VT Compliance Monitoring, LLC
mmontgomery@compliancevt.com
PO Box 213
Huntington, VT 05462

4/4/2016

William Farley, P.E., CPESC
Construction Environmental Engineer
Vermont Agency of Transportation
One National Life Drive, Drawer 33
Montpelier, VT 05633-5001

RE: Huntington BRO 1445 (35)
Bridge 30 Replacement on Camel's Hump Road (TH 22) over Brush Brook
Contractor Erosion Prevention & Sediment Control Plan

Dear Bill:

On behalf of Parent Construction, Inc. and their upcoming project in Huntington, I am submitting supplemental Erosion Prevention & Sediment Control (EPSC) details and modified plan sheets for your review. These additional narrative sections and concept plan sheets satisfy contract special provision item 652.10. Measures also comply with VT DEC Standards and Specifications for EPSC on 'Low-Risk' projects.

Parent anticipates that less than an acre of land area is required to accomplish the work so coverage under Vermont's Construction General Permit will not be required.

Project Summary

The project involves the replacement of Bridge number 30 over Brush Brook on the Class 3 Camel's Hump road. The project area is small and in a steep mountain drainage, surrounded on all sides by rocky forested hill slopes.

The new bridge is to be constructed east of the existing alignment and through traffic will be maintained on the old bridge during the work. The replacement bridge will be slightly longer to increase the hydraulic opening at the crossing.

1. Supplemental EPSCP Narrative Sections

Most EPSC measures described in the contract narrative are appropriate to the site and will be implemented per the plan by Parent. The contractor's primary deviation from the measures outlined in the approved EPSCP relates to the method used to isolate in-stream work from the rest of the active channel. The contract EPSCP specifies the use of a floating turbidity curtain in the channel around abutment excavations. Channel conditions make it difficult to effectively implement this measure. The section numbering below references specific sections of the contract narrative.

1.4 EPSC Practices and Measures

1.4.3 Stabilized Construction Entrances

Tracking pads are specified in the contract EPSCP. These are intended to limit sediment tracking outside the project area and onto public highways. This is an appropriate BMP when a construction project is accessed via paved roads. On this project, which is found on a Class 3 road, the measure would be unlikely to decrease road-derived sediment loading to surface waters. I recommend that stabilized construction entrances/exits be installed only if determined necessary by the OSPC and RE after evaluating site conditions during the construction operations.

1.4.4 Install Sediment Barriers (Turbidity Curtain)

The channel of Brush Brook in the project area is shallow with an irregular rocky bottom and a swift current. The contributing drainage area above the project is steep and rocky so flow velocity and volume could be highly variable during construction. These conditions are not well suited for a floating sediment barrier and I do not recommend using the measure at this site.

Parent plans to dig the new abutment excavations within four-sided cofferdams formed using steel sheet pilings. These will effectively isolate channel excavations and raw concrete from surface water flows and make the floating turbidity barrier unnecessary. Temporary sand bags and poly sheeting may be used to isolate demolition work from surface water flows when removing the existing substructure. Sandbags may also be used during the cofferdam installation pending this coordination if determined necessary by the OSPC or RE to limit off-site sediment losses.

The installation of the cofferdams is currently scheduled during the restricted in-stream work period. All proposed in-stream measures will be ~~vetted~~ by the district DEC River's Engineer before they are implemented.

Replace with "approved"

Silt fencing will be installed as shown prior to placing erodible fill materials or earth disturbance.

1.4.5 Divert Upland Runoff

The construction site is in a valley setting and upland runoff could enter the project area from the southeast and northeast quads given the surrounding topography. Only minor runoff is expected outside of the active channel due to the forested land cover. If needed a shallow swale or berm will be used along with existing roadside ditches to intercept any over-land flow and divert it away from exposed earth or open excavations in the work zone.

1.4.9 Winter Stabilization

All project related earth disturbances will be stabilized by October 15th. No winter-specific EPSC measures are anticipated. The VAOT CEE will be notified in writing should winter-time construction become necessary due to unforeseen circumstances.

1.4.11 De-watering Activities

The dewatering of cofferdams is anticipated to complete the work. The design requires the new abutment footings to be on competent bedrock, which may be 8' below the water surface elevation. Saturated sediments excavated from within the cofferdams will be stockpiled where runoff will not flow into the brook or will be temporarily encircled by sediment barrier. Pumpage volumes from dewatering will largely depend on the seal in the cofferdam. Pump intake lines will be situated to pull water from the top during the initial drawdown of cofferdams. A stone lined sump will be established if conditions allow during subsequent maintenance pumping. Parent plans to pour a sealing slab in each cofferdam as soon as the bedrock is inspected to reduce or eliminate on-going dewatering needs while constructing form work. Any required doweling will be done by drilling through this sub-footing seal.

Water pumped from the cofferdams will be directed into non-woven geotextile filter bags (detail sheet attached). Filter bags will be located so filtered discharge will not cause erosion. Extra bags will be kept on-site and available to replace clogged or damaged bags as required to maintain flow capacity and treatment. Sediments trapped by filter bags will be disposed of off-site as earthen waste. Bags may be situated on a bed of crushed (1" minus) filter stone to increase filtration efficiency. Additional measures such as wood chips, stone berms, hay bales, or plastic sheeting may be used to better capture suspended sediments in the pump out or to stabilize the outfall area.

The contractor may be obligated seek additional off-site approvals and/or request to place the bag closer than 50' from surface waters since the project area is so small and the topography steep. The most appropriate discharge location will be determined in the field by the OSPC as site conditions evolve but may be outside the contract limits.

1.5 Sequence and Staging

The footprint of disturbed earth associated with the work is small. The easterly shift of the roadway alignment requires cutting into a steep slope in the southeast quad. This work is the most significant earth disturbance on the project. It may involve removing bedrock. Any soils exposed by the activity will be stabilized on an on-going basis, either temporarily with hay mulch or permanently with stone to limit the potential for erosion on the site at any one time. Silt fencing will be installed along the western side of the existing alignment as shown in the contract EPSCP prior to removing the old road bed.

1.5.1 Construction Sequence and related EPSC measures

- Mobilize
    a. Install field offices
    b. Install PDF as shown on the EPSCP sheets and sediment barriers in the NE quad
    c. Demarcate waste area footprint
- Clearing, grubbing, and rough-in new alignment
    a. Minimize the area of exposed earth open at any given time
    b. Use hay mulch for temporary stabilization during construction
    c. Use crushed stone to stabilize equipment work areas
    d. Install stone check dams down gradient of slope work

e. Place permanent stone slope armoring.

- Construct new bridge
  a. Install sheet pilings to form coffer cells*
  b. Establish dewatering location
  c. Remove cofferdams
  d. Place permanent stone bank armoring in front of new abutments per the plan

Please include additional detail on construction activities here

- Demolish existing bridge
  a. Demo deck, remove steel beams, and substructure*
  b. Contain and collect demolition debris
  c. Remove old roadway approach sections
- Demobilize
  a. Restore disturbed areas and contour to final design grades or pre-construction grade as applicable
  b. Establish permanent vegetative cover in disturbed areas both on and off-site
  c. Remove PDF, silt fencing, and any other temporary EPSC measures

* in-stream work that may be isolated from channel flow using sand bags per coordination with the VT DEC district River's Engineer

1.5.2 Off-Site Activities

Field offices and Staging

Parent has gotten permission to use the Huntington Town Garage as a limited staging area and the location of the project field offices. This off-site area would be exempt from the Off-site Activity review process and will be documented as such via the VAOT 'Off-site Activity Exemption Record'.

Waste

Contract documents suggest that the work could generate up to 3000 CYs of earthen waste depending on how much can be reused on-site. A proposed waste site on Camel's Hump road was submitted to the VAOT Environmental Unit for review on 3/30/2016. Another landowner in the project area has also requested earthen fill so a second waste site may be submitted for review if needed. Parent will submit an 'Off-Site Activity Form' to the VAOT Environmental Unit prior to using any proposed off-site waste areas. Waste concrete from the project will be sent to a reprocessing facility in the greater Chittenden County area, probably All Season's in Colchester. The facility will be documented with the VAOT Off-site Exemption Record.

Borrow

Parent plans to source structural fill materials used on the project from locally operating gravel pits that would also be exempted from the AOT off-site review process.

1.6 Contact Information

1.6.1 OSPC

The On-Site Plan Coordinator for this project will be Tim Parent of Parent Construction Inc. Tim will be on-site on a daily basis, has extensive experience working on

transportation projects in Vermont and has successfully completed the duties of an on-site coordinator on previous VT AOT projects. He can be reached at 802-343-7602.

