

LEACH BED REQUIREMENTS

PERCOLATION RATE: 1" PER 8 MINUTES @ 20"

NUMBER OF BEDROOMS: 4 (FOUR)

HYDRAULIC LOADING: 150 GPD/BEDROOM = 600 GPD

SYSTEM AREA REQUIRED: 100 Sq.Ft.

SYSTEM AREA PROVIDED: 10' x 10' = 100 Sq.Ft.

DESIGN INTENT

THE INTENT OF THIS DESIGN IS TO MAINTAIN AT LEAST 4 FEET ABOVE THE SEASONAL HIGH WATER TABLE AND 4 FEET ABOVE LEDGE OR IMPERMEABLE SUBSTRATUM BY CONSTRUCTING THE BED BOTTOM OF THE EFFLUENT DISPOSAL AREA AT ELEVATION 121.0 WHICH IS APPROXIMATELY 2.0 FEET ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL AREA.

GENERAL NOTES

THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY.

ANY DISCREPANCY BETWEEN THESE PLANS AND THE FIELD CONDITIONS IS TO BE REPORTED TO THE DESIGNER PRIOR TO CONSTRUCTION.

THE SEPTIC SYSTEM IS NOT DESIGNED TO HANDLE A GARBAGE DISPOSAL UNIT.

SEPTIC TANKS SHALL HAVE INLET AND OUTLET BAFFLES INSTALLED AND BE WATER TIGHT. ALL JOINTS, INLETS, OUTLETS, ETC. TO BE SEALED WITH NON-SHRINK MORTAR OR HAVE WATER TIGHT NEOPRENