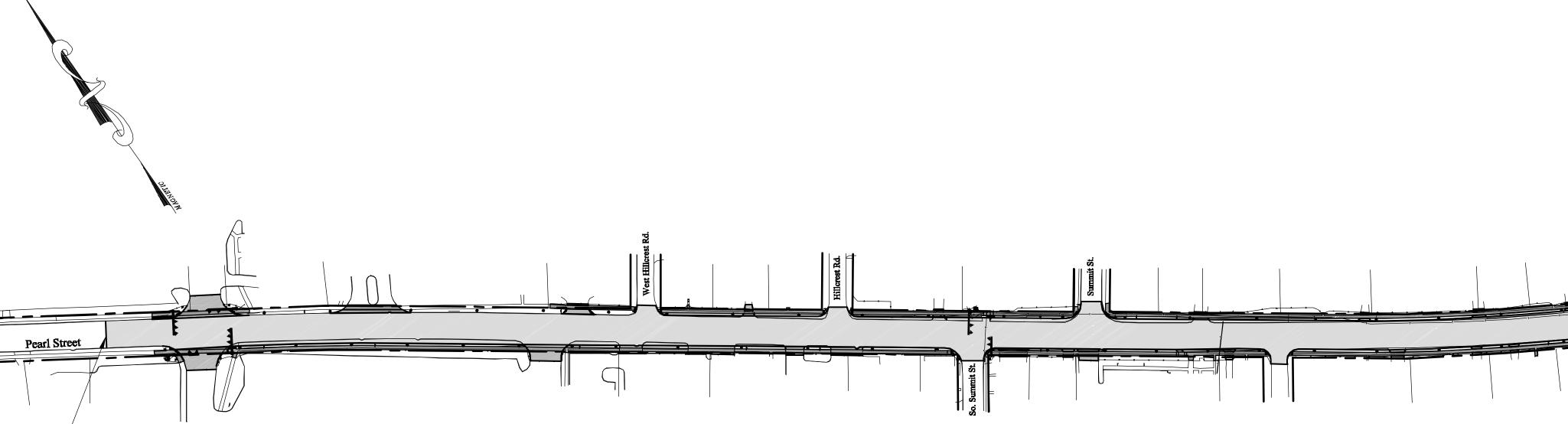
# Essex Junction STP 5300(14) VT Route 15 - Pearl Street Link

BEGINNING ON VT 15 (PEARL STREET) IN ESSEX JUNCTION AT STATION 101+68 (MM 1.704) AND EXTENDING EASTERLY ALONG PEARL STREET A DISTANCE OF 2,564 FEET (0.486 MILES) TO STATION 127+32 (MM 2.190).

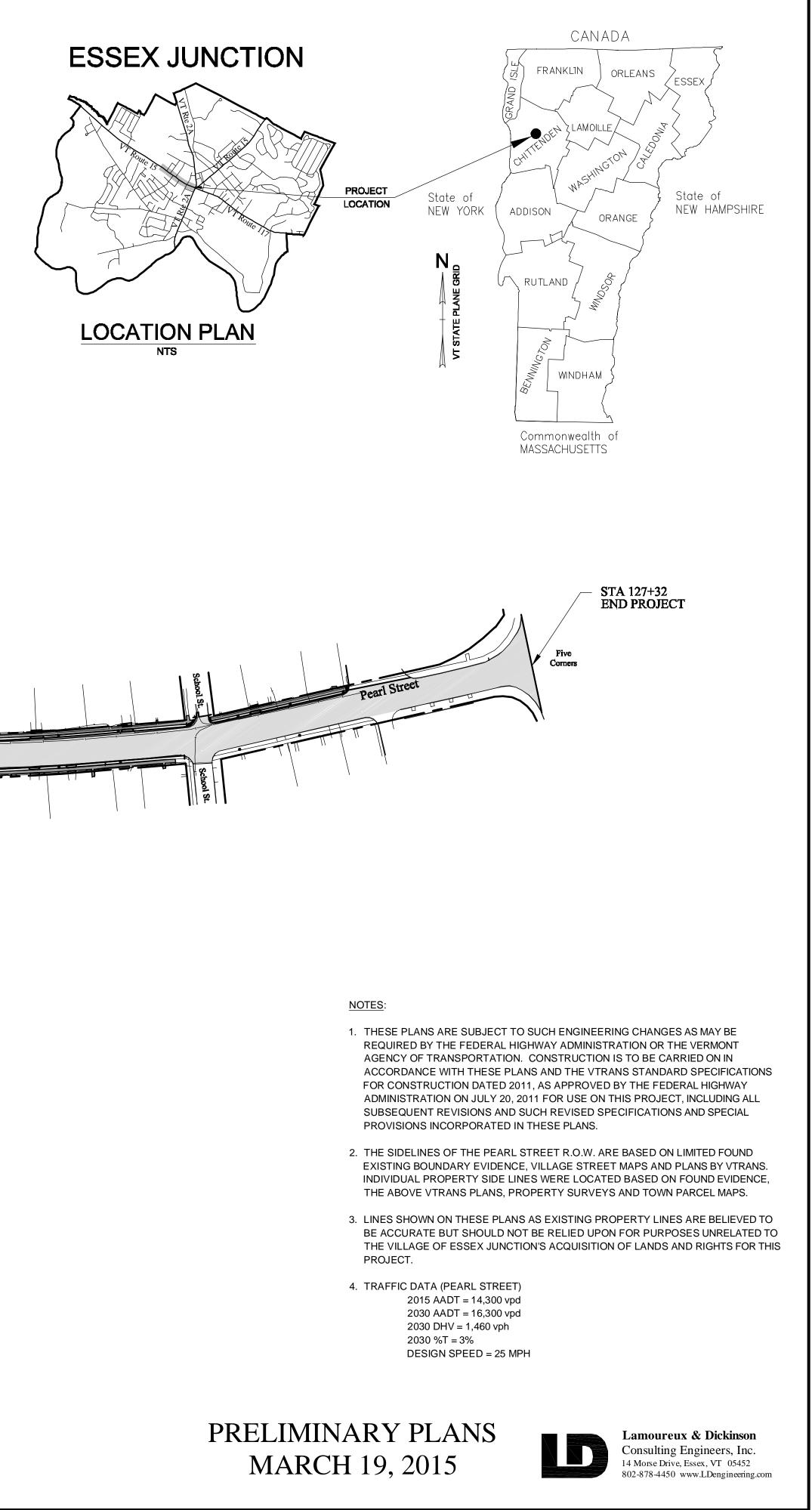
> LENGTH OF ROADWAY = 2,564 FEET (0.488 MILES) LENGTH OF PROJECT = 2,564 FEET (0.488 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES NEW CONCRETE SIDEWALKS AND CURBS, STREET LIGHTING, PAVEMENT OVERLAY, PAVEMENT MARKINGS; TRAFFIC SIGNALS AND OTHER RELATED ITEMS.

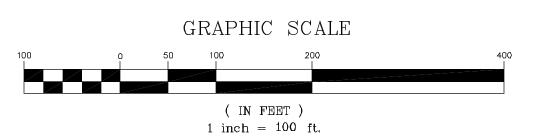


STA 101+68 — **BEGIN PROJECT** 

VILLAGE MANAGER



# **OVERALL SITE PLAN**



# INDEX OF SHEETS

SHEET #	TITLE
1	TITLE SHEET
2	INDEX
3-3A	TYPICAL SECTIONS
4	<b>TYPICAL SECTIONS &amp; DETAILS</b>
5-6	QUANTITY SHEETS
7-11	EXISTING CONDITIONS
12-16	LAYOUT PLANS
17-32	CROSS SECTIONS
33	<b>EROSION PREVENTION &amp; SEDIME</b>
33A	<b>EROSION CONTROL &amp; LIGHTING</b>
34	STONE WALL PLAN & SECTIONS
35-36	SIGNAL PLANS
37-38	CANTILEVER CROSS SECTIONS
39-40	TRAFFIC CONTROL PLANS
41-45	SIGN & PAVEMENT MARKING PLA
46-47	SIGN SUMMARY SHEETS
48-??	LIGHTING DESIGN PLANS

DETAIL #	TITLE	DATE
C-2A	PORTLAND CEMENT CONCRETE SIDEWALK DRIVE ENTRANCES	10 <b>-14</b> -2005
C-2B	PORTLAND CEMENT CONCRETE SIDEWALK DRIVE ENTRANCES	10-14-2005
C-3A	SIDEWALK RAMPS	03-10-2008
C-3B	SIDEWALK RAMPS AND MEDIAN ISLANDS	03-10-2008
C-10	CURBING	02-11-2008
D-20	HIGHWAY CROSSING SLEEVES FOR UNDERGROUND UTILITIES	03-03-2003
E-121	STANDARD SIGN PLACEMENT, CONVENTIONAL ROAD	08-08-1995
E-136B	STATE ROUTE MARKER SIGN DETAILS	08-08-1995
E-140	REGULATORY SIGN DETAILS	08-30-1996
E-142	REGULATORY SIGN DETAILS	09-20-1995
E-143	REGULATORY SIGN DETAILS	06-15-2004
E-143B	REGULATORY SIGN DETAILS	03-15-2005
E-145A	REGULATORY SIGN DETAILS LANE USE CONTROL SIGNS	12-23-1994
E-146	REGULATORY SIGN DETAILS	09-20-1995
E-150	WARNING SIGN DETAILS	05-01-2004
E-152	WARNING SIGN DETAILS	05-01-2004
E-153B	WARNING SIGN DETAILS	05-30-2003
E-170	TRAFFIC CONTROL SIGNALS PEDESTAL POST MOUNTED	11-04-1999
E-171A	TRAFFIC CONTROL SIGNALS GENERAL NOTES & DETAILS	08-09-1995
E-171B	TRAFFIC CONTROL SIGNALS MISC. DETAILS	08-09-1995
E-171C	TRAFFIC CONTROL SIGNALS CANTILEVER MOUNTING DETAILS	08-0 <b>9-</b> 1995
E-173	PULLBOXES AND JUNCTION BOXES	08-09-1995
E-180A	STREET LIGHTING DETAILS	08-0 <del>9</del> -1 <del>99</del> 5
E-180B	STREET LIGHTING DETAILS	08-09-1995
E-1 <del>9</del> 1	PAVEMENT MARKING DETAILS	02-01-1999
E-192	PAVEMENT MARKING DETAILS	10-12-2000
E-193	PAVEMENT MARKING DETAILS	08-18-1995
E-194	BICYCLE PAVEMENT MARKINGS AND SIGN LAYOUT	03-15-2005
T-1	TRAFFIC CONTROL GENERAL NOTES	08-06-2012
T-10	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING	08-06-2012
T-17	TRAFFIC CONTROL MISCELLANEOUS DETAILS	08-06-2002
T-21	TEMPORARY TRAFFIC CONTROL FOR THREE LANE ROADWAY CLOSURE	08-06-2012
T-28	CONSTRUCTION SIGN DETAILS	08-06-2012
T-30	CONSTRUCTION SIGN DETAILS	08-06-2012
T-35	CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS	08-06-2012
T-36	CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS FOR PAVING	08-06-2012
T-45	SQUARE TUBE SIGN POST AND ANCHOR	01-02 <b>-</b> 2013

MENT CONTROL PLAN **JETAILS** 

ANS

### VAOT STANDARD DETAILS



# LEGEND

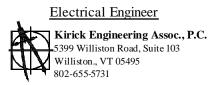
 $\triangle$ • Ø ~ <u>~ ~</u> N — OHW — \_\_\_\_\_ —————<del>—</del>————— — S —— 达 0-1  $\dot{\mathbf{x}}$ **\_\_\_\_**) 

SURVEY CONTROL POINT PROPERTY CORNER MONUMENT EXISTING SIGNS NEW SIGN EXISTING TREE EXISTING SHRUBS **RIGHT-OF-WAY BOUNDARY** PROPERTY BOUNDARY EXISTING UTILITY POLE & OVERHEAD WIRES **EXISTING CATCH BASIN & STORM PIPE** EXISTING SEWER MANHOLE & MAIN **EXISTING GAS LINE & VALVE** EXISTING WATER LINE, VALVE & HYDRANT **EXISTING SPOTLIGHT & LIGHT POLE** EXISTING LUMINAIRE **NEW LUMINAIRE** EXSTING UTILITY POLE NEW UTILITY POLE & GUY WIRE LIMIT OF CONSTRUCTION - FILL LIMIT OF CONSTRUCTION - CUT

### PRELIMINARY PLANS MARCH 19, 2015

# Essex Junction STP 5300(14) VT Route 15 - Pearl Street Link

Civil Engineer Lamoureux & Dickinson Consulting Engineers, Inc. 14 Morse Drive, Essex, VT 05452 802-878-4450 www.LDengineering.com



Project No. 14119 Design RD Drawn BH Date 3-19-15 Scale Sheet number

INDEX

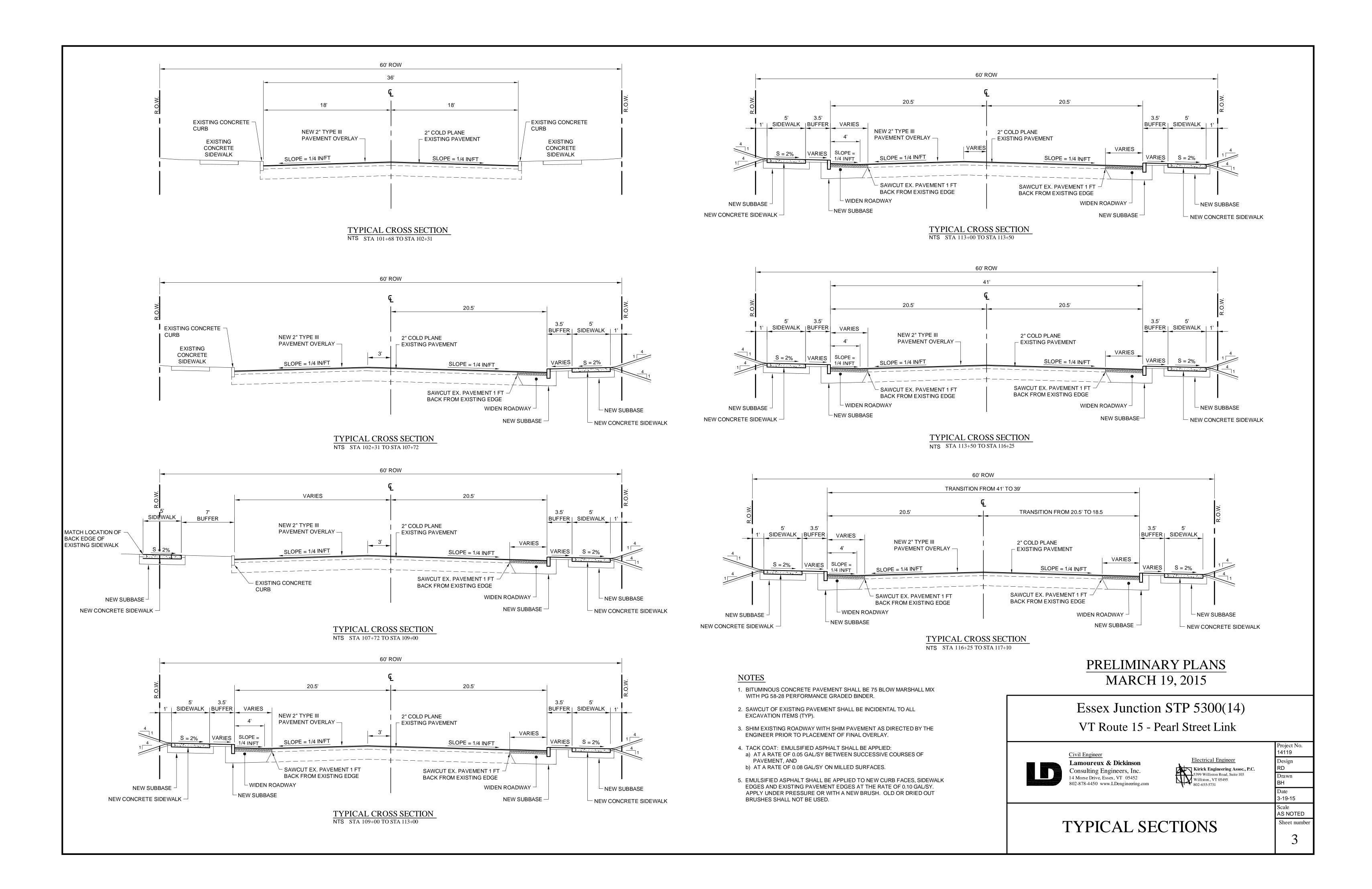
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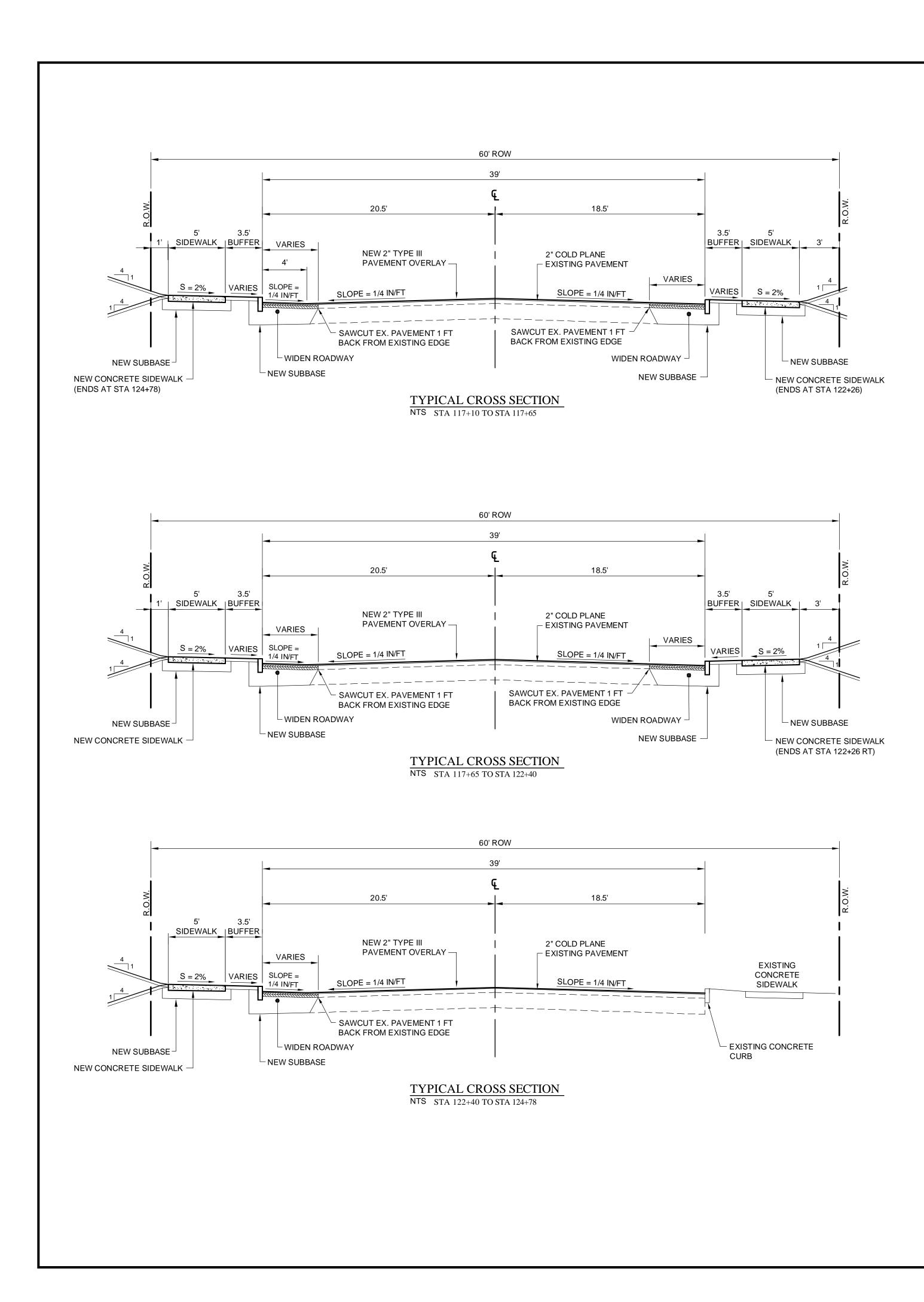
AGENC										<b>ITITY SHEET 1</b>					
		SUMMARY OF ESTIMATED QUANTITIES						тот	TALS	DESCRIPTIONS					
										Initial Group	GRAND TOTAL	FINAL	UNIT	ITEMS	
										1	1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10
										1	1		EACH	REMOVING MEDIUM TREES	201.15
										1	1		EACH	REMOVING LARGE TREES	201.16
										2845	2845		CY	COMMON EXCAVATION	203.15
										56	56		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28
										10	10		CY	GRANULAR BORROW	203.32
										50	50		CY	TRENCH EXCAVATION OF EARTH	204.20
										10	10		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22
										12290	12290		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10
	•••••••									675	675		CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26
										1260	1260		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35
										11	11		CWT	EMULSIFIED A SPHALT	404.65
										1530	1530		TON	BITUMINOUS CONCRETE PAVEMENT	406.25
										100	100		GAL	WATER REPELLENT, SILANE	514.10
										9	9		EACH	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40
										40	40		HR	POWER BROOM RENTAL, TYPE I	608.30
										5	5		MGAL	DUST CONTROL WITH WATER	609.10
										4150	4150		LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28
										3900	3900		LF	REMOVAL OF EXISTING CURB	616.41
										1780	1780		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10
										180	180		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	618.11
										224	224		SF	DETECTABLE WARNING SURFACE	618.30
										14	14		EACH	ADJUST ELEVATION OF VALVE BOX	629.20
										200	200		HR	UNIFORMED TRAFFIC OFFICERS	630.10
										1600	1600		HR	FLAGGERS	630.15
										1	1		LS	MOBILIZATION/DEMOBILIZATION	635.11
										1	1		LS	TRAFFIC CONTROL	641.10
										5	5		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15
										4	4		EACH	PORTABLE ARROW BOARD	641.16
										4440	4440		LF	4 INCH WHITE LINE	646.20
										5350	5350		LF	4 INCH YELLOW LINE	646.21
										265	265		LF	8 INCH WHITE LINE	646.22
										78	78		LF	24 INCH STOP BAR	646.26
										95	95		EACH	LETTER OR SYMBOL	646.30
										435	435		LF	CROSSWALK MARKING	646.31
										100	100		LB	SEED	651.15
										1	1		TON	HAY MULCH	651.25
										200	200		CY	TOPSOIL	651.35
										50	50		SY		653.20
										21	21		EACH	INLET PROTECTION DEVICE, TYPE II	653.41

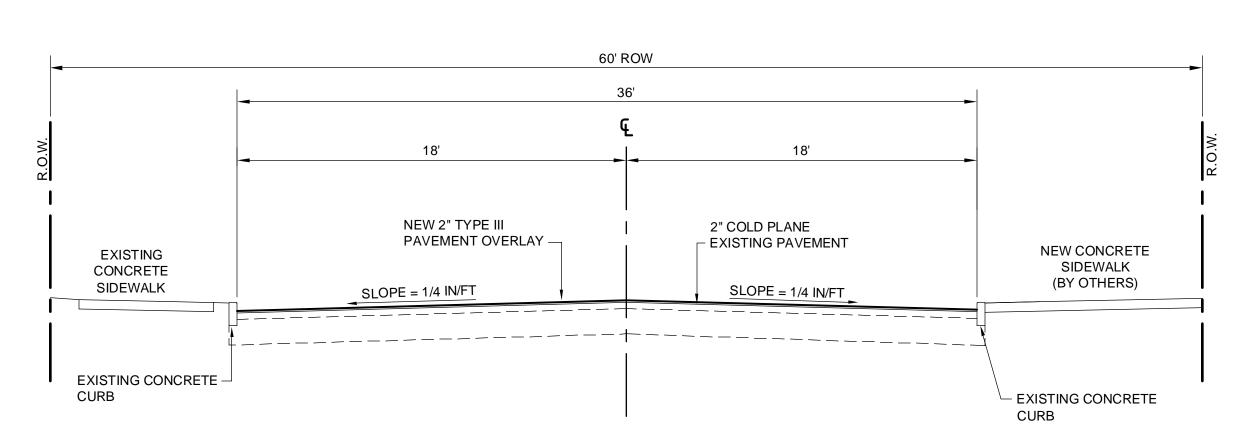
				DETAILED SUMMARY OF QU	JANTITIES
	ROUND	QUANTITIES	UNIT	ITE	MS
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-		PROJECT N	IAME:	VT Route 15 - Pearl	Street Link
				Essex Junction STR	
		PROIECTN	[1] [D./] [and Inv. Inv.		C 25 ST H H (1711)
			Quantity	/ Sheet 4-7-15 P	LOT DATE: 04/07/2015 RAWNBY: CD

	STATE OF VERMONT AGENCY OF TRANSPORTATION							
SUMMARY OF ESTIMATED Q	JANTITIES	TOTALS		DESCRIPTIONS				
	Initial Group	GRAND TOTAL FINAL	UNIT	ITEMS	ITEM NUMBE			
	5800	5800	LF PROJECT DEMARCATION FENCE		653.55			
	32	32	LS TREE PROTECTION		656.85			
		200	SF TRAFFIC SIGNS, TYPE A		675.20			
	414	414	LB TUBULAR STEEL SIGN POST		675.33			
	54	54	EACH REMOVING SIGNS		675.50			
	2	2	EACH TRAFFIC CONTROL SIGNAL SYSTEM, I	ITERSECTION	678.15			
	5210	5210	LF WIRED CONDUIT (2 INCH)		678.23			
	100	100	LF WIRED CONDUIT (3 INCH)		678.23			
	300	300	LF ELECTRICAL WIRING		678.24			
	12	12	EACH JUNCTION BOX		678.26			
	45	45	LF ELECTRICAL CONDUIT SLEEVE (12 INC)	<u>1)</u>	678.30			
	380	380	LF ELECTRICAL CONDUIT SLEEVE (8 INCH		678.30			
		1	EACH TEMPORARY TRAFFIC SIGNAL SYSTEM	1	678.40			
	2	2	EACH SPECIAL PROVISION (ELECTRICAL SEF	VICE & LOAD CENTER)	900.620			
	1	1	EACH SPECIAL PROVISION (RECTANGULAR F	APID FLASHING BEACONS, INTERSECTION)	900.620			
	53	53	EACH SPECIAL PROVISION (STREET LIGHT)		900.620			
	1	1	LS SPECIAL PROVISION (ALTERNATE CON	CRETE CURING COMPOUND)	900.645			
		1	LS SPECIAL PROVISION (REBUILD ROCK G	ARDEN)	900.645			
	1	1	LS SPECIAL PROVISION (REBUILD STONE	ASONRY WALLS)	900.645			
	8	8	SY SPECIAL PROVISION (COLORED TEXTU	RED CONCRETE, 5 INCH)	900.675			
	120	120	SY SPECIAL PROVISION (PORTLAND CEME	NT CONCRETE SIDEWALK, 12 INCH)	900.675			
	460	460	TON SPECIAL PROVISION (BITUMINOUS CON	CRETE PAVEMENT, HAND PLACED)	900.680			

				DETAILED SUMMARY OF Q	UANTITIES
R	ROUND	QUANTITIES	UNIT	IT	EMS
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				Essex Junction ST	
					PLOT DATE: 04/07/2015
		PROJECTL	EADER	RD	DRAWNBY: CD
		DESIGNED I			CHECKED BY: RD
		QUANTITY	SHEET	#2	SHEET 1 OF







NTS STA 124+78 TO STA 127+32

- NOTES
- 1. BITUMINOUS CONCRETE PAVEMENT SHALL BE 75 BLOW MARSHALL MIX WITH PG 58-28 PERFORMANCE GRADED BINDER.
- 2. SAWCUT OF EXISTING PAVEMENT SHALL BE INCIDENTAL TO ALL EXCAVATION ITEMS (TYP).
- 3. SHIM EXISTING ROADWAY WITH SHIM PAVEMENT AS DIRECTED BY THE ENGINEER PRIOR TO PLACEMENT OF FINAL OVERLAY.
- 4. TACK COAT: EMULSIFIED ASPHALT SHALL BE APPLIED: a) AT A RATE OF 0.05 GAL/SY BETWEEN SUCCESSIVE COURSES OF PAVEMENT, AND b) AT A RATE OF 0.08 GAL/SY ON MILLED SURFACES.
- 5. EMULSIFIED ASPHALT SHALL BE APPLIED TO NEW CURB FACES, SIDEWALK EDGES AND EXISTING PAVEMENT EDGES AT THE RATE OF 0.10 GAL/SY. APPLY UNDER PRESSURE OR WITH A NEW BRUSH. OLD OR DRIED OUT BRUSHES SHALL NOT BE USED.

