



State of Vermont
 Construction Section
 National Life Building, Drawer 33
 Montpelier, VT 05633
 www.aot.state.vt.us

Agency of Transportation

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John Lynch
 J.A. McDonald, Inc.
 P.O. Box 132
 Lyndon Center, VT 05850

May 3, 2013

RE: BRIGHTON ER STP 034-3(25) CONTRACTOR EPSC PLAN REVIEW

Dear John:

VTrans has completed its review of the Contractor Erosion Prevention and Sediment Control (EPSC) Plan prepared by Joey Wilson, Wilson Consulting Engineers, PLC received April 25th, 2013 at the PCC. The Plan is **ACCEPTED** with the following conditions:

All EPSC Measures shall be installed sequentially as work progresses with exposed areas being stabilized within 48 hours or sooner as is called for in the VTrans Specifications subsection 105.23 (c). Any proposed changes to the EPSC Plan, shall be discussed on site with the Resident Engineer or VTrans Inspector and shall only be installed upon their acceptance.

You are reminded that all future activities outside the contract limits, even those located within the state ROW, must be cleared through the VTrans Environmental Unit prior to use. The exception is areas meeting the requirements of the VTrans Exemption record. The DelaBruere Pit is proposed as a staging and waste area. Please ensure its use is documented properly by an Exemption record or full Off-Site Submittal as appropriate.

The only real change to the Contract EPSC Plan is the installation of an access area (described in the Narrative as SE corner of Abutment 1 at STA 56+00 LT and shown on a plan sheet as upstream of Abutment 2 in the SE quadrant (STA 56+00RT)). Regardless of the actual location, it is outside of the original contract construction limits and will therefore need review as an Off-Site Activity. I did not see any indication that dewatering is expected however the borings show a fairly high groundwater table. Should treatment of dewatering become necessary it too may need review as an off-site activity as well as an update to the EPSC Plan.

Please also be reminded that all in-stream work is restricted to July 1 – Oct 1. Any work outside these dates must receive prior approval from the Stream Alteration Engineer and must be isolated from the stream. An on-site pre-construction conference is not required by the permit language however I encourage the Contractor to at least contact the Stream Alt Engineer, Barry Cahoon (802-343-0217) to see if he would like to be apprised of the Contractors means and methods, see an EPSC Plan, or have an on-site meeting.

Please ensure that the RE has a copy of the EPSC in the format of his choice and that you, as the OSPC, have a hard copy on site. If you have any questions, please contact me at (802) 828-3507.

Sincerely,

Andrea Wright P.E., CPESC
 VTrans Construction Environmental Engineer

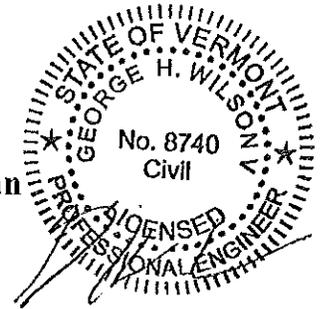
cc:
 Doug Bumps, Resident Engineer;
 Ron Gray, NE Regional Construction Engineer;
 Kristin Higgins, VTrans Project Manager;
 Joey Wilson, Plan Preparer;
 Construction Environmental Project File



J. A. McDONALD, INC.

P.O. Box 132, Lyndon Center, VT 05850 (802) 626-5201
E-Mail jamedonaldinc@charter.net

Brighton ER STP 034-3(25) Contractor Erosion Prevention and Sediment Control Plan



1. Narrative

1.1. Erosion Prevention and Sediment Control Plan

1.1.1. Description of any modification to those measures described in the Contract EPSC Plan

J.A. McDonald, Inc. adopts the Contract Plans (dated September 12, 2012) and Contract Documents as part of their EPSC plan. Erosion control measures shall be utilized as required per the Agency of Natural Resources Low-Risk Handbook for Construction Sites.

No major modifications are proposed to the EPSC measures or sequence, as described and shown on Contract Plan Sheets 25 thru 28 of 36. J.A. McDonald is, however, proposing minor modifications, as described as follows:

- Installation of temporary gravel/stone work pad at the SE corner of Abutment #1 (\pm Station 56+00 Left) to facilitate the installation of precast abutments and NEXT Beams.
- Erosion protection & sediment control devices for staging and waste areas will adhere to the Low Risk Site Handbook, or existing pit permit requirements.

