



CONSTRUCTION LEADERS

LETTER OF TRANSMITTAL	
DATE: <b>March 2, 2015</b>	PCL JOB NO: <b>5515002</b>
ATTN: <b>Chris Barker</b>	TRANSMITTAL NO: <b>022</b>

To: **State of Vermont Agency of Transportation**  
 One National Life Drive  
 Montpelier, VT 05633-5001  
 (802) 828-0053

Re: Hartford Lateral Slide  
 Project No.: IM 091-2(79)  
 Contract ID.: 12A132

County: Windsor PCL FILE NO: 5515002-15.1

WE ARE SENDING  Attached \_\_\_\_\_ Under separate cover via Email & SP the following:  
 \_\_\_\_\_ Shop drawings \_\_\_\_\_ Prints  Plans \_\_\_\_\_ Samples \_\_\_\_\_ Specifications  
 \_\_\_\_\_ Copy of Letter \_\_\_\_\_ Change Order  Other

COPIES	SPEC.	REVISION	DESCRIPTION
1	652.05	1	EPSC Site Plan
1	652.05	1	Risk Evaluation
1	652.05	1	Notice of Intent

TRANSMITTED for as checked below:

For approval \_\_\_\_\_ Approved as submitted \_\_\_\_\_ Resubmit 1 Copies for approval  
 \_\_\_\_\_ For your use \_\_\_\_\_ Approved as noted \_\_\_\_\_ Submit \_\_\_\_\_ Copies for distribution  
 \_\_\_\_\_ As requested \_\_\_\_\_ Returned for corrections \_\_\_\_\_ Return \_\_\_\_\_ Corrected prints  
 \_\_\_\_\_ For review and comment

**Remarks:**

This submittal was emailed to the Agency March 1, 2015 without an official cover sheet. This submittal has not changed, only added official cover sheet.

Please return an email of this approved submittal to Erich Heymann ([ewheymann@pcl.com](mailto:ewheymann@pcl.com)) and Jeremy Mackling ([jmackling@pcl.com](mailto:jmackling@pcl.com)).

We request the review and return of this submittal within 1 day if it is required to be approved prior to installation of the Smart Work Zone and 10 days if it is required to be approved prior to work commencing on March 23. Please advise if this request cannot be met so we can plan accordingly.

By: **Erich Heymann**, Project Engineer

COPY TO: Project Files



**CONSTRUCTION LEADERS**

**SUBMITTAL NO. : 15.1  
EPSC Site Plan**

<b>Item No.</b>	<b>Specification</b>	<b>Description</b>
1	652.05	EPSC Site Plan
1	652.05	Risk Evaluation
1	652.05	Notice of Intent

***PROJECT:***  
**HARTFORD LATERAL SLIDE**  
**PROJECT NO.: IM 091-2(79)**  
**CONTRACT ID.: 12A132**

***OWNER:***  
**STATE OF VERMONT AGENCY OF TRANSPORTATION**

***ENGINEER OF RECORD:***  
**STATE OF VERMONT AGENCY OF TRANSPORTATION**

***CONTRACTOR:***  
**PCL CIVIL CONSTRUCTORS, INC.**

**MARCH 2, 2015**

# EPSC PLAN NARRATIVE

## 1.1 PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REMOVAL OF BRIDGE 43N AND 43S ON INTERSTATE 91 OVER US-5 AND LOCATED IN THE TOWN OF HARTFORD, VT. BRIDGES 43N AND 43S WILL BE REPLACED WITH SINGLE SPAN BRIDGES. BOTH BRIDGES WILL BE BUILT ON THE EXISTING ALIGNMENT. BRIDGE 43N AND 43S WILL BOTH BE APPROXIMATELY 136 FEET IN LENGTH.

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 ATTACHED EPSC PLAN.

TOTAL AREA OF DISTURBED EARTH (UNPAVED AREAS) AS SHOWN ON THE ATTACHED EPSC PLAN IS APPROXIMATELY 5.90 ACRES.

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

## 1.2 SITE INVENTORY

### 1.2.1 TOPOGRAPHY

THE TOPOGRAPHY OF THE AREA IS SLOPING OPEN GROUND WITH SOME AREAS THAT ARE GENTLY SLOPING TO NEARLY FLAT. INTERSTATE 91 AND US-5 ARE RELATIVELY FLAT BUT WITH SLOPING AREAS BETWEEN THE TWO CORRIDORS.

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

THERE ARE NUMEROUS EXISTING AND PROPOSED DRAINAGE SYSTEMS WITHIN THE PROJECT LIMITS, INCLUDING CULVERTS, DROP INLETS, STONE LINED DITCHES AND GRASS SWALES. SOME CULVERTS AND DRAINAGE DITCHES WITHIN THE PROJECT LIMITS DRAIN TO AN EXISTING STORM WATER RETENTION POND OUTSIDE OF THE PROJECT LIMITS. FOR DETAILS SEE THE DRAINAGE LAYOUT SHEET.

### 1.2.3 VEGETATION

THE VEGETATION IN THE PROJECT AREA CONSISTS OF MOWED GRASSES.

### 1.2.4 SOILS

ALL SOIL DATA CAME FROM THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE FOR THE COUNTY OF WINDSOR, VERMONT.

GLOVER VERSHIRE COMPLEX	15% - 35% SLOPES	"K" FACTOR = 0.32 - 0.28
URBAN LAND WINDSOR-AGAWAM COMPLEX	0% - 8% SLOPES	"K" FACTOR = 0.17 - 0.28

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: NO  
HISTORICAL OR ARCHEOLOGICAL AREAS: NO  
PRIME AGRICULTURAL LAND: NO  
THREATENED AND ENDANGERED SPECIES: NO  
WATER RESOURCE: NO  
WETLANDS: NO

## 1.3 RISK EVALUATION

THIS PROJECT FALLS UNDER THE JURISDICTION OF GENERAL PERMIT 3-9020 FOR STORMWATER RUNOFF FROM CONSTRUCTION SITES FOR LOW RISK PROJECTS. ANY MODIFICATIONS TO THE PROJECT THAT INCREASE THE RISK TO ENVIRONMENTAL RESOURCES SHALL BE EVALUATED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL PERMITTING.

## 1.4 EROSION PREVENTION AND SEDIMENT CONTROL

THE EROSION CONTROL 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.

BARRIER FENCE (BF) 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 AND ANYWHERE EQUIPMENT WILL BE GOING FROM AREAS OF EXPOSED SOILS TO PAVED SURFACES.

### 1.4.4 INSTALL SEDIMENT BARRIERS

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

FILTER FABRIC DROP INLET PROTECTION SHALL BE INSTALLED AS PROPOSED ON THE EPSC PLANS.

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.

### 1.4.6 SLOW DOWN CHANNELIZED RUNOFF

CHECK STRUCTURES SHALL BE UTILIZED TO REDUCE THE VELOCITY, AND THUS THE EROSION 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. CULVERTS, DROP INLETS, STONE LINED DITCHES AND GRASS SWALES SHALL BE INSTALLED AS SHOWN ON THE DRAINAGE LAYOUT SHEET.

### 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.

SURFACE ROUGHENING OF ALL EXPOSED SLOPES, COMBINED WITH TEMPORARY MULCHING, SHALL BE UTILIZED ON A REGULAR BASIS. BIODEGRADABLE EROSION CONTROL MATTING 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 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 MATTING 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.

