#56

No. 98-17

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH
Town OF Amherst

FEE 160 cc
3/19/98

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

Application for a Permit to Construct (✓) Repair ( ) Upgrade ( ) Abandon ( ) - ☐ Complete System ☐ Individual Components

Lot C Mechanic Street #56 — Location	Haneef Shahabdeen — Owner's Name
Map/Parcel #	277 Northampton Rd. Amherst MA 01002 — Address
Lot #	413-253-0737 — Telephone #
Installer's Name	Howard Environmental Services — Designer's Name
Address	750 No. Pleasant St. Amherst MA 01002 — Address
Telephone #	413-256-8008 — Telephone #

Type of Building: Single Family Dwelling — Lot Size 87,496 Sq. feet
Dwelling — No. of Bedrooms 4 — Garbage Grinder (NO)
Other — Type of Building _____ No. of persons _____ Showers ( ), Cafeteria ( )
Other fixtures _____

Design Flow (min. required) 550 gpd — Calculated design flow _____ gpd — Design flow provided 555 gpd
Plan: Date 6-20-98 — Number of sheets 4 — Revision Date _____
Title Sewage Disposal System for 2.008 Acre Lot Mechanic St.

Description of Soil(s) See Soil Evaluation Form
Soil Evaluator Form No. _____ Name of Soil Evaluator Mark Thompson Date of Evaluation 3-19-98

DESCRIPTION OF REPAIRS OR ALTERATIONS _____

The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed Haneef Shahabdeen — Date 6/12/98 6-24-98

Inspections _____

FORM 1 - APPLICATION FOR DSCP **DEP APPROVED FORM 5/96**

No. 98-17

THE COMMONWEALTH OF MASSACHUSETTS
Amherst BOARD OF HEALTH

FEE 160 cc

CERTIFICATE OF COMPLIANCE

Description of Work: ☐ **Individual Component(s)** ☑ **Complete System**

The undersigned hereby certify that the Sewage Disposal System; Constructed ( ), Repaired ( ), Upgraded ( ), Abandoned ( )
by: _____
at _____
has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. _____ dated _____. Approved Design Flow _____(gpd)
Installer Michael Woodchuck
Designer: Mark Thomp — Inspector _____ Date 11-13-98

The issuance of this certificate shall not be construed as a guarantee that the system will function as designed.

FORM 3 - CERTIFICATE OF COMPLIANCE **DEP APPROVED FORM 5/96**

No. 98-17

THE COMMONWEALTH OF MASSACHUSETTS
Amherst BOARD OF HEALTH

FEE 160 cc

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to Construct (✓) Repair ( ) Upgrade ( ) Abandon ( ) an individual sewage disposal system at HANEEF + HAZRIN SAHABDEEN as described in the application for Disposal System Construction Permit No. 98-17, dated 6-29-98.

Provided: Construction shall be completed within three years of the date of this permit. All local conditions must be met.

Date 6-29-98 — Board of Health _____

FORM 2 - DSCP **DEP APPROVED FORM 5/96**

No. _____ THE COMMONWEALTH OF MASSACHUSETTS FEE _____

BOARD OF HEALTH

Town OF Amherst

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

Application for a Permit to Construct (✓ Repair ( ) Upgrade ( ) Abandon ( ) - ☐ Complete System ☐ Individual Components

Lot C Mechanic Street Location	Haneef Sahabdeen Owner's Name
Map/Parcel #	277 Northampton Rd. Amherst MA 01002 Address
Lot #	413-253-0737 Telephone #
Installer's Name	Howard Environmental Services Designer's Name
Address	750 No. Pleasant St. Amherst MA 01002 Address
Telephone #	413-256-8008 Telephone #

Type of Building: Single Family Dwelling Lot Size 87,496 Sq. feet

Dwelling — No. of Bedrooms 4 Garbage Grinder (NO)

Other — Type of Building _____ No. of persons _____ Showers ( ), Cafeteria ( )

Other fixtures _____

Design Flow (min. required) 550 gpd Calculated design flow _____ gpd Design flow provided 555 gpd

Plan: Date 6-20-98 Number of sheets 4 Revision Date _____

Title Sewage Disposal System for 2.008 Acre Lot Mechanic St.

Description of Soil(s) See Soil Evaluation Form

Soil Evaluator Form No. _____ Name of Soil Evaluator Mark Thompson Date of Evaluation 3-19-98

DESCRIPTION OF REPAIRS OR ALTERATIONS _____

The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed Haneef Sahabdeen Date 6/12/98

COMMONWEALTH OF MASSACHUSETTS 6-24-98 NINA INCHARDI No. 996 REGISTERED SANITARIAN

Inspections _____

FORM 1 - APPLICATION FOR DSCP **DEP APPROVED FORM 5/96**

No. _____ **THE COMMONWEALTH OF MASSACHUSETTS** FEE _____

_____ BOARD OF HEALTH

CERTIFICATE OF COMPLIANCE

Description of Work: ☐ **Individual Component(s)** ☐ **Complete System**

The undersigned hereby certify that the Sewage Disposal System; Constructed ( ), Repaired ( ), Upgraded ( ), Abandoned ( )

by: _____

at _____

has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. _____ dated _____. Approved Design Flow _____(gpd)

Installer _____

Designer: _____ Inspector _____ Date _____

The issuance of this certificate shall not be construed as a guarantee that the system will function as designed.

