

**LORCO WASTEWATR COLLECTION SYSTEM
RESIDENTIAL GRINDER PUMP CUSTOMER SERVICE CONNECTIONS
(PLUMBING & ELECTRICAL)**

The residential sewage grinder pump and associated in-ground pump basin and electrical control panel will be installed by the LORCO contractor at the location requested by the homeowner. This location is usually selected to provide convenient access to the homeowner's existing main electrical service and the homeowner's existing plumbing drain line. The LORCO contractor will also install the small diameter sewage force main from the homeowner's residential grinder pump to the main line sewage force main which is typically located along the road right-of-way in front of the home.

After the in-ground pump basin, electrical control panel and individual homeowner force main service connection have been constructed by the LORCO contractor, it is the responsibility of the homeowner to connect his plumbing drain line to the in-ground pump basin and provide electrical service to the residential grinder pump control panel.

Homeowner's Plumbing Connection

It is the responsibility of the homeowner to connect his home sewage drain line to the in-ground residential grinder pump basin. This connection is typically made using 4-inch polyvinyl chloride (PVC) drain piping (DWV size piping with 4.5-inch outside diameter). This work shall be accomplished under a plumbing permit obtained through the local code official. All plumbing work shall be completed and tested in accordance with the Ohio Plumbing Code.

See attached "Typical Residential Grinder Pump & Installation" detail.

Homeowner's Electrical Service Connection

The electrical service to the residential grinder pump installation shall be furnished and installed by the individual homeowner in accordance with the following electrical requirements:

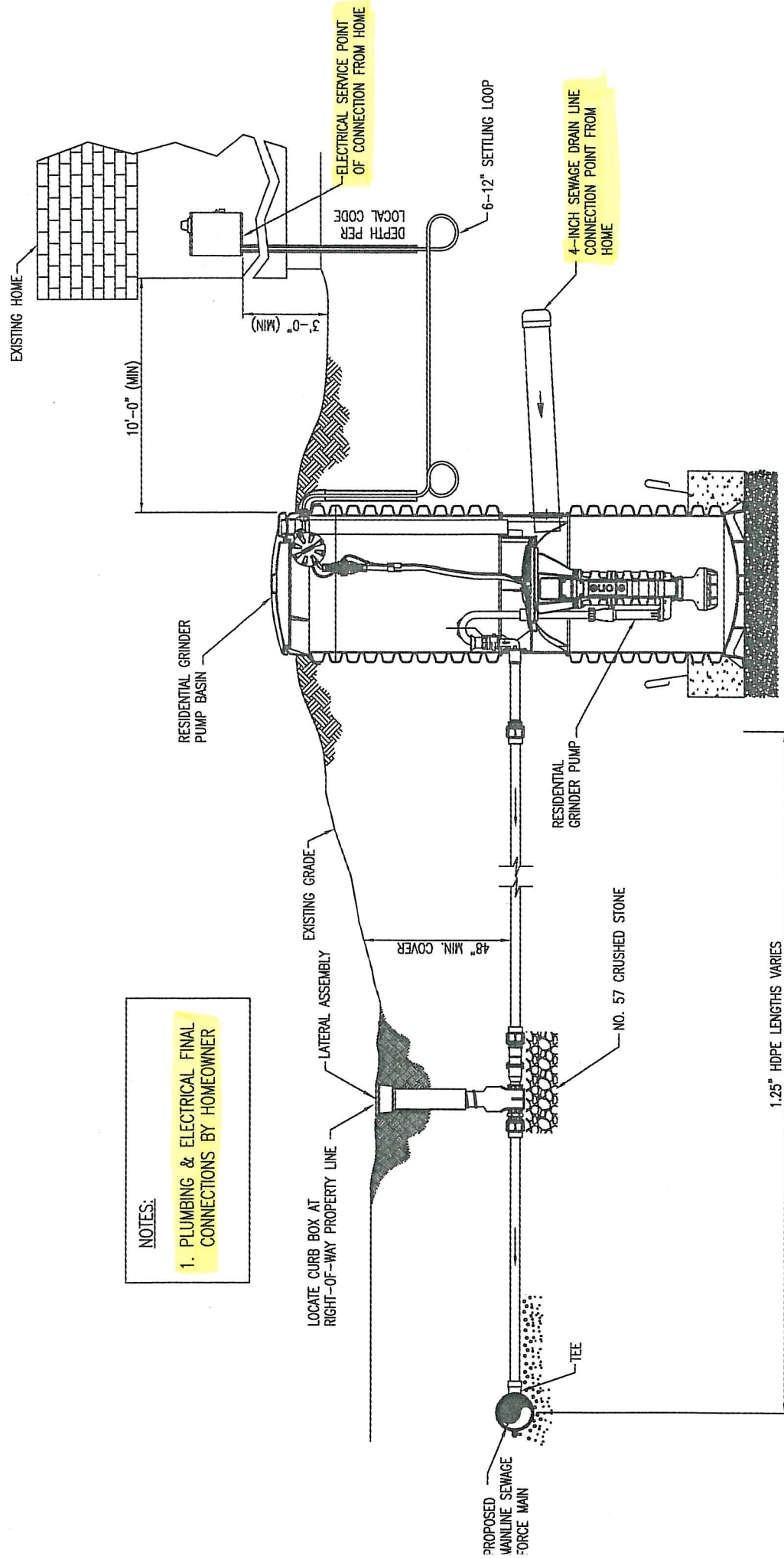
- 240 Volt Single Phase Service
- 1 – 30 Amp Circuit
- 4 Wire Service

The grinder pump electrical control panel will be installed by the LORCO contractor on either the outside wall of the existing home or on a pedestal located at the grinder pump basin (at the homeowner's option). The point of connection for the homeowner's electrical service connection is at the control panel.

