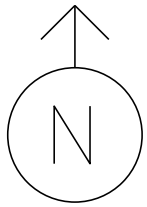


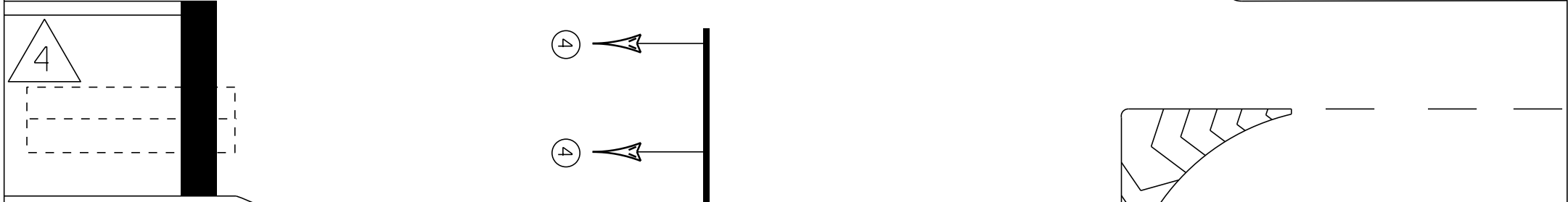
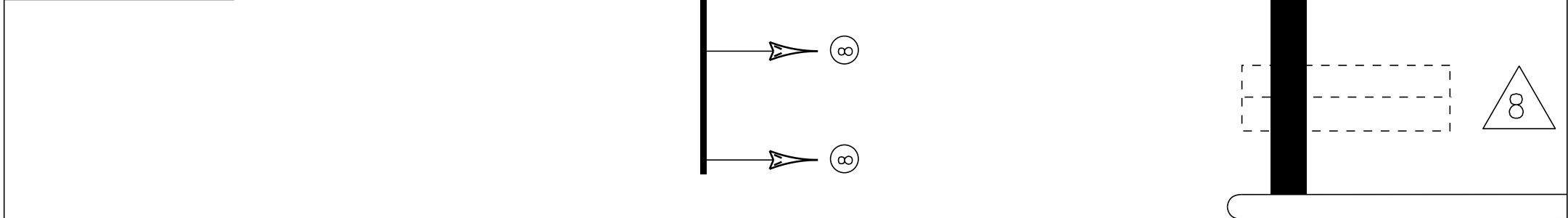
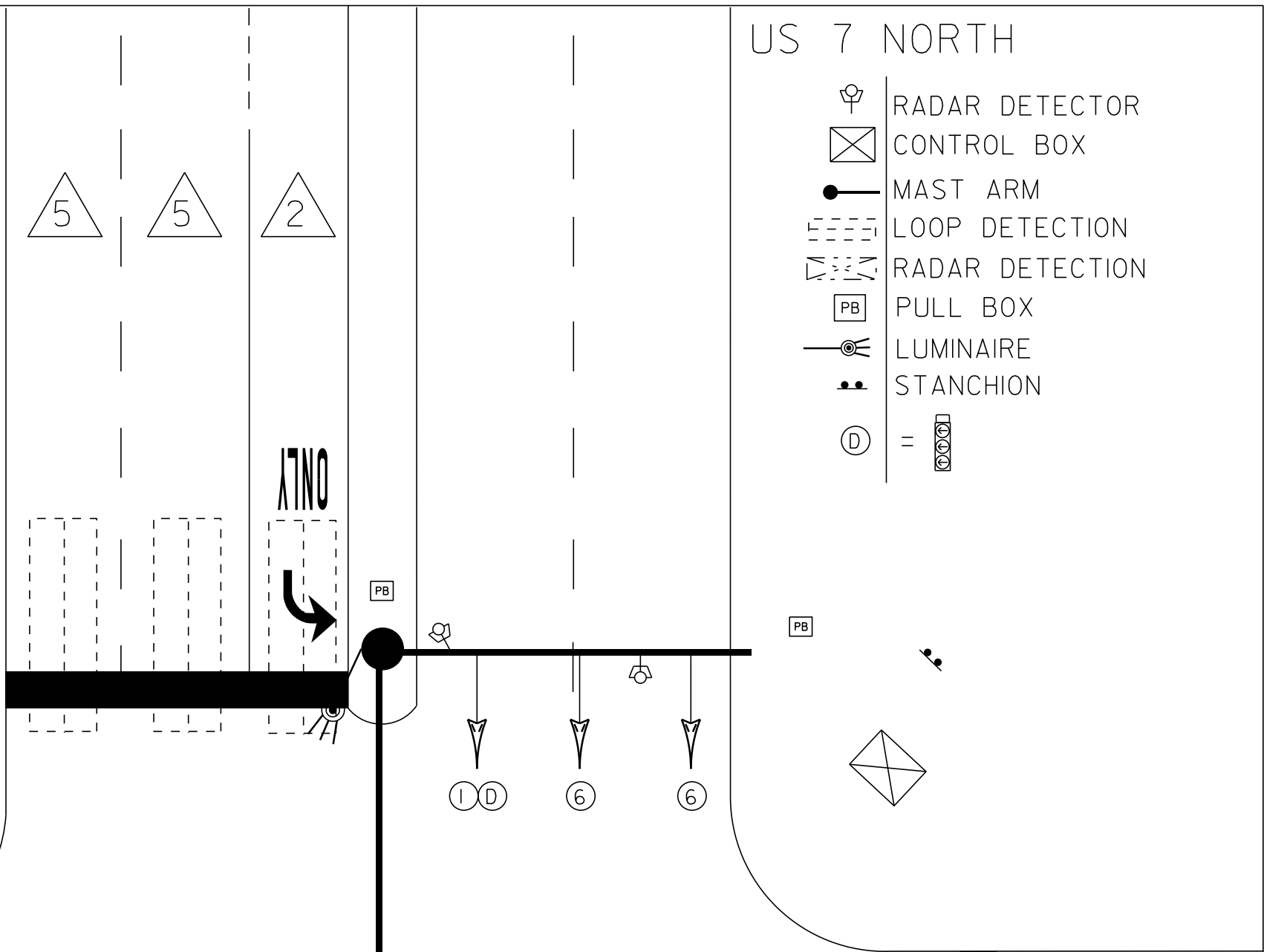
MS # 302