DEWATERING IS NOT ANTICIPATED ON THIS PROJECT SITE.

### 1.4.12 INSPECT YOUR SITE

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

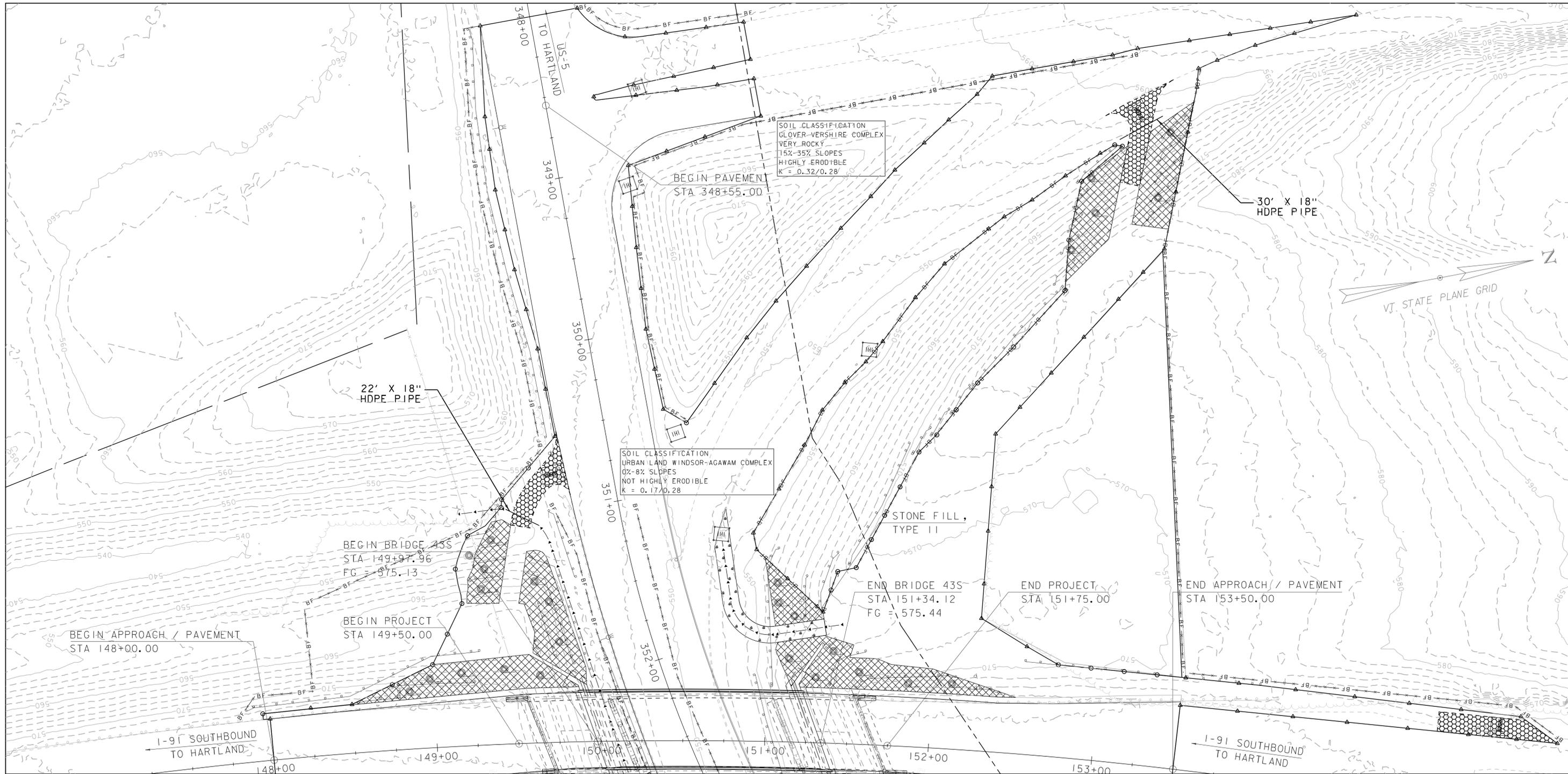
## 1.5 SEQUENCE AND STAGING

### 1.5.1 CONSTRUCTION SEQUENCE:

- INSTALL ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES. ESTABLISH NECESSARY MAINTENANCE OF TRAFFIC MEASURES. CONSTRUCT PROJECT SITE ACCESS ROADS AND PREPARE STAGING AREAS.
- CONSTRUCT ABUTMENTS UP TO THE UNDERSIDE OF THE EXISTING BRIDGES. CONSTRUCT REPLACEMENT BRIDGE SUPER-STRUCTURES ON FALSE WORK.
- CLOSE I-91 TO TRAFFIC AND IMPLEMENT DETOURS. COMPLETE DEMOLITION OF EXISTING I-91 BRIDGES. SLIDE NEW BRIDGE SUPER-STRUCTURES INTO PLACE, BACKFILL AND RECONSTRUCT APPROACH ROADWAYS.
- REVEGETATE DISTURBED AREAS OF THE PROJECT SITE, INCLUDING STAGING AREAS. REMOVE TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES. REMOVE MAINTENANCE OF TRAFFIC MEASURES.



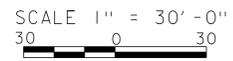
PROJECT NAME: HARTFORD	FILE NAME: sl2al32ero.narrative.dgn	PLOT DATE: 27-FEB-2015
PROJECT NUMBER: IM 091-2(79)	PROJECT LEADER: K. HIGGINS	DRAWN BY: R. MEEK
	DESIGNED BY: R. MEEK	CHECKED BY: S. SAWYER
	EPSC NARRATIVE	SHEET 1 OF 6



MATCHLINE STA 352+75.00

- LEGEND**
- BF — BARRIER FENCE
  - SILT FENCE
  - CHECK DAM
  - ▨ ROLLED EROSION CONTROL PRODUCT
  - ▩ INLET PROTECTION
  - ▧ STABILIZED CONSTRUCTION ENTRANCE

