

5031 TRACEWOOD CT

11132108

5/6/08

marliwr

Groundwater and Wastewater Services File Imaging Project
May 2007
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CERTIFICATE OF COMPLETION/OPERATION PERMIT 240

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 3346 A DATE: 4-4-94

TC: 111-321-08 ☐ L ☒ CRT

SERIAL № 15777

Name of Owner Joe Layton Juris.:

Address of Property 5031 Tracewood Ct

Inspection Data:

Tank Material PCC

Total Length of Drainfield 400'

Number of Lines 4 @ 100' each

Cover Depth 12"-24"

Water Supply Source well

Distance to Water Source 100' +

Excavation Inspected 4-4-94

Tank(s) Inspected 3-31-94

Wash Line Inspected —

High Water Alarm Inspected 5-19-94

PLOT

Design: 1994, pumpto con, 1500gst, 1000gpt, 1200sqft, 12" stone, cecil like CTR# AH Stewart 206

The undersigned has inspected the Septic Tank System described above, and certifies it has been

☒ installed or constructed ☐ altered or repaired

☒ in accordance with the permit issued ☐ as detailed in the plot above

and meets the provisions of 10 NCAC 10A .1900, "Laws And Rules For Sanitary Sewage Collection, Treatment, And Disposal" in effect on the date of issuance of the permit. The issuance of this

☐ Certificate of Completion ☒ Operation Permit

does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of ~~10 NCAC 10A~~ .1900 in addition to those listed below under "COMMENTS." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

COMMENTS: 3 bdrm house design 4/10 hp Myers Pump

Type III

J. Walker for A. Jamal
5/23/94

Environmentalist

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR ~~PERMIT~~ Approval

4004

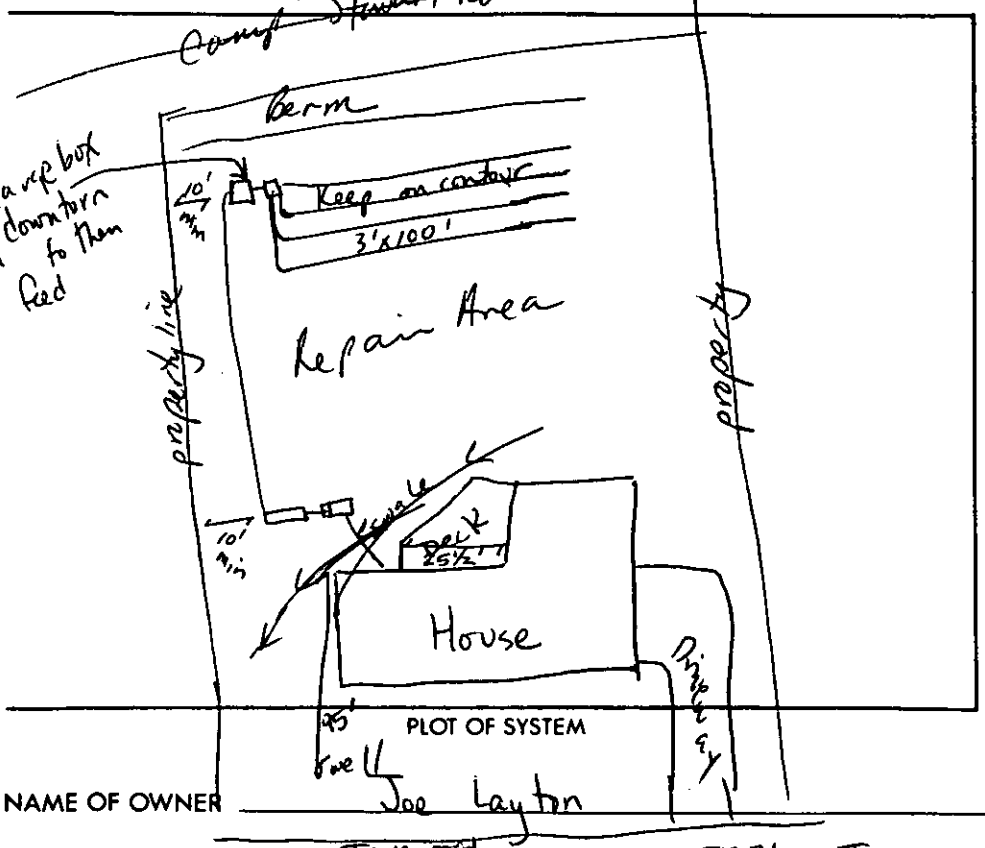
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 3346 A DATE: 3-30-94

TC: 111-321-08 ~~EXL~~

SERIAL Nº 15942

Permission is hereby given to ✓ Install or Construct, _____ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in the application dated July 1, 1993. All work shall be completed on or before 4-30-94, after which date this permit shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now or hereafter owning, controlling or using such system from any liability resulting ~~from the~~ failure of the system to operate properly.



Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank 1000 gallons

Tank Construction RCC

Absorption and/or Nitrification Lines:

Trench Width 3' feet

Total Line Length 400' feet

Number of Lines 4 at 100' each

Depth of Stone 12" inches

Distance from House 5' min feet

Distance from Property Line 10' min feet

Distance from Well 100' feet

12"-16" soil cover

NAME OF OWNER Joe Layton

LOCATION OF PROPERTY Tracewood 5031 Tracewood Ct.

Comments: Keep drainlines on contour. Use large box w/ downturn to feed into equal distribution box. Install pump, pump controls & alarm according to current NC State Regulations. System designed for 3 bedroom house. Level terraces.

P. Walker for S. Daniel 4/13/94
Division or Section Head

Susan Patterson
Environmentalist

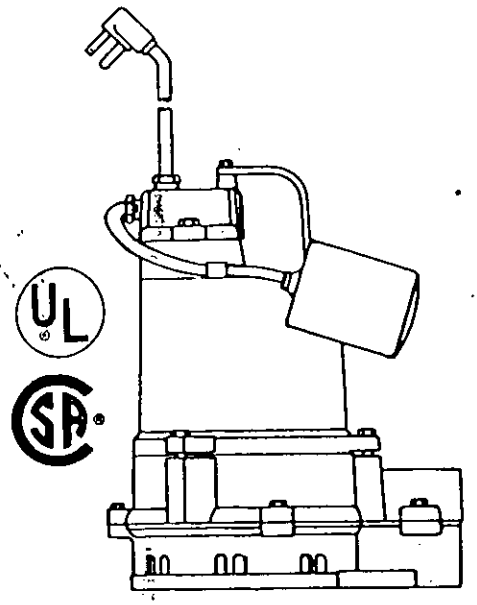
* If this permit is for the installation or construction of a new system, it must be signed by the division or a section head of the Mecklenburg County Health Department in order to be valid. Only the signature of the Environmentalist is required where an existing system is being altered or repaired.