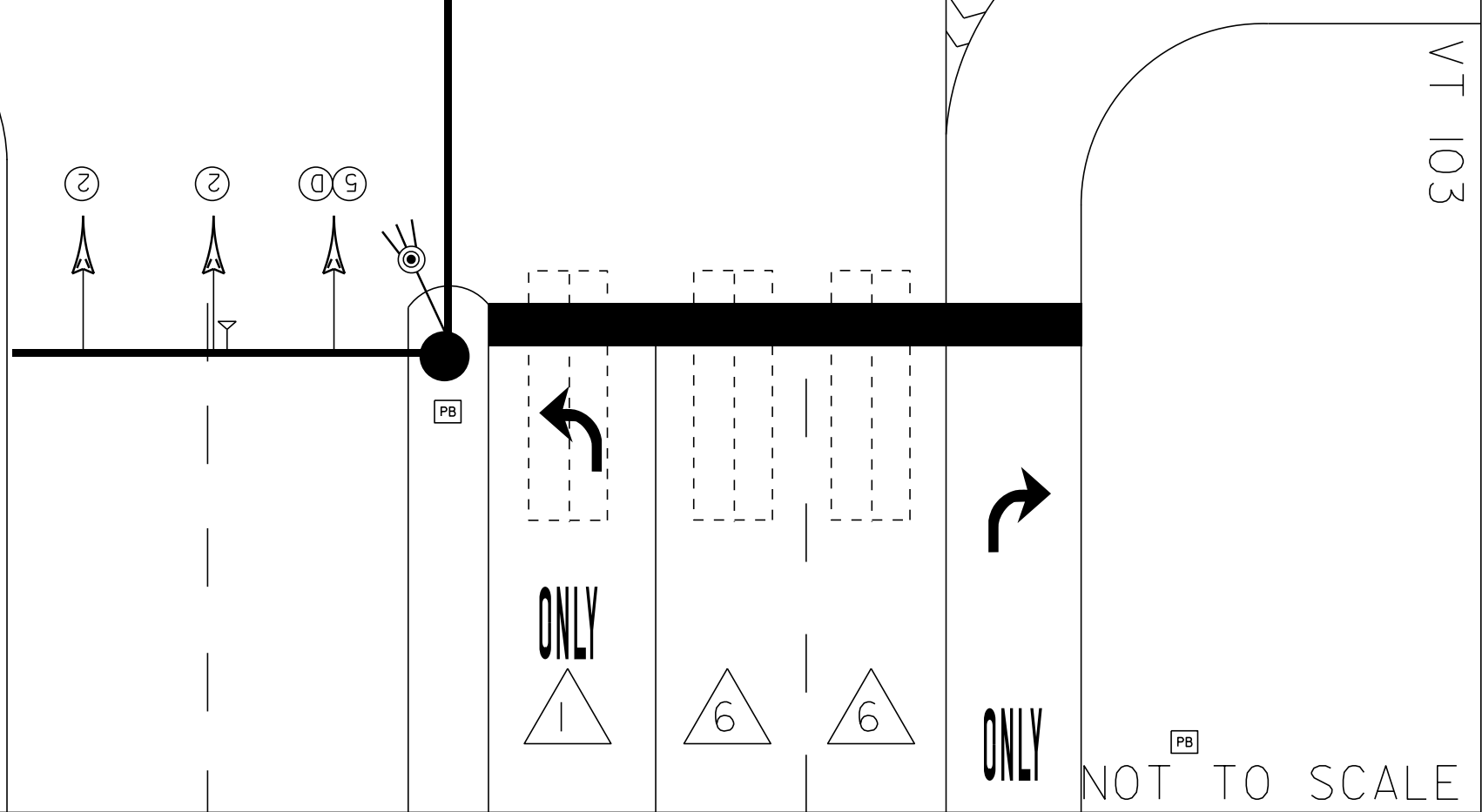
US 7 NORTH

- RADAR DETECTOR
- CONTROL BOX
- MAST ARM
- LOOP DETECTION
- RADAR DETECTION
- PULL BOX
- LUMINAIRE
- STANCHION
- =

SQUIRES ROAD



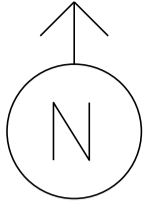
US 7 SOUTH



VT 103

NOT TO SCALE

MS # 302



SQUIRES ROAD

12'

12'

12'

LANE LINE 295'

ONLY



STOP BAR 35'

12'

12'

US 7 NORTH

14'

STOP BAR 13'

13'

16'

STOP BAR 30'

12'

12'

VT 103

STOP BAR 36'

12'

12'

12'

12'

12'

12'



ONLY

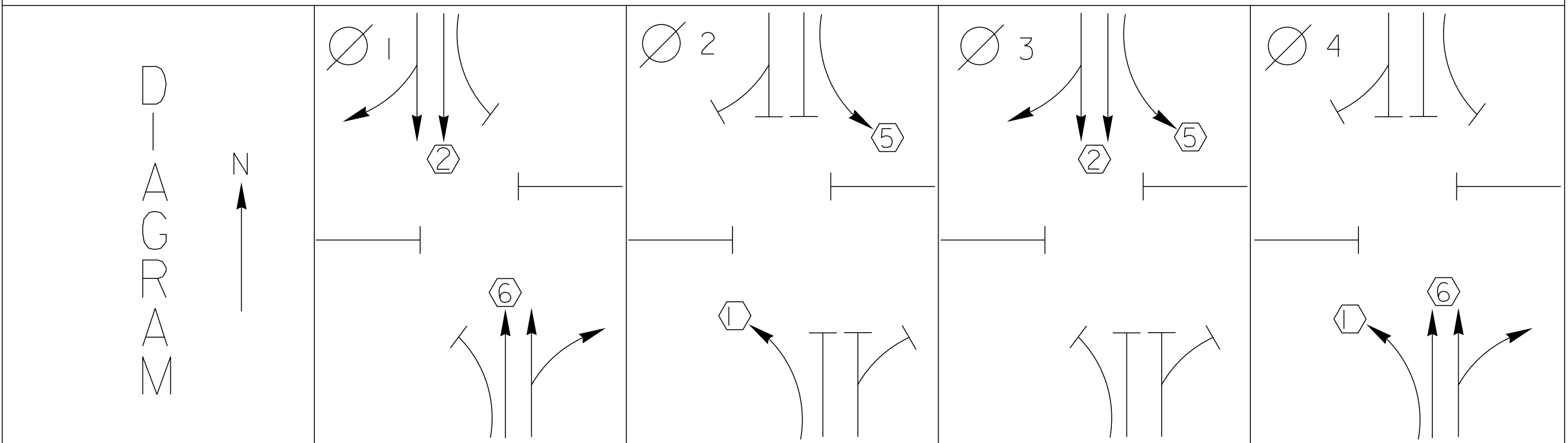
LANE LINE 250'



