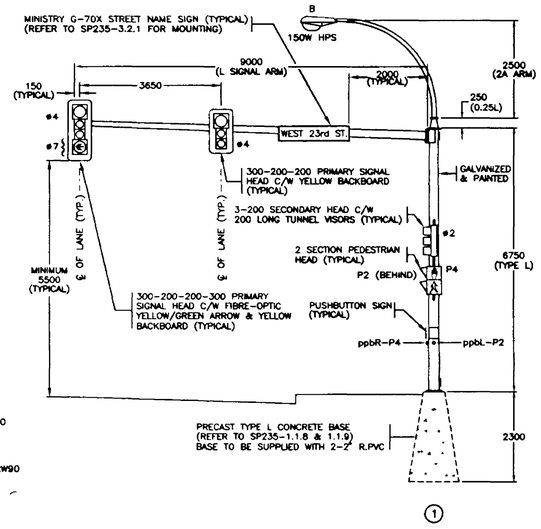
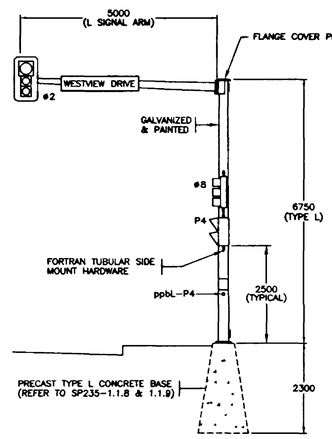
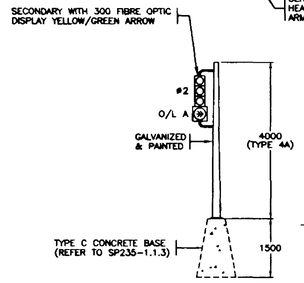
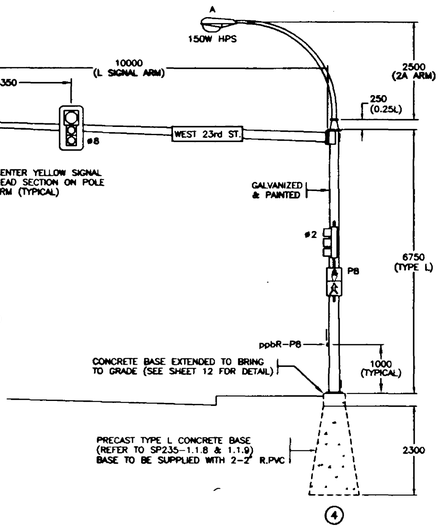
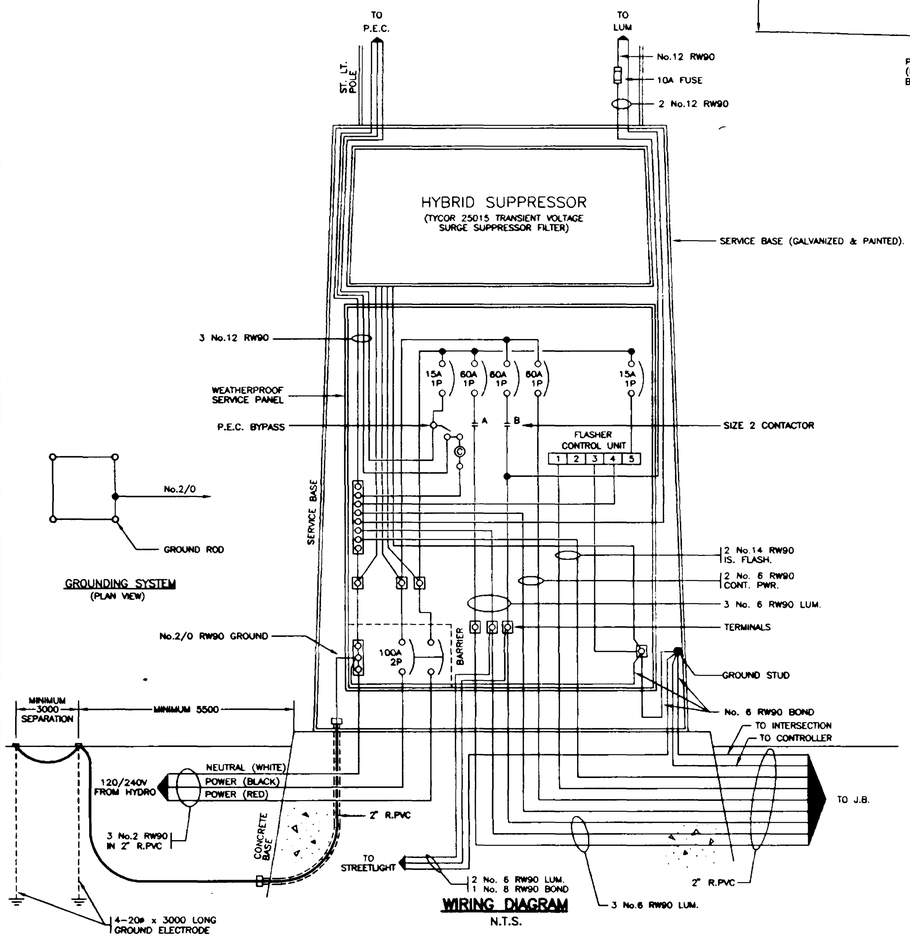