Sump, Effluent and Sewage Pumps Installation, Maintenance and Service Manual

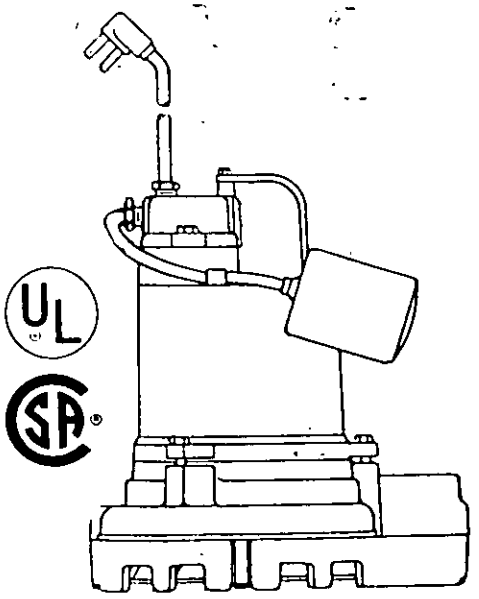
Myers®

SSM33A1-SSM33A1C-YSSM33A2
SSM33M1C-YSSM33M2
SSM4A1C-SSM4A2C
SSM4M1C-SSM4M2C
SRM4A1C-SRM4A2C
SRM4M1C-SRM4M2C
SRM4P-1-SRM4P-2
SRM4PC-1-SRM4PC-2

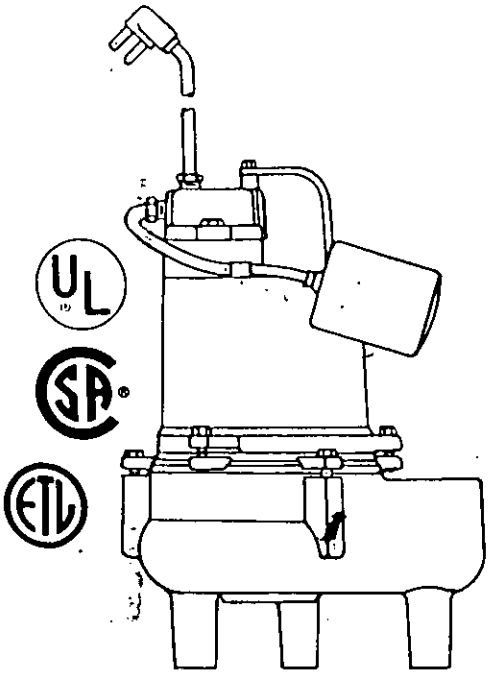
4/10 hp



SSM33



SSM4



SRM4

2" stub

UNPACK THE PUMP

The sump pumps are carefully packaged to prevent damage in shipping, however, occasionally damage may result due to rough handling. Carefully go over the pump and check for cracks or other damage that could cause pump to fail. Read these instructions before installing pump.

SAFETY PRECAUTIONS

All Myers sump pumps are grounded to prevent electrical shock. POWER CORD MUST BE PLUGGED INTO GROUNDED TYPE RECEPTACLE. A separate circuit breaker or fuse block should be used for the pump and 15 amp circuit breaker or fuse should be used.

Receptacle must be installed at least 4 feet above floor level to prevent tampering by small children and to be out of possible flooding range. Be careful with power cord to prevent cutting or pinching.

DO NOT USE AN EXTENSION CORD WITH SUMP PUMP. DO NOT CUT OFF GROUND PIN OR USE AN ADAPTER FITTING. DO NOT WORK ON PUMP OR SWITCH UNTIL POWER CORD OR CORDS ARE UNPLUGGED. ALL WIRING SHOULD BE COMPLETED BY A CERTIFIED ELECTRICIAN IN ACCORDANCE WITH LOCAL CODES AND MOST RECENT NATIONAL ELECTRIC CODE (NEC-ANSI/NFPA 70).

VOLTAGES

The SSM33 is offered in 115 volt-60 hertz, and the SSM4 & SRM4 are offered for either 115 volt or 230 volt-single phase-60 hertz.

USES - SSM33 & SSM4

The SSM33 and SSM4 sump pumps can be used to pump any basement drainage water. NOT TO BE USED FOR SEWAGE WATER EXCEPT TO PUMP SEPTIC TANK EFFLUENT.

The SSM4 pumps are generally used where more capacity or a heavier duty pump is desired. DO NOT POUR PAINT, TAR, PAINT THINNERS, OR OTHER SOLVENTS INTO SUMP BASIN. See installation drawings with these instructions.

USES - SRM4

The SRM4 sewage pumps are used to pump all domestic sewage and waste water generated in the home. Pump will pass 2 inch diameter solids.

Whenever the sewer or septic tank inlet is above the house drainage system a pump must be used. This usually occurs where a toilet or bath facility is required in the basement and the footer drainage is generally piped off to a lower area. If gravity drainage of the footer is not possible, a sump pump must be used and is usually discharged at ground level.

Many cities require a home to have two sump pumps, one to pump footer drainage and other clean water into the storm sewer and a second pump to handle washing machine water, water softener and mop or other cleaning water. The water handled by this second pump is sometimes called gray water and is pumped into the septic tank.

SEPTIC TANK PUMPING

All of these models can be used to pump septic tank effluent but must be installed in separate tank or compartment at the discharge side of the septic tank. NEVER INSTALL PUMP DIRECTLY IN MAIN TANK WHERE SLUDGE COLLECTS.

For septic tank pumping the power cord should be plugged into a grounded-type receptacle located outside of the sealed effluent septic tank. If a junction box is used all wiring must be completed by a certified electrician.

SUMP BASIN

The SSM33 or SSM4 sump pumps can be installed in any open or closed type sump basin with a diameter of 12 to 18 inches. A polyethylene, fiberglass or concrete tile basin may be used. If concrete tile is used, cement should be poured in the bottom to give a smooth surface free of stones.

The SRM4 sewage pumps must be installed in a basin with gas tight cover and basin must have a vent pipe that is connected to the house sewage vent system. The basin must be a minimum of 18 inches diameter and 30 inches deep.

WARNING: Sump basin must be vented in accordance with local plumbing codes. These pumps are not designed for and **CAN NOT** be installed in locations classified as hazardous in accordance with the National Electric Code ANSI/NFPA 70.

A float control or adjustable level ALC control can be used with any of these models.

PIPING

Pumps can be installed with ABS, PVC, Polyethylene or galvanized steel pipe. Proper adapters are required to connect plastic pipe to pump. Copper pipe is generally not used because of cost but if used a plastic threaded insulation bushing must be used in the pump case.

The SSM33 and SSM4 units use 1½ inch pipe and the SRM4 units use 2 inch pipe.

A CHECK VALVE MUST BE USED IN THE DISCHARGE LINE FOR ALL PUMPS. The SRM4 sewage pumps require a free flow valve that will not clog with solids. A shutoff valve should be used with all SSM33 and SSM4 sump pumps and must be used for the SRM4 sewage pumps. Always install check valve with arrow on body in the direction of flow.

AIR LOCKING

A sump pump is said to be air locked if water traps in the pump and it can not get out, thus preventing pump from operating.

ALL MYERS SUMP PUMPS HAVE A SMALL AIR VENT HOLE IN THE IMPELLER CHAMBER TO LET OUT TRAPPED AIR. IF THIS HOLE BECOMES PLUGGED, PUMP MAY AIR LOCK. THIS USUALLY HAPPENS ON PUMPS THAT ARE USED MAINLY IN THE WET SEASONS. IN SUMMER MONTHS, THE PUMP MAY BE TURNED OFF AS SUMP WATER DRIES UP. WHEN PUMP IS TURNED ON AGAIN AND WATER COMES UP IN SUMP, THE AIR WILL TRAP IN PUMP IF NOT VENTED.

