Alpha Testing & Engineering, LLC
30 Streeter Brook Road
Milton, VT 05468
Phone: 802-893-9814 Fax: 802-891-6036

October 8, 2013

S. D. Ireland Brothers
Attn: Ron Bushnell
Via email: ron@sdireland.com

Re: Temporary Cofferdams, Addison Culvert (14)

Dear Ron,

At your request, I have completed an analysis of the proposed temporary cofferdams at the Addison STP Culv(14) Project. The layout of the cofferdams will be as depicted in the sketch you provided, (copy attached for reference).

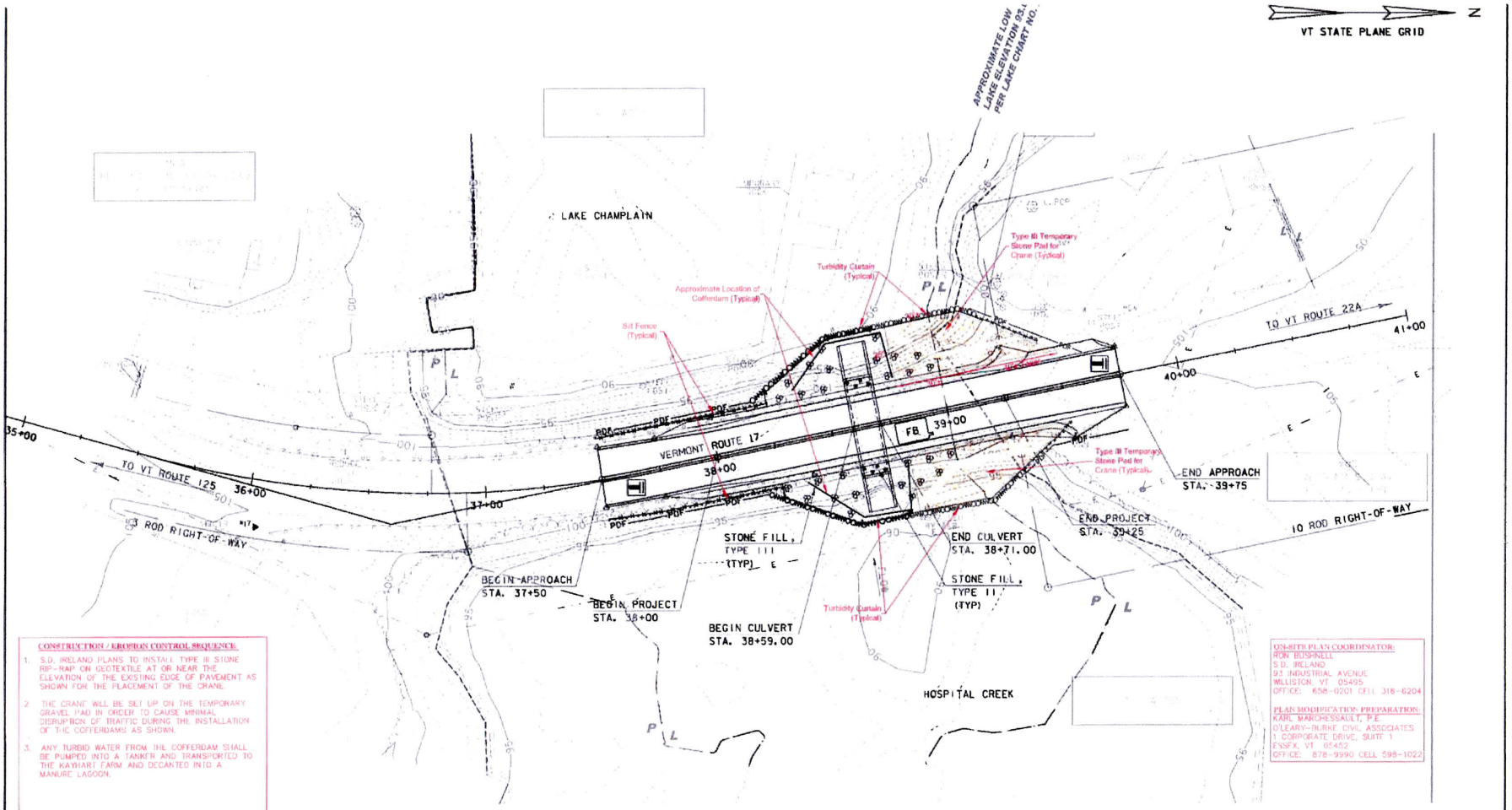
Based on this analysis, the cofferdams can be constructed using PZ-27 steel sheet piling with a minimum embedment of 22 feet.

Please contact the undersigned if you have any questions regarding this matter.

Yours truly,

Robert A. Lovgren, P.E.

STATE OF VERMONT
ROBERT A. LOVGREN
No. 7206
REGISTERED PROFESSIONAL ENGINEER



CONSTRUCTION / EROSION CONTROL SEQUENCE

1. S.D. IRELAND PLANS TO INSTALL TYPE III STONE RIP-RAP ON GEOTEXTILE AT OR NEAR THE ELEVATION OF THE EXISTING EDGE OF PAVEMENT AS SHOWN FOR THE PLACEMENT OF THE CRANE.
2. THE CRANE WILL BE SET UP ON THE TEMPORARY GRAVEL PAD IN ORDER TO CAUSE MINIMAL DISRUPTION OF TRAFFIC DURING THE INSTALLATION OF THE COFFERDAMS AS SHOWN.
3. ANY TURBID WATER FROM THE COFFERDAM SHALL BE PUMPED INTO A TANKER AND TRANSPORTED TO THE KAYHART FARM AND DECANTED INTO A MANURE LAGOON.

