

VEHICLE LOOP DETECTOR (U.S. CUSTOMS)

LAYOUT SHEET	LOOP NO.	LANE	CALL	SIZE (FT)	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE CALC. ACT.	RESISTANCE CALC. ACT.	LEAKAGE TO GROUND	LOCKING MEMORY
19	1	STRAIGHT THRU	Ø	6 X 6	RECT. - 2	PRESENCE	138.3	0.52		NO

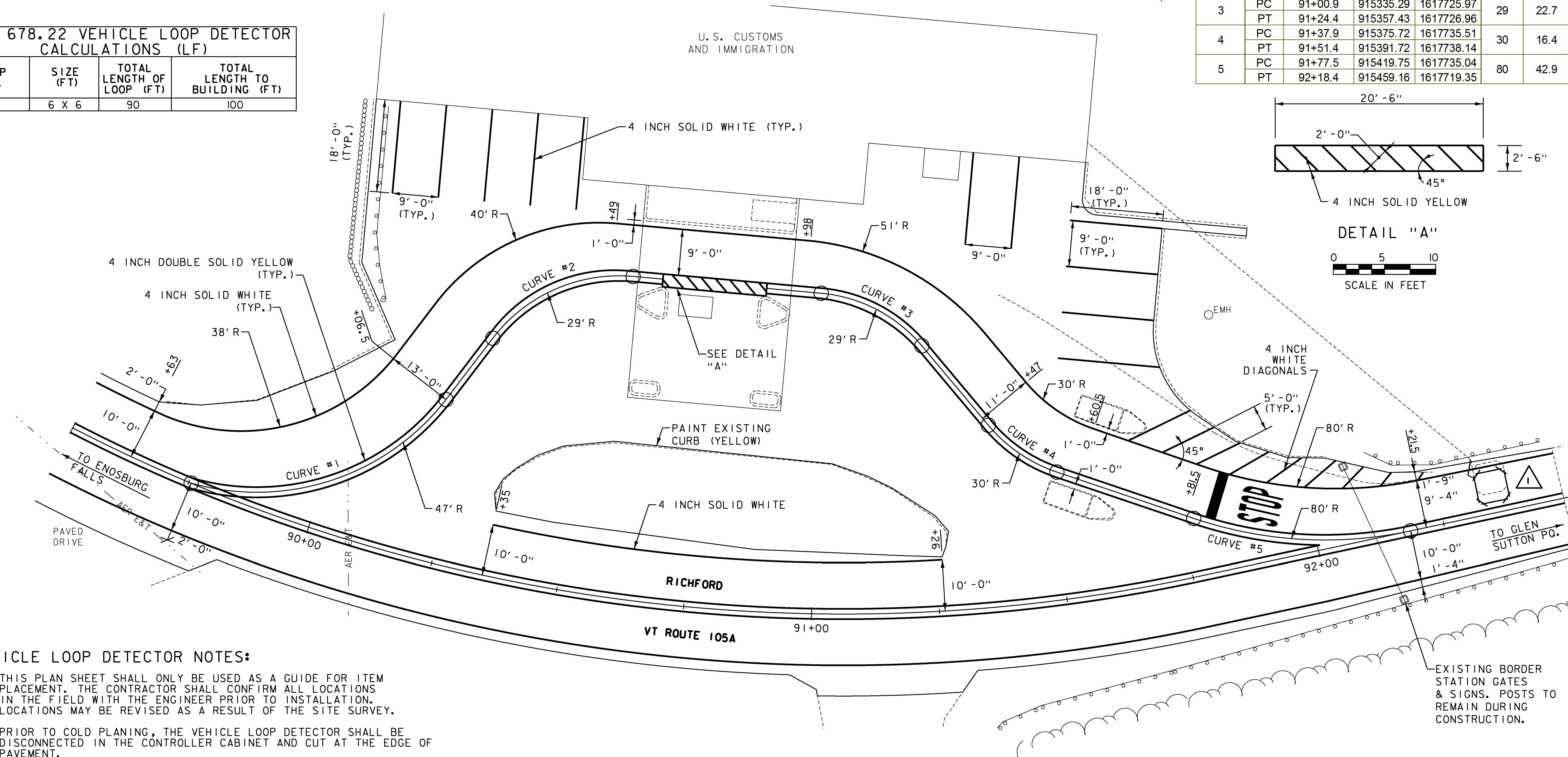
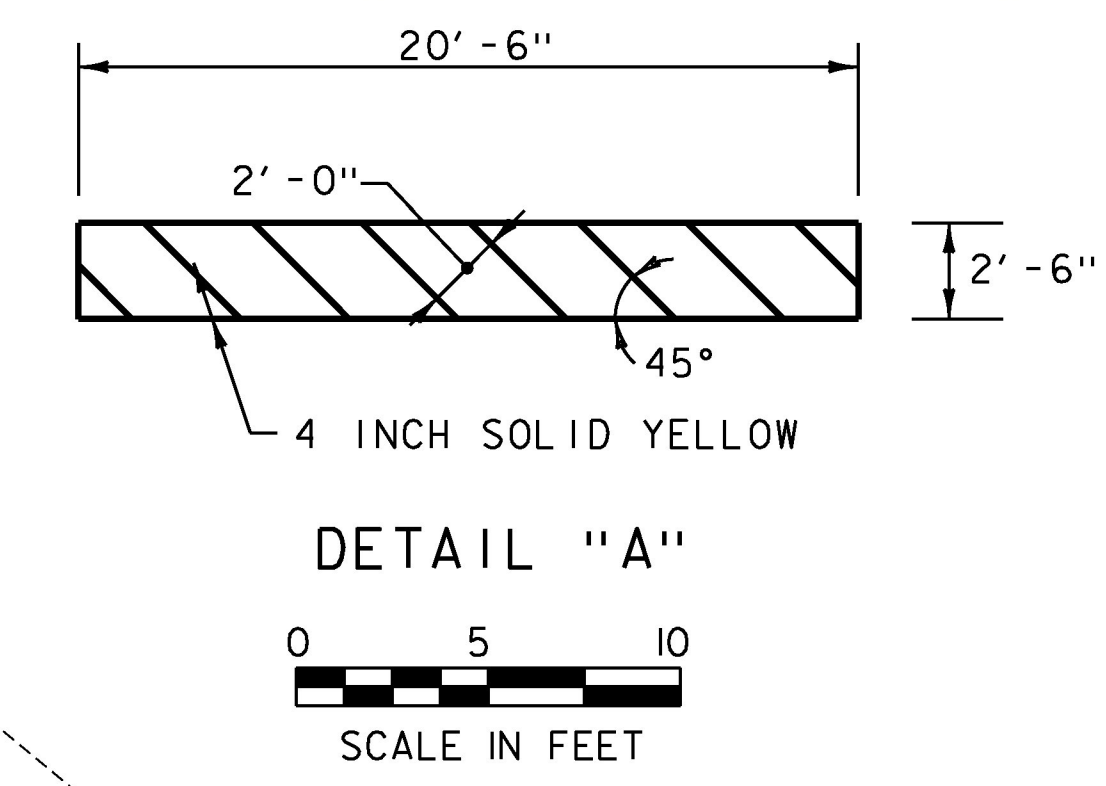
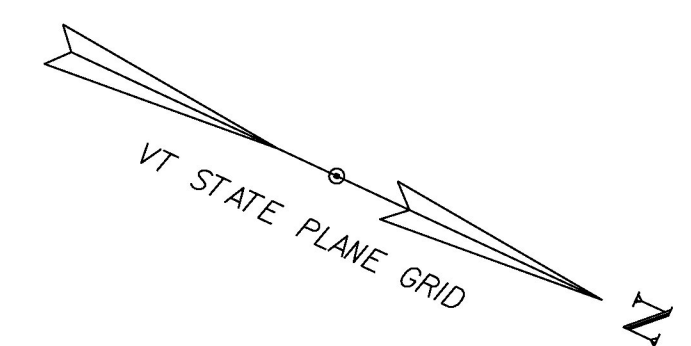
ALL CALCULATED VALUES ARE AT THE CONTROLLER.
MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