FORM 3 - CERTIFICATE OF COMPLIANCE **DEP APPROVED FORM 5/96**

No. _____ **THE COMMONWEALTH OF MASSACHUSETTS** FEE _____

_____ BOARD OF HEALTH

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to Construct ( ) Repair ( ) Upgrade ( ) Abandon ( ) an individual sewage disposal system at _____ as described

in the application for Disposal System Construction Permit No. _____, dated _____.

Provided: Construction shall be completed within three years of the date of this permit. All local conditions must be met.

Date _____ Board of Health _____

FORM 2 - DSCP **DEP APPROVED FORM 5/96**

FORM 1255 (REV 5/96) H&W HOBBS & WARREN™ PUBLISHERS - BOSTON

Location Address or Lot No. Lot at Corner of Mechanic St. & Southeast Street

On-site Review

Deep Hole Number 1 Date: 3-19-98 Time: 9:30 Weather Rain 40°
Location (identify on site plan)
Land Use Field Slope (%) 5 Surface Stones None Visible
Vegetation Grasses
Landform Terrace
Position on landscape (sketch on the back)
Distances from:

Open Water Body	— feet	Drainage way	feet
Possible Wet Area	— feet	Property Line	40 feet
Drinking Water Well	— feet	Other	

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-14"	A_p	FSL	7.5YR 2.5/2	None	Friable, crumb, abrupt boundary
14-58"	C_1	Sand	5YR4/4	None	Single grain, variegated Coarse to fine Sand 15 % Gravel
58-120"	C_2	FLS	7.5YR4/3	None	Firm, blocky

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Glacial Outwash DepthtoBedrock: None
Depth to Groundwater: Standing Water in the Hole: None Weeping from Pit Face: None
Estimated Seasonal High Ground Water: > 120"

HOWARD ENVIRONMENTAL SERVICES
750 NORTH PLEASANT STREET, REAR
AMHERST, MA 01002
(413) 256 - 8008

No. _____ Date: _____

Commonwealth of Massachusetts
Amherst , **Massachusetts**

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Mark Thompson Date: 3-19-98
Witnessed By: David Zarozinski

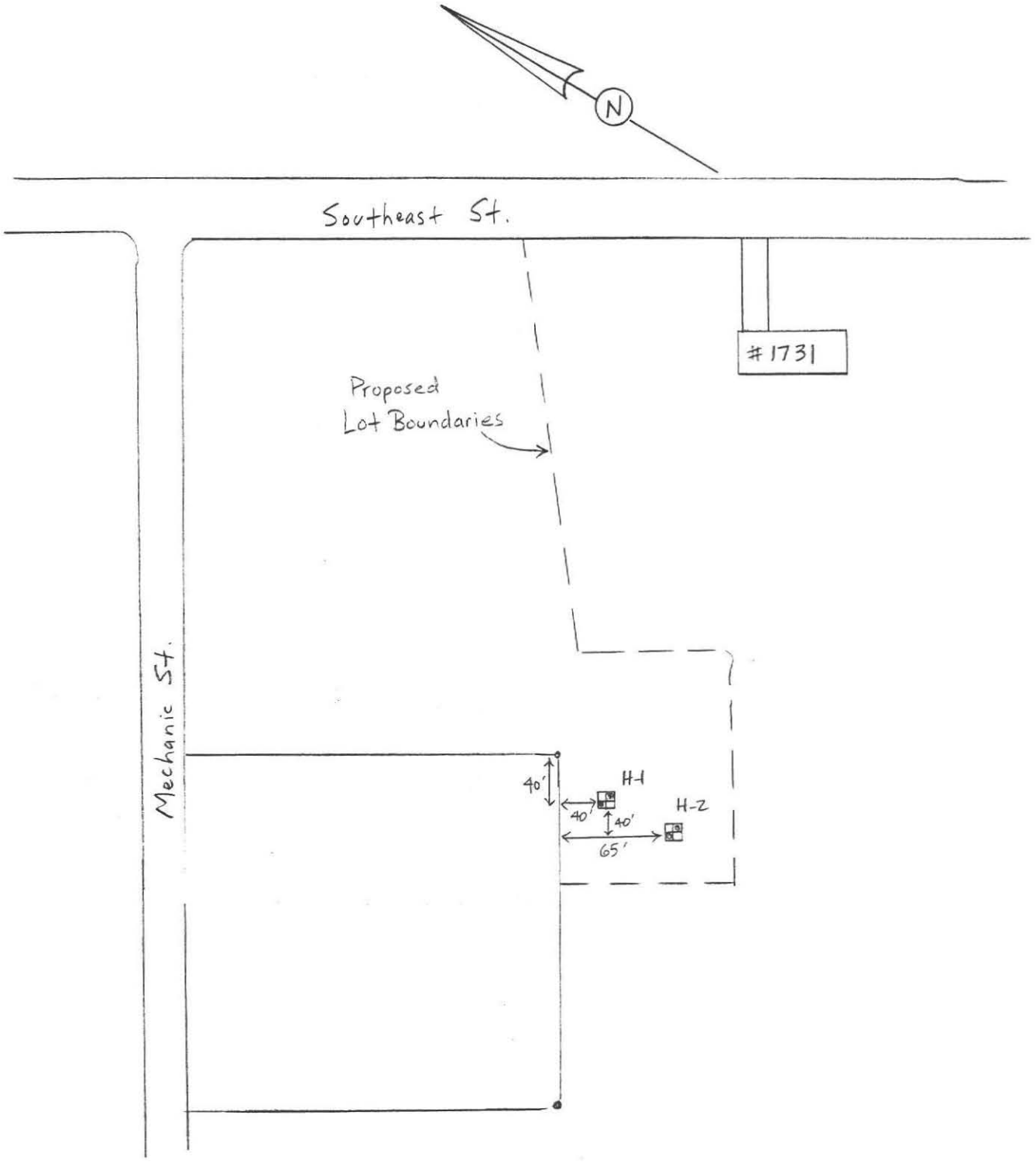
Location Address or Lot # Lot to North of 1731 Southeast Street Corner of Mechanic St. & S.E. St.	Owner's Name, Address, and Telephone # William DeGowin 1731 Southeast St. Amherst MA 01002 (413) 253-0737
New Construction ☒ Repair ☐	

