APPROACH STA. 63+90.00

END PROJECT STA. 68+55.00

END APPROACH STA. 69+25.00

BEGIN PROJECT STA. 64+70.00

PERMANENT STEEL SHEET PILING (TYP.)

STONE FILL, TYPE I (TYP.)

CASTLETON RIVER

RIPARIAN BUFFER

CLASS II WETLAND

CLASS II WETLAND BUFFER

CLARENDON & PITTSFORD RAILROAD

VT ROUTE 30

TO HYDEVILLE

TO ROUTLEY

TO CASTLETON

KEY TO EROSION CONTROL SYMBOLS:

- INLET PROTECTION
- SILT FENCE
- WOVEN-WIRE SILT FENCE
- STONE CHECK DAM
- DIRECTION OF FLOW ARROW
- PROJECT DEMARCATION FENCE
- TEMPORARY STAGING AREAS
- MULCH OR MULCH NETTING
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY/PERMANENT STONE FILL

PHASE 4 – FINAL SITE RESTORATION FOR ROADWAY (VTRANS SHEET 71)

0 25' 50' 75' 100' 125'

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

EROSION PREVENTION AND SEDIMENT CONTROL PLAN (PHASE 4 – ROADWAY) FOR W.M. SCHULTZ CONSTRUCTION, INC.

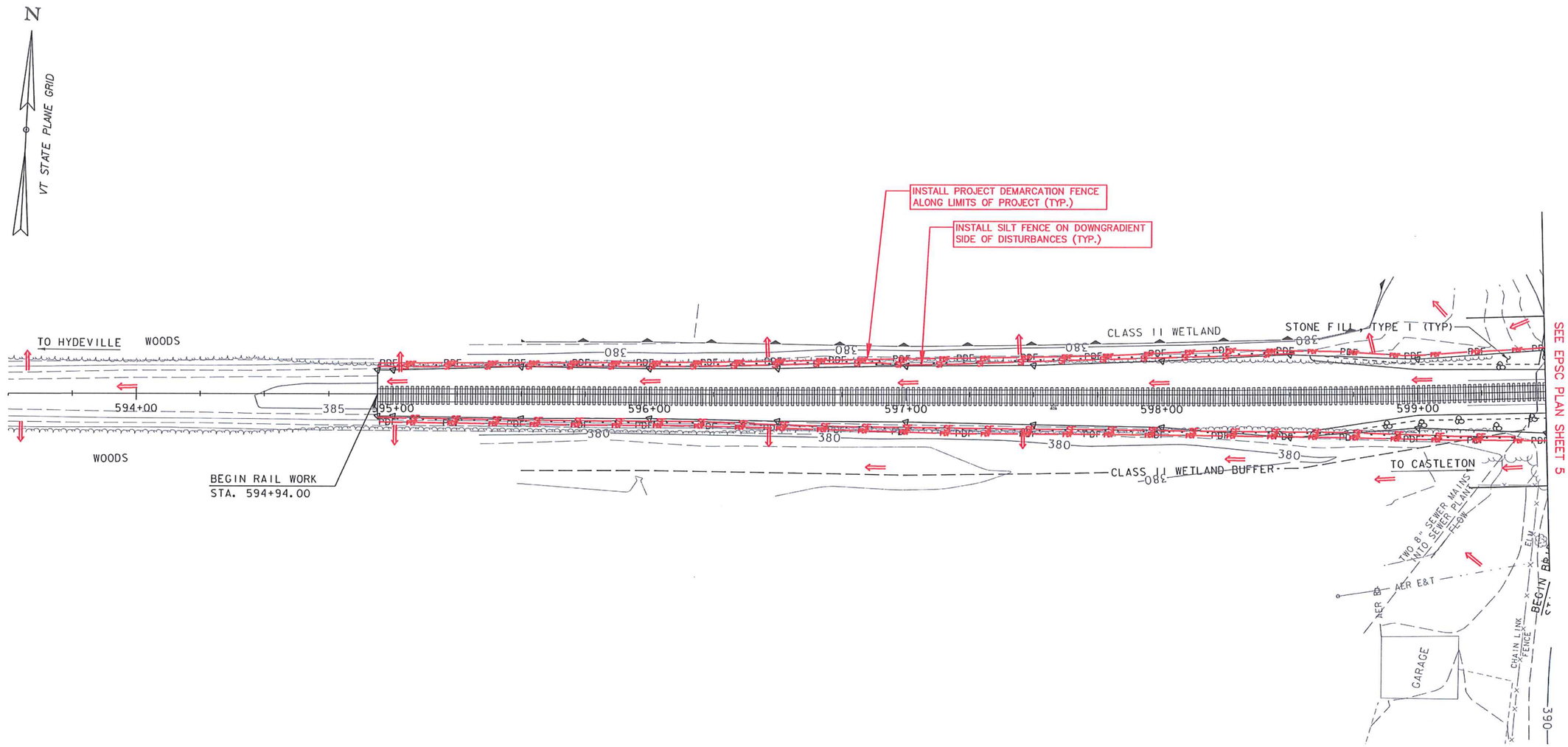
VERMONT AGENCY OF TRANSPORTATION - CASTLETON BRF 015-2(10)