This work shall be accomplished by a licensed electrician and all work would be performed in accordance with the applicable state and local electrical codes as well as the national electric code.

TYPICAL RESIDENTIAL GRINDER PUMP & INSTALLATION

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NOTES:

1. PLUMBING & ELECTRICAL FINAL CONNECTIONS BY HOMEOWNER

E | One - SIMPLEX SENTRY CONTROL PANEL WIRING DETAIL

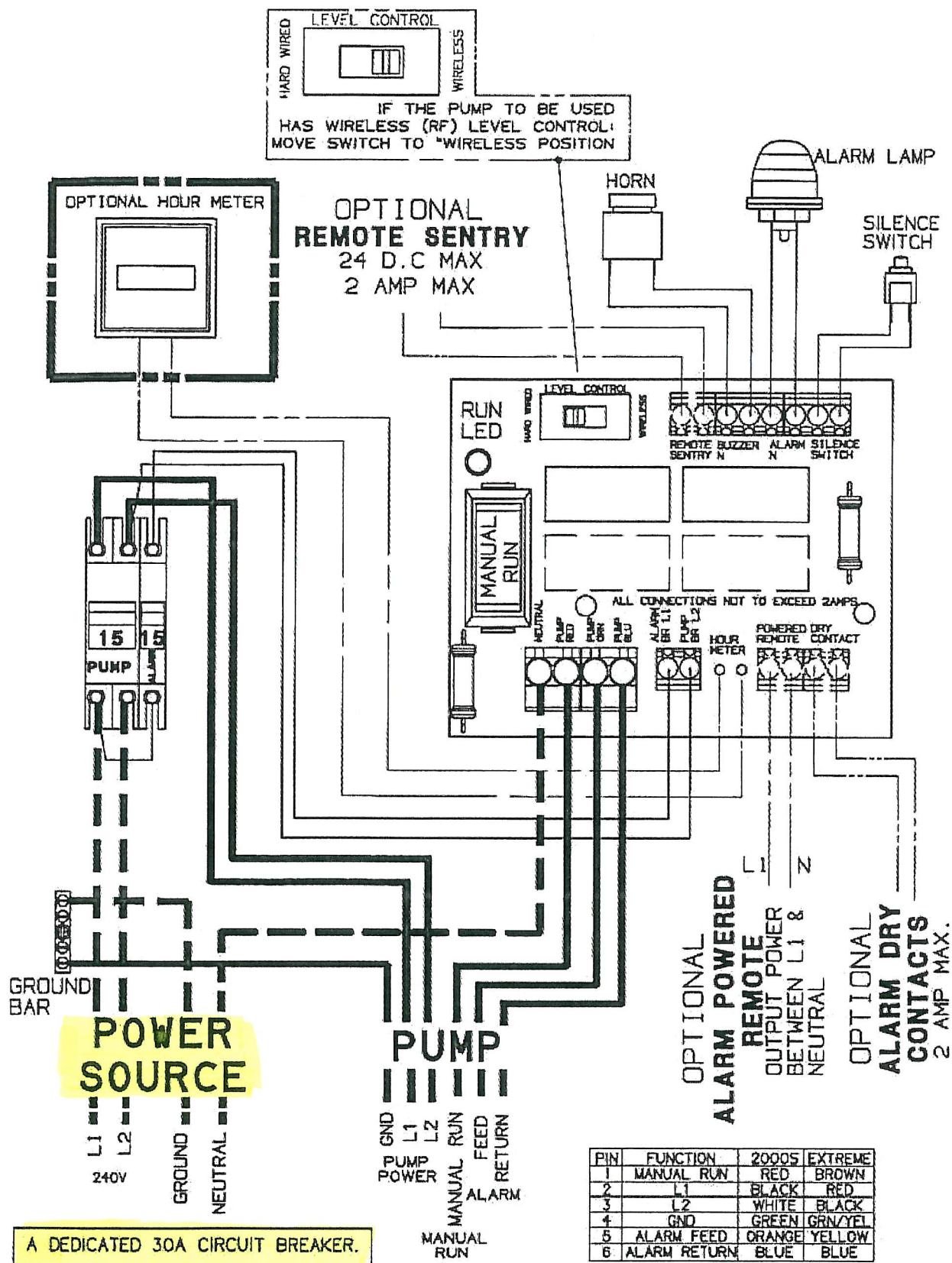


Figure 4 – 240V