1.1.2. Description of the various phases of the project that will be effective in protecting water resources and upholding the Risk Determination

This project has been determined to be non-jurisdictional under the General Permit 3-9020 for stormwater run-off from construction sites. The total disturbed area is .39 acres per plans prepared by VTAOT plus 0.05 acres for stone work pad as noted above, totaling 0.44 acres, which is less than the 1 acre threshold. Proposed staging and waste area is at the DelaBruere Pit located approximately 1 mile east of the project site at the intersection of VT Route 105/114. The contractor will phase construction activities, while providing frequent stabilization measures. The major construction phases are as follows:

- Install perimeter controls (PDF, silt fence, turbidity curtain etc.)
- Construct access drive/work pad
- Install Traffic Detour for Bridge Closure
- Remove existing temporary bridge and abutments
- Excavate and install H-Piles at Abutments
- Install Precast Abutments/Wingwalls and Backfill
- Place Type III Stone Fill at Abutments
- Install and grout NEXT Beams
- Construct Abutment Curtain/Backwall and install Precast Approach Slabs
- Construct Bridge Approaches (Subbase, Pavement, Bridge/Guard rail)
- Final Grading and Stabilization of All Disturbed Areas

The schedule for the entire project is anticipated to last two months with a bridge/road closure limited to 21 calendar days

1.1.3. Description of proposed waste, borrow and staging areas (including property owner information)

Waste material from the project site will be placed at an existing pit approximately 1 mile east on VT Route 105 for future recycling and reuse. This pit is owned and operated by Robert DelaBruere with whom an Agreement will be executed.

The office and staging area will be located in the pit area as noted above.

1.2 Contact Information

1.2.1. On-Site Plan Coordinator

John Lynch of J.A. McDonald, Inc. (802-751-9160) will be the on-site plan coordinator. Mr. Lynch will be on the site on a daily basis and have over-sight of all construction activities. He is familiar with both the EPSC measures and plans, as shown in the Contract Documents, as well as the measures outlined in the Low Risk Site Handbook for Erosion and Sediment Control.

1.2.2. Plan Preparer

Joey H. Wilson, PE of Wilson Consulting Engineers, PLC (802-472-3960), has prepared the Erosion Prevention and Sediment Control Plan for J.A. McDonald, Inc.

1.3 Schedule

A schedule is attached for your review.

1.4 Inspection form

J.A. McDonald, Inc. will utilize the Agency generated inspection form for this project. A copy of the adopted form is attached.



EPSC Plan Inspection Report (Non-Jurisdictional and Low Risk Projects)

Measure Inspected	Y	N	STA/Off	Corrective Action	Date Taken
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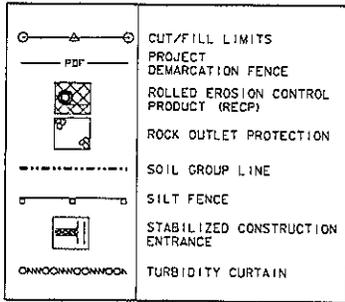
Additional Measures

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.