AS A SECONDARY PRECAUTION IN INSTALLATIONS OF THIS TYPE - **1/8" HOLE SHOULD BE DRILLED IN THE DISCHARGE PIPE BELOW THE CHECK VALVE.** THE CHECK VALVE SHOULD BE 12 TO 18 INCHES ABOVE PUMP DISCHARGE. DO NOT PUT CHECK VALVE DIRECTLY INTO PUMP DISCHARGE OPENING.

In normal sumps where the pump is operating daily, air locking rarely occurs.

STARTING PUMP—SSM33A & SSM4A

1. These pumps have an integral ball float switch as shown on installation drawing.
2. The SSM33A1-A1C & SSM4A1C are for 115 volts and SSM4A2C is for 230 volts. Plug cord into the proper voltage GROUNDED RECEPTACLE. The 115 volt plug will not plug into a 230 volt receptacle and vice versa.
3. Run water into sump until pump starts.
4. Allow pump to operate through several on-off cycles to be sure operation is satisfactory.
5. If shut-off valve is used in discharge line, be sure valve is open.
6. If pump does not operate properly, see trouble service chart for remedy.

NOTE: TETHER LENGTH OF SWITCH CORD MUST BE A MINIMUM OF 3½" AS NOTED IN DIAGRAMS.

STARTING PUMP—SSM33M & SSM4M USING MFS SWITCH WITH SERIES PLUG

1. Install unit as shown on the installation drawing. Secure ball float to discharge pipe with minimum 3½ inches between float and cable tie.
2. The SSM33M1C & SSM4M1C are for 115 volts and the SSM4M2C is for 230 volts. Plug MFS switch cord series plug into proper voltage GROUNDED RECEPTACLE.
3. Plug pump cord plug into back of switch cord series plug.
4. Run water into sump until pump starts. The level should be 12 to 13 inches above sump bottom.
5. Be sure gate valve in discharge line is open.
6. Run pump through several on-off cycles.
7. If pump does not operate properly, see trouble service chart for remedy.

NOTE: TETHER LENGTH OF SWITCH CORD MUST BE A MINIMUM OF 3½" AS NOTED IN DIAGRAMS.

STARTING PUMP—SRM4A

1. These pumps have an integral ball float switch as shown on installation drawing.
2. These units are installed in basin with sealed cover, so switch operation cannot be observed. The sump cover, however, usually has a spare hole that is closed with a rubber plug. This plug can be removed and a flashlight can be used to observe switch operation.
3. The SRM4A1C is for 115 volts and the SRM4A2C is for 230 volts. Plug cord into proper voltage GROUNDED RECEPTACLE. The 115 volt plug will not plug into a 230 volt receptacle and vice visa.
4. Run water into sump until pump starts.
5. Be sure gate valve in discharge line is open.
6. Allow pump to operate through several on-off cycles.

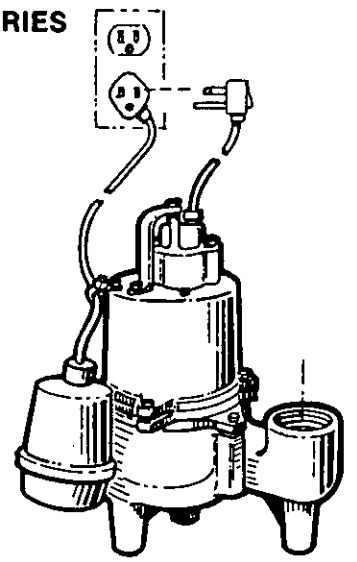
NOTE: TETHER LENGTH OF SWITCH CORD MUST BE A MINIMUM OF 4" AS NOTED IN DIAGRAMS.

STARTING PUMP—SRM4M USING MFS SWITCH WITH SERIES PLUG

1. Install unit as shown on the installation drawing. Secure ball float to discharge pipe with minimum 4 inches between float and cable tie.
2. As the basin cover is sealed, the rubber plug in the cover can be removed for observation using a flashlight.
3. The SRM4M1C is for 115 volts and the SRM4M2C is for 230 volts. Plug MFS switch cord series plug into proper voltage GROUNDED RECEPTACLE.
4. Plug pump cord plug into back of switch cord series plug.
5. Run water into sump until pump starts. Be sure discharge line valve is open.
6. Operate pump through several on-off cycles. Observe operation through inspection hole. Be sure to replace rubber plug after observation.
7. If pump does not operate properly, see trouble service chart with these instructions.

NOTE: TETHER LENGTH OF SWITCH CORD MUST BE A MINIMUM OF 4" AS NOTED IN DIAGRAMS.

SRM4P SERIES



STARTING PUMP—SRM4P SERIES

1. These pumps have a mechanical (mercury-free) float switch with a 10 ft. or 20 ft. cord and a 115 volt or 230 volt series piggyback plug, with switch mounted to the pump.
2. Plug the switch cord plug into a proper voltage, properly grounded outlet.
3. Plug the pump power cord into the back of the switch cord.
4. Tape the cords to the discharge pipe every 12 inches.
5. Run water into sump until pump starts. Be sure discharge line valve is open.
6. Allow pump to operate through several on-off cycles.
7. If pump does not operate properly, see trouble service chart for remedy.

USING THE SSM33M, SSM4M, OR SRM4M FOR MANUAL OPERATION

The pump cord for these units can be plugged directly into proper GROUNDED RECEPTACLE for continuous pump operation.

CAUTION: THIS TYPE OF OPERATION SHOULD BE USED ONLY FOR EMERGENCY USE OR WHERE A LARGE VOLUME OF WATER IS TO BE PUMPED, SUCH AS A FLOODED BASEMENT.

PUMP MUST NOT BE RUN CONTINUOUSLY OUT OF WATER.

DO NOT USE WITH EXTENSION CORD.

HOW MECHANICAL SWITCH FLOAT OPERATES

This level control uses a mechanical switch sealed in a polypropylene float cylinder. The mechanical switch is made so not to be position sensitive; that is, it will operate regardless of position.

When level rises in the sump, the cylinder floats up with the level. When the cylinder position is at an angle of about 45° the mechanical detent is overcome and the switch is activated. This starts the pump motor.

As the sump level draws down, the cylinder floats down and when it is again at an angle of about 45° the mechanical switch is deactivated and the motor stops.

BE SURE CYLINDER FLOATS FREELY IN SUMP BASIN WITHOUT TOUCHING THE BASIN WALLS. ADJUST PUMP POSITION IN SUMP IF NECESSARY.

PUMP MOTOR

NEVER REMOVE MOTOR HOUSING OR UNSCREW PUMP IMPELLER. Warranty on pump is void if motor housing, impeller or seal have been removed. Any repair on motor must be done by an authorized Myers service center.

PUMP MOTOR - 50 HERTZ - YSSM33A & YSSM33M

The same pump ends are used for both 50 and 60 cycle current but the 50 cycle pumps have motors wound especially for 50 cycle. Most 50 cycle pumps are for 220 volts.

As the same pump end is used for both 50 and 60 cycle, the 50 cycle unit delivers less flow and head since the 50 cycle speed is slower. Motor speed is reduced in the ratio of 50/60 or .833 times the speed.

The 60 cycle pumps operate at about 1650 RPM, so the 50 cycle pumps operate at about 1375 RPM.

See pump curves for 50 cycle performance. 50 cycle pumps generally take a special cord and plug for the 220 volts used in countries using 50 cycle.

MAINTENANCE AND SERVICE

If pump does not operate properly, follow steps shown on servicing chart. If trouble can not be located with these steps shown, call Myers service dealer, or take pump to Myers authorized service center.

