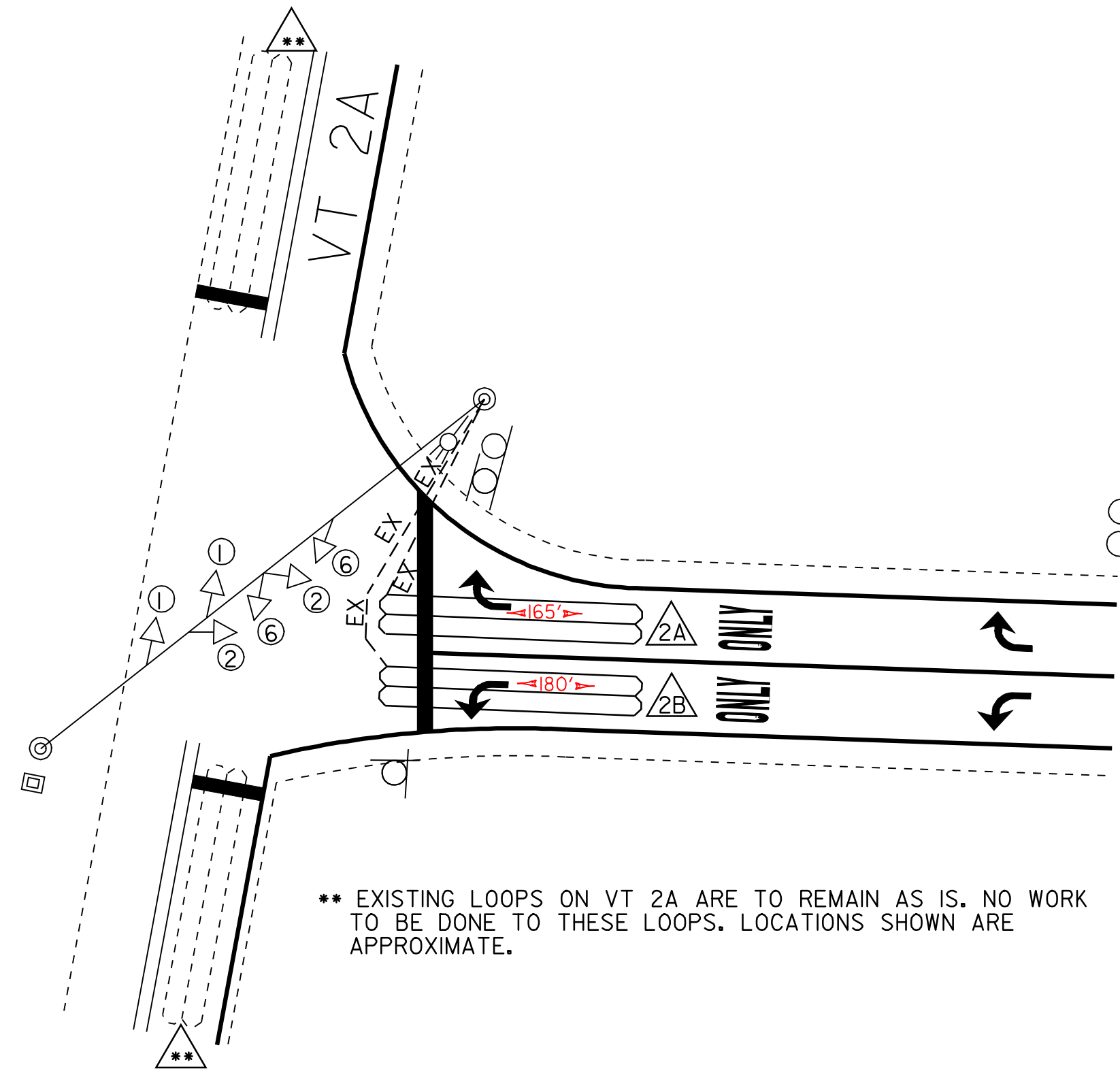


GENERAL NOTES

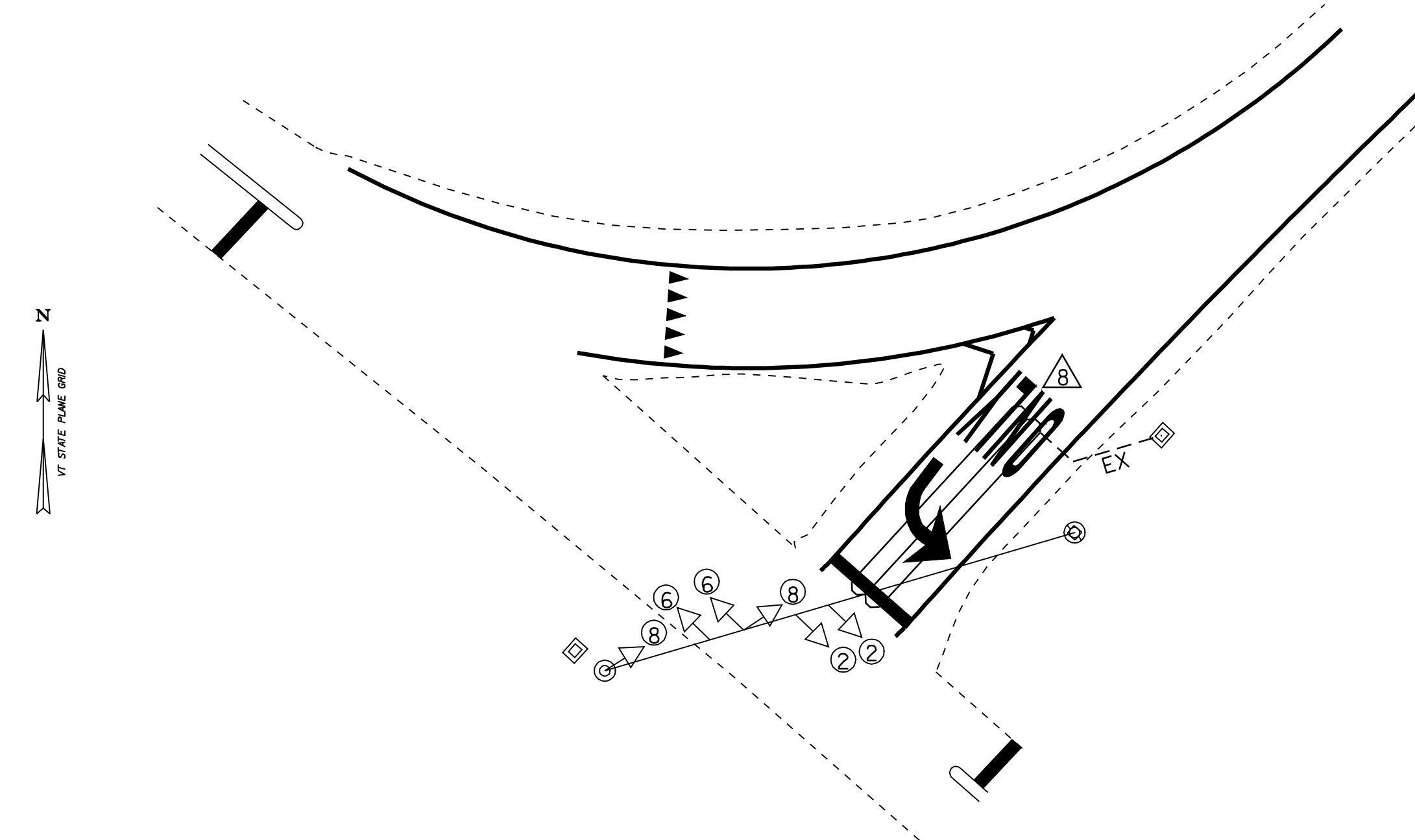
1. THIS PLAN IS NOT TO SCALE AND SHALL BE USED AS A GUIDE. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS, INCLUDING, BUT NOT LIMITED TO, UTILITIES, POLES, PULL BOXES, STRIPING, AND LOOP DETECTORS. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.
2. PRIOR TO COLD PLANING, THE CONTRACTOR SHALL DISCONNECT THE VEHICLE DETECTOR LOOP IN THE CONTROLLER CABINET AND CUT IT AT THE CURB OR SHOULDER. ONCE THE VEHICLE DETECTOR LOOP IS DISCONNECTED, THE SIGNAL PHASE THAT IT WAS CALLING SHALL BE SET ON MAXIMUM RECALL OR THE SIGNAL SHALL BE SET TO FLASH WHILE TRAFFIC IS BEING CONTROLLED BY A UNIFORMED TRAFFIC OFFICER. THIS WORK SHALL BE INCIDENTAL TO PAY ITEM 678.22, "VEHICLE LOOP DETECTOR".