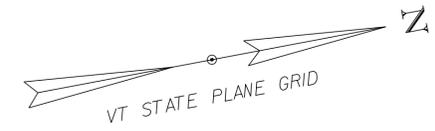
EPSC DURING CONSTRUCTION SHEET 1



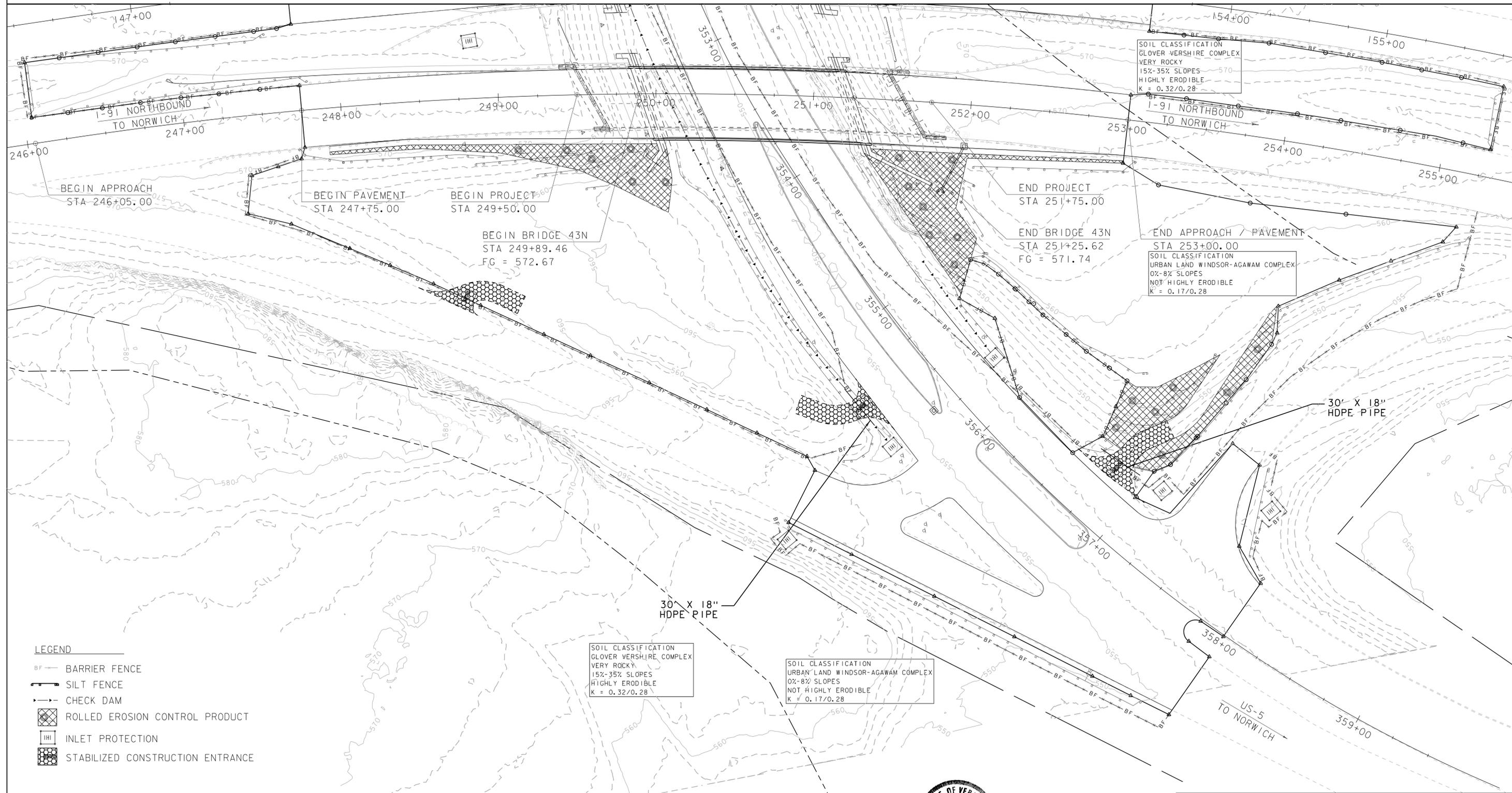
STEPHEN S. SAWYER  
REGISTERED PROFESSIONAL ENGINEER  
No. 4040  
2/27/15

PREPARED BY:  
**SEBAGO**  
TECHNICS

PROJECT NAME: HARTFORD	PLOT DATE: 27-FEB-2015
PROJECT NUMBER: IM 091-2(79)	DRAWN BY: R. MEEK
FILE NAME: sl2al32bdr_ero_dur.dgn	CHECKED BY: S. SAWYER
PROJECT LEADER: K. HIGGINS	SHEET 2 OF 6
DESIGNED BY: R. MEEK	
EPSC DURING CONSTRUCTION SHEET 1	



MATCHLINE STA 352+75.00

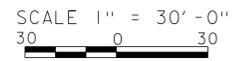


- LEGEND**
- BF — BARRIER FENCE
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  - INLET PROTECTION
  - ▩ STABILIZED CONSTRUCTION ENTRANCE

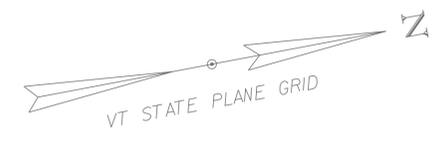
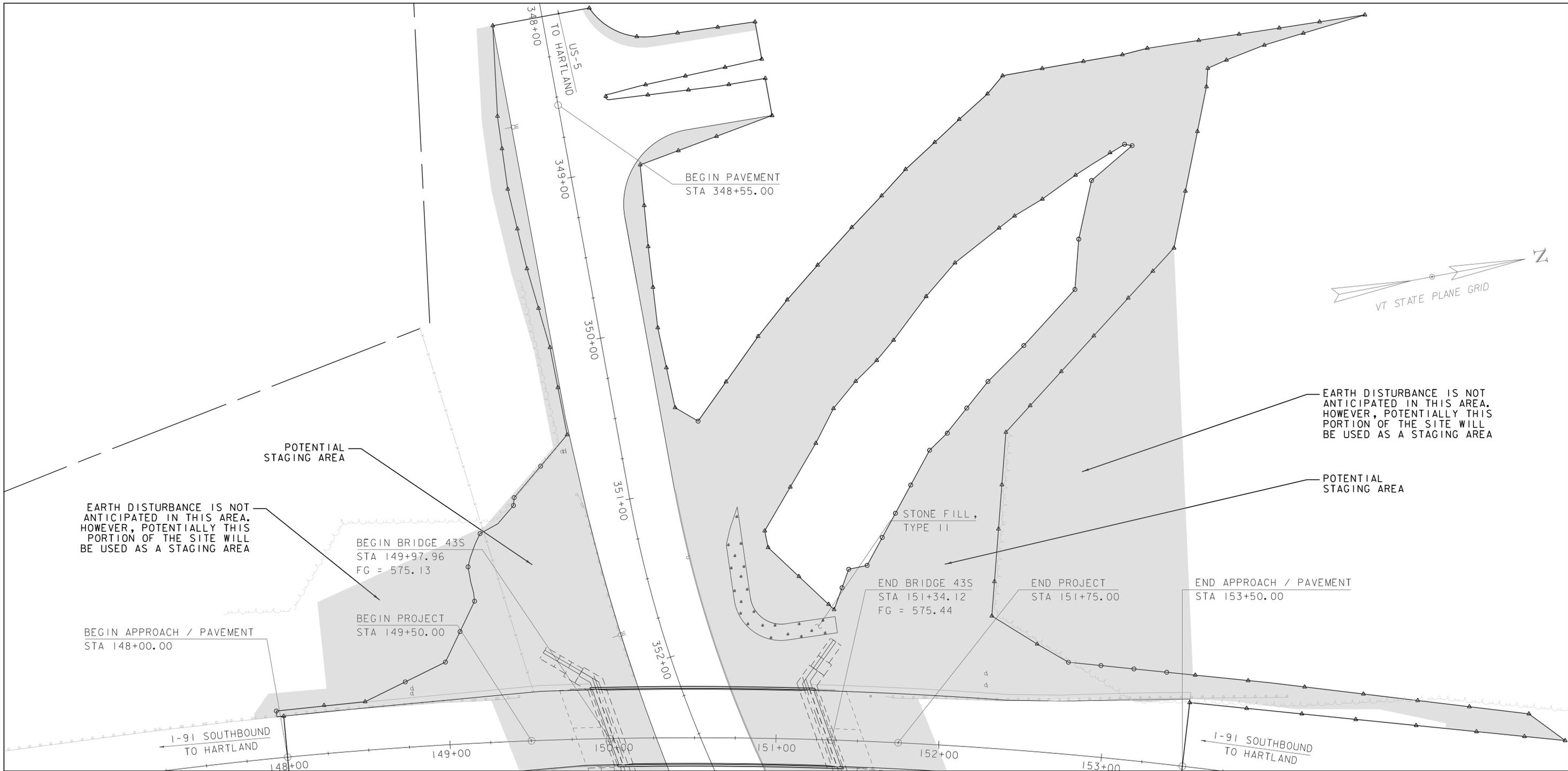
**NOTES:**