Office Review

Published Soil Survey Available: No ☐ Yes ☒
Year Published 1981 Publication Scale 1:15840 Soil Map Unit MeB
Drainage Class Excessively Drained Soil Limitations Poor Filter
Surficial Geologic Report Available: No ☐ Yes ☐
Year Published ..... Publication Scale .....
Geologic Material (Map Unit) .....
Landform .....
Flood Insurance Rate Map:
Above 500 year flood boundary No ☐ Yes ☒
Within 500 year flood boundary No ☒ Yes ☐
Within 100 year flood boundary No ☒ Yes ☐
Wetland Area:
National Wetland Inventory Map (map unit) .....
Wetlands Conservancy Program Map (map unit) .....

Current Water Resource Conditions (USGS): Month Feb. 1998
Range :Above Normal ☐ Normal ☒ Below Normal ☐
Other References Reviewed: _____

HOWARD ENVIRONMENTAL SERVICES
750 NORTH PLEASANT STREET, REAR
AMHERST, MA 01002
(413) 256 - 8008


N
Southeast St.
#1731
Proposed
Lot Boundaries
Mechanic St.
40'
H-1
40'
H-2
40'
65'

Location Address or Lot No. Corner Lot @ Mechanic St. & Southeast St.

On-site Review

Deep Hole Number 2 Date: 3-19-98 Time: 9:45 Weather Rain
Location (identify on site plan)
Land Use Slope (%) Surface Stones
Vegetation
Landform SAME AS HOLE 1
Position on landscape (sketch on the back)
Distances from:

Open Water Body	– feet	Drainage way	– feet
Possible Wet Area	– feet	Property Line	65' feet
Drinking Water Well	– feet	Other	

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-12"	Ap	FSL	7.5YR 2.5/2	None	Friable, crumb, abrupt boundary
12-60"	C_1	Sand	5YR4/4	None	Single grain, variegated Coarse to fine Sand 15% gravel
60-120"	C_2	FLS	7.5YR 4/3	None	Firm, blocky

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Glacial Outwash Depth to Bedrock: None
Depth to Groundwater: Standing Water in the Hole: None Weeping from Pit Face: None
Estimated Seasonal High Ground Water: >120"

HOWARD ENVIRONMENTAL SERVICES
750 NORTH PLEASANT STREET, REAR
AMHERST, MA 01002
(413) 256 - 8008

FORM 12 - PERCOLATION TEST

Location Address or Lot No. Corner Lot @ Mechanic St. & Southeast St.

COMMONWEALTH OF MASSACHUSETTS

Amherst , Massachusetts

Percolation Test*		
Date: 3-19-98	Time: 9:30	
Observation Hole #	P-1	P-2
Depth of Perc	55"	48"
Start Pre-soak	9:33	9:46
End Pre-soak	Unable to Soak	Unable to Soak
Time at 12"		
Time at 9"		
Time at 6"		
Time (9"-6")		
Rate Min./Inch	< 2 MIN/IN	< 2 MIN/IN

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed ☒ Site Failed ☐

Performed By: Mark Thompson

Witnessed By: David Zarozinski

Comments:

DEP

DEP APPROVED FORM - 12/07/95

HOWARD ENVIRONMENTAL SERVICES
750 NORTH PLEASANT STREET, REAR
AMHERST, MA 01002
(413) 256 - 8008

Location Address or Lot No. Corner Lot @ Mechanic St. & Southeast St.

Determination for Seasonal High Water Table

Method Used:

- ☒ Depth observed standing in observation hole >120" inches
- ☒ Depth weeping from side of observation hole >120" inches
- ☒ Depth to soil mottles >120" inches
- ☐ Ground water adjustment ..... feet

Index Well Number ..... Reading Date ..... Index well level .....

