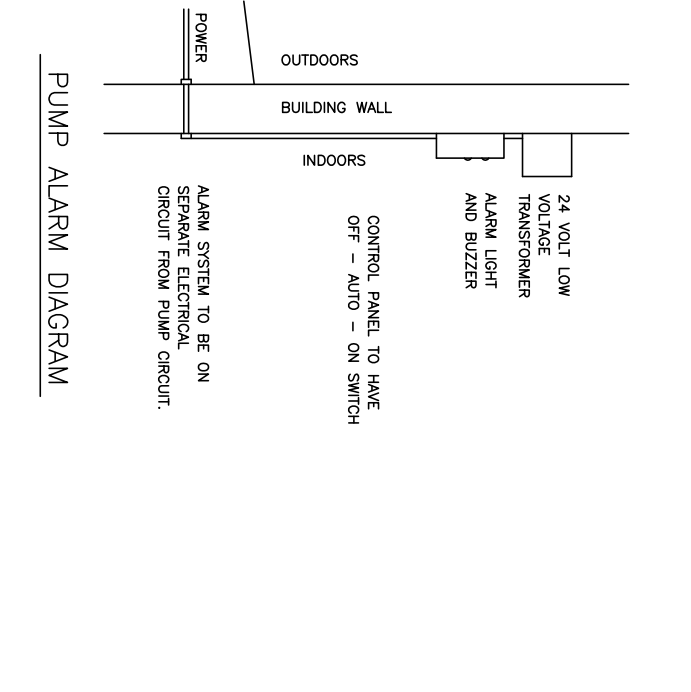
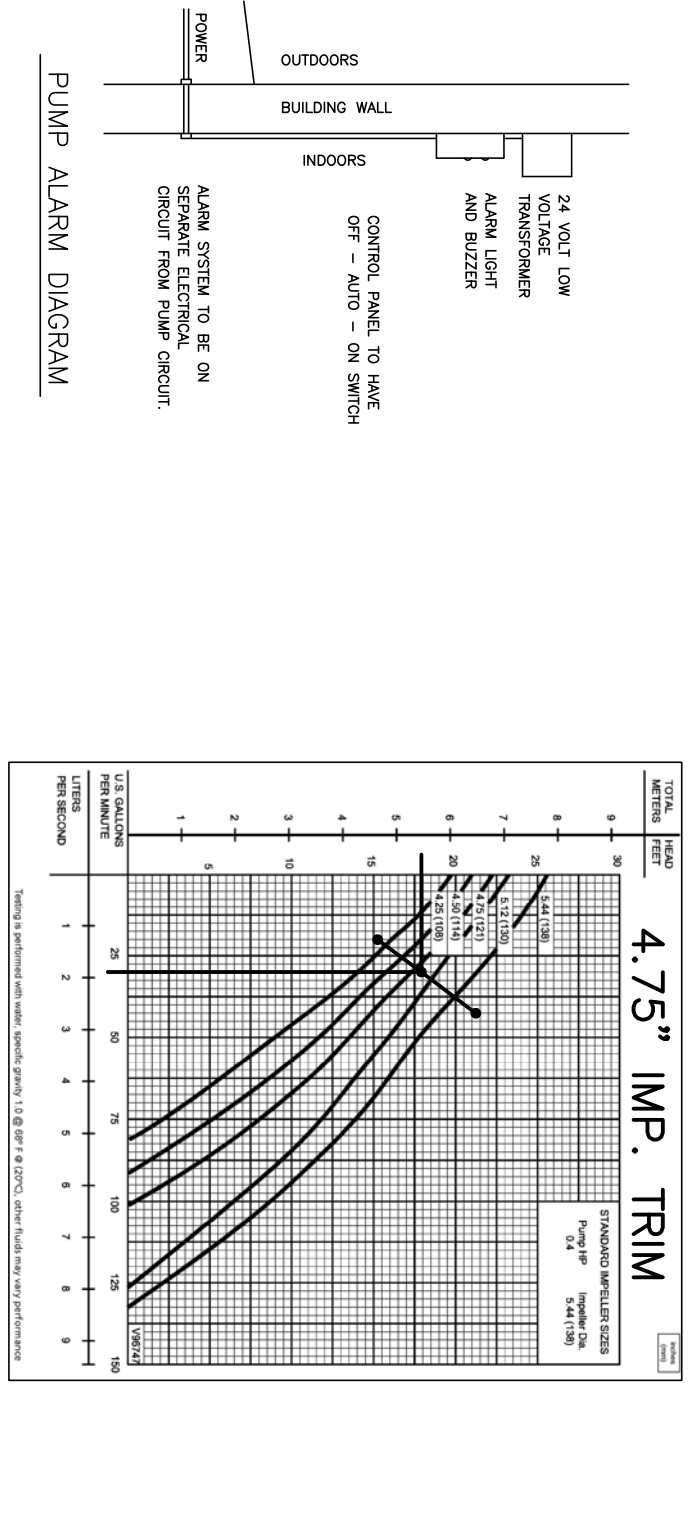