TYPICAL CROSS SECTION

### PRELIMINARY PLANS MARCH 19, 2015

## Essex Junction STP 5300(14) VT Route 15 - Pearl Street Link

Civil Engineer 

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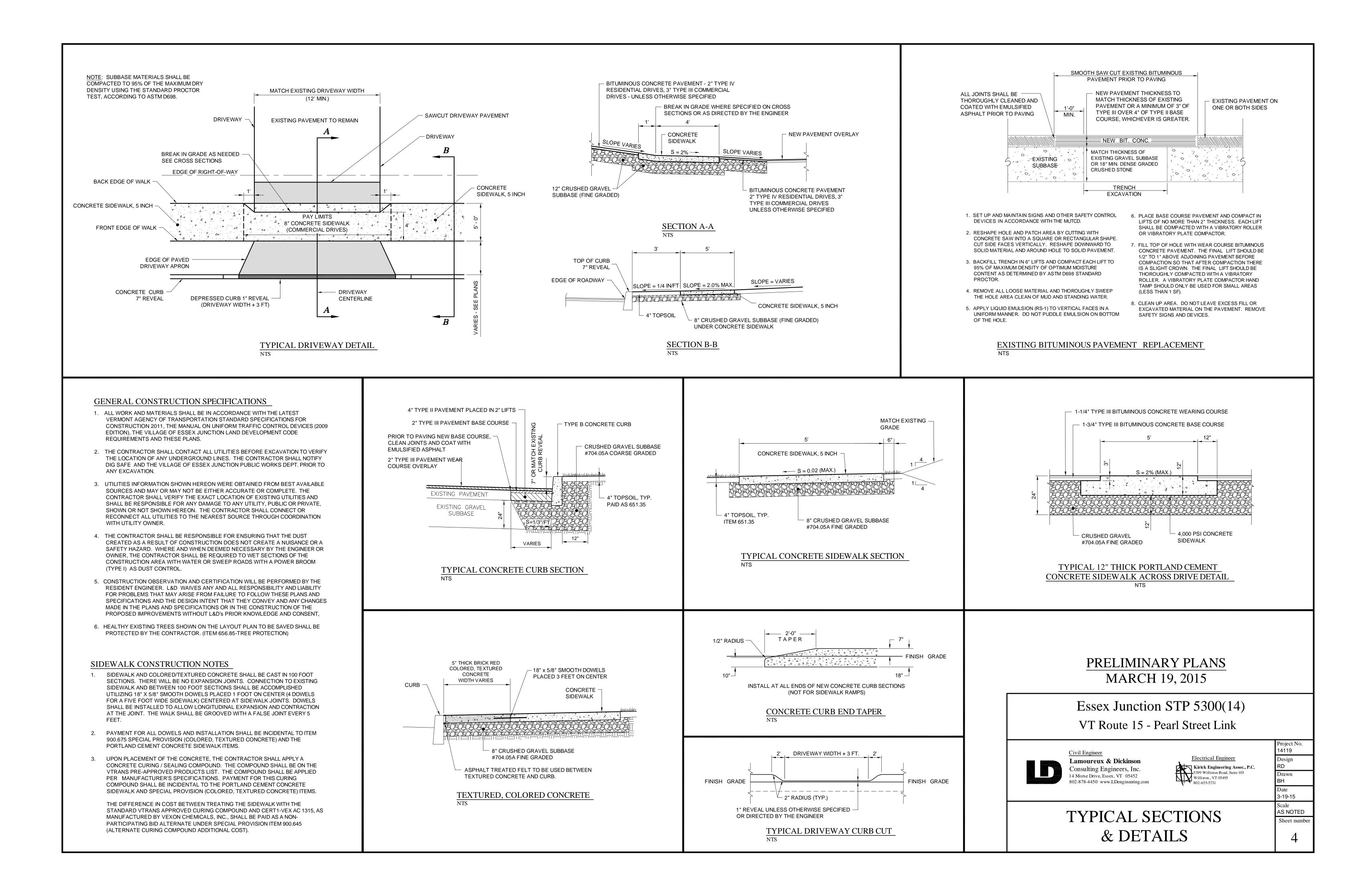
Electrical Engineer Kirick Engineering Assoc., P.C. 5399 Williston Road, Suite 103 Williston., VT 05495 802-655-5731

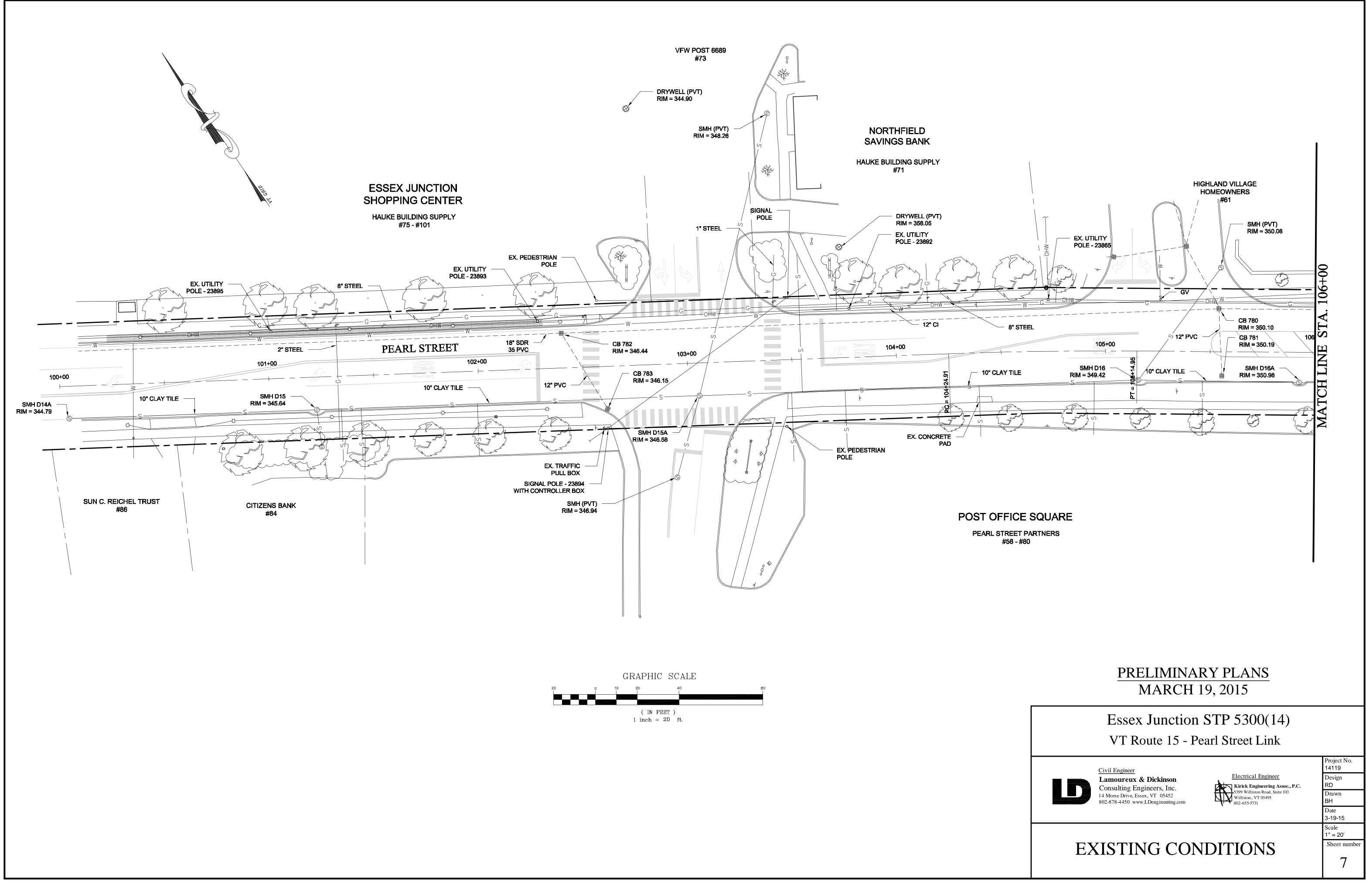
14119 Design RD Drawn BH Date 3-19-15 Scale AS NOTED Sheet number

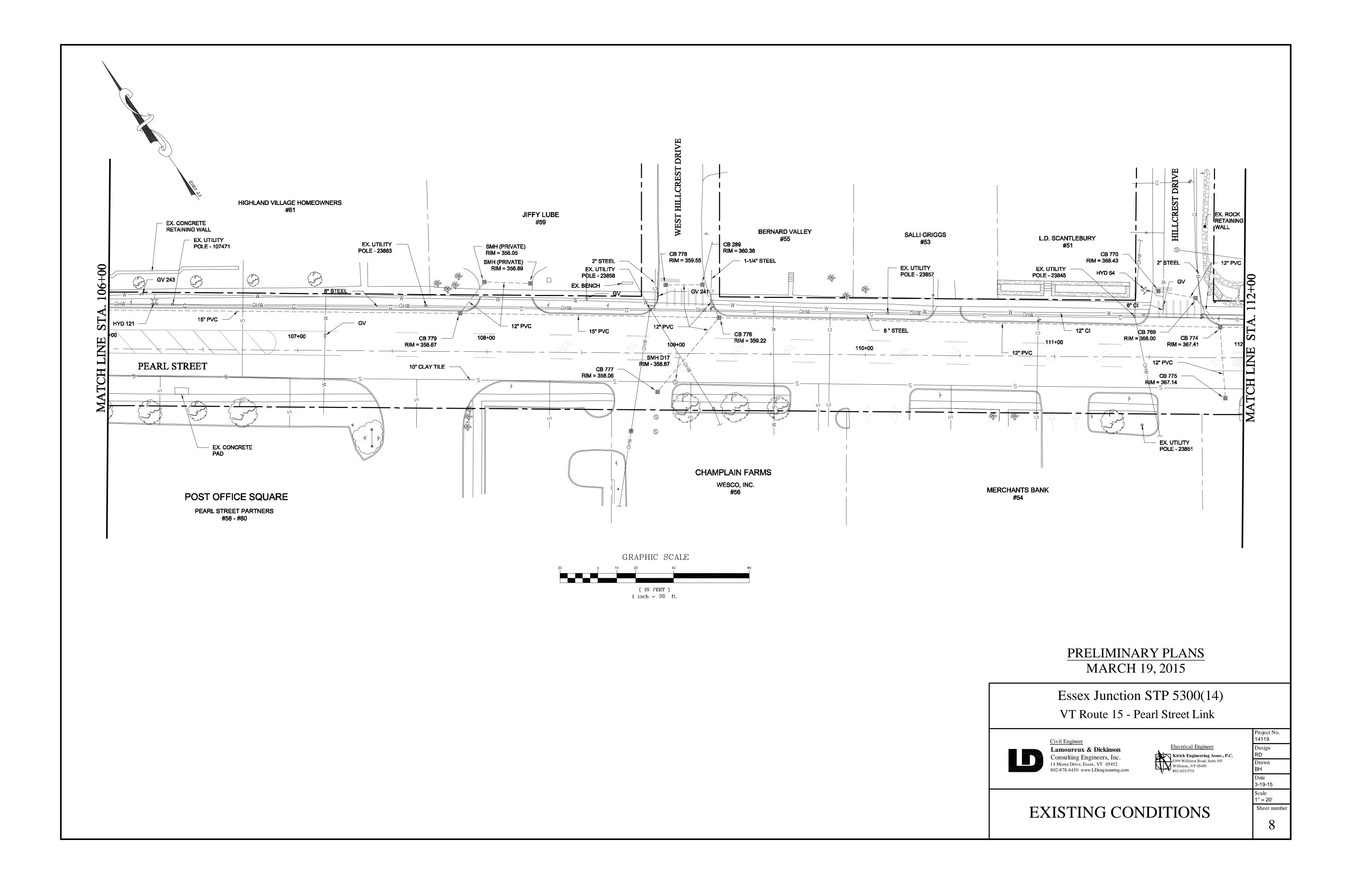
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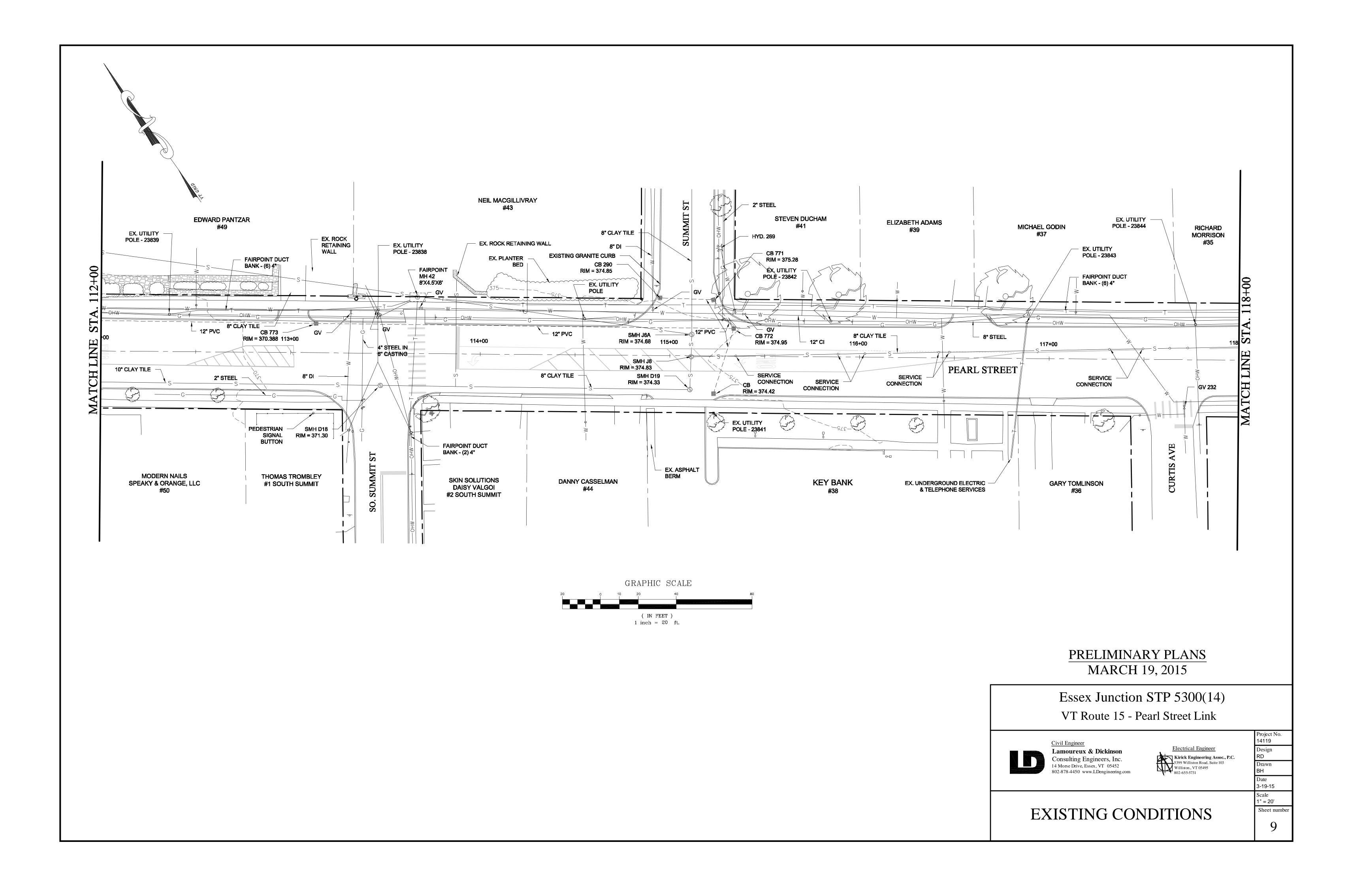
# **TYPICAL SECTIONS**

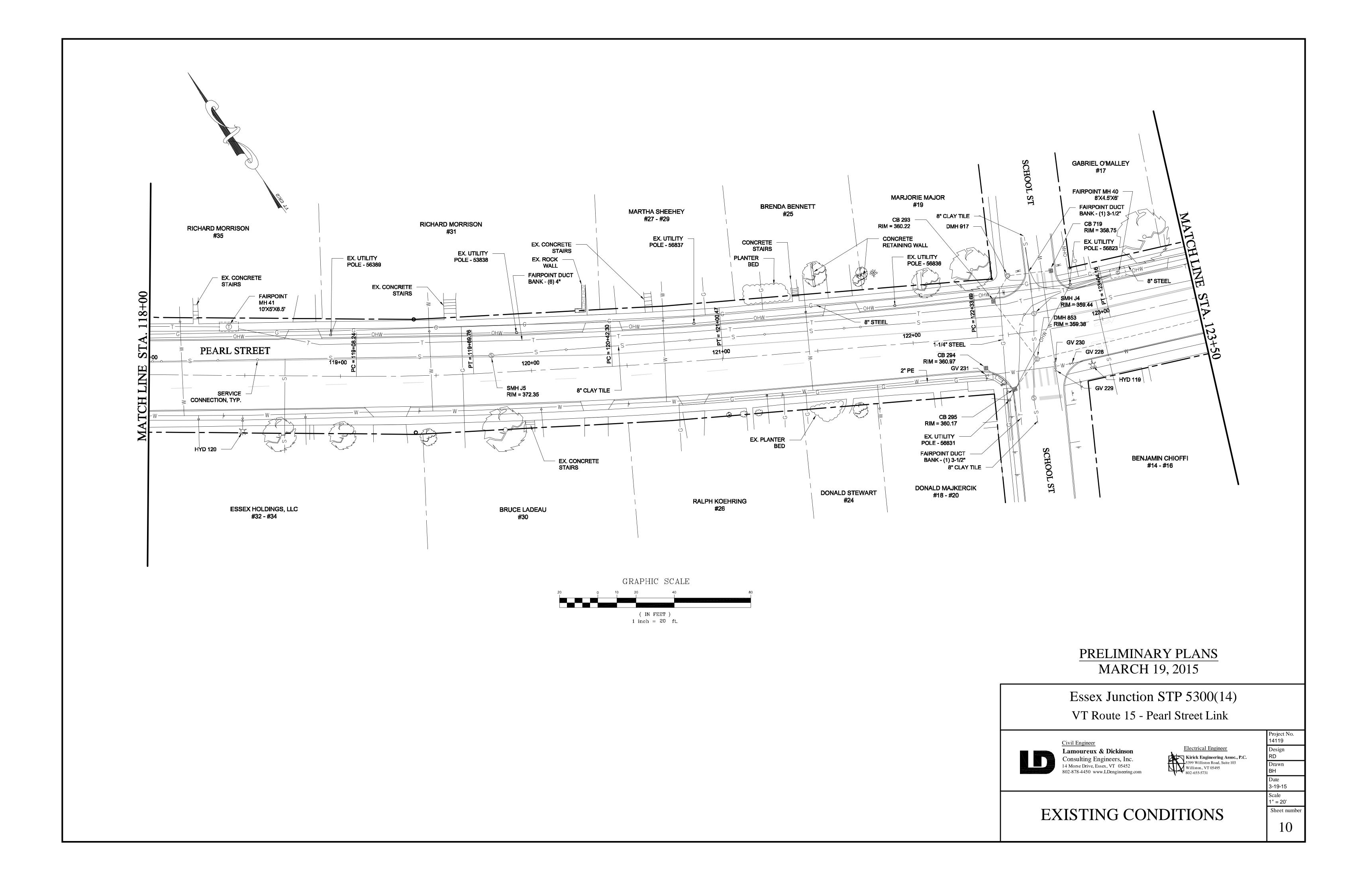
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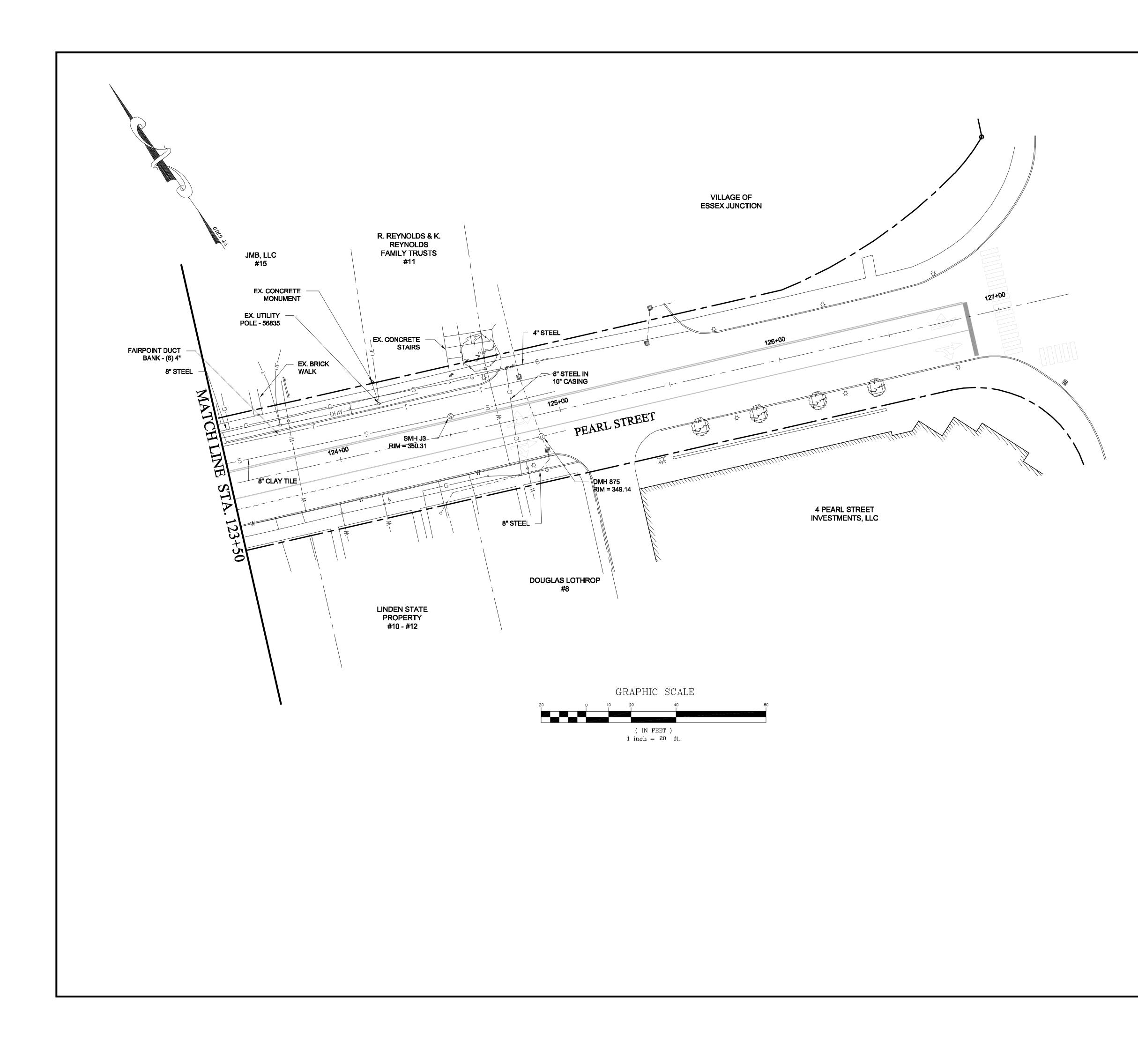












### PRELIMINARY PLANS MARCH 19, 2015

# Essex Junction STP 5300(14) VT Route 15 - Pearl Street Link

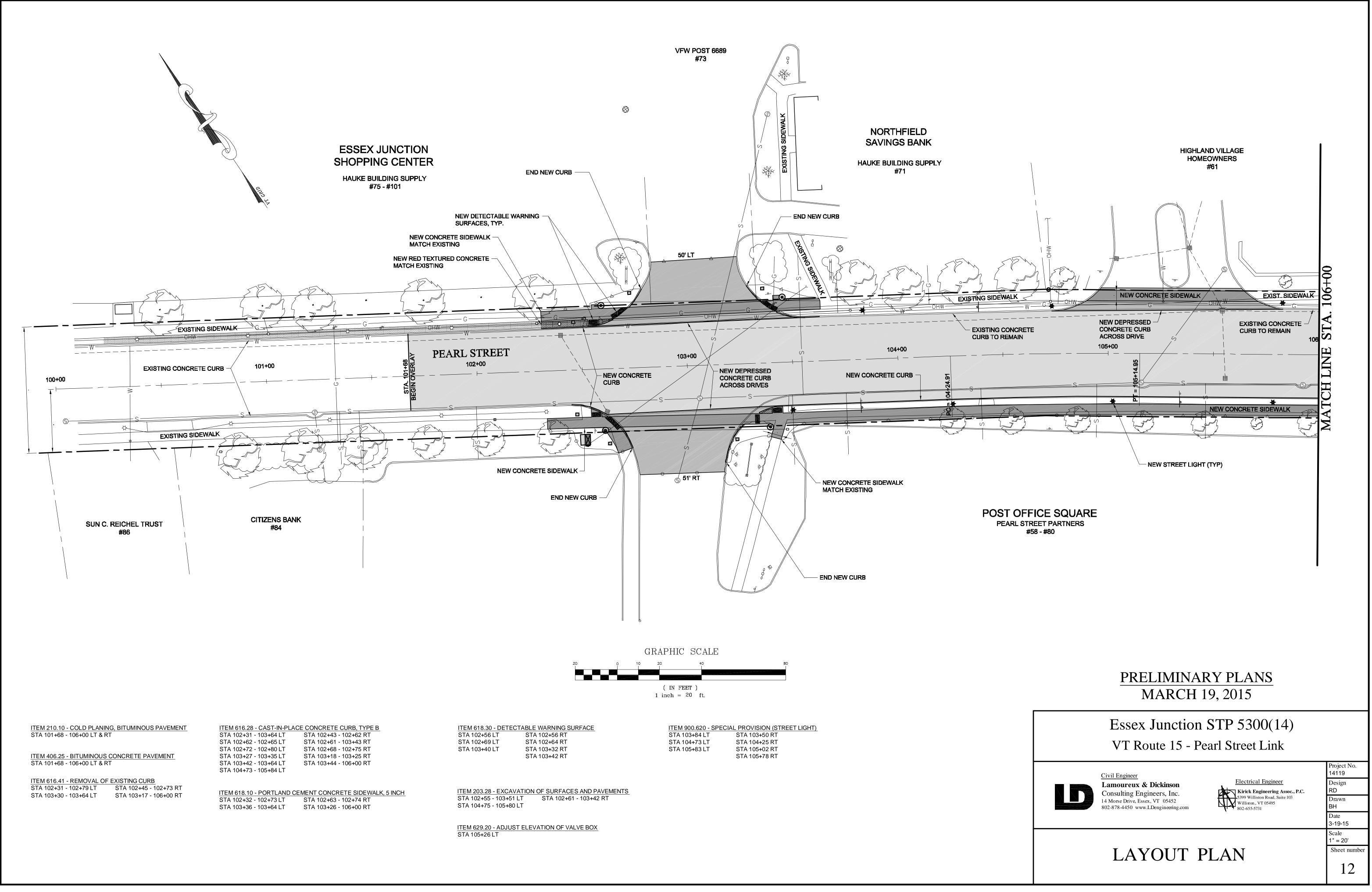
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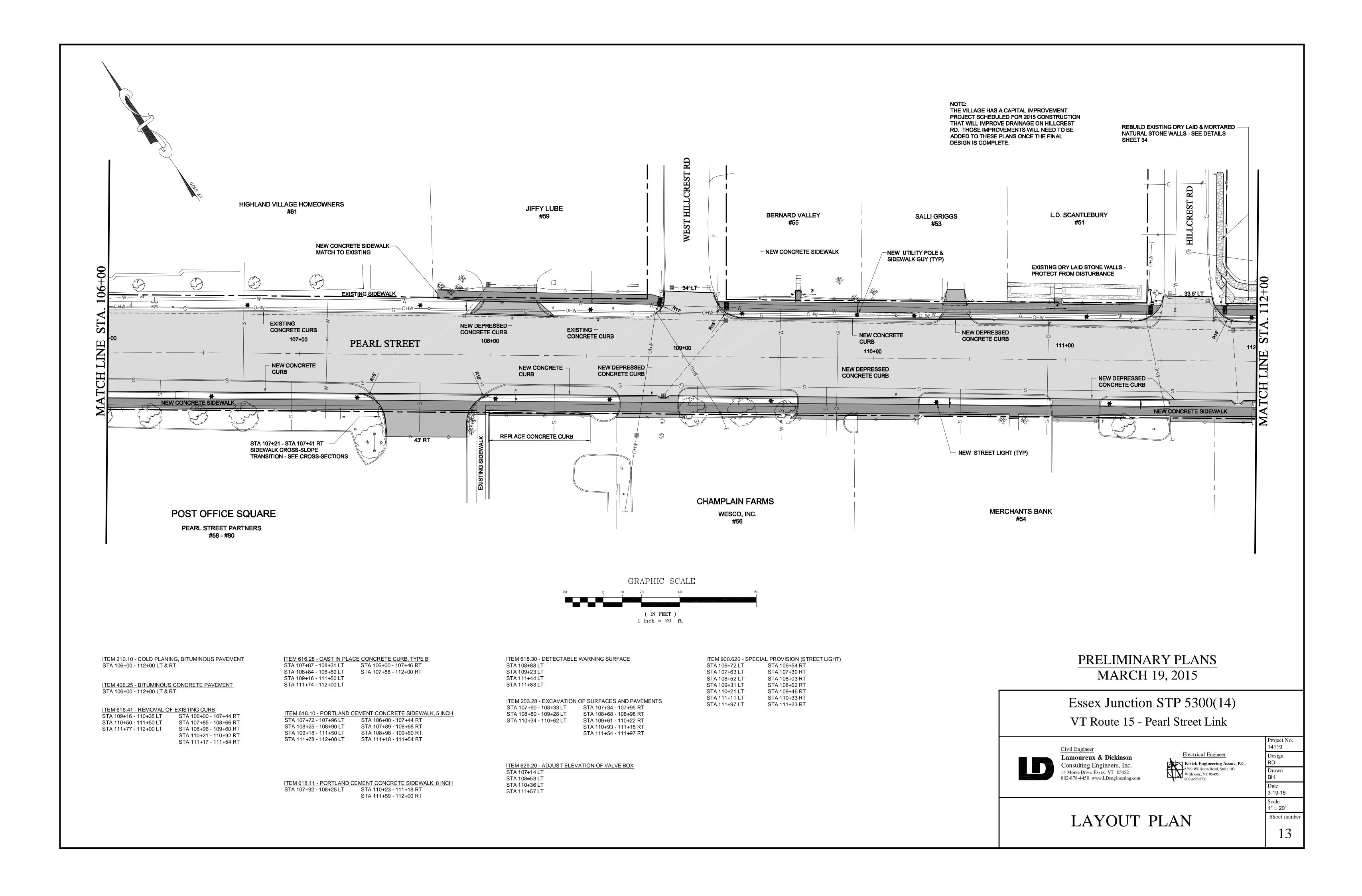
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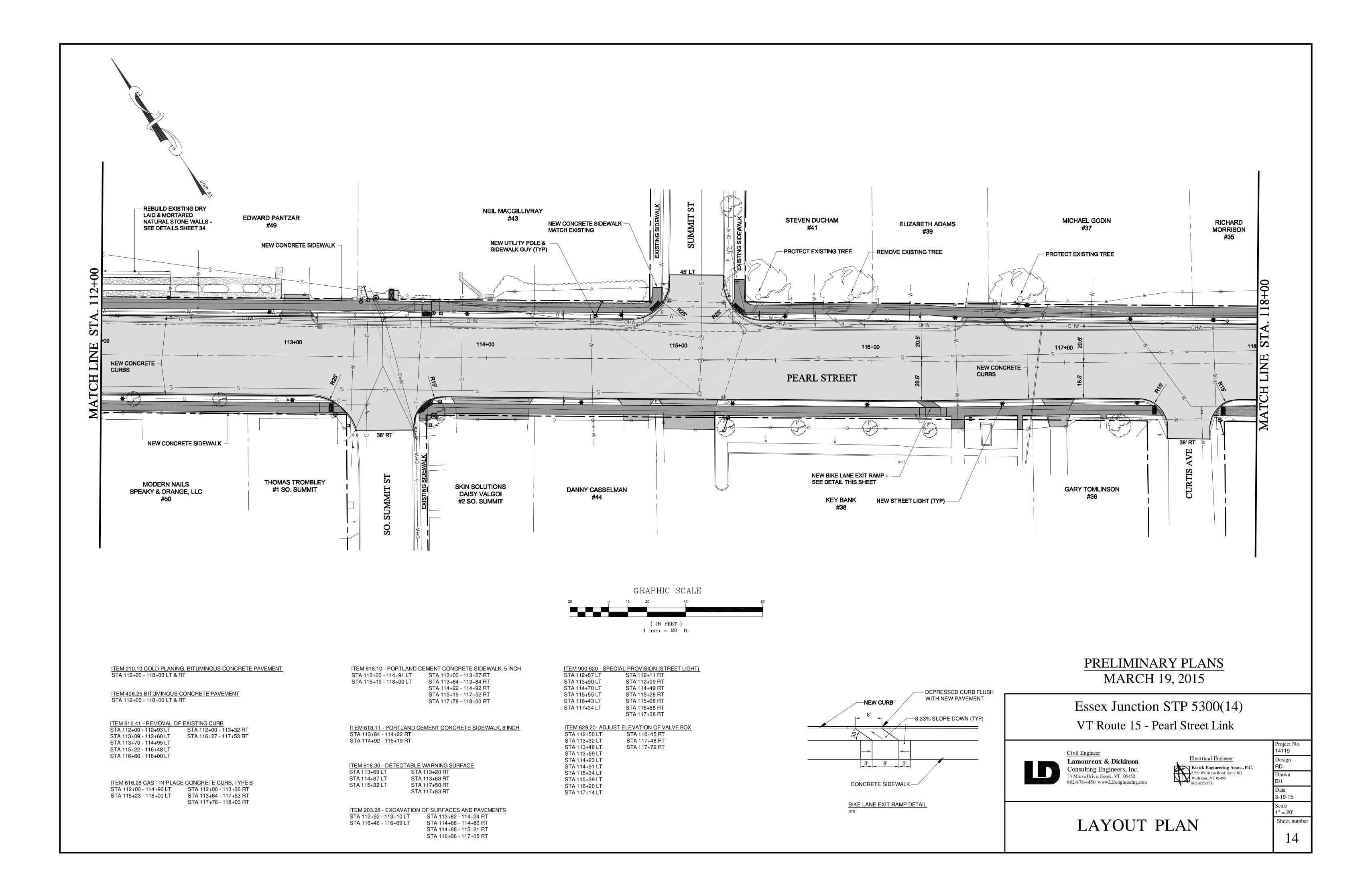
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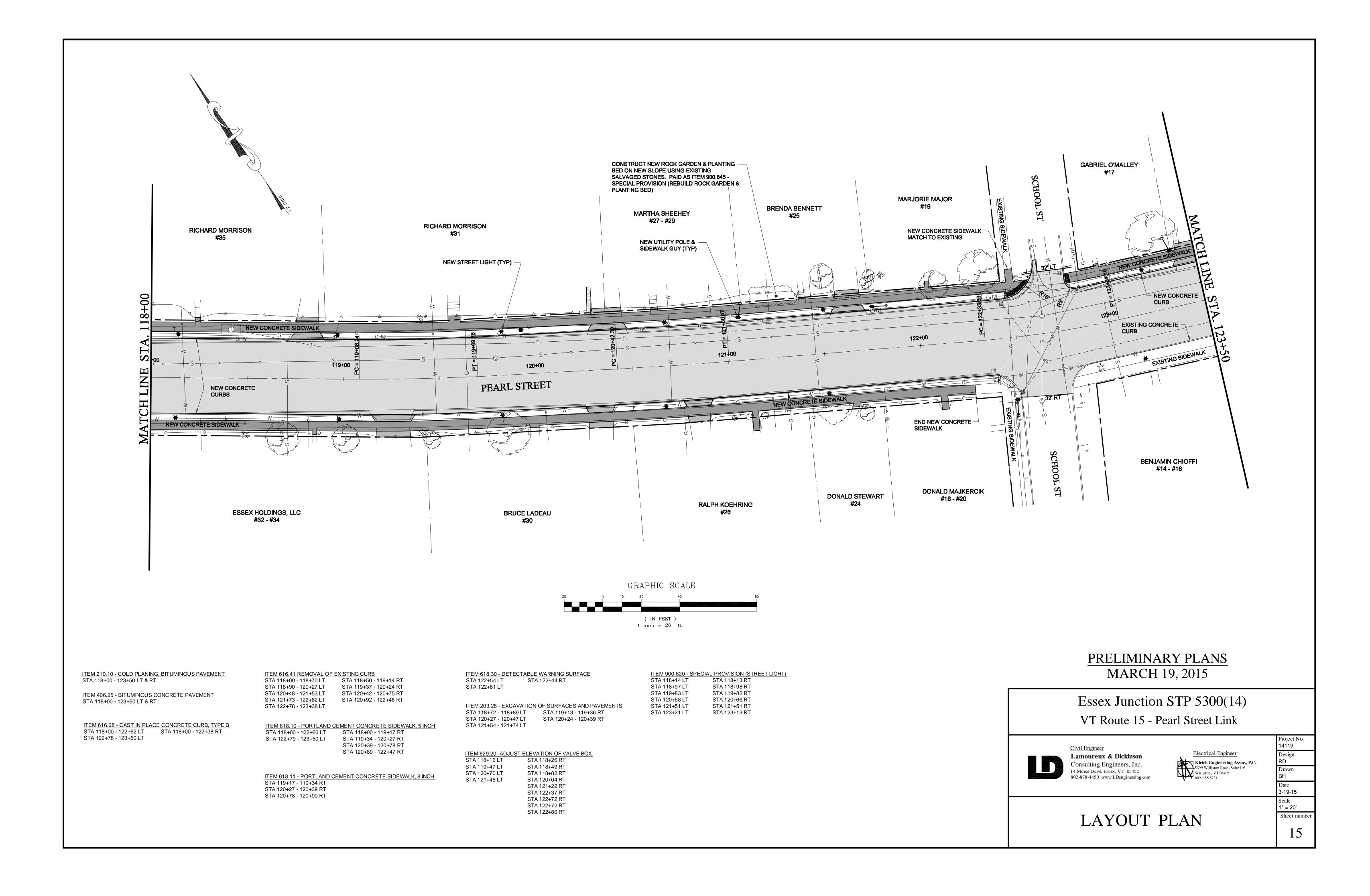
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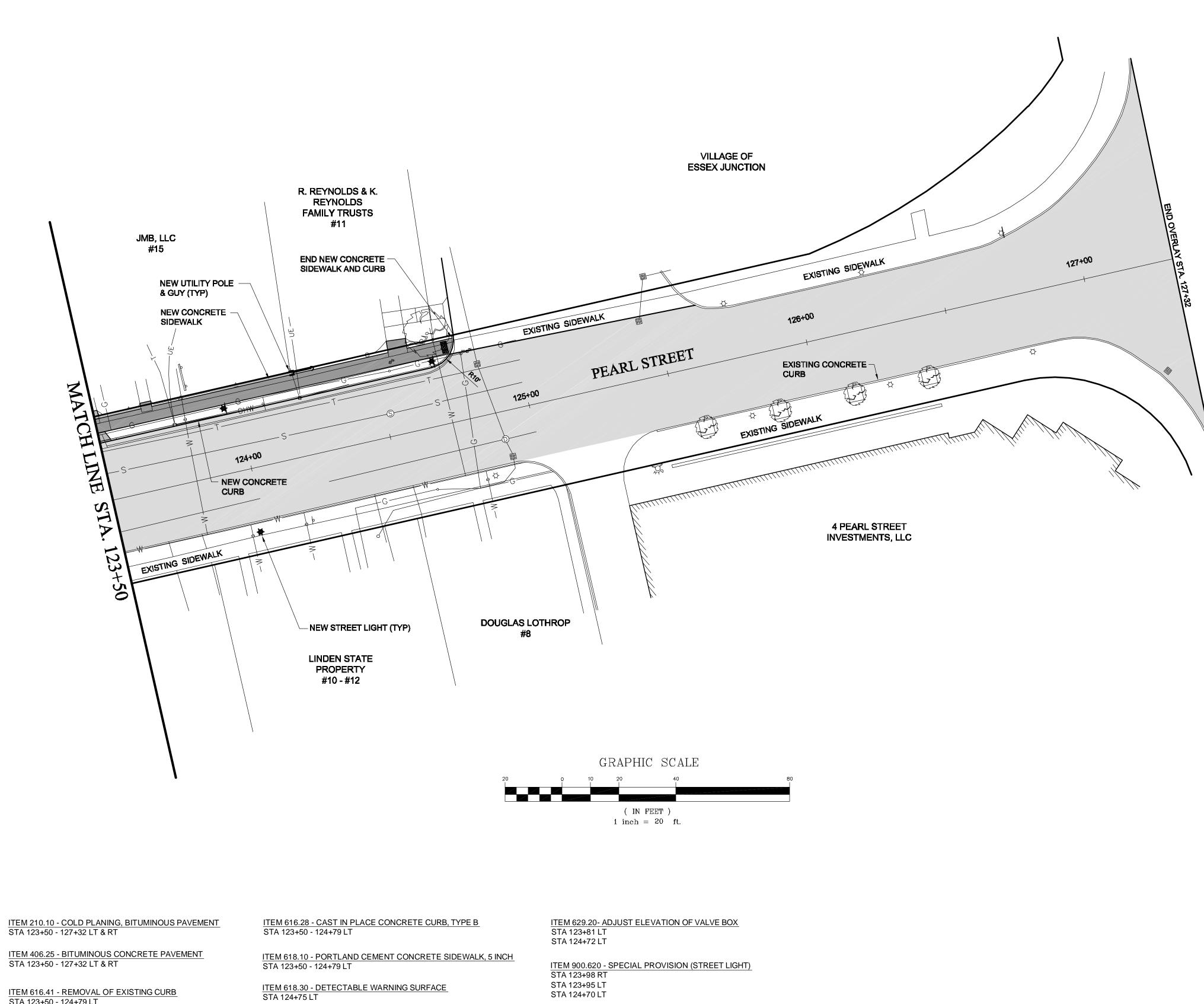
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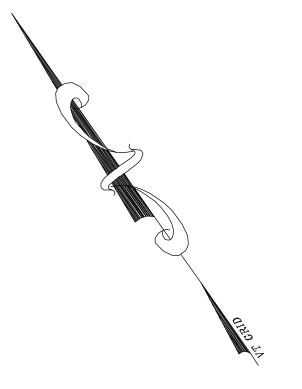








