Re: Requirements for Electrical Service to Connect to the Hamburg Township Sanitary Sewer System (HTSSS)

To: Builder and/or Hamburg Township Property Owner:

Proper electrical service to the grinder pump control panel is the responsibility of the property owner. As such you may choose to complete the work yourself, after obtaining all required permits, or you may hire any licensed electrician you wish to work with. The Township does not have a suggested electrician list nor do we recommend any specific electricians.

Prior to the installation of your grinder pump station any necessary upgrades to your electrical service or circuit panel(s) must be completed. This is to ensure proper start-up and function of the grinder pump and to also avoid any damage to the controls or pump caused by a lack of power supplied to the station.

The power source for the grinder pump station is typically supplied from the service panel inside of the home. In some cases, power may be tapped directly from the service meter. A disconnect panel must be installed on the outside of the building. The Township recommends the use of a 60 amp, 2 pole frame with two (2) 25 amp FRN fuses (air conditioner type) or a breaker style enclosure. A lightning arrester must also be attached. This panel is needed for technicians to isolate power while servicing the grinder station and to protect the equipment from lightning strikes. All wires must be in conduit of suitable size, with all entry points into panels sealed with a water and bug proof sealer inside of the panel. The disconnect panel must be within eyesight of the grinder control panel. Likewise, the control panel must be within eyesight of the grinder pump station.

All power supply boxes from the home control panel and/or meter connection must be permitted and inspected by the Livingston County Building Department. Wire types should not be mixed, i.e. copper to aluminum or vice versa. Wire sizing is indicated in the sketch that accompanies this letter.

Should you have any questions please call the DPW office at (810) 231-8158.

Thank You,
Don Miller
DPW Field Superintendent

Updated July 30th, 2008
Typical Grinder Pump
Electrical Connection
In Hamburg Township

60AMP Service Entrance Rated Fused Disconnect
with **Two 25AMP FRN Fuses** Mounted in Lockable NEMA JR Enclosure

1" Conduit, **#10 Copper wire**

1" Conduit, **#8 or #10 Copper or #8 or larger Aluminum wire**
From a **dedicated 30AMP 2 Pole Breaker**

**When Tapping from the DTE Energy Meter make sure you refer to the Livingston County Codes**

**DO NOT MIX METALS (Copper / Aluminum)**

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Revised 7/02/2008