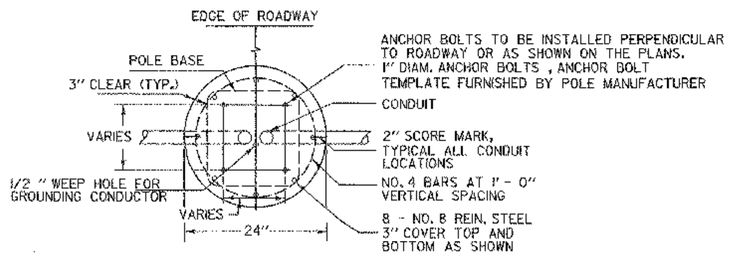
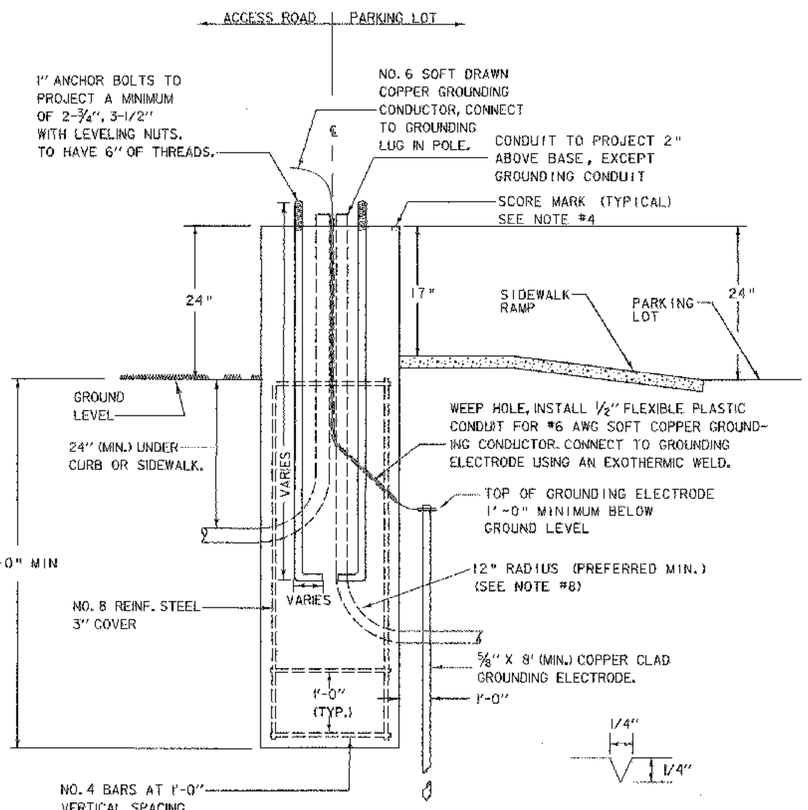
TYPICAL TRENCH SECTION NOTES:

1. BOTTOM OF TRENCH SHALL BE UNDISTURBED ORIGINAL GROUND OR FIRMLY COMPACTED EARTH FREE FROM VOIDS, ROCK OR RUBBLE AND OF RELATIVELY SMOOTH ARCH, AND LINED WITH A MINIMUM OF 2 INCHES OF CLEAN SAND.
2. CONDUIT UNDER AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL BE ENCASED IN RIGID PLASTIC OR STEEL PIPE SLEEVES. 6" ENCASEMENT AROUND PVC CONDUITS TO FIVE FEET (5') BEYOND EDGE OF PAVEMENT, TYPICAL.
3. SEE TYPICAL TRENCH DETAIL FOR SPACING TO BE MAINTAINED BETWEEN ADJACENT CONDUITS.
4. PVC CONDUIT SHALL BE PRIMED AND GLUED TO FORM A WATERTIGHT SEAL.