1. TEMPORARY CRANE PAD TO BE DESIGNED BY CONTRACTOR.

EPSC DURING CONSTRUCTION SHEET 2



PROJECT NAME:	HARTFORD	FILE NAME:	sl2al32bdr_ero_dur.dgn	PLOT DATE:	27-FEB-2015
PROJECT NUMBER:	IM 091-2(79)	PROJECT LEADER:	K. HIGGINS	DRAWN BY:	R. MEEK
		DESIGNED BY:	R. MEEK	CHECKED BY:	S. SAWYER
		EPSC DURING CONSTRUCTION SHEET 2		SHEET	3 OF 6



EARTH DISTURBANCE IS NOT ANTICIPATED IN THIS AREA. HOWEVER, POTENTIALLY THIS PORTION OF THE SITE WILL BE USED AS A STAGING AREA

POTENTIAL STAGING AREA

BEGIN BRIDGE 43S  
STA 149+97.96  
FG = 575.13

BEGIN PROJECT  
STA 149+50.00

BEGIN APPROACH / PAVEMENT  
STA 148+00.00

BEGIN PAVEMENT  
STA 348+55.00

STONE FILL,  
TYPE II

END BRIDGE 43S  
STA 151+34.12  
FG = 575.44

END PROJECT  
STA 151+75.00

END APPROACH / PAVEMENT  
STA 153+50.00

EARTH DISTURBANCE IS NOT ANTICIPATED IN THIS AREA. HOWEVER, POTENTIALLY THIS PORTION OF THE SITE WILL BE USED AS A STAGING AREA

POTENTIAL STAGING AREA

← I-91 SOUTHBOUND  
TO HARTLAND

← I-91 SOUTHBOUND  
TO HARTLAND

MATCHLINE STA 352+75.00

■ AREAS OF EARTH DISTURBANCE THAT MAY REQUIRE REVEGETATION.

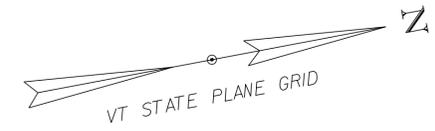
EPSC FINAL CONDITIONS SHEET 1

SCALE 1" = 30'-0"  
30 0 30

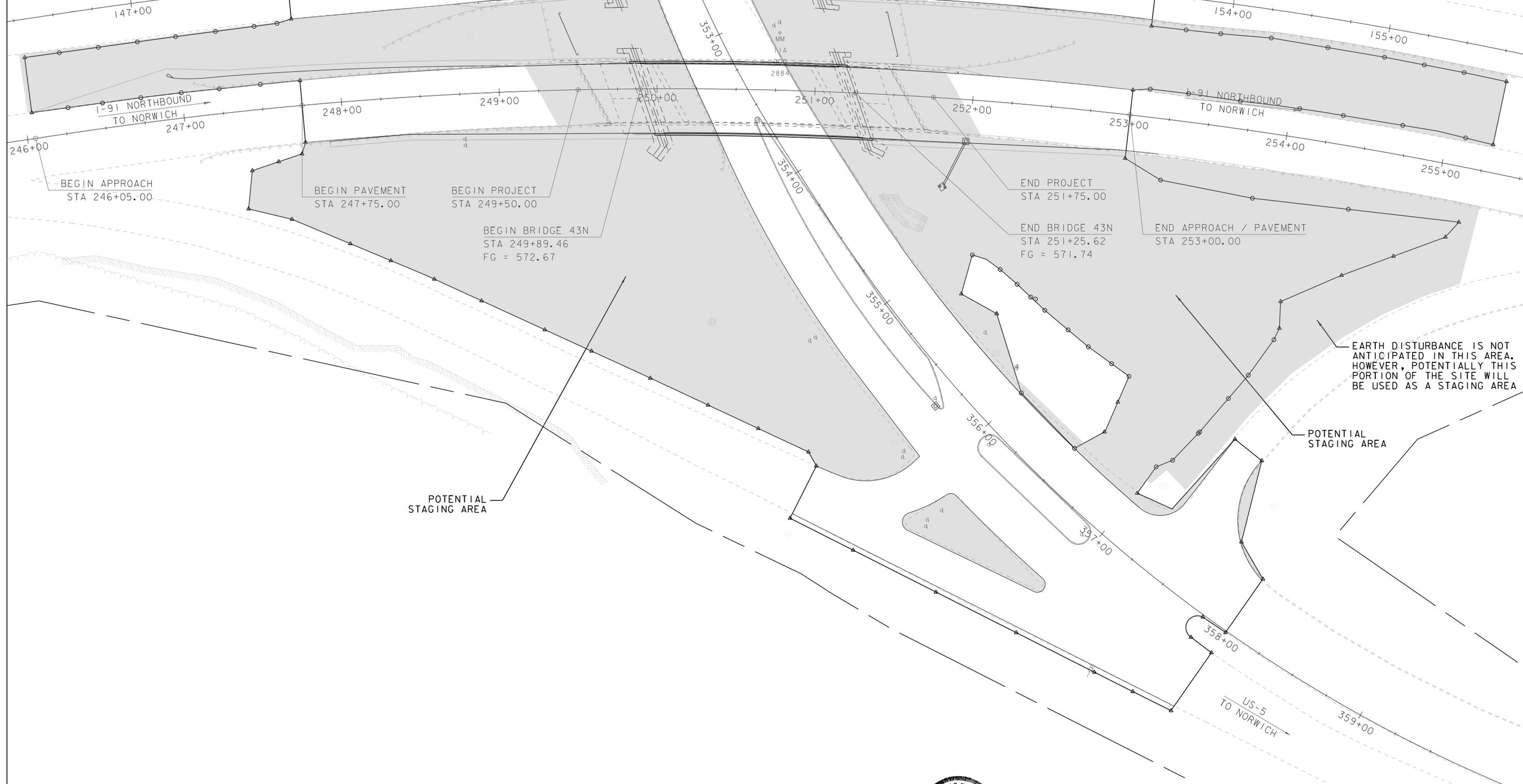
STEPHEN S. SAWYER  
No. 4040  
REGISTERED PROFESSIONAL ENGINEER  
2/27/15

PREPARED BY:  
**SEBAGO**  
TECHNICS

PROJECT NAME: HARTFORD	FILE NAME: sl2a32bdr_ero_final.dgn	PLOT DATE: 27-FEB-2015
PROJECT NUMBER: IM 091-2(79 101/100)	PROJECT LEADER: K. HIGGINS	DRAWN BY: R. MEEK
	DESIGNED BY: R. MEEK	CHECKED BY: S. SAWYER
	EPSC FINAL CONDITIONS SHEET 1	SHEET 4 OF 6



MATCHLINE STA 352+75.00



BEGIN APPROACH  
STA 246+05.00

BEGIN PAVEMENT  
STA 247+75.00

BEGIN PROJECT  
STA 249+50.00

BEGIN BRIDGE 43N  
STA 249+89.46  
FG = 572.67

END PROJECT  
STA 251+75.00

END BRIDGE 43N  
STA 251+25.62  
FG = 571.74

END APPROACH / PAVEMENT  
STA 253+00.00

EARTH DISTURBANCE IS NOT ANTICIPATED IN THIS AREA. HOWEVER, POTENTIALLY THIS PORTION OF THE SITE WILL BE USED AS A STAGING AREA