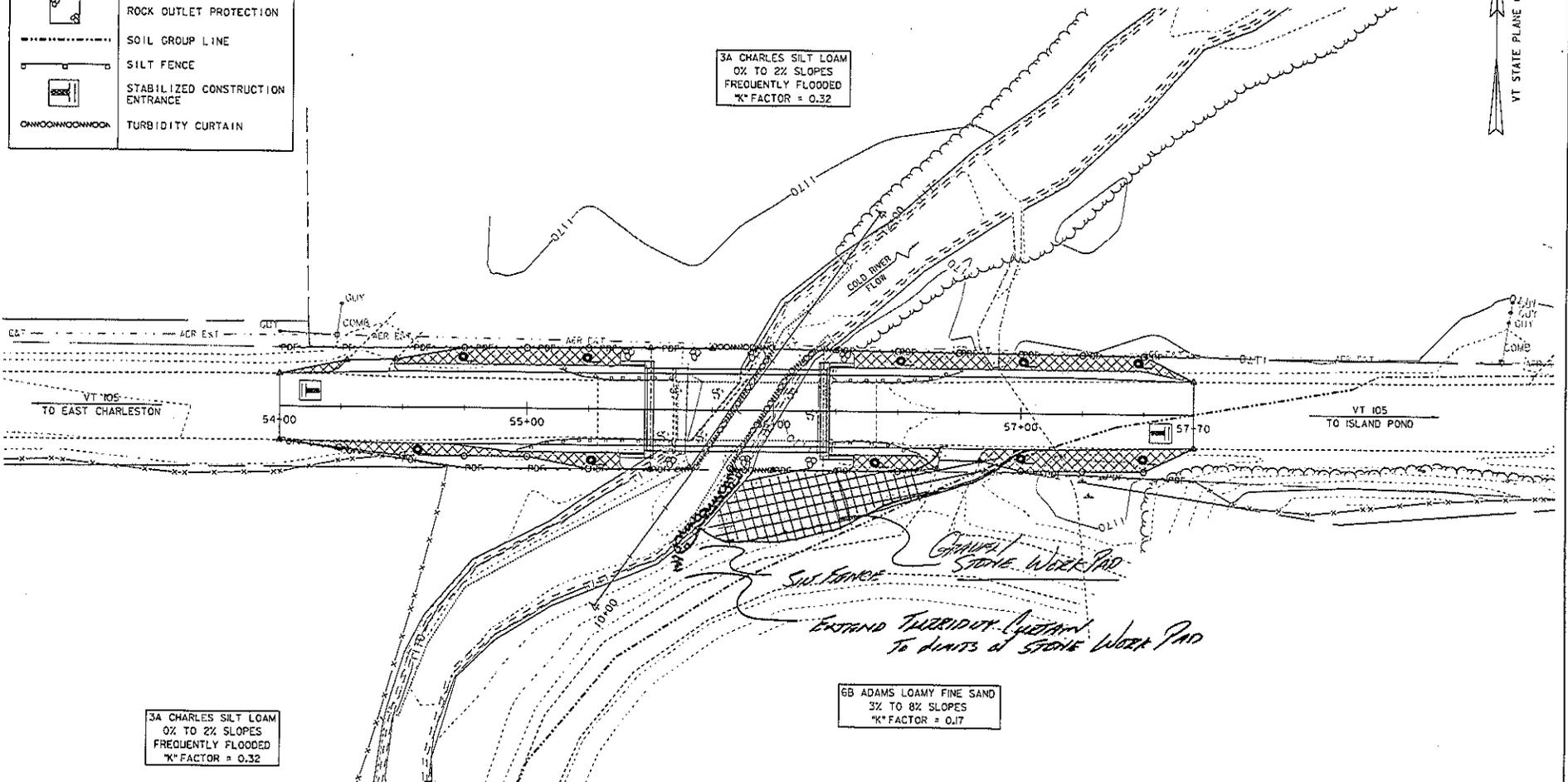
 Vermont Agency of Transportation			EPSC Plan Inspection Report (Non-Jurisdictional and Low Risk Projects)			
Project Name:			Date:		Time Since Last Storm:	
Inspector:			On-Site Coordinator: (signature required)			
Measure Inspected	Y	N	STA/Off	Corrective Action (CA) Required	Date CA Occurred	
Boundary Limits						
Site boundary markers are up and visible						
Disturbance is only occurring within marked boundaries						
Disturbance Area Limit						
Only acreage listed on <i>Authorization to Discharge</i> 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 < 1/2 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.



GEOTEXTILE FOR SILT FENCE	PROJECT DEMARCATION FENCE
STA 54+00.00 - 54+25.00 LT	STA 54+00.00 - 54+25.00 LT
STA 54+00.00 - 55+60.00 RT	STA 54+00.00 - 55+60.00 RT
STA 54+50.00 - 55+75.00 LT	STA 54+50.00 - 55+75.00 LT
STA 56+00.00 - 56+65.00 RT	STA 56+00.00 - 56+65.00 RT
STA 56+25.00 - 57+70.00 LT	STA 56+25.00 - 57+70.00 LT
STA 56+85.00 - 57+70.00 RT	STA 56+85.00 - 57+70.00 RT