CAUTION: FOR ANY WORK ON PUMP OR SWITCH, ALWAYS UNPLUG POWER CORD. DO NOT JUST TURN OFF CIRCUIT BREAKER OR UNSCREW FUSE.

CLEANING FLOAT

If pump becomes inoperative because of accumulation of trash on the float, remove pump from sump and clean float.

1. Wipe all water and dirt from pump and float.
2. Be sure float operates freely after cleaning.
3. If tar or paint has been put in the basin, it may be necessary to thoroughly clean the float. Kerosene can be used to remove tar or paint.

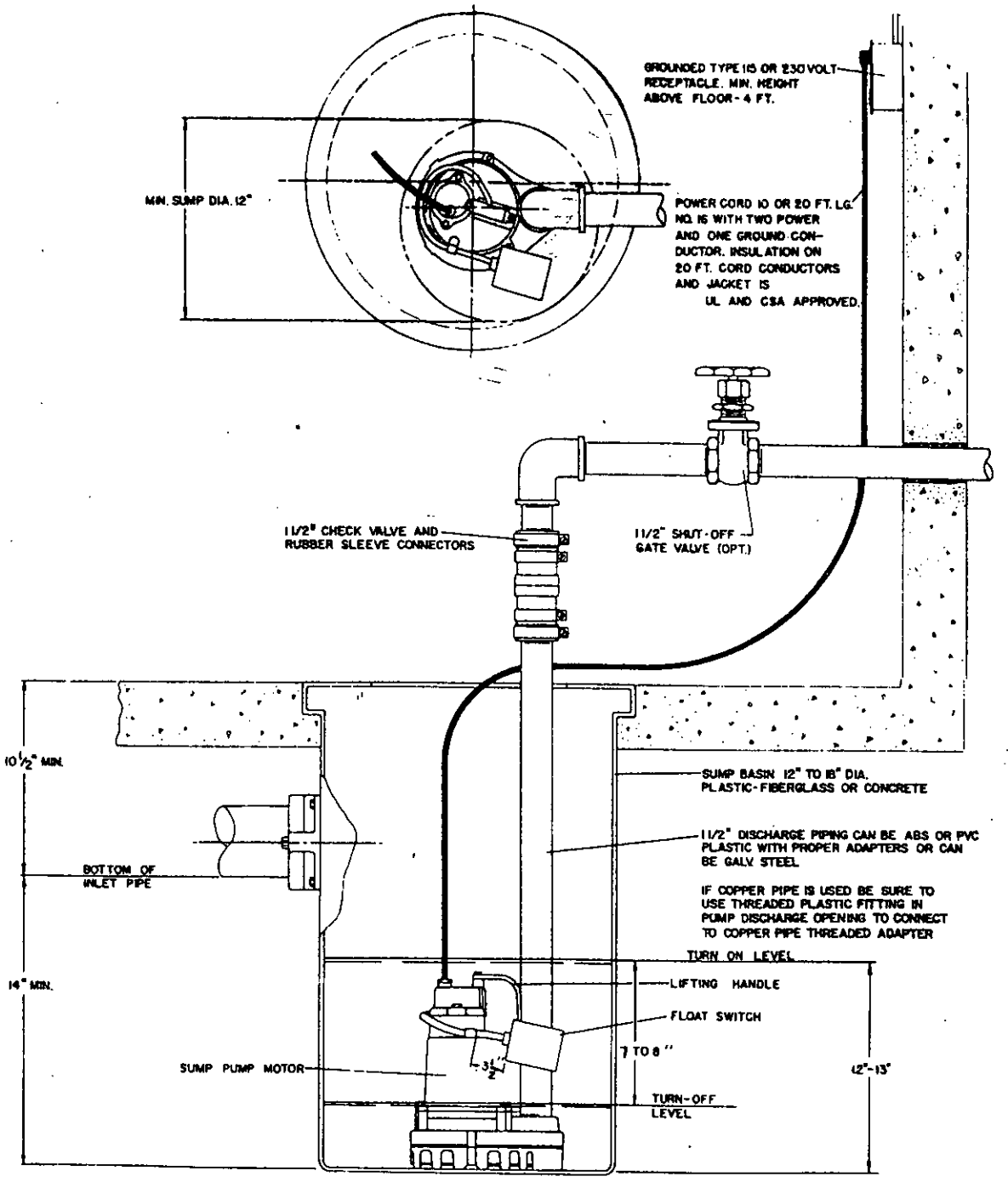
CLEANING IMPELLER AND VOLUTE CASE FOR SSM33 & SSM4

1. Remove screws that hold lower plastic base to metal housing.
2. Use screwdriver to pry plastic base from metal housing. Use care not to gouge groove in the plastic. Pry in several spots to loosen.
3. Remove base and clean impeller and volute passage. If tar or paint has entered pump, it may be necessary to clean with kerosene. DO NOT USE STRONG PAINT SOLVENTS ON THESE PARTS.
4. Be sure impeller turns freely after cleaning.
5. Clean out holes in plastic pump base and wash thoroughly before replacing.
6. DO NOT UNSCREW IMPELLER.

