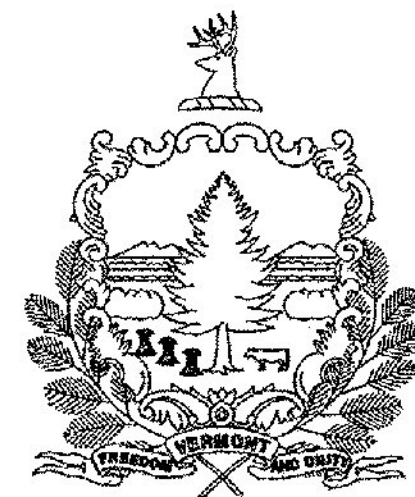


# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT TOWNS OF ESSEX & WESTFORD COUNTY OF CHITTENDEN VT ROUTE 128 MAJOR COLLECTOR

BEGINNING IN THE TOWN OF ESSEX ON VT ROUTE 128 AT STA. 0+58.08 (MM 0.011) AND EXTENDING NORTHERLY ALONG VT ROUTE 128 FOR A DISTANCE OF 30,064.32 FEET (5.694 MILES) TO STA. 68+85.12 (MM 1.304) IN THE TOWN OF WESTFORD.

PROJECT DATA:	LENGTH (FEET)	LENGTH (MILES)
TOWN OF ESSEX VT ROUTE 128 STA. 0+58.08 TO 232+37.28 MM 0.011 TO 4.401	23,179.20	4.390
TOWN OF WESTFORD VT ROUTE 128 STA. 0+00.00 TO 68+85.12 MM 0.000 TO 1.304	6,885.12	1.304
<b>TOTAL LENGTH OF PROJECT:</b>	<b>30,064.32</b>	<b>5.694</b>
<b>TOTAL LENGTH OF ROADWAY:</b>	<b>30,064.32</b>	<b>5.694</b>

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING, RECLAIMING AND RESURFACING OF THE EXISTING HIGHWAY WITH A RECLAIMED STABILIZED BASE, COLD MIXED RECYCLED PAVEMENT, LEVELING COURSE AND WEARING COURSE, CORRECTING SUPERELEVATION DEFICIENCIES, AND PROVIDING NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND OTHER RELATED HIGHWAY ITEMS.