VERMONT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: 1"= 40'	
DESIGNED BY: SAW	
DRAWN BY: SAW	
CHECKED BY: SAW	
DATE: 06/08/15	
PROJ. NO. 12563	SHEET 3 OF 10

3



KEY TO EROSION CONTROL SYMBOLS:

- INLET PROTECTION
- SF — SILT FENCE
- WOVEN-WIRE SILT FENCE
- STONE CHECK DAM
- DIRECTION OF FLOW ARROW
- PDF — PROJECT DEMARCATION FENCE
- TEMPORARY STAGING AREAS
- MULCH OR MULCH NETTING
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY/PERMANENT STONE FILL

GENERAL NOTES:

1. REFERENCE MADE TO PLANS PREPARED FOR THE STATE OF VERMONT AGENCY OF TRANSPORTATION BY VANASSE HANGEN BRUSTLIN, INC., "PROPOSED IMPROVEMENT, BRIDGE PROJECT, TOWN OF CASTLETON, COUNTY OF RUTLAND, VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO. 93," SHEET 69 TO 80, DATED 09/18/14, PROJECT NUMBER BRF 015-2(10).
2. IN THE EVENT OF CONFLICT BETWEEN DETAILS, EROSION CONTROLS AND/OR RELATED NOTES SHOWN ON PATHWAYS EPSC PLANS AND VTRANS CONTRACT DOCUMENTS, CONTRACT DOCUMENTS SHALL GOVERN EXCEPT WHERE MORE STRINGENT REGULATORY REQUIREMENTS APPLY.

PHASE 3 – RAILROAD WORK
(VTRANS SHEET 75)

0 25' 50' 75' 100' 125'

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

EROSION PREVENTION AND SEDIMENT CONTROL PLAN (PHASE 3 – RAILROAD #1) FOR W.M. SCHULTZ CONSTRUCTION, INC.

