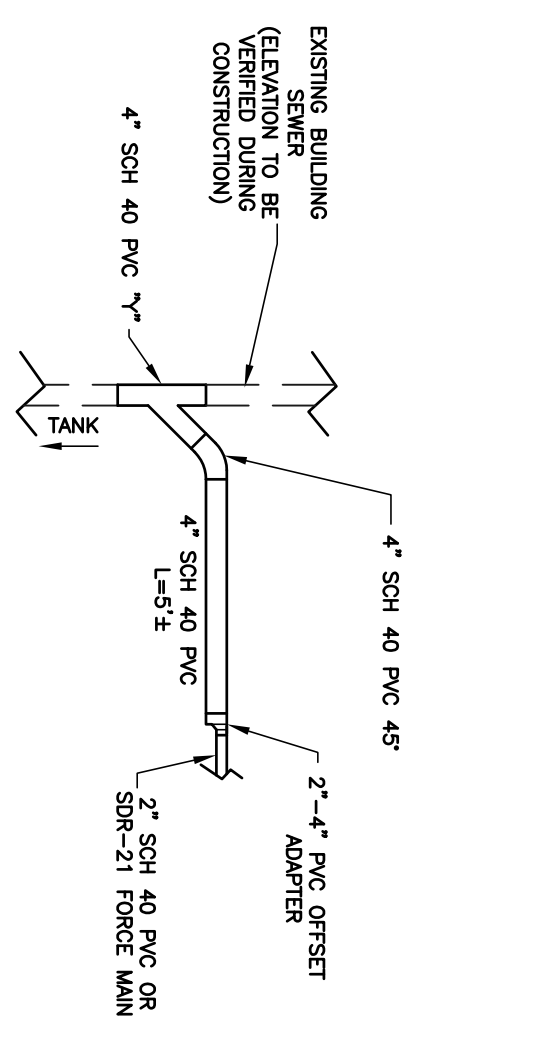
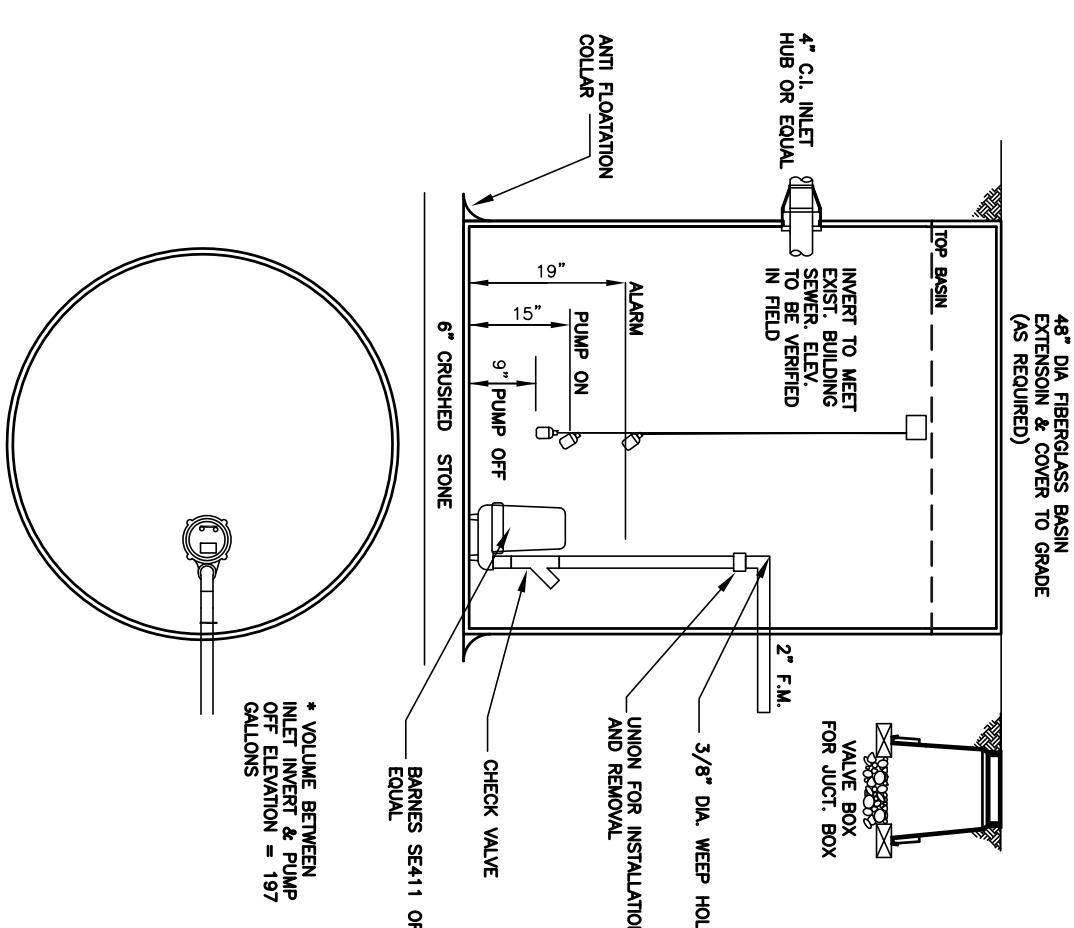


