NOTES:

THIS PLAN SHEET SHALL ONLY BE USED AS A GUIDE FOR LOOP AND JUNCTION BOX PLACEMENT. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION

LOOPS ARE TO BE TERMINATED AT THE JUNCTION BOX WITH A I M SLACK PER LOOP WIRE, COILED NEATLY WITHIN THE BOX. LOOPS WILL NOT BE CONNECTED TO THE CONTROLLER AT THIS TIME.

ALL BITUMINOUS AREAS TO RECEIVE NEW VEHICLE DETECTOR LOOPS SHALL BE LEVELED WITH TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AS DIRECTED BY THE RESIDENT ENGINEER PRIOR TO THE INSTALLATION OF THE NEW DETECTOR LOOPS. LOOPS SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF THE WEARING COURSE.

IF WATER VALVES, DROP INLETS OR OTHER OBSTRUCTIONS ARE ENCOUNTERED WITHIN THE AREA OF PROPOSED LOOP, THE CONTRACTOR SHALL TAKE SPECIAL CARE TO AVOID THE OBSTRUCTION DURING LOOP INSTALLATION. IF LOOP SIZES OR SHAPES ARE TO BE MODIFIED DUE TO OBSTRUCTIONS THE RESIDENT ENGINEER MUST APPROVE LAYOUT PRIOR TO INSTALLATION.

AFTER THE NEW LOOPS ARE 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-172M.

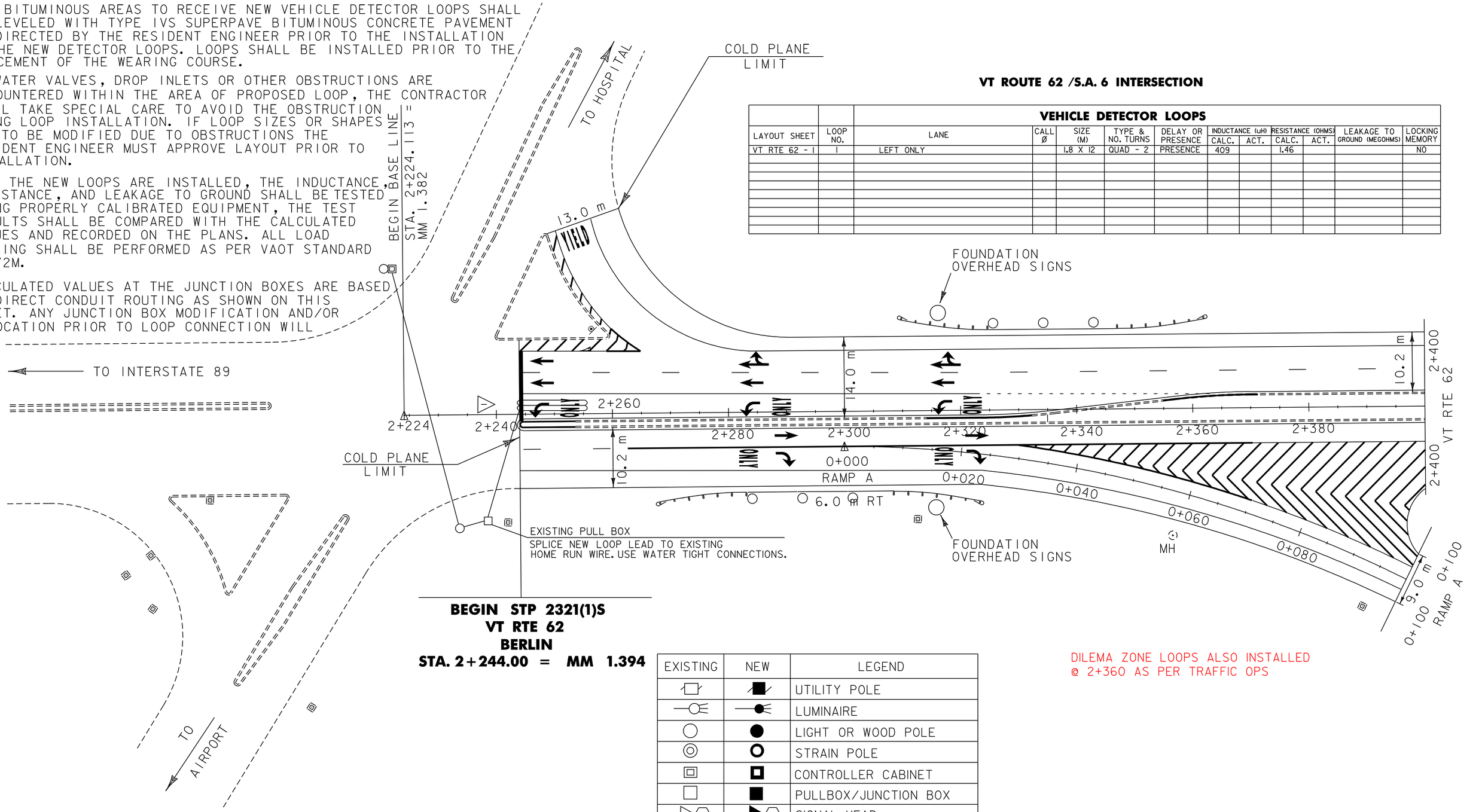
CALCULATED VALUES AT THE JUNCTION BOXES ARE BASED ON DIRECT CONDUIT ROUTING AS SHOWN ON THIS SHEET. ANY JUNCTION BOX MODIFICATION AND/OR RELOCATION PRIOR TO LOOP CONNECTION WILL REQUIRE RECALCULATION OF THESE VALUES.

ALL WORK NOT COVERED BY ITEMS, 678.23 & 678.26 SHALL BE INCIDENTAL TO ITEM 678.22, VEHICLE DETECTOR LOOP. FOR ADDITIONAL DETAILS SEE VAOT STANDARDS E-172M AND E-173M.

ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED.

VT ROUTE 62 /S.A. 6 INTERSECTION

		VEHICLE DETECTOR LOOPS										
							INDUCTANCE (uH)		RESISTANCE (OHMS)			
LAYOUT SHEET	LOOP NO.	LANE	CALL Ø	SIZE (M)	TYPE & NO. TURNS	DELAY OR PRESENCE	CALC.	ACT.	CALC.	ACT.	LEAKAGE TO GROUND (MEGOHMS)	LOCKING MEMORY
VT RTE 62 - 1	1	LEFT ONLY		1.8 X 12	QUAD - 2	PRESENCE	409		1.46			NO



BEGIN STP 2321(1)S
VT RTE 62
BERLIN
STA. 2+244.00 = MM 1.394

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
2		LOOP NUMBER

DILEMA ZONE LOOPS ALSO INSTALLED @ 2+360 AS PER TRAFFIC OPS

VEHICLE DETECTOR LOOP LAYOUT #1

PROJECT NAME: BERLIN-BARRE CITY
PROJECT NUMBER: STP 2321(1)S

FILE NAME: pave/01b022/pb022.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: GRAY
pb022vd11.1

PLOT DATE: 12-MAR-2007 11:10
DRAWN BY: LOCKE
CHECKED BY:
SHEET 33 OF 39