1.6.2 Plan Preparer

Matt Montgomery, CPESC, of VT Compliance has reviewed and modified this project-specific EPSC plan. He is familiar with the VT Standards and Specifications for Erosion Prevention and Sediment Control, working within the context of VT AOT projects, and project specific permitting requirements. He can be reached at 802-363-6288.

1.7 Construction Schedule

Individual tasks items in the Parent schedule are sequenced to minimize the amount of exposed earth and the duration of the channel constriction from the cofferdams. The contractor's anticipated schedule is attached for your review. Schedule milestones for the project are as follows:

Mid-Late May 2016

- Mobilize,
- Install construction signage,
- Establish office trailer and staging areas,
- Install PDF,
- Install temporary sediment control measures where needed,
- Rough-in new roadway alignment

Early June 2016

- Install cofferdams,

Late June- July 2016

- Pour sub-footings,
- Construct substructure components,

August - September 2016

- Remove cofferdams,
- Construct new superstructure,

October 2016

- Reconfigure roadway to divert traffic over new bridge,
- Remove old bridge and old roadway approaches,
- Seeding for permanent vegetation.

Some final grading and seeding is scheduled for mid-October but Parent does not anticipate any on-going construction activities outside the normal summer construction season (April 15th–October 15th). You will be notified in writing should construction become necessary after October 15th and winter-specific EPSC measures will be developed and implemented at the site.

1.8 EPSCP Inspection Form
VT Compliance Monitoring will be responsible for EPSCP inspections during construction. Inspections will be documented on the attached VT AOT inspection report for Non-Jurisdictional/Low Risk Projects. The EPSCP and inspection record will be kept on-site at all times.

2. Erosion Prevention and Sediment Control Plan Modifications

There are no substantial changes to specific EPSC measures other than the in-stream measures to isolate flows from the river work. The attached plan sheets were modified from what was included in the contract plan set (sheets 37-40 of the original 44 sheets) to illustrate specific measures discussed in section 1.4 above.

To summarize, the modifications to the Contract Plan are minimal and include the following:

- Instead of a floating sediment barrier, channel excavations will be isolated from surface water flow with four-sided cofferdams formed with steel sheet pilings.
- Temporary sandbags and poly sheeting may be used to isolate sheet piling installation from surface waters pending coordination with VT DEC District River's Engineer.
- Vehicle tracking pads will be installed at the discretion of the OSPC.
- Potential locations of dewatering areas have been identified.
- Parent's 'On-Site Coordinator' contact information has been added.

Temporary and Permanent EPSC Measures
Parent will implement the temporary and permanent EPSC measures discussed in this narrative and shown on the contract EPSCP Sheets. Temporary measures during construction may include the following as necessary:

- Project Demarcation Fencing,
- Woven Wire Sediment barrier,
- Seed, hay mulch, biodegradable rolled erosion control products,
- Stone check dams,
- Sandbags,
- Diversion swales or berms,
- Geotextile filter bags, and
- Stabilized construction entrances.

Permanent Measures are to include the following:

- Type II stone slope armoring,
- Type IV stone bank armoring over geotextile fabric,
- Seed, fertilizer, mulch/matting used to establish perennial ground cover.

Updates
As construction progresses unforeseen events may require additional EPSC measures not discussed here or shown on the plan. Any proposed changes to the EPSCP will be coordinated

with the AOT resident engineer, documented on the plan, and communicated to appropriate regulatory agencies as necessary.

approved

Additional Regulatory Coordination

The schedule and nature of all proposed in-stream measures will be ~~vetted~~ by VT DEC district River's Engineer Jaron Borg during an on-site meeting prior to construction. This required Title 19 consultation is scheduled for 04/11/2016.

Any temporary fills proposed below OHW outside of those approved by the project's ACOE Permit will be depicted on a plan and submitted to the VT ACOE office for review and approval prior to being placed.

Any required tree felling associated with off-site activities will be done prior to April 15 per time of year tree removal restrictions due to the listing of Northern Long-eared Bat.

Please contact me with any questions or concerns that arise follow your review.

Sincerely,
VT Compliance Monitoring, LLC

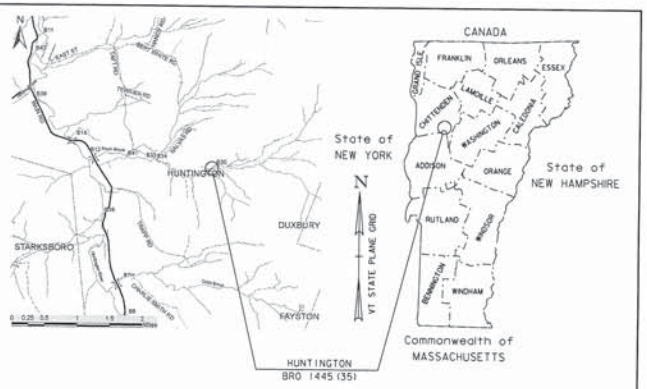
Matt Montgomery

Enclosures:

1. Modified EPSC Plan Sheets 37 to 40 of 44
2. Parent Construction Schedule
3. Filter Bag Detail sheet
4. VAOT EPSCP Inspection Report for Low-Risk and Non-jurisdictional projects

Original: Bill Farley, VAOT
Cc: Greg Wilcox, VAOT
Tim Parent, Parent Construction Inc.

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
BRIDGE PROJECT

TOWN OF HUNTINGTON
COUNTY OF CHITTENDEN

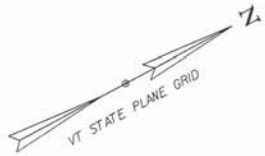
ROUTE NO : TOWN HIGHWAY 22, CLASS 3 (CAMELS HUMP ROAD) BRIDGE NO : 30

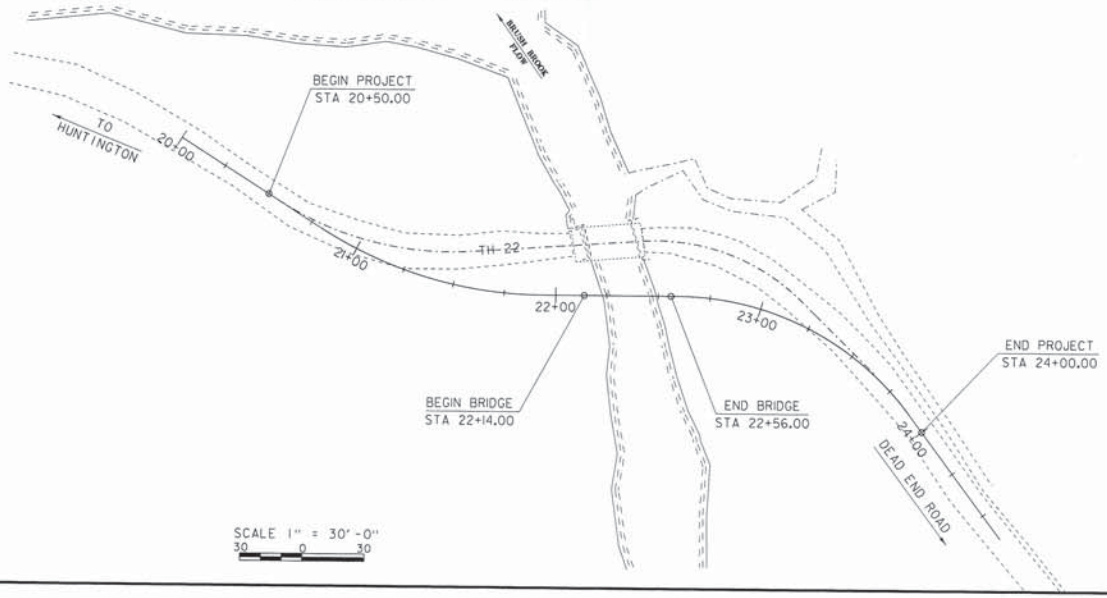
PROJECT LOCATION: 1.4 MILES EAST OF JUNCTION WITH TOWN HIGHWAY 4 (TAFT ROAD) (CLASS 3)

PROJECT DESCRIPTION: REPLACEMENT OF EXISTING BRIDGE WITH A NEW BRIDGE ON A NEW ALIGNMENT, WITH RELATED CHANNEL AND ROADWAY WORK.