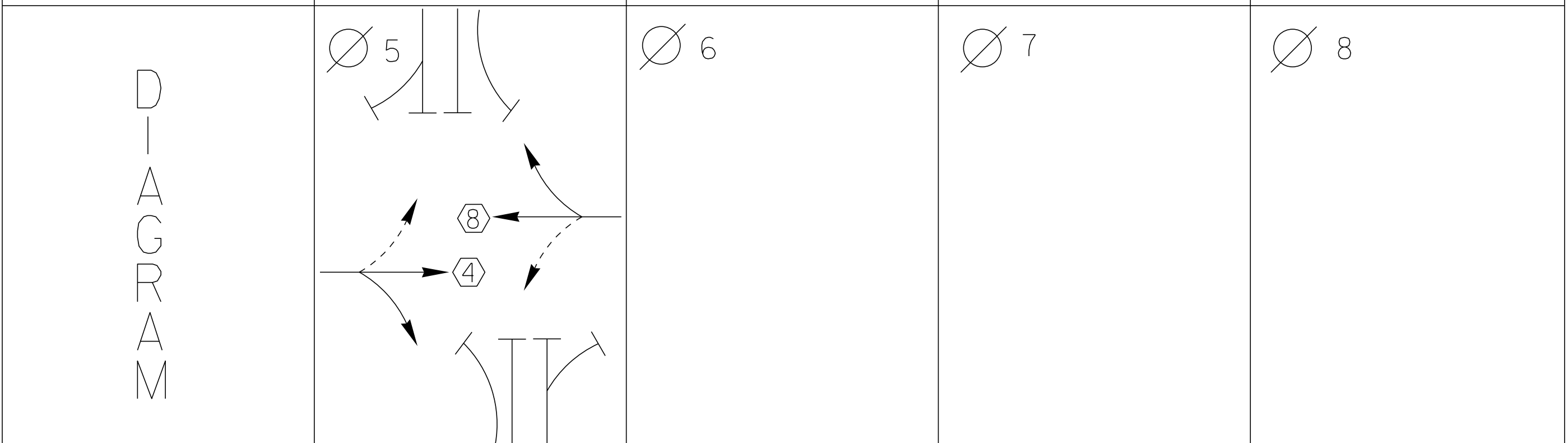
ONLY

US 7 SOUTH

NOT TO SCALE



TIMING	G = Y =	G = Y =	G = Y =	G = Y =
--------	------------	------------	------------	------------



TIMING	G = Y =	G = Y =	G = Y =	G = Y =
--------	------------	------------	------------	------------

 PROTECTED TURNS	 PERMITTED TURNS PEDESTRIAN	CYCLE LENGTH, C = _____ S
---	---	---------------------------



PROPERTY OF :

VT. AGENCY OF TRANS.  
MAINTENANCE DIV.

IN EMERGENCY CALL :

DIST. TRANS. OFFICE

802-786-5826

NIGHTS & WEEKENDS : 802-250-0163

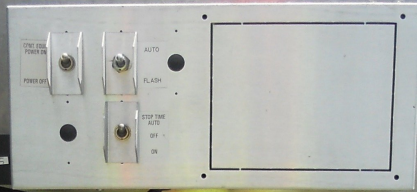
INTERSECTION NO. MS-302

**DANGER**

115 VOLTS A.C.

**WARNING**

DO NOT OPERATE  
CABINET WITHOUT  
CMU / MMU



ECONOLITE

ACTIVATED  
OCT 14, 2005



ACTIVATED

OCT 14, 2005

Alt  
Handley

VEHICLE LOOP DETECTORS

170+70.3	LT	(6X6)	LOOP 6C
170+70.3	RT	(6X6)	LOOP 6A
172+55.8	LT	(6X6)	LOOP 6D
172+55.8	RT	(6X6)	LOOP 6B
175+45.3	LT	(6X40)	LOOP 1
176+13.0	LT	(6X40)	LOOP 4 (SQUIRE RD)
176+36.0	RT	(6X40)	LOOP 8 (VT103)
176+99.0	LT	(6X40)	LOOP 5
179+33.0	LT	(6X6)	LOOP 2B
179+33.0	LT	(6X6)	LOOP 2D
181+09.0	LT	(6X6)	LOOP 2A
181+09.0	LT	(6X6)	LOOP 2C

PULL BOX(ES)

170+81.3	RT	(PB*8)
172+56.3	RT	(PB*7)
175+66.0	LT	(PB*6)
176+88.5	LT	(PB*3)
176+88.5	LT	(PB*2)
176+88.5	LT	(PB*1)
179+31.0	LT	(PB*4)
181+07.0	LT	(PB*5)