ITEM 616.41 - REMOVAL OF EXISTING CURB STA 123+50 - 124+79 LT



FIVE CORNERS

### PRELIMINARY PLANS MARCH 19, 2015

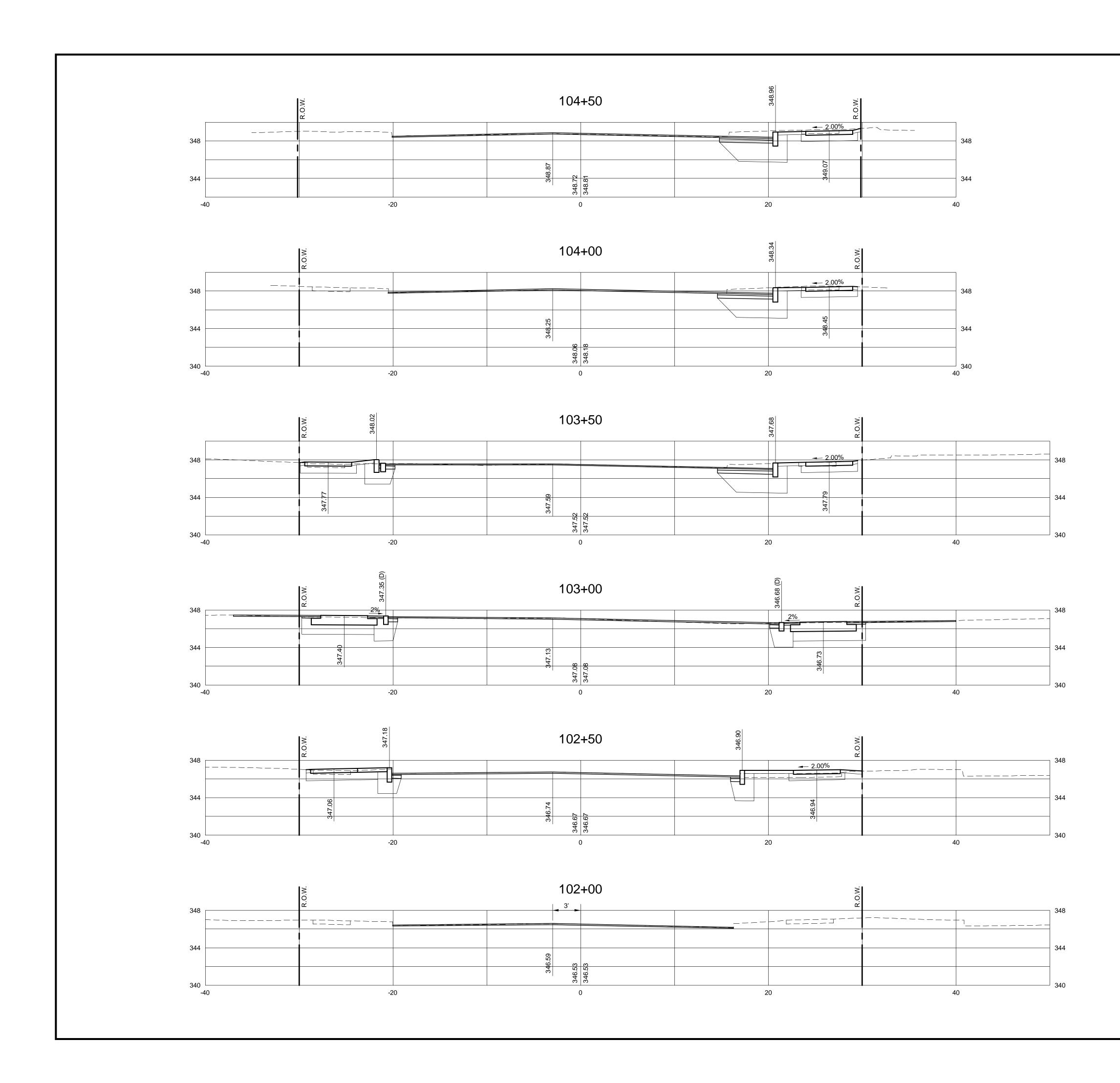
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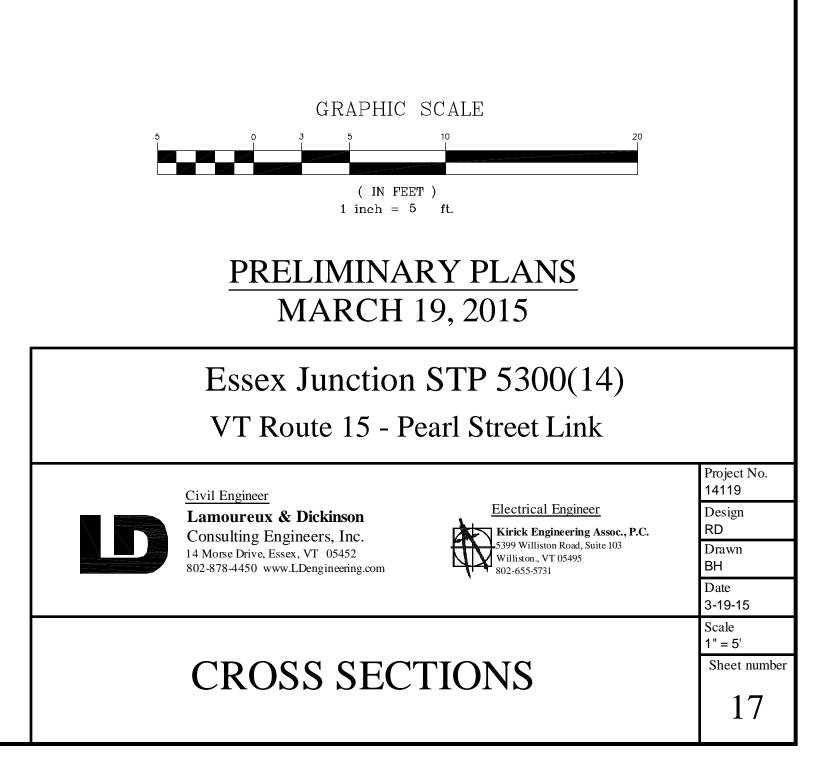
<u>Civil Engineer</u> Lamoureux & Dickinson Consulting Engineers, Inc. 14 Morse Drive, Essex, VT 05452 802-878-4450 www.LDengineering.com

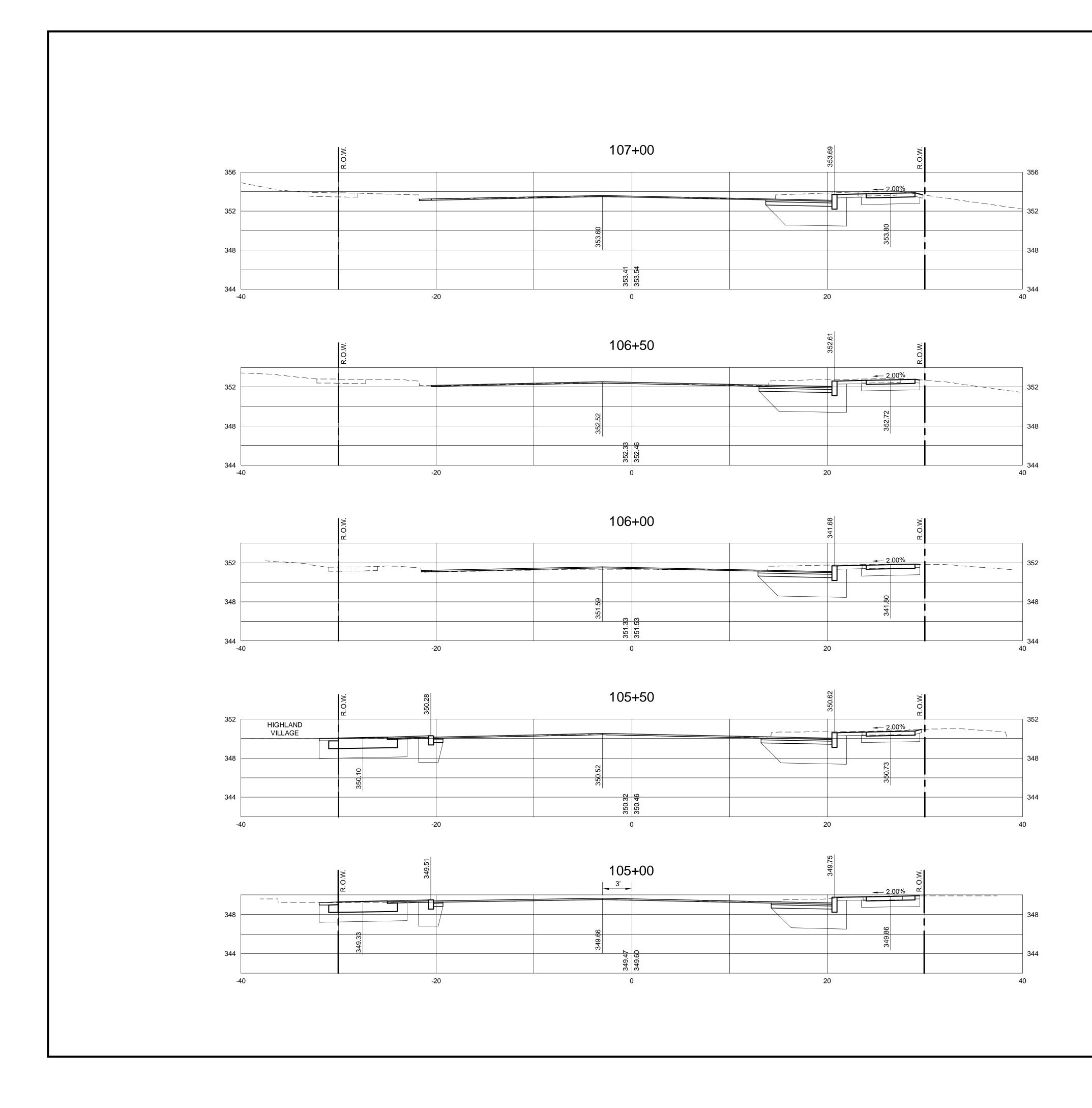
LAYOUT PLAN

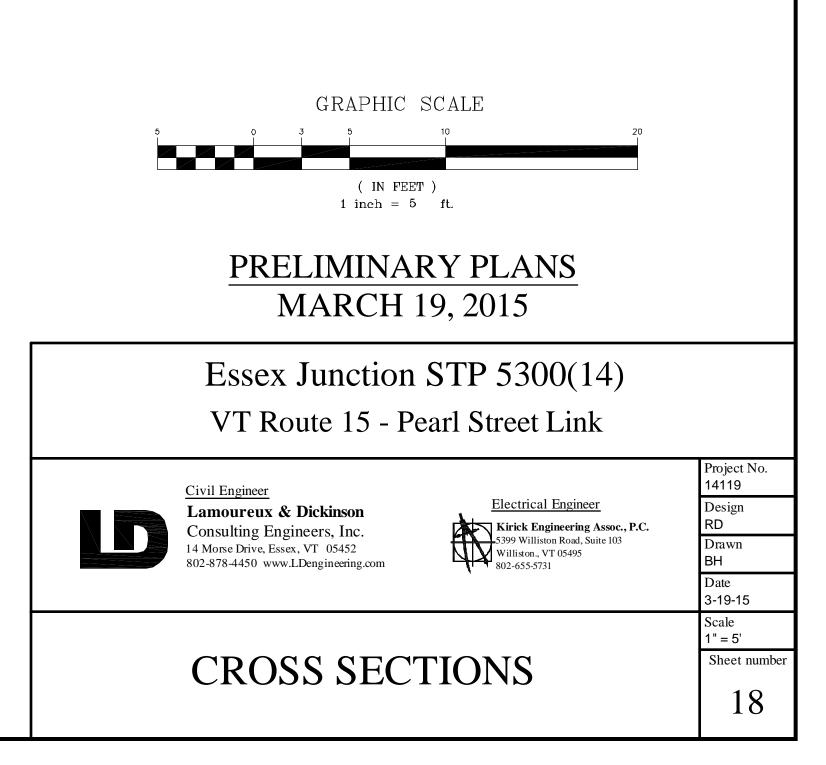
Electrical Engineer Kirick Engineering Assoc., P.C. 5399 Williston Road, Suite 103 Williston., VT 05495 802-655-5731

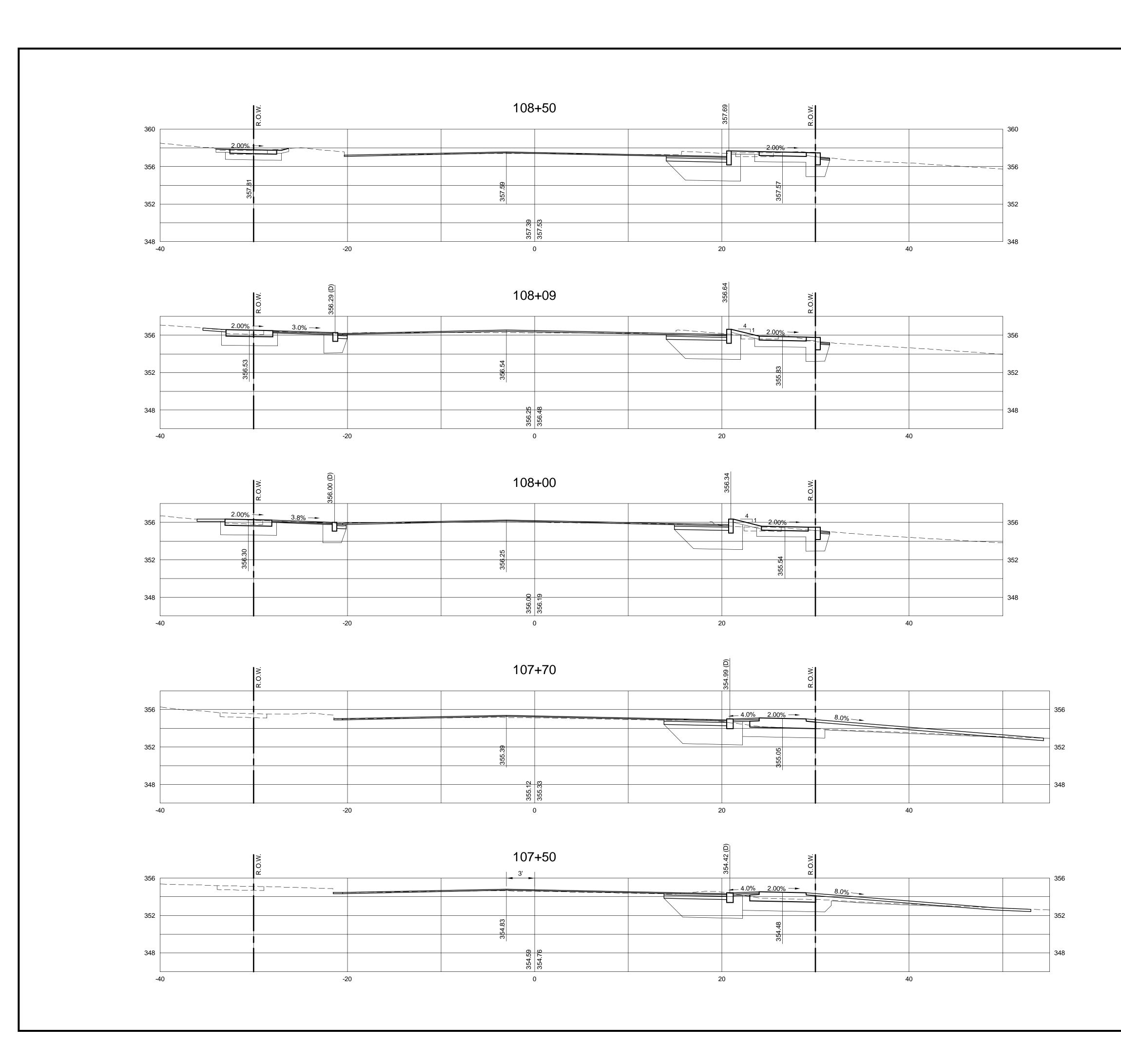
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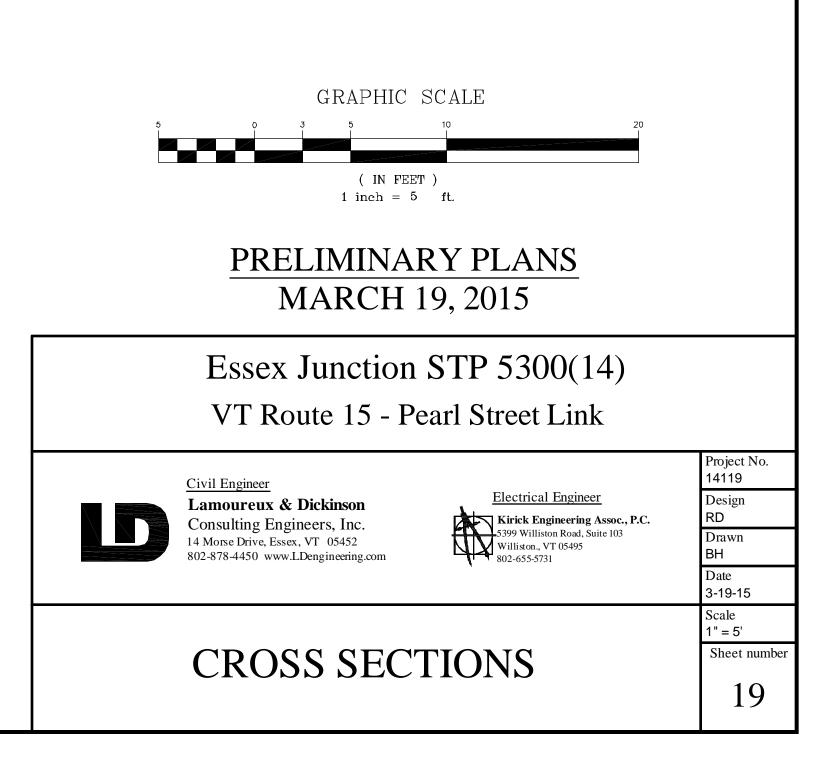


