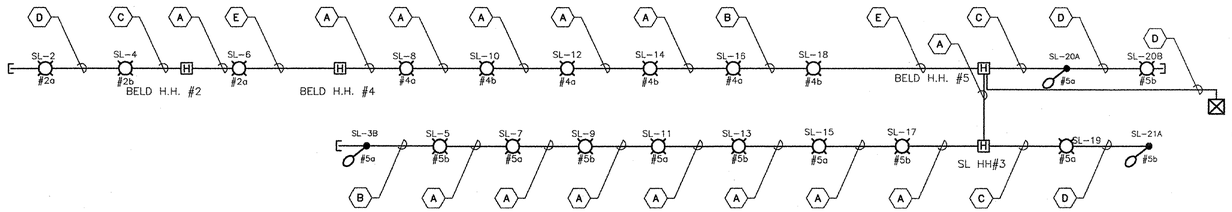

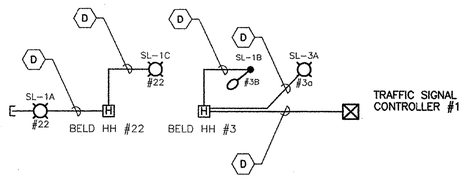

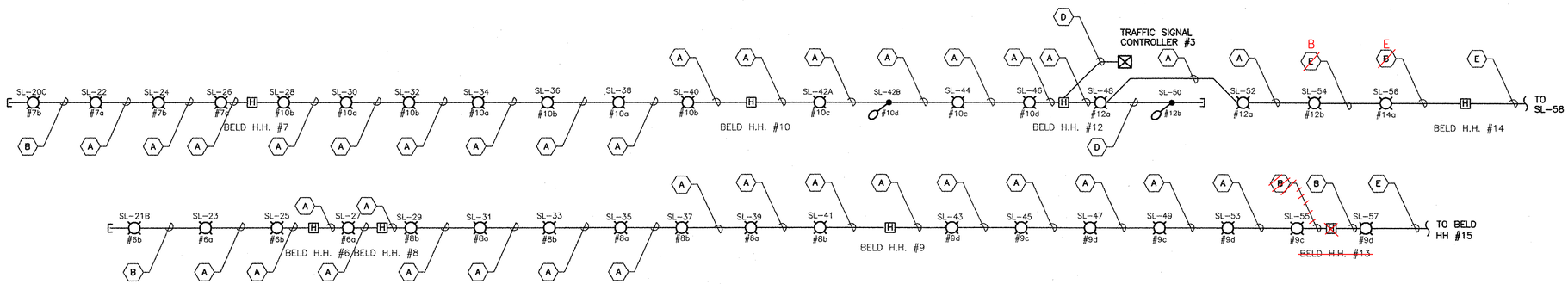

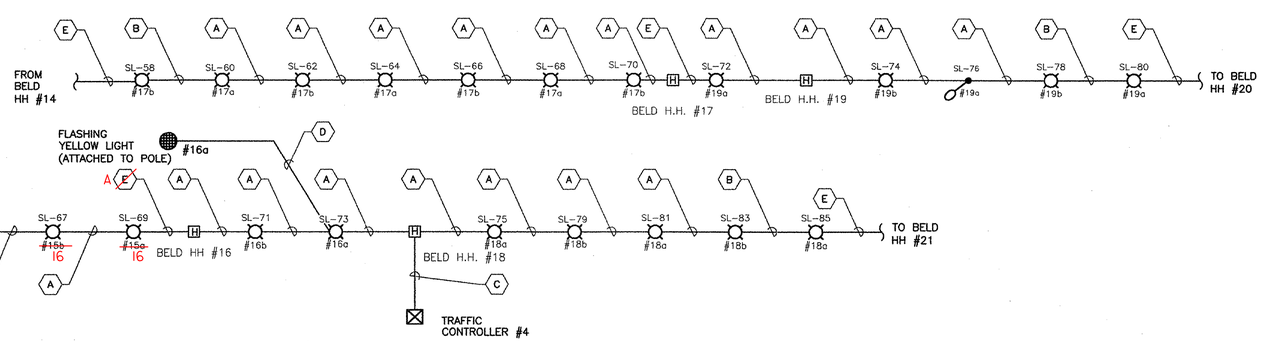

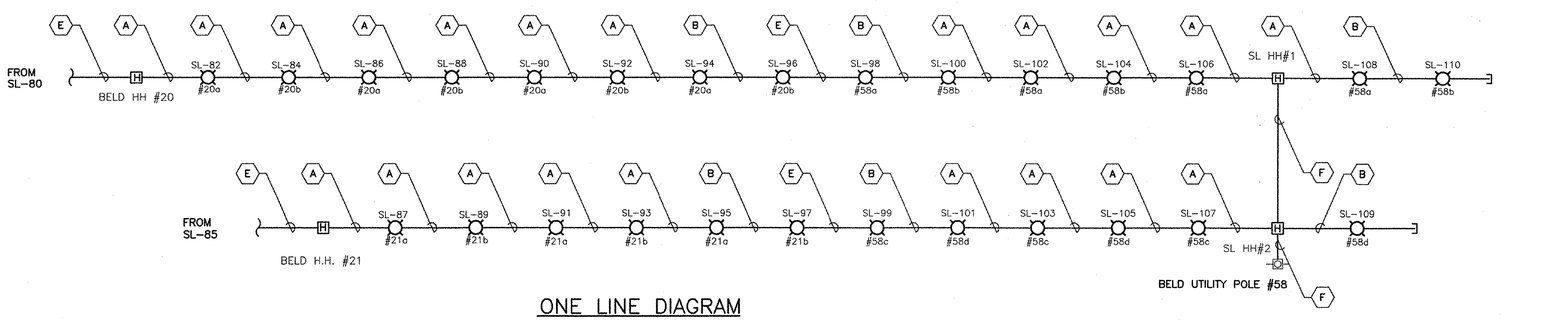

ONE LINE DIAGRAM

CONDUIT & CONDUCTOR SCHEDULE		
KEY	CONDUIT SIZE	CONDUCTORS
A	2"	3#2, 1#2G
B	2"	2#2, 1#2G
C	2"	3#8, 1#8G
D	2"	2#8 1#4G
E	2"	EMPTY CONDUIT
F	3"	3#2/0, 1#2G
	SEE UNDERGROUND UTILITY DRAWING	

GENERAL NOTES:

1. ALL CONDUITS SHALL BE TYPE PVC, SCHEDULE 40.
2. MAXIMUM OF 270° IN TOTAL BENDS PERMITTED IN SINGLE RUN OF CONDUIT.
3. STREET LIGHTS SHALL BE FUSED AT BASE WITH Y-TYPE FUSE KIT (EQUAL TO HOMAC [FLOOD SEAL] FYC-6 AND 10 AMP FUSE.
4. CIRCUIT CONDUCTORS INCLUDING NEUTRAL CONDUCTOR SHALL BE CLEARLY IDENTIFIED BY CORROSION RESISANT TAGS INDICATING CIRCUIT NUMBER AND SOURCE AT EVERY POLE BASE, JUNCTION BOX, HANDHOLE, AND TRANSFORMER.
5. BELD SHALL MAKE ALL CONNECTIONS AT BELD HAND HOLES, AND UTILITY POLES.
6. THE CONTRACTOR SHALL PROVIDE 24" CABLE SLACK AT ALL CONNECTION POINTS, UNLESS OTHERWISE NOTED.
6. ALL CONDUCTOR CONNECTIONS IN HAND HOLES SHALL BE MADE BY BELD, WITH INSULATED WATER PROOF MECHANICAL SCREW-TYPE CONNECTORS. NO BARE OR COMPRESSION TYPE CONNECTORS MAY BE USED.