REMOVE EXISTING STRAIN POLES AND HARDWARE

175+87.7	LT
176+65.0	RT

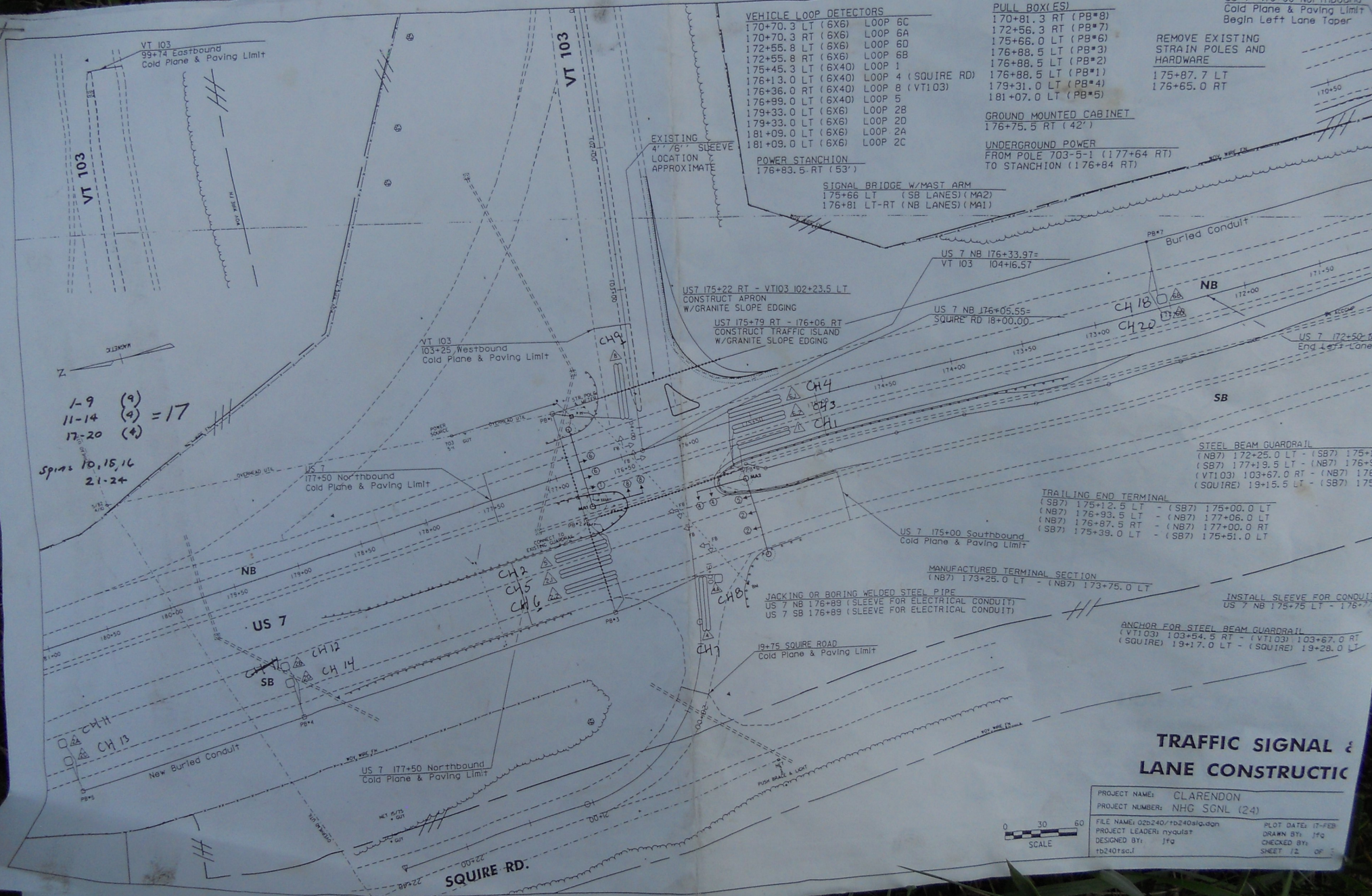
GROUND MOUNTED CABINET  
176+76.5 RT (42')

UNDERGROUND POWER  
FROM POLE 703-5-1 (177+64 RT)  
TO STANCHION (176+84 RT)

POWER STANCHION  
176+83.5 RT (53')

SIGNAL BRIDGE W/MAST ARM  
175+66 LT (SB LANES) (MA2)  
176+81 LT-RT (NB LANES) (MA1)

US 7 170+00 Northbound  
Cold Plane & Paving Limit  
Begin Left Lane Taper



1-9 (9)  
11-14 (9) = 17  
17-20 (4)  
Spins 10, 15, 16  
21-24

STEEL BEAM GUARDRAIL  
(NB7) 172+25.0 LT - (SB7) 175+12.0  
(SB7) 177+93.5 LT - (NB7) 176+93.0  
(VT103) 103+67.0 RT - (NB7) 176+50.0  
(SQUIRE) 19+15.5 LT - (SB7) 175+50.0

TRAILING END TERMINAL  
(SB7) 175+12.5 LT - (SB7) 175+00.0 LT  
(NB7) 176+93.5 LT - (NB7) 177+06.0 LT  
(NB7) 176+87.5 RT - (NB7) 177+00.0 RT  
(SB7) 175+39.0 LT - (SB7) 175+51.0 LT

MANUFACTURED TERMINAL SECTION  
(NB7) 173+25.0 LT - (NB7) 173+75.0 LT

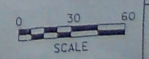
JACKING OR BORING WELDED STEEL PIPE  
US 7 NB 176+89 (SLEEVE FOR ELECTRICAL CONDUIT)  
US 7 SB 176+89 (SLEEVE FOR ELECTRICAL CONDUIT)

