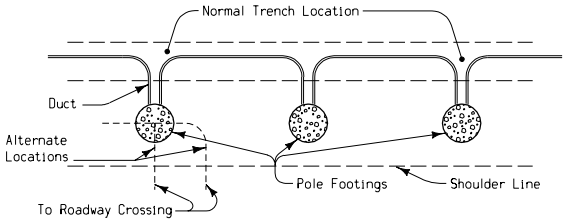
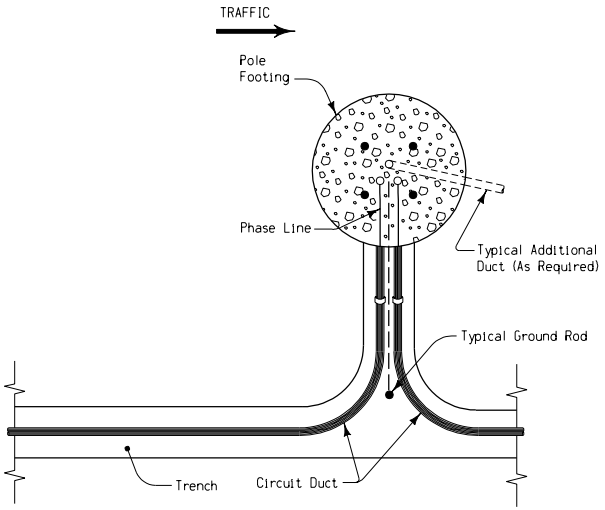
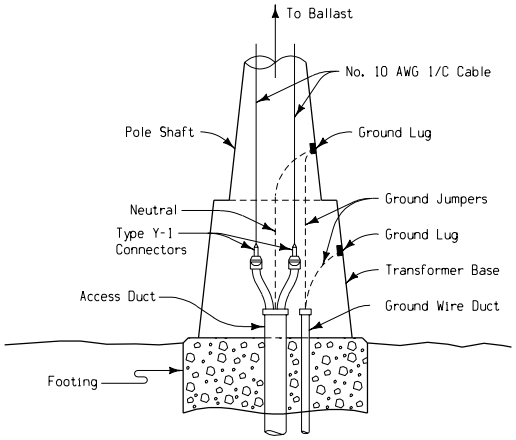


TYPICAL LAYOUTS ①
CONNECTIONS TO POLE FOOTINGS





WIRING DIAGRAM
(BALLAST TAP CONNECTION)

GENERAL NOTES:

The details indicated hereon are for installation of cable in underground ducts. Alternate designs may be submitted to the Engineer for approval.

Materials and methods of construction shall be in accordance with current Standard and Supplemental Specifications.

Refer to appropriate Standard Road Plans and project plans for additional details.

Lighting circuits shall consist of single conductor phase lines with bare ground wires installed in continuous underground ducts.

Standard trench location for lighting distribution circuits shall be 3 feet outside the line of the pole footings, except for roadway crossings, access to connection points, or other cases detailed on the project plans or approved by the Engineer.

The Engineer may allow variation from minimum depths for roadway crossings, access to connection points, soil conditions, or other special cases. Where rock is encountered, a minimum trench depth of 2 feet will be required.

Ducts installed under pavement slabs, drives, and other similar locations detailed in the project plans shall be designated as "crossings" and distinguished from other underground circuit ductwork. Refer to Standard Road Plan RM–33 for additional details.

All load taps in phase lines shall be with Y–1 connectors and all circuit branch taps shall be made with Y–3 connectors unless otherwise specified or detailed. When the method of in–line splicing is not specified on the project plans, the Engineer may approve the use of connector assemblies or field molded splices.

Provide 600 volt fuses as specified, 5 amperes for each Type Y–1 connector.

All unused connector openings shall be sealed against entry of moisture as directed by the Engineer.

① Each connection to pole footing shall require a separate access duct.

Iowa Department of Transportation
Project Development Division

STANDARD ROAD PLAN **RM–34B**

REVISION: Add note; change title block.	REVISION NO.
	1
Gary L. Christ 05-24-99	REVISION DATE
APPROVED BY DESIGN METHODS ENGINEER	09-21-99

ELECTRICAL INSTALLATION DETAILS
(TRANSFORMER BASE)