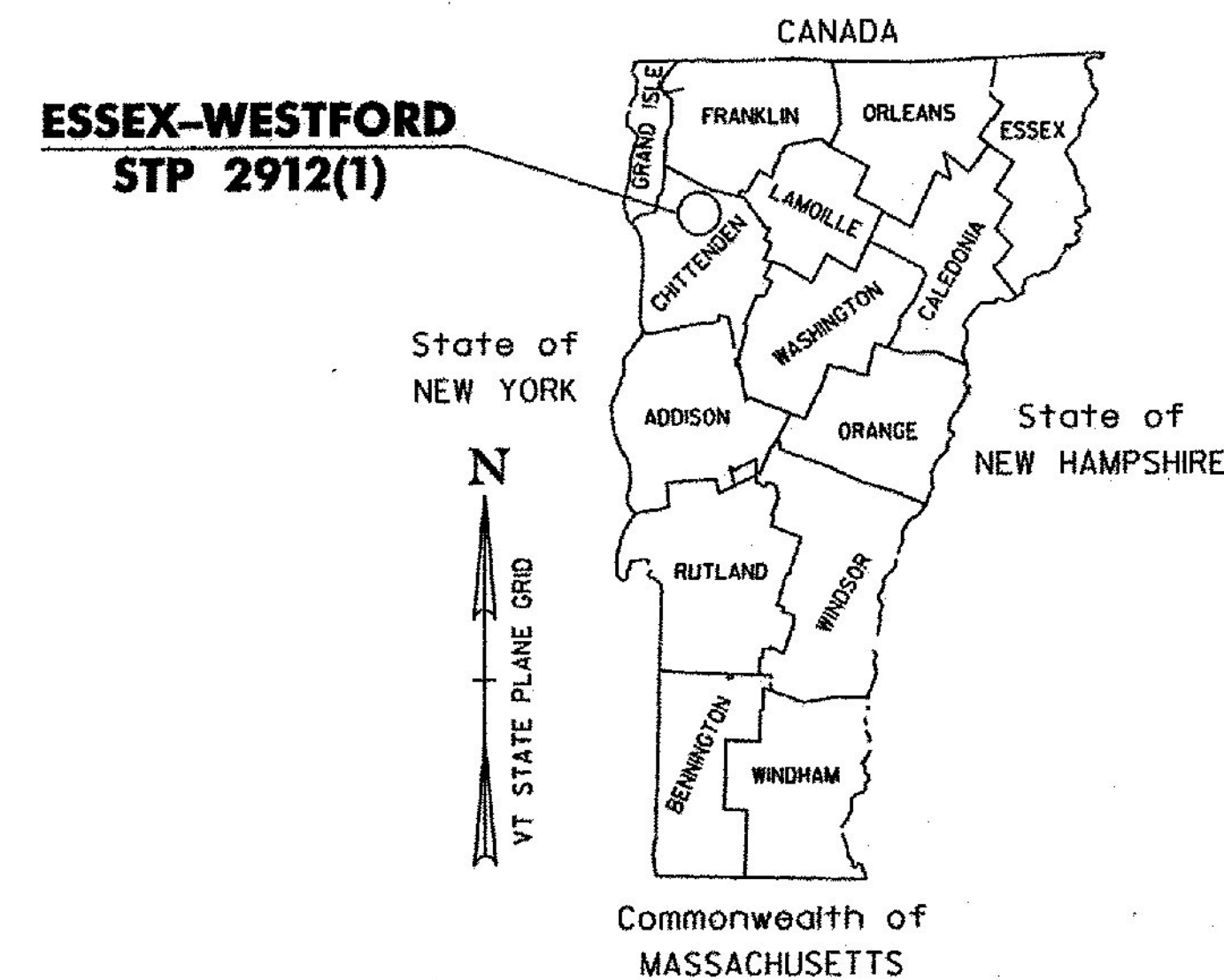
### INDEX OF SHEETS

1	TITLE SHEET
2-3	PROJECT TIE SHEETS I-2
4-6	PROJECT TYPICAL SHEETS I-3
7-10	QUANTITY SHEETS I-4
11	ITEM DETAIL SUMMARY SHEET
12	UNDERDRAIN DETAIL SHEET
13	DRIVE DETAIL SHEET
14	GUARDRAIL DETAIL SHEET
15-16	BRIDGE DETAIL SHEETS I-2
17	CULVERT AND STRUCTURE INVENTORY SHEET
18	MISCELLANEOUS DETAIL SHEET
19	DITCH CLEANING DETAIL SHEET
20-50	PROJECT LAYOUT SHEETS I-31
51-65	TRAFFIC SIGN SUMMARY SHEETS I-15
66-68	TRAFFIC SIGN DETAIL SHEETS I-3
69	TRAFFIC CONTROL SIGNAL SYSTEM SHEET
70-83	SUPERELEVATION BANKING TRANSITION DIAGRAM SHEETS I-14
84	HORIZONTAL ALIGNMENT TABLE SHEET
85-89	VERTICAL ALIGNMENT TABLE SHEETS I-5
90-91	SOIL BORING DATA SHEETS I-2
92-202	ESSEX CROSS SECTIONS SHEETS I-III
203-238	WESTFORD CROSS SECTIONS SHEETS I-36
239	CONSTRUCTION APPROACH SIGNING SHEET

**STRUCTURES DETAIL SHEET**  
SD-516.10 BRIDGE JOINT ASPHALTIC PLUG

### VAOT STANDARDS

C-2A	10-14-05	E-123	03-16-04
C-2B	10-14-05	E-127	08-08-95
C-3A	03-10-08	E-134	08-08-95
C-3B	03-10-08	E-136B	08-08-95
C-10	02-11-08	E-138	05-30-03
D-6	06-01-94	E-140	08-30-96
D-8	01-03-00	E-141	09-20-95
D-9	06-01-94	E-142	09-20-95
D-15	06-01-94	E-143	06-15-04
D-16	06-01-94	E-150	05-01-04
E-100	01-02-04	E-152	05-01-04
E-100A	01-02-04	E-153	05-01-04
E-101	05-30-03	E-154	05-01-04
E-102	06-30-03	E-164	06-08-09
E-102A	05-01-04	E-191	02-01-99
E-103	03-01-04	E-192	10-12-00
E-106	03-01-04	E-193	08-18-95
E-107	06-30-03	G-1	01-03-2000
E-107A	06-08-09	G-1d	01-03-2000
E-108	06-08-09	G-19	11-15-02
E-108A	06-08-09	J-3	08-07-95
E-110	08-08-95		
E-120	08-08-95		
E-121	08-08-95		



### RECORD PLANS

CONTRACTOR: F.W. WHITCOMB CONSTRUCTION CORP. - WALPOLE, NH  
 RESIDENT ENGINEER: DELVIN WARNER  
 CONSTRUCTION BEGAN: JULY 16, 2013  
 CONSTRUCTION COMPLETE: AUGUST 25, 2014  
 RECORD PLANS BY: DELVIN WARNER & KEVIN KING

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY *Delvin Warner* RESIDENT ENGINEER  
 DATE 04/19/14

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

### SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	644,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SUBSECTION 490.03(b)

### TRAFFIC DATA VT ROUTE 128

LOCATION	AADT		DHV		ESALS	
	2012	2022	2012	2022	2012-2022	2012-2032
BEGIN PROJECT TO WEED ROAD (TH-63)	3800	3900	430	440	607,000	1,288,000
WEED ROAD (TH-63) TO END PROJECT	2100	2200	240	250	157,000	372,000