INSTALL SLEEVE FOR CONDUIT  
US 7 NB 176+75 LT - 176+75

ANCHOR FOR STEEL BEAM GUARDRAIL  
(VT103) 103+54.5 RT - (VT103) 103+67.0 RT  
(SQUIRE) 19+17.0 LT - (SQUIRE) 19+28.0 LT

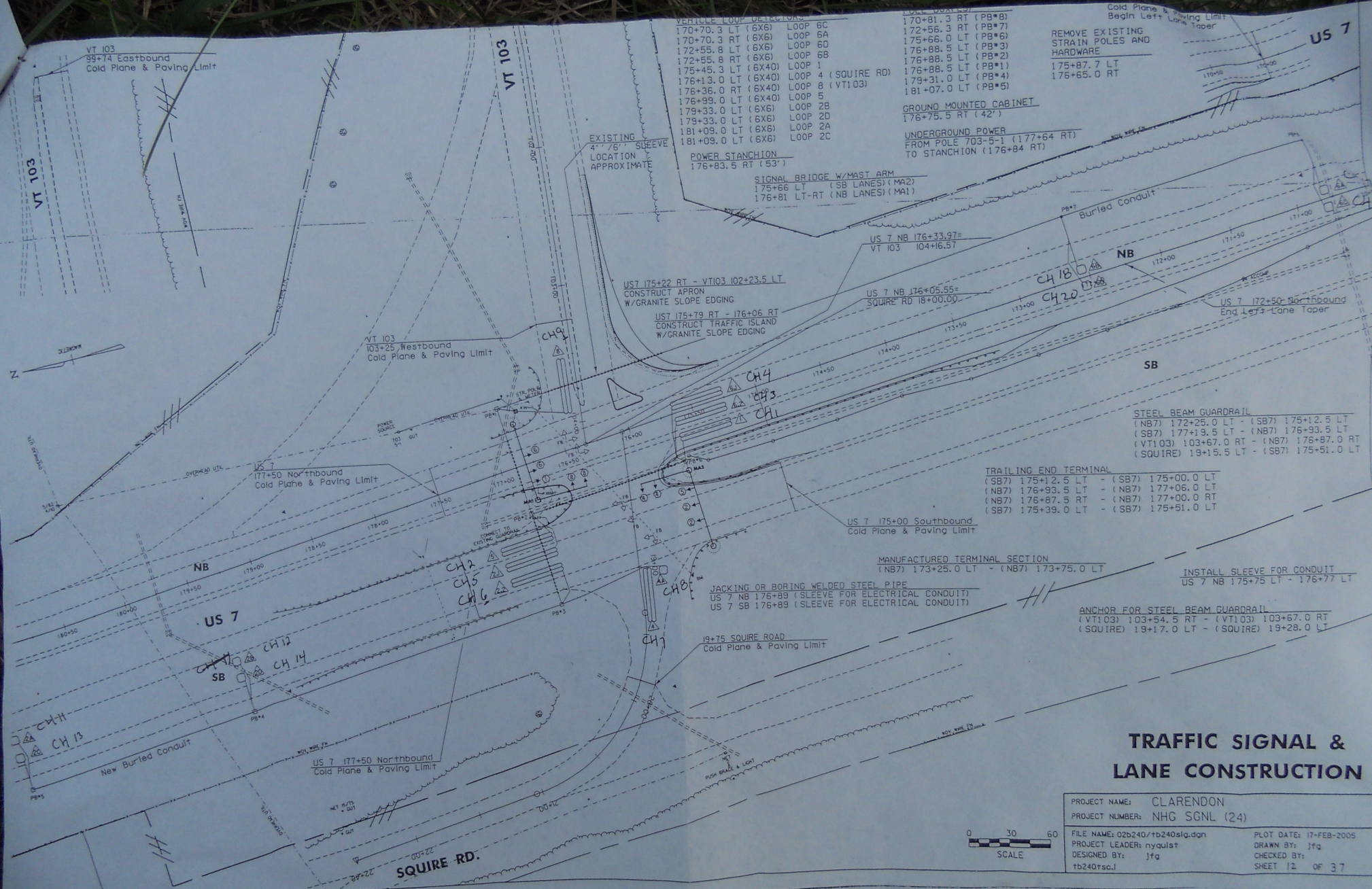
TRAFFIC SIGNAL & LANE CONSTRUCTIC

PROJECT NAME: CLARENDON  
PROJECT NUMBER: NHG SGNL (24)



FILE NAME: 029240\1b240sig.dgn  
PROJECT LEADER: nyquist  
DESIGNED BY: Jfg  
1b2401sc.f

PLOT DATE: 17-FEB  
DRAWN BY: Jfg  
CHECKED BY:  
SHEET 12 OF 15



VEHICLE LOOP DETECTORS

170+70.3 LT (6X6)	LOOP 6C
170+70.3 RT (6X6)	LOOP 6A
172+55.8 LT (6X6)	LOOP 6D
172+55.8 RT (6X6)	LOOP 6B
175+45.3 LT (6X40)	LOOP 1
176+13.0 LT (6X40)	LOOP 4 (SQUIRE RD)
176+36.0 RT (6X40)	LOOP 8 (VT103)
176+99.0 LT (6X40)	LOOP 5
179+33.0 LT (6X40)	LOOP 2B
179+33.0 LT (6X6)	LOOP 2D
181+09.0 LT (6X6)	LOOP 2A
181+09.0 LT (6X6)	LOOP 2C

POLE DETAIL

170+81.3 RT (PB*8)
172+56.3 RT (PB*7)
175+66.0 LT (PB*6)
176+88.5 LT (PB*3)
176+88.5 LT (PB*2)
176+88.5 LT (PB*1)
179+31.0 LT (PB*4)
181+07.0 LT (PB*5)

Cold Plane & Paving Limit  
Begin Left Lane Taper

REMOVE EXISTING STRAIN POLES AND HARDWARE

175+87.7 LT
176+65.0 RT

GROUND MOUNTED CABINET  
176+75.5 RT (42')

UNDERGROUND POWER  
FROM POLE 703-5-1 (177+64 RT)  
TO STANCHION (176+84 RT)

SIGNAL BRIDGE W/MAST ARM  
175+66 LT (SB LANES) (MA2)  
176+81 LT-RT (NB LANES) (MA1)

EXISTING 4" / 6" SLEEVE  
LOCATION APPROXIMATE

POWER STANCHION  
176+83.5 RT (53')

US 7 175+22 RT - VT103 102+23.5 LT  
CONSTRUCT APRON  
W/GRANITE SLOPE EDGING

US 7 175+79 RT - 176+06 RT  
CONSTRUCT TRAFFIC ISLAND  
W/GRANITE SLOPE EDGING

US 7 NB 176+33.97=  
VT 103 104+16.57

US 7 NB 176+05.55=  
SQUIRE RD 18+00.00

US 7 172+50 Northbound  
End Left Lane Taper

STEEL BEAM GUARDRAIL  
(NB7) 172+25.0 LT - (SB7) 175+12.5 LT  
(SB7) 177+9.5 LT - (NB7) 176+93.5 LT  
(VT103) 103+67.0 RT - (NB7) 176+87.0 RT  
(SQUIRE) 19+15.5 LT - (SB7) 175+51.0 LT

TRAILING END TERMINAL  
(SB7) 175+12.5 LT - (SB7) 175+00.0 LT  
(NB7) 176+93.5 LT - (NB7) 177+06.0 RT  
(NB7) 176+87.5 RT - (NB7) 177+00.0 RT  
(SB7) 175+39.0 LT - (SB7) 175+51.0 LT