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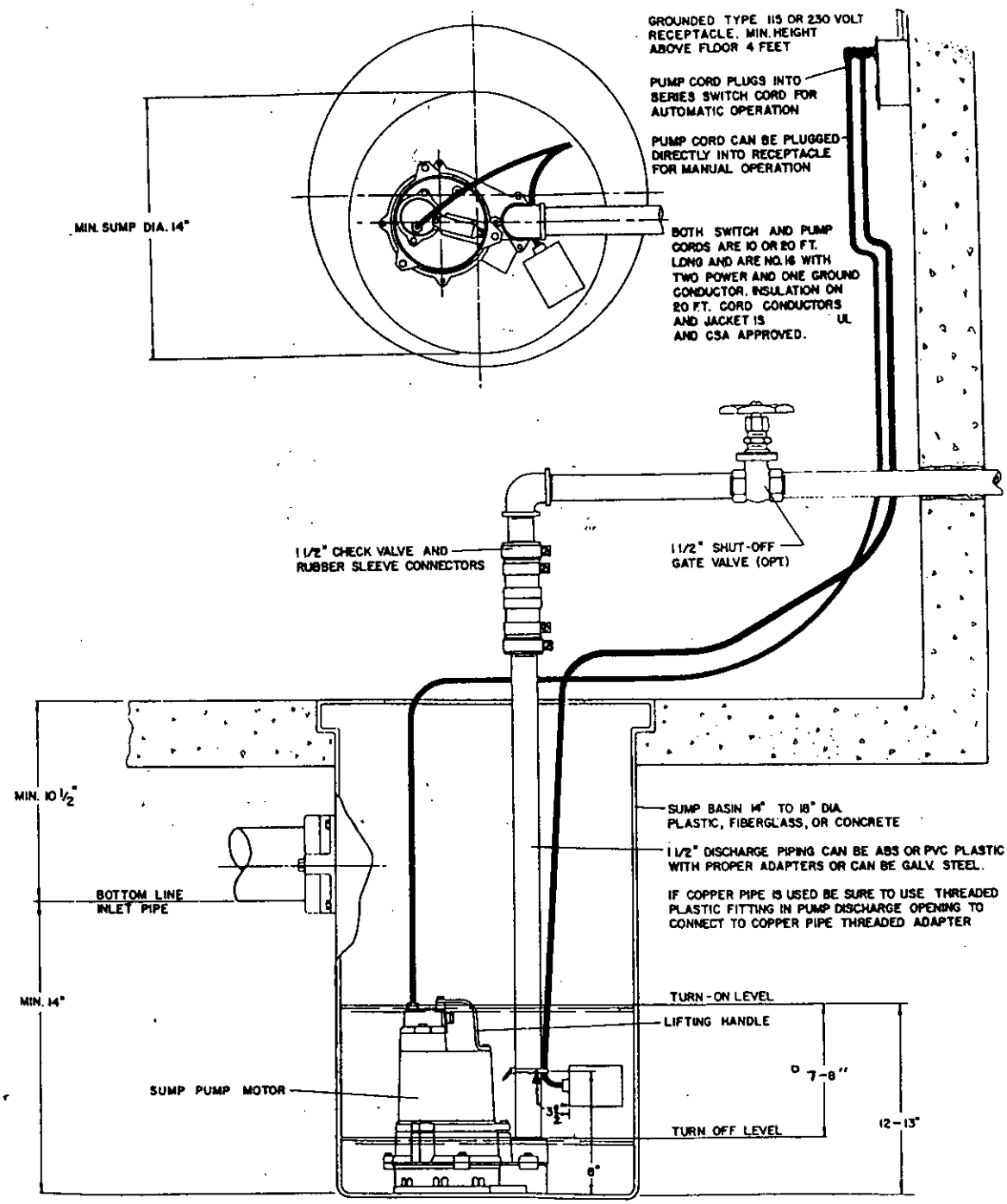
SYMPTOMS	Line circuit breaker may be off, or fuse if used, may be blown or loose.	Water level in sump may be too low. Run in more water. Turn on level is 12 to 13 inches above sump bottom.	Pump cord plug may not be making contact in receptacle.	If pump is using the series cord plug, the two plugs may not be plugged tight together.	Float may be stuck. Be sure float operates freely in basin.	If all symptoms check OK, motor winding may be open; take to service center for check.	Check valve may be installed backwards. Arrow on valve points in direction of flow.	Discharge shut-off valve, if used, may be closed.	Pump may be air locked. Start & stop several times by plugging & unplugging cord. Check vent hole in pump case for plugging.	Pump head may be too high. Pump cannot deliver water over 18 Ft. vertical. Horizontal distance does not affect pumping, except loss due to friction.	Inlet holes in pump base may be clogged. Remove pump and clean out openings.	Impeller or volute openings may be plugged or partially plugged. Remove pump & clean per maintenance instructions.	Float is stuck in up position. Be sure float operates freely in basin.	Pump impeller may be partially clogged with tar or paint, causing motor to run slow, resulting in motor overload.	Fuse size or circuit breaker is too small. Must be 15 amps.	Defective motor stator: return to Myers service center.
...does ... hum.	X	X	X	X	X	X										
...runs ... not deliver water.							X	X	X	X	X	X				
...runs ... pumps out sump but does not stop.													X			
...runs ... delivers only small amount of water.									X	X	X	X		X		
...circuit breaker trips when pump starts.											X	X		X	X	X
...runs ... then stops. Then after short ... indicates tripping overload caused											X	X		X		X

...SYMPTOMS CALL MYERS SERVICE DEALER — CHECK TETHER LENGTH OF SWITCH PER INSTRUCTIONS.