POTENTIAL STAGING AREA

POTENTIAL STAGING AREA

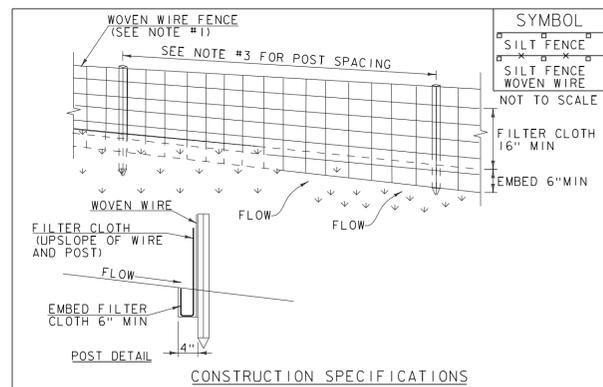
■ AREAS OF EARTH DISTURBANCE THAT MAY REQUIRE REVEGETATION.

EPSC FINAL CONDITIONS SHEET 2

SCALE 1" = 30'-0"  
30 0 30



PROJECT NAME:	HARTFORD	FILE NAME:	sl2al32bdr_ero_final.dgn	PLOT DATE:	27-FEB-2015
PROJECT NUMBER:	IM 091-2(79 101/100)	PROJECT LEADER:	K. HIGGINS	DRAWN BY:	R. MEEK
		DESIGNED BY:	R. MEEK	CHECKED BY:	S. SAWYER
		EPSC FINAL CONDITIONS SHEET 2		SHEET	5 OF 6



- CONSTRUCTION SPECIFICATIONS**
- 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.
  - FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFIBROX, STABILINKA T140N OR APPROVED EQUIVALENT.
  - 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'.
  - 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.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

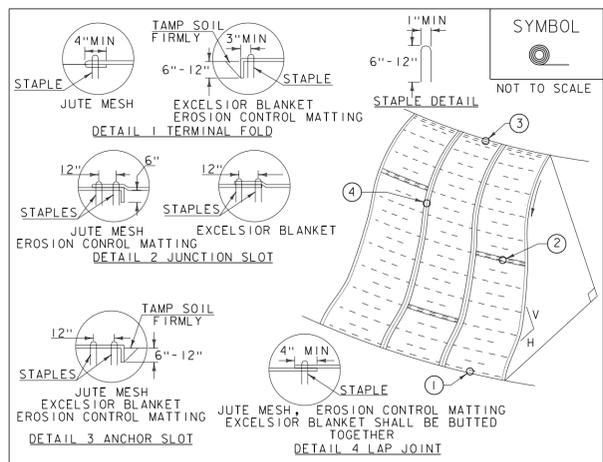
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC  
ORIGINALLY DEVELOPED BY USDA-NRCS  
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**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 649.50) OR GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED (PAY ITEM 649.51).

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



- CONSTRUCTION SPECIFICATIONS**
- APPLY TO SLOPES GREATER THAN 3H:1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
  - APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
  - 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.
  - DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
  - ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC  
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 WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 AND AS SHOWN IN THE PLANS FOR TEMPORARY EROSION MATTING (PAY ITEM 653.20) OR PERMANENT EROSION MATTING (PAY ITEM 653.20).

REVISIONS	
APRIL 16, 2007	JMF
JANUARY 13, 2009	WHF

**VAOT LOW GROW/FINE FESCUE MIX**

WEIGHT	BROADCAST	HYDROSEED	NAME	LATIN NAME	GERM	PURITY
38%	57	95	CREeping RED FESCUE	FESTUCA RUBRA VAR. RUBRA	85%	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**

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
500 LBS/AC	2 TONS/AC
	1 TONS/AC

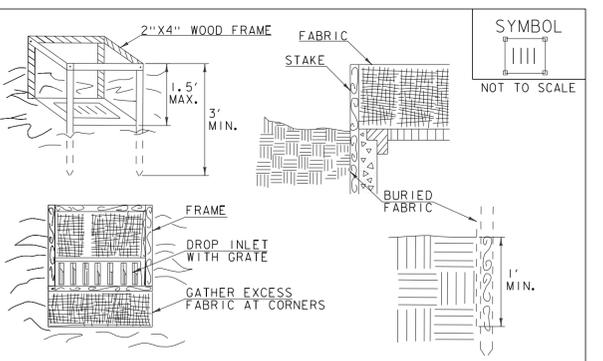
- CONSTRUCTION GUIDANCE**
- SEED MIX: THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER ON WHICH SEED MIX TO USE.
  - SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
  - ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
  - FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
  - 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.
  - 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.
  - 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 VTTRANS TECHNICAL LANDSCAPE MANUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES

**TURF ESTABLISHMENT**

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 651 FOR SEED (PAY ITEM 651.05)

REVISIONS	
JANUARY 12, 2015	WHF



- CONSTRUCTION SPECIFICATIONS**
- FILTER FABRIC SHALL HAVE AN APPARENT OPENING SIZE OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
  - CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
  - STAKE MATERIALS WILL BE STANDARD 2"x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3'.
  - SPACE STAKES EVENLY AROUND INLET 3' APART AND DRIVE A MINIMUM 18" DEEP. SPANS GREATER THAN 3' MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
  - FABRIC SHALL BE EMBEDDED 1' MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
  - A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
  - MAXIMUM DRAINAGE AREA 1 ACRE

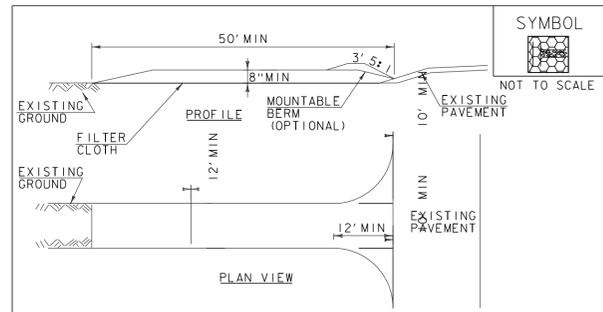
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC  
ORIGINALLY DEVELOPED BY USDA-NRCS  
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**FILTER FABRIC DROP INLET PROTECTION**

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 INLET PROTECTION DEVICE, TYPE 1 (PAY ITEM 653.40).

REVISIONS	
MARCH 7, 2008	WHF
JANUARY 13, 2009	WHF



- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE- USE 1-4" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - LENGTH- NOT LESS THAN 50'. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
  - THICKNESS- NOT LESS THAN 8".
  - WIDTH- 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24" IF SINGLE ENTRANCE TO SITE.
  - GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
  - 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.
  - 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.
  - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

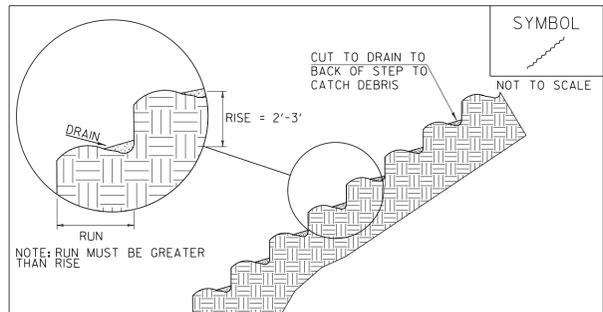
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC  
ORIGINALLY DEVELOPED BY USDA-NRCS  
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**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



- CONSTRUCTION SPECIFICATIONS**
- NOTE: RUN MUST BE GREATER THAN RISE
- STAIR STEPPING CUT SLOPES**
- NOTE: GROOVE SLOPE BY CUTTING FURROWS ALONG THE CONTOUR. IRREGULARITIES IN THE SOIL SURFACE CATCH RAINWATER AND RETAIN LIME, FERTILIZER AND SEED.