US 7 175+00 Southbound  
Cold Plane & Paving Limit

MANUFACTURED TERMINAL SECTION  
(NB7) 173+25.0 LT - (NB7) 173+75.0 LT

JACKING OR BORING WELDED STEEL PIPE  
US 7 NB 175+89 (SLEEVE FOR ELECTRICAL CONDUIT)  
US 7 SB 176+89 (SLEEVE FOR ELECTRICAL CONDUIT)

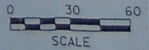
INSTALL SLEEVE FOR CONDUIT  
US 7 NB 175+75 LT - 176+77 LT

ANCHOR FOR STEEL BEAM GUARDRAIL  
(VT103) 103+54.5 RT - (VT103) 103+67.0 RT  
(SQUIRE) 19+17.0 LT - (SQUIRE) 19+28.0 LT

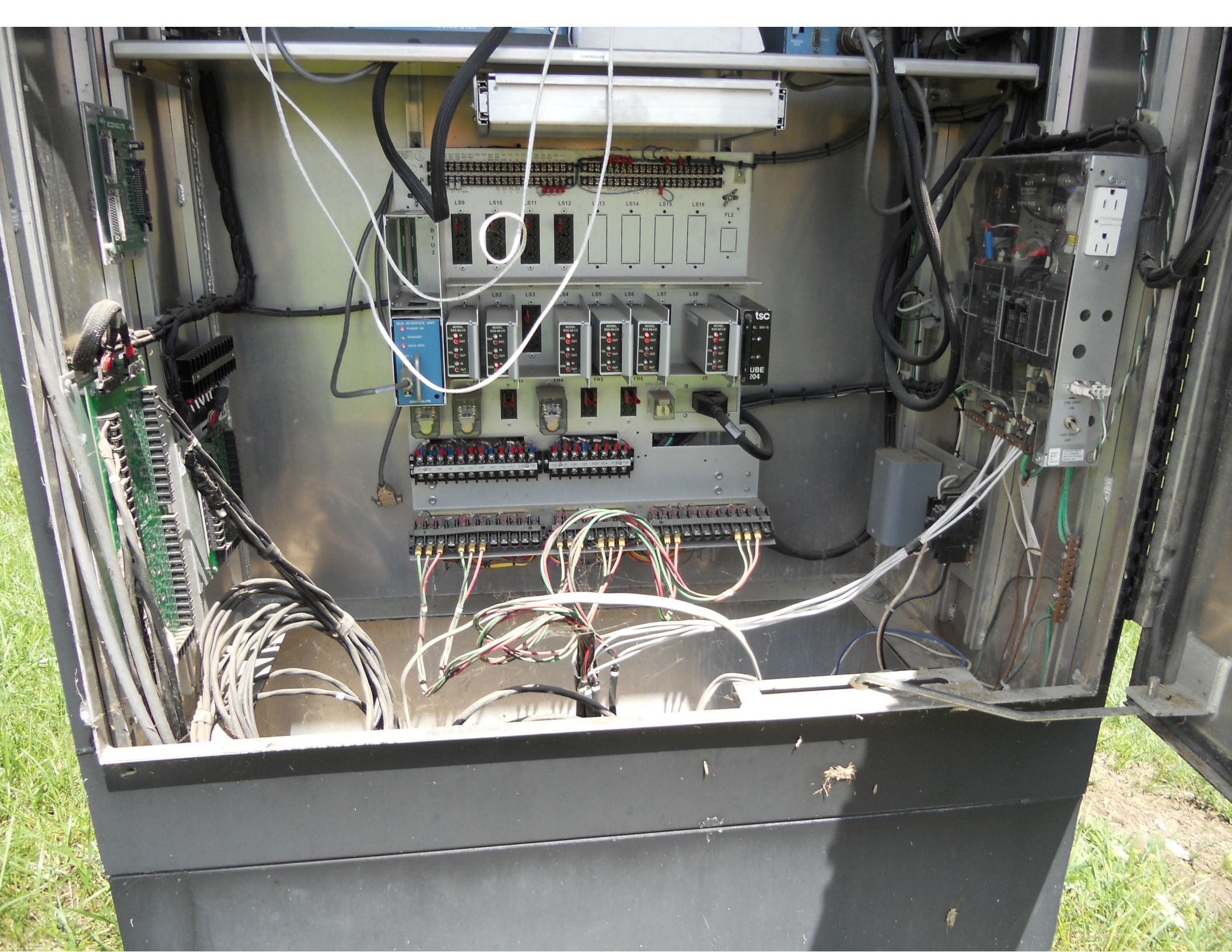
19+75 SQUIRE ROAD  
Cold Plane & Paving Limit