LENGTH OF STRUCTURE: 42.00 FEET
LENGTH OF ROADWAY: 308.00 FEET
LENGTH OF PROJECT: 350.00 FEET

Contractor EPSCP Modifications 2016.04.05
by M.Montgomery of VT Compliance





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 :	R. GILMAN
SURVEYED DATE :	03-20-2012
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD83 (92)

DIRECTOR OF PROJECT DELIVERY	
APPROVED	DATE 10/9/2015
PROJECT MANAGER :	CAROLYN CARLSON, P.E.
PROJECT NAME :	HUNTINGTON
PROJECT NUMBER :	BRO 1445 (35)
SHEET 1 OF 44	SHEETS

EPSC PLAN NARRATIVE

1.1 PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REMOVAL OF EXISTING BRIDGE 30 THAT WILL BE REPLACED WITH A NEW CAST-IN-PLACE CONCRETE SLAB BRIDGE, SPANNING 40' OVER BRUSH BROOK, ON NEW ALIGNMENT. BRIDGE 30 IS LOCATED IN THE TOWN OF HUNTINGTON, ON TOWN HIGHWAY 22 (CAMELS HUMP ROAD), APPROXIMATELY 1.2 MILES OF JUNCTION WITH TOWN HIGHWAY 4 (TAFT ROAD).

NOTE: AREA OF DISTURBANCE INCLUDES LIMITS OF EARTH DISTURBANCE WITHIN THE PROJECT AREA, AS WELL AS WASTE, BORROW AND STAGING AREAS, AND OTHER EARTH DISTURBING ACTIVITIES WITHIN OR DIRECTLY ADJACENT TO THE PROJECT LIMITS AS SHOWN ON THE ATIACHED EPSC PLAN.

TOTAL AREA OF DISTURBANCE AS SHOWN ON THE ATIACHED EPSC PLAN IS APPROXIMATELY 0.48 ACRES.

IT IS ANTICIPATED THAT THIS PROJECT WILL LAST ONE CONSTRUCTION SEASON.

1.2 SITE INVENTORY

1.2.1 1 TOPOGRAPHY

THE TOPOGRAPHY OF THE AREA IS A SADDLE THAT IS MOSTLY WELL ESTABLISHED FOREST WITH OCCASIONAL OPEN AREAS. TOWN HIGHWAY 22 (CAMELS HUMP ROAD) IS WITHIN THE PROJECT SITE.

1.2.2 DRAINAGE, WATERWAYS, BODIES OF WATER, AND PROXIMITY TO NATURAL OR MAN-MADE WATER FEATURES

THE BRUSH BROOK IS THE ONLY WATER SOURCE ON THE PROJECT SITE. THE BROOK IS CLASSIFIED AS STEEP, SINUOUS, NARROW, WITH A CONFINED AND ARMORED CHANNEL AT THE SITE. THE STREAM BED CONSISTS OF GRAVEL, COBBLES AND BOULDERS. THE TRIBUTARY AREA AT THE BRIDGE CROSSING IS 4.6 MILES^2. DUE TO THE NATURE OF THE SURROUNDING TERRAIN THE PROJECT SITE COULD RECEIVE RUNOFF WATER FROM A FEW NEARBY SLOPES.

1.2.3 VEGETATION

THE VEGETATION IN THE PROJECT AREA CONSISTS OF HARDWOOD TREES AND UNDERGROWTH. THE IMPACT TO VEGETATION WILL BE LIMITED TO THAT WHICH IS DIRECTLY AFFECTED BY REPLACEMENT OF THE EXISTING BRIDGE ON NEW ALIGNMENT. UPON PROJECT COMPLETION, THE CHANNEL WILL BE ARMORED WITH STONE FILL TYPE IV AS SPECIFIED ON THE PLANS. DISTURBED VEGETATION WILL BE REESTABLISHED WITH STANDARD SEED AND MULCH PRACTICES.

1.2.4 SOILS

ALL SOIL DATA CAME FROM THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE FOR THE COUNTY OF CHITIENDEN, VERMONT. SOILS ON THE PROJECT SITE ARE MARLOW LOW EXTREMELY STONY LOAM, 20% TO 60% SLOPES, "K FACTOR" = 0.24. THE SOIL IS CONSIDERED HIGHLY ERODIBLE DUE TO SIGNIFICANT SLOPES.

NOTE: K-VALUES GENERALLY INDICATE THE FOLLOWING:
0.0-0.23 = LOW EROSION POTENTIAL
0.24-0.36 = MODERATE EROSION POTENTIAL
0.37 AND HIGHER = HIGH EROSION POTENTIAL

1.2.5 SENSITIVE RESOURCE AREAS

CRITICAL HABITATS: YES, WILDLIFE HABITAT
HISTORICAL OR ARCHEOLOGICAL AREAS : NO
PRIME AGRICULTURAL LAND: NO
THREATENED AND ENDANGERED SPECIES: NEWLY LISTED STATEWIDE THREATENDED BAT SPECIES, NOT SUITABLE HABITAT WITHIN PROJECT LIMITS ALTHOUGH IT IS PRESENT SURROUNDING PROJECT.
WATER RESOURCE : BRUSH BROOK
WETLANDS: YES

1.3 RISK EVALUATION

THIS PROJECT DOES NOT FALL UNDER THE JURISDICTION OF GENERAL PERMIT 3-9020 FOR STORMWATER RUNOFF FROM CONSTRUCTION SITES. SHOULD CHANGES PRIOR TO OR DURING CONSTRUCTION RESULT IN ONE OR MORE ACRES OF EARTH DISTURBANCE OR SHOULD THE PROJECT BECOME PART OF A LARGER PLAN OF DEVELOPMENT, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL PERMITIING.

1.4 EROSION PREVENTION AND SEDIMENT CONTROL (EPSC)

THE EPSC PLANS ARE MEANT AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT TRANSPORT. THE PRINCIPLES OUTLINED IN THIS NARRATIVE CONSIST OF APPLYING MEASURES THROUGHOUT CONSTRUCTION OF THE PROJECT IN ORDER TO MINIMIZE SEDIMENT TRANSPORT TO THE RECEIVING WATERS. THE MEASURES INCLUDE STABILIZATION AND STRUCTURAL PRACTICES, STORM WATER CONTROLS AND OTHER POLLUTION PREVENTION PRACTICES. THEY HAVE BEEN PROPOSED BY THE DESIGNER AS A BASIS FOR PROTECTING RESOURCES AND WILL NEED TO BE BUILT UPON BASED ON THE SPECIFIC MEANS AND METHODS OF THE CONTRACTOR. REFER TO THE LOW RISK SITE HANDBOOK AND APPROPRIATE DETAIL SHEETS FOR SPECIFIC GUIDANCE AND CONSTRUCTION DETAILING.

ALL MEASURES SHALL BE REGULARLY MAINTAINED AND SHALL BE CHECKED FOR SEDIMENT BUILD-UP. SEDIMENT SHALL BE DISPOSED OF AT AN APPROVED SITE WHERE IT WILL NOT BE SUBJECT TO EROSION.

1.4.1 MARK SITE BOUNDARIES

SITE BOUNDARIES AND AREAS CONSTRUCTION EQUIPMENT CAN ACCESS SHALL BE DELINEATED.

PROJECT DEMARCATION FENCING (PDF) SHALL BE USED TO PHYSICALLY MARK SITE BOUNDARIES.

1.4.2 LIMIT DISTURBANCE AREA

PREVENTING INITIAL SOIL EROSION BY MINIMIZING THE EXPOSED AREA IS MUCH MORE EFFECTIVE THAN TREATING ERODED SEDIMENT. EARTH DISTURBANCE CAN BE MINIMIZED THROUGH CONSTRUCTION PHASING BY ONLY OPENING UP EARTH AS NECESSARY. THIS CAN LIMIT THE AREA THAT WILL BE DISTURBED AND EXPOSED TO EROSION. EMPLOY TEMPORARY CONSTRUCTION STABILIZATION PRACTICES IN INCREMENTAL STAGES AS PHASES CHANGE. FOR PROJECTS WHICH FALL UNDER THE CONSTRUCTION GENERAL PERMIT, ONLY THE ACREAGE LISTED ON THE PERMIT AUTHORIZATION MAY BE EXPOSED AT ANY GIVEN TIME.

MAINTAINING VEGETATED BUFFERS ALONG STREAM BANKS, WETLANDS OR OTHER SENSITIVE AREAS IS A CRUCIAL EROSION AND SEDIMENT CONTROL MEASURE THAT SHOULD BE ESTABLISHED WHEREVER POSSIBLE.

1.4.3 SITE ENTRANCE/EXIT STABILIZATION

TRACKING OF SEDIMENT ONTO PUBLIC HIGHWAYS SHALL BE MINIMIZED TO REDUCE THE POTENTIAL FOR RUNOFF ENTERING RECEIVING WATERS. INSTALLATION SHALL COINCIDE WITH THE CONTRACTORS PROGRESS SCHEDULE.

STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED ~~AS PROPOSED ON THE EPSC PLAN~~.

if determined by the OSPC or RE to be necessary.

1.4.4 INSTALL SEDIMENT BARRIERS

SEDIMENT BARRIERS SHALL BE UTILIZED TO INTERCEPT RUNOFF AND ALLOW SUSPENDED SEDIMENT TO SETILE OUT. THEY SHALL BE INSTALLED PRIOR TO ANY UP SLOPE WORK.

SILT FENCE WILL BE INSTALLED AS PROPOSED ON THE EPSC PLAN.

1.4.5 DIVERT UPLAND RUNOFF

DIVERSIONARY MEASURES SHALL BE USED TO INTERCEPT RUNOFF FROM ABOVE THE CONSTRUCTION AND DIRECT IT AROUND THE DISTURBED AREA SO THAT CLEAN WATER DOES NOT BECOME MUDDIED WHILE TRAVELING OVER EXPOSED SOILS ON THE CONSTRUCTION SITE.

~~THE PROJECT AREA IS RELATIVELY FLAT. THEREFORE IT IS NOT ANTICIPATED THAT DIVERSION MEASURES WILL BE NECESSARY.~~

Diversionary measures may be necessary and will be installed as required and at the discretion of the OSPC.

1.4.6 SLOW DOWN CHANNELIZED RUNOFF

CHECK STRUCTURES SHALL BE UTILIZED TO REDUCE THE VELOCITY, AND THUS THE EROSIVE POTENTIAL, OF CONCENTRATED FLOW IN CHANNELS.

STONE CHECK DAMS WILL BE INSTALLED AS PROPOSED ON THE EPSC PLAN, AT A MINIMUM.

1.4.7 CONSTRUCT PERMANENT CONTROLS

PERMANENT STORMWATER TREATMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH PERMIT CONDITIONS.

1.4.8 STABILIZE EXPOSED SOILS DURING CONSTRUCTION

ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY STABILIZATION IN PLACE WITHIN 48 HOURS OF DISTURBANCE OR IN ACCORDANCE WITH THE CONSTRUCTION GENERAL PERMIT 3-9020 AUTHORIZATION.

BIODEGRADABLE EROSION CONTROL MATIING OR AN EQUIVALENT SHALL BE USED TO STABILIZE ALL SLOPES STEEPER THAN 1:3.

THE FORECAST OF RAINFALL EVENTS SHALL TRIGGER IMMEDIATE PROTECTION OF EXPOSED SOILS.

1.4.9 9 WINTER STABILIZATION

VARIOUS MEASURES SPECIFIC TO WINTER MAY BE NECESSARY SHOULD THE PROJECT EXTEND INTO WINTER (OCTOBER 15 THROUGH APRIL 15). REFER TO THE LOW RISK SITE HANDBOOK FOR GUIDANCE.

1.4.10 STABILIZE SOIL AT FINAL GRADE

EXPOSED SOIL MUST BE STABILIZED WITHIN 48 HOURS OF REACHING FINAL GRADE.

SEED, MULCH, FERTILIZER AND LIME SHALL BE USED TO ESTABLISH PERMANENT VEGETATION. FOR SLOPES STEEPER THAN 1:3, BIODEGRADABLE EROSION CONTROL MATIING OR AN EQUIVALENT SHALL BE USED INSTEAD OF MULCH.

1.4.11 DE-WATERING ACTIVITIES

DISCHARGE FROM DEWATERING ACTIVITIES THAT FLOWS OFF OF THE CONSTRUCTION SITE MUST NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE VERMONT WATER QUALITY STANDARDS.

TREATMENT OF DEWATERING COFFERDAM IS ANTICIPATED. A LOCATION FOR TREATMENT HAS BEEN PROPOSED AND IS SHOWN ON THE PLANS. HOWEVER THE SPECIFIC MEANS FOR TREATMENT OF DISCHARGE SHALL BE PROVIDED BY THE CONTRACTOR.

see revised narrative section 1.4.11 above

1.4.12 INSPECT YOUR SITE

INSPECT THE PROJECT SITE BASED ON SPECIAL PROVISION REQUIREMENTS OR CONSTRUCTION GENERAL PERMIT AUTHORIZATION STIPULATIONS.

1.5 SEQUENCE AND STAGING

THIS SECTION WILL BE DEVELOPED BY THE CONTRACTOR USING THE GUIDANCE OUTLINED IN THE VTRANS EPSC PLAN CONTRACTOR CHECKLIST.

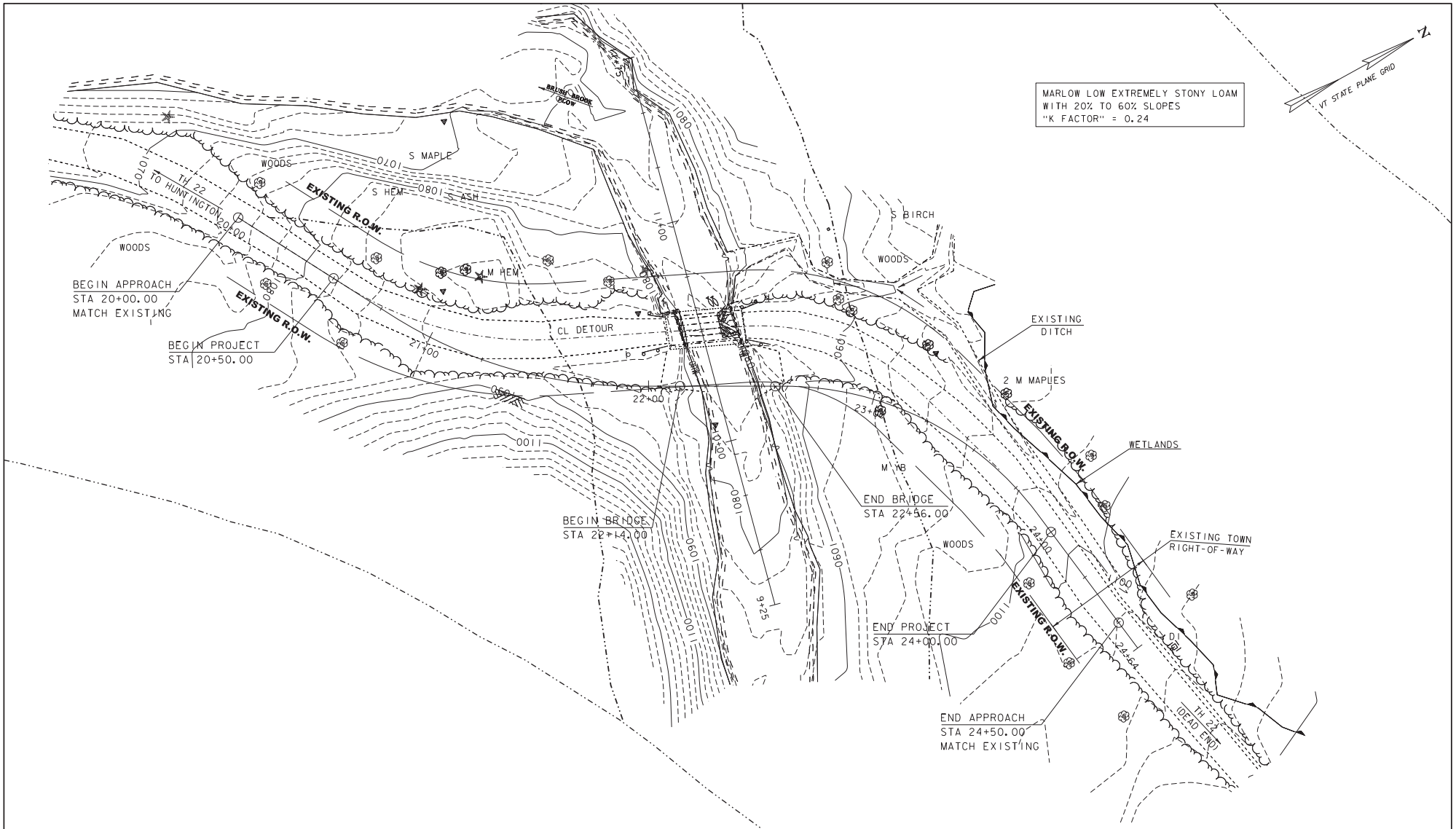
1.5.1 OFF SITE ACTIVITIES

IN ADDITION TO THE CONTRACTOR CHECKLIST AND ACTIVITIES OUTSIDE THE CONSTRUCTION LIMITS SHALL FOLLOW SUBSECTIONS 105.25- 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