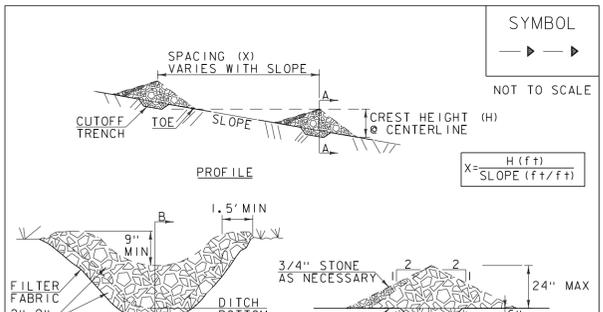
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC  
ORIGINALLY DEVELOPED BY USDA-NRCS  
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**SURFACE ROUGHENING**

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 CONSIDERED INCIDENTAL TO THE CONTRACT

REVISIONS	
APRIL 4, 2008	WHF
JANUARY 13, 2009	WHF



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

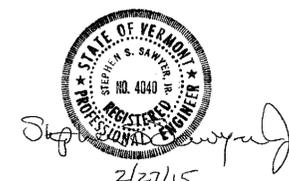
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC  
ORIGINALLY DEVELOPED BY USDA-NRCS  
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**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 1 (PAY ITEM 653.25)

REVISIONS	
MARCH 21, 2008	WHF
JANUARY 8, 2009	WHF



PREPARED BY:  
**SEBAGO**  
TECHNICS

PROJECT NAME: HARTFORD  
PROJECT NUMBER: IM 091-2(79 101/100)

FILE NAME: sl2al32er0-d+tails.dgn  
PROJECT LEADER: K. HIGGINS  
DESIGNED BY: R. MEEK  
EPSC DETAILS

PLOT DATE: 27-FEB-2015  
DRAWN BY: R. MEEK  
CHECKED BY: S. SAWYER  
SHEET 6 OF 6

## APPENDIX A - RISK EVALUATION

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Accurately answering the questions in this appendix will allow you to determine whether a proposed construction project is considered a Low Risk or Moderate Risk project, which defines the application and permit requirements that are applicable to your project.

The risk evaluation procedure consists of two parts. Part I is a Basic Risk Evaluation, which determines if a project is automatically categorized as Low Risk based upon the answers to a few basic questions.

If a project is not automatically categorized as Low Risk based upon the Basic Risk Evaluation, you must complete Part II, Detailed Risk Evaluation, to determine the risk category for your project. This part includes questions on more detailed aspects of the project.

Once the appropriate risk category has been determined, refer to Part III for the application requirements.

**You should be aware that each completed Appendix A is incorporated by reference and included in the terms of this general permit, and each permittee shall undertake its construction activities in accordance with the completed Appendix A, as a condition of this permit. Failure to comply with the completed Appendix A shall be deemed a violation of this permit and subject to enforcement action.**

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**APPENDIX A**

**Part I – Basic Risk Evaluation**

A project may automatically be categorized as Low Risk based on a few basic project characteristics. Answer each question below to determine if a project is automatically categorized as Low Risk. For definitions of terms used in the following questions (e.g. disturbance, vegetated buffer) refer to Appendix C.

<b>Basic Risk Evaluation</b>				
	<b>Criteria</b>	<b>Answer</b>	<b>Score Direction</b>	<b>Enter Score</b>
1.	Will the proposed independent project alone disturb more than 2 acres of land?	YES NO	If YES, enter 1, if NO enter 0	
2.	Is the project within a watershed impaired due to stormwater or sediment as specified on Part A of the Vermont 303(d) list?	YES NO	If YES, enter 1, if NO enter 0	
3.	Will the project have any stormwater discharges from the construction site to receiving water(s) that <b>do not</b> first pass through a 50 ft vegetated buffer area?	YES NO	If YES, enter 1, if NO enter 0	
4.	Will the project have disturbed earth in any one location for more than 14 consecutive calendar days without temporary or final stabilization?	YES NO	If YES, enter 1, if NO enter 0	
5.	Will the project have more than five acres of disturbed earth at any one time?	YES NO	If YES, enter 1, if NO enter 0	
<b>Total Score for Basic Risk Evaluation (add score from questions 1-5)</b>				

**If the Total Score for Basic Risk Evaluation is 0, the proposed project is eligible for coverage under this permit as a Low Risk project. Proceed to Part IV of Appendix A for a summary of the application requirements for Low Risk Projects. If not, proceed to Part II.**

**Criterion 1:** Only include the disturbance planned for an independent project. For example, if a lot owner is only building on a single house lot in a residential subdivision, only consider the disturbance associated with that lot, not the entire common plan. Refer to Appendix C for definitions of independent project and disturbance.

**Criterion 2:** Refer to the following web page for a list of waters in these categories:  
[http://www.vtwaterquality.org/stormwater/htm/sw\\_cgpeligibility.htm](http://www.vtwaterquality.org/stormwater/htm/sw_cgpeligibility.htm)

**Criterion 3:** Refer to the Appendix C for the definition of vegetated buffer area.

**Criterion 4:** Refer to Appendix C for definitions of temporary and final stabilization.

**Criterion 5:** Refer to Appendix C for the definition of disturbed earth.

## Part II – Detailed Risk Evaluation

For projects not automatically categorized as Low Risk in Part I, this Detailed Risk Evaluation must be completed to determine if a project is Low Risk, Moderate Risk, or requires an Individual Permit. This evaluation determines the risk category by weighing the balance of factors which contribute to and mitigate against the risk of a discharge of sediment from the construction project. Complete all questions in Part II for the independent project. For definitions of terms used in the evaluation, refer to Appendix C.

Detailed Risk Evaluation – Identify Risk Factors				
Criteria		Answer	Score Direction	Enter Score
A.	Will the proposed project have earth disturbance within 100 ft (horizontal) upslope of any lake or pond or 50 feet (horizontal) upslope of any rivers or stream (perennial or seasonal)?	YES NO	If YES, enter 1, if NO enter 0	
B.	Will the project have stormwater discharges by direct conveyance (tributary, channel, ditch, storm sewer, etc.) to a water of the state listed on the 303 (d) Part A list as being impaired by stormwater or sediment; a Class A Water; or an Outstanding Resource Water?	YES NO	If YES, enter 1, if NO enter 0	
C.	Will the project have more than five acres of disturbed earth at any one time?	YES NO	If YES, enter 1, if NO enter 0	
D.	Will the project have disturbed earth in any one location for more than 14 consecutive calendar days without temporary or final stabilization?	YES NO	If YES, enter 1, if NO enter 0	
E.	Will the project include more than one acre of disturbance on soil that is greater than 15% slope?	YES NO	If YES, enter 1, if NO enter 0	
F.	Will the project include more than one acre of disturbance of soils with a high ( $K > 0.36$ ) erodibility rating?	YES NO	If YES, enter 1, if NO enter 0	
G.	<b>Total Score for Risk Factors (add A through F)</b>			

**Criterion A:** Measure lake distance from mean water level, and stream or river distance from top of bank. Do not include disturbance for the installation of stormwater treatment facilities or road stream crossings if there are no reasonable alternative locations.