CONCRETE BASE



PLAN VIEW

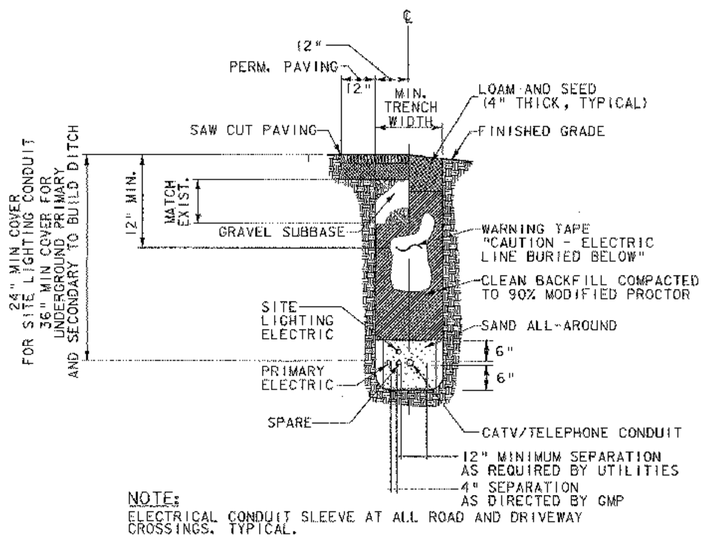


ELEVATION

SCORE MARK DETAILS

CONCRETE POLE BASE DETAIL

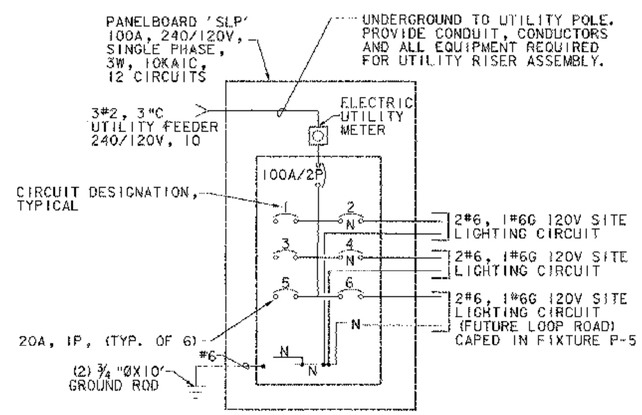
NOT TO SCALE



NOTE:
ELECTRICAL CONDUIT SLEEVE AT ALL ROAD AND DRIVEWAY CROSSINGS. TYPICAL.

TYPICAL TRENCH SECTION

NOT TO SCALE



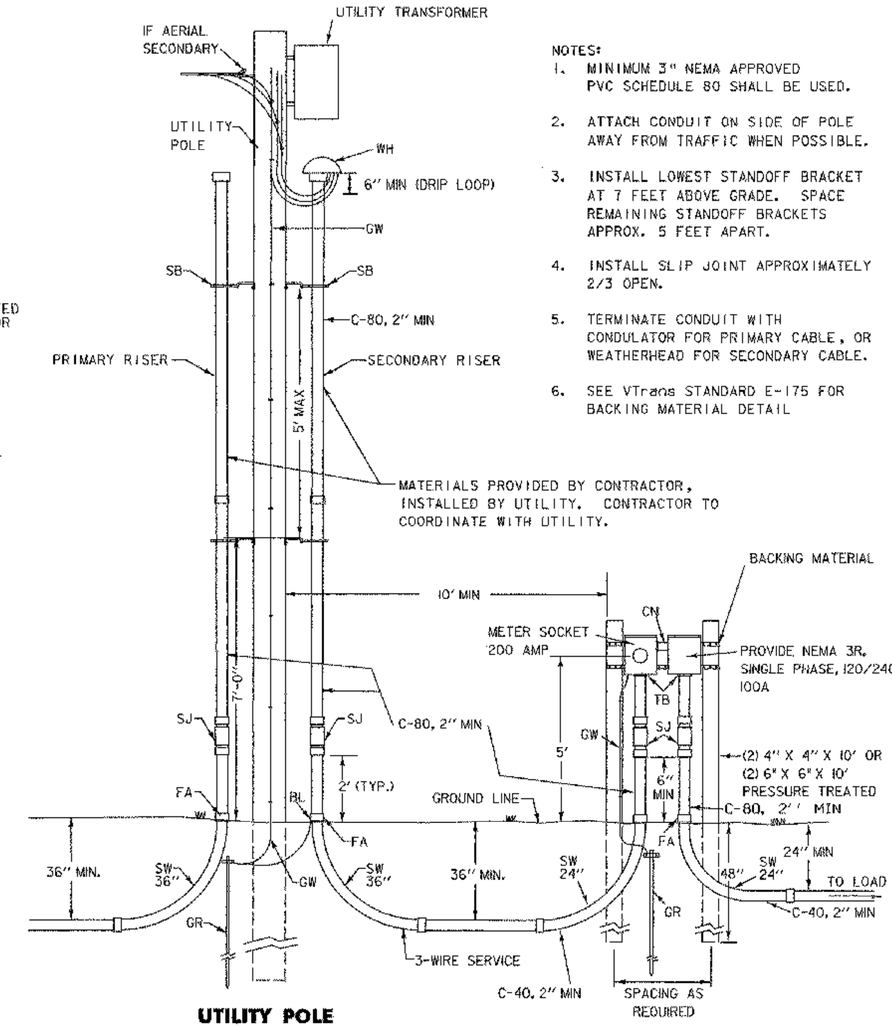
ONE-LINE DIAGRAM SITE LIGHTING SERVICE PEDESTAL 'SLP'