On-site Plan Coordinator: Tim Parent, Parent Construction 802.343.7602

Contractor EPSCP Modifications 2016.04.05
by M.Montgomery of VT Compliance

PROJECT NAME: HUNTINGTON	
PROJECT NUMBER: BRO 1445 (35)	
FILE NAME: sl2jl62er odet .dgn	PLOT DATE: 1 5-OCT-2015
PROJECT LEADER: C. CARLSON	DRAWN BY: R. PELLETT
DESIGNED BY: D. PETERSON	CHECKED BY: D. PETERSON
EPSC NARRA TIVE	SHEET 37 OF 44



On-site Plan Coordinator: Tim Parent, Parent Construction 802.343.7602

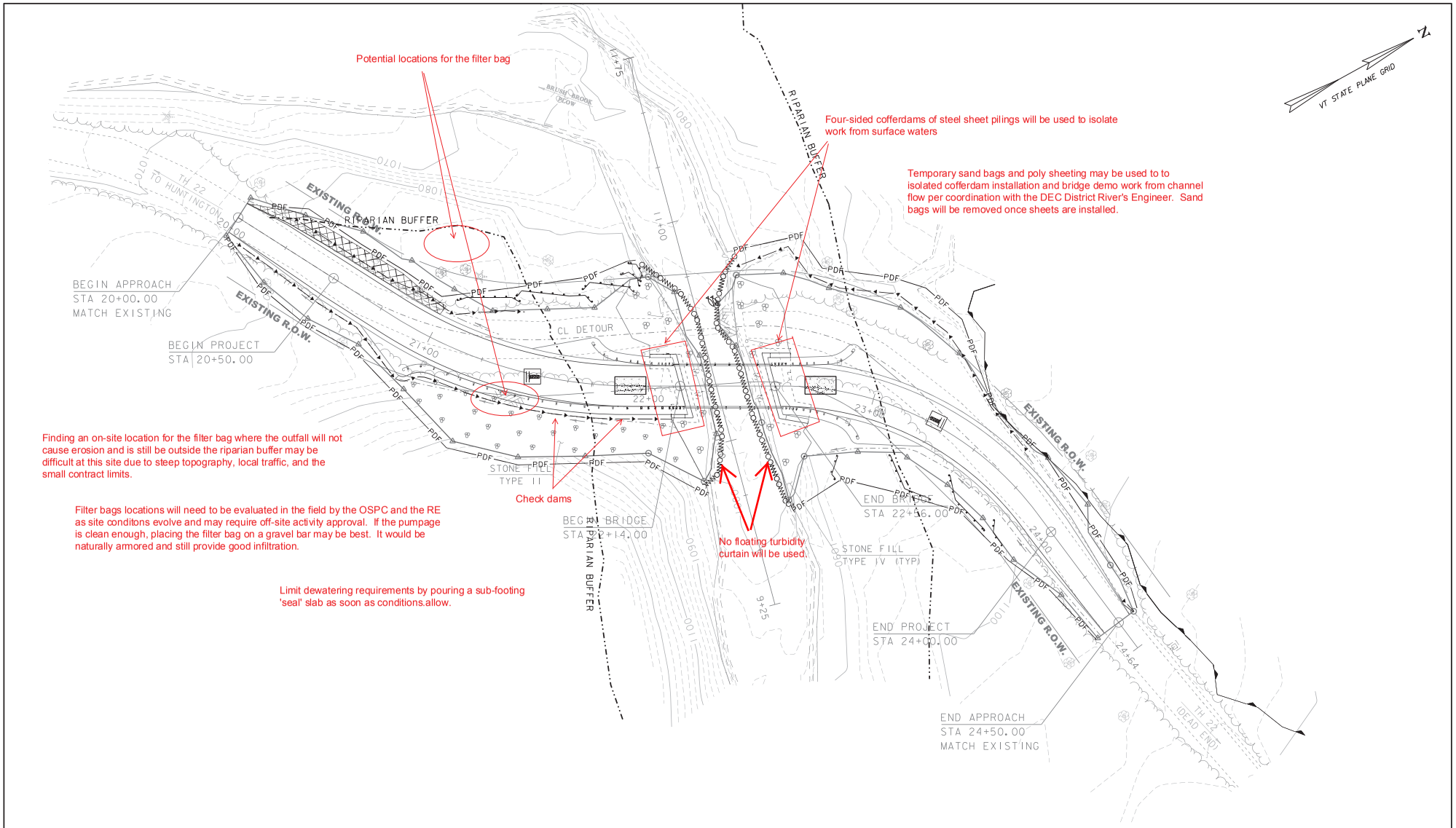
Contractor EPSCP Modifications 2016.04.05
by M.Montgomery of VT Compliance

LEGEND

FISH HABITAT (RESOURCE PRESENT)

SCALE 1" = 20'-0
20 0 20

PROJECT NAME: HUNTINGTON	
PROJECT NUMBER: BRO 1445(35)	
FILE NAME: sl2j162bdrero.dgn	PLOT DATE: 15-OCT-2015
PROJECT LEADER: C. CARLSON	DRAWN BY: R. PELLETT
DESIGNED BY: C. MOONEY	CHECKED BY: D. PETERSON
EPSC EXISTING CONDITIONS	SHEET 38 OF 44



On-site Plan Coordinator: Tim Parent, Parent Construction 802.343.7602

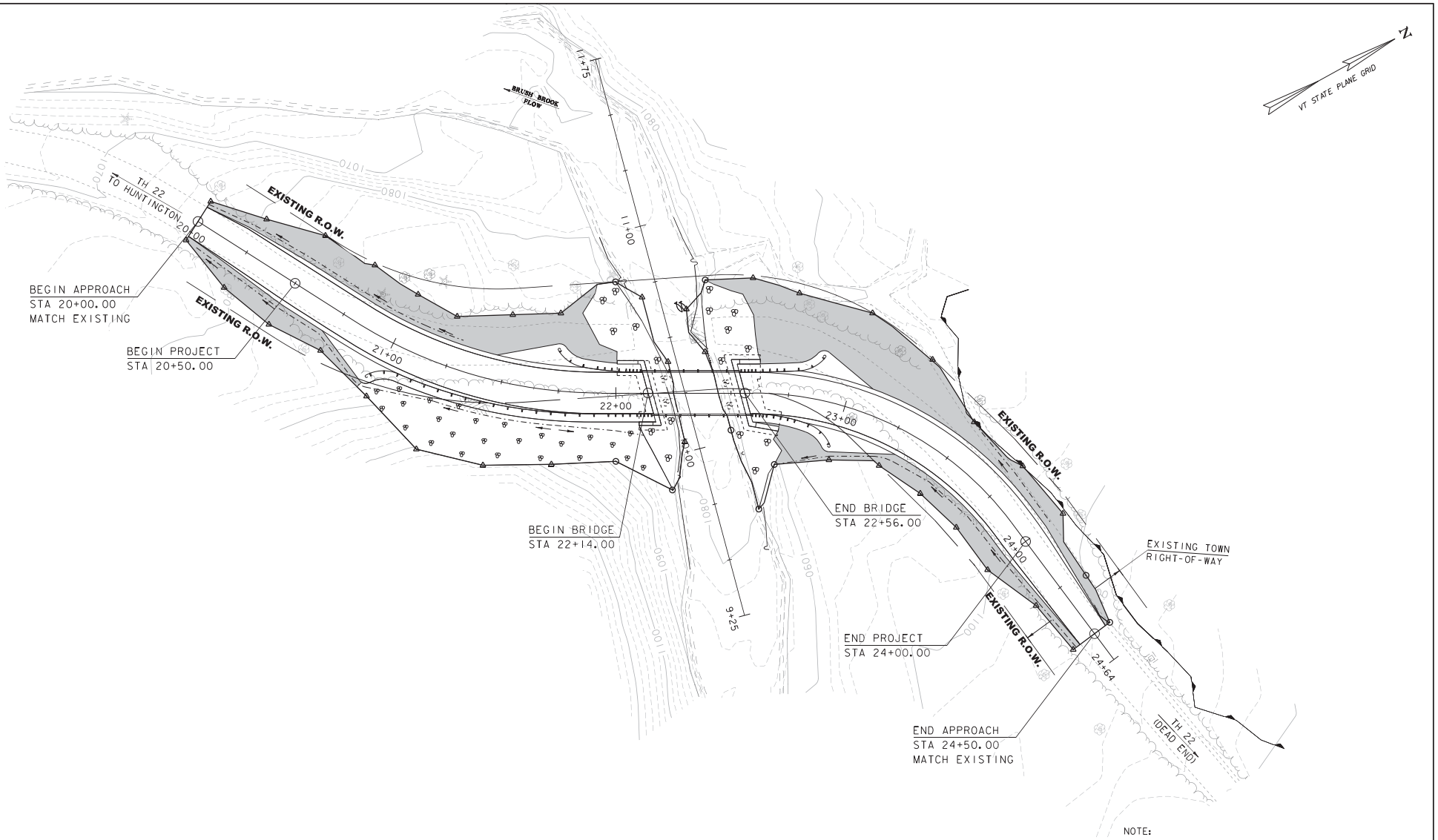
Contractor EPSCP Modifications 2016.04.05
by M.Montgomery of VT Compliance