ON-SITE PLAN COORDINATOR:
RON BUSHNELL
S.D. IRELAND
93 INDUSTRIAL AVENUE
WILLISTON, VT 05495
OFFICE: 658-0201 CELL 316-6204

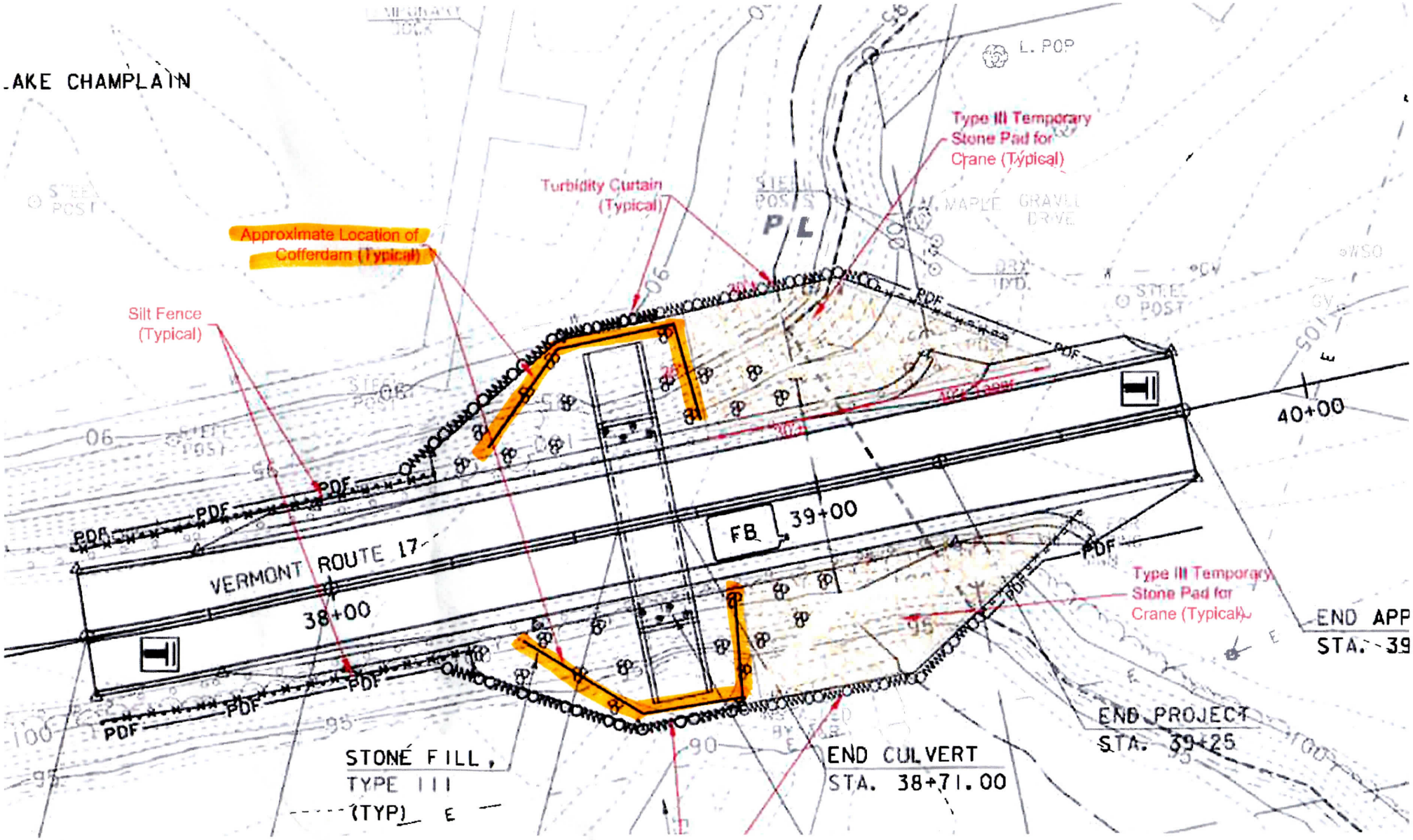
PLAN MODIFICATION PREPARATION:
KARC MARCHESSAULT, P.E.
O'LEARY-BURKE CIVIL ASSOCIATES
1 CORPORATE DRIVE, SUITE 1
ESSEX, VT 05452
OFFICE: 878-9990 CELL 598-1022

EPSC SITE PLAN

SCALE 1" = 20'-0"

20 0 20

PROJECT NAME: ADDISON	
PROJECT NUMBER: STP CULV(14)	
FILE NAME: s08b062epsc_dur.dgn	PLOT DATE: 09-MAR-2013
PROJECT LEADER: K. HIGGINS	DRAWN BY: J. SALVATORI
DESIGNED BY: J. SALVATORI	CHECKED BY: W. LAMMER
EPSC SITE PLAN	SHEET 17 OF 28


LAKE CHAMPLAIN
Type III Temporary Stone Pad for Crane (Typical)
Turbidity Curtain (Typical)
Approximate Location of Cofferdam (Typical)
Silt Fence (Typical)
L. POP
MAPLE GRAVEL DRIVE
P L
PDF
VERMONT ROUTE 17
38+00
FB
39+00
40+00
Type III Temporary Stone Pad for Crane (Typical)
END APP
STA. 39
END PROJECT
STA. 39+25
STONE FILL,
TYPE III
(TYP)
END CULVERT
STA. 38+71.00