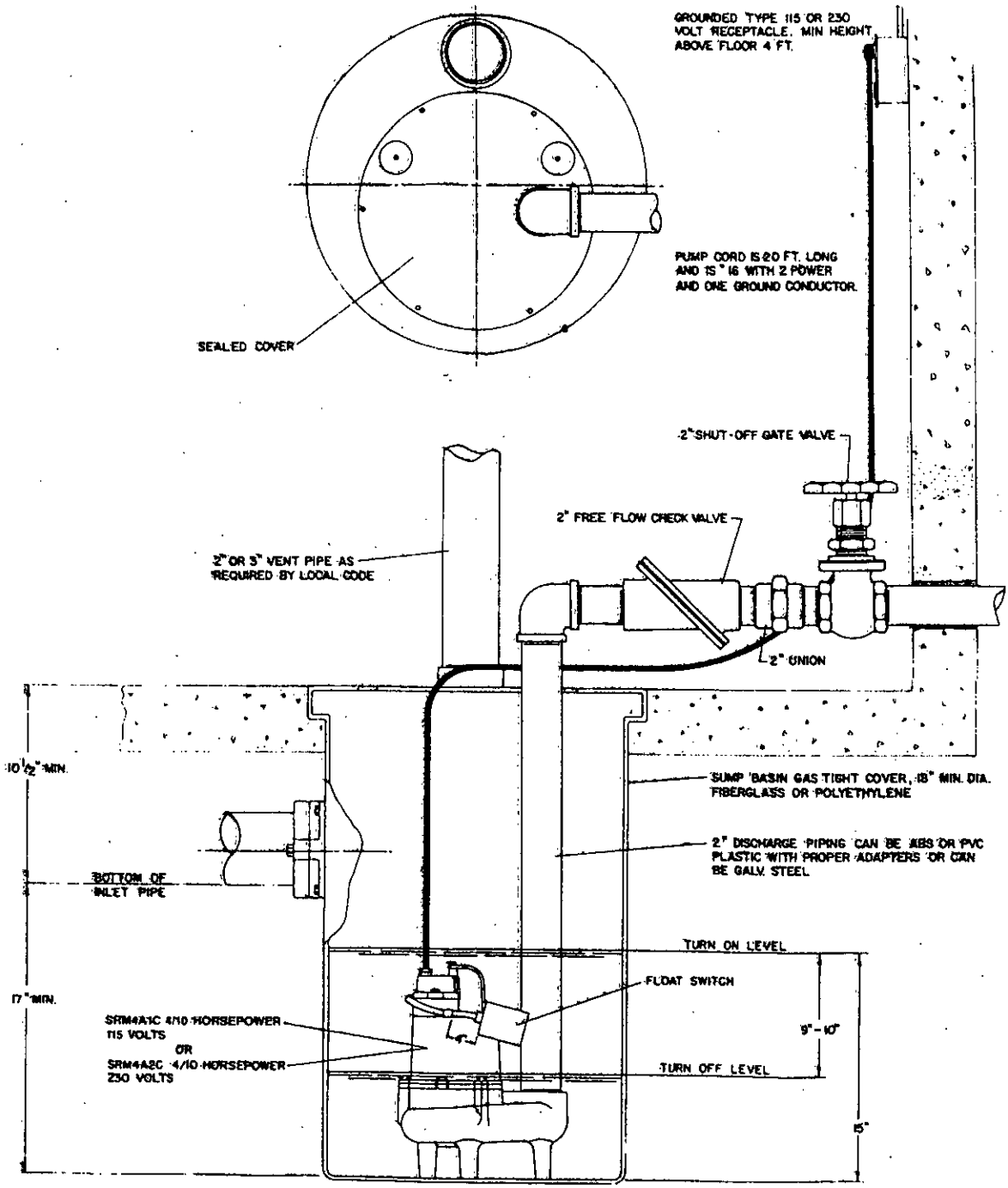
TYPICAL INSTALLATION DRAWING SSM33A1C OR SSM4A1C
SUMP PUMP WITH FLOAT SWITCH

Figure 1



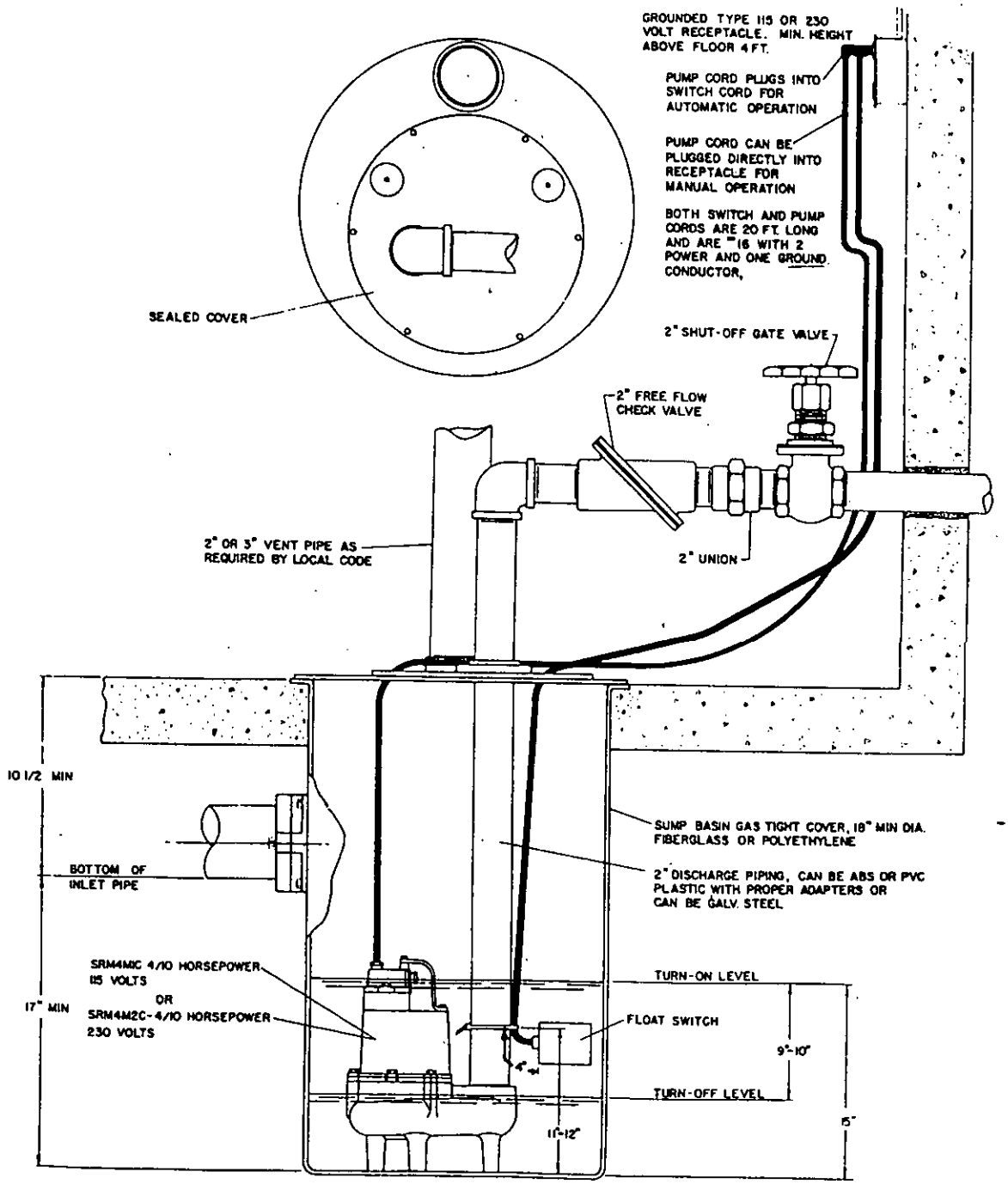
TYPICAL INSTALLATION DRAWING SSM33M OR SSM4M
SUMP PUMP WITH SERIES PLUG FLOAT SWITCH

Figure 2



TYPICAL INSTALLATION DRAWING SRM4A1C OR SRM4A2C
SEWAGE PUMP WITH FLOAT SWITCH

Figure 3



TYPICAL INSTALLATION DRAWING SRM4M1C OR SRM4M2C
SEWAGE PUMP WITH SERIES PLUG FLOAT SWITCH

Figure 4

77323

MYERS
LIMITED WARRANTY
SUMP & RESIDENTIAL SEWAGE

During the time periods and subject to the conditions hereinafter set forth, **F. E. Myers** will repair or replace to the original user or consumer any portion of your new **MYERS product which proves defective due to defective materials or workmanship of MYERS**. Contact your nearest Authorized **MYERS** Dealer for warranty service. At all times **MYERS** shall have and possess the sole right and option to determine whether to repair or replace defective equipment, parts, or components. Damage due to lightning or conditions beyond the control of **MYERS** is NOT COVERED BY THIS WARRANTY.

WARRANTY PERIOD

Pumps: 12 months from date of installation or 18 months from date of manufacture, whichever occurs first.

Labor, etc. Costs: MYERS shall IN NO EVENT be responsible or liable for the cost of field labor or other charges incurred by any customer in removing and/or reaffixing any **MYERS** product, part or component thereof.

THIS WARRANTY WILL NOT APPLY: (a) to defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with printed instructions provided; (b) to failures resulting from abuse, accident or negligence; (c) to normal maintenance services and the parts used in connection with such service; (d) to units which are not installed in accordance with applicable local codes, ordinances and good trade practices; or (e) unit is used for purposes other than for what it was designed and manufactured, and (f) if three phase submersible motors are installed on a single phase power supply using a phase converter or if three phase power is supplied by only two transformers, making an open Delta system.

RETURN OR REPLACED COMPONENTS: any item to be replaced under this Warranty must be returned to **MYERS** in Ashland, Ohio, or such other place as **MYERS** may designate, freight prepaid.

PRODUCT IMPROVEMENTS: MYERS reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for units sold and/or shipped prior to such a change or improvement.

WARRANTY EXCLUSIONS: As to any specific **MYERS** product, after the expiration of the time period of the warranty applicable thereto as set forth under the heading "Warranty Periods" above, THERE WILL BE NO WARRANTIES INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. No warranties or representations at any time made by any representative of **MYERS** shall vary or expand the provisions hereof.

LIABILITY LIMITATION: IN NO EVENT SHALL **MYERS** BE LIABLE OR RESPONSIBLE FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES RESULTING FROM OR RELATED IN ANY MANNER TO ANY **MYERS** PRODUCT OR PARTS THEREOF.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Warranty gives you specific legal rights and you may also have other rights which vary from state to state. In the absence of suitable proof of this installation date, the effective date of this warranty will be based upon the date of manufacture plus one year.

Direct All Notices, etc. To: Service Department, **F. E. MYERS,** 1101 Myers Parkway, Ashland, Ohio 44805-1969.

DETERMINATION OF UNIT DATE OF MANUFACTURE: Submersible Sump pump (8-84) month and year stamped on pump nameplate; column sump pump subtract 18 months from month and year on red warranty tag.