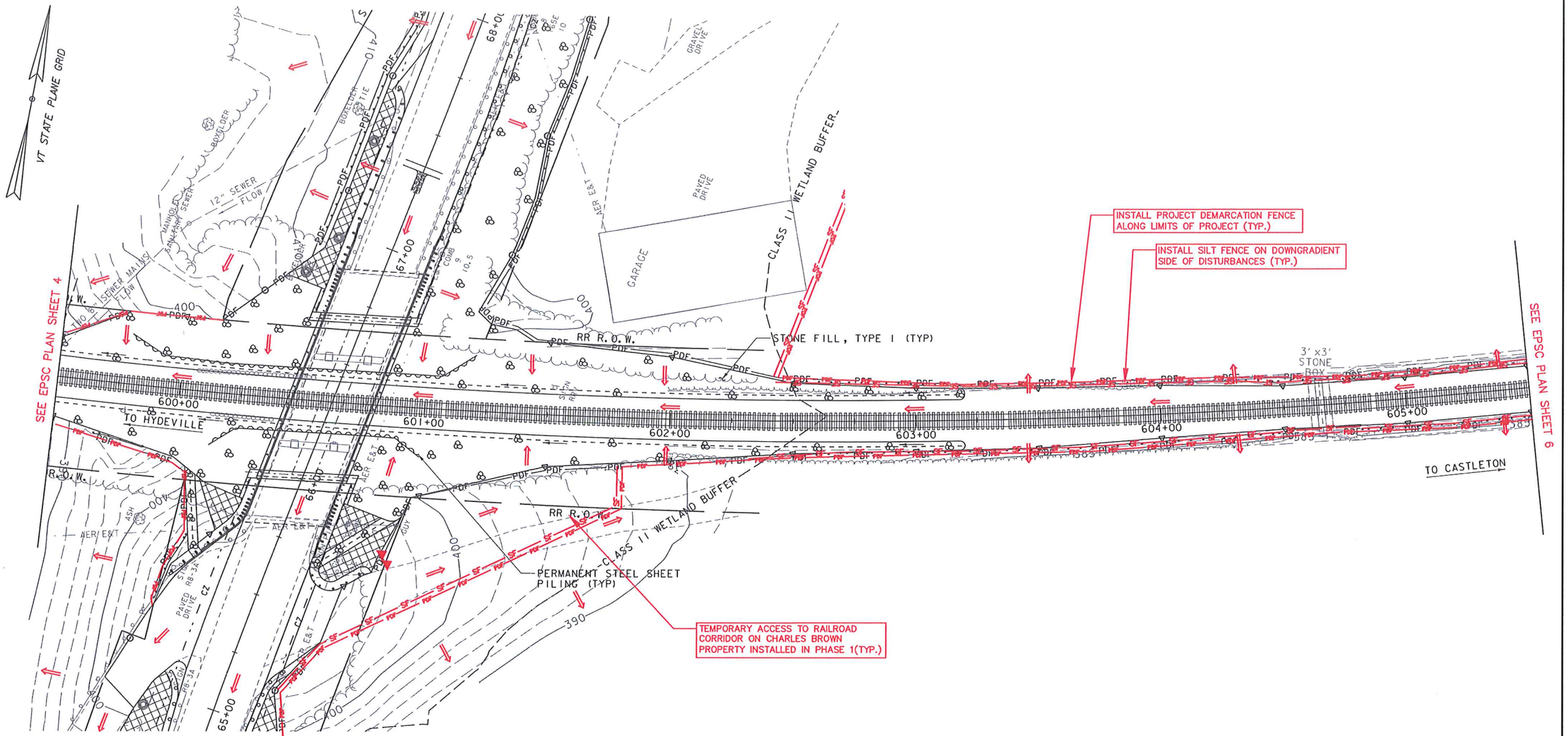
VERMONT AGENCY OF TRANSPORTATION - CASTLETON BRF 015-2(10)

VERMONT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: 1"= 40'	
DESIGNED BY: SAW	
DRAWN BY: SAW	
CHECKED BY: SAW	
DATE: 06/08/15	
PROJ. NO. 12563	SHEET 4 OF 10

4



KEY TO EROSION CONTROL SYMBOLS:

INLET PROTECTION	PROJECT DEMARCATION FENCE
SILT FENCE	TEMPORARY STAGING AREAS
WOVEN-WIRE SILT FENCE	MULCH OR MULCH NETTING
STONE CHECK DAM	STABILIZED CONSTRUCTION ENTRANCE
DIRECTION OF FLOW ARROW	TEMPORARY/PERMANENT STONE FILL

GENERAL NOTES:

1. REFERENCE MADE TO PLANS PREPARED FOR THE STATE OF VERMONT AGENCY OF TRANSPORTATION BY VANASSE HANGEN BRUSTLIN, INC., "PROPOSED IMPROVEMENT, BRIDGE PROJECT, TOWN OF CASTLETON, COUNTY OF RUTLAND, VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO. 93," SHEET 69 TO 80, DATED 09/18/14, PROJECT NUMBER BRF 015-2(10).
2. IN THE EVENT OF CONFLICT BETWEEN DETAILS, EROSION CONTROLS AND/OR RELATED NOTES SHOWN ON PATHWAYS EPSC PLANS AND VTRANS CONTRACT DOCUMENTS, CONTRACT DOCUMENTS SHALL GOVERN EXCEPT WHERE MORE STRINGENT REGULATORY REQUIREMENTS APPLY.

PHASE 3 – RAILROAD WORK
(VTRANS SHEET 76)

0 25' 50' 75' 100' 125'

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

EROSION PREVENTION AND SEDIMENT CONTROL PLAN (PHASE 3 – RAILROAD #2) FOR W.M. SCHULTZ CONSTRUCTION, INC.