**Criterion B:** Refer to [http://www.vtwaterquality.org/stormwater/htm/sw\\_cgpeeligibility.htm](http://www.vtwaterquality.org/stormwater/htm/sw_cgpeeligibility.htm) for the listing.

**Criterion C:** The maximum allowable for Low Risk Projects is 7 acres. **Moderate risk projects over 5 acres may be required to file an Individual Discharge Permit application if determined necessary by the Secretary.**

**Criterion D:** The maximum allowable for Low Risk Projects is 21 days. **Moderate risk projects over 21 days may be required to file an Individual Discharge Permit application if determined necessary by the Secretary.**

**Criterion E:** Include disturbance for the duration of the project, not at any one point in time. Slope determinations should be based on a site survey of the future disturbance area.

**Criterion F:** Include disturbance for the entire individual project, not at any one point in time. The Erosion Factor K, is a measure of the inherent erodibility of a soil type. Refer to NRCS soil maps for your county. If soils data is not available (e.g. if the site is built on assorted fill material), contact ANR for directions on evaluating soil erodibility.

## **Part II Continued – Detailed Risk Mitigation Factor Evaluation**

<b>Detailed Risk Evaluation – Identify Risk Mitigation Factors</b>				
<b>Criteria</b>		<b>Answer</b>	<b>Score Direction</b>	<b>Enter Score</b>
H.	Will stormwater leaving the construction site pass through at least 50 feet of established vegetated buffer before entering a receiving water?	YES NO	If YES, enter 1, if NO enter 0	
I.	Will the project be limited to two acres or less of disturbed earth at any one time?	YES NO	If YES, enter 1, if NO enter 0	
J.	Will the project have a maximum of 7 consecutive days of disturbed earth exposure in any location before temporary or final stabilization is implemented?	YES NO	If YES, enter 1, if NO enter 0	
K.	Will the project disturb less than two acres of soil with an erodibility higher than $K=0.17$ ?	YES NO	If YES, enter 1, if NO enter 0	
L.	Will the project include less than two acres of disturbance on soil that is greater than 5% slope?	YES NO	If YES, enter 1, if NO enter 0	
M.	<b>Total Score for Risk Mitigation Factors (add H through L.)</b>			

**Criterion H:** Refer to Appendix C for a definition of vegetated buffer.

**Criterion I:** Refer to Appendix C for a definition of earth disturbance.

**Criterion J:** Refer to Appendix C for definitions of temporary and final stabilization.

**Criterion K:** Include disturbance for the duration of the project, not at any one point in time. The Erosion Factor K, is a measure of the inherent erodibility of a soil type. Refer to NRCS soil maps available at USDA-NRCS District Offices. If soils data are not available (e.g. if the site is built on assorted fill material), contact DEC for directions on evaluating soil erodibility.

**Criterion L:** Include disturbance for the duration of the project, not at any one point in time. Slope determinations should be based on a site survey of the proposed disturbance area.

<b>Total Risk Score</b>		
N.	<b>Moderate Risk Base Score</b>	
O.	<b>Enter Score from Line G above (Risk Factor Total)</b>	
P.	<b>Add lines N and O</b>	
Q.	<b>Enter Score from Line M above (Risk Mitigation Factor Total)</b>	
R.	<b><u>OVERALL RISK SCORE:</u> Subtract line Q from line P</b>	

## Part III– Interpreting the Detailed Risk Evaluation

<b>OVERALL SCORE</b>	<b>Risk Category</b>	<b>Directions for Filing for Permits</b>
<b>&lt;1</b>	Low Risk	<p>The proposed project is eligible for the Construction General Permit as a Low Risk project provided that the requirements of Subpart 2 are met. If these requirements cannot be met, contact DEC to determine if the project should seek coverage as a Moderate Risk project or under an Individual Discharge Permit.</p> <p>Refer to Part IV of Appendix A for a summary of the application requirements for Low Risk projects.</p>
<b>1-2</b>	Moderate Risk	<p>The proposed project is eligible for the Construction General Permit as a Moderate Risk project provided that the requirements of Subpart 3 are met. If these requirements cannot be met, contact DEC to determine if the project should seek coverage as a Moderate Risk project or under an Individual Discharge Permit.</p> <p>Refer to Part IV of Appendix A for a summary of the application requirements for Moderate Risk projects.</p>
<b>&gt;2</b>	Requires Individual Permit	<p>The proposed project is not eligible for coverage under the Construction General Permit, and therefore requires coverage under an Individual Discharge Permit. Please refer to Stormwater Section on the Water Quality Division website for more information:  <a href="http://www.vtwaterquality.org/stormwater.htm">www.vtwaterquality.org/stormwater.htm</a>.</p>

## **Part IV – Filing Directions**

### **1. Low Risk Projects**

Projects that qualify as Low Risk are required to implement the applicable practices detailed in the *Low Risk Site Handbook for Erosion Prevention and Sediment Control*. To obtain coverage under General Permit 3-9020 as a Low Risk project, applicants must submit the following to DEC:

1. A completed Notice of Intent form for General Permit 3-9020;
2. A completed Appendix A;
3. The required processing fee.

To satisfy the public comment requirement, **applicants must file a copy of the completed Notice of Intent form, including a copy of Appendix A, with the municipal clerk in the municipalities where the project will occur prior to submitting this information to ANR. Details of the public notice process are in Part 2 of the general permit.**

### **2. Moderate Risk Projects**

Projects that qualify as Moderate Risk are required to implement a site-specific Erosion Prevention and Sediment Control (EPSC) Plan that conforms to *The Vermont Standards and Specifications for Erosion Prevention and Sediment Control*. To obtain coverage under General Permit 3-9020 as a Moderate Risk project, applicants must submit the following to DEC:

1. A completed Notice of Intent form for General Permit 3-9020;
2. A completed Appendix A;
3. A site-specific EPSC Plan;
4. A certification by the plan preparer that the EPSC Plan conforms to *The Vermont Standards and Specifications for Erosion Prevention and Sediment Control*;
5. The required processing fee.

To satisfy the public comment requirement, **applicants must file a copy of the completed Notice of Intent form, including a copy of Appendix A, with the municipal clerk in the municipalities where the project will occur prior to submitting this information to ANR. Details of the public notice process are in Part 3 of the general permit.**

# Notice of Intent (NOI)

for Stormwater Discharges Associated with  
Construction Activity on

## Low Risk Sites

Under Vermont Construction General Permit 3-9020

For Department Use Only  
NOI Number:



Submission of this completed Notice of Intent (NOI) constitutes notice that the entity in Section A intends to be authorized to discharge pollutants to waters of the State, from the project identified in Section C, under Vermont's Construction General Permit (CGP). Submission of the NOI constitutes notice that the party identified in Section A of this form has read, understands, and meets the eligibility conditions of the CGP; has determined that the project qualifies for coverage as a Low Risk project in conformance with Appendix A of the CGP; agrees to comply with all applicable terms and conditions of the CGP; understands that continued authorization under the CGP is contingent on maintaining eligibility for coverage; and that all applicable practices in the Low Risk Site Handbook for Erosion Prevention and Sediment Control must be implemented and maintained for the duration of construction activities. In order to be granted coverage, all information required on this form must be provided and an application fee of \$50 payable to the State of Vermont must be submitted.