Adjustment factor ..... Adjusted ground water level .....

Depth of Naturally Occurring Pervious Material

Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? Yes

If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on 4/29/97 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.

Signature Mark Thompson Date 3-19-98

HOWARD ENVIRONMENTAL SERVICES
750 NORTH PLEASANT STREET, REAR
AMHERST, MA 01002
(413) 256 - 8008

PUMP SYSTEM DATA

1. PUMP CHAMBER TO BE A KELLOGG BROS. 1000 GALLON SEPTIC TANK OR SIMILAR MODEL (DIMENSIONS = 58"x120"x64").

2. THE PUMP CHAMBER SHALL BE MADE WATERPROOF, INCLUDE VIBRATION BUSHINGS, AND BE EQUIPPED WITH AN ALARM POWERED BY AN ELECTRICAL CIRCUIT SEPARATE FROM THAT OF THE PUMP.

3. DAILY DOSING CYCLE = 4 DOSES/DAY @ 120 GALLONS/DOSE
   SET PUMP FLOATS AS FOLLOWS FOR A SINGLE DOSE OF 120 GALLONS:

   LOWER LIMIT: 6" ABOVE TANK FLOOR

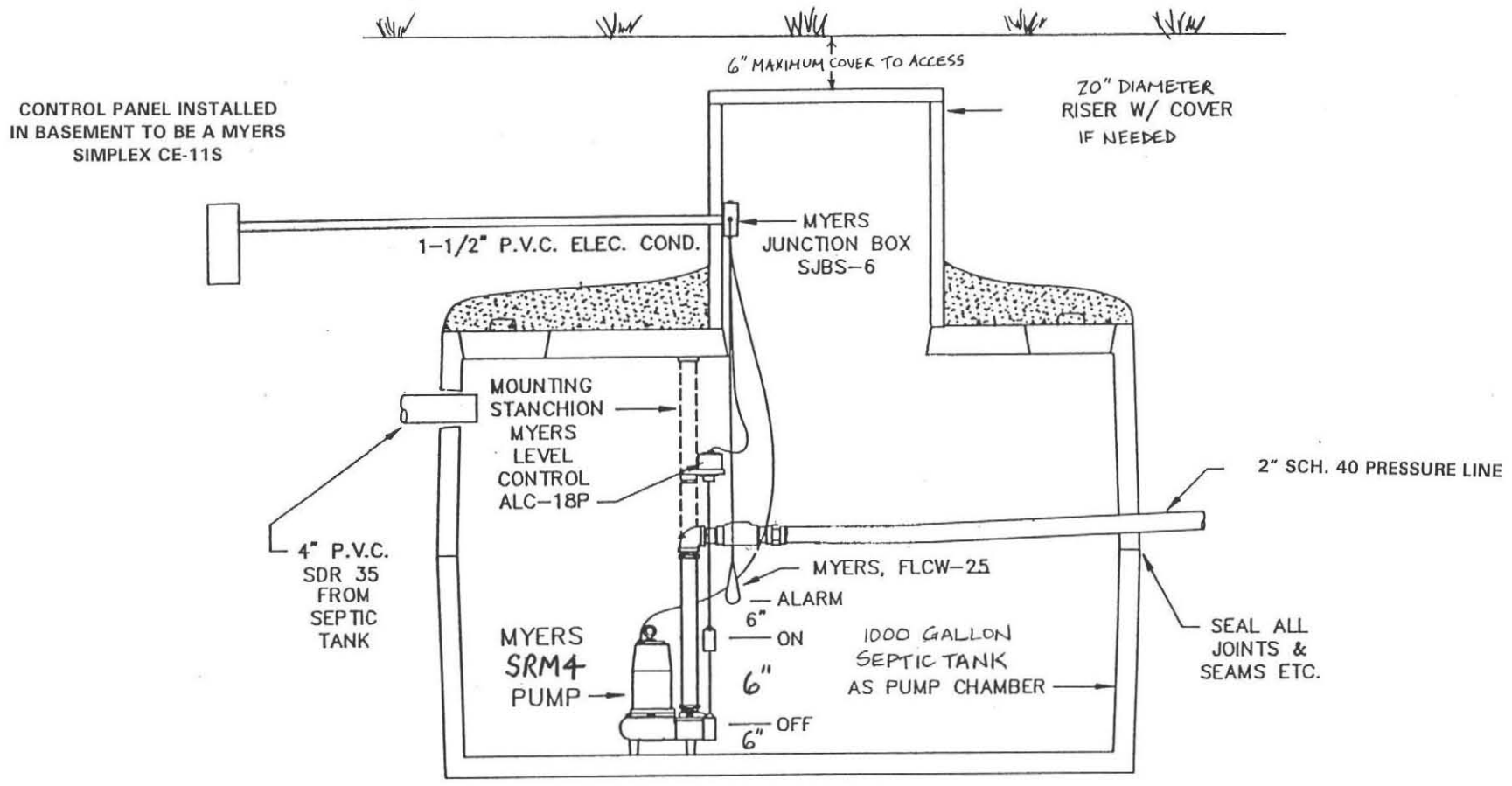
   UPPER LIMIT: 12" ABOVE TANK FLOOR

   ALARM: 18" ABOVE TANK FLOOR

   NOTE: FLOAT LEVELS ARE FOR ABOVE SPECIFIED TANK ONLY, ADJUST ACCODINGLY FOR TANKS OF DIFFERENT DIMENSIONS.