ITEM 678.22 VEHICLE LOOP DETECTOR CALCULATIONS (LF)

LOOP NO.	SIZE (FT)	TOTAL LENGTH OF LOOP (FT)	TOTAL LENGTH TO BUILDING (FT)
1	6 X 6	90	100

U.S. CUSTOMS CENTERLINE MARKING LAYOUT

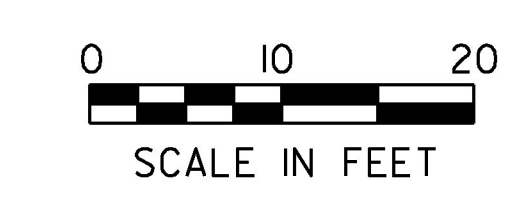
CURVE #	Point Type	Station	Northing	Easting	Radius	Length
1	PC	89+75.4	915239.34	1617811.53	47	55.7
	PT	90+19.5	915277.67	1617775.72		
2	PC	90+26.1	915280.90	1617761.01	31	31.2
	PT	90+55.4	915300.63	1617738.51		
3	PC	91+00.9	915335.29	1617725.97	29	22.7
	PT	91+24.4	915357.43	1617726.96		
4	PC	91+37.9	915375.72	1617735.51	30	16.4
	PT	91+51.4	915391.72	1617738.14		
5	PC	91+77.5	915419.75	1617735.04	80	42.9
	PT	92+18.4	915459.16	1617719.35		



VEHICLE LOOP DETECTOR NOTES:

1. THIS PLAN SHEET SHALL ONLY BE USED AS A GUIDE FOR ITEM PLACEMENT. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.
2. PRIOR TO COLD PLANING, THE VEHICLE LOOP DETECTOR SHALL BE DISCONNECTED IN THE CONTROLLER CABINET AND CUT AT THE EDGE OF PAVEMENT.
3. ALL NEW VEHICLE LOOP DETECTORS SHALL BE INSTALLED ON THE COLD PLANED SURFACE, CENTERED WITHIN THE DESIGNATED LANE.
4. AFTER THE NEW LOOP IS INSTALLED, THE INDUCTANCE, RESISTANCE AND LEAKAGE TO GROUND SHALL BE TESTED USING PROPERLY CALIBRATED EQUIPMENT. THE TEST RESULTS SHALL BE COMPARED WITH THE CALCULATED VALUES AND RECORDED ON THE PLANS. ALL LOAD TESTING SHALL BE PERFORMED AS PER VAOT STANDARD E-172.
5. AFTER ACCEPTANCE OF THE LOOP INSTALLATION BY THE ENGINEER, RETURN THE EQUIPMENT TO NORMAL OPERATION. ALL WORK REQUIRED SHALL BE SUBSIDIARY TO ITEM 678.22, VEHICLE LOOP DETECTOR.

LEGEND	
DESCRIPTION	
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□	EXISTING VEHICLE LOOP DETECTORS
□	PROPOSED VEHICLE LOOP DETECTORS
⊗	PROPOSED VEHICLE LOOP DETECTOR NO.



PROJECT NAME:	RICHFORD
PROJECT NUMBER:	STP 2916(I)
FILE NAME:	z10c234de+all.dgn
PROJECT LEADER:	G. EDWARDS
DESIGNED BY:	D. DRAPER
MISCELLANEOUS DETAIL SHEET 3	
PLOT DATE:	4/2/2018
DRAWN BY:	D. DRAPER
CHECKED BY:	J. LITTLE
SHEET	169 OF 222