### A. Landowner Information

1a. Name: Vermont Agency of Transportation 1b. Contact (if applicable): Andrea Wright  
2. Mailing Address  
a. Street/P.O. Box: One National Life Drive  
b. City/Town: Montpelier c. State: Vermont d. Zip: 05633  
3. Contact Information  
a. Phone: \_\_\_\_\_ b. Fax: \_\_\_\_\_ c. Email: \_\_\_\_\_

### B. Principal Operator Information (if known)

1. Name: PCL Civil Constructors, Inc.  
2. Mailing Address  
a. Street/P.O. Box: 3810 Northdale Blvd, Suite 200  
b. City/Town: Tampa c. State: Florida d. Zip: 33624  
3. Contact Information  
a. Phone: 813-264-9500 b. Fax: 813-264-6689 c. Email: jmackling@pcl.com

### C. Application Preparer Information (if applicable)

1a. Name: Sebago Technics, Inc. 1b. Contact (if applicable): Stephen Sawyer  
2. Mailing Address:  
a. Street/P.O. Box: 75 John Roberts Road, Suite 1A  
b. City/Town: South Portland c. State: ME d. Zip: 04106  
3. Contact Information  
a. Phone: 207-200-2100 b. Fax: 207-856-2206 c. Email: ssawyer@sebagotechnics.com

See Filing Directions for Low Risk Projects

## D. Project Information

1. Project Name: Hartford IM 091-2(79)
- 2a. Is this project part of a Common Plan of Development<sup>1</sup>?  Yes  No
- 2b. If Yes, Name of Development: \_\_\_\_\_
- 3a. Does this project have any previously issued or pending stormwater discharge permits?  Yes  No
- 3b. If Yes, Prior NOI Number(s): \_\_\_\_\_
4. Location Address
- a. Street: I-91 South, I-91 North, and US 5 b. City/Town: Hartford
- c. Latitude: 43 ° 38 ' 44 " d. Longitude: 72 ° 20 ' 17 " e. County: Windsor
- ➡ Use DEC's Waterbody Identification (WBID) ArcGIS webpage ([click here](#)) to answer questions 5 and 6 below.
5. Name of receiving water(s)<sup>2</sup>: White River and Connecticut River Watersheds 6. Include a topographic location map.
7. Project Type:  Residential  Commercial  Industrial  Other: Public
8. Total Area of Disturbance: 5.9 acres 9. Description of construction activities to be permitted (below):

## E. Public Notice Requirement

You must provide a copy of this complete NOI and related Appendix A to the municipal clerk for posting in the municipality in which the project is located. If the project and the related discharge(s) are located in different municipalities, then the completed NOI must be filed with the municipal clerk in each municipality. The municipal clerk must post the completed NOI. In order to be considered complete, **you must include the date of posting.**

Date of Posting at Municipal Office(s): \_\_\_\_\_

Information for the Municipal Clerk regarding posting instructions can be found on **Page 4** of this NOI.

## F. Certification Relating to the Accuracy of the Information Submitted

I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I also certify that the applicable practices in The Low Risk Site Handbook for Erosion Prevention and Sediment Control will be implemented for the duration of the project for which this NOI is submitted.

Landowner Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Principal Operator: PCL Civil Constructors - Jeremy Mackling Title: Project Manager  
(if known)

Signature: Jeremy Mackling Date: 2-27-15

Application Preparer: Stephen S. Sawyer, Jr., PE Title: Vice President, Sebago Technics, Inc  
(if applicable)

Signature: Stephen Sawyer Date: 2-27-15

<sup>1</sup> "Common Plan of Development" is defined within the CGP 3-9020, Appendix C – Definitions, page A-12

<sup>2</sup> "Waters of the State" (i.e. receiving water) is defined within the CGP 3-9020, Appendix C – Definitions, page A-16

*For Department Use Only*

**VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION AUTHORIZATION TO DISCHARGE**

A determination has been made that the proposed construction activities qualify for coverage under General Permit 3-9020 (amended 2008) as a Low Risk project. Subject to the conditions of General Permit 3-9020 (amended 2008) the applicant is hereby authorized to discharge stormwater runoff from a construction site as described in this Notice of Intent Number \_\_\_\_\_-9020.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

David K. Mears, Commissioner Department of Environmental Conservation

By: \_\_\_\_\_  
Padraic Monks, Program Manager  
Stormwater Program

### **PUBLIC COMMENT**

Public comments concerning this Notice of Intent to discharge under CGP 3-9020 (amended 2008) are invited and must be submitted within 10 days of receipt of this Notice by the Municipal Clerk. Comments should address how the application complies or does not comply with the terms and conditions of CGP 3-9020 (amended 2008). A letter of interest should be filed by those persons who elect not to file comments but who wish to be notified if the comment period is extended or reopened for any reason. All written comments received within the time frame described above will be considered by the Department of Environmental Conservation in its final ruling to grant or deny authorization to discharge under CGP 3-9020 (amended 2008). Send written comments to:

Vermont Department of Environmental Conservation  
Watershed Management Division, Stormwater Program  
1 National Life Drive, Main Building Second Floor  
Montpelier, VT 05620-3522

*Please cite the NOI number in any correspondence.*

### **APPEALS**

**Renewable Energy Projects – Right to Appeal to Public Service Board**

If this decision relates to a renewable energy plant for which a certificate of public good is required under 30 V.S.A. §248, any appeal of this decision must be filed with the Vermont Public Service Board pursuant to 10 V.S.A. §8506. This section does not apply to a facility that is subject to 10 V.S.A. §1004 (dams before the Federal Energy Regulatory Commission), 10 V.S.A. §1006 (certification of hydroelectric projects) or 10 V.S.A. Chapter 43 (dams). Any appeal under this section must be filed with the clerk of the Public Service Board within 30 days of the date of this decision. For further information, see the Public Service Board website at <http://psb.vermont.gov> or call (802) 828-2358. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701.

**All Other Projects – Right to Appeal to Environmental Court**

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available online at [www.vermontjudiciary.org](http://www.vermontjudiciary.org) or call (802) 951-1740. The address for the Environmental Court is 32 Cherry Street, 2<sup>nd</sup> Floor Suite 303, Burlington, Vermont 05401.

A copy of CGP 3-9020 (amended 2008) may be obtained by calling (802) 828-1535; by visiting the Department at the above address between the hours of 7:45 am and 4:30 pm; or by download from the Watershed Management Division's Web site at: [www.watershedmanagement.vt.gov](http://www.watershedmanagement.vt.gov)

### **INFORMATION FOR MUNICIPAL CLERK**

10 V.S.A. Chapter 47 §1263(b) provides for the public notice of an applicant's intent to discharge stormwater runoff associated with construction activity. Please post this notice and instruction sheet in a conspicuous place for 10 days from the date received. If you have any questions, contact the Watershed Management Division of the Department of Environmental Conservation at (802) 828-1535.

**Submit this form and the \$50 fee to:**

**Vermont Department of Environmental Conservation  
Watershed Management Division, Stormwater Program  
1 National Life Drive, Main Building Second Floor  
Montpelier, VT 05620-3522**