4. THE 2" PRESSURE LINE MUST BE EITHER INSULATED, BURIED BENEATH THE FROST LINE OR LAID SUCH THAT ALL LIQUID DRAINS OUT OF THE PIPE WHEN THE PUMP SHUTS OFF.

ANY COMPONENTS ASSOCIATED WITH THE PUMP CHAMBER MAY BE SUBSTITUTED FOR THOSE OF A SIMILAR MAKE OR MODEL AT THE CONTRACTORS DISCRETION.



1 DOSING CYCLE = 120 GALLONS

FLOAT SWITCHES AS SHOWN ARE FOR A 1000 GALLON SEPTIC TANK MEASURING 102" x 60", ADJUST ACCORDINGLY FOR TANKS OF DIFFERENT DIMENSIONS

PUMP CHAMBER
NO SCALE

SRM4

4/10 Horsepower
Residential Sewage Pump

MECHANICAL FLOAT SWITCH
Mercury-free, 90° angle operation. (Piggyback models only).

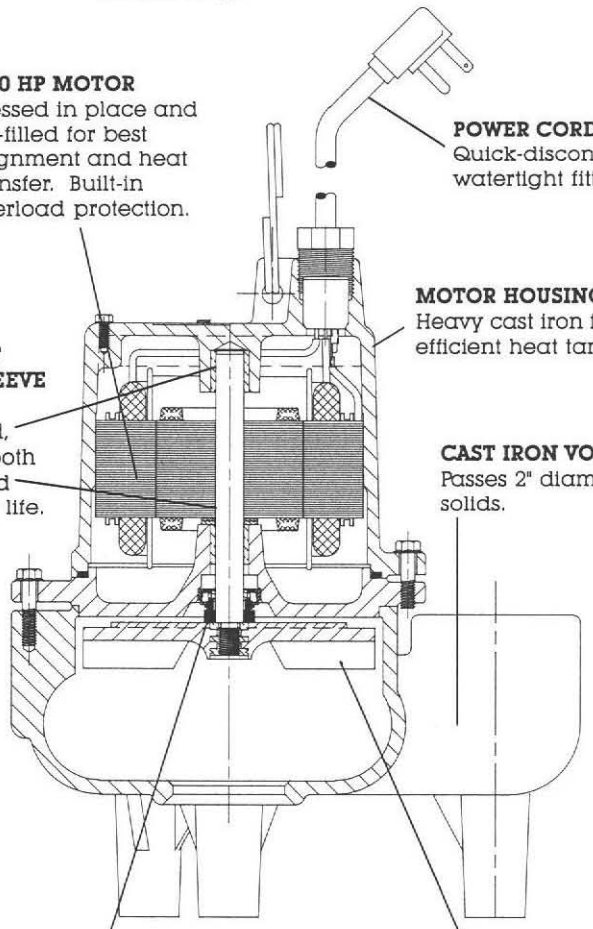
4/10 HP MOTOR
Pressed in place and Oil-filled for best alignment and heat transfer. Built-in overload protection.

POWER CORD
Quick-disconnect watertight fitting.

MOTOR HOUSING
Heavy cast iron for efficient heat tansfer.

DUAL THRUST WASHERS, SLEEVE BEARINGS
Oil lubricated, enhance smooth operation and extend pump life.

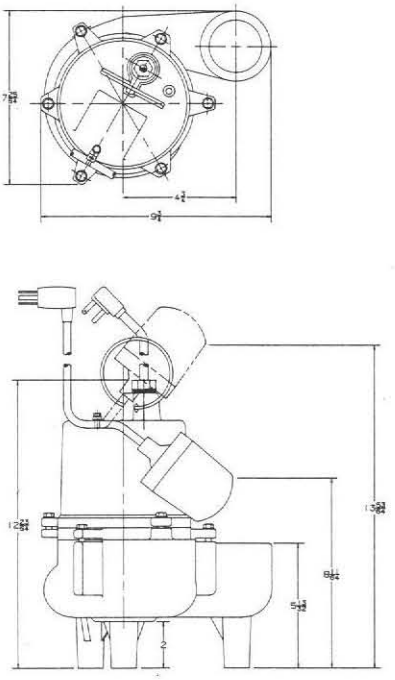
CAST IRON VOLUTE
Passes 2" diameter solids.



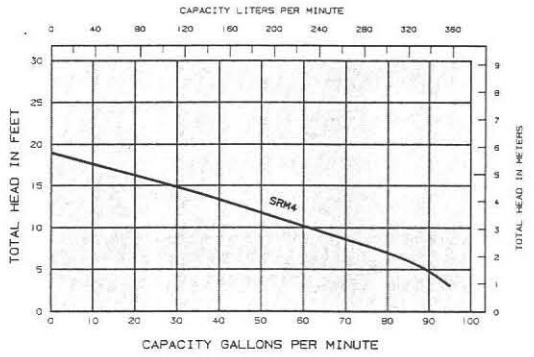
MECHANICAL SHAFT SEAL
Carbon and ceramic faces, body is stationary, prevents string or trash from winding on seal.