3. ALL PROPOSED VEHICLE DETECTOR LOOPS SHALL BE INSTALLED IN THE LEVELING COURSE, WHICH IS IMMEDIATELY BELOW THE WEARING SURFACE. ONCE THE PROPOSED VEHICLE DETECTOR LOOP IS INSTALLED, THE INDUCTANCE, RESISTANCE AND LEAKAGE TO GROUND MUST BE TESTED USING PROPERLY CALIBRATED EQUIPMENT. THESE TEST RESULTS SHALL BE COMPARED WITH THE CALCULATED VALUES SHOWN ON THE LAYOUT PLANS AND THE FIELD MEASURED VALUES SHALL BE RECORDED ON THE LAYOUT PLANS. UPON COMPLETION OF THE INSTALLATION OF A PROPOSED VEHICLE LOOP DETECTOR, THE SIGNAL SHALL BE RETURNED TO NORMAL OPERATION.
4. THE CONTRACTOR SHALL USE THE EXISTING CONDUIT WHICH RUNS FROM THE CURB TO THE CONTROLLER PANEL FOR THE NEW LOOP DETECTORS.
5. EXISTING TIMINGS WILL BE USED.
6. WORK IMPROVEMENTS CONSISTING OF THOSE SHOWN ON PLANS SHALL BE PERFORMED ACCORDING TO SPECIFICATIONS AND STANDARD DRAWINGS OF VERMONT AGENCY OF TRANSPORTATION. VEHICLE DETECTOR LOOPS SHALL COMPLY WITH VTRANS STANDARD E-172.



