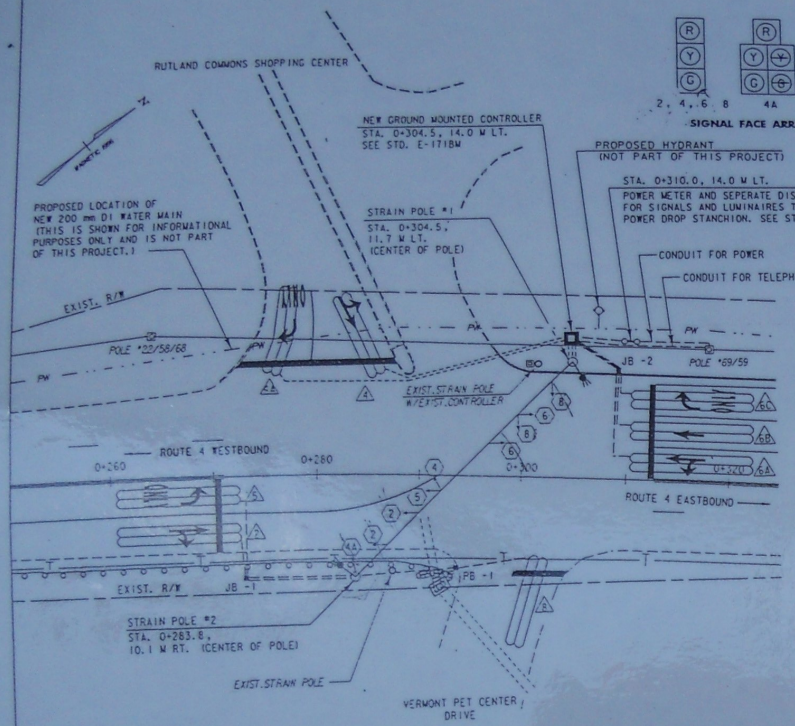
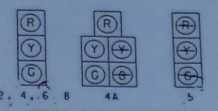




SIGNAL FACE ARRANGEMENT

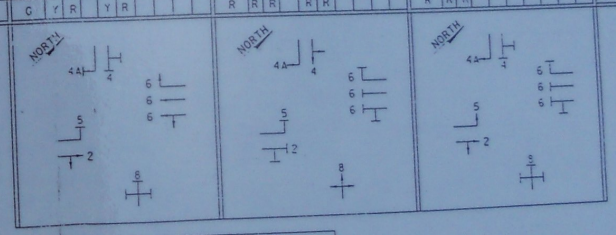
PULL BOX /JUNCTION BOX	
LOCATION & DESCRIPTION	
STA. 0+273.0, 10.0 M RT.	JB-1
STA. 0+294.0, 9.6 M RT.	PB-1
STA. 0+299.0, 11.0 M RT.	JB-2

WIRED CONDUIT (PVC)			
LOCATION	NO.	DIAM.	REMARKS
JB-1 - STRAIN POLE #2	2	50 mm	LOOPS 2, 6
STRAIN POLE #2 - PB-1	1	50 mm	LOOP 6
LOOPS #4A AND #4 - CONTROLLER	2	50 mm	LOOP 4
JB-2 - CONTROLLER	3	50 mm	LOOPS 4A, 4
CONTROLLER - STRAIN POLE #1	3	50 mm	LOOPS 5, 6, 8
CONTROLLER - UTILITY POLE #69/59	1	50 mm	SIGNALS & LOOPS 2, 4, 6, 8
CONTROLLER - POWER DROP STANCHION	1	50 mm	TELEPHONE
POWER DROP STANCHION - UTILITY POLE #69/59	1	50 mm	POWER
	1	50 mm	POWER

