



**NOTES:**

1. THE MINIMUM REQUIREMENTS FOR A RESIDENTIAL SEWAGE PUMPING SYSTEM CONNECTING A SINGLE RESIDENCE TO THE DISTRICT'S SYSTEM ARE SPECIFIED AS FOLLOWS. THE DISTRICT ACCEPTS NO RESPONSIBILITY FOR THE DESIGN, OPERATION AND MAINTENANCE OF SUCH PRIVATELY OWNED AND OPERATED SYSTEMS. INSTALLATION OF GRINDER PUMP SYSTEMS MUST BE PREAPPROVED BY THE DISTRICT.
2. ALL EQUIPMENT AND ACCESSORIES SHALL BE STANDARD MANUFACTURED ITEMS AND THOSE COMING IN DIRECT CONTACT WITH SEWAGE SHALL BE SPECIFICALLY MANUFACTURED FOR SEWAGE USE.
3. LIFT STATION MUST BE LOCATED OUTSIDE THE BUILDING. IF THE STATION IS COMPLETELY BURIED, INSTALL 48" I.D. MANHOLE WITH FRAME AND COVER OVER STATION FOR ACCESS.
4. THE PUMP SHALL BE E-ONE DH071, HYDRAMATIC HPG-200 OR LIBERTY PUMPS EPS91174, AS SPECIFIED HEREIN. NO OTHER PUMP TYPES SHALL BE PERMISSIBLE.
5. A 14 GAUGE TRACER WIRE, CONTINUOUS POLYETHYLENE INSULATED COPPER, SHALL BE WRAPPED AROUND THE ENTIRE COURSE OF THE POLY PRESSURE PIPE AND BROUGHT TO THE SURFACE IN THE CLEAN-OUT BOX AND AT THE STATION.
6. POLY PRESSURE PIPE TO BE 1 1/4" MIN. SIDR 7, 250 PSI POLYETHYLENE PIPE, OR DISTRICT APPROVED EQUAL.
7. POLY PRESSURE PIPE TO BE INSTALLED AT A CONTINUOUS UPHILL GRADE WITH NO JOINTS OR COUPLINGS IF PIPE RUN IS UNDER 300 FEET.
8. DETECTOR TAPE REQUIRED 1'-0" ABOVE PIPING WHEN POLY PRESSURE PIPE CROSSES OTHER PROPERTIES OR IS LOCATED ALONG COMMON ACCESS ROADS.
9. EVERY INSTALLATION SHALL BE EQUIPPED WITH AN ALARM PANEL, INCLUDING RED ALARM LIGHT AND GENERATOR RECEPTACLE, MOUNTED OUTSIDE ON HOUSE WALL.

## **SINGLE FAMILY GRINDER PUMP STATION DISCHARGE PIPING/GENERAL NOTES**

NOT TO SCALE

**DETAIL APPROVALS**  
**EDITOR** TMC  
**MANAGER** SJD

**NORTHSHORE UTILITY DISTRICT**  
 2024 STANDARD SEWER DETAILS

**14d**

LAST UPDATED  
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