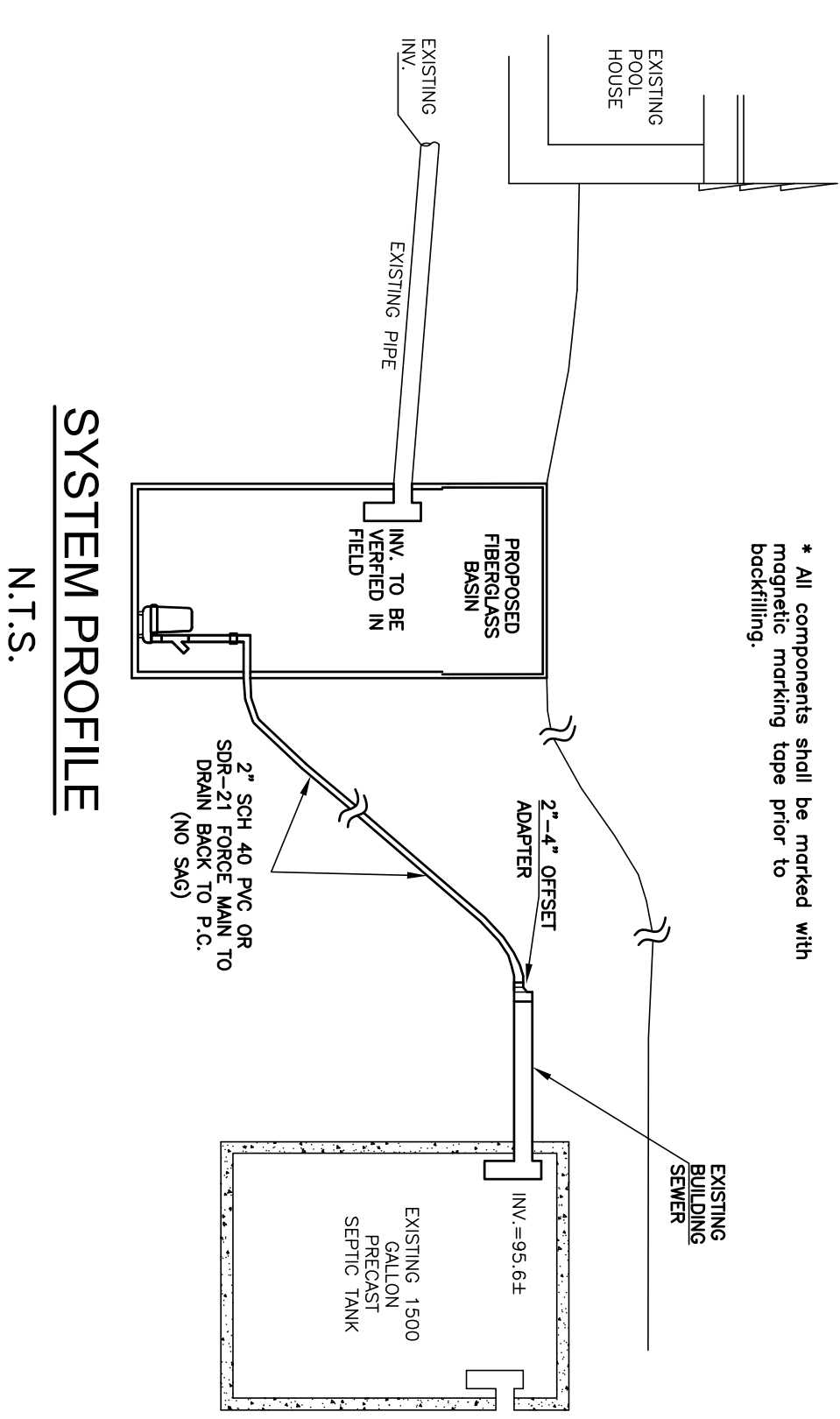
**SILT FENCE DETAIL**  
N.T.S.