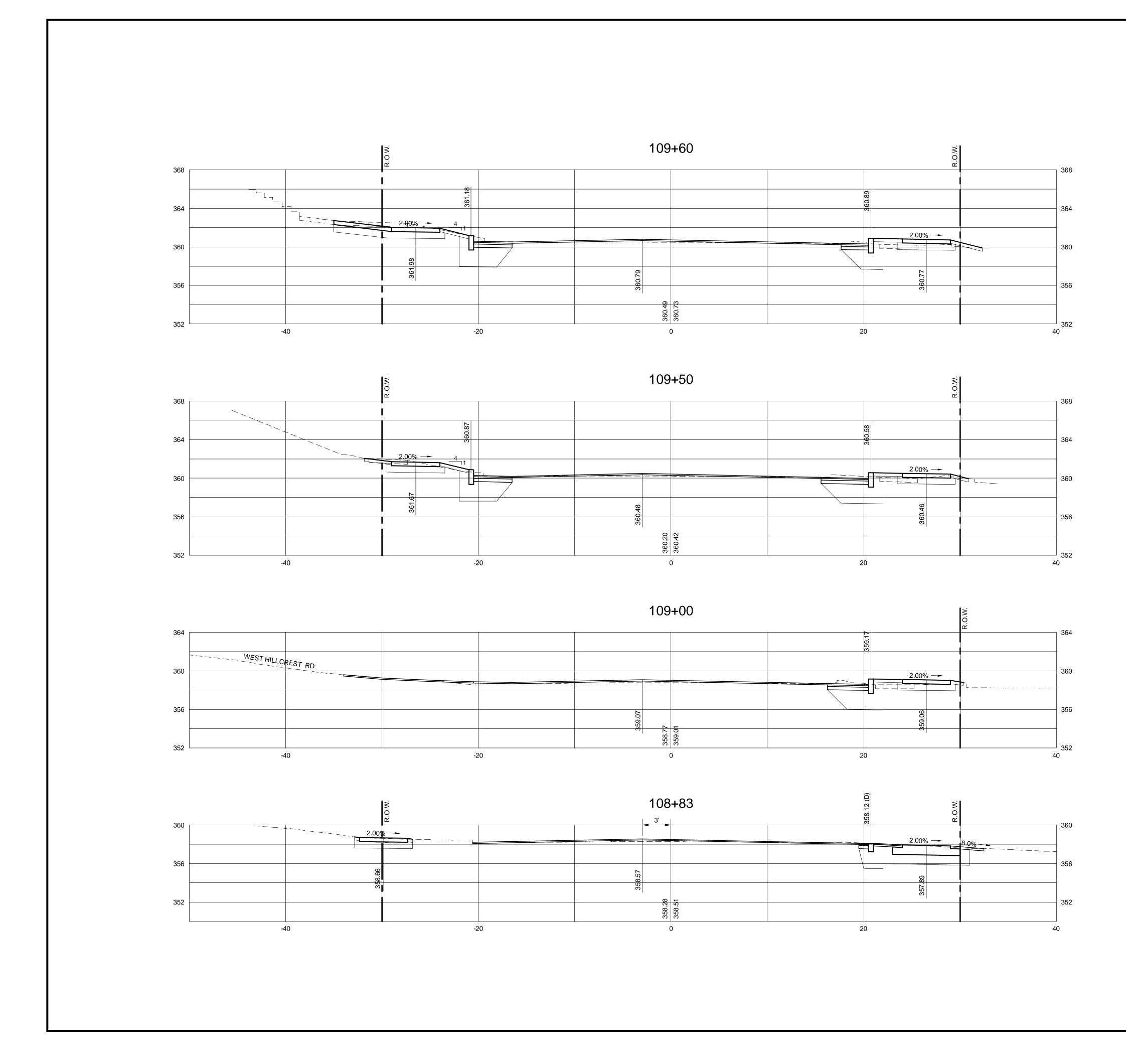




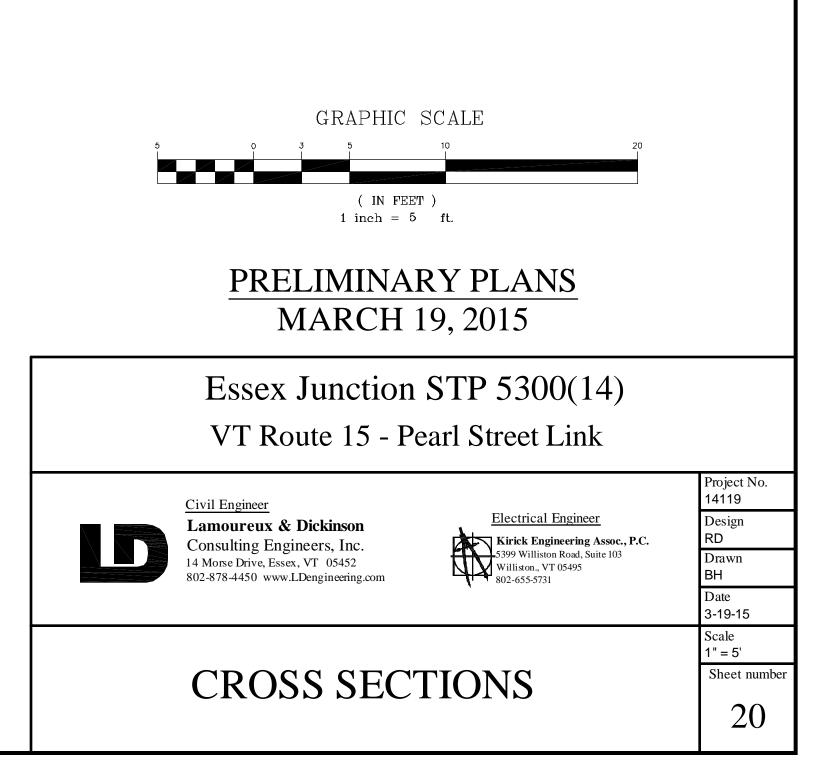


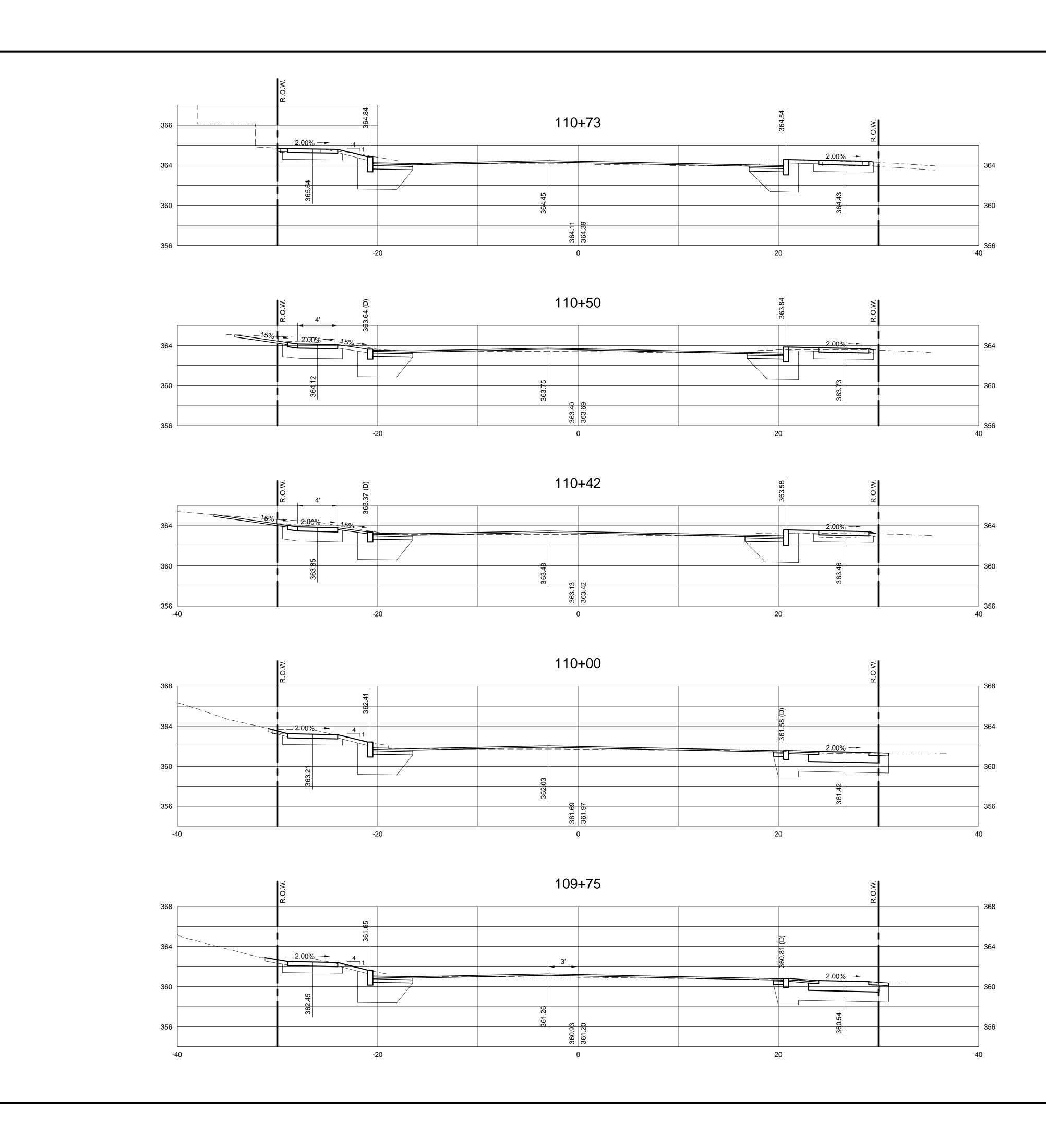




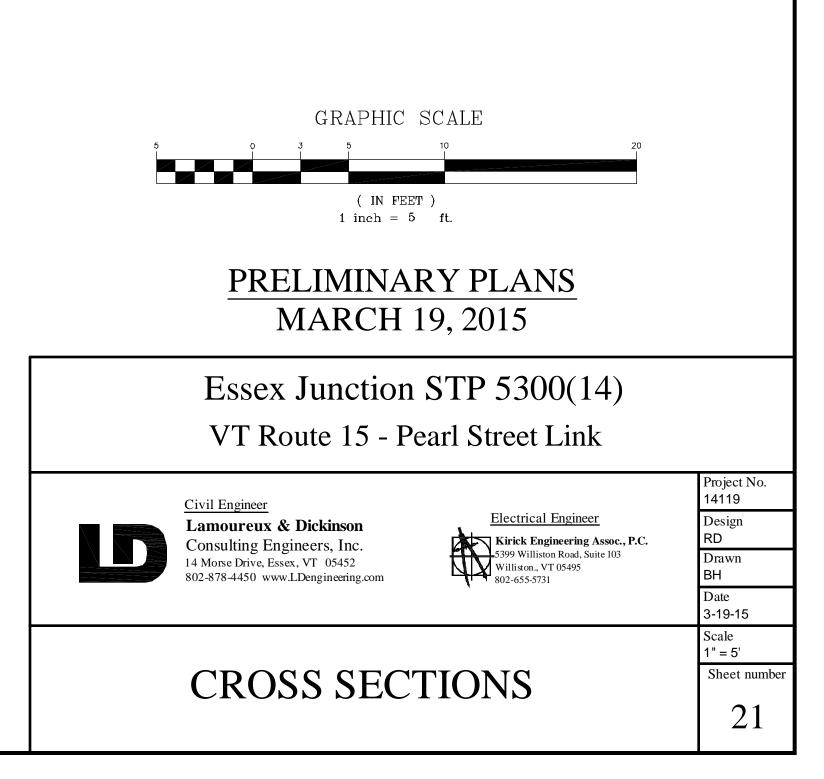


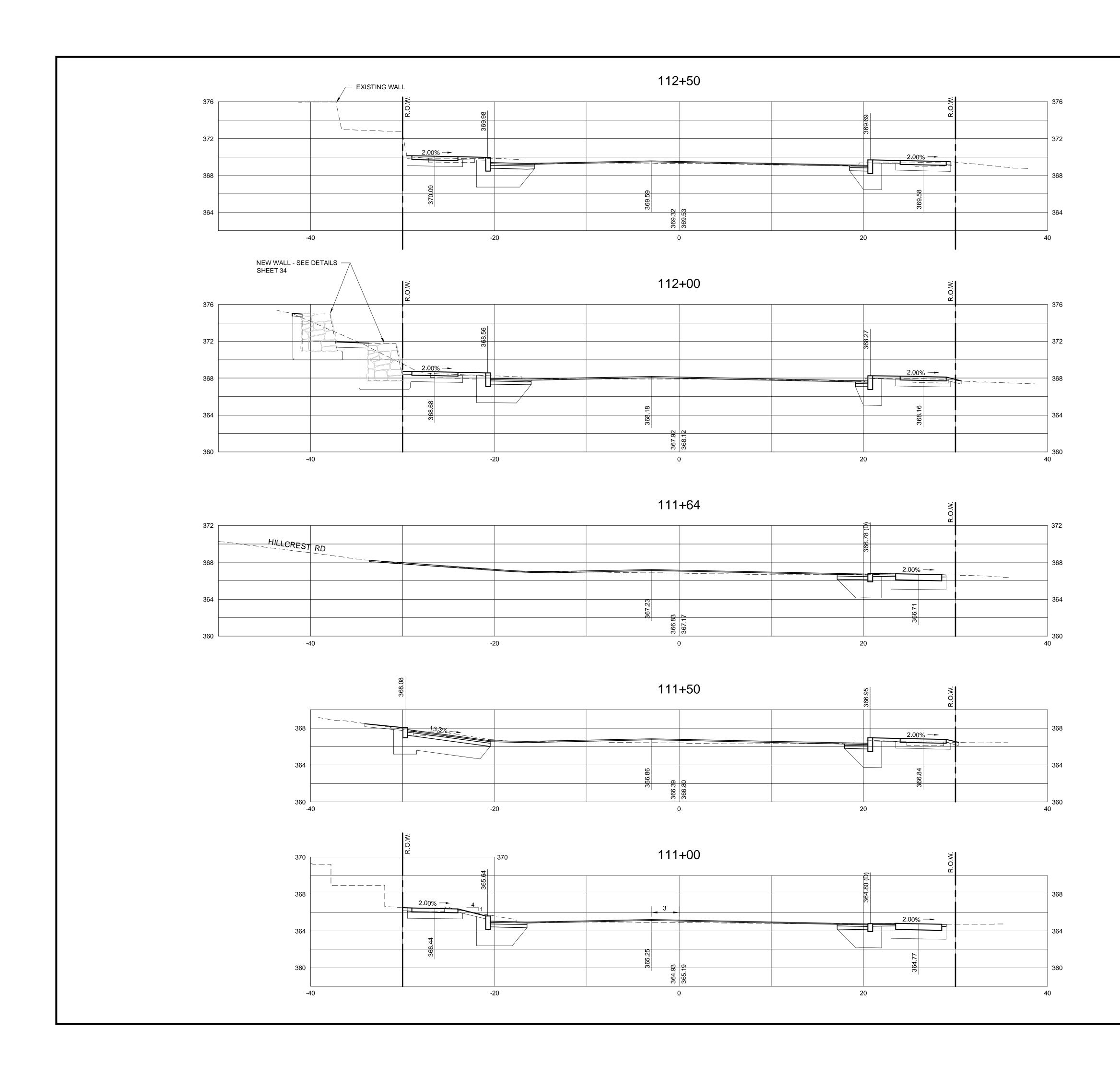
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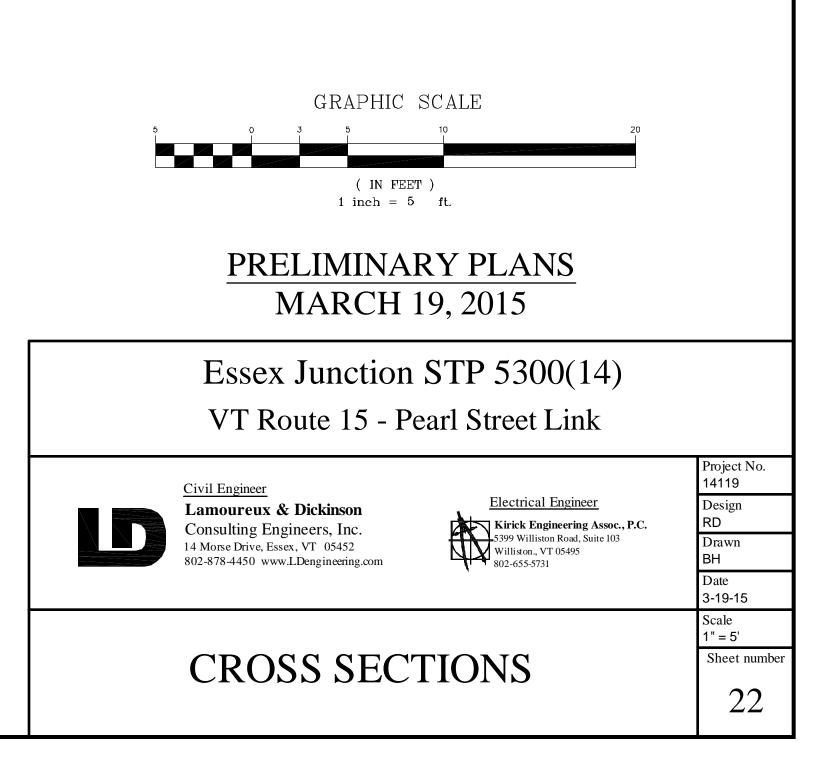


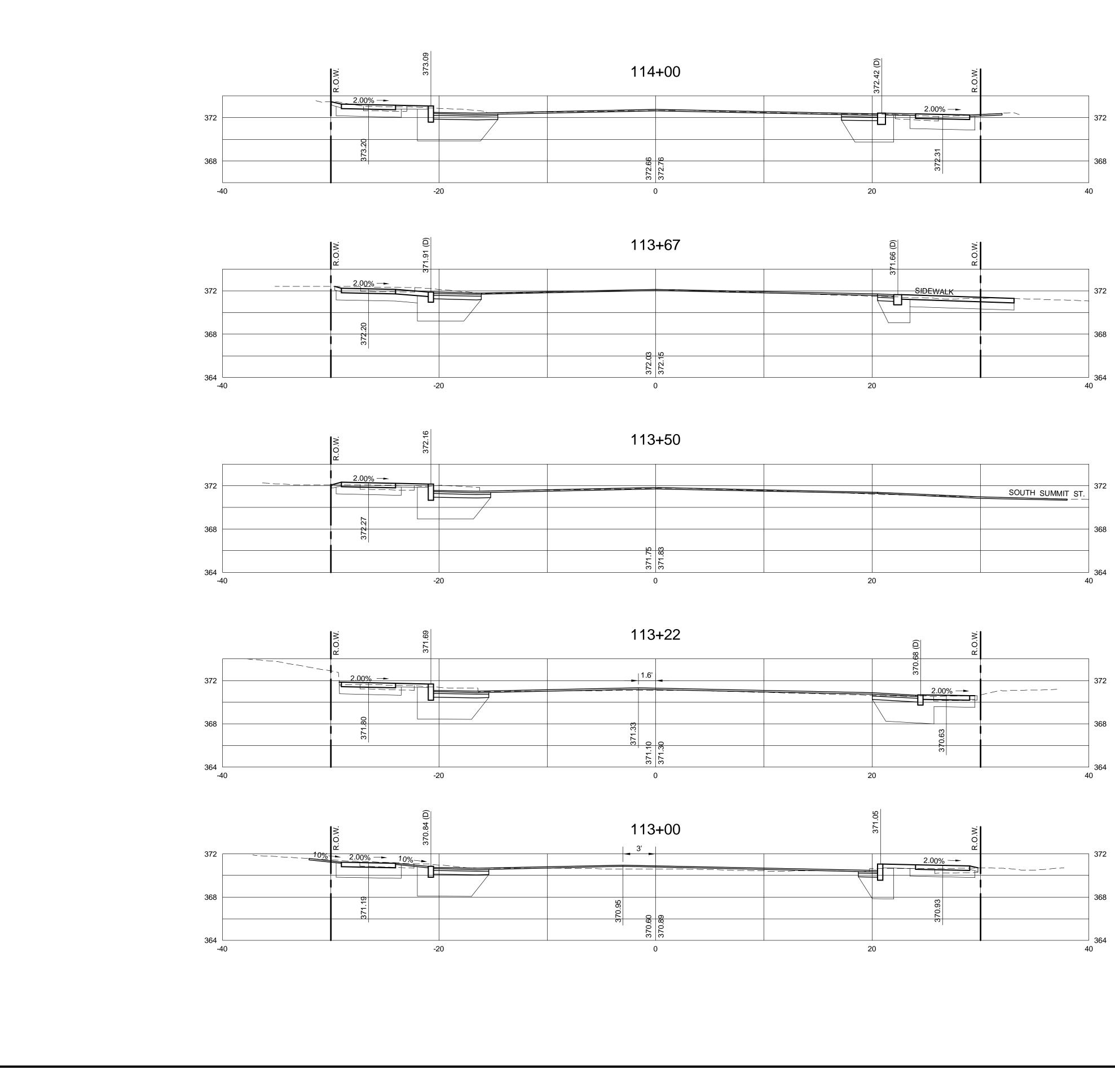


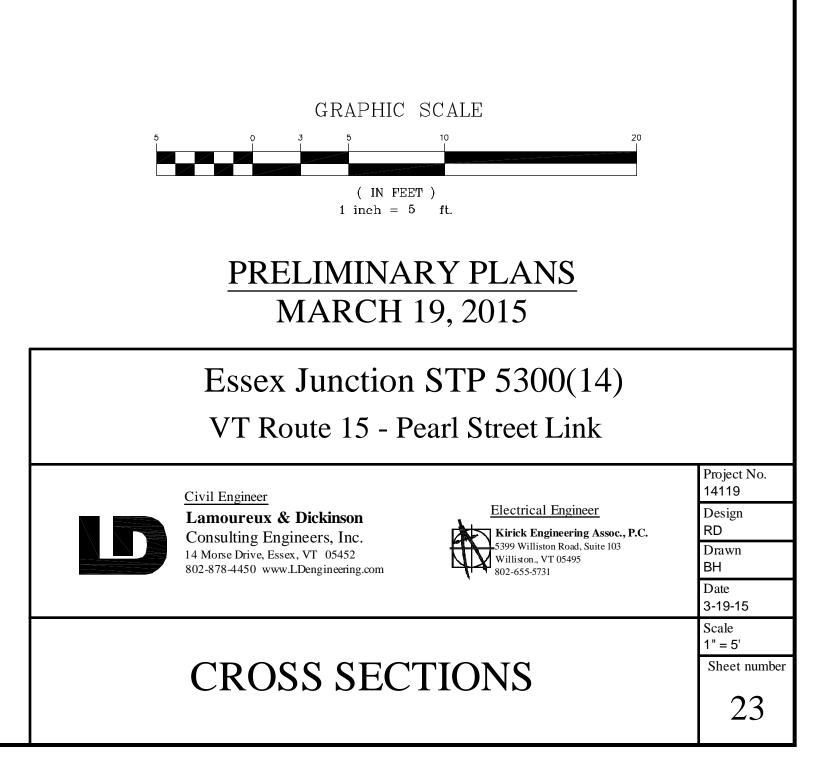
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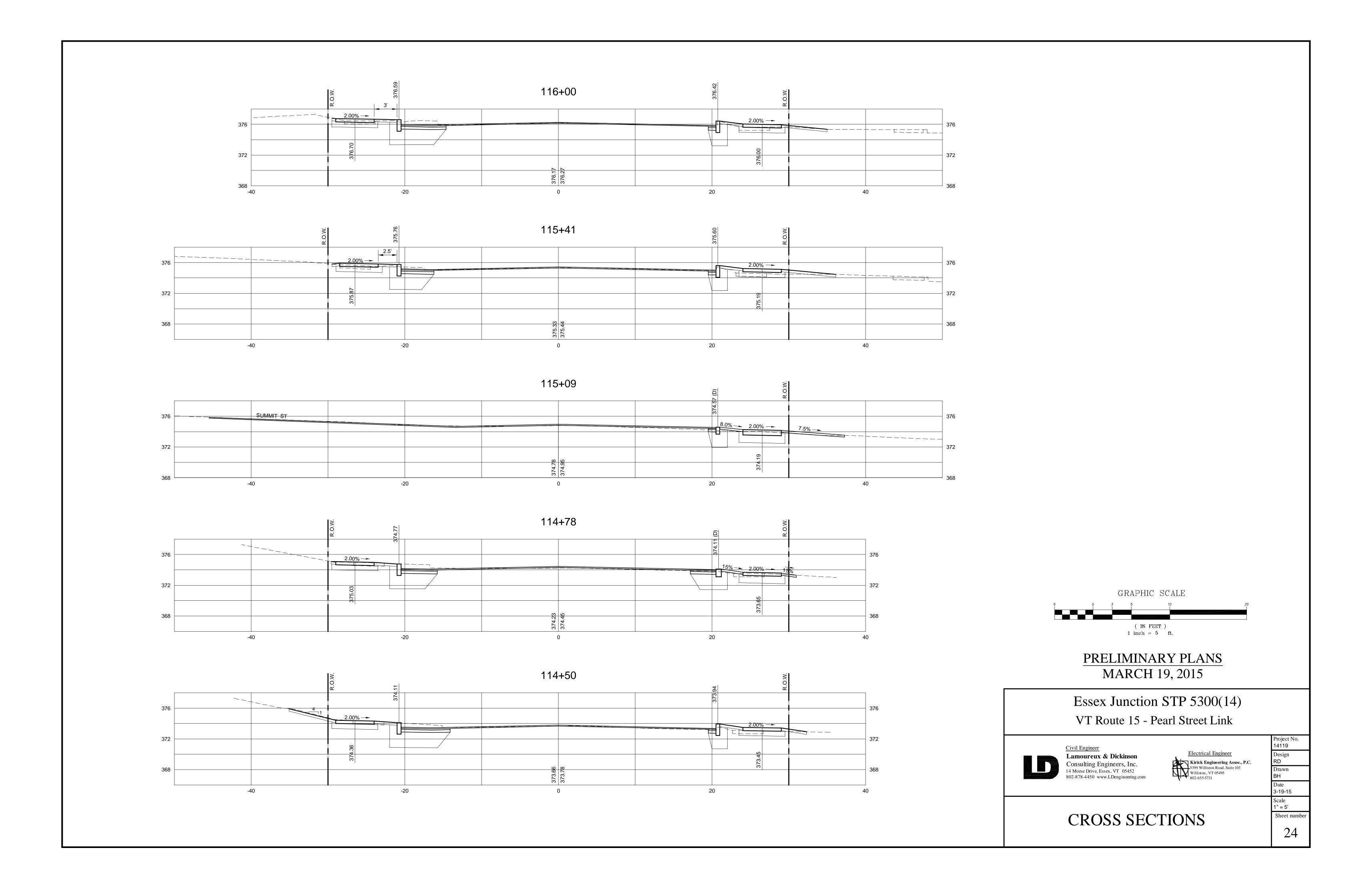