RECESSED IMPELLER
Operates out of volute passage, allowing maximum flow of liquids and solids.

DIMENSIONS



PERFORMANCE CURVE



K3305 4/94
Printed in U.S.A.

PRINTED WITH SOY INK

Myers®

F. E. Myers
1101 Myers Parkway
Ashland, Ohio 44805-1969
419/289-1144
FAX: 419/289-6658, TLX: 98-7443

SRM4

4/10 Horsepower
Residential Sewage Pump

ADVANTAGES BY DESIGN

DURABLE MOTOR WILL DELIVER MANY YEARS OF RELIABLE SERVICE.

- Oil-filled motor for maximum heat dissipation and continuous bearing lubrication.
- Overload protected shaded pole motor eliminates starting switches.
- Recessed vortex impeller provides minimal radial loading for long bearing life.

THE SRM4P IS ENGINEERED FOR MANY YEARS OF MAINTENANCE-FREE OPERATION.

- Wide-angle piggy-back float switch for maximum draw down. (Automatic models)
- Pump can be operated manually by unplugging piggy-back switch and plugging pump directly into outlet (Automatic models).
- Recessed vortex impeller operates completely out of volute and provides free flow through passage for solids and liquids.

PRODUCT CAPABILITIES

Capacities To	95 gpm	360 lmp
Heads To	18 ft. 19 ft. shutoff	5.5 m 5.8 m
Pump Down Range Float Switch	7 to 14 in.	178 to 356 mm
Solids Handling Capacity	2 in.	50.8 mm
Liquids Handling	raw sewage, effluent, drain water	
Intermittent Liquid Temp.	up to 140°F	up to 60°C
Motor	4/10 HP shaded pole 1550 RPM	
Electrical	115V, 12A or 230V, 6A, 1Ø, 60 Hz.	
Acceptable pH Range	5 - 9	
Discharge, NPT	2 in.	50.8 mm
Minimum Sump Diameter Simplex Duplex	 18 in. 30 in.	 457 mm 762 mm

Construction Materials	
Motor Housing	cast iron, Class 30, ASTM A48
Volute Case	cast iron, Class 30, ASTM A48
Impeller	recessed, thermoplastic
Power Cord	20 ft. 16/3 SJTW/SJTW-A
Mechanical Seal	carbon and ceramic

THE SRM4 MINI NON-CLOG PUMP IS THE MOST RELIABLE 4/10 HORSEPOWER RESIDENTIAL SEWAGE PUMP AVAILABLE TODAY. The SRM4 is a plumbers/contractors dream ... it will not clog! Its recessed impeller design allows 2" solids to pass freely through the volute without the chance of jamming the impeller. The SRM4 series pump has a national field-proven record of reliability. Look to your Myers distributor for the answer to your residential sewage handling needs ... and across the counter will be the Myers mini non-clog, the SRM4. It works for you! For more information, call your Myers distributor today, or the Myers Ashand, Ohio sales office at 419/289-1144.

WHERE INNOVATION MEETS TRADITION

Myers

CONSTRUCTION NOTES

1. A MINIMUM THREE DAYS ADVANCE NOTICE WILL BE REQUIRED FOR ENGINEER TO INSPECT THE SYSTEM.
2. LOT IS TO BE SERVICED BY TOWN WATER.
3. FIELD VERIFY DISTANCES TO PROPERTY LINES PRIOR TO ALL CONSTRUCTION AND OBSERVE LOCAL SETBACK REQUIREMENTS.
4. REMOVE ALL TOPSOIL AND SUBSOIL FROM DIRECTLY BENEATH LEACH FIELD AND FOR A DISTANCE OF FIVE FEET IN ALL DIRECTIONS AND REPLACE WITH PERMEABLE FILL THAT MEETS TITLE 5 SPECIFICATIONS.
5. BUILDING EXIT PIPE TO BE SCH. 40 PVC WITH A MINIMUM SLOPE OF 2% (REMAINDER OF PPING TO BE SDR 35 OR GREATER).
6. SYSTEM IS *NOT* DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL.
7. AVOID DRIVING OVER THE SOIL ABSORPTION SYSTEM.
8. SET LEACH FIELD AT ELEVATIONS NOTED IN PROFILE, BACKFILL TO PROVIDE A MINIMUM 12" OF COVER AND MOUND SLIGHTLY TO DIVERT SURFACE RUNOFF.
9. SEE ACCOMPANYING PAPERWORK FOR PUMP SYSTEM DETAILS.
10. ALL DISTURBED AREAS INCLUDING THE SOIL ABSORPTION SYSTEM TO BE LOAMED AND SEEDED (HAY MULCH MAY BE NEEDED ON SLOPES AND DURING WET TIMES OF YEAR).
11. TO PREVENT SHORT CIRCUITING OF THE EFFLUENT, THE D-BOX IS TO BE INSTALLED WITH A FOUR INCH TEE CEMENTED TO THE INLET AND THE FIRST TWO FEET OF THE OUTLET PIPES ARE TO BE LAID LEVEL (USE SPEED LEVELERS ON ENDS OF OUTLET PIPES).
12. SEPTIC TANK AND D-BOX ARE TO BE PLACED ON A SIX INCH BED OF STONE TO PREVENT SETTLING.
13. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH TITLE 5 OF THE STATE ENVIRONMENTAL CODE.