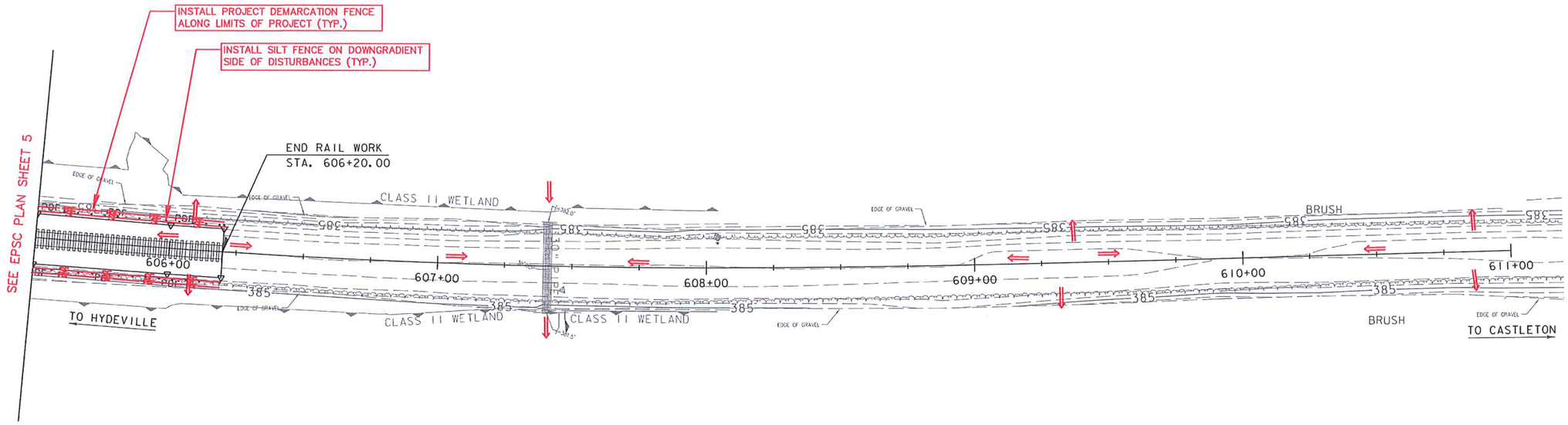
VERMONT AGENCY OF TRANSPORTATION - CASTLETON BRF 015-2(10)

VERMONT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: 1"= 40'	5
DESIGNED BY: SAW	
DRAWN BY: SAW	
CHECKED BY: SAW	
DATE: 06/08/15	
PROJ. NO. 12563	SHEET 5 OF 10

VT STATE PLANE GRID



KEY TO EROSION CONTROL SYMBOLS:

- INLET PROTECTION
- SF — SILT FENCE
- WOVEN-WIRE SILT FENCE
- STONE CHECK DAM
- DIRECTION OF FLOW ARROW
- PDF — PROJECT DEMARCATION FENCE
- TEMPORARY STAGING AREAS
- MULCH OR MULCH NETTING
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY/PERMANENT STONE FILL

GENERAL NOTES:

1. REFERENCE MADE TO PLANS PREPARED FOR THE STATE OF VERMONT AGENCY OF TRANSPORTATION BY VANASSE HANGEN BRUSTLIN, INC., "PROPOSED IMPROVEMENT, BRIDGE PROJECT, TOWN OF CASTLETON, COUNTY OF RUTLAND, VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO. 93," SHEET 69 TO 80, DATED 09/18/14, PROJECT NUMBER BRF 015-2(10).
2. IN THE EVENT OF CONFLICT BETWEEN DETAILS, EROSION CONTROLS AND/OR RELATED NOTES SHOWN ON PATHWAYS EPSC PLANS AND VTRANS CONTRACT DOCUMENTS, CONTRACT DOCUMENTS SHALL GOVERN EXCEPT WHERE MORE STRINGENT REGULATORY REQUIREMENTS APPLY.

PHASE 3 – RAILROAD WORK
(VTRANS SHEET 77)

0 25' 50' 75' 100' 125'

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

EROSION PREVENTION AND SEDIMENT CONTROL PLAN (PHASE 3 – RAILROAD #3) FOR W.M. SCHULTZ CONSTRUCTION, INC.