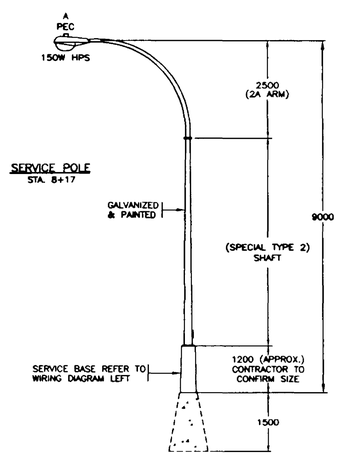
ELEVATIONS
1:75

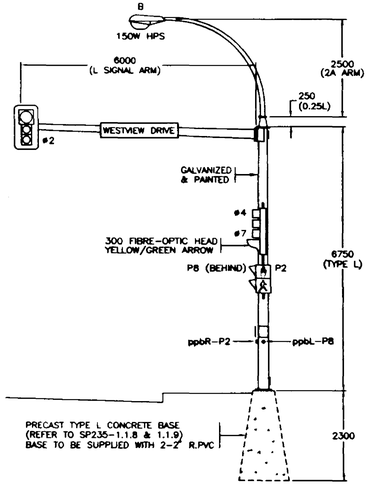


WIRING DIAGRAM
N.T.S.

EQUIPMENT LIST

ITEM	SPECIFICATION	EXCEPTIONS
SIGNAL POLES	MINISTRY	POLES SHALL BE SUPPLIED GALVANIZED & PRIME PAINTED WITH CEMENTITIOUS FINISH PAINT AFTER ERECTION (2 COATS)
LUMINAIRE POLES	MINISTRY	POLES SHALL BE SUPPLIED GALVANIZED & PRIME PAINTED WITH CEMENTITIOUS FINISH PAINT AFTER ERECTION (2 COATS)
ANCHOR BOLTS	MINISTRY	
CONCRETE POLE BASES	MINISTRY	ADJUST ANCHOR BOLT SPACING. SIZE & NUMBER OF CONDUITS TO SUIT
CONCRETE CONTROLLER BASE	1996 MASTER MUNICIPAL SPECIFICATION	
LUMINAIRES, LAMPS, PHOTOCELLS	MINISTRY	
POST MOUNTED FLASHERS	MINISTRY	
SIGNAL HEADS & LAMPS	MINISTRY	
SIGNAL HEAD SIDE MOUNT HARDWARE	1996 MASTER MUNICIPAL SPECIFICATION	SIDE MOUNT HEADS SHALL BE BANDED TO POLE. FORTRAN 'PIPE' TYPE SIDE MOUNT HAREWARE
CONTROLLER	CITY OF N. VANCOUVER	8ø FORTRAN MODEL (REFER TO FORTRAN QUOTE)
SERVICE PANEL		WESTCOAST ELECTRIC TYPE
SERVICE BASE	1996 MASTER MUNICIPAL SPECIFICATION	MAKE APPROXIMATELY 300mm TALLER TO ACCOMMODATE HYBRID SUPPRESSOR
SIGNAL CABLE	-	IMSA 19-1
PUSHBUTTON & SIGN	1996 MASTER MUNICIPAL SPECIFICATION	CANADIAN WORLD TRADING RETROFIT PALM BUTTON UNIT
OVERHEAD SIGNAL HEAD MOUNTING BRACKETS	-	FORTRAN "SKY BRACKET"
FIBRE OPTIC ARROW	MINISTRY	
JUNCTION BOXES	MINISTRY	USE LARGE ROUND PLASTIC JUNCTION BOX (WESTCOAST ENG. TYPE) WITH PLASTIC LID.





97-12-12

REFER TO SHEET 12 FOR NOTES

LEGEND

- PROPOSED CONCRETE BASE WITH FUTURE LUMINAIRE POLE
- CONCRETE BASE AND JUNCTION BOX
- 10 JUNCTION BOX – No. DENOTES TYPE
- F LUMINAIRE POLE (SINGLE) 'F' DENOTES FRANGIBLE BASE 'B' DENOTES BREAKAWAY BASE
- DOUBLE LUMINAIRE POLE
- POST TOP MOUNTED LUMINAIRE
- TRAFFIC SIGNAL POLE WITH DAVIT AND SIDE OF POLE MOUNTED HEADS
- COMBINATION LUMINAIRE/DAVIT MOUNTED TRAFFIC SIGNAL POLE
- POST TOP MOUNTED SIGNAL