NOT TO SCALE

NOTE: NO RELAYS REQUIRED

CONCRETE POLE BASE NOTES:

1. ALL CONCRETE BASES TO BE CONCRETE, CLASS B, AND SHALL HAVE A SMOOTH LEVEL TOP SURFACE FINISHED WITH A 1/2 INCH RADIUS EDGING TOOL. ALL BASES SHALL BE PAINTED DARK BRONZE TO MATCH LIGHT POLE COLOR. BASES NOT PAINTED, APP'D BY PM W. DAVIS
2. ALL REINFORCING STEEL TO CONFORM TO THE REQUIREMENTS FOR "REINFORCING STEEL."
3. TEMPLATE FOR ANCHOR BOLTS, STAINLESS STEEL ANCHOR BOLTS, NUTS, AND WASHERS TO BE OBTAINED BY CONTRACTOR PRIOR TO CONSTRUCTION OF BASES.
4. SCORE TOP OF CONCRETE BASE TO SHOW LOCATION OF CONDUIT(S).
5. CONDUIT SIZE - AS SHOWN ON THE PLANS.
6. ALL EXPOSED METAL HARDWARE SHALL BE GALVANIZED OR STAINLESS STEEL.
7. IF THE ELECTRICAL CONDUIT IN THE CONCRETE BASE IS GALVANIZED STEEL, GROUNDING BUSHINGS SHALL BE USED.
8. THE MINIMUM RADIUS FOR RIGID METALLIC OR NON-METALLIC ELECTRICAL CONDUIT SHALL BE SIX TIMES THE INSIDE DIAMETER OF THE CONDUIT.
9. SEE STANDARD SHEET E-173 FOR JUNCTION BOX DETAIL.
10. STREET LIGHT POLES ALONG ACCESS ROAD SHALL HAVE A BREAKAWAY DEVICE (SLIP BASE ASSEMBLY, SEE VTrans STANDARD E-180B) BETWEEN THE POLE BASE AND CONCRETE BASE.
11. STREET LIGHT POLES IN PARKING LOT SHALL HAVE A NON-BREAKAWAY BASE (ANCHOR BASE ASSEMBLY, SEE VTrans STANDARD E-180B).



UTILITY POLE

SERVICE PEDESTAL

NOTES:

1. MINIMUM 3" NEMA APPROVED PVC SCHEDULE 80 SHALL BE USED.
2. ATTACH CONDUIT ON SIDE OF POLE AWAY FROM TRAFFIC WHEN POSSIBLE.
3. INSTALL LOWEST STANDOFF BRACKET AT 7 FEET ABOVE GRADE. SPACE REMAINING STANDOFF BRACKETS APPROX. 5 FEET APART.
4. INSTALL SLIP JOINT APPROXIMATELY 2/3 OPEN.
5. TERMINATE CONDUIT WITH CONDULATOR FOR PRIMARY CABLE, OR WEATHERHEAD FOR SECONDARY CABLE.
6. SEE VTrans STANDARD E-175 FOR BACKING MATERIAL DETAIL

UTILITY POLE AND SERVICE PEDESTAL DETAIL

NOT TO SCALE

(ALL WORK TO BE PAID FOR INCIDENTAL TO 679.28 - POWER STANCHION)

LEGEND	
ITEM	MATERIAL
BL	BONDING LUG (IF STEEL CONDUIT)
C-40	CONDUIT - PVC SCHEDULE 40
C-80	CONDUIT - PVC SCHEDULE 80
CN	CONDUIT NIPPLE
FA	FEMALE ADAPTER OR COUPLINGS AS REQUIRED
GR	GROUND ELECTRODE, 5/8" X 8' (MIN) COPPER CLAD (2 REQ.)
GW	GROUND CONDUCTOR, #6 AWG CU (MIN)
SB	STANDOFF BRACKET
SJ	SLIP JOINT, INSTALL 2/3 OPEN
SSS	STAINLESS STEEL STRAP (1" MIN)
SW	90° SWEEPS, (PVC) 36" R. - SERVICE, 24" R. - LOAD
TB	THREADED BUSHING
WH	WEATHERHEAD OR CONDULATOR

PROJECT NAME: FERRISBURGH/VERGS-FERRISBURGH
PROJECT NUMBER: CMG PARK (15)S/STP EH01(21)

FILE NAME: ...\35lightingdetailsl.pff
PROJECT LEADER: WLD
DESIGNED BY: LAB/MLC
LIGHTING DETAILS SHEET 1
PLOT DATE: 5/9/2006
DRAWN BY: MBL
CHECKED BY: LAB
SHEET 35 OF 65

DH Dufresne-Henry