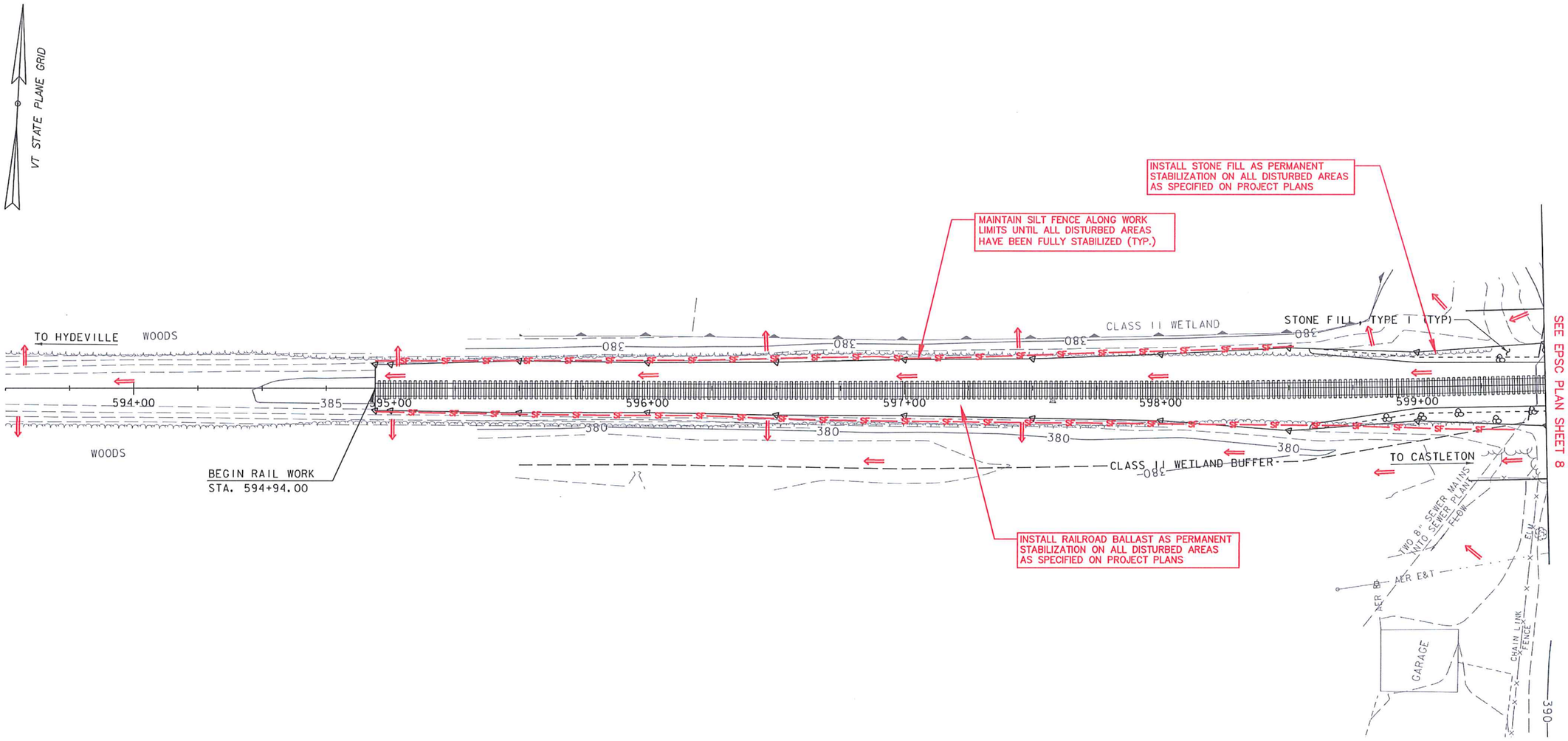
VERMONT AGENCY OF TRANSPORTATION - CASTLETON BRF 015-2(10)

VERMONT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: 1"= 40'	
DESIGNED BY: SAW	
DRAWN BY: SAW	
CHECKED BY: SAW	
DATE: 06/08/15	
PROJ. NO. 12563	SHEET 6 OF 10

6



KEY TO EROSION CONTROL SYMBOLS:

INLET PROTECTION	PROJECT DEMARCATION FENCE
SILT FENCE	TEMPORARY STAGING AREAS
WOVEN-WIRE SILT FENCE	MULCH OR MULCH NETTING
STONE CHECK DAM	STABILIZED CONSTRUCTION ENTRANCE
DIRECTION OF FLOW ARROW	TEMPORARY/PERMANENT STONE FILL

