

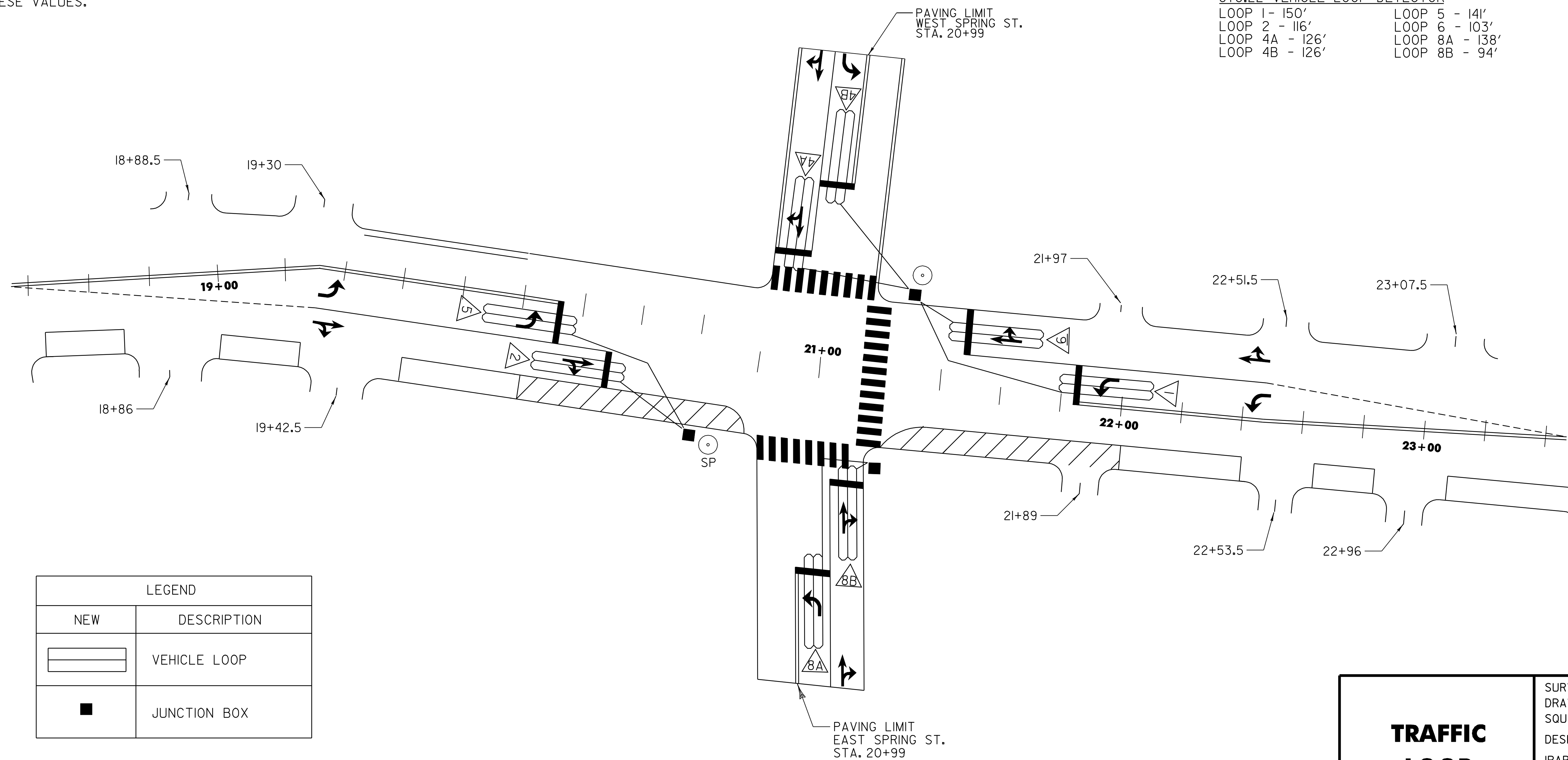
NOTES:

1. THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR LOOP PLACEMENT. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.
2. LOOPS ARE TO BE TERMINATED AT THE JUNCTION BOX WITH 3 FEET SLACK PER LOOP WIRE COILED NEATLY WITHIN THE BOX. LOOPS WILL NOT BE CONNECTED TO THE CONTROLLER AT THIS TIME.
3. ALL LOOPS WILL EXTEND 5 FEET PAST THE CENTER OF THE STOP BAR ON EACH APPROACH.
4. LOOPS SHALL BE INSTALLED IN THE PAVEMENT PRIOR TO THE PLACEMENT OF THE WEARING COURSE.
5. IF WATER VALVES, DROP INLETS OR OTHER OBSTRUCTIONS ARE ENCOUNTERED WITHIN THE AREA OF A 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.
6. MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.
7. CALCULATED VALUES AT CONTROLLER ARE BASED ON DIRECT CONDUIT ROUTING TO THE NEAREST SIGNAL POLE AND CROSSING THE SPAN WIRE AS NECESSARY TO THE EXISTING CONTROLLER LOCATION. ANY SIGNAL MODIFICATION AND/OR CONTROLLER RELOCATION PRIOR TO LOOP CONNECTION WILL REQUIRE RECALCULATION OF THESE VALUES.

VEHICLE LOOP DETECTORS							TEST RESULTS AT JUNCTION BOX				
LANE	LOOP NO.	SIZE	TYPE	NO TURNS	MODE	AMP	INDUCTANCE (uH)		RESISTANCE Ω @ 77°F		(M Ω) LEAKAGE TO GROUND
							CALCULATED	MEASURED	CALCULATED	MEASURED	
SB LEFT	1	6' x 30'	QUAD.	2	PRESENCE	NON-DELAY	267		0.85		
NB THRU/RT	2	6' x 30'	QUAD.	2	PRESENCE	NON-DELAY	277		0.88		
EB THRU/RT	4A	6' x 30'	QUAD.	2	PRESENCE	NON-DELAY					
EB LT	4B	6' x 30'	QUAD.	2	PRESENCE	NON-DELAY	263		0.84		
NB LT	5	6' x 30'	QUAD.	2	PRESENCE	NON-DELAY	278		0.88		
SB THRU/RT	6	6' x 30'	QUAD.	2	PRESENCE	NON-DELAY	266		0.85		
WB THRU/LT	8A	6' x 30'	QUAD.	2	PRESENCE	NON-DELAY					
WB RT	8B	6' x 30'	QUAD.	2	PRESENCE	NON-DELAY	278		0.88		

678.22 VEHICLE LOOP DETECTOR

LOOP 1 - 150'	LOOP 5 - 141'
LOOP 2 - 116'	LOOP 6 - 103'
LOOP 4A - 126'	LOOP 8A - 138'
LOOP 4B - 126'	LOOP 8B - 94'



LEGEND	
NEW	DESCRIPTION
	VEHICLE LOOP
	JUNCTION BOX

TRAFFIC LOOP LAYOUT

SURVEYED BY **LSWKML** DATE **2005**
 DRAWN BY **WILDER** DATE **2005**
 SQUAD LEADER **WOOLAVER**
 DESIGN FILE NO. /pave /05d144 /p05d144.dgn
 IPARM FILE **p05d144h101.i** DATE PLOTTED **10-JAN-2008 11:4**
 PROJ. NAME **WINOOSKI**
 PROJ. NO. **STP 2306(1)S**
 SHEET 21 OF 23

NTS