PUMP SYSTEM NOTES:

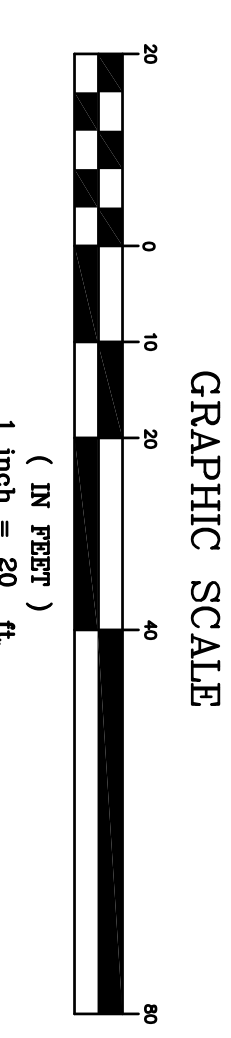
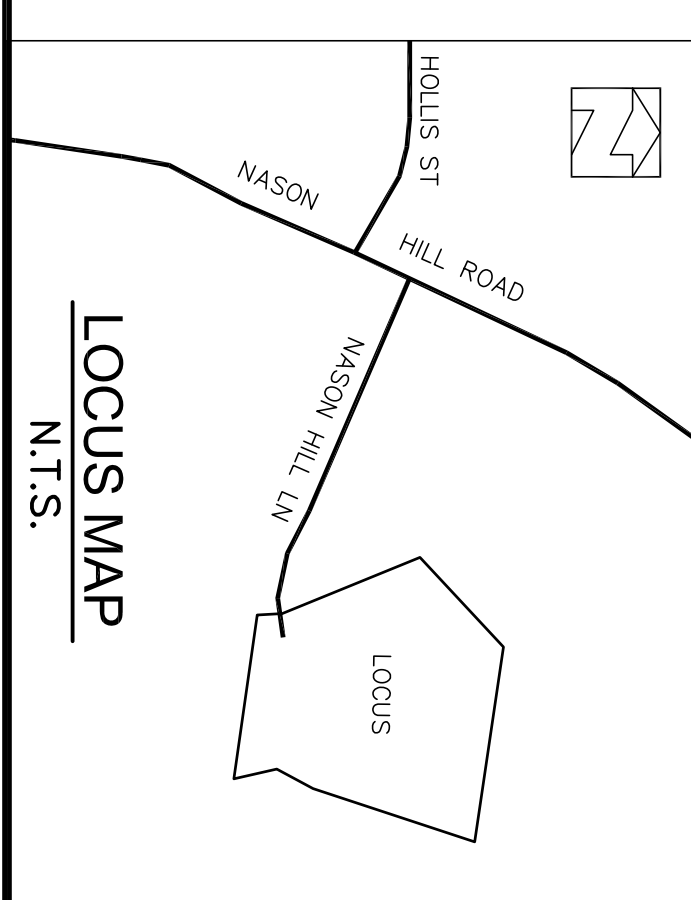
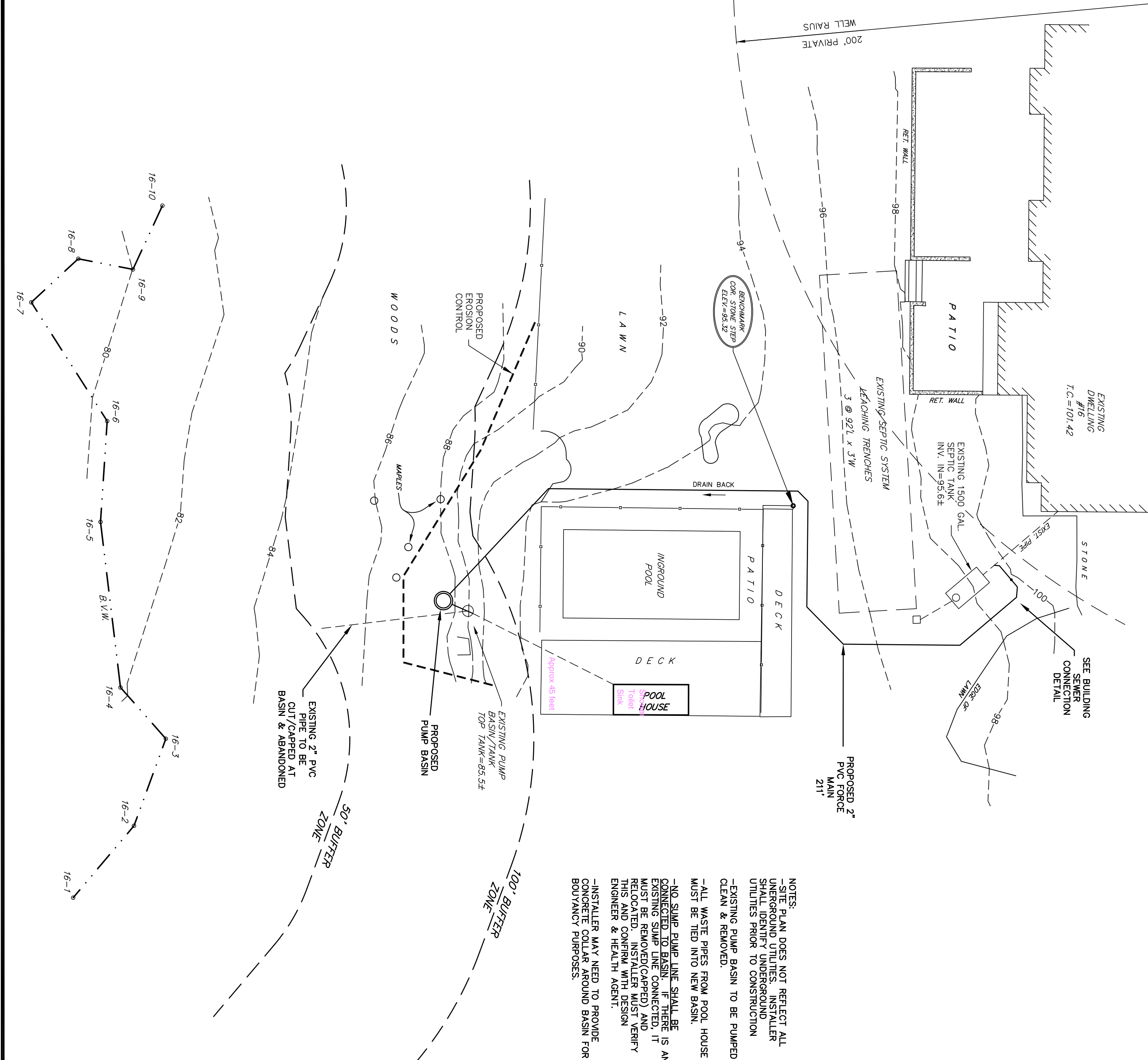
1. PROVIDE 48"x48" FIBERGLASS PUMP BASIN.
2. PUMP CHAMBER SHALL BE WATER-TIGHT CONSTRUCTION AND HAVE MANUFACTURERS ON-OFF SWITCH, VOL. ALARM, ADAPTER ALARM AND AUTOMATIC ON-OFF SWITCH.
3. THE CONTROL PANEL INSIDE THE PANELING SHALL INCLUDE A MANUAL ON-OFF, AUTOMATIC ON-OFF, SWITCH, VOL. ALARM, ADAPTER ALARM AND AUTOMATIC ON-OFF SWITCH.
4. THE INSTALLER SHALL PROVIDE A WEIR HOLE IN THE FORCE MAIN APPROXIMATELY 3/8" ABOVE THE PUMP TO ALLOW THE LINE TO DRAIN UPON COMPLETION OF THE PUMP.
5. THE ACCESS MANHOLE SHALL BE CONSTRUCTED TO FINISH GRADE WITH A SECURE COVER AS POSSIBLE.
6. THE ACCESS MANHOLE SHALL BE CONSTRUCTED TO FINISH GRADE WITH A SECURE COVER FROM TO THE TOP OF THE PUMP SYSTEM. THE DESIGNER SHALL CONDUCT A FLOW RATE TEST FOR THE PUMPS AND CERTIFY SUCH IN WRITING TO THE BOARD OF HEALTH.