GENERAL NOTES:

1. REFERENCE MADE TO PLANS PREPARED FOR THE STATE OF VERMONT AGENCY OF TRANSPORTATION BY VANASSE HANGEN BRUSTLIN, INC., "PROPOSED IMPROVEMENT, BRIDGE PROJECT, TOWN OF CASTLETON, COUNTY OF RUTLAND, VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO. 93," SHEET 69 TO 80, DATED 09/18/14, PROJECT NUMBER BRF 015-2(10).
2. IN THE EVENT OF CONFLICT BETWEEN DETAILS, EROSION CONTROLS AND/OR RELATED NOTES SHOWN ON PATHWAYS EPSC PLANS AND VTRANS CONTRACT DOCUMENTS, CONTRACT DOCUMENTS SHALL GOVERN EXCEPT WHERE MORE STRINGENT REGULATORY REQUIREMENTS APPLY.

PHASE 4 – FINAL RESTORATION OF RAILROAD WORK AREA (VTRANS SHEET 78)

0 25' 50' 75' 100' 125'

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

EROSION PREVENTION AND SEDIMENT CONTROL PLAN (PHASE 4 – RAILROAD #1) FOR W.M. SCHULTZ CONSTRUCTION, INC.

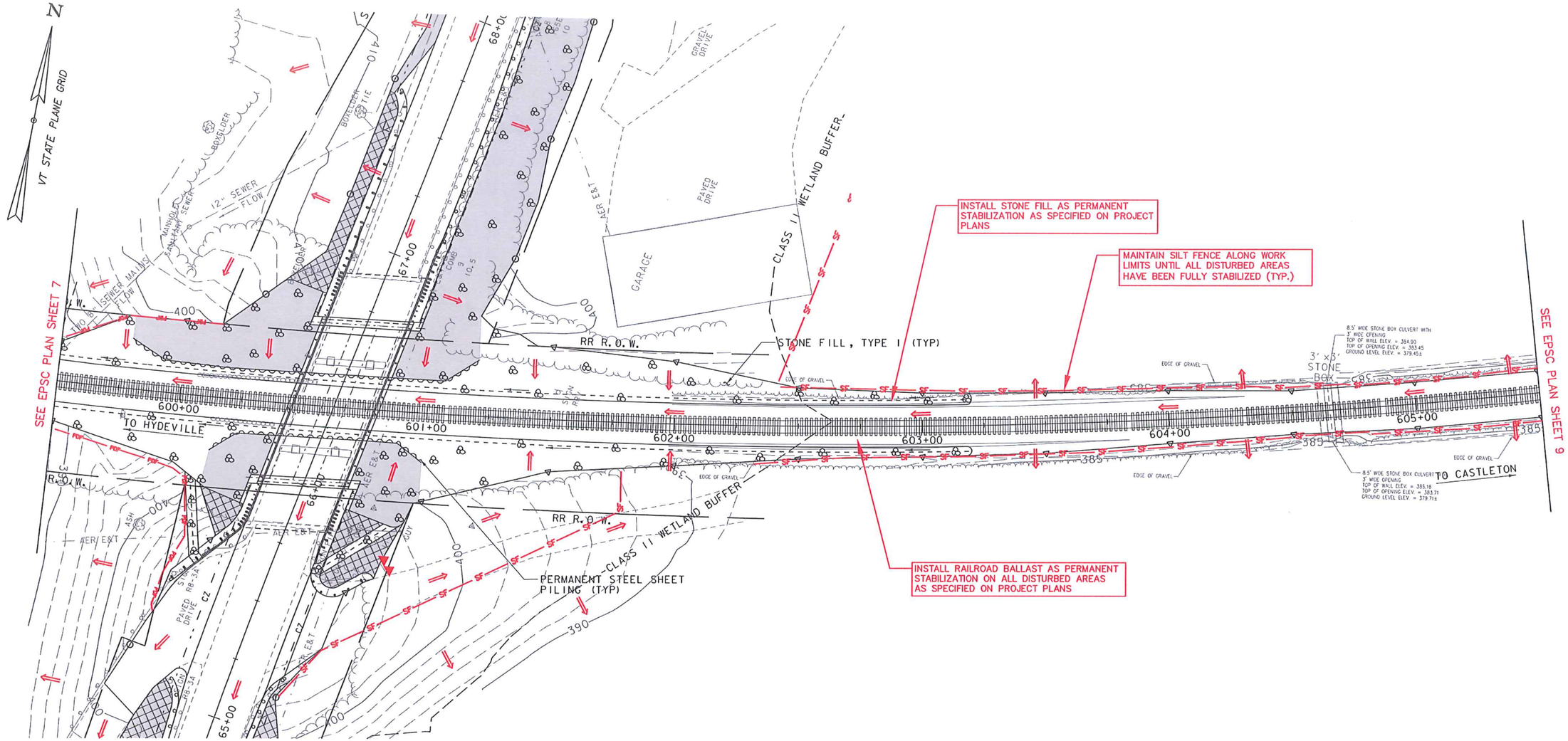
VERMONT AGENCY OF TRANSPORTATION - CASTLETON BRF 015-2(10)