SCALE 1" = 20'-0
20 0 20

LEGEND

- FISH HABITAT (RESOURCE PRESENT)
- PROPOSED DEWATERING AREA
- STABALIZED CONSTRUCTION ENTRANCE

PROJECT NAME: HUNTINGTON	
PROJECT NUMBER: BRO 1445(35)	
FILE NAME: sl2j162bdrero.dgn	PLOT DATE: 15-OCT-2015
PROJECT LEADER: C. CARLSON	DRAWN BY: R. PELLETT
DESIGNED BY: C. MOONEY	CHECKED BY: D. PETERSON
EPSC CONSTRUCTION CONDITIONS	SHEET 39 OF 44



On-site Plan Coordinator: Tim Parent, Parent Construction 802.343.7602

NOTE:
REFER TO CROSS SECTIONS FOR FINAL GROUND CONTOURS

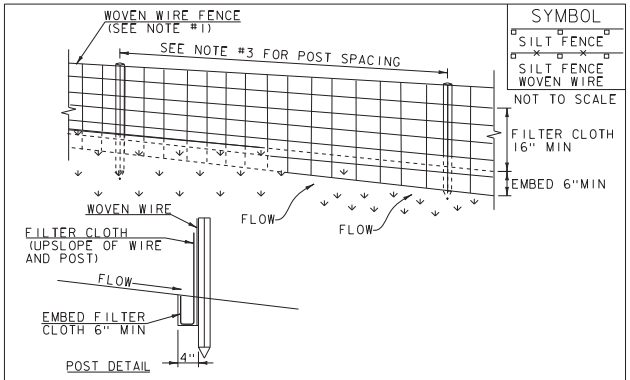
SEE "CONVENTIONAL SYMBOLOGY LEGEND" SHEET FOR LEGEND

Contractor EPSCP Modifications 2016.04.05
by M.Montgomery of VT Compliance

SCALE 1" = 20'-0
20 0 20

LEGEND
FISH HABITAT (RESOURCE PRESENT)

PROJECT NAME: HUNTINGTON	
PROJECT NUMBER: BRO 1445(35)	
FILE NAME: sl2jl62bdrero.dgn	PLOT DATE: 15-OCT-2015
PROJECT LEADER: C. CARLSON	DRAWN BY: R. PELLETT
DESIGNED BY: C. MOONEY	CHECKED BY: D. PETERSON
EPSC FINAL CONDITIONS	SHEET 40 OF 44



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE REINFORCED FENCE IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS WHEN THE PROJECT FALLS UNDER A CONSTRUCTION STORMWATER PERMIT. WOVEN WIRE SHALL BE A MIN. 14 GAUGE WITH A 6" MAX. MESH OPENING.
2. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI100X, STABILINKA T140N OR APPROVED EQUIVALENT.
3. POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4' AND WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED 6'.
4. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

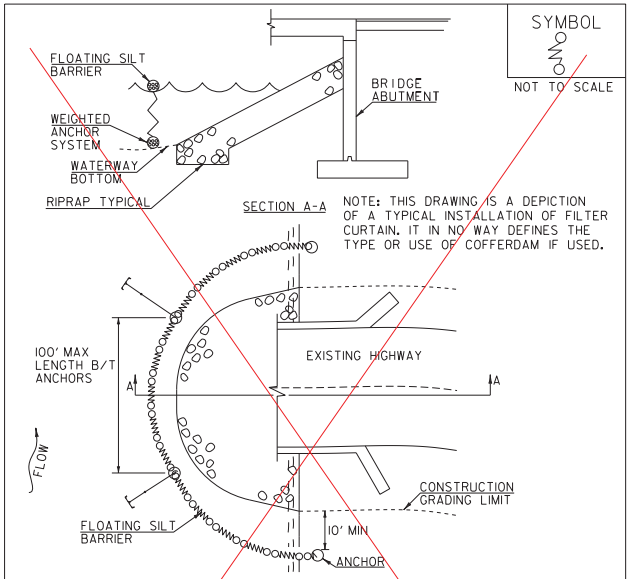
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SILT FENCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 AND AS SHOWN IN THE PLANS FOR GEOTEXTILE FOR SILT FENCE (PAY ITEM 649.51) ~~OR GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED (PAY ITEM 649.515).~~

REVISIONS	
MARCH 21, 2008	WHF
DECEMBER 11, 2008	WHF
JANUARY 13, 2009	WHF



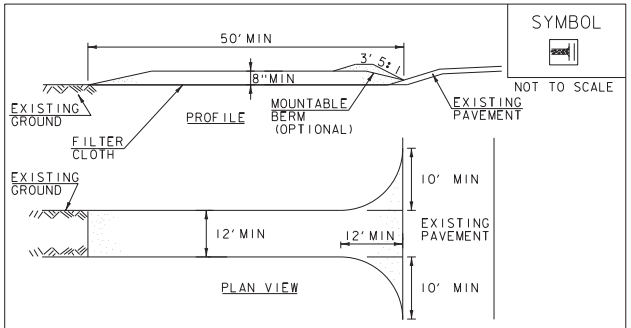
CONSTRUCTION SPECIFICATIONS

1. FILTER CURTAIN SHALL NOT BE PLACED ACROSS A FLOWING WATERWAY, OR IN A WATERWAY WITH STREAM VELOCITIES GREATER THAN 1.5 FEET/SECOND.
2. MAXIMUM 100' LENGTH BETWEEN ANCHORS.
3. LAST SECTION SHALL TERMINATE A MINIMUM OF 10' BEYOND LIMIT OF DISTURBANCE.
4. THE WEIGHTED ANCHOR SYSTEM SHALL BE A TYPE WHICH ALLOWS THE CURTAIN TO CONFORM TO THE BOTTOM OF THE WATERWAY.
5. THE CURTAIN SHALL BE REMOVED BY SLOWLY PULLING TOWARD THE SHORE MINIMIZING THE ESCAPE OF SEDIMENTS INTO WATERWAY.

FILTER CURTAIN

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 FOR GEOTEXTILE FOR FILTER CURTAIN (PAY ITEM 649.61).

REVISIONS	
APRIL 1, 2008	WHF
JANUARY 13, 2009	WHF
SEPTEMBER 4, 2009	WHF



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE- USE 1-4" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH- NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
3. THICKNESS- NOT LESS THAN 8".
4. WIDTH- 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STABILIZED CONSTRUCTION ENTRANCE

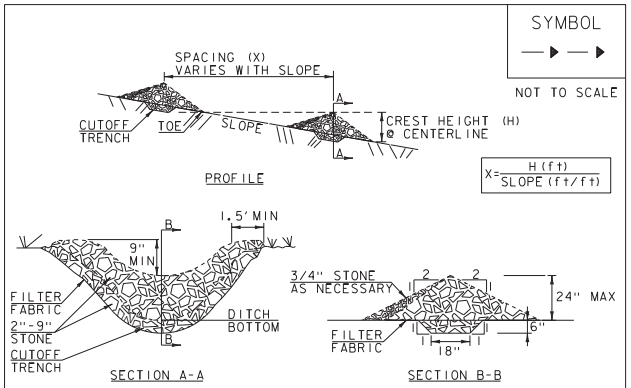
NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

~~THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR VEHICLE TRACKING PAD (PAY ITEM 653.35) OR AS SPECIFIED IN THE CONTRACT.~~

REVISIONS	
MARCH 24, 2008	WHF
JANUARY 13, 2009	WHF

Contractor EPSCP Modifications 2016.04.05 by M.Montgomery of VT Compliance

PROJECT NAME: HUNTINGTON	
PROJECT NUMBER: BRO 1445(35)	
FILE NAME: sl2j162erodet.dgn	PLOT DATE: 15-OCT-2015
PROJECT LEADER: C. CARLSON	DRAWN BY: R. PELLETT
DESIGNED BY: D. PETERSON	CHECKED BY: D. PETERSON
EPSC DETAILS 1	SHEET 41 OF 44



CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION.
2. CHECK DAMS SHALL BE SPACED SO THAT THE ELEVATION OF THE CREST OFTHE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
3. 3/4" FILTERING STONE MAY BE ADDED TO THE FACE OF THE CHECK DAM AS NECESSARY.
4. EXTEND THE STONE A MINIMUM OF 1.5' BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
5. PROTECT CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
6. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
7. MAXIMUM DRAINAGE AREA 2 ACRES.

