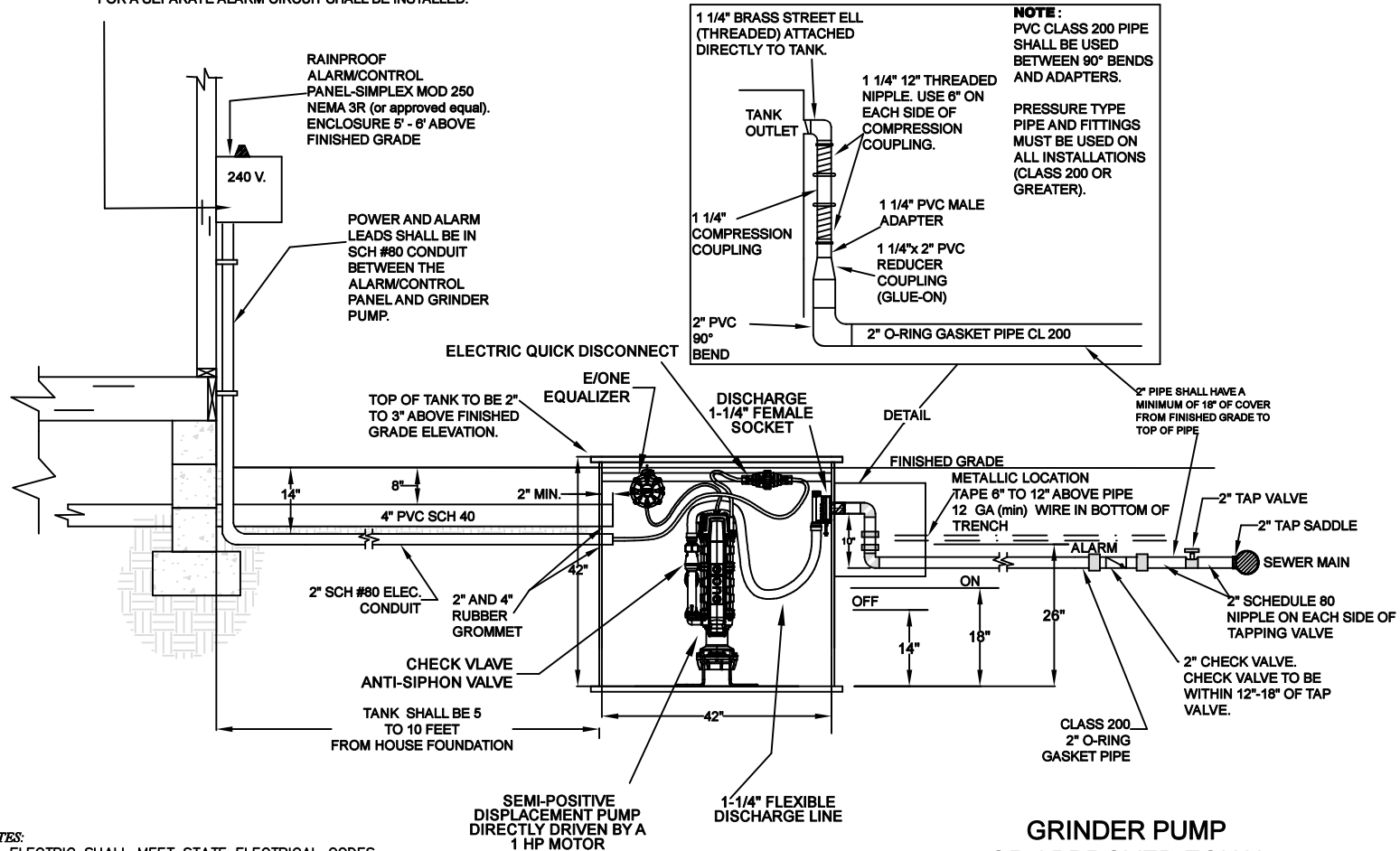


# LIBERY (2HP) GRINDER PUMP INSTALLATION DETAIL

ORIG. DATE: 04-14-00	SCALE: NOT TO SCALE	MODIFIED: 02-10-2026
CITY OF CROSSVILLE 392 N MAIN ST CROSSVILLE, TN 38555		

PANEL SHALL BE POWERED BY 10-2 WIRE WITH GROUND AND A 30 AMP 220 BREAKER BETWEEN THE ELECTRIC PANEL AND THE ALARM/CONTROL PANEL.  
 ALSO A DEDICATED 15 OR 20 AMP, 120 VOLT POWER SUPPLY FOR A SEPARATE ALARM CIRCUIT SHALL BE INSTALLED.



**NOTES:**  
 ALL ELECTRIC SHALL MEET STATE ELECTRICAL CODES  
 5" HOLE SAW NEEDED FOR 4" PVC HOLE  
 3" HOLE SAW NEEDED FOR 2" PVC CONDUIT HOLE  
 THE CITY OF CROSSVILLE WILL CONNECT THE WIRES FROM THE PUMP TO THE PANEL  
 OUTDOOR WATER FAUCET TO BE AVAILABLE WITHIN 25' OF GRINDER PUMP TANK.  
 ALL PIPE SHALL BE UNCOVERED AND VISIBLE FOR THE PRELIMINARY INSPECTION BY THE CITY REPRESENTATIVE.  
 ALL DRIVEWAY CROSSINGS SHALL HAVE A SCHEDULE 40 4" PVC CASING WHICH EXTENDS A MINIMUM OF 2' BEYOND EDGE OF DRIVEWAY.  
 ALL PIPE FITTING BENDS SHALL HAVE A CONCRETE KICKER/THRUST BLOCK ADJACENT TO THEM.

## GRINDER PUMP OR APPROVED EQUAL

**MOTOR:**  
 1 HP, 1725 RPM, 240 V, 1 PHASE

**DISCHARGE:**  
 15 gpm at 0 psig  
 11 gpm at 40 psig  
 7.8 gpm at 80 psig

# TYPICAL GRINDER PUMP INSTALLATION LIBERTY (2HP)