PUMP SYSTEM DATA

1. PUMP CHAMBER TO BE A KELLOGG BROS. 1000 GALLON SEPTIC TANK OR SIMILAR MODEL (DIMENSIONS = 58"x120"x64").
2. THE PUMP CHAMBER SHALL BE MADE WATERPROOF, INCLUDE VIBRATION BUSHINGS, AND BE EQUIPPED WITH AN ALARM POWERED BY AN ELECTRICAL CIRCUIT SEPARATE FROM THAT OF THE PUMP.
3. DAILY DOSING CYCLE = 4 DOSES/DAY @ 120 GALLONS/DOSE
   SET PUMP FLOATS AS FOLLOWS FOR A SINGLE DOSE OF 120 GALLONS:

   LOWER LIMIT: 6" ABOVE TANK FLOOR

   UPPER LIMIT: 12" ABOVE TANK FLOOR

   ALARM: 18" ABOVE TANK FLOOR

   NOTE: FLOAT LEVELS ARE FOR ABOVE SPECIFIED TANK ONLY, ADJUST ACCODINGLY FOR TANKS OF DIFFERENT DIMENSIONS.
4. THE 2" PRESSURE LINE MUST BE EITHER INSULATED, BURIED BENEATH THE FROST LINE OR LAID SUCH THAT ALL LIQUID DRAINS OUT OF THE PIPE WHEN THE PUMP SHUTS OFF.

DESIGN CALCULATIONS FOR LEACH FIELD

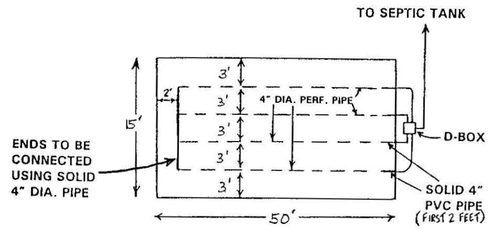
DESIGN DAILY FLOW RATE: 110 GPD/BEDROOM x 4 BEDROOMS = 440 GPD
440 GPD x 125% = 550 GPD

DESIGN PERC. RATE: 5 MIN/IN (TESTED @ <2 MIN/IN)

SYSTEM LEACHING AREA: 15' x 50' = 750 SQ. FT.

L. T. A. R. (CLASS 1 SOIL): 750 SQ. FT. x 0.74 GPD/SQ. FT. = 555 GPD

LEACH FIELD - PLAN VIEW
(NOT TO SCALE)

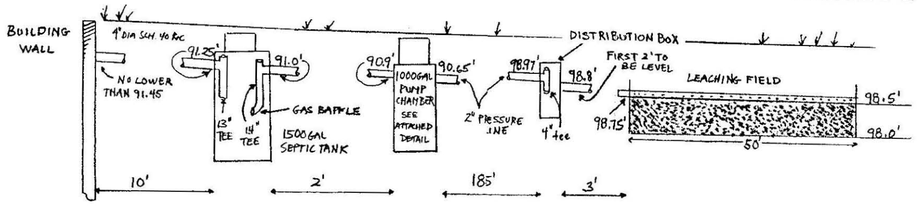


NO. OF DISTRIBUTION LINES: 4

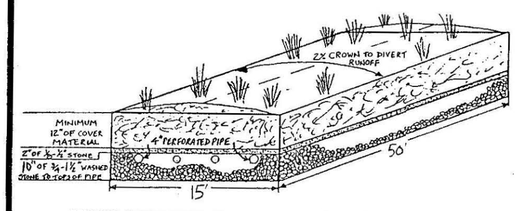
DISTRIBUTION LINES TO BE SET 3 FT. APART ON CENTER