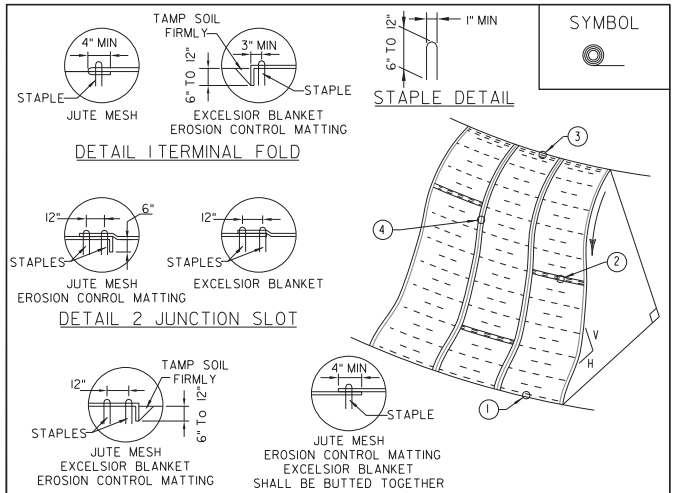
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CHECK DAM

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR TEMPORARY STONE CHECK DAM, TYPE I (PAY ITEM 653.25)

REVISIONS	
MARCH 21, 2008	WHF
JANUARY 8, 2009	WHF



CONSTRUCTION SPECIFICATIONS

1. APPLY TO SLOPES GREATER THAN 3H:1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
2. APPLY FERTILIZER, LIME AND SEED PRIOR TO PLACING MATTING.
3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4'X225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4'X150' ROLL OF MATERIAL.
4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: ILLINOIS USDA-NRCS
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

ROLLED EROSION CONTROL PRODUCT (RECP) SIDE SLOPE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS ITEM SHALL BE PAID FOR UNDER ITEM 653.20 TEMPORARY EROSION MATTING ~~OR 653.21 PERMANENT EROSION MATTING~~

NEW	
APRIL 16, 2007	WHF
REVISIONS	

VAOT LOW GROW/FINE FESCUE MIX						
	LBS/AC					
WEIGHT	BROADCAST	HYDROSEED	NAME	LATIN NAME	GERM	PURITY
38%	57	95	CREEPING RED FESCUE	FESTUCA RUBRA VAR. RUBRA	90%	98%
29%	43.5	72.5	HARD FESCUE	FESTUCA LONGIFOLIA	85%	95%
15%	22.5	37.5	CHEWINGS FESCUE	FESTUCA RUBRA VAR. COMMUTATA	87%	95%
15%	22.5	37.5	ANNUAL RYEGRASS	LOLIUM MULTIFLORUM	90%	95%
3%	4.5	7.5	INERTS			
100%	150	250				

VAOT RURAL AREA MIX						
	LBS/AC					
WEIGHT	BROADCAST	HYDROSEED	NAME	LATIN NAME	GERM	PURITY
37.5%	22.5	45	CREEPING RED FESCUE	FESTUCA RUBRA VAR. RUBRA	85%	98%
37.5%	22.5	45	TALL FESCUE	FESTUCA ARUNDINACEA	90%	95%
5.0%	3	6	RED TOP	AGROSTIS GIGANTEA	90%	95%
15.0%	9	18	WHITE FIELD CLOVER	TRIFOLIUM REPENS	85%	98%
5.0%	3	6	ANNUAL RYE GRASS	LOLIUM MULTIFLORUM	85%	95%
100%	60	120				

GENERAL AMENDMENT GUIDANCE		
FERTILIZER	LIME	
10/20/10	AG LIME	PELLITIZED
500 LBS/AC	2 TONS/AC	1 TONS/AC

CONSTRUCTION GUIDANCE

1. SEED MIX: THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER ON WHICH SEED MIX TO USE.
2. SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
3. ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
4. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
6. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED PROPOSED FOR USE WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED.
7. TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES

TURF ESTABLISHMENT

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 651 FOR SEED (PAY ITEM 651.15)

REVISIONS	
JANUARY 12, 2015	WHF

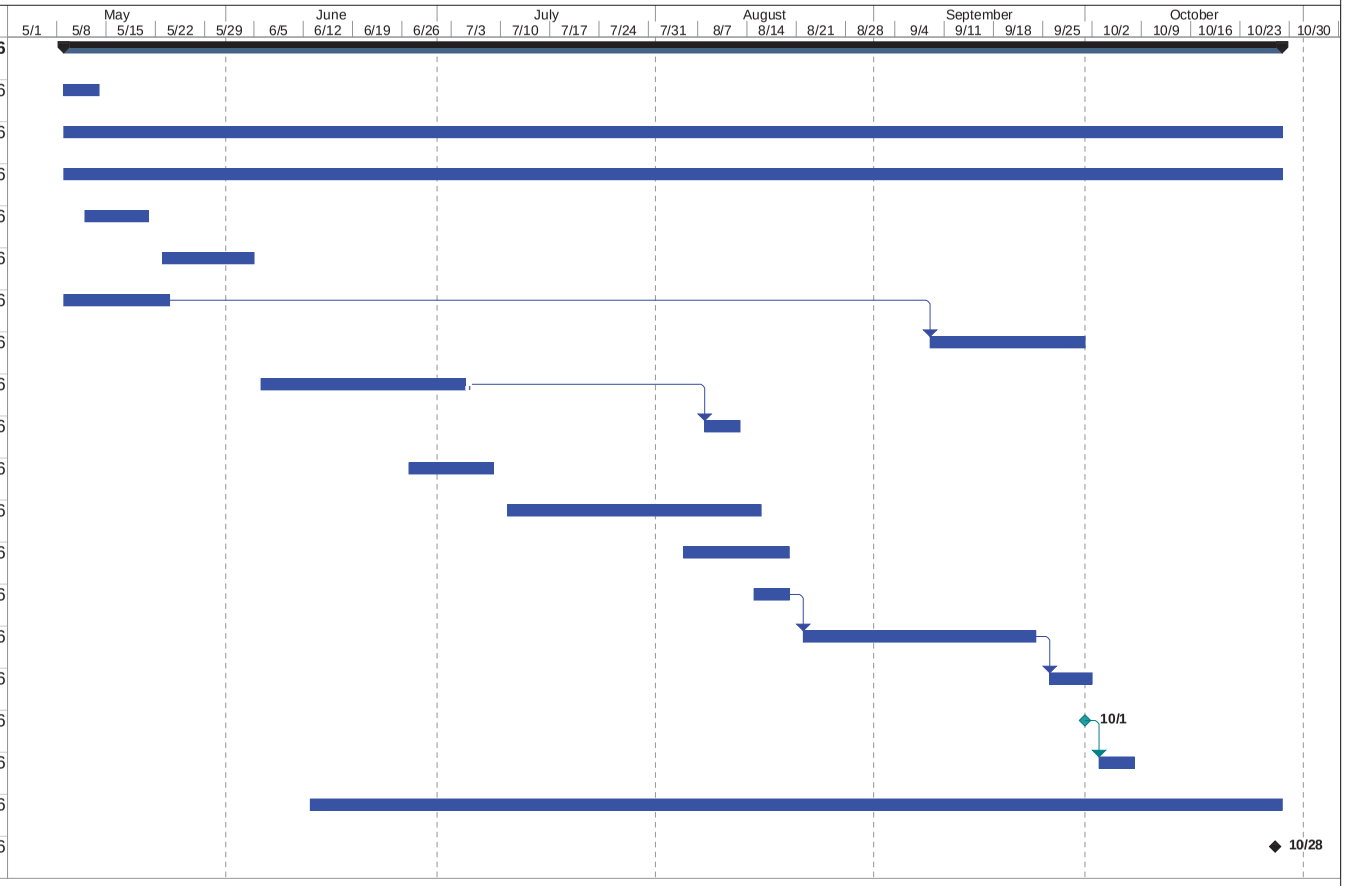
PROJECT NAME: HUNTINGTON
PROJECT NUMBER: BRO 1445(35)

FILE NAME: sl2j162erodet.dgn
PROJECT LEADER: C. CARLSON
DESIGNED BY: D. PETERSON
EPSC DETAILS 2

PLOT DATE: 15-OCT-2015
DRAWN BY: R. PELLETT
CHECKED BY: D. PETERSON
SHEET 42 OF 44

Huntington BRO 1445 (35)