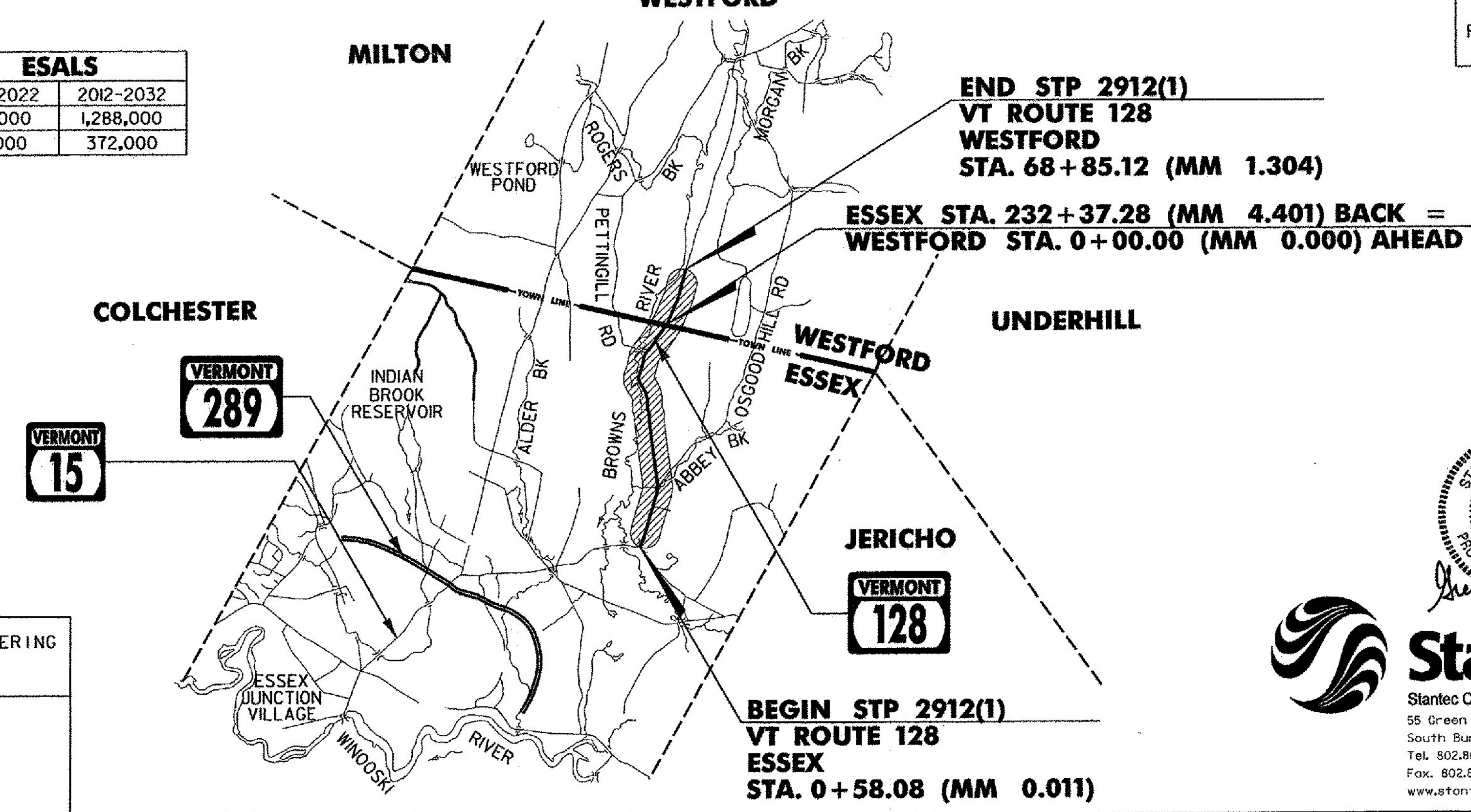
QUALITY ASSURANCE PROGRAM: LEVEL 3

### CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARDRAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
UTILITY POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY: VERMONT SURVEY & ENGINEERING  
 SURVEYED DATE: 2011

DATUM  
 VERTICAL NAVD88  
 HORIZONTAL NAD83



RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY PURPOSES.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

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.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".

**Stantec**  
 Stantec Consulting Services Inc.  
 55 Green Mountain Drive  
 South Burlington VT U.S.A. 05403  
 Tel. 802.864.0223  
 Fax. 802.864.0165  
 www.stantec.com

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED <i>Michael Fowler</i> DATE <u>2-11-15</u>
PROJECT MANAGER: MICHAEL FOWLER
PROJECT NAME: ESSEX-WESTFORD
PROJECT NUMBER: STP 2912(1)
SHEET 1 OF 239 SHEETS