7. HORIZONTAL 90° CONDUIT BENDS SHALL HAVE A MINIMUM RADIUS OF 36".
8. UTILITY SHALL MAINTAIN 120VAC AT THE RESPECTIVE HANDHOLES WHEN THE CIRCUITS ARE FULLY LOADED.
9. TYPE A STREETLIGHTS INPUT WATTS: 300W
   TYPE B STREETLIGHTS INPUT WATTS: 300W

PARTIAL LEGEND

- ⊠ — TRAFFIC CONTROLLER. PROVIDED BY TRAFFIC SIGNAL CONTRACTOR
- SL-56 — STREETLIGHT ID NO.
- #17b — TYPE 'A' STREET LIGHTS; #XX a,b,c,d INDICATES CIRCUIT NUMBER
- BELD HH. #XX — HANDHOLE, PROVIDED BY BELD.
- SL HH#X — STREET LIGHTING HANDHOLE
- FLASHING YELLOW LIGHT, PROVIDED BY CITY OF BURLINGTON.
- KEY INDICATES STREETLIGHTING CONDUIT AND CONDUCTOR
- 2" CONDUIT SWEEP WITH CAP
- SL-1B — STREETLIGHT ID NO.
- #3b — TYPE 'B' STREET LIGHTS; #XX a,b,c,d INDICATES CIRCUIT NUMBER

STATE OF VERMONT — LISA A. RUSSELL — No. 7788 — Electrical — LICENSED PROFESSIONAL ENGINEER

ONE-LINE DIAGRAM

SHEET SL12

SURVEYED BY	CLD	DATE	07/89
DRAWN BY	MLC/PBH	DATE	06/03
DESIGN BY	GAE/LKL/LAB		
DESIGN FILE NO.			
PRF FILE	–	DATE PLOTTED	–
PROJ. NAME	BURLINGTON		
PROJ. NO.	MEGC 5000(15)		
SHEET	113 OF 252	SHEETS	

DATUM VERTICAL	NATIONAL GEODETIC VERTICAL DATUM 1929
HORIZONTAL	N/A