3A CHARLES SILT LOAM
0% TO 2% SLOPES
FREQUENTLY FLOODED
"K" FACTOR = 0.32



3A CHARLES SILT LOAM
0% TO 2% SLOPES
FREQUENTLY FLOODED
"K" FACTOR = 0.32

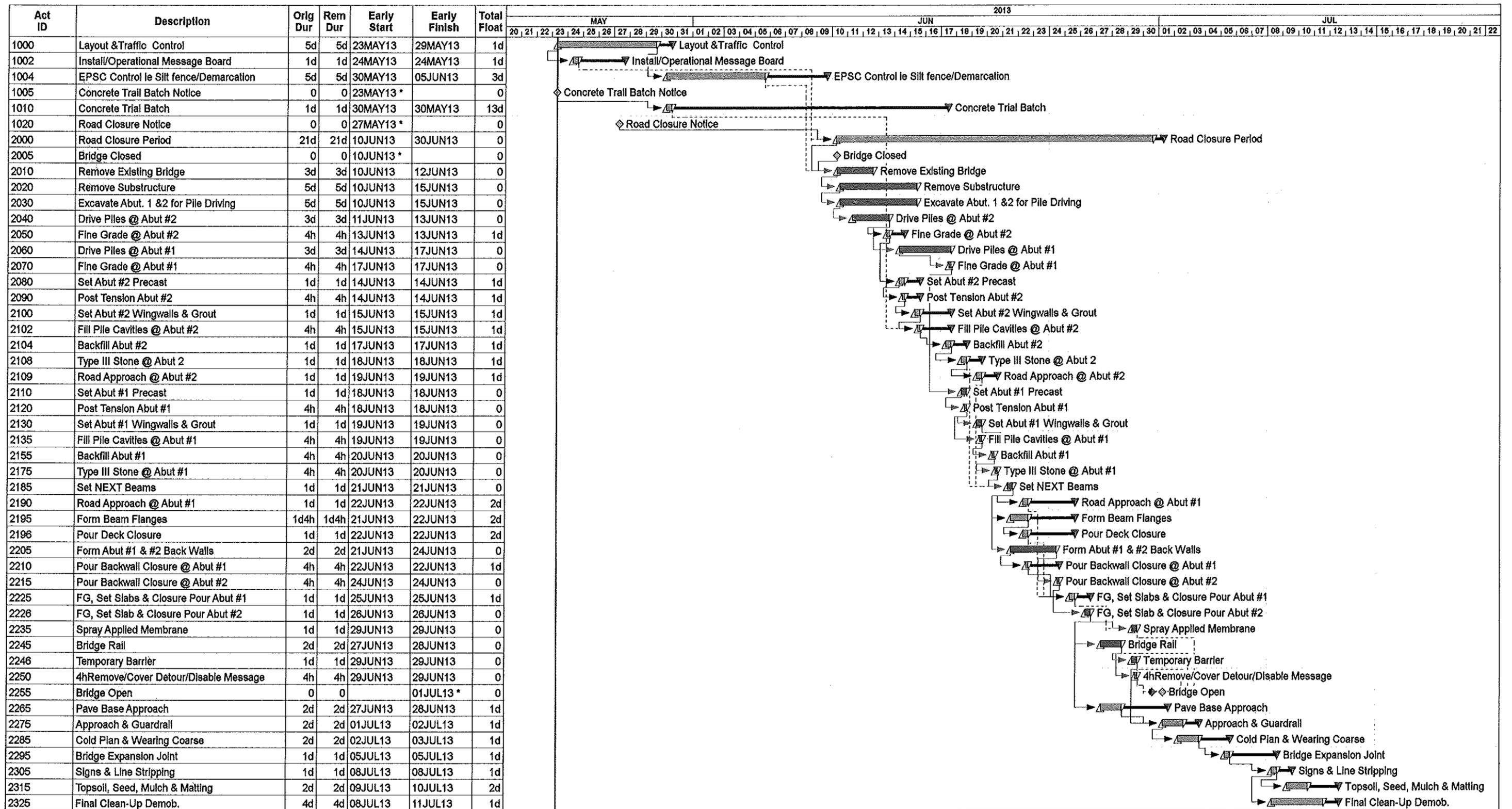
6B ADAMS LOAMY FINE SAND
3% TO 8% SLOPES
"K" FACTOR = 0.17

NOTES:

- EXISTING CONTOURS SHOWN. SEE CROSS SECTIONS FOR FINAL CONDITIONS.
- FOR CLARITY, AREAS TO BE SEEDED AND MULCHED HAVE NOT BEEN INDICATED. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS APPLICABLE.

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

PROJECT NAME: BRIGHTON	PLOT DATE: 12-SEP-2012
PROJECT NUMBER: ER STP 034-3(25)	DRAWN BY: J. SALVATORI
FILE NAME: #1b2080epsc.dgn	CHECKED BY: W. LAMMER
PROJECT LEADER: K. HIGGINS	SHEET 26 OF 36
DESIGNED BY: J. SALVATORI	
EPSC PLAN	



Start date 20MAY13
 Finish date 11JUL13
 Data date 23MAY13
 Run date 19APR13
 Page number 1A

JA McDONALD, INC.
 BRIGHTON ER STP 034-3(25)

- [Bar with early start/finish] Early bar
- [Triangle] Early start point
- [Inverted Triangle] Early finish point
- [Bar with total float] Total float bar
- [Bar with late finish point] Late finish point
- [Bar with progress] Progress bar
- [Bar with critical path] Critical bar
- [Line] Summary bar
- [Diamond] Start milestone point
- [Diamond] Finish milestone point