SEQ. 13		PHASE 2+6 (DWELL) RW	CLEAR TO: Ø 4+8		CLEAR TO: Ø 2+5		PHASE 4+8 RW	CLEAR TO: Ø 2+5		CLEAR TO: Ø 2+6		PHASE 2+5 RW	CLEAR TO: Ø 2+6	
OFF - MALL 6:00-10:00 AM	VEH EXT	-	-	-	-	-	2	-	-	-	-	2	-	-
	MINIMUM	-	-	-	-	-	8	-	-	-	-	8	-	-
	MAXIMUM	26	4	2	4	2	12	4	2	4	2	14	4	2
MALL 10:00 AM-11:00 PM	VEH EXT	2	-	-	-	-	2	-	-	-	-	2	-	-
	MINIMUM	12	-	-	-	-	8	-	-	-	-	8	-	-
	MAXIMUM	18	4	2	4	2	12	4	2	4	2	18	4	2
	FACE 8	R	R	R	R	R	G	Y	R	Y	R	R	R	R
	FACE 2	G	R	R	G	G	R	R	R	R	R	G	G	G
	FACE 4	R	R	R	R	R	G	Y	R	Y	R	R	R	R
	FACE 4A	R	R	R	R	R	G	Y	R	Y	R	~~G~~	~~Y~~	R
	FACE 5	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~G~~	~~Y~~	~~R~~
	FACE 6	G	Y	R	Y	R	R	R	R	R	R	R	R	R

FLASHING OPERATION 11:00 P.M. - 5:30 A.M. AND AS REQUIRED FOR MALFUNCTION

FR		
FY		
FR		
FR		
~~FR~~		
FY		

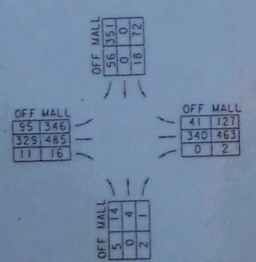


EXISTING	NEW	LEGEND
		STRAIN POLE/CANTILEVER
		SIGNAL HEAD
		VEHICLE DETECTOR LOOPS
		PULL BOX/JUNCTION BOX (PB) / (JB)
		CONTROLLER CABINET
		CONDUIT
		LUMINAIRE

GRAPHIC SCALE
(IN METERS)
0 5 10 15 20
1 : 250

NOTE:

1. SEE PROJECT PLAN FOR CONSTRUCTION NOTES REGARDING CURB AND GUARD RAIL PLACEMENT.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT (WITH EXCEPTION OF TWO (2) THREE SECTION SIGNAL HEADS AS DETERMINED BY THE RESIDENT ENGINEER), TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. SIGNAL HEADS TO BE DELIVERED TO THE MENDON TRAFFIC SHOP.
3. ALL PAVEMENT MARKINGS ARE BY OTHERS AND ARE SHOWN FOR REFERENCE ONLY.



2003 "AVERAGE WEEKDAY" HOURLY VOLUMES

VEHICLE DETECTOR LOOPS

LOOP NO.	LANE	CALL Ø	SIZE (M)	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE CALC.	INDUCTANCE ACT.	RESISTANCE CALC.	RESISTANCE ACT.	LEAKAGE TO GROUND	LOCKING MEMORY
2	EB. RT. & THRU	2	1.8X12.0	QUAD - 2	PRESENCE	395		1.351			NO
4A	WALL RT.	4A	1.8 X 9.0	QUAD - 2	PRESENCE	260		0.756			NO
4	MALL LT.	4	1.8 X 9.0	QUAD - 2	PRESENCE	271		0.644			NO
5	EB. LT.	5	1.8X12.0	QUAD - 2	PRESENCE	398		1.396			YES
6A	WB. LT. & THRU	6	1.8X12.0	QUAD - 2	PRESENCE	349		0.757			NO
6B	WB. THRU	6	1.8X12.0	QUAD - 2	PRESENCE	347		0.723			NO
6C	WB. RT.	6	1.8X12.0	QUAD - 2	PRESENCE	344		0.686			NO
8	VT PET CTR DRIVE	8	1.8 X 9.0	QUAD - 2	PRESENCE	318		1.243			NO

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

NOTE:
ALL DIMENSIONS IN MILLIMETERS
EXCEPT WHERE OTHERWISE INDICATED

Dufresne-Henry

PROJECT NAME: RUTLAND TOWN
PROJECT NUMBER: NHG SGNL(5)S
FILE NAME: 2D292frm.dgn
PROJECT LEADER: GAS
DESIGNED BY: RAN/JCO
TRAFFIC SIGNAL DETAIL
PLOT DATE: 8/13/
DRAWN BY: RAN
CHECKED BY: GAS
SHEET 8 OF