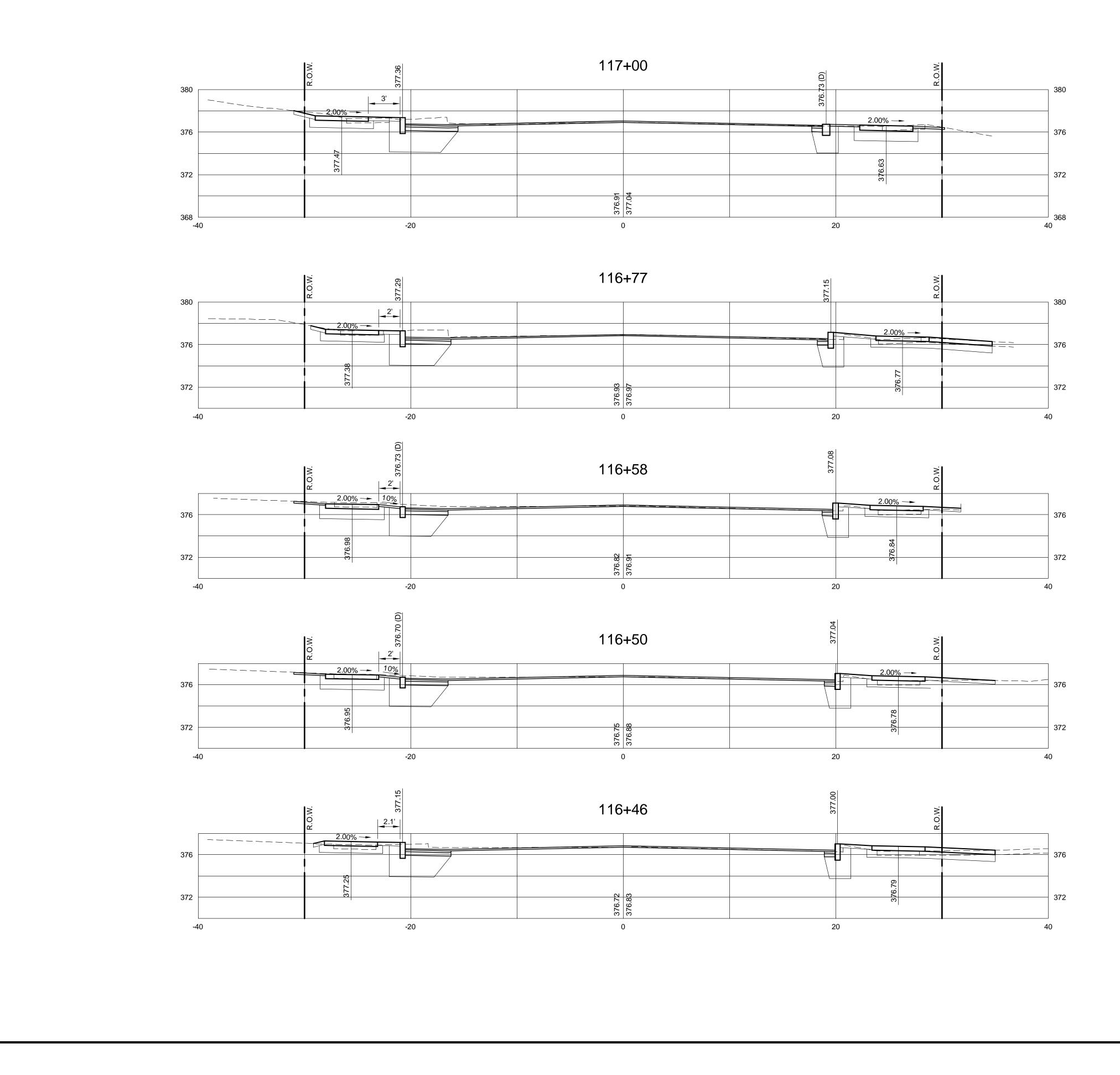


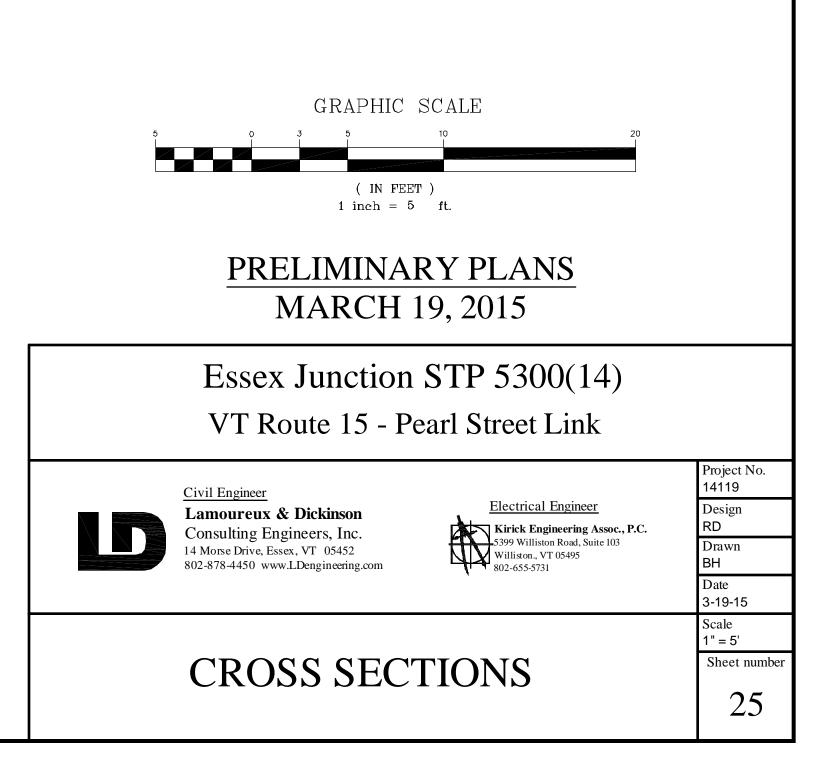


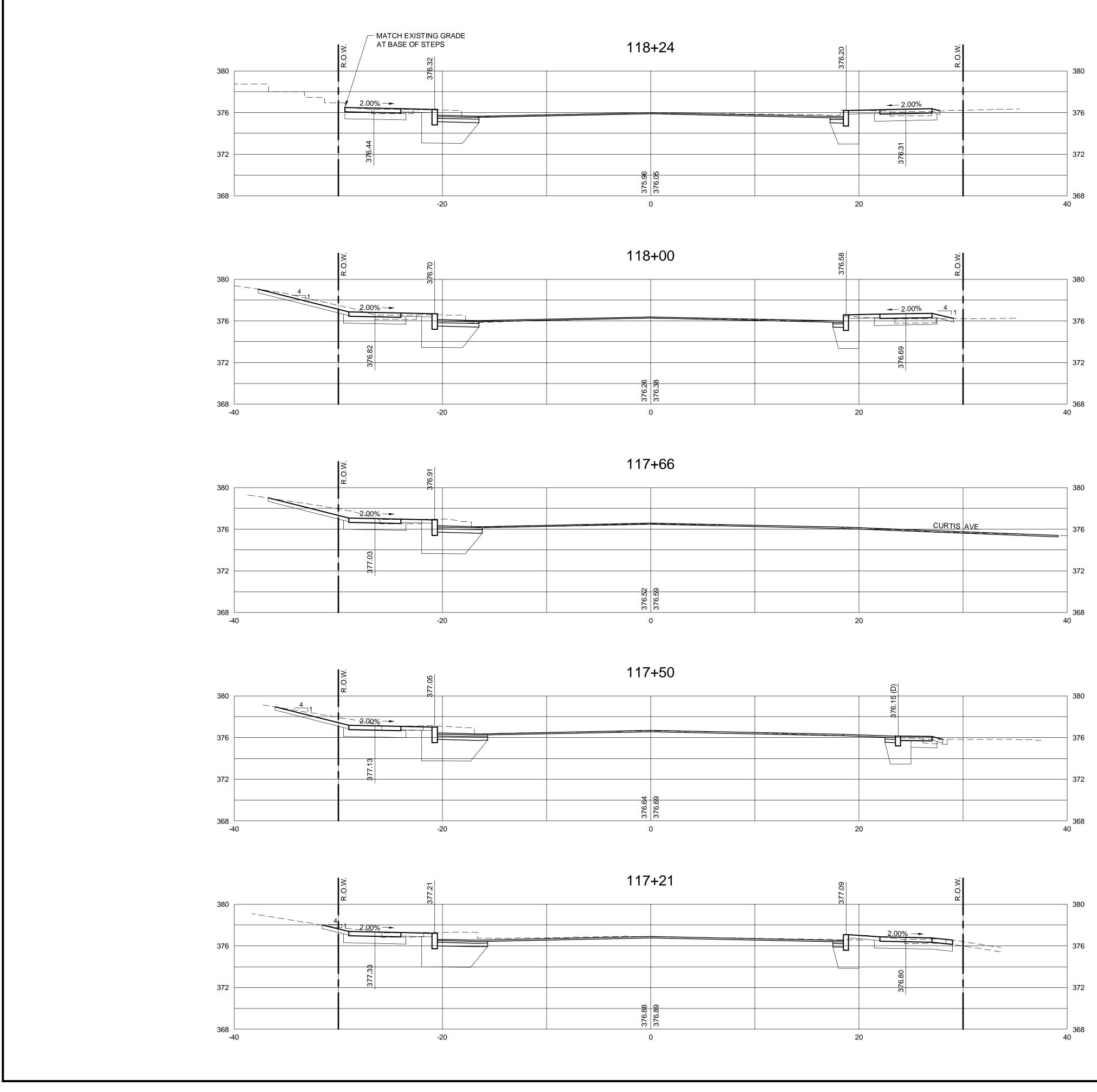


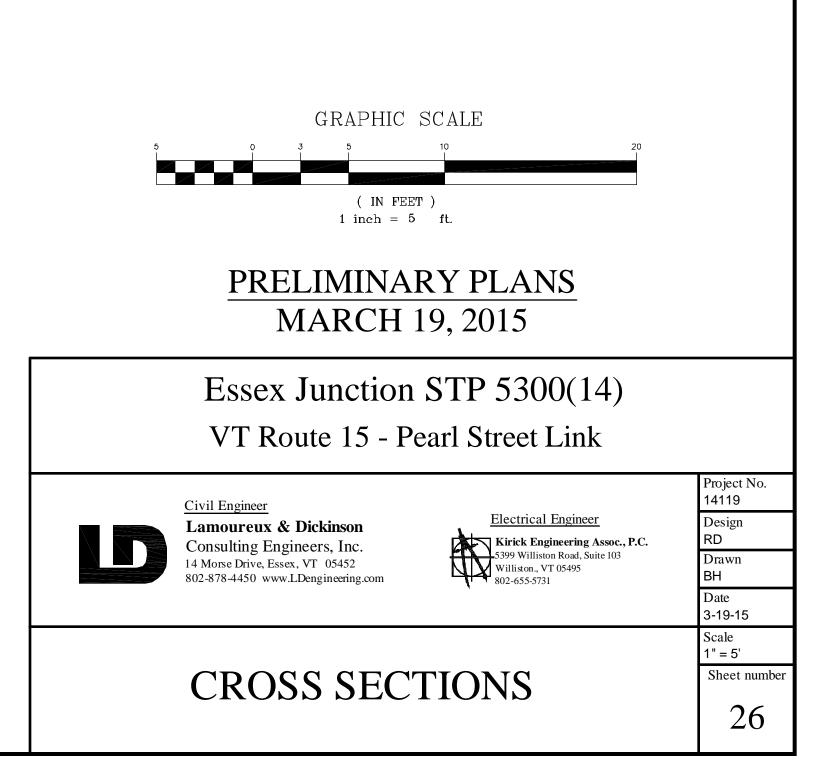


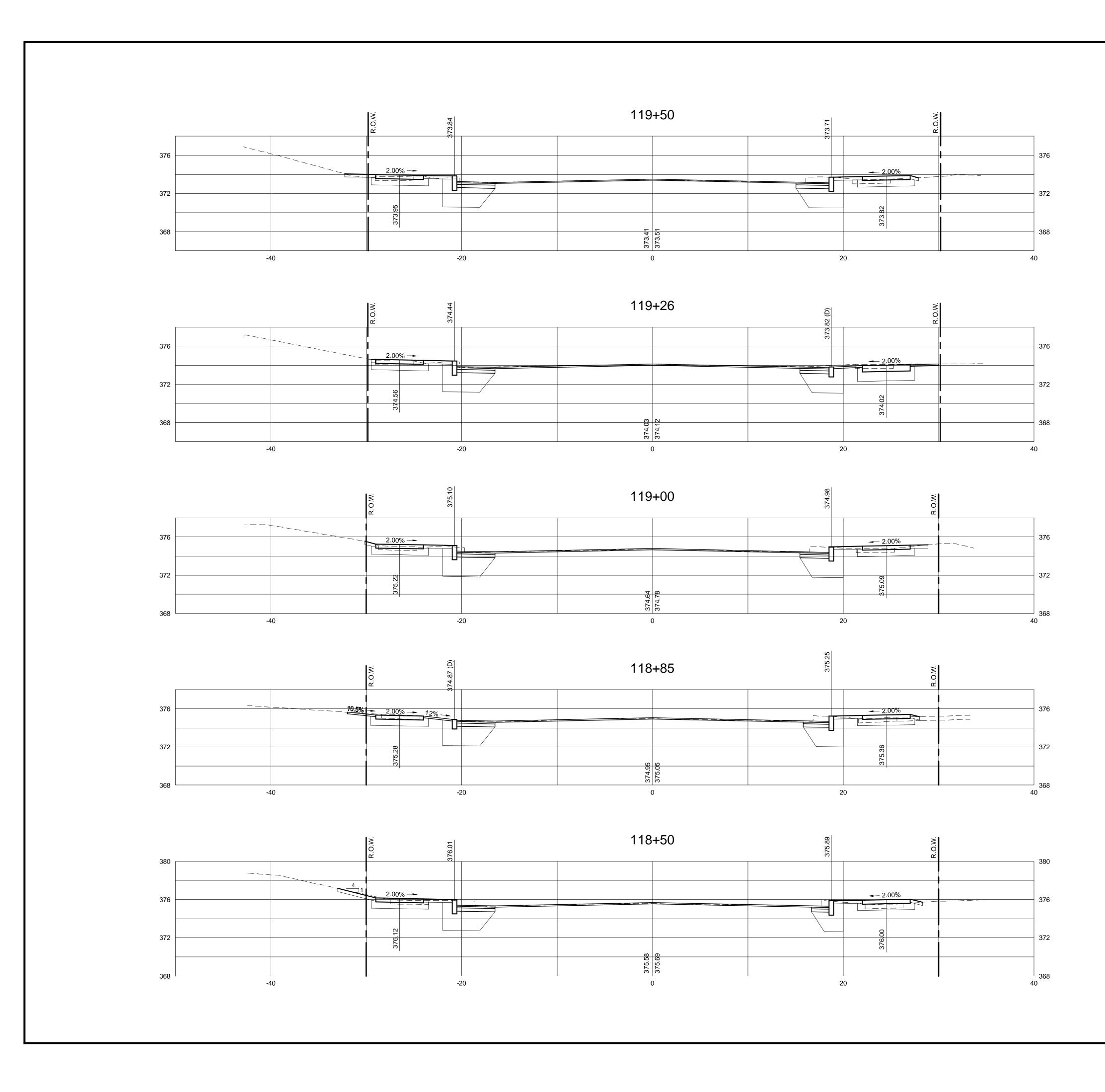


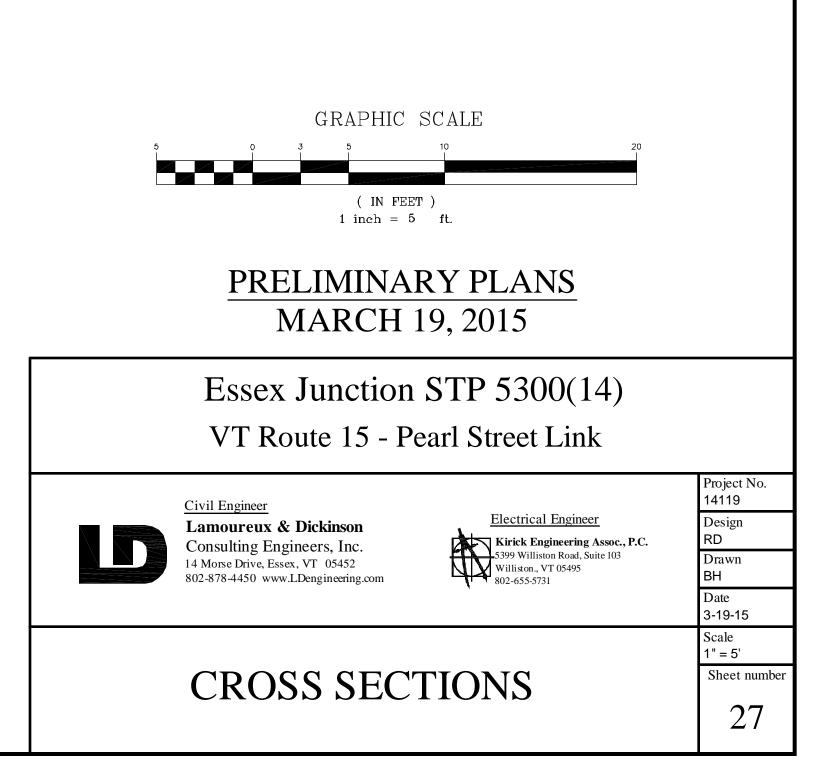


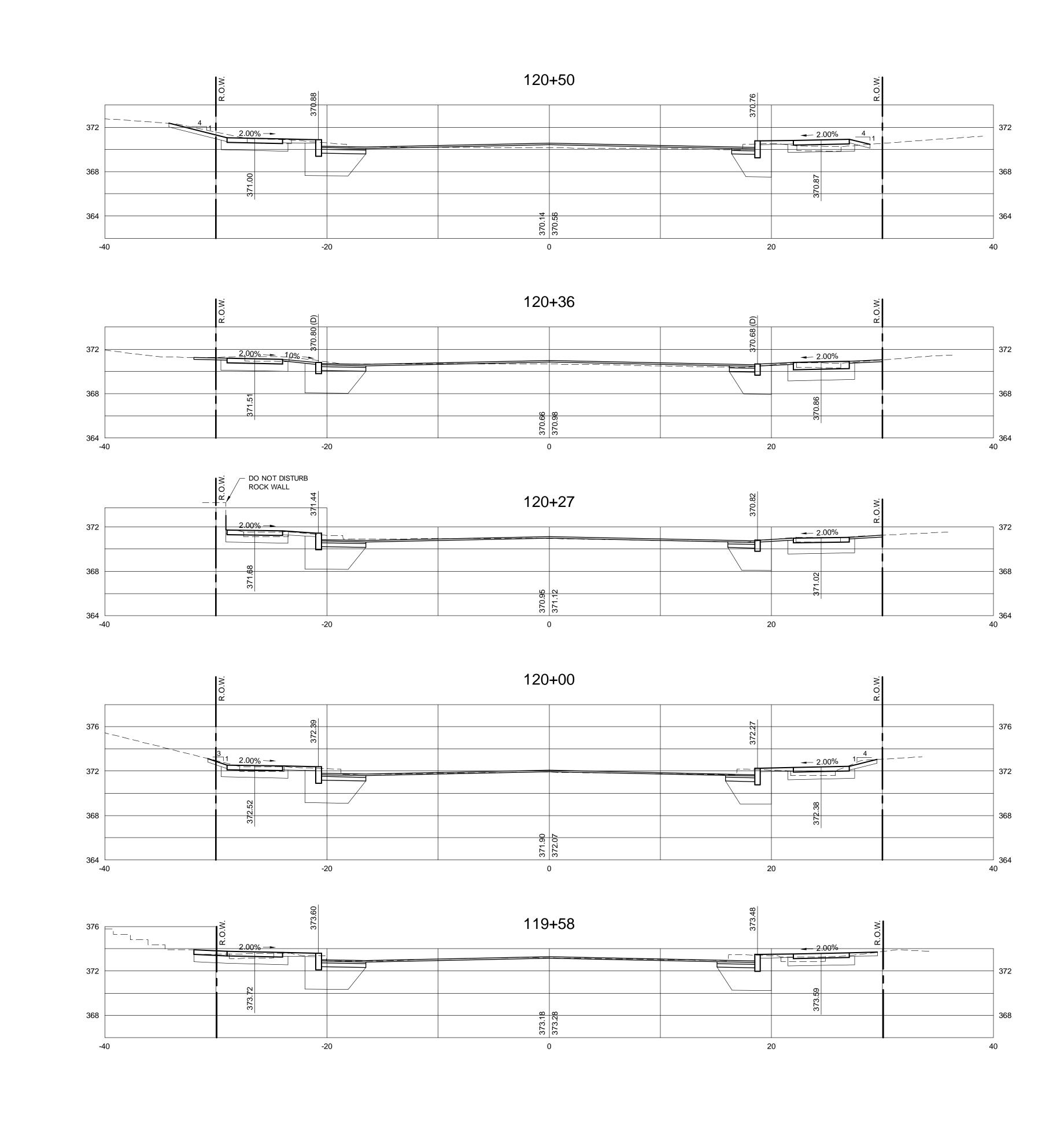




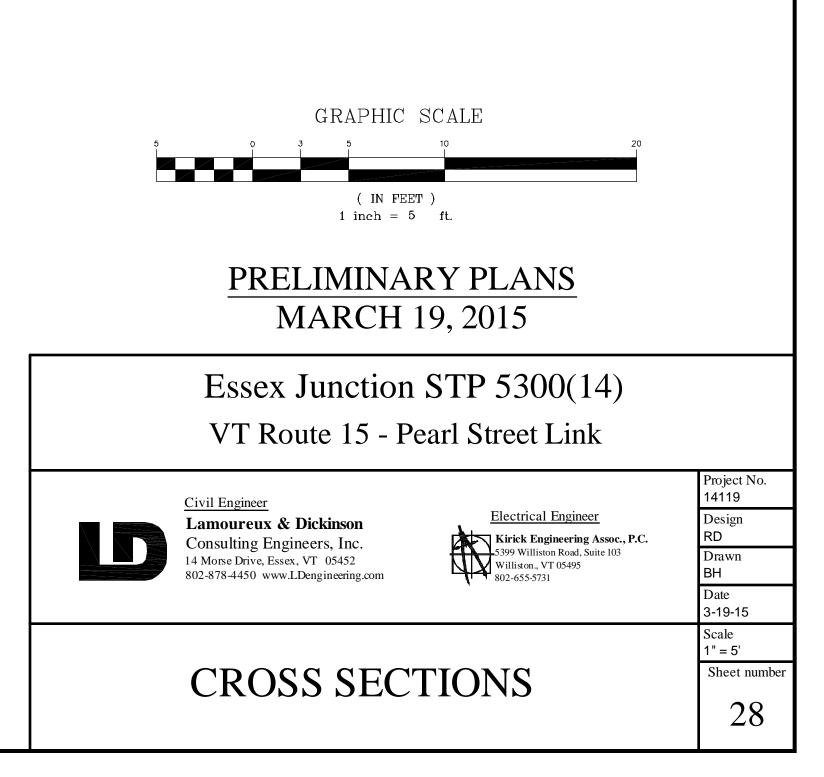


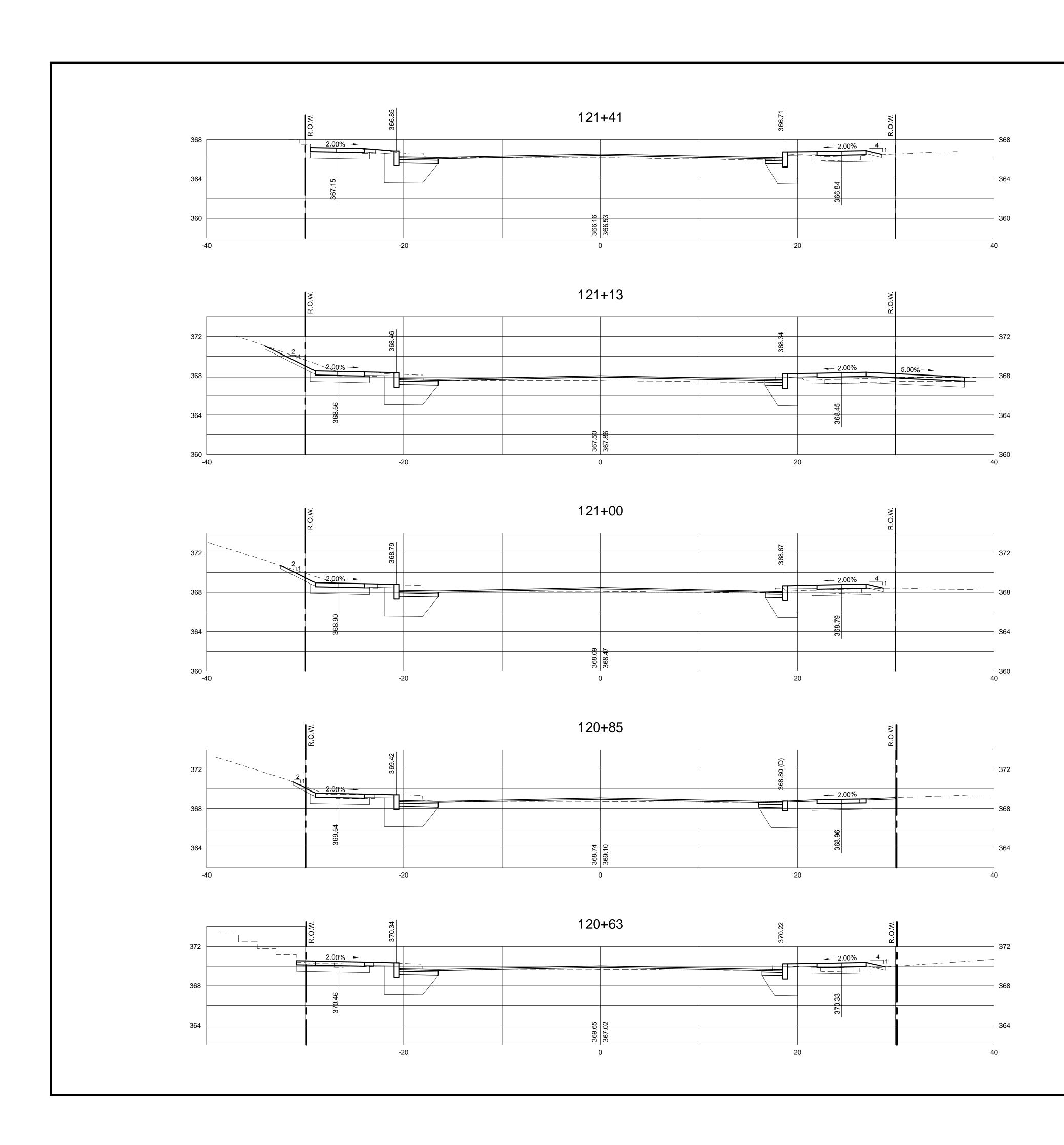


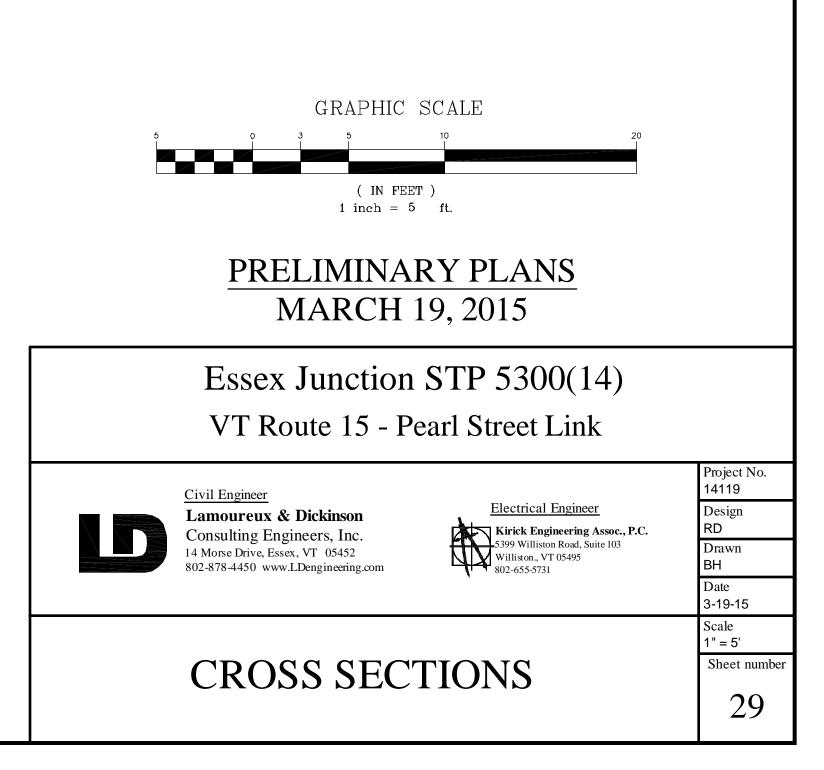


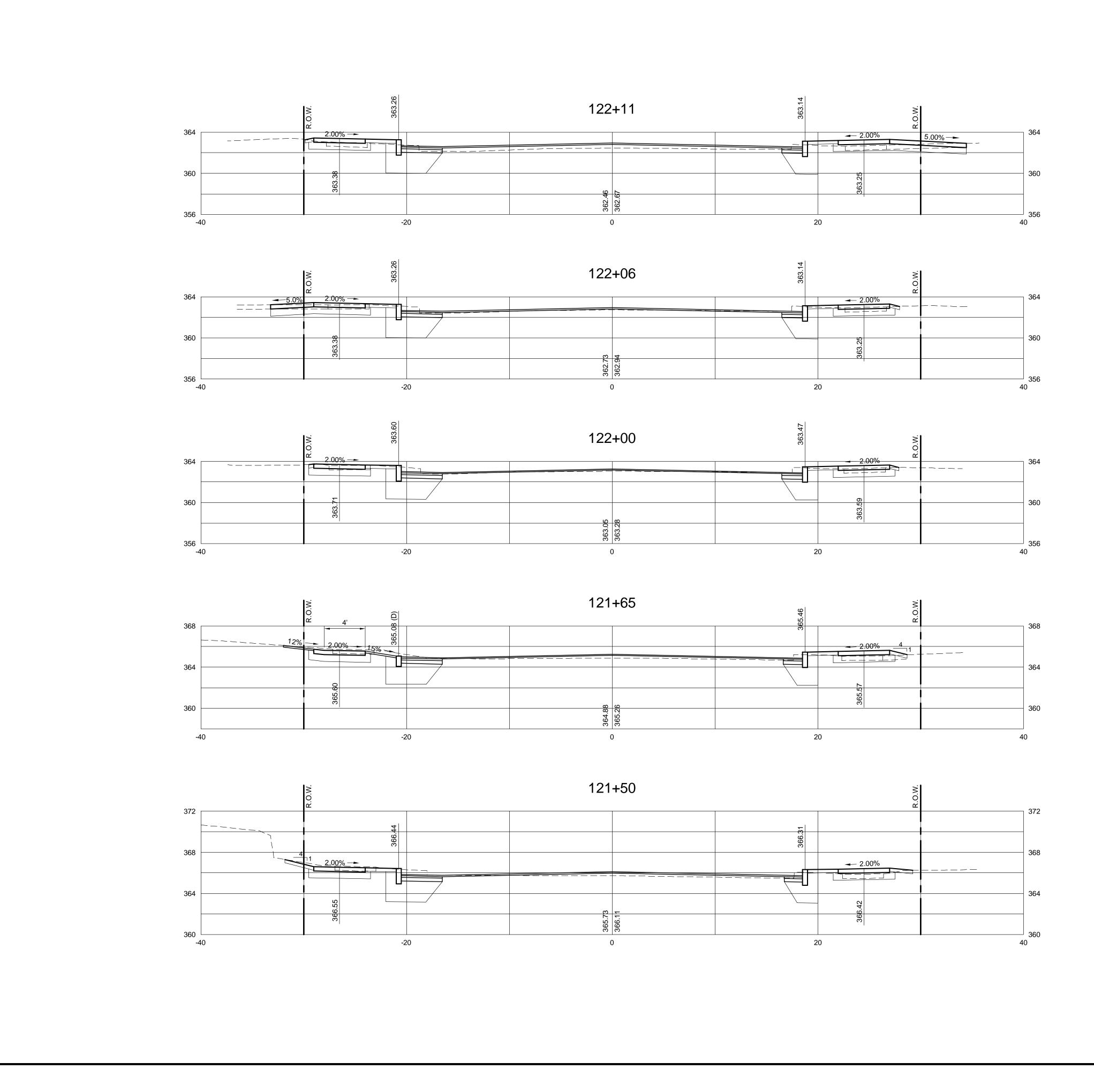


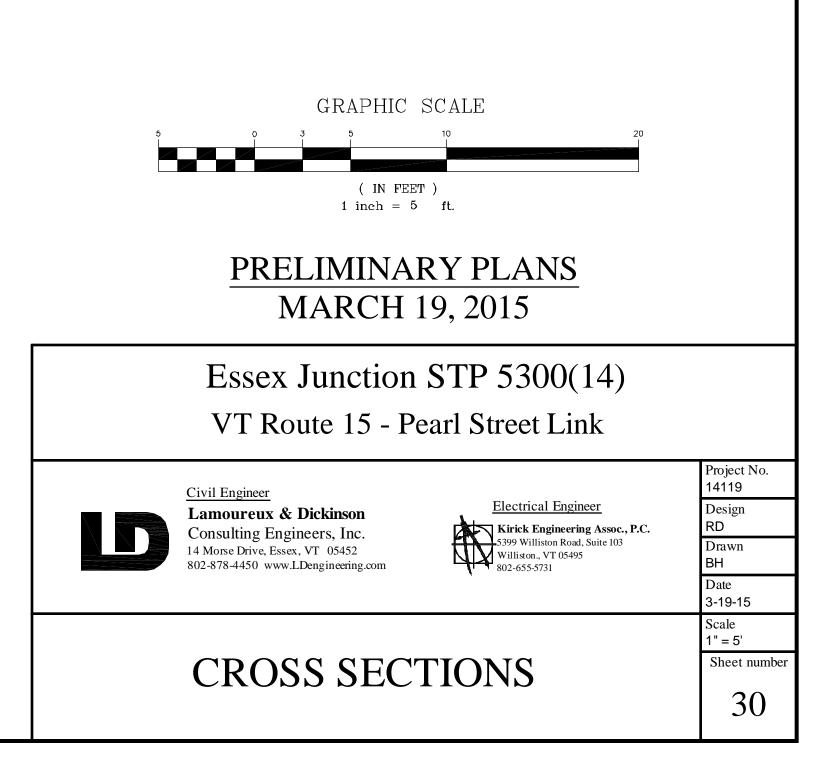
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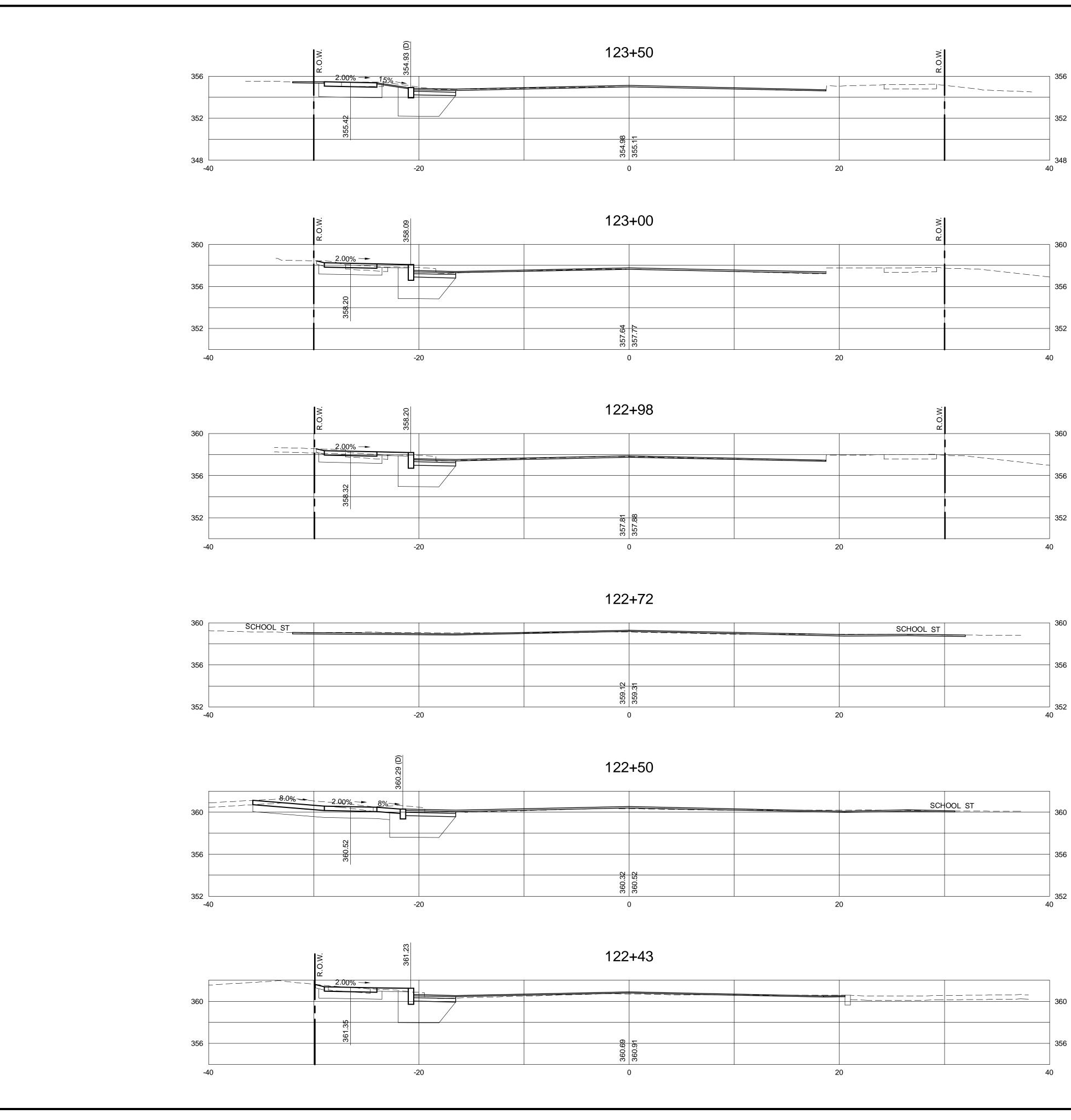








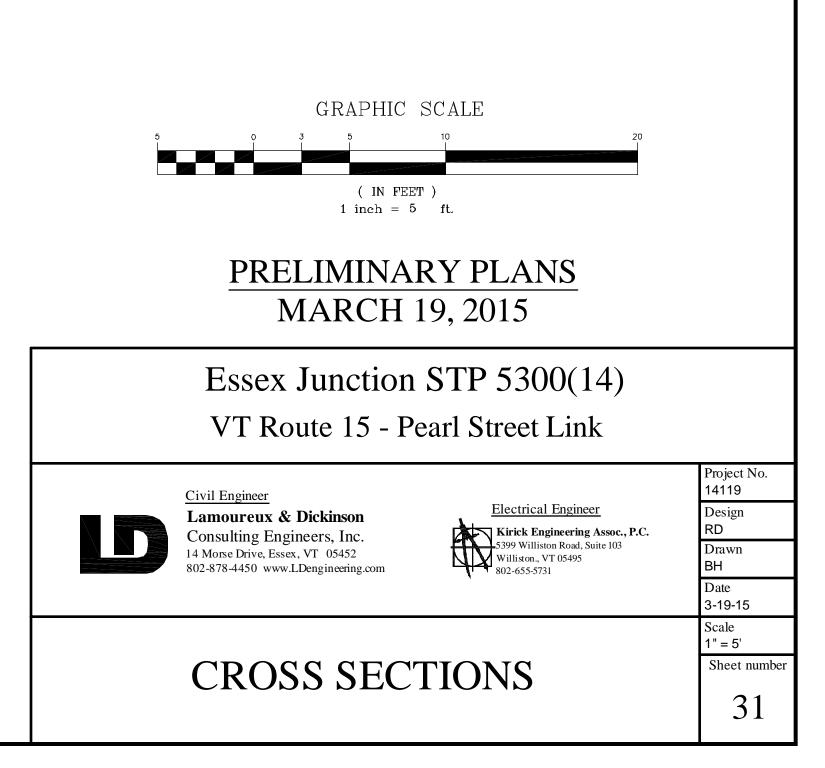


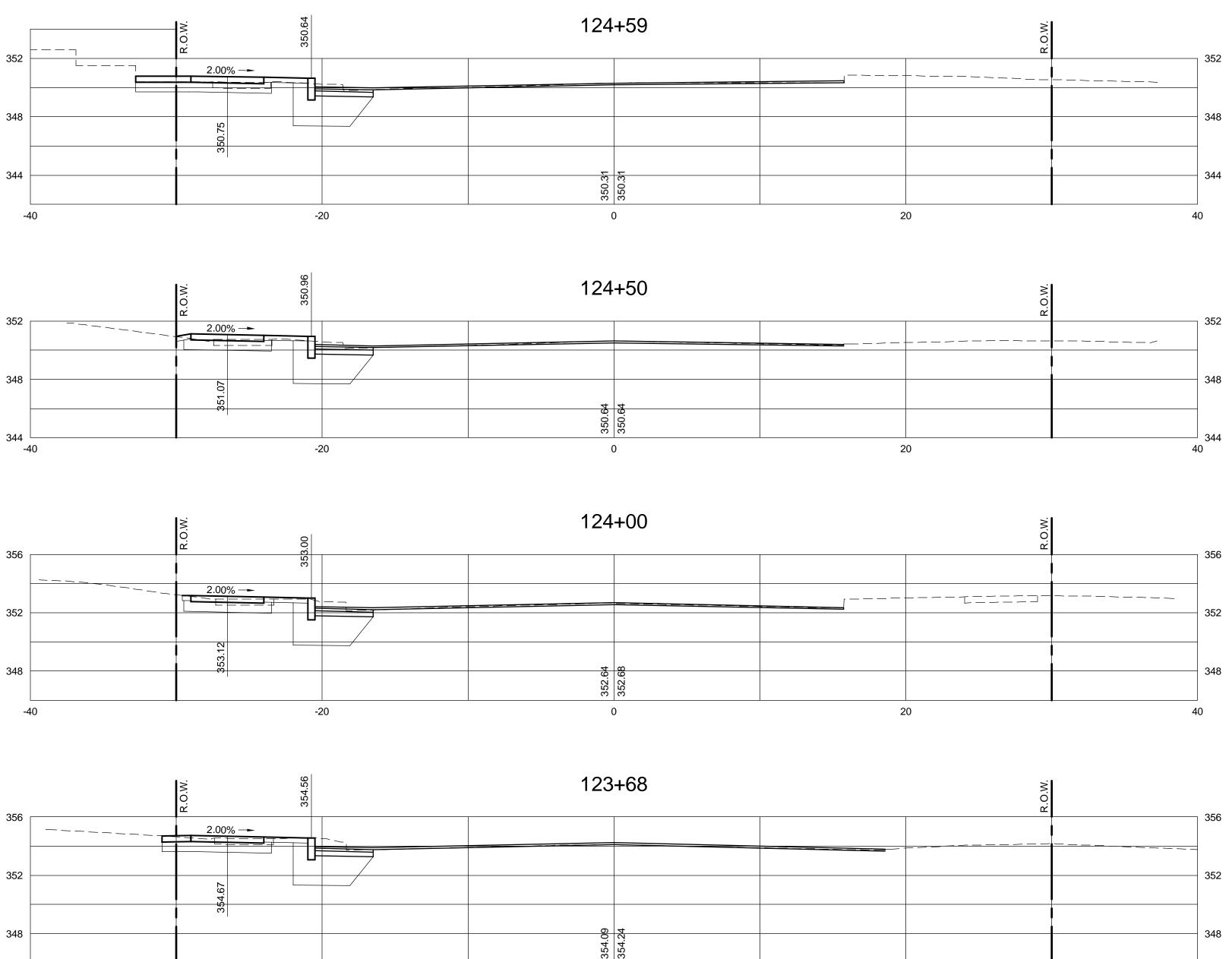


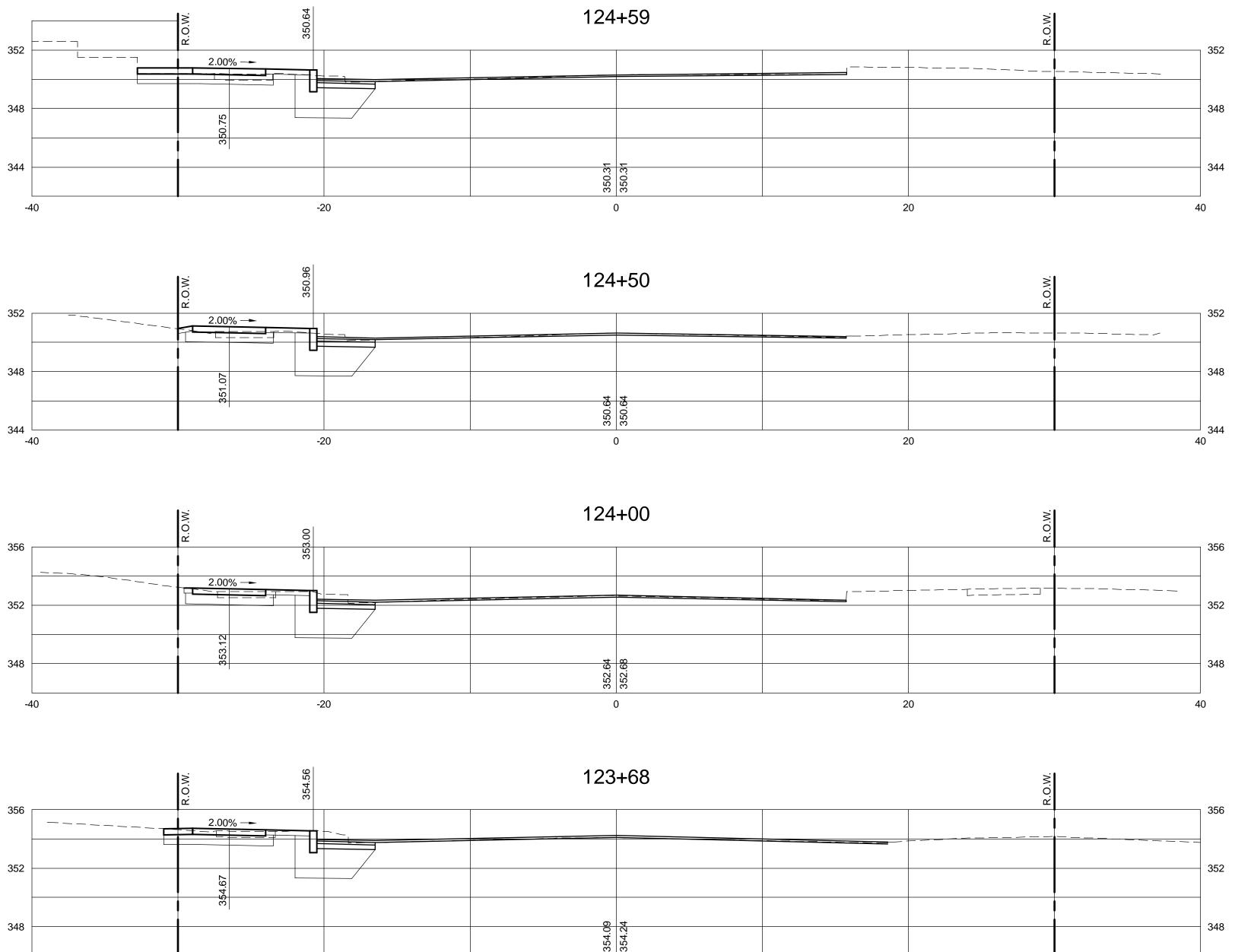
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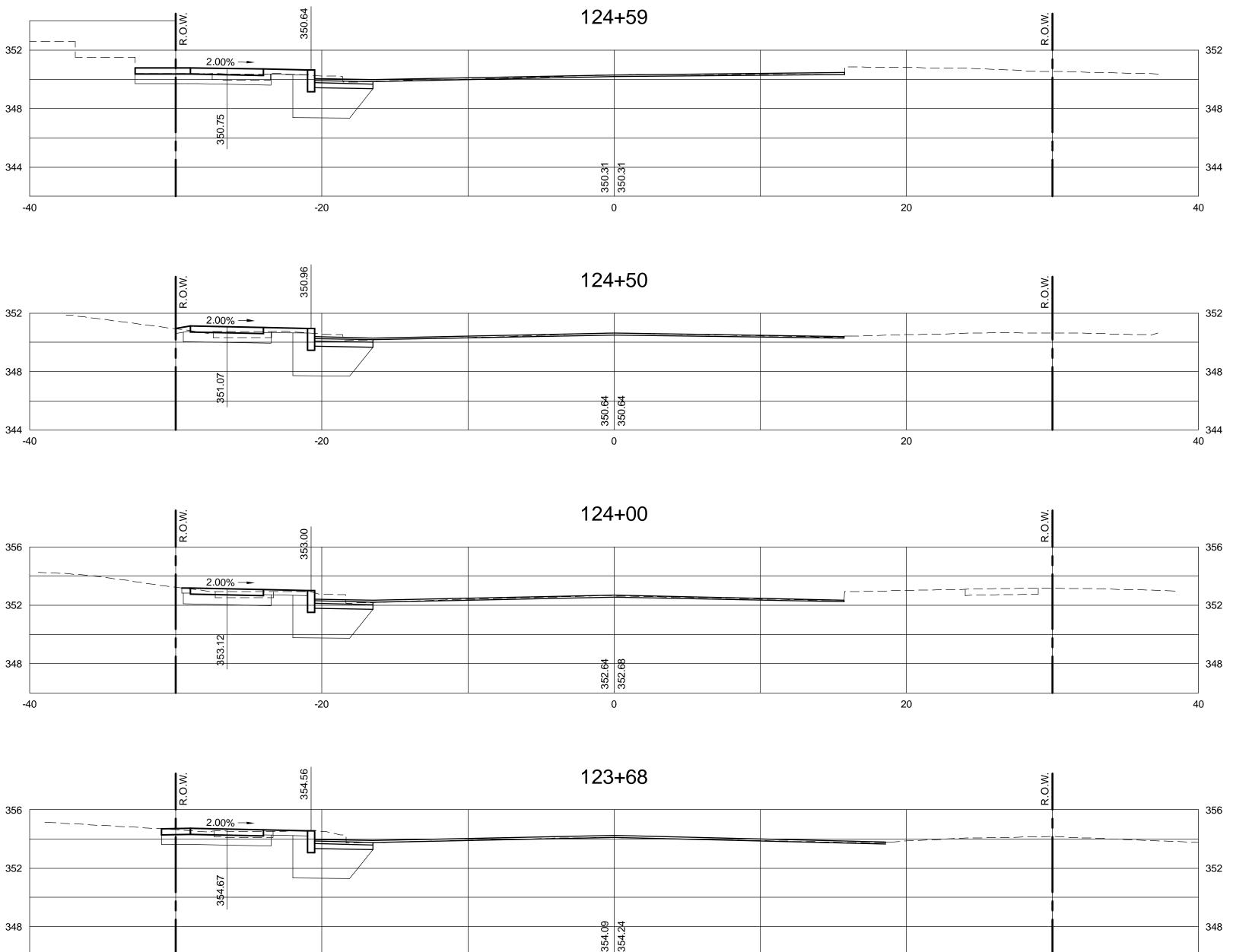
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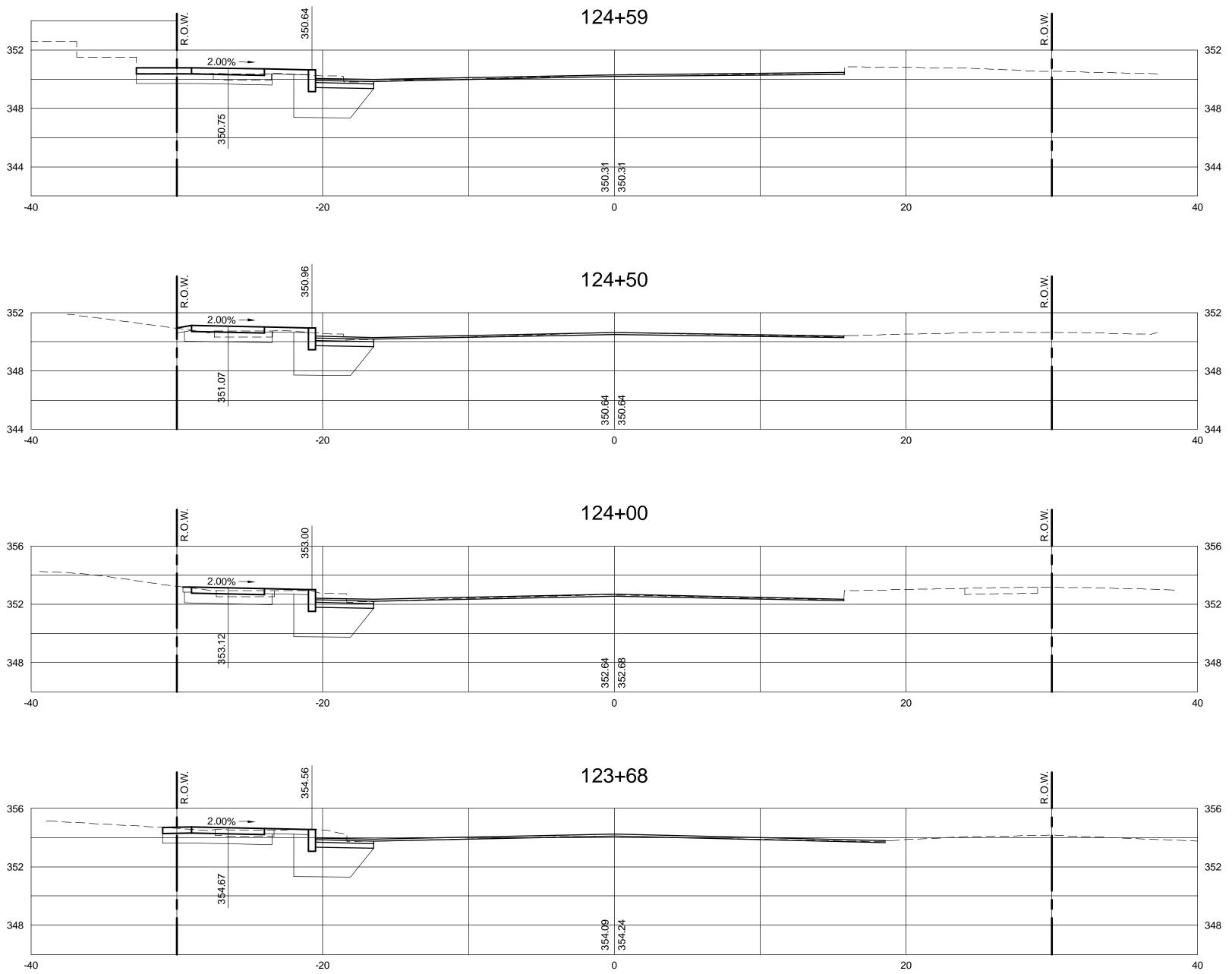
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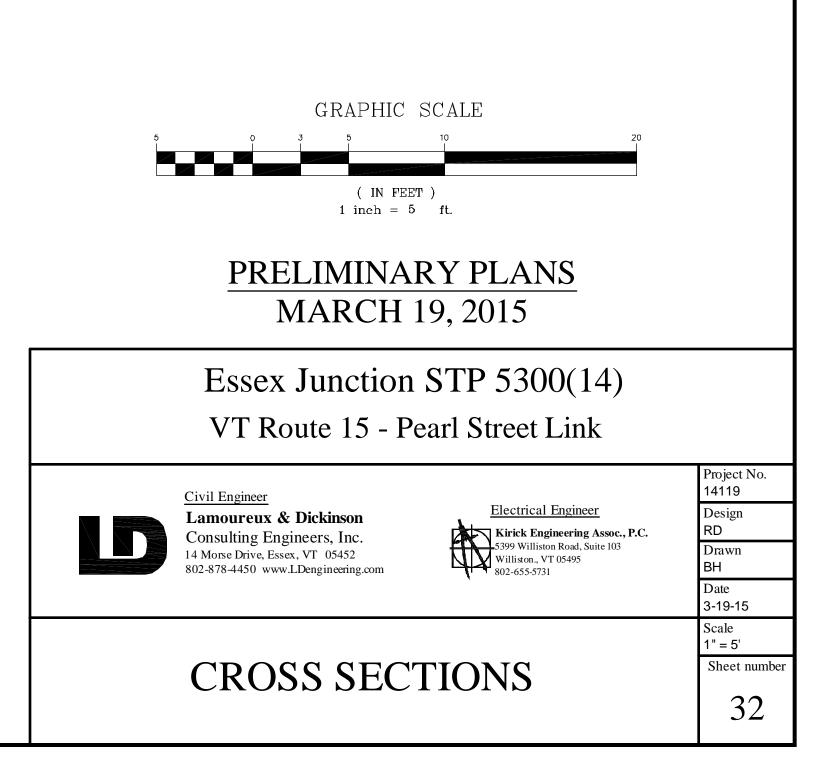