VERMONT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: 1"= 40'	
DESIGNED BY: SAW	
DRAWN BY: SAW	
CHECKED BY: SAW	
DATE: 06/08/15	
PROJ. NO. 12563	SHEET 7 OF 10

7



KEY TO EROSION CONTROL SYMBOLS:

- INLET PROTECTION
- SF — SILT FENCE
- WOVEN-WIRE SILT FENCE
- STONE CHECK DAM
- DIRECTION OF FLOW ARROW
- PDF — PROJECT DEMARCATION FENCE
- TEMPORARY STAGING AREAS
- MULCH OR MULCH NETTING
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY/PERMANENT STONE FILL

GENERAL NOTES:

1. REFERENCE MADE TO PLANS PREPARED FOR THE STATE OF VERMONT AGENCY OF TRANSPORTATION BY VANASSE HANGEN BRUSTLIN, INC., "PROPOSED IMPROVEMENT, BRIDGE PROJECT, TOWN OF CASTLETON, COUNTY OF RUTLAND, VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO. 93," SHEET 69 TO 80, DATED 09/18/14, PROJECT NUMBER BRF 015-2(10).
2. IN THE EVENT OF CONFLICT BETWEEN DETAILS, EROSION CONTROLS AND/OR RELATED NOTES SHOWN ON PATHWAYS EPSC PLANS AND VTRANS CONTRACT DOCUMENTS, CONTRACT DOCUMENTS SHALL GOVERN EXCEPT WHERE MORE STRINGENT REGULATORY REQUIREMENTS APPLY.

PHASE 4 – FINAL RESTORATION OF RAILROAD WORK AREA (VTRANS SHEET 79)

0 25' 50' 75' 100' 125'