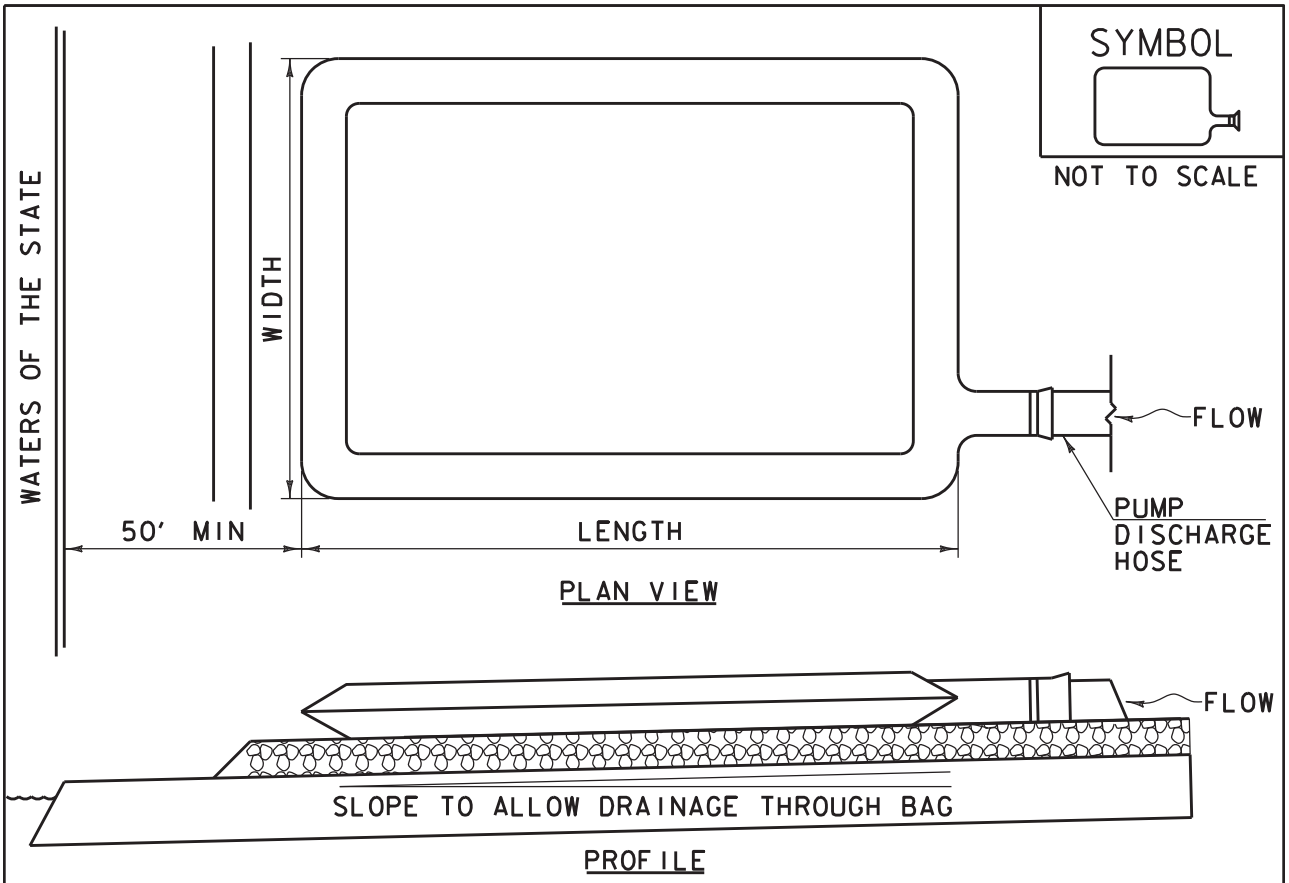
ID	Task Name	Duration	Start	Finish
1	**Spring 2016**	**127 days**	**Mon 5/9/16**	**Fri 10/28/16**
2	Mobilization	5 days	Mon 5/9/16	Fri 5/13/16
3	Traffic Control	127 days	Mon 5/9/16	Fri 10/28/16
4	Erosion Control	127 days	Mon 5/9/16	Fri 10/28/16
5	Clear/grub/Remove trees	7 days	Thu 5/12/16	Fri 5/20/16
6	Slope Work	11 days	Mon 5/23/16	Sat 6/4/16
7	Rough-in Approaches	11 days	Mon 5/9/16	Mon 5/23/16
8	Finish Approaches	16 days	Fri 9/9/16	Fri 9/30/16
9	Install Cofferdams	22 days	Mon 6/6/16	Tue 7/5/16
10	Remove cofferdams	5 days	Mon 8/8/16	Fri 8/12/16
11	Subfooting	10 days	Mon 6/27/16	Fri 7/8/16
12	Footings/Stems	26 days	Mon 7/11/16	Mon 8/15/16
13	Backfill/Stems	11 days	Fri 8/5/16	Fri 8/19/16
14	Stone Fill	5 days	Mon 8/15/16	Fri 8/19/16
15	Deck	25 days	Mon 8/22/16	Fri 9/23/16
16	Rails	6 days	Mon 9/26/16	Sat 10/1/16
17	Open new bridge	0 days	Sat 10/1/16	Sat 10/1/16
18	Demo existing bridge/approaches	5 days	Mon 10/3/16	Fri 10/7/16
19	Turf establishment	101 days	Mon 6/13/16	Fri 10/28/16
20	Demobilize	0 days	Fri 10/28/16	Fri 10/28/16



Project: Huntington BRO 1445-35 SCH
Date: Thu 3/10/16

Task		Project Summary		Inactive Summary		Manual Summary		External Milestone	
Split		External Tasks		Manual Task		Start-only		Progress	
Milestone		External Milestone		Duration-only		Finish-only		Deadline	
Summary		Inactive Milestone		Manual Summary Rollup		External Tasks			

Parent Construction, Inc.
PO Box 489 Hinesburg, V 05461
802.482.3564 | info@parentconstructionvt.com



CONSTRUCTION SPECIFICATIONS

1. THE PRIMARY PURPOSE OF FILTER BAG IS TO RETAIN SILT, SAND, AND FINES DURING DEWATERING OPERATIONS.
2. FILTER BAGS SHALL BE INSTALLED ON A VEGETATED SLOPE GRADED TO ALLOW INCOMING WATER TO FLOW THROUGH THE BAG.
3. FILTER BAGS MAY ALSO BE PLACED ON COARSE AGGREGATE, STONE, OR HAYBALES TO INCREASE FILTRATION EFFICIENCY.
4. FILTER BAGS SHALL BE LOCATED A MINIMUM OF 50' FROM WATERS OF THE STATE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. THE NECK OF THE FILTER BAG SHALL BE STRAPPED TIGHTLY TO THE DISCHARGE HOSE.
6. A FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR ALLOW WATER TO PASS AT A REASONABLE RATE.
7. FILTER BAG SHALL BE DISPOSED OF AS APPROVED IN THE EPSC PLAN OR AS DIRECTED BY THE ENGINEER.

Contractor EPSCP
Huntington BRO 1445(35) 2016.04.05
M.Montgomery of VT Compliance

FILTER BAG

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR FILTER BAG (PAY ITEM 653.45) AND AS SPECIFIED IN THE CONTRACT.

REVISIONS	
MARCH 24, 2008	WHF
JANUARY 13, 2009	WHF

VTrans Vermont Agency of Transportation	2016 EPSC Plan Inspection Report	(Non-Jurisdictional and Low Risk Projects)

Project Name: Huntington BRO 1445(35)	**Date:**	**Time Since Last Storm:**
Inspector: Matt Montgomery, VCM	**On-Site Coordinator:** (signature required)	

Measure Inspected	Y	N	STA/Off	Corrective Action (CA) Required	Date CA Occurred
Boundary Limits					
Site boundary markers are up and visible					
Disturbance is only occurring within marked boundaries					
Disturbance Area Limit					
Only acreage listed on *Authorization to Discharge* is disturbed at one time					
Stabilized Construction Entrance/Exit					
Off site tracking of sediment prevented					
Sediment Barriers					
Measure has been installed properly and is functioning as designed					
Accumulated sediment < ½ height of measure					
Diversion					
Upland stormwater is diverted around the work area					
Channelized Runoff					
Check structures are in place, extend the width of the channel, and have capacity to retain sediment in the next storm event					
Channels are stable with no erosion					
Exposed Soils Stabilization					
Seed and mulch, and/or matting placed in accordance w/ permit requirements and/or Specifications					
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 Treatment					
Measure is preventing a discharge of turbid water from leaving the site					
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.