

- COMPLETE HYDROMATIC HPG-200 PACKAGED SEWER GRINDER LIFT STATION TO INCLUDE THE FOLLOWING:
- GRINDER PUMP WITH 2HP SUBMERSIBLE SINGLE PHASE MOTOR (ADEQUATE FOR SINGLE RESIDENCE UP TO 100' HEAD AT 5" IMPELLER DIA.)
 - TWO SEALED FLOAT TYPE MERCURY SWITCHES FOR LEVEL CONTROL
 - ONE FLOAT SWITCH FOR ALARM CONTROL
 - 1" NPT MALE CONDUIT OUTSIDE OF SUMP FOR CONTROL WIRING
 - DISCHARGE PIPING SHALL INCLUDE A CHECK VALVE, A GATE VALVE AND NPT FEMALE CONNECTION OUTSIDE OF SUMP (DIA. PER PRESSURE PIPE DIA.)
 - INFLUENT PIPING SHALL PROVIDE HUB FOR PVC PIPE OUTSIDE OF SUMP (DIA. PER SIDESEWER DIA.)
 - FIBERGLASS SUMP BASIN 24" I.D. x 5'-0" HIGH (PER BULLETIN SPG-604 (HYDROMATIC OR EQUAL))
 - NEMA 3R LOCKING CONTROL PANEL WALL MOUNTED
 - RED ALARM LIGHT PANEL, WALL MOUNTED

GENERAL NOTES :
 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.

A. ALL EQUIPMENT AND ACCESSORIES SHALL BE STANDARD MANUFACTURED ITEMS AND THOSE COMING IN DIRECT CONTACT WITH SEWAGE SHALL BE SPECIFICALLY MANUFACTURED FOR SEWAGE USE.

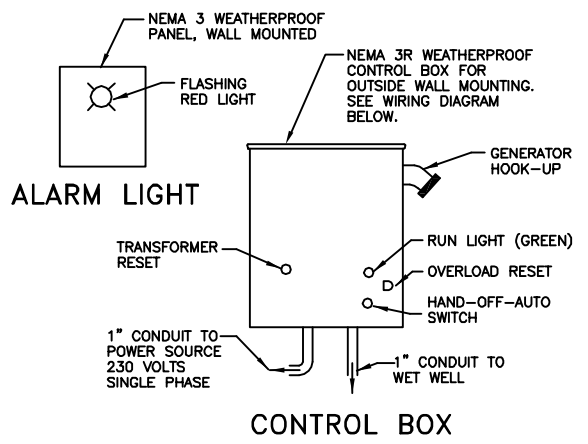
B. LIFT STATION MUST BE LOCATED OUTSIDE THE BUILDING. IF THE STATION IS COMPLETELY BURIED, INSTALL 48" I.D. MANHOLE WITH FRAME AND COVER OVER STATION FOR ACCESS.

C. THE PUMP SHALL BE A SUBMERSIBLE GRINDER TYPE, AS SPECIFIED HEREIN.

D. A 12 GAUGE TRACER WIRE, COATED AND CONTINUOUS SHALL BE WRAPPED AROUND THE FORCE LINE IT'S ENTIRE COURSE AND BROUGHT TO THE SURFACE AT THE STATION.

E. FORCE MAIN TO BE 1 1/4" MIN. SCH. 80 PIPE OR DISTRICT APPROVED EQUAL.

F. DETECTOR TAPE REQUIRED 1'-0" ABOVE PIPING WHEN FORCE MAIN CROSSES OTHER PROPERTIES OR IS LOCATED ALONG COMMON ACCESS ROADS.



GRINDER PUMP STATION SINGLE FAMILY RESIDENCE

NOT TO SCALE

Detail Approvals
 Engineer GSM
 Manager DPK

NORTHSHORE UTILITY DISTRICT
 STANDARD SEWER DETAILS

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