**BUILDING SEWER CONNECTION DETAIL**  
N.T.S.



**48\"/>**



**SYSTEM PROFILE**  
N.T.S.

**PUMP SYSTEM NOTES:**

1. PROVIDE 48" X 48" FIBERGLASS PUMP BASIN.
2. PUMP CHAMBER SHALL BE WATER-TIGHT CONSTRUCTION AND HAVE MANUFACTURERS' ON-OFF SWITCH, VOLUNTARY ALARM, ADAPTER, ALARM AND Buzzer, AUTOMATIC ON-OFF SWITCH, VOLUNTARY ALARM, ADAPTER ALARM AND Buzzer SWITCH.
3. THE CONTROL PANEL INSIDE THE PANELING SHALL INCLUDE A MANUAL ON-OFF, AUTOMATIC ON-OFF SWITCH, VOLUNTARY ALARM, ADAPTER ALARM AND Buzzer 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 BOTTOM 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 HEADSAGE & SHUT-OFF CYCLE**

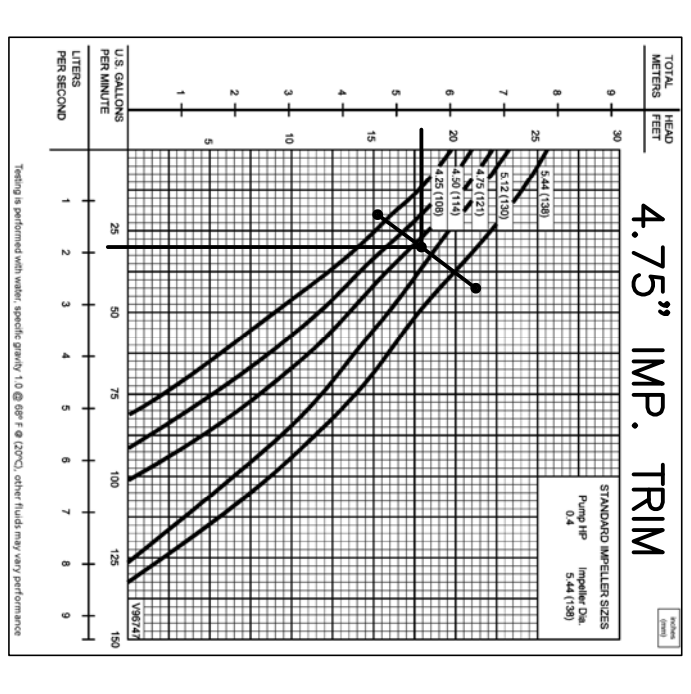
• X 7" = 7.33 cft/dose = 55 gal./dose

55 gal./440 gal = 12.5% of daily flow

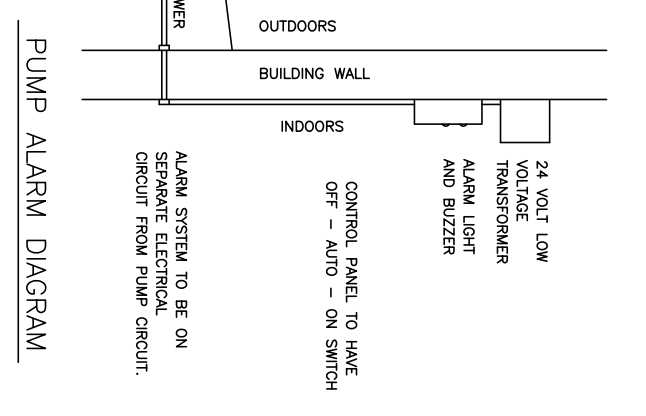
55 gal./dose @ 30 gpm = 1.8 min per pump-on cycle

Volume Force Main = 34 gal.

PUMP TO PROVIDE FOR 30 GPM & A TOTAL HEAD OF 18 FEET.

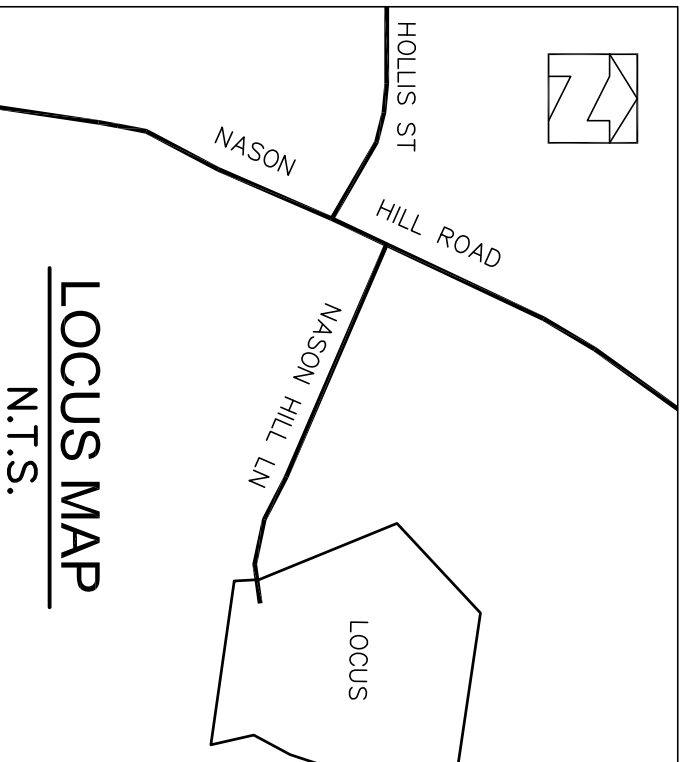
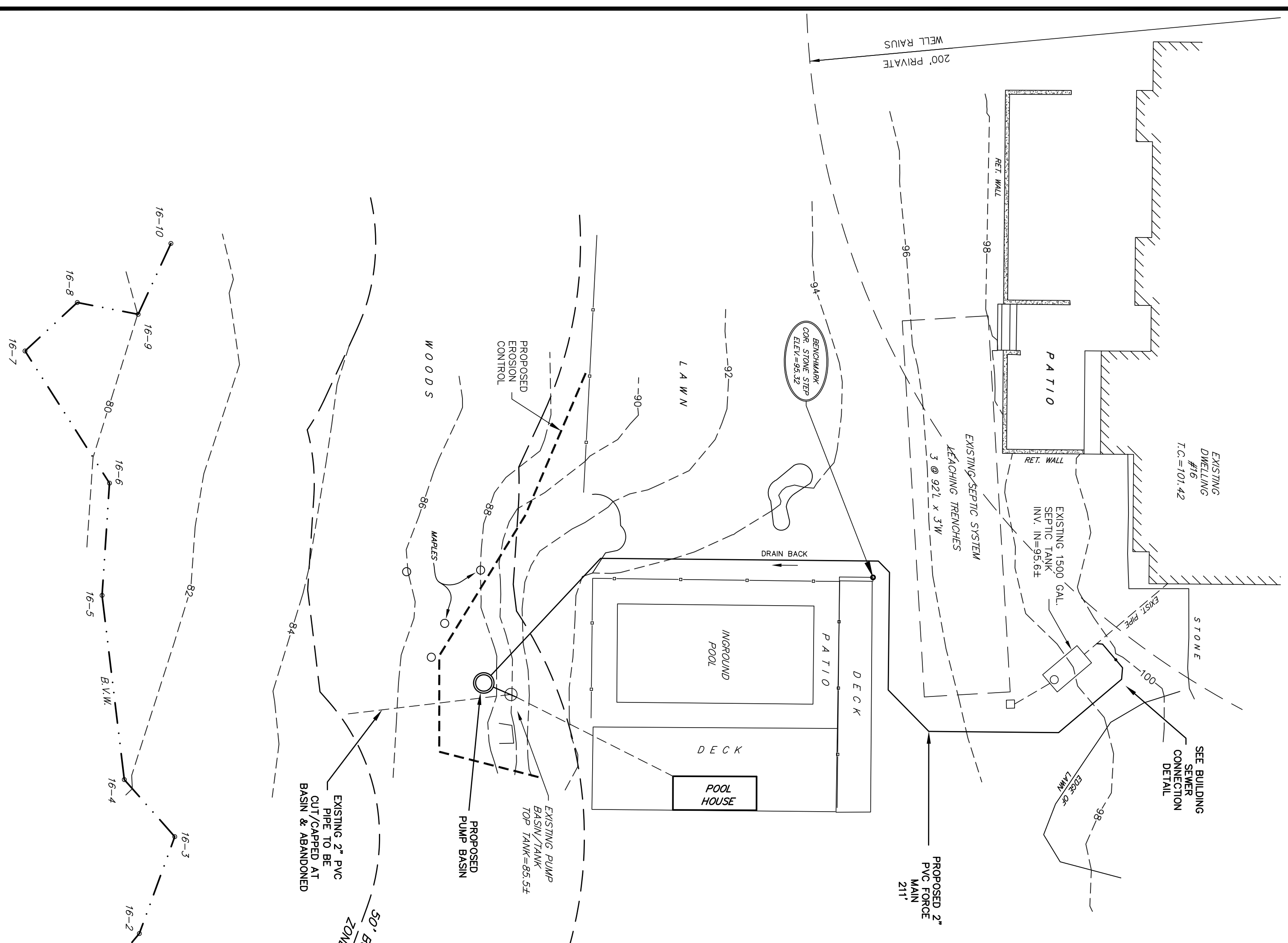