- EXISTING CONCRETE BASE WITH PROPOSED LUMINAIRE POLE
- CITY OR DISTRICT OF NORTH VANCOUVER LUMINAIRE POLE
- DAVIT MOUNTED ILLUMINATED SIGN POLE WITH AMBER FLASHERS
- COMBINATION LUMINAIRE/DAVIT MOUNTED ILLUMINATED SIGN WITH AMBER FLASHERS
- DAVIT MOUNTED SIGN (NON-ILLUMINATED)
- DAVIT MOUNTED ILLUMINATED SIGN POLE
- COMBINATION LUMINAIRE/DAVIT MOUNTED NON-ILLUMINATED SIGN POLE
- BREAKAWAY SIGN (NON-ILLUMINATED)
- ILLUMINATED BREAKAWAY SIGN

- PROPOSED CONCRETE BASE WITH PROPOSED LUMINAIRE POLE
- PEC PHOTO ELECTRIC CELL
- RPVC RIGID P.V.C. CONDUIT
- R.M.C RIGID METALLIC CONDUIT
- F.M.C. FLEXIBLE METALLIC CONDUIT (LIQUID TIGHT)
- OVERHEAD FLASHING BEACON
- POST MOUNTED FLASHER
- BACKGUY
- POWER POLE
- TELEPHONE POLE
- POWER/TELEPHONE POLE

- TEST SWITCH
- 1P 2P BREAKER
- NEUTRAL BAR
- VEHICLE DETECTOR LOOP
- A,B,A1,A2,ETC. SIGNAL HEAD VEHICLE PHASE
- PA,PB,PA1,PB2,ETC. SIGNAL HEAD PEDESTRIAN PHASE
- ppb PEDESTRIAN PUSHBUTTON
- —G— U/G UTILITY
  - 'G' DENOTES GAS
  - 'S' DENOTES STORM DRAINS/SEWERS
  - 'W' DENOTES WATER
  - 'UE' DENOTES ELECTRIC
  - 'UT' DENOTES TELEPHONE
  - 'SAN' DENOTES SANITARY SEWER

- RAISED CURB
- PROPERTY LINE
- EDGE OF GRAVEL SHOULDER
- EDGE OF PAVEMENT
- PAINT LINE
- PROPOSED UNDERGROUND CONDUIT
- EXISTING UNDERGROUND CONDUIT
- FENCE
- CORRUGATED METAL PIPE (CULVERT)
- RETAINING WALL
- SOUND WALL
- CONCRETE ROADSIDE OR MEDIAN BARRIER
- No.8 2 No.8 RW90 & 1 No.8 RW90 BOND (CITY & DISTRICT OF NORTH VANCOUVER) OR 1 No.12 RW90 BOND (MINISTRY) IN CONDUIT
- No.8 3 No.8 RW90 & 1 No.8 RW90 BOND (CITY & DISTRICT OF NORTH VANCOUVER) OR 1 No.12 RW90 BOND (MINISTRY) IN CONDUIT

WALTER & SCI Construction (Canada) Ltd.

SHAFLIK ENGINEERING LTD.
ELECTRICAL CONSULTANTS
202-8525 BAXTER PLACE, BURNABY, BC V5A 4V7 TEL: 604-421-4125 FAX: 604-421-8344

ELECTRICAL DESIGN APPROVED ____ DATE ____ DESIGNED D.S.M. DATE NOV95
SCALE AS NOTED VOLTAGE 120/240
HWY. DISTRICT HOWE SOUND CHECKED D.J.W. DATE 96-12-20

REV	DATE	DESCRIPTION	CONS	QC/QA
A	96-05-16	SIGNAL PHASING REVISED	D.S.M.	R.J.
B	97-07-29	RECORD DRAWING		

REVISIONS

CITY OF NORTH VANCOUVER TRAFFIC SIGNAL

Province of British Columbia
MINISTRY OF TRANSPORTATION AND HIGHWAYS
WESTVIEW INTERCHANGE DESIGN BUILD

SIGNALS, LIGHTING AND DIRECTIONAL SIGNING INSTALLATION
HOWE SOUND DISTRICT – HIGHWAY No.1
UPPER LEVELS HIGHWAY / WESTVIEW DRIVE INTERCHANGE
NORTH VANCOUVER

WIRING DIAGRAM – ELEVATIONS – DETAILS

Ministry of Transportation and Highways South Coast Regional Office 7818 – 6th Street Burnaby, BC V3N 4N8	PREPARED UNDER THE DIRECTION OF ORIGINAL SIGNED BY D. J. WONG CONSULTANT DATE 96-02-14	ACCEPTED FOR CONSTRUCTION ORIGINAL SIGNED BY A. JACK GC/QA MANAGER DATE 96-02-16
SHEET No. SHEET 13 OF 22	PROJECT No. 06838	REG. 1 DRAWING No. TE-95094-13 B

CANCEL PRINTS BEARING PREVIOUS LETTER

HEB(702-94)