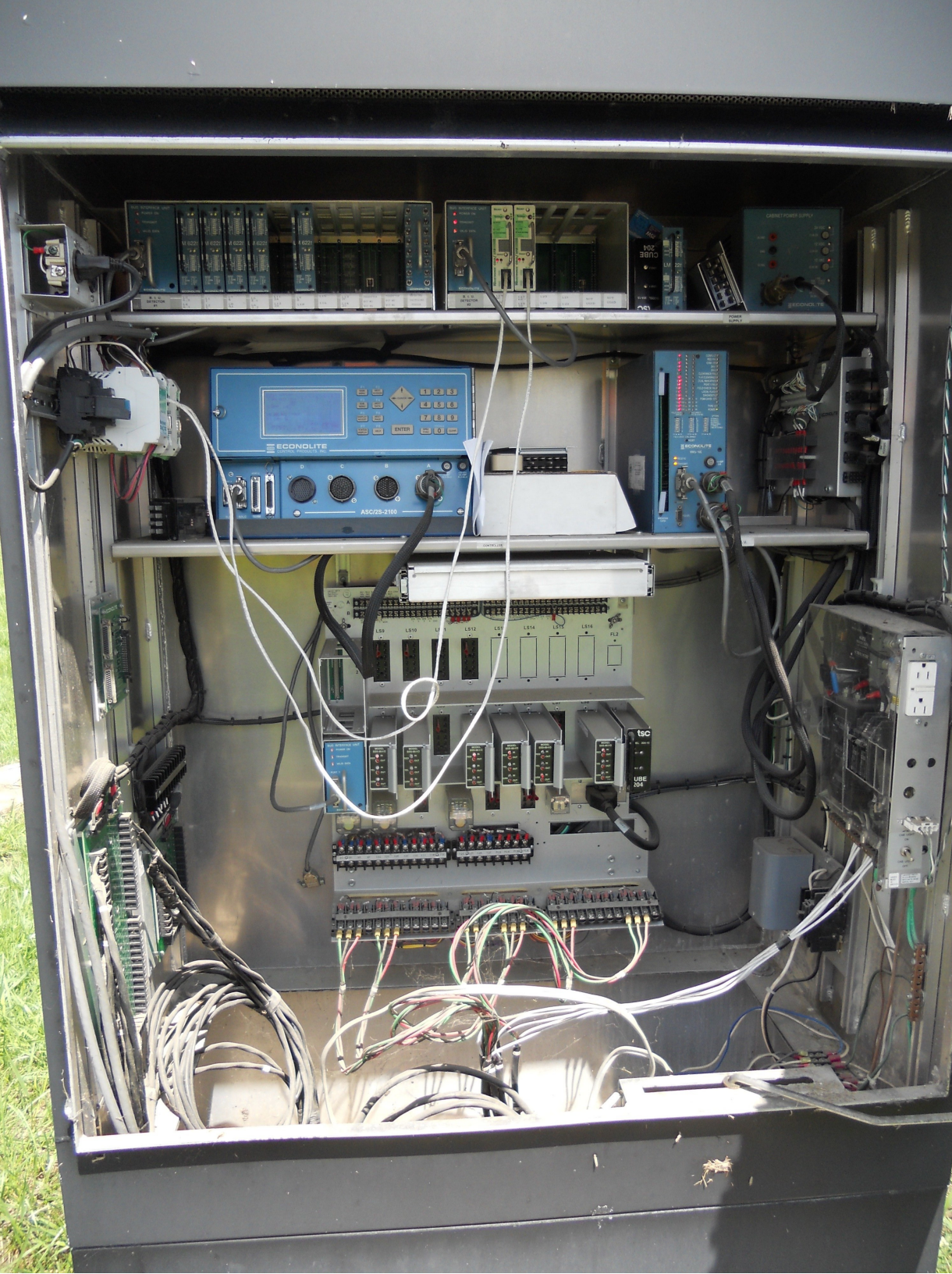
## TRAFFIC SIGNAL & LANE CONSTRUCTION

PROJECT NAME:	CLARENDON	PLLOT DATE:	17-FEB-2005
PROJECT NUMBER:	NHG SGNL (24)	DRAWN BY:	Jfg
FILE NAME:	02b240/tb240slg.dgn	CHECKED BY:	
PROJECT LEADER:	nyquist	SHEET	12 OF 37
DESIGNED BY:	Jfg		
tb240tsc.l			









DET. SW. MODULE

DET 1, DET 9, DET 10, DET 11, DET 12, DET 13, DET 14, DET 7, DET 15, DET 8, DET 16

ECONOLITE

DETECTOR SWITCHING MODULE

BUS INTERFACE UNIT

POWER ON, TRANSMIT, VALID DATA

PORT 1

ECONOLITE

SELECT

Settings

MODE  
Pv Presence  
Pu Pulse  
Ac Actuation  
Tl One loop speed

LANE  
Select 1-8

RUN SETTING  
Sp Speed  
Co Count  
Lp Low power

Channel

1 2

RS-485

WAVETRONIX Click! 172

MADE IN THE U.S.A.

SELECT

Settings

MODE  
Pv Presence  
Pu Pulse  
Ac Actuation  
Tl One loop speed

LANE  
Select 1-8

RUN SETTING  
Sp Speed  
Co Count  
Lp Low power

Channel

1 2

RS-485

WAVETRONIX Click! 172

MADE IN THE U.S.A.

B. I. U. DETECTOR #2

L17 6A, L18 6B

L23, L24

L21, L22

NOT USED

NOT USED

F1 MAIN MENU, F2 NEXT SCREEN

1, 2

25W

4 BE

304-15

SC

**DANGER / PELIGRO**  
HAZARD OF ELECTRICAL SHOCK OR BURN  
SERVICE BY UTILITY AUTHORIZED PERSONNEL ONLY  
DO NOT PAINT OVER OR REMOVE THIS LABEL  
PELIGRO DE DESCARGA ELECTRICA O QUEMADURA  
SERVICIO POR PERSONAL AUTORIZADO DE LA COMPAÑIA  
ELECTRICA. NO PINTAR NI QUITAR ESTA ETIQUETA.  
NO PINTAR EN CIMA NI REMOVER ESTA ETIQUETA.

elster

474673

elster  
TYPE R2SD  
Zigbee

# 6020048

1200 240V 5W 60Hz 18 25 Working Meter K810 TA 30  
LAN ID: 007-00003007  
ZZCWA00000 14  
M 1 1200

FLAP

COMMERCIAL

Master

**DANGER / PELIGRO**  
HAZARD OF ELECTRICAL SHOCK OR BURN  
SERVICE BY UTILITY AUTHORIZED PERSONNEL ONLY  
DO NOT PAINT OVER OR REMOVE THIS LABEL  
PELIGRO DE DESCARGA ELECTRICA O QUEMADURA  
SERVICIO POR PERSONAL AUTORIZADO DE LA COMPAÑIA  
ELECTRICA. NO PINTAR NI QUITAR ESTA ETIQUETA.  
NO PINTAR EN CIMA NI REMOVER ESTA ETIQUETA.