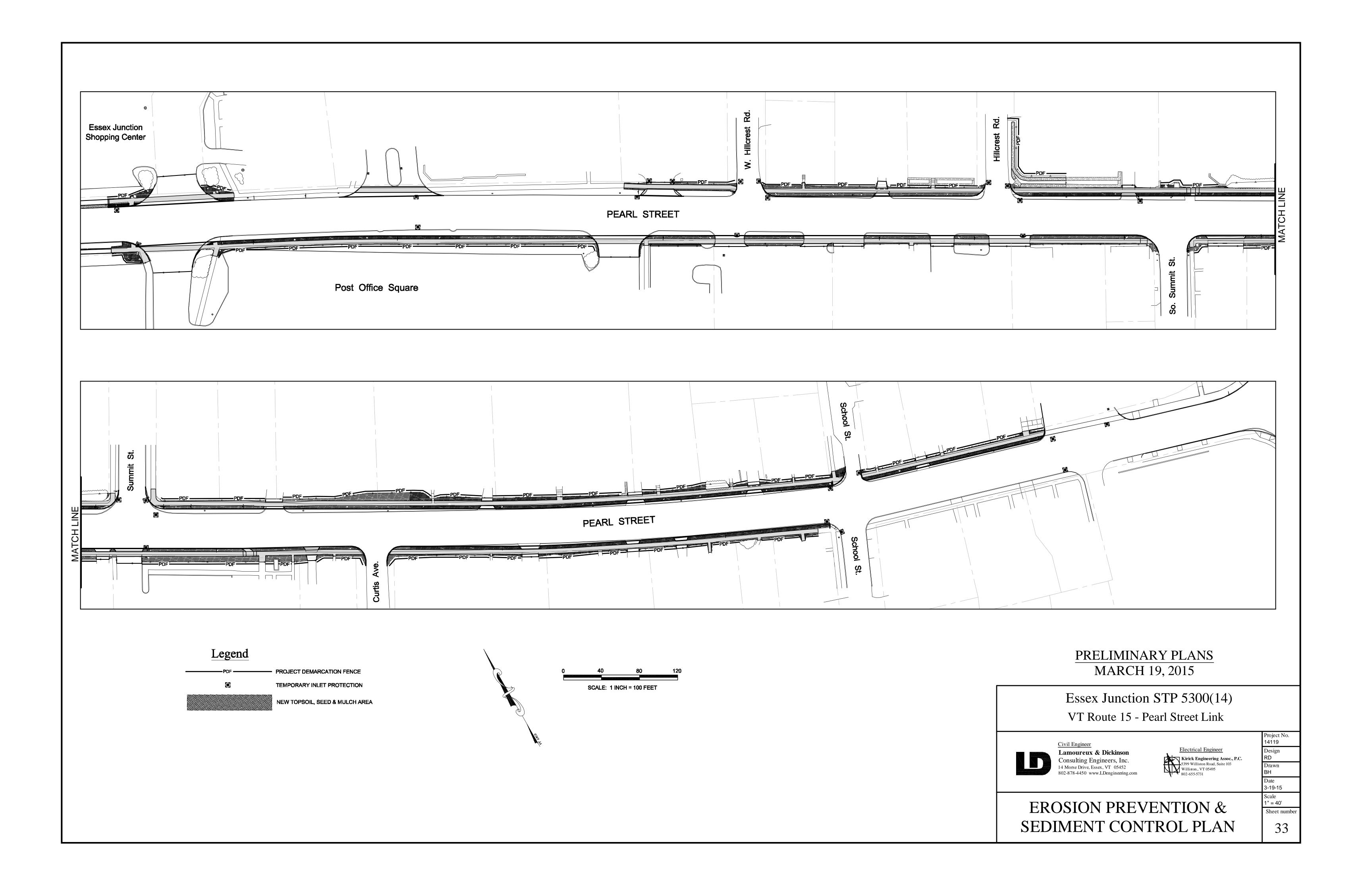




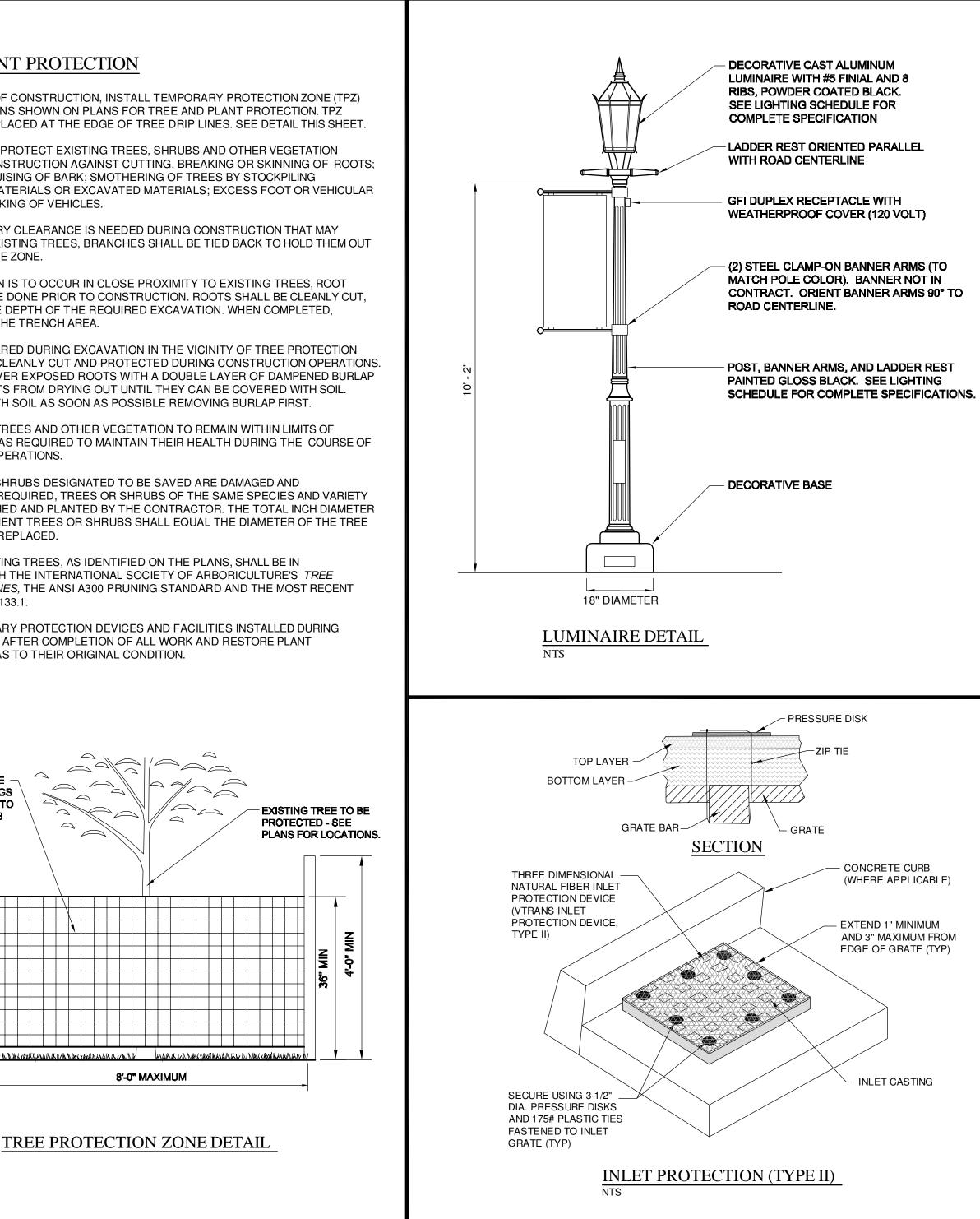


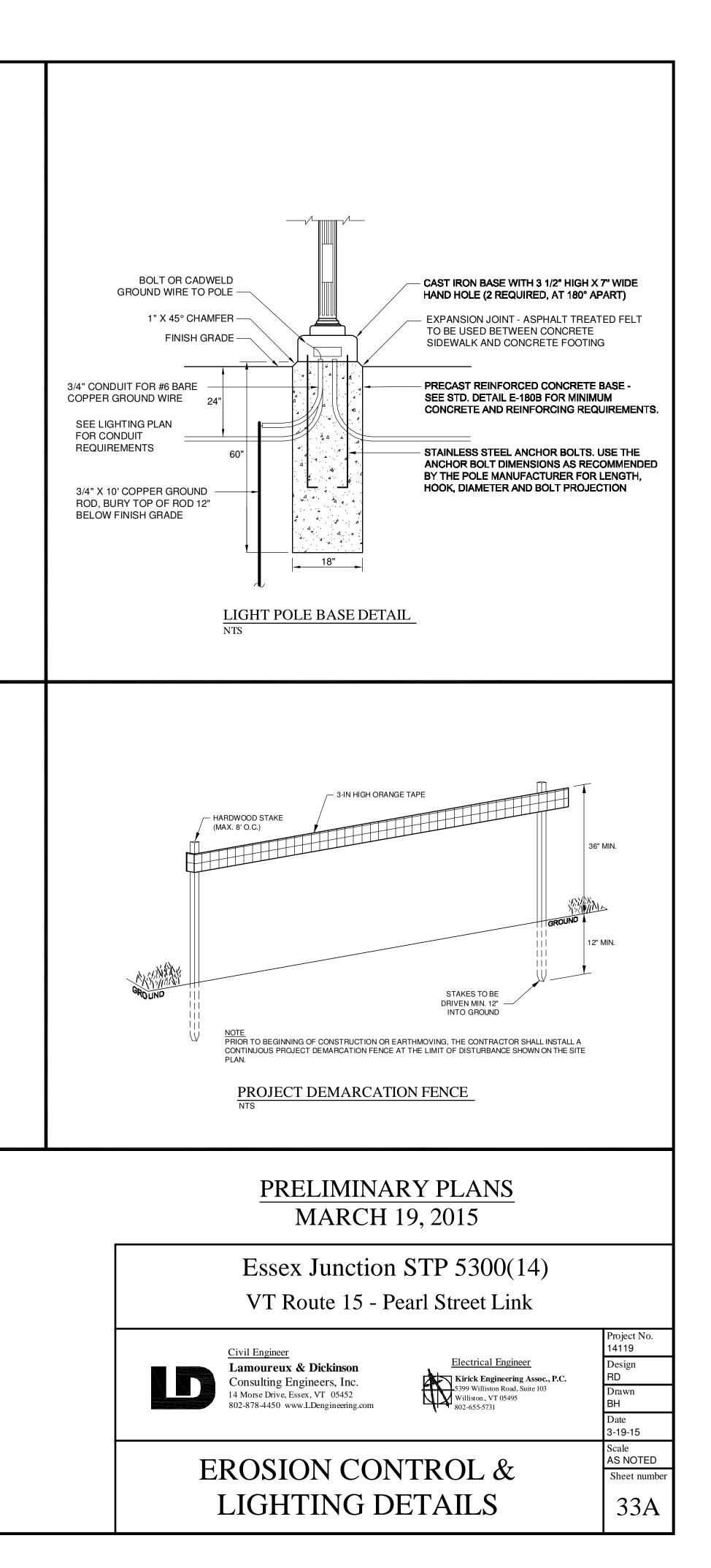


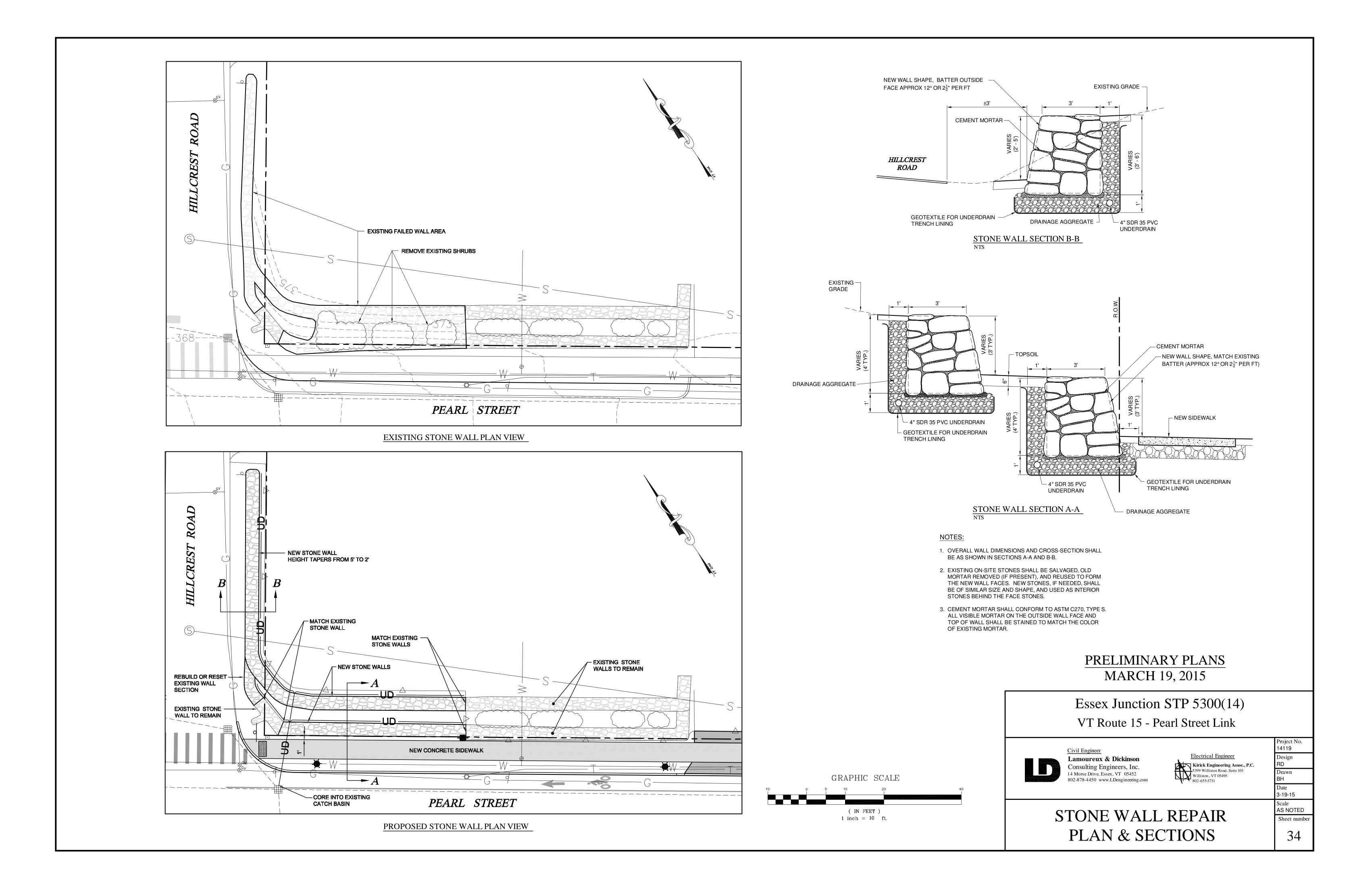




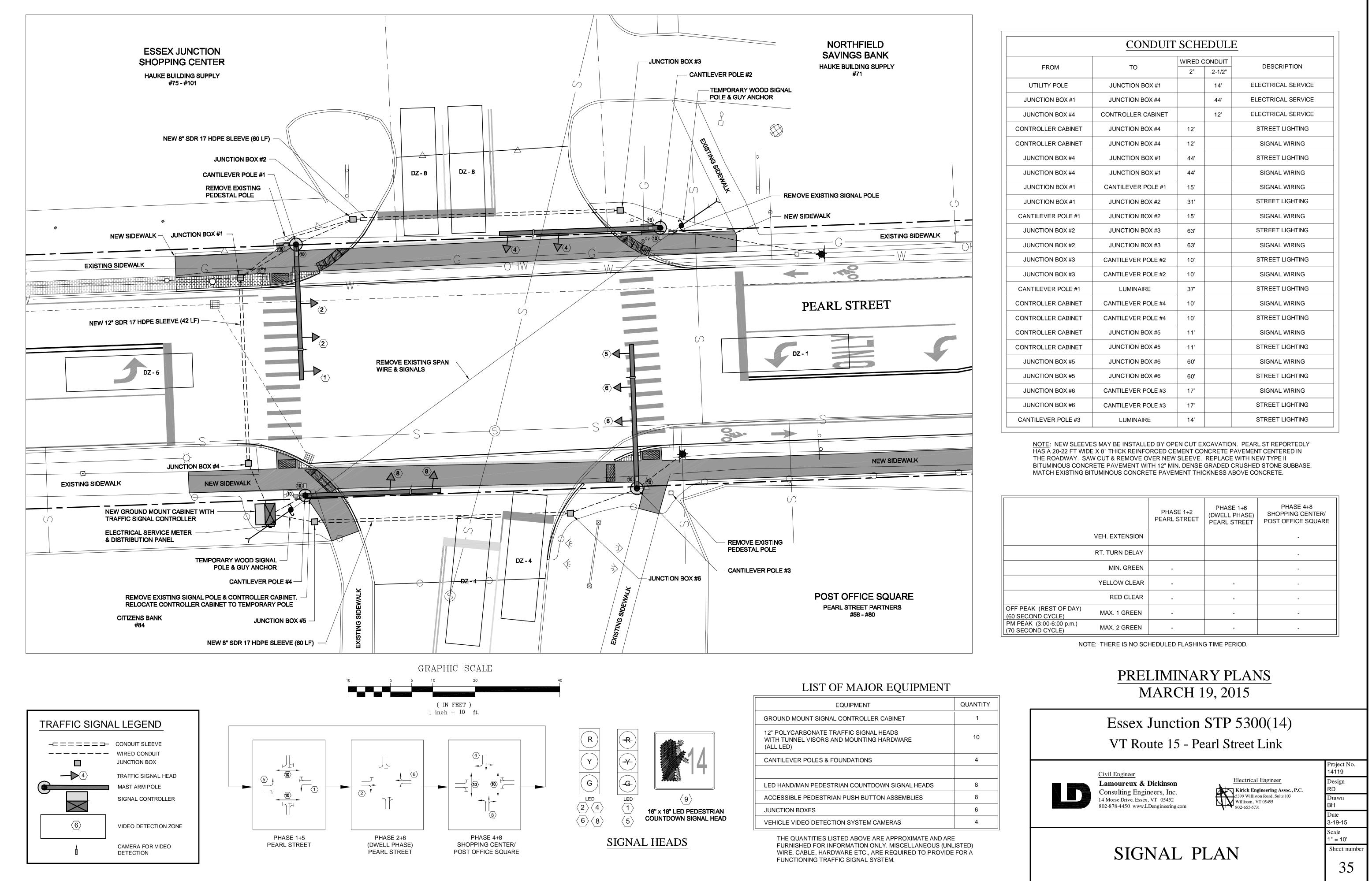
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- FRO IS PA	VALUATION ASSUMPTIONS: M THE BASIC RISK EVALUATIO ARTIALLY LOCATED IN A WATE CHARGES FROM THE CONSTRU	RSHED IMPAIRE	DUE TO STO	DRMWATER AND WILL HAVE	LAND,	3.	SKINNING AND BRUI CONSTRUCTION MA TRAFFIC; AND PARK WHERE TEMPORAR
VEG LOC STA - FRO	ETATED BUFFER AREA. THE F ATION FOR MORE THAN 14 CO BILIZATION. M THE DETAILED RISK EVALUA	PROJECT WILL A NSECUTIVE CAI	LSO NOT HAVI ENDAR DAYS CRITERIA TH	E DISTURBED EARTH IN ANY C WITHOUT TEMPORARY OR FIN AT IS APPLIES IS LETTER B: TH	IAL	3. 4.	CONFLICT WITH EXIS OF THE CLEARANCE WHEN EXCAVATION
STA - FRO	DJECT WILL HAVE STORMWATE TE LISTED AS IMPAIRED BY ST M THE RISK MITIGATION SECTI ANY ONE TIME.	ORMWATER.				F	PRUNING SHALL BE WITH CUTS TO THE REPLACE SOIL IN TH
REVISE RESPO OF A JO CONST DISTUF	D THE CONTRACTOR'S OPERA ED RISK EVALUATION RESULTS INSIBLE FOR ADDITIONAL PERM DINT (WITH THE VILLAGE) NOTI RUCTION GENERAL PERMIT (I. RBANCE. THE CONTRACTOR SI NTION AND SEDIMENT CONTRA	IN A HIGHER R MITTING WITH T CE OF INTENT F E. CGP 9020 (20 HALL BE RESPC	ISK CATEGORY HE AGENCY OF OR COVERAGI 06) OR INDIVID INSIBLE FOR A	(, THE CONTRACTOR SHALL B F NATURAL RESOURCES VIA F E UNDER THE APPROPRIATE UAL PERMIT) PRIOR TO SUCH NY NECESSARY EROSION	E	5. 6.	ROOTS ENCOUNTER ZONES SHALL BE CL TEMPORARILY COVI TO PREVENT ROOTS COVER ROOTS WITH WATER EXISTING TH CONTRACT WORK A
	REMENTS. REA OF DISTURBED SOILS AND	THE DURATION	I OF EXPOSUR	E OF THE DISTURBED SOILS S	HALL	7.	CONSTRUCTION OP
BE MIN STABIL COMPC	IMIZED. TO ACCOMPLISH THIS, IZATION OF ONE WORK ITEM C DNENT.	WORK EFFORT OMPONENT BE	SHOULD BE F FORE PROCEE	OCUSED ON THE COMPLETIO DING TO THE NEXT WORK ITE	N AND M	1.	REPLACEMENT IS RESULT OF THE REPLACEMENT OF THE REPLACEME OF SHRUB TO BE R
INSTAL	ONSTRUCTION OF THE SIDEWA LATION SHALL BE DISTURBED. ON PREVENTION AND SEDIMEN					8.	PRUNING OF EXISTI ACCORDANCE WITH PRUNING GUIDELINI
BE PRO	G CONSTRUCTION, AREAS OF	, OR ADDITIONA	L MEASURES	TAKEN TO CORRECT DEFICIEN	NCIES.	~	EDITION OF ANSI Z1
HOURS	OF FINISH GRADING. THIS SH	ALL INCLUDE CU	JT OR FILL SLC	OPES, AND GRASS AREAS.	11 <b>T</b> U	9.	REMOVE TEMPORAR COURSE OF WORK A PROTECTION AREAS
APPLIE	E EROSION OCCURS FOLLOWIN D IN ACCORDANCE WITH THE	MANUFACTURE	RS RECOMMEN	NDATIONS.			
WITH T	RBED AREAS THAT ARE NOT BE EMPORARY SEED AND MULCH	OR MATTING.			OURS		
	ONTRACTOR SHALL REMOVE A						
0. PAYME INCLUE MEASU	INT FOR THE DISPOSAL OF UN DING TEMPORARY AND PERMAI IRES, SHALL NOT BE PAID SEP (CAVATION. (SEE VTRANS STA	SUITABLE OR EX NENT EROSION ARATELY, BUT S	CESS MATER	IAL AT AN OFF-SITE LOCATION AND SEDIMENT CONTROL SIDIARY TO THE VARIOUS ITEN		MESH W 3 1/2" X	ENSITY POLYETHELENE /ITH NOMINAL OPENING 1 1/2". SECURE MESH T WITH NYLON ZIP TIES-3 ST.
	NT FOR TEMPORARY STABILIZ				'HAUL		
2. WETLA WASTE RESIDE PERMI MOBILI	ND AND ARCHAEOLOGICAL EV DISPOSAL SITES SHALL BE CO ENT ENGINEER FOR REVIEW AN ITING ASSOCIATED WITH THES ZATION / DEMOBILIZATION ITEN DRROW PITS AND WASTE DISPO	ALUATION OF C OMPLETED BY T ND APPROVAL. SE AREAS. PAYI M FOR STAGING	OFF-SITE BORR THE CONTRACT THE CONTRAC MENT SHALL B	OW AREAS, STAGING AREAS, FOR AND SUBMITTED TO THE STOR IS RESPONSIBLE FOR AL E SUBSIDIARY TO THE	L	6' STEEI	- POST -
TUR	F ESTABLISHMENT					EXIŜTIN	G GRADE -
SHALL AFTER PREVE PERMI <sup>-</sup>	STURBED AREAS THAT DO NOT BE STABILIZED WITH SEEDING SEPTEMBER 15 OF EACH YEAF NT EROSION AND SHALL BE IM IS IN THE SPRING. PLACEMEN E APPLICABLE), AND MULCH SH	AND MULCHING R SHALL BE STA MEDIATELY SEE T OF TOPSOIL, A	B PRIOR TO OC BILIZED WITH EDED AND REM AND THE APPL	TOBER 1. ANY WORK PERFOI MULCH OR NETTING SUFFICIE IULCHED AS SOON AS WEATH ICATION OF SEED, FERTILIZER	RMED INT TO ER		
1.		IE WHEN THE G ONDITION DETR SHALL BE RAKE	ROUND OR TO IMENTAL TO TH D. ALL STONES	PSOIL IS FROZEN, EXCESSIVE HE WORK. FOLLOWING PLACE	LY		- -
2.		AREAS INDICAT	ED ON THE PLA OBER 1, WINTE	ES SHOWN ON THIS SHEET AI ANS AT THE SPECIFIED RATE. ER RYE SHALL BE OVERSEED!	FOR		
3.		ND BE APPLIED	ONLY AFTER F	E ASSOCIATION OF OFFICIAL PERFORMING A SOIL TEST AN NLY BE APPLIED AS NEEDED E			
4.	WITHIN 24 HOURS OF APPLIC MULCHED WITH A HAY MULC MINIMUM RATE OF 2 TONS PE	H. MULCH SHAI		-			
5.	TO PREVENT EROSION OF TH	D. VEGETATION HE UNDERLYING E RESPONSIBLE	NGROWTH SHA SOIL UNDER A FOR PROTEC	ALL BE PERMANENT AND SUF ALL CONDITIONS OF PRECIPIT TING AND CARING FOR SEEDE	FICIENT FATION. ED,		
		U		GRASS SEED			
		% BY WEIGHT 37.5	LBS. LIVE SEED PER ACRE 45	TYPE OF SEED	-		
		37.5	45 37.5	KENTUCKY BLUEGRASS	-		
		31.25	37.5	WINTER HARDY, PERENNIAL RYE	_		
		100	120 # LIV	/E SEED PER ACRE			