MINIMUM OF 6" OF WASHED 3/4 TO 1-1/2" STONE UNDER PIPES

SYSTEM PROFILE



LEACHING FIELD DETAIL



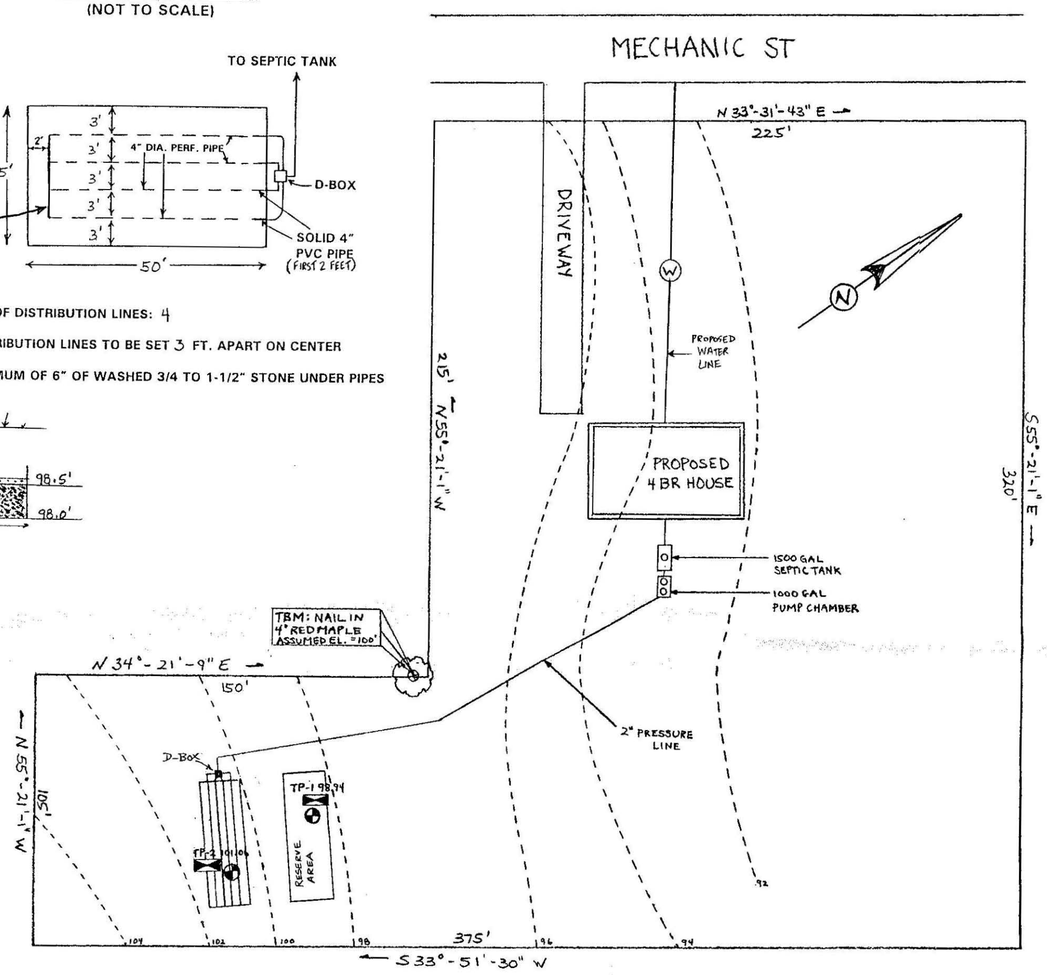
EFFECTIVE SIZE OF LEACHING FIELD : 15' x 50'

MINIMUM 6" OF 3/4 - 1 1/2" WASHED STONE UNDER PIPE

MINIMUM SLOPE OF 4" PERFORATED PIPE TO BE .005

BOTTOM OF LEACH FIELD TO BE LEVEL

REMOVE ALL TOPSOIL & SUBSOIL FROM DIRECTLY BENEATH FIELD AND FOR A DISTANCE OF 5 FEET IN ALL DIRECTIONS AND REPLACE WITH CLEAN FILL THAT MEETS TITLE 5 SPECIFICATIONS



DEEP OBSERVATION HOLE(S) LOG
DATE: 3/19/98
SOIL EVALUATOR: MARK THOMPSON WITNESS: DAVE ZAROZINSKI

HOLE	TP-1	EL. 98.94'		
DEPTH	HORIZON	TEXTURE	COLOR	MOTTLES
0-14"	Ap	FSL	7.5YR2.5/2	NONE
14-58"	C1	S	5YR 4/4	NONE
58-120"	C2	fLS	7.5YR4/3	NONE
HOLE	TP-2	EL. 101.06'		
DEPTH	HORIZON	TEXTURE	COLOR	MOTTLES
0-12"	Ap	FSL	7.5YR2.5/2	NONE
12-60"	C1	S	5YR 4/4	NONE
60-120"	C2	fLS	7.5YR4/3	NONE

ESTIMATED SEASONAL HIGH GROUNDWATER: 120+"
PERCOLATION RATE: <2 MIN/IN

SITE PLAN

SCALE: 1" = 40'

EXISTING CONTOUR

PROPOSED (FILL) CONTOUR

SOIL EVALUATION HOLE

PERCOLATION TEST

APPROVALS AND REVISIONS

COMMONWEALTH OF MASSACHUSETTS
NINA INCHARDI
No. 996
REGISTERED SANITARIAN
6-23-98

HOWARD ENVIRONMENTAL SERVICES

750 NORTH PLEASANT STREET (REAR)
AMHERST, MA 01002

PHONE: (413) 256-8008
FAX: (413) 549-1850

SEWAGE DISPOSAL SYSTEM
FOR
2.008 ACRE LOT
MECHANIC STREET
AMHERST, MA

HANEEF SAHABDEEN
277 NORTHAMPTON ROAD
AMHERST, MA 01002
(413) 253-3075

FIELD 5-28-98
DRAWN SS
CALC.
CHECK MT, NI

DATE JUNE 20, 1998
PLAN NO.

DATA REFERENCES

BENCHMARK (TBM)
NAIL IN 4" RED MAPLE TREE
ASSUMED ELEVATION = 100.00'

155364

RSI-250-1000H-290