PARKING AREA  
1/4 MILE  
AHEAD



PARKING AREA  
3/4 MILE  
NO FACILITIES

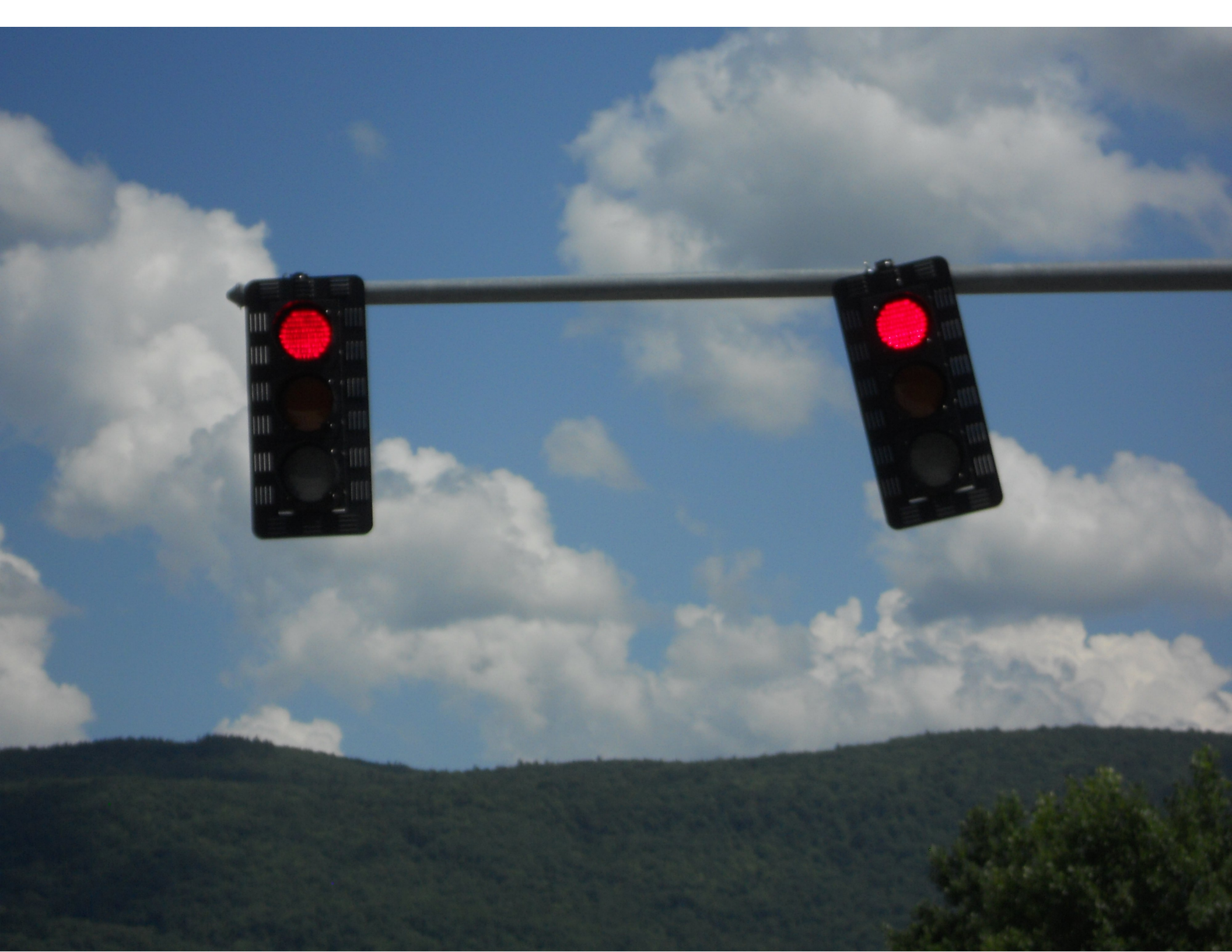
7



14.00" / 31.50"  
65KSI / 0.25"  
10" / 38" - 40" / 7 GA











NORTH SOUTH  
7 VERMONT 103  
↑ →

TRAFFIC LIGHTS

ONLY











DO NOT  
ENTER

LET US KNOW HOW  
WE CAN HELP



14.00" / 31.50"  
65KSI / 0.25"  
10" / 38" - 40" / 7 GA



SOUTH  
7  
←

NORTH  
7  
↗





SOUTH

END

7

VERMONT  
103

←



ONE WAY →

DIVIDED  
← →  
HIGHWAY

6070  
1189  
1115

NO U-TURN

NO LEFT TURN

NO LEFT TURN

NO LEFT TURN









NIC Program Steps

---

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO

TOD Program Steps

Step 1 Program 1 Step Begins 0600

Flash. . . . . Dimming Enable. . . . .
Red Rest . . . . . Alt Veh Extension . . . . .
Spare 5. . . . . Det Log Enable. . . . .
Spare 3. . . . . Spare 4 . . . . .
Type 0 Dly Enable. . . Spare 2 . . . . .
Det Diag Plan. . . . 0

Table with 12 columns (Phase Number) and 8 rows (Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, Special Function). All cells contain dots.

Alt Sequence . . . . . A B C D E F

Step 2 Program 1 Step Begins 0900

Flash. . . . . Dimming Enable. . . . .
Red Rest . . . . . Alt Veh Extension . . . . .
Spare 5. . . . . Det Log Enable. . . . .
Spare 3. . . . . Spare 4 . . . . .
Type 0 Dly Enable. . . Spare 2 . . . . .
Det Diag Plan. . . . 0

Table with 12 columns (Phase Number) and 8 rows (Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, Special Function). Max 2 Enable, Max 3 Enable, and Phase Omit have 'X' in columns 1-6.

Alt Sequence . . . . . A B C D E F

TOD Program Steps

Step 3 Program 1 Step Begins 1545

Flash. . . . . Dimming Enable. . . . .
Red Rest . . . . . Alt Veh Extension . . . . .
Spare 5. . . . . Det Log Enable. . . . .
Spare 3. . . . . Spare 4 . . . . .
Type 0 Dly Enable. . . Spare 2 . . . . .
Det Diag Plan. . . . 0

Table with 12 columns for Phase Number (1-12) and rows for Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, and Special Function.

Alt Sequence . . . . . A B C D E F

Step 4 Program 1 Step Begins 1800

Flash. . . . . Dimming Enable. . . . .
Red Rest . . . . . Alt Veh Extension . . . . .
Spare 5. . . . . Det Log Enable. . . . .
Spare 3. . . . . Spare 4 . . . . .
Type 0 Dly Enable. . . Spare 2 . . . . .
Det Diag Plan. . . . 0

Table with 12 columns for Phase Number (1-12) and rows for Max 2 Enable, Max 3 Enable, Veh Recall, Veh Max Recall, Ped Recall, Cond Service Inhibit, Phase Omit, and Special Function.

Alt Sequence . . . . . A B C D E F