Myers™
F.E. Myers
1101 Myers Parkway
Ashland, Ohio 44805-1969

419/289-1144
FAX: 419/289-6658, TLX: 948-7443

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13800A991

PRINTED WITH SOY INK

Mecklenburg County
Health Department

Betty S. Snow, R.N., M.A.
Health Director

April 5, 1994

Joe Layton
5134 Tracewood Court
Charlotte, NC 28215

Re: 5031 Tracewood Court
File: 3346A
Parcel: 111-321-08

Dear Mr. Layton:

At your request an inspection was made at the above referenced property to facilitate the issuance of an Operation Permit for the On-Site Sewage Treatment and Disposal System. During the inspection it was found that the following items did not meet the regulations set forth in the "Laws and Rules for Sewage Treatment and Disposal Systems 15A NCAC 18A .1900; .1952 Septic Tank, Dosing Tank and Lift Station Design." Our comments follow:

1). (5) Sealed mercury control floats or similar devices designed for detecting liquid levels in septic tank effluent shall be provided to control pump cycles. A separate level sensing device shall be provided to activate the high-water alarm. Pump-off level shall be set to keep the pump submerged at all times or in accordance with manufacturer's specifications. A minimum of 12 inches of effluent shall be maintained in the bottom of the pump tank. The high-water alarm float shall be set to activate within six inches of the pump-on level. The lag pump float switch, where provided, shall be located at or above the high-water alarm activation level.

2). Pump and control circuits shall be provided with manual circuit disconnect within a watertight, corrosion-resistant, outside enclosure (NEMA 4X or equivalent) adjacent to the pump tank, securely mounted at least 12 inches above the finished grade. The pump(s) shall be manually operable without requiring the use of special tools or entrance into the tank for testing purposes. Conductors shall be conveyed to the disconnect enclosure through water proof, gasproof, and corrosion-resistant conduits, with no splices or junction boxes provided inside the tank. Wire grips, duct seal, or other suitable material shall be used to seal around wire and wire conduit openings inside the pump tank and disconnect enclosure.

3). (9) The pump tank shall have a properly functioning high-water alarm. The alarm circuit shall be supplied ahead of any pump overload and short circuit protective devices. The alarm shall be audible and visible by system users and weatherproof if installed outdoors in an enclosure (NEMA 4X or equivalent).

4). .1954(b)(5) •The access manhole shall extend at least to six inches above finished grade and be designed and maintained to prevent surface water inflow.

The above mentioned items must be installed and inspected prior to the Operation Permit being issued. The Operation Permit is required for the Certificate of Occupancy and the permanent electric hook-ups. Please schedule the inspections at least five (5) working days in advance to ensure no delays in the Operation Permit issuance.

If you have any questions concerning this matter, please contact me at 336-5569.

Sincerely,

Susan M. Bateman, R.S.
Individual Water and Wastewater Systems

SB:gf

cc: Mr. A.H. Stewart, septic tank contractor

Mecklenburg County
Health Department

January 15, 1993

Betty S. Snow, R.N., M.A.
Health Director

Mr. ~~James M. Williams~~ Joe Layton
~~P.O. Box 748~~ 5134 Tracewood Court
~~Cornelius, NC 28031~~ Charlotte NC 28215

Re: ~~16521 Belle Isle Drive~~ 5031 Tracewood Court
File: ~~12594 (tax parcel 001-312-51)~~ 3346 A
Parcel 111-321-08

Dear Mr. ~~Williams:~~ Layton:

At your request an inspection was made at the above referenced property to facilitate the issuance of an Operation Permit for the On-Site ~~Sanitary System of~~ Sewage Treatment and Disposal System. During the inspection it was found that the following items did not meet the regulations set fourth in the "Laws and Rules for ~~Sanitary~~ Sewage ~~Collection~~ Treatment, and Disposal Systems" 15A NCAC 18A .1900; .1952 Septic Tank, Dosing Tank and Lift Station Design." Our comments follow:

1) (5) (see other side)

2). (6) Pump and control circuits shall be provided with manual circuit disconnects within a watertight, corrosion-resistant, outside enclosure (NEMA 4X or equivalent) adjacent to the pump tank, securely mounted at least 12 inches above the finished grade. The pump(s) shall be manually operable without requiring the use of special tools or entrance into the tank for testing purposes. Conductors shall be conveyed to the disconnect enclosure through water proof, gasproof, and corrosion-resistant conduits, with no splices or junction boxes provided inside the tank. Wire grips, duct seal, or other suitable material shall be used to seal around wire and wire conduit openings inside the pump tank and disconnect enclosure.

3). (9) The pump tank shall have a properly functioning high-water alarm. The alarm circuit shall be supplied ahead of any pump overload and short circuit protective devices. The alarm shall be audible and visible by system users and weatherproof if installed outdoors in an enclosure (NEMA 4X or equivalent)

see other side

The above mentioned items must be installed and inspected prior to the Operation Permit being issued. The Operation Permit is required for the Certificate of Occupancy and the permanent electric hook-ups. Please schedule the inspections at least five (5) working days in advance to ensure no delays in the Operation Permit issuance.

Please call me at 336-2570 to discuss any question you may have concerning this matter.

Sincerely, 1/16/40

[illegible]

cc: Mr. A.H. Stewart, septic tank contractor

1. (5) Sealed mercury control floats or similar devices designed for detecting liquid levels in septic tank effluent shall be provided to control pump cycles. A separate level sensing device shall be provided to activate the high-water alarm. Pump-off level shall be set to keep the pump submerged at all times or in accordance with manufacturer's specifications. A minimum of 12 inches of effluent shall be maintained in the bottom of the pump tank. The high-water alarm float shall be set to activate within six inches of the pump-on level. The lag pump float switch, where provided, shall be located at or above the high-water alarm activation level.

4. .1954 (b)(5) The access manhole shall extend at least to six inches above finished grade and be designed and maintained to prevent surface water inflow.

A.H. Stewart

P O Box 567

Harrisburg NC 28075

400 LA
3346A

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

Lot 59 Sec 1 Map 1066 ct 3149 CRT 7/1/93

Mecklenburg County Health Dept.
Environmental Health Division
c/o Hal Marshall Ctr., Suite 211
700 N. Tryon St.
Charlotte, NC 28202

(704)336-5102

PERSON FILING APPLICATION:
NAME: Layton (last) Joe (first) B. (mi)
ADDRESS: 5134 Tracewood Ct. PHONE: (__) 563-5892
CITY: Charlotte STATE: NC. ZIPCODE: 28215

Date: July 1-93

PROPERTY OWNER:
NAME: Layton (last) Joe (first) B. (mi)
ADDRESS: 5134 Tracewood ct PHONE: (__) 563.5892
CITY: Charlotte STATE: NC ZIPCODE: 28215

PROPERTY INFORMATION (FROM ENGINEERING FORM):
TAX/PARCEL NUMBER: #111-321.08
STREET ADDRESS: 5031 Tracewood Ct.
ZONING: _____

SUBDIVISION OR MOBILE HOME PARK NAME:

Township (check one):
[X] 0 Mecklenburg County [] 2 Davidson [] 4 Pineville [] 6 Huntersville
[] 1 Charlotte [] 3 Cornelius [] 5 Matthews [] 7 Mint Hill

TYPE APPLICATION (check one):

LOT NUMBER: 59 LOT SIZE (in acres):