PUMP DISCHARGE & PUMP-ON CYCLE
 $1' \times 7' = 7.33 \text{ cft./dose} = 55 \text{ gal./dose}$
 $55 \text{ gal./440 gal} = 12.5\% \text{ of daily flow}$
 $55 \text{ gal./dose} @ 30 \text{ gpm} = 1.8 \text{ min. per pump-on cycle}$
 Volume Force Main = 34 gal.
 PUMP TO PROVIDE FOR 30 GPM & A TOTAL HEAD OF 18 FEET.



NOTES:

- SITE PLAN DOES NOT REFLECT ALL UNDERGROUND UTILITIES. INSTALLER SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
- EXISTING PUMP BASIN TO BE PUMPED CLEAN & REMOVED.
- ALL WASTE PIPES FROM POOL HOUSE MUST BE TIED INTO NEAR BASIN.
- NO SUMP PUMP LINE SHALL BE CONNECTED TO THE EXISTING SUMP LINE UNLESS IT IS RELOCATED. INSTALLER MUST VERIFY WITH THE DESIGNER AND A LICENSED ENGINEER & HEALTH AGENT.
- INSTALLER MAY NEED TO PURCHASE CONCRETE COLLAR AROUND BASIN FOR BUOYANCY PURPOSES.



ZONE W.M. FRONTYARD W.M. SIDEYARD W.M. REARYARD

NO PUBLIC WELLS WITHIN 400 FEET EXCEPT AS SHOWN.
NO PRIVATE WELLS WITHIN 200 FEET EXCEPT AS SHOWN.
NO SURFACE WATER SUPPLIES WITHIN 150 FEET EXCEPT AS SHOWN.
NO SURFACE WATER SUPPLIES WITHIN 400 FEET EXCEPT AS SHOWN.
NO SURFACE OR SUBSURFACE DRAINAGE WHICH INTERCEPT GROUND WATER EXCEPT AS SHOWN.
LOCATION OF FLOODING SHOWN IF ANY.
LOCATION OF A NITROGEN SENSITIVE AREA.

IT SHALL BE THE RESPONSIBILITY OF THE APPLICANT AND OR CONSTRUCTION TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. ALL UTILITIES COMMENCEMENT OF ANY INTERIOR OR EXTERIOR WORK. DOWNSHAFTS TO BE NOTIFIED 72 BUSINESS HOURS IN ADVANCE OF CONSTRUCTION (1-888-344-7233).

BENCH MARK CORNER STONE STEP @ DECK. ELEV=95.32

POOL HOUSE PUMP BASIN
16 NASON HILL LANE
SHERBORN, MASSACHUSETTS

APPLICANT/OWNER:
KATHY SHEPHERD
16 NASON HILL LN.
SHERBORN, MA 01770

DATE: MARCH 22, 2016

REVISED:

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www.GLMengineering.com

DES: JMN SCALE: 1" = 20' JOB #151726 SHEET #1 of 1

#16 NASON HILL LANE