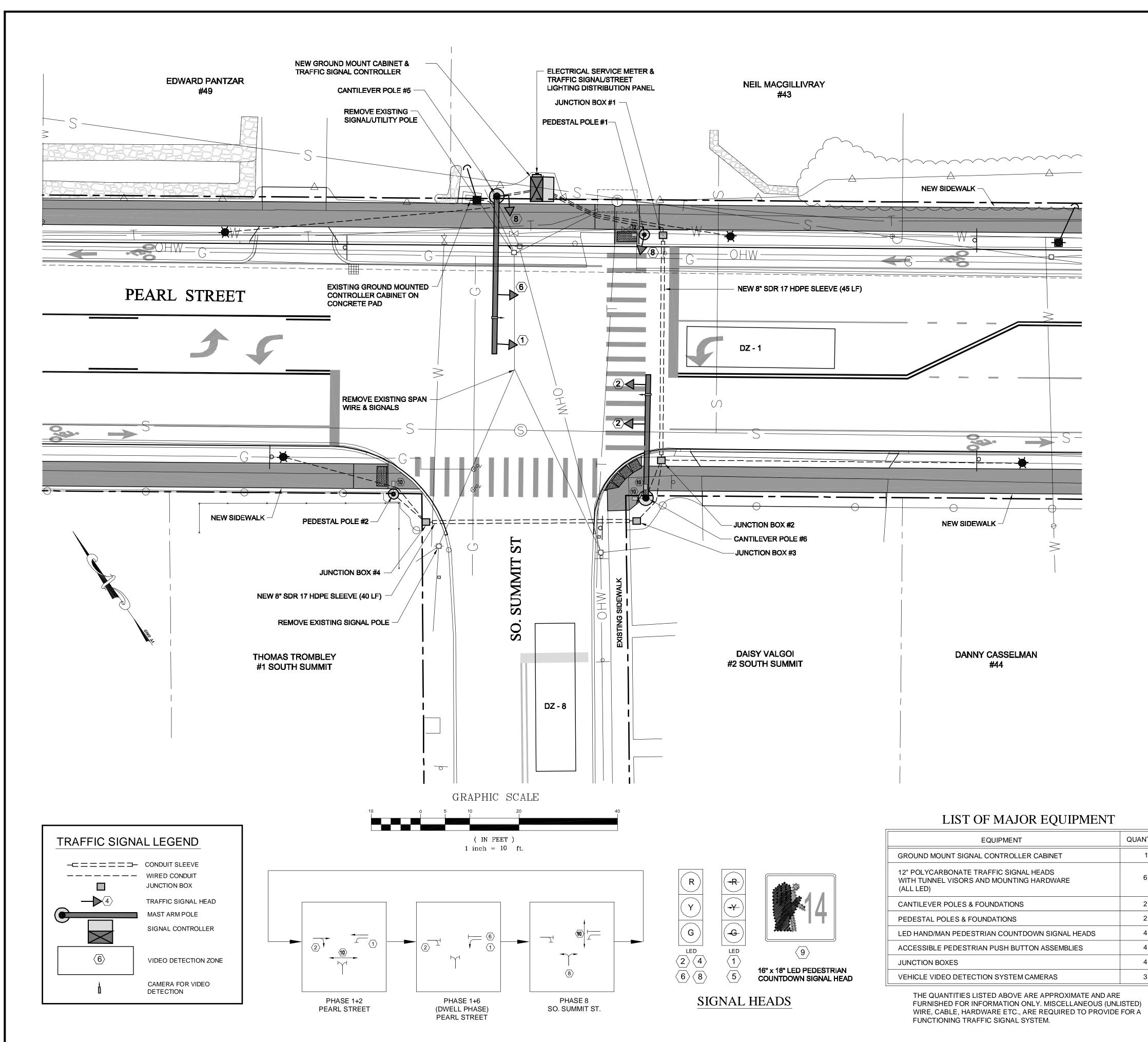


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		WIRED		
FROM	ТО	2"	2-1/2"	DESCRIPTION
UTILITY POLE	JUNCTION BOX #1		14'	ELECTRICAL SERVICE
JUNCTION BOX #1	JUNCTION BOX #4		44'	ELECTRICAL SERVICE
JUNCTION BOX #4	CONTROLLER CABINET		12'	ELECTRICAL SERVICE
CONTROLLER CABINET	JUNCTION BOX #4	12'		STREET LIGHTING
CONTROLLER CABINET	JUNCTION BOX #4	12'		SIGNAL WIRING
JUNCTION BOX #4	JUNCTION BOX #1	44'		STREET LIGHTING
JUNCTION BOX #4	JUNCTION BOX #1	44'		SIGNAL WIRING
JUNCTION BOX #1	CANTILEVER POLE #1	15'		SIGNAL WIRING
JUNCTION BOX #1	JUNCTION BOX #2	31'		STREET LIGHTING
CANTILEVER POLE #1	JUNCTION BOX #2	15'		SIGNAL WIRING
JUNCTION BOX #2	JUNCTION BOX #3	63'		STREET LIGHTING
JUNCTION BOX #2	JUNCTION BOX #3	63'		SIGNAL WIRING
JUNCTION BOX #3	CANTILEVER POLE #2	10'		STREET LIGHTING
JUNCTION BOX #3	CANTILEVER POLE #2	10'		SIGNAL WIRING
CANTILEVER POLE #1	LUMINAIRE	37'		STREET LIGHTING
CONTROLLER CABINET	CANTILEVER POLE #4	10'		SIGNAL WIRING
CONTROLLER CABINET	CANTILEVER POLE #4	10'		STREET LIGHTING
CONTROLLER CABINET	JUNCTION BOX #5	11'		SIGNAL WIRING
CONTROLLER CABINET	JUNCTION BOX #5	11'		STREET LIGHTING
JUNCTION BOX #5	JUNCTION BOX #6	60'		SIGNAL WIRING
JUNCTION BOX #5	JUNCTION BOX #6	60'		STREET LIGHTING
JUNCTION BOX #6	CANTILEVER POLE #3	17'		SIGNAL WIRING
JUNCTION BOX #6	CANTILEVER POLE #3	17'		STREET LIGHTING
CANTILEVER POLE #3	LUMINAIRE	14'		STREET LIGHTING

		PHASE 1+2 PEARL STREET	PHASE 1+6 (DWELL PHASE) PEARL STREET	PHASE 4+8 SHOPPING CENTER/ POST OFFICE SQUARE
	VEH. EXTENSION			-
	RT. TURN DELAY			-
	MIN. GREEN	-		-
	YELLOW CLEAR	-	-	-
	RED CLEAR	-	-	-
OFF PEAK (REST OF DAY) (60 SECOND CYCLE)	MAX. 1 GREEN	-	-	-
PM PEAK (3:00-6:00 p.m.) (70 SECOND CYCLE)	MAX. 2 GREEN	-	-	-



CONDUIT SCHEDULE												
	то	WIRED	ONDUIT	DESCRIPTION								
FROM	ТО	2"	2-1/2"	DESCRIPTION								
UTILITY POLE	CONTROLLER CABINET		12'	ELECTRICAL SERVICE								
CONTROLLER CABINET	CANTILEVER POLE #5	8'		SIGNAL WIRING								
CONTROLLER CABINET	LUMINAIRE	64'		STREET LIGHTING								
CONTROLLER CABINET	PED POLE #1	25'		SIGNAL WIRING								
CONTROLLER CABINET	JUNCTION BOX #1	29'		SIGNAL WIRING								
CONTROLLER CABINET	JUNCTION BOX #1	29'		STREET LIGHTING								
CONTROLLER CABINET	LUMINAIRE	41'		STREET LIGHTING								
JUNCTION BOX #1	JUNCTION BOX #2	46'		STREET LIGHTING								
JUNCTION BOX #1	JUNCTION BOX #2	46'		SIGNAL WIRING								
JUNCTION BOX #2	CANTILEVER POLE #6	8'		SIGNAL WIRING								
JUNCTION BOX #2	LUMINAIRE	73'		STREET LIGHTING								
JUNCTION BOX #2	JUNCTION BOX #3	14'		STREET LIGHTING								
JUNCTION BOX #2	JUNCTION BOX #3	14'		SIGNAL WIRING								
JUNCTION BOX #3	JUNCTION BOX #4	43'		STREET LIGHTING								
JUNCTION BOX #3	JUNCTION BOX #4	43'		SIGNAL WIRING								
JUNCTION BOX #4	PED POLE #2	9'		SIGNAL WIRING								
JUNCTION BOX #4	LUMINAIRE	33'		STREET LIGHTING								

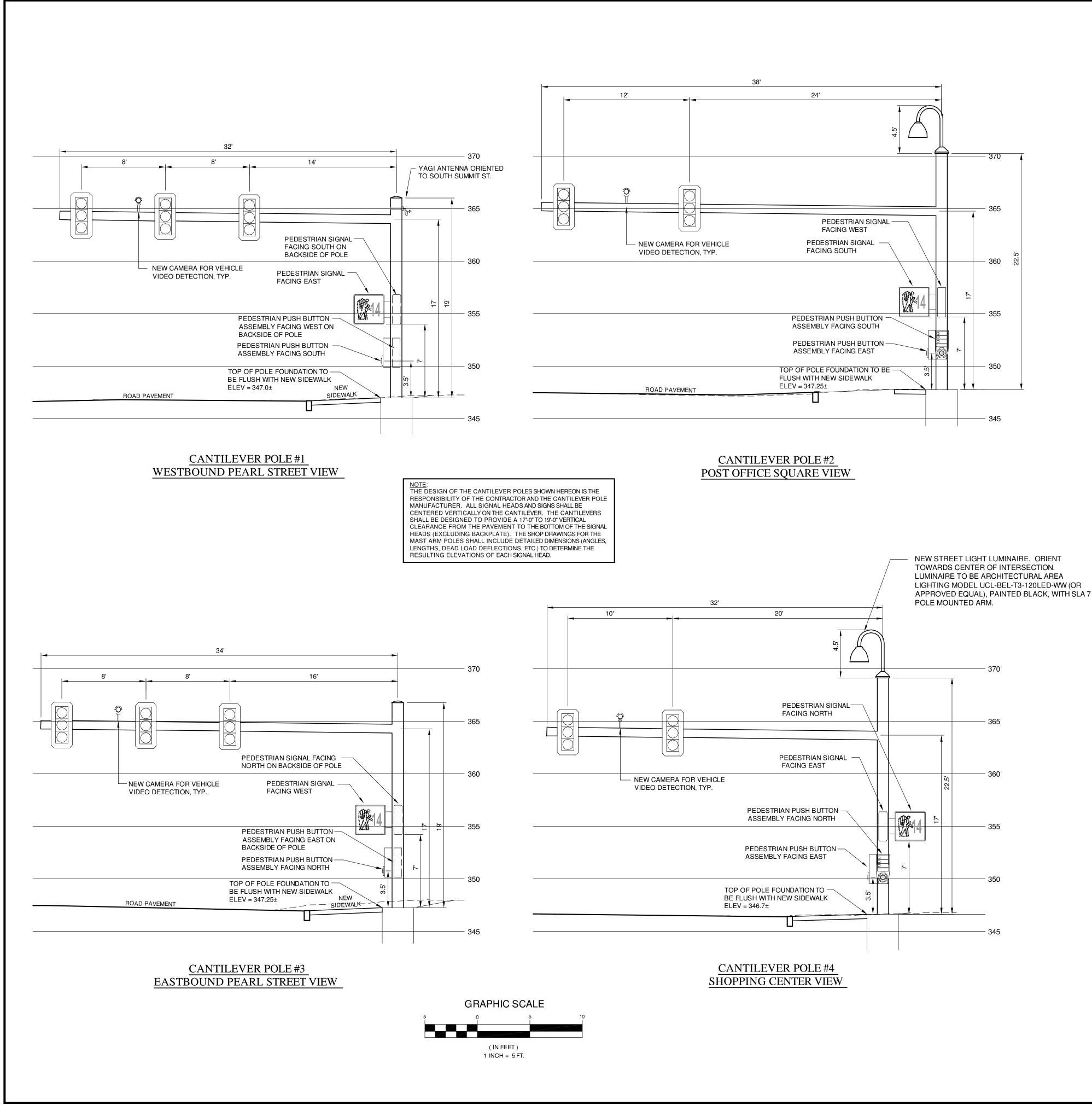
<u>NOTE</u>: NEW SLEEVES MAY BE INSTALLED BY OPEN CUT EXCAVATION. PEARL ST REPORTEDLY HAS A 20-22 FT WIDE X 8" THICK REINFORCED CEMENT CONCRETE PAVEMENT CENTERED IN THE ROADWAY. SAW CUT & REMOVE OVER NEW SLEEVE. REPLACE WITH NEW TYPE II BITUMINOUS CONCRETE PAVEMENT WITH 12" MIN. DENSE GRADED CRUSHED STONE SUBBASE. MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS ABOVE CONCRETE.

<b>F</b>				
		PHASE 1+2 PEARL STREET	PHASE 1+6 (DWELL PHASE) PEARL STREET	PHASE 8 SO. SUMMIT ST.
	VEH. EXTENSION			-
	RT. TURN DELAY			-
	MIN. GREEN	-		-
	YELLOW CLEAR	-	-	-
	RED CLEAR	-	-	-
OFF PEAK (REST OF DAY) (60 SECOND CYCLE)	MAX. 1 GREEN	-	-	-
PM PEAK (3:00-6:00 p.m.) (70 SECOND CYCLE)	MAX. 2 GREEN	-	-	-

NOTE: THERE IS NO SCHEDULED FLASHING TIME PERIOD.

## PRELIMINARY PLANS MARCH 19, 2015

ANTITY		
1	Essex Junction STP 5300(14)	
6	VT Route 15 - Pearl Street Link	
2		Project No. 14119
2 4	Lamouroux & Dickinson Electrical Engineer	Design RD
4	Consulting Engineers, Inc.   5399 Williston Road, Suite 103     14 Morse Drive, Essex, VT 05452   Williston VT 05495	Drawn BH
3		Date 3-19-15
		Scale 1" = 10'
)) A	SIGNAL PLAN	Sheet number 36



## GENERAL SPECIFICATIONS

- TO ANY EXCAVATION.
- CONSTRUCTION.
- DIRECTED BY THE OWNER.

## **PROJECT SCHEDULING & COORDINATION**

- INSPECTION.
- WORKS DEPT.
- DEPT.

1.01 ALL WORK SHALL BE IN ACCORDANCE WITH VILLAGE OF ESSEX JUNCTION'S PUBLIC WORKS STANDARDS AND REQUIREMENTS, THE 2011 VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND THESE PLANS.

1.02 THE CONTRACTOR SHALL CONTACT ALL UTILITIES BEFORE EXCAVATION TO VERIFY THE LOCATION OF ANY UNDERGROUND LINES. THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 511 PRIOR

1.03 CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN HEREON.

1.04 ANY SURFACES, LINES OR STRUCTURES WHICH HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THE CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF

1.05 CONSTRUCTION OBSERVATION AND CERTIFICATION IS OFTEN REQUIRED BY STATE AND LOCAL PERMITS. IT IS RECOMMENDED THAT CONSTRUCTION OF THE IMPROVEMENTS DETAILED ON THIS PLANS BE OBSERVED BY LAMOUREUX & DICKINSON CONSULTING ENGINEERS, INC. (L&D) TO DETERMINE IF THE WORK IS BEING PERFORMED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. L&D WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS THAT MAY ARISE FROM FAILURE TO FOLLOW THESE PLANS AND SPECIFICATIONS AND THE DESIGN INTENT THAT THEY CONVEY, ANY CHANGES MADE IN THE PLANS AND SPECIFICATIONS OR IN THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS WITHOUT L&D'S PRIOR KNOWLEDGE AND CONSENT, AND/OR FAILURE TO SCHEDULE OBSERVATION OF THE WORK AND TESTING IN PROGRESS.

1.06 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF EXISTING SIGNAL EQUIPMENT STRUCTURES, VEGETATION AND PAVEMENT NECESSARY TO CONSTRUCT THE PROPOSED TRAFFIC SIGNAL MODIFICATIONS. UNLESS OTHERWISE NOTED ON THE PLANS, ALL SALVAGED AND UNUSED TRAFFIC SIGNAL EQUIPMENT SHALL BE RETURNED TO THE VILLAGE OF ESSEX JUNCTION PUBLIC WORKS DEPT. THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL, DEBRIS AND TRASH FROM THE SITE UPON COMPLETION OF CONSTRUCTION, UNLESS OTHERWISE

2.01 TO ENSURE COMPLIANCE WITH THE PLAN(S), THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS DEPT. AND ENGINEER 24 HOURS IN ADVANCE OF STARTING ANY WORK, CUTTING THE PAVEMENT, BEGINNING THE INSTALLATION OF ANY SIGNAL EQUIPMENT, SIGNAL OPERATION MODIFICATIONS AND FINAL

2.02 THE WORK PERFORMED AS PART OF THE PROPOSED TRAFFIC SIGNAL MODIFICATIONS SHALL BE CLOSELY COORDINATED AND PRE-SCHEDULED WITH THE VILLAGE OF ESSEX JUNCTION PUBLIC

2.03 EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION AT ALL TIMES UNTIL THE NEW TRAFFIC SIGNALS ARE MADE OPERATIONAL. ALL EXISTING SIGNAL EQUIPMENT SHALL BE SALVAGED AND RETURNED TO THE VILLAGE OF ESSEX JUNCTION PUBLIC WORKS

## SIGNAL EQUIPMENT SPECIFICATIONS

- 3.01 ALL NEW EQUIPMENT SHALL MEET OR EXCEED THE 2011 VTRANS STANDARD SPECIFICATIONS 678 & 752, NEMA STANDARDS AND IMSA OR ITE SPECIFICATIONS, WHERE APPLICABLE. INSTALLATION OF SIGNAL EQUIPMENT SHALL BE AS DETAILED ON THESE PLANS.
- 3.02 THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND ENGINEER, FOR APPROVAL, SHOP DRAWINGS FOR EACH NEW TRAFFIC SIGNAL EQUIPMENT ITEM. SHOP DRAWING SUBMITTALS SHALL CONFORM TO VTRANS STD. SPECS.
- 3.03 ALL NEW PEDESTAL POLES AND SIGNAL EQUIPMENT SHALL BE PAINTED FLAT BLACK WITH A POWDER COATING PROCESS.
- 3.04 PEDESTRIAN SIGNAL HEADS SHALL BE SIDE MOUNTED DIRECTLY TO METAL PEDESTAL POLES WITHOUT ANY EXPOSED CONDUIT OR EXTERNAL PIPE BRACKETS. ALL NEW PEDESTRIAN SIGNAL HEADS AND MOUNTING HARDWARE SHALL BE SUPPLIED WITH BLACK POWDER COATING.
- 3.05 NEW PEDESTRIAN PUSH-BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN ASSEMBLIES AS DEFINED IN THE MUTCD. PEDESTRIAN INSTRUCTION SIGNS SHALL BE INCLUDED AT ALL PEDESTRIAN PUSH BUTTON LOCATIONS. PEDESTRIAN PUSH BUTTONS SHALL BE RAISED FROM THEIR HOUSINGS AND SHALL BE A MINIMUM OF 2" DIA. THE FORCE REQUIRED TO ACTIVATE THE PUSH BUTTON SHALL BE NO GREATER THAN 5 lbf. THE TACTILE ARROW ON THE PUSH BUTTON SHALL POINT TO THE CROSSING. EACH PEDESTRIAN PUSH BUTTON SHALL BE PROVIDED WITH AN INTEGRAL CAST ALUMINUM HOUSING/SIGN MOUNTING PLATE AND 9" x 12" INSTRUCTION SIGN AS SHOWN.
- 3.06 MINIMUM CONDUIT SIZES SHALL BE  $2\frac{1}{2}$ " Ø FOR POWER SERVICES AND 2" Ø FOR ALL OTHER (INCLUDING SIGNAL WIRING, STREET LIGHTING, LOOP LEAD-INS, INTERCONNECT, ETC.). NEW TRAFFIC SIGNAL WIRING SHALL USE JACKETED SIGNAL CABLE HAVING THE REQUIRED NUMBER OF 14 AWG (MIN.) CONDUCTORS MEETING THE LATEST REQUIREMENTS OF THE INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION (IMSA) SPEC. 19-1 OR 20-1.
- 3.07 FINAL ACCEPTANCE OF THIS PROJECT BY THE OWNER WILL BE SUBJECT TO A 30-DAY TEST PERIOD, DURING WHICH ALL ADJUSTMENTS SHALL BE MADE AND EQUIPMENT PROBLEMS CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. IF PROBLEMS ARISE DURING THE 30-DAY TEST PERIOD, THE ACCEPTANCE DATE MAY BE EXTENDED. UPON COMPLETION OF THE 30-DAY TEST PERIOD, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER AND THE OWNER UPDATED SIGNAL TIMING PROGRAMMING SHEETS SHOWING ALL MODIFIED SETTINGS, IF ANY.

3.08 VEHICLE VIDEO DETECTION SYSTEM:

- THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW VEHICLE VIDEO DETECTION SYSTEM (VVDS). THE VVDS SHALL INCLUDE: A. ALL MOUNTING HARDWARE (VIDEO DETECTOR CAMERA MOUNTING BRACKET OR VIDEO DETECTOR CAMERA POLE MOUNT EXTENSION
- BRACKET). B. COMMUNICATIONS INTERFACE PANEL, DETECTOR PORT MASTER, VIDEO DETECTOR CABLE (2 SHIELDED TWISTED PAIR 22 AWG (MIN.) CABLE, 5-WIRES TOTAL), PLUS ALL ASSOCIATED EQUIPMENT AND MISCELLANEOUS FITTINGS (INCL. CABINET WIRING). CAMERAS SHALL BE CONNECTED TO THE INTERFACE CARD USING STAR TOPOLOGY EXCEPT THAT MULTIPLE CAMERAS ON ONE POLE MAY CONNECTED USING COMBINED STAR-BUS TOPOLOGY.
- C. ALL LABOR, MATERIAL, EQUIPMENT AND SIGNAL CONTROLLER PROGRAMMING REQUIRED TO COMPLETE THE INSTALLATION AND MAKE THE VVDS FULLY OPERATIONAL.
- D. VIDEO CAMERAS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS TO ACHIEVE THE DETECTION ZONES AS SHOWN ON THE SIGNAL LAYOUT PLAN

ALL VVDS COMPONENTS SHALL BE CURRENT PRODUCTION EQUIPMENT FURNISHED BY THE SAME MANUFACTURER (FOR SYSTEM OPERATION COMPATIBILITY PURPOSES).

## PRELIMINARY PLANS MARCH 19, 2015

# Essex Junction STP 5300(14)

## VT Route 15 - Pearl Street Link

Civil Engineer

Lamoureux & Dickinson Consulting Engineers, Inc. 4 Morse Drive, Essex, VT 05452 302-878-4450 www.LDengineering.com

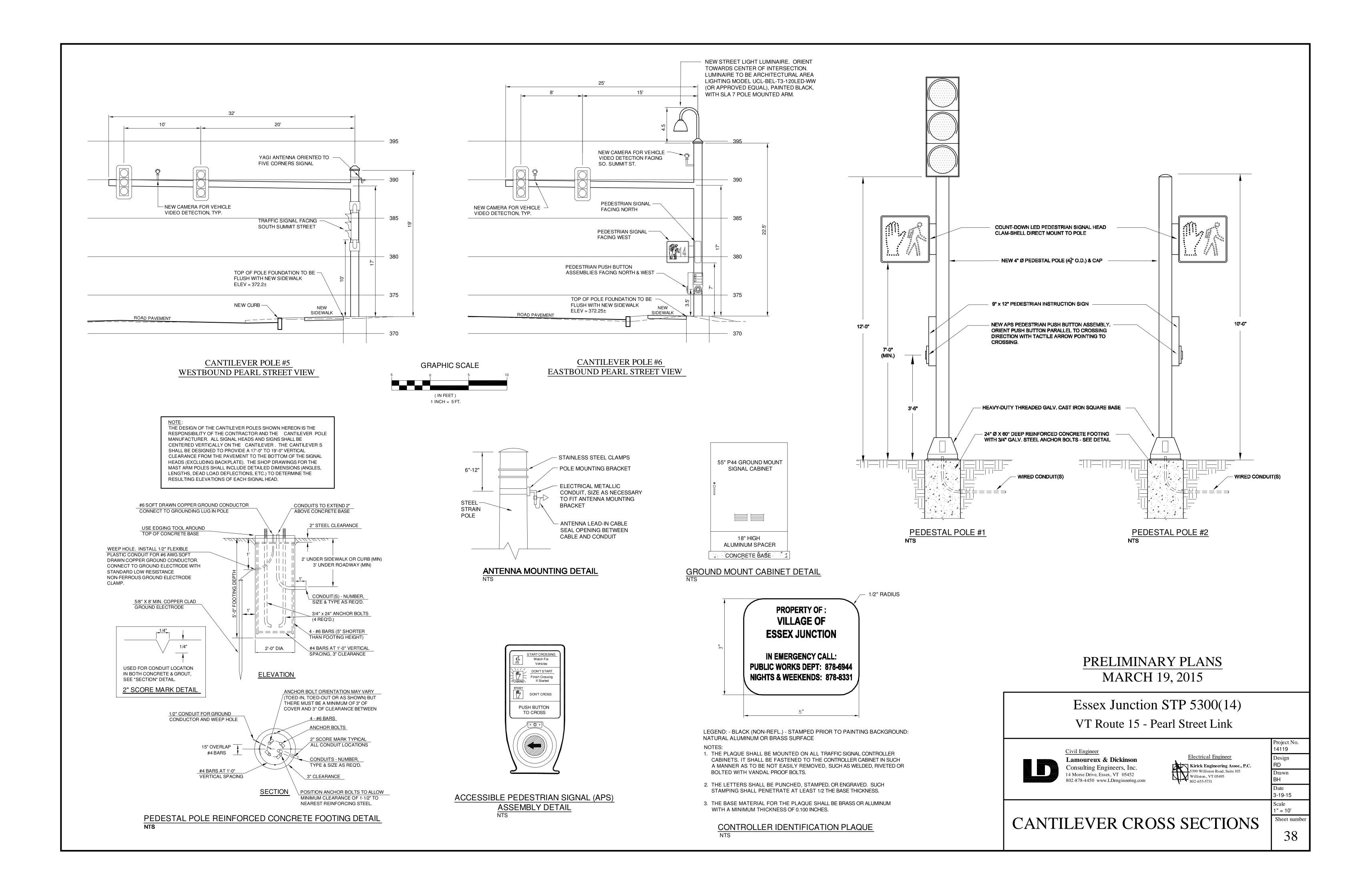


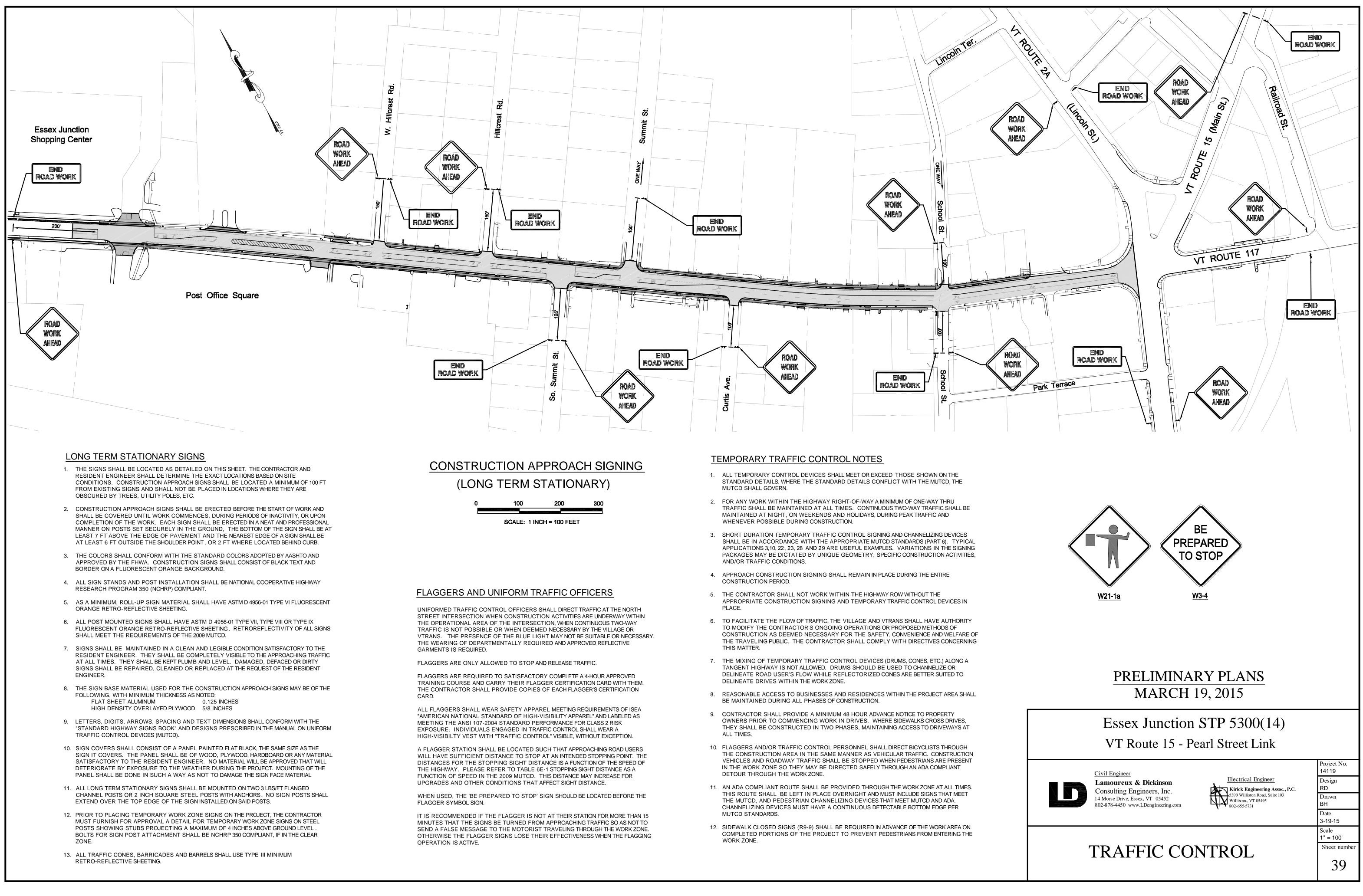
14119 Design RD Drawn ΒH 3-19-15 Scale 1" = 10' Sheet number

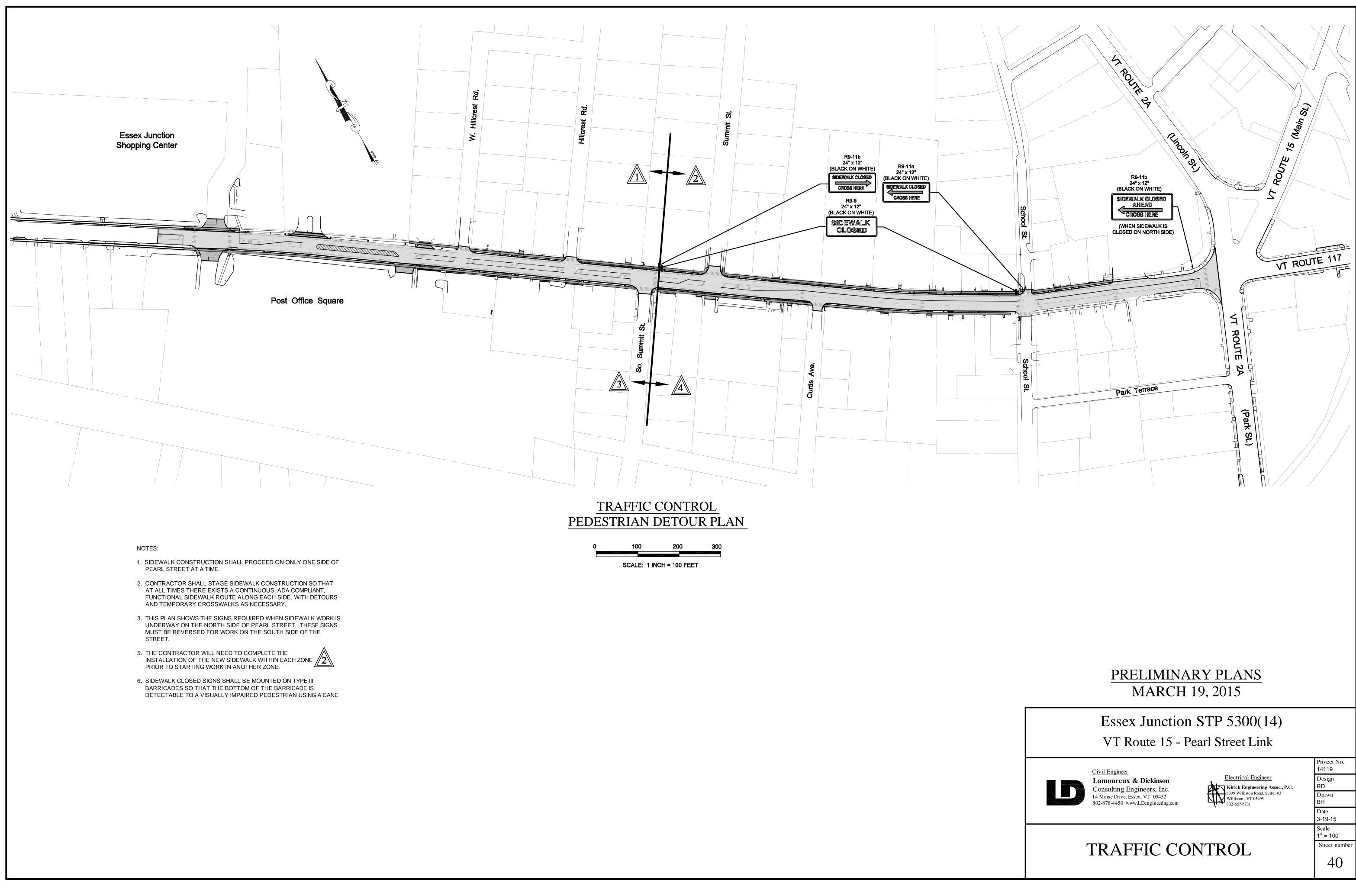
Project No.