EXIT 7 RAMP D SIGNAL LAYOUT PLAN

VEHICLE DETECTOR LOOPS									
LOOP NO.	LANE	CALL Ø	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE CALC. ACT.	RESISTANCE CALC. ACT.	LEAKAGE TO GROUND	
2A	WB RT	Ø 1	6x40	QUAD-2	PRESENCE	348	0.68		
2B	WB LT	Ø 1	6x40	QUAD-2	PRESENCE	351	0.73		

* ALL CALCULATED VALUES ARE AT THE CONTROLLER. MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.



EXIT 12 RAMP D SIGNAL LAYOUT PLAN

VEHICLE DETECTOR LOOPS									
LOOP NO.	LANE	CALL Ø	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE CALC. ACT.	RESISTANCE CALC. ACT.	LEAKAGE TO GROUND	
8	SB LT	Ø 1	6x40	QUAD-2	PRESENCE	345	0.64		

* ALL CALCULATED VALUES ARE AT THE CONTROLLER. MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

678.22 VEHICLE LOOP DETECTOR

EXIT 7 RAMP D STA. 18+70 LT - STA. 19+10 LT (LOOP 2A - 40 FT)
 EXIT 7 RAMP D STA. 18+70 RT - STA. 19+10 RT (LOOP 2B - 40 FT)
 EXIT 12 RAMP D STA. 13+08 CL - STA. 13+48 CL (LOOP 8 - 40 FT)

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

EXISTING	NEW	LEGEND
☐		UTILITY POLE
—○—		LUMINAIRE
○		LIGHT OR WOOD POLE
⊙		STRAIN POLE
☐		CONTROLLER CABINET
☐		PULLBOX/JUNCTION BOX
—○—		SIGNAL HEAD
—EX—		CONDUIT
⊖		VEHICLE LOOPS
⊕		PEDESTAL POST
⊕		STANCHION
—S		SWEEP

LOOP LAYOUT SHEET 1	PROJECT NAME: ESSEX	
	PROJECT NUMBER: NH 2403 (1)S	
	FILE NAME: pave/04b032/p04b032.dgn	PLOT DATE: 23-APR-2009 15:5
	PROJECT LEADER: EPD	DRAWN BY: SJB, RHB
DESIGNED BY: JDA	CHECKED BY: EPD	
PLOT FILE: p04b032vdll.1	SHEET 21 OF 48	