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

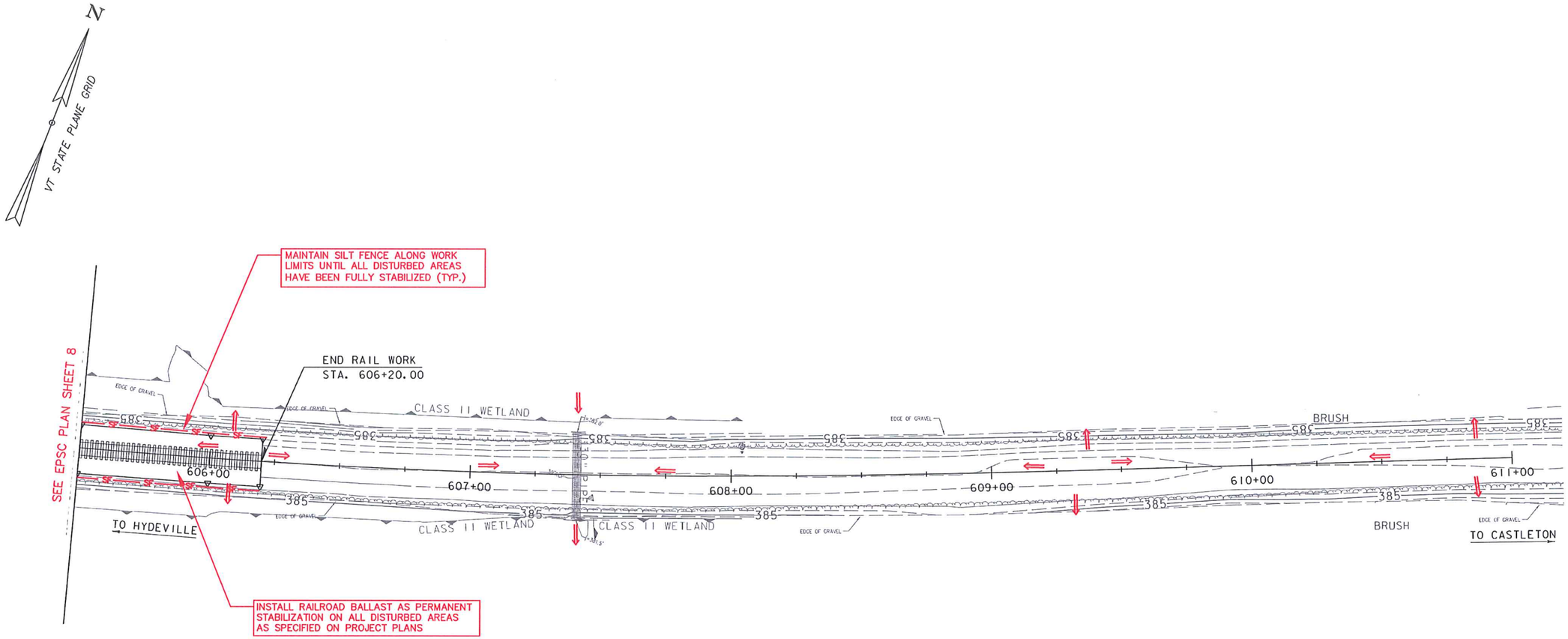
EROSION PREVENTION AND SEDIMENT CONTROL PLAN (PHASE 4 – RAILROAD #2) FOR W.M. SCHULTZ CONSTRUCTION, INC.

VERMONT AGENCY OF TRANSPORTATION - CASTLETON BRF 015-2(10)

VERMONT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: 1"= 40'	8
DESIGNED BY: SAW	
DRAWN BY: SAW	
CHECKED BY: SAW	
DATE: 06/08/15	
PROJ. NO. 12563	SHEET 8 OF 10



KEY TO EROSION CONTROL SYMBOLS:

◇	INLET PROTECTION	—PDF—	PROJECT DEMARCATION FENCE
—SF—	SILT FENCE		TEMPORARY STAGING AREAS
~~	WOVEN-WIRE SILT FENCE		MULCH OR MULCH NETTING
◀	STONE CHECK DAM		STABILIZED CONSTRUCTION ENTRANCE
⟸	DIRECTION OF FLOW ARROW		TEMPORARY/PERMANENT STONE FILL

GENERAL NOTES:

1. REFERENCE MADE TO PLANS PREPARED FOR THE STATE OF VERMONT AGENCY OF TRANSPORTATION BY VANASSE HANGEN BRUSTLIN, INC., "PROPOSED IMPROVEMENT, BRIDGE PROJECT, TOWN OF CASTLETON, COUNTY OF RUTLAND, VT ROUTE 30 (RURAL MINOR ARTERIAL), BRIDGE NO. 93," SHEET 69 TO 80, DATED 09/18/14, PROJECT NUMBER BRF 015-2(10).
2. IN THE EVENT OF CONFLICT BETWEEN DETAILS, EROSION CONTROLS AND/OR RELATED NOTES SHOWN ON PATHWAYS EPSC PLANS AND VTRANS CONTRACT DOCUMENTS, CONTRACT DOCUMENTS SHALL GOVERN EXCEPT WHERE MORE STRINGENT REGULATORY REQUIREMENTS APPLY.

PHASE 4 – FINAL RESTORATION OF RAILROAD WORK AREA (VTRANS SHEET 80)

0 25' 50' 75' 100' 125'

REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

EROSION PREVENTION AND SEDIMENT CONTROL PLAN (PHASE 4 – RAILROAD #3) FOR W.M. SCHULTZ CONSTRUCTION, INC.

VERMONT AGENCY OF TRANSPORTATION - CASTLETON BRF 015-2(10)

VERMONT ROUTE 30 AND CLARENDON & PITTSFORD RAILROAD, CASTLETON, VERMONT

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: 1"= 40'	9
DESIGNED BY: SAW	
DRAWN BY: SAW	
CHECKED BY: SAW	
DATE: 06/08/15	
PROJ. NO. 12563	SHEET 9 OF 10