# **CANTILEVER CROSS SECTIONS**

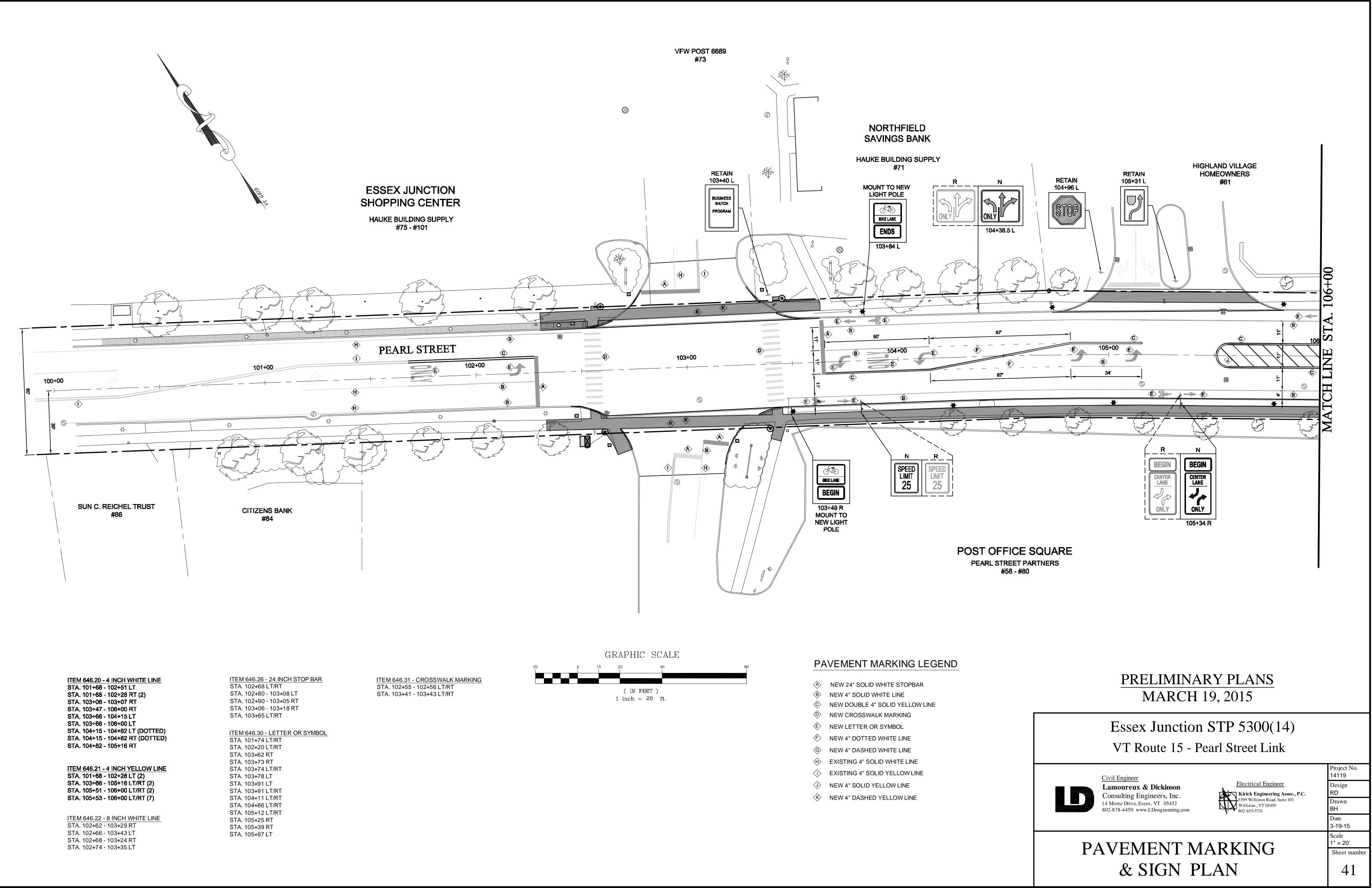
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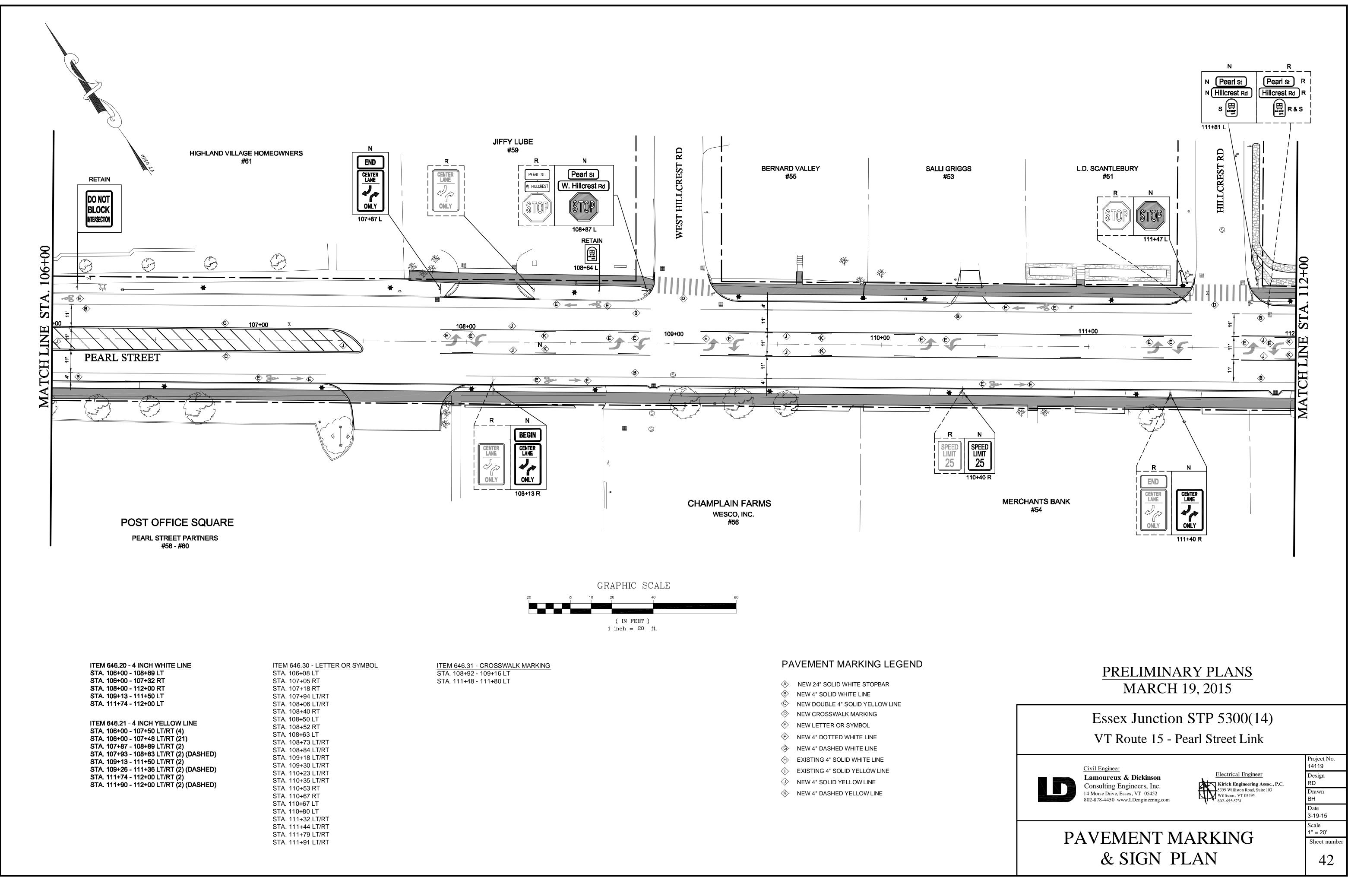


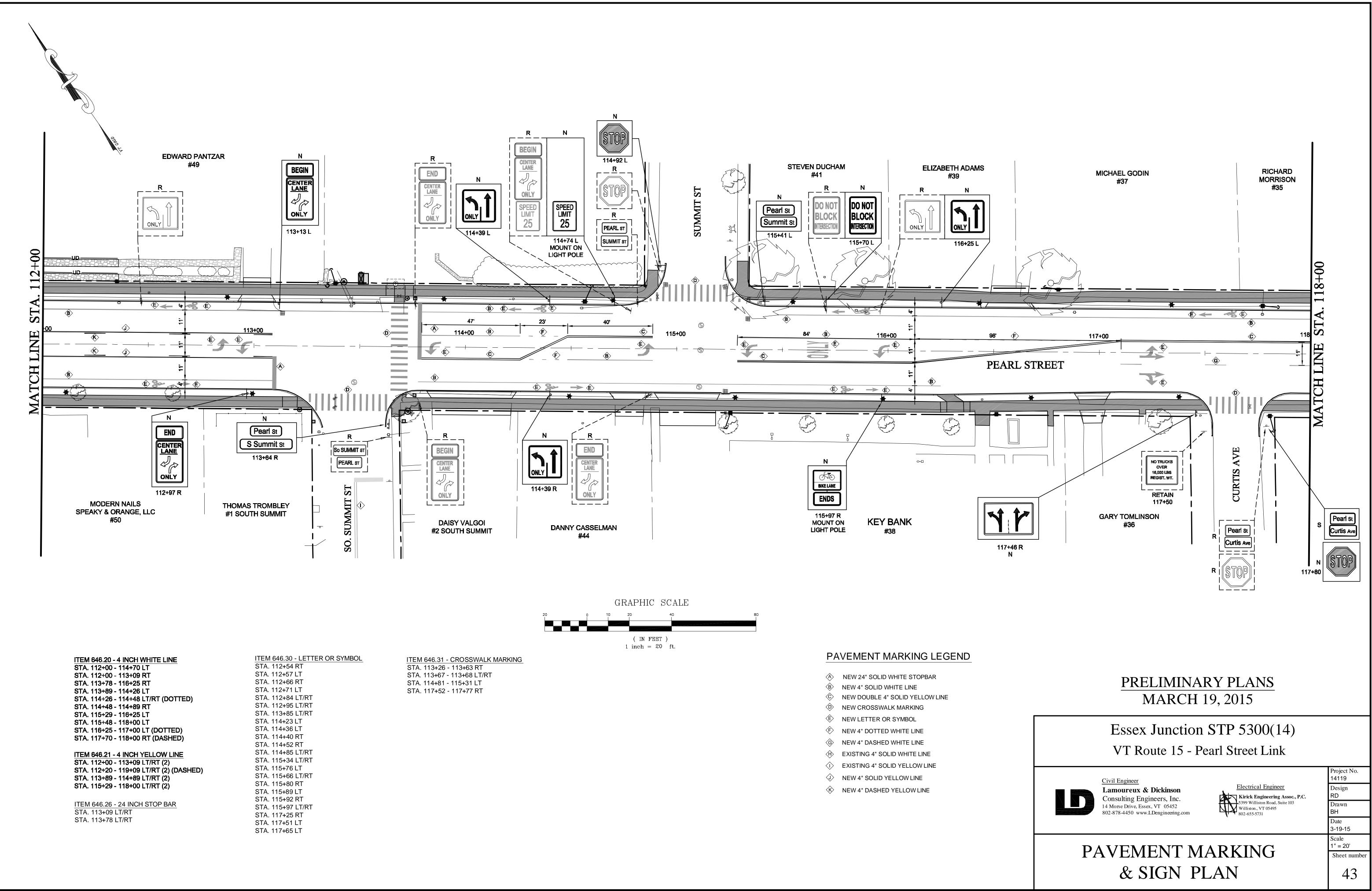


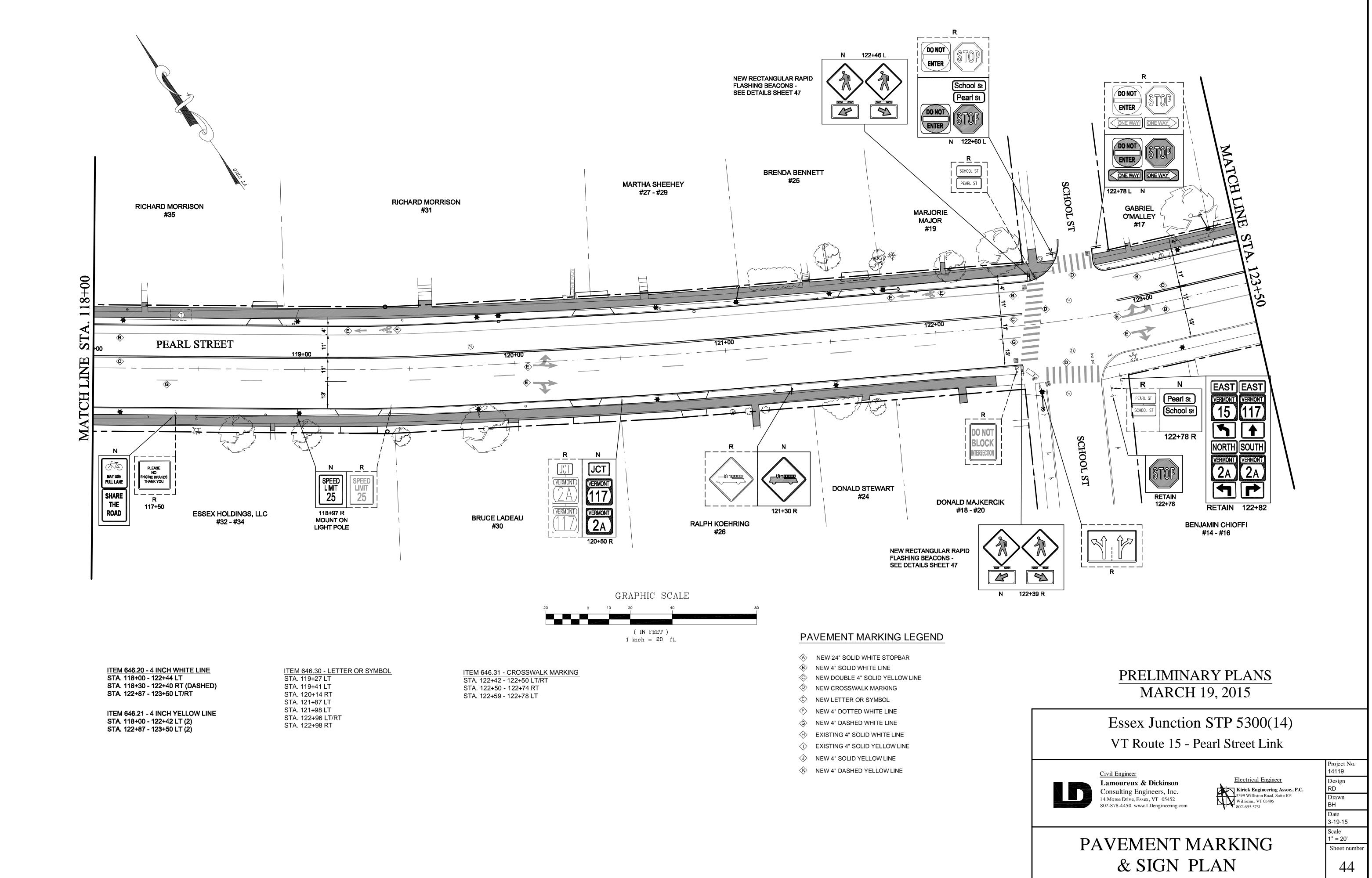


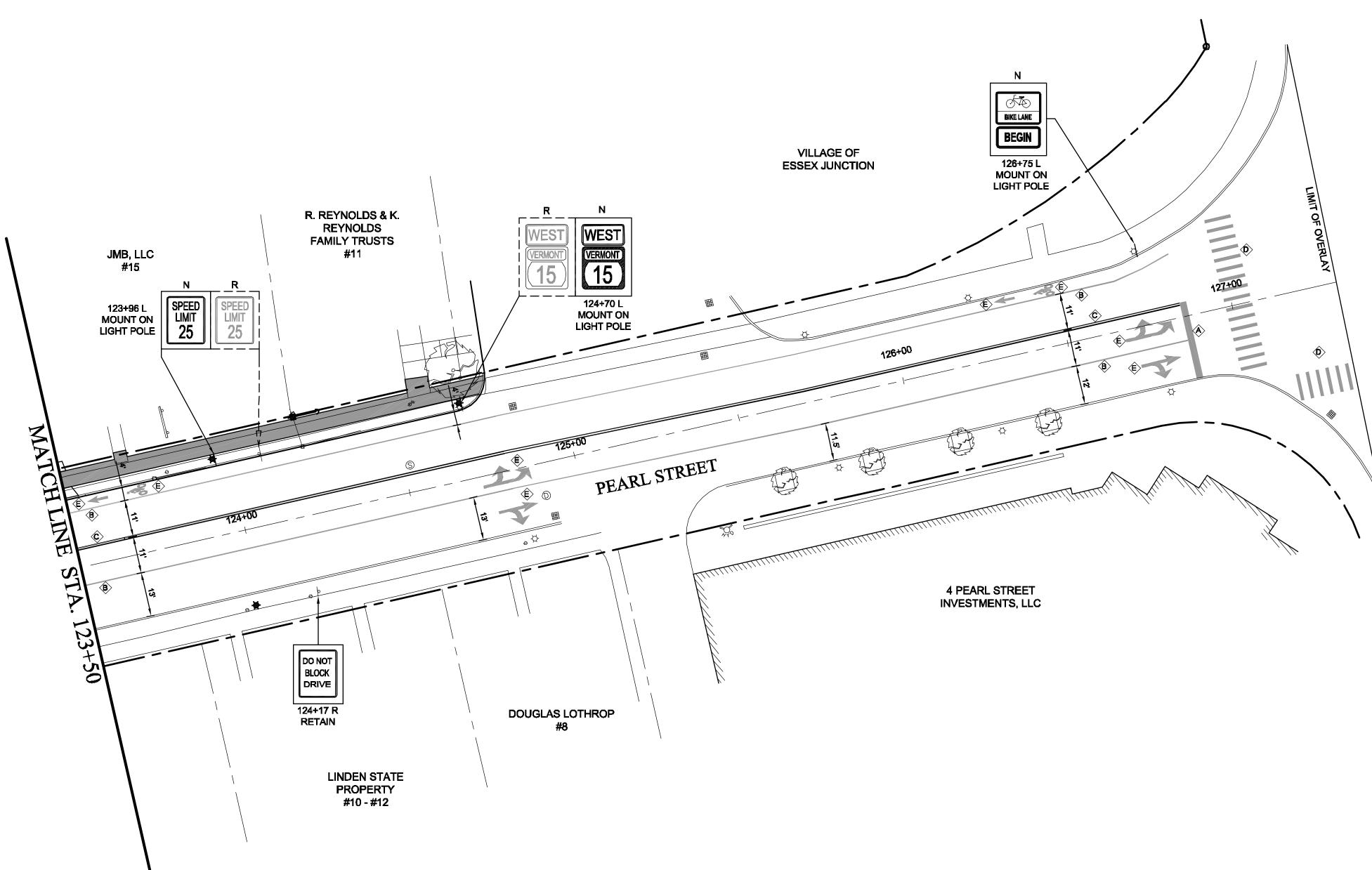
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^	400	~	00	200
U	100	Z	00	300









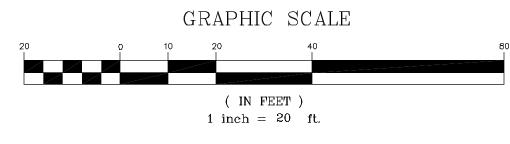


ITEM 646.20 - 4 INCH WHITE LINE STA. 123+50 - 126+85 LT/RT

ITEM 646.21 - 4 INCH YELLOW LINE STA. 123+50 - 126+85 LT (2)

ITEM 646.26 - 24 INCH STOP BAR STA. 126+86 LT/RT

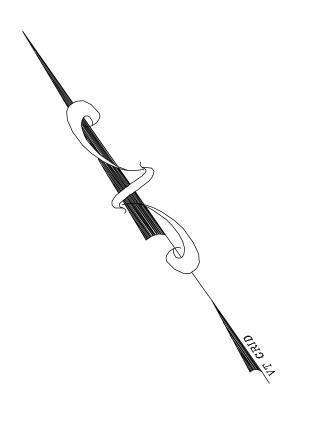
ITEM 646.30 - LETTER OR SYMBOL
STA. 123+60 LT
STA. 123+72 LT
STA. 124+79 LT/RT
STA. 124+80 RT
STA. 126+75 LT/RT
STA. 126+76 RT



ITEM 646.31 - CROSSWALK MARKING STA. 127+01 - 127+03 LT/RT STA. 127+12 - 127+30 RT

### PAVEMENT MARKING LEGEND

- NEW 24" SOLID WHITE STOPBAR  $\langle A \rangle$
- NEW 4" SOLID WHITE LINE NEW DOUBLE 4" SOLID YELLOW LINE
- NEW CROSSWALK MARKING
- NEW LETTER OR SYMBOL <E>
- ♦ NEW 4" DOTTED WHITE LINE
- NEW 4" DASHED WHITE LINE ŝ
- EXISTING 4" SOLID WHITE LINE άÌ)
- EXISTING 4" SOLID YELLOW LINE  $\langle D \rangle$
- ♦ NEW 4" SOLID YELLOW LINE
- 🛞 NEW 4" DASHED YELLOW LINE

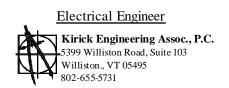


FIVE CORNERS

# PRELIMINARY PLANS MARCH 19, 2015

# Essex Junction STP 5300(14) VT Route 15 - Pearl Street Link

<u>Civil Engineer</u> Lamoureux & Dickinson Consulting Engineers, Inc. 14 Morse Drive, Essex, VT 05452 802-878-4450 www.LDengineering.com 

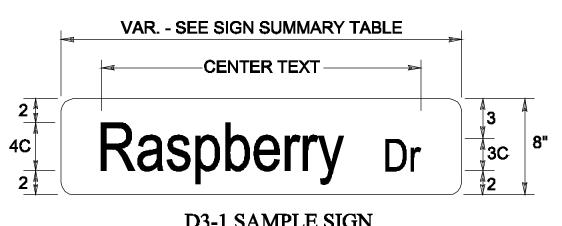


Project No. 14119 Design RD Drawn BH Date 3-19-15 Scale 1" = 20' Sheet number 45



					MAR			<b>EW SIGI</b>			
				BN DIMEN			NO. OF		JARE ST		
STATION	SIGN LEGEND	E A C H	<b>%</b> 4_> <gud< th=""><th>WIDTH (in)</th><th>HEIGHT (in)</th><th>AREA (SF)</th><th>P</th><th>1.7<del>5</del></th><th>(in) 2.0</th><th>2.5</th><th>MUTCE</th></gud<>	WIDTH (in)	HEIGHT (in)	AREA (SF)	P	1.7 <del>5</del>	(in) 2.0	2.5	MUTCE
		H	ÅG				O S T S		lb/ft		
			D				3	1.88	2.42	3.35	
103+49 R	<b>BIKE LANE</b>	1		24"	18"	3.00					D11-1 M4-11
	BEGIN	1		24"	12"	2.00					MOUNT (
					12	2.00					LIGHT PC
											D11-1
103+84 L	BIKE LANE	1		24"	18"	3.00					M4-6
	ENDS	1		24"	12"	2.00					MOUNT ( LIGHT PC
	SPEED										
103+82 R	25	1		24"	30"	5.00	1		15		R2-1
104+38 L	STA	1		30"	36"	7.50	1		15		VR-922
	BEGIN	1		24 <b>"</b>	12"	2.00					M4-11
	CENTER LANE										
105+34 R		1		24"	36"	6.00	1		15		R3-9B
	<b>*</b>										
	ONLY										
	END	1		24"	12"	2.00					M4-6
	CENTER										
107+87 L		1		24"	36"	<del>6</del> .00	1		15		R3-9B
	ONLY										
	BEGIN	1		24"	12"	2.00					M4-11
	CENTER										
108+13 R		1		24"	36"	6.00	1		15		R3-9B
	**										
	ONLY										
	Pearl St	1		24"	8"	1.33					D3-1
100-0-1	W Hillcrest Rd	1		36"	8"	2.00	1		16		D3-1
108+87 L	(CTAD)					<u>ب</u> م					
	SIUP	1		30"	30"	6.2 <del>5</del>					R1-1
110+40 R	SPEED	1		24"	30"	5.00	1		15		R2-1
י עדי ער ג	25			27		0.00					112-1
	CENTED										
111+40 R	the second s	1		24"	36"	6.00	1		15		R3-9B
	ONLY										
	TOTAL	17				SF	EA	FT	FT	FT	
	LENGTHS ARE TO BE DET	ERM		D		67.1	8		121		
	. POST SIZES ARE COMP IFORMATION FURNISHED										

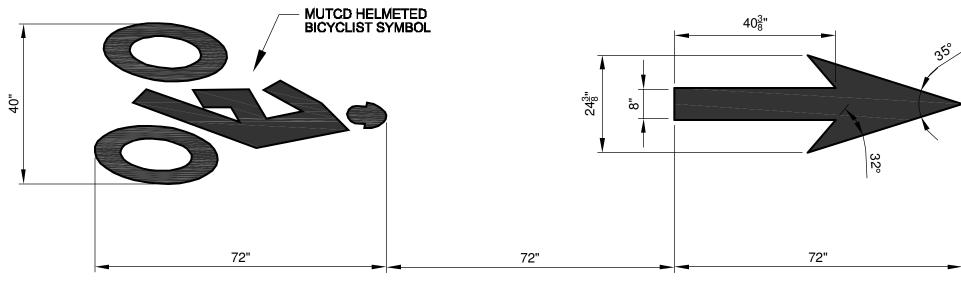
	SIC				RY <sup>-</sup>	ΓΑΕ		DUcto		-			SIG			IMAF				00516	
STATION	SIGN LEGEND	E A C H C E E	WIDTI	HEIGH	T ARE (SF		O. SQUA F 1.75	POSTS       IRE STEEL       (in)       2.0     2.5       Ib/ft       2.42     3.35	MUTCD	-	STATION	SIGN LEGEND	)	S SAL>AGUD EACH	GN DIME WIDTH (in)	NSIONS HEIGHT (in)	AREA (SF)	NO. OF POSTS	SQUA 1.75	POSTS   RE STEEL   (in)   2.0   2.1   (b/ft   2.42	
111+47 L	STOP	1	30"	30"	6.2	5 1		15	R1-1		114+92 L	STOP		1	30"	30"	6.2 <del>5</del>	1		15	R1-1
111+82 L	Pearl St Hillcrest Rd	1	24" 30"	6" 8"	1.33 1.64				D3-1 D3-1		115+41 L	Pearl s Summit	$\leq$	1	24" 30"	8" 8"	1.33 1.68	1		15	D3-1 D3-1
	END	1	24"	12"	2.0	)			M4-6		115+70 L	DO NO BLOCH INTERSECTIO	<	1	24"	36"	6.00	1		15	R10-7
112+97 R		1	24"	36"	6.0	) 1		15	R3-9B		115+97 R	BIKE LANE ENDS		1	24 <b>"</b> 24"	18" 12"	3.00 2.00				D11-1 M4-6 MOUNT ON LIGHT POLE
113+13 L	BEGIN CENTER LANE	1	24" 24"	12" 36"	2.0 6.0	1		15	M4-11 R3-9B		116+25 L	ONLY		1	30"	30"	6.25				MOUNT ON LIGHT POLE VR-921
	(Pearl St		24"	8"	1.3				D3-1		114+92 L	STOP		1	30"	30″	6.2 <del>5</del>			15	R1-1
113+64 R	S Summit St	) 1	36"	8"	2.0	) 1		15	D3-1 MOUNT ON		117+36 R			1	36"	30"	7.5	2		15	VR-924
114+39 L		1	30"	30"	6.2	5			LIGHT POLE VR-921	-											
114+39 R		1	30"	30"	6.2	5			Mount on Light Pole VR-921		117+80 R	(Pearl s CURTIS	Ave	1							
114+74 R	SPEED LIMIT 25	1	24"	30"	5.0	0			MOUNT ON LIGHT POLE R2-1			STO		1	30"	30"	6.25	1		16	R1-1
IN THE FIEL BASED ON STANDARD	TOTAL LENGTHS ARE TO BE DE D. POST SIZES ARE COM INFORMATION FURNISHEI SHEETS AND THE TRAFF "SIGN POST DESIGN GUID	TERMIN PUTED D ON TH		ΤΟΤΑΙ	<b>SF</b> 46. SF - <b>50</b>	5	A FT	FT FT 60 FT 60			IN THE FIELD BASED ON IN STANDARD S	LENGTHS ARE TO D. POST SIZES AR NFORMATION FUR SHEETS AND THE SIGN POST DESIG	E COMPU NISHED ( TRAFFIC	ERMIN JTED DN TH & SAF	ED	TOTAL	SF 46.5 SF 46.5	EA 6		FT F1 106 FT 10 <del>6</del>	
114+74 L								STR	EET NAM	SIGNS NOTE	ES				1	Pl				<u>XYPI</u> 9,20	<u>LANS</u> 15
VAR SI	EE SIGN SUMMARY	TABLE		+	4	E) Di Si Ui Ti Ui	IMENSIONS & UPPLEMENT NIFORM TRA RANSPORTA	SHALL CONF AND DESIG FFIC CONTR TION FEDER BLADE WITH \$	ORM WITH THE "STA NS PRESCRIBED IN OL DEVICES (MUTCI AL HIGHWAY ADMIN	S, ARROWS, SYMBOLS, S DARD HIGHWAY SIGNS B IE LATEST EDITION OF T ADOPTED BY THE U.S. D TRATION (FHWA). STREE SPACING BETWEEN LETTEF	300K - 2012 HE MANUAL ON DEPARTMENT OF IT NAME SIGNS SH/	ALL					ex Jı	unc	tion	STP :	5300(14) eet Link
				<u>М</u> Ті	ATERIALS	FOR THE B	. THE MOUNTING M	SHEET ALUMINUM WITH HOD FOR STREET NAME	E SIGNS SHALL U					<u>Civil Engine</u> L <b>amoure</b> Consulting	ux & Dic			<b>N</b> .	lectrical Engineer Kirick Engineering Assoc., 399 Williston Road, Suite 103		
DS-1 SALVIFLE SIGN CLE NAM					IGNS TO POS	ST SHALL BE S 8'-0" TO TH SHALL HAVE	INCIDENTAL TO OTH E BOTTOM OF THE S	SLOT LENGTH. HARDWA R ITEMS. THE MINIMUM SN. FOR POST TOP MOU . STREET NAME SIGNS (	VERTIČAL NTINGŠ, ŠTREET	r l			1	4 Morse Driv 02-878-4450	e, Essex, VT	05452			399 Williston Road, Suite 103 Williston., VT 05495 302-655-5731		
						S	<b>olors</b> Treet Name ( Ackground)	BIGNS SHALL I	HAVE REFLECTORIZED	VHITE TEXT ON A REFLECT	ORIZED GREEN		SIGN SUMMARY							IAR	Y



			SIC	GN DIMEN	SIONS		N				
	SIGN	E	SA	WIDTH	HEIGHT	AREA	NO. OF	SQL	JARE ST (in)	EEL	
STATION	LEGEND	E A C H		(in)	(in)	(SF)	P O S T	1.75	2.0	2. <del>5</del>	MUTCE
			SALVAGUD				S S	1.88	lb/ft 2.42	3.35	
118+39 R	MAY USE FULL LANE SHARE THE	1		30"	30"	6.25	1		16		R4-11
	ROAD	1		18"	24"	3.00					W16-1P
118+97 R	SPEED LIMIT 25	1		24"	30"	5.00	1		15		R2-1
	JCT VERMONT	1		21"	15"	2.19					M2-1
120+50 R	VERMONT 2A	1		24" 24"	24" 24"	4.00 4.00	1		18		M1-5 M1-5
121+30 R		1		30"	30"	6.25	1		15		W11-8
122+60 L	DO NOT	1		24" 30" 30"	8" 8" 30"	1.33 1.68 6.25	1		16		D3-1 D3-1 R5-1
	ENTER BACK TO BACK	2		30"	30"	6.25					R1-1
	TOTAL	11				SF	EA	FT	FT	FT	
	NGTHS ARE TO BE DETERMINED POST SIZES ARE COMPUTED					46.2	5		80		

# 2014\14119\dwg\14119- 47 SIGN SUM-02.dwg, 4/7/2015 2:31:40 PM, 1:1

	SIG	Ν	S	UMI	MAR	Y TA	BL	E			
			-		ISIONS		NO.		N POSTS JARE ST		
STATION	SIGN LEGEND	E A C H		WIDTH	HEIGHT (in)	AREA (SF)	OF		(in)		MUTCD
	LEGEND	Ĭ	SALVAGED	(in)			O S T	1.75	2.0 lb/ft	2.5	
			Ē				Š	1. <b>88</b>	2.42	3.35	
122+78 L	BACK TO BACK DO NOT ENTER ONE WAY DONE WAY BACK TO BACK	2		30" 30" 36" 36"	30" 30" 18" 18"	6.25 6.25 4.50 4.50	1		16		R5-1 R1-1 R6-1R R6-1L
122+78 R	Pearl st School st	1		24" 30"	8" 8"	1.33 1.68	1		15		D3-1 D3-1
123+96 L	SPEED LIMIT 25	1		24"	30"	5.00					R2-1 MOUNT ON LIGHT POLE
124+70 L	WEST VERMONT 15	1		24" 24"	12" 24"	2.00 4.00	1		16		M3-4 M1-5
126+75 L	BIKE LANE BEGIN	1		24" 24"	18" 12"	3.00 2.00					D11-1 M4-11 MOUNT ON LIGHT POLE
	TOTAL	1 <b>1</b>				SF	EA	FT	FT	FT	
IN THE FIELD	LENGTHS ARE TO BE DETERMINED . POST SIZES ARE COMPUTED					40.5	3		47		
STANDARD S	IFORMATION FURNISHED ON THE SHEETS AND THE TRAFFIC & SAFETY SIGN POST DESIGN GUIDELINE."				TOTAL	SF 40.5			FT 47		
	SUMMARY SHEET 1 TABLE 1	17				67.1	8		121		
	SUMMARY SHEET 1 TABLE 2	12				46.1	4		60		
	SUMMARY SHEET 1 TABLE 3 SUMMARY SHEET 2 TABLE 1	10 11				46.5 46.2	6 7		106		
	TOTALS					200.3	28		414		
	IUIALS					200.3	20		-114		



CENTER SYMBOLS LATERALLY IN BIKE LANE

BIKE LANE PAVEMENT MARKING DETAIL