Pipe Length	Equivalent Length	Quant.	GPM	TDH
0	0	1	0	13.00
10	10	1	10	13.88
20	20	1	20	15.25
30	30	1	30	17.25
40	40	1	40	21.25
50	50	1	50	25.35
60	60	1	60	30.47
70	70	1	70	36.37
80	80	1	80	43.00
90	90	1	90	50.75
<b>264.7 (Total)</b>				



**NOTES:**

- SITE PLAN DOES NOT REFLECT ALL UNDERGROUND UTILITIES. INSTALLER SHALL VERIFY ALL UNDERGROUND 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 SWAMP PUMP LINE SHALL BE CONSTRUCTED THROUGH THE POOL HOUSE. EXISTING SWAMP LINE CONNECTED, IT MUST BE REMOVED(CAPPED) AND RELOCATED. INSTALLER MUST VERIFY ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- INSTALLER MAY NEED TO PURCHASE CONCRETE COLLAR AROUND BASIN FOR BUOYANCY PURPOSES.



**GRAPHIC SCALE**  
( IN FEET )  
1 Inch = 20 Ft.

**LOCUS MAP**  
N.T.S.

**ZONE**  
MUN. FRONTYARD    MUN. SIDEYARD    MUN. REARYARD

**NO PUBLIC WELLS WITHIN 400 FEET EXCEPT AS SHOWN.**

**NO PRIVATE WELLS WITHIN 200 FEET EXCEPT AS SHOWN.**

**NO WELLS WITHIN 100 FEET OF ANY EXISTING WELLS.**

**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 FLOODING SHOWN IF ANY.**

**SITE IS IN 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 (1-888-334-7233).

**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

REVISIONS:

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HOLLISTON, MA 01746  
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F: 508-429-7160  
www.GLMengineering.com

DES: JMN SCALE: 1" = 20' JOB #151726 SHEET #1 of 1  
**#16 NASON HILL LANE**