[] SOIL TEST - INDIVIDUAL LOT (D)
[X] NEW CONSTRUCTION ON VACANT LOT - 4 BEDROOMS OR LESS (N)
[] EXCHANGE MOBILE HOME - SAME # BEDROOMS (Y)
[] ADDITION - INCREASE ROOMS/OCCUPANCY/MOBILE HOME SIZE (A or M)
[] COMMERCIAL OR INDUSTRIAL (N)
[] SOIL TEST DEVELOPMENT (P)
[] ADDITION - GARAGE OR RENOVATION/NO MAJOR CHANGES (X)
[] MODIFIED /ALTERNATIVE/ OR RESIDENCE > 4 BEDROOMS (Z)
[] REPAIR TO SYSTEM (R)

RESIDENTIAL PROPERTY (Type Building, check one):
[] SINGLE MOBILE HOME (S) [X] HOUSE (H) [] MULTIPLE FAMILY (U)
[] DOUBLE WIDE (D) [] MODULAR HOME (M) [] OTHER _____ (O)

NUMBER BEDROOMS: 3 NUMBER OCCUPANTS: 2

SYSTEM CLASSIFICATION:

COMMERCIAL/INDUSTRIAL PROPERTY:
Type Business _____ # Employees ___ Per Shift ___ ___ ___
Industrial Wastes (Y/N) ___
Underground Storage Tanks On Property (Y/N) ___ Type _____

WATER SUPPLY (check one):
[] Community (C) [] Shared Well (S)
[] Municipal (M) [] Other 'spring' (O)
[X] Private Well (P)

FUTURE ADDITIONS - ALL PLANNED ADDITIONS MUST BE ENTERED (check all that apply):
[] Swimming Pool [] Jacuzzi [] Stable/Barn [] Workshop [] None
[] Garage [] Storage Building [] Deck/Patio [] Bedrooms [] Other

The undersigned, owner, or legal agent for the owner, of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: Joe Layton Date: July 1-93

NOTICE:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws And Rules For Sanitary Sewage Collection, Treatment And Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

...No work shall be conducted on the septic tank system until an installation, Construction, Alteration and/or Repair approval is granted by this Department.

...This permit is not transferable.

... lift station required

[] IMPROVEMENT PERMIT - VALID 60 MONTHS FROM ISSUANCE
[] MOBILE HOME EXCHANGE APPROVAL - VALID 6 MONTHS FROM ISSUANCE
[] ADDITION/RENOVATION APPROVAL - VALID 1 YEAR FROM ISSUANCE

Environmentalist 7-12-93 Date

Director or Authorized Section Head Date

WATER : 122791

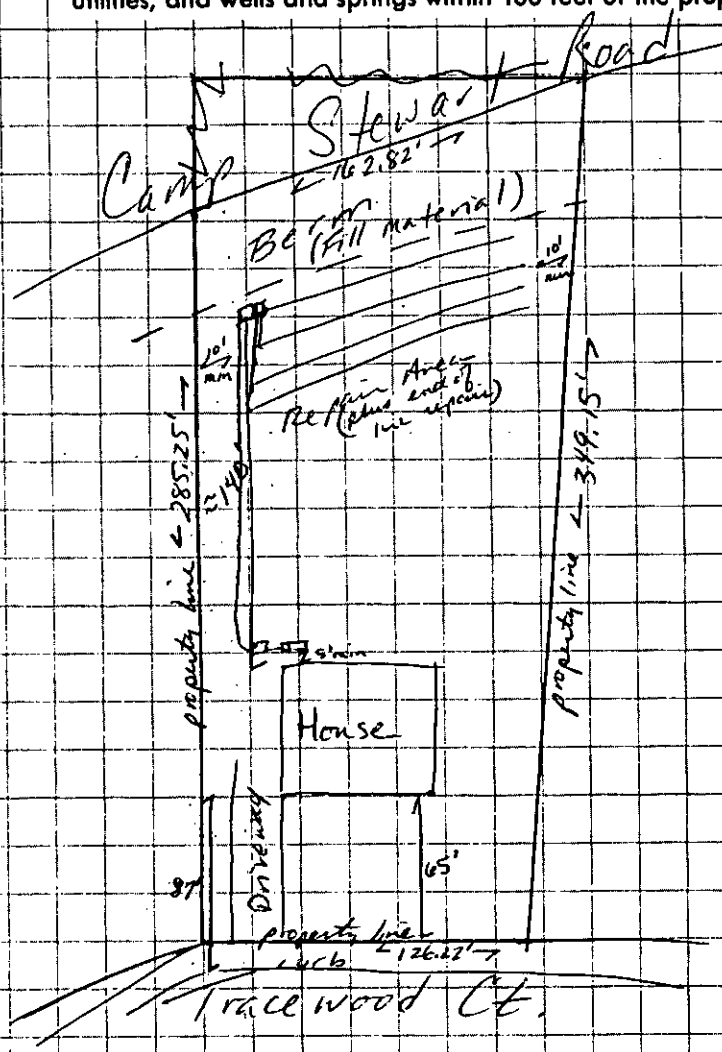
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 3346 A

TC: 111-321-08

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



1500 g septic tank
1000 g pump tank
1200 sq. ft. drainfield
at 4 lines at 3'x100'x12" stone
by 3 lines at 3'x133'x12" stone
each
level terraces in area
of drainfield if necessary
No basement
Keep well min 50',
preferably 100' from any
part of septic tank
system.
Well should be min
25' from bldg foundation

Supply line from pump tank
to go to large dist. box
with downturn on inlet pipe
and then feed into
dist box equally feeding
drain lines.
Install pump controls +
alarm according to current
NC State Regs.

property owner Sign & date 7-15-93

APPROVAL DATE 7-12-93

White - Health Department's Copy Canary - Environmentalist's Copy Pink - Owner's Copy

TO: ENVIRONMENTAL HEALTH DEPT.
BUILDING STANDARDS DEPT.
DEPT. OF ENVIRONMENTAL PROTECTION/
SOLID AND HAZARDOUS WASTE

DATE: 6-25-93

FROM: COUNTY ENGINEERING DEPARTMENT

EHD FILE _____ JURISDICTION CODE MECK

PARCEL NUMBER #111-321-08

ASSIGNED ADDRESS 5031 TRACEWOOD CT

EXISTING ADDRESS Lot #59

PROJECT NAME NORTHLAKE

THE ABOVE DESCRIBED LOCATION HAS BEEN CHECKED CONCERNING:

		APPROVED	DISAPPROVED
1.	SUBDIVISION REGULATIONS	/	_____
2.	FLOODWAY REGULATIONS	/	_____ *
3.	EROSION CONTROL REGULATIONS	/	_____ *
4.	PUBLIC UTILITY EASEMENT	/	_____ *
		PRESENT	NOT PRESENT
5.	PUBLIC UTILITY EASEMENT	/ *	BLK
6.	PROPERTY FRONTS ON THOROUGHFARE	_____ *	/
7.	DRIVEWAY PERMIT REQUIRED	_____ *	/

*If checked, further investigation will be required to determine whether a building permit can be issued by Building Standards for the site.

REMARKS: S.F. HOME.

NOTE: THIS FORM MUST BE TURNED IN AT THE CASHIER'S OFFICE AT BUILDING STANDARDS WHEN PAYING PERMIT FEES.

A CERTIFICATE OF OCCUPANCY WILL NOT BE GRANTED UNTIL THE TRANSPORTATION DIVISION GRANTS FINAL APPROVAL ON DRIVEWAYS.

SIGNED: B. McConico

OPWEAR 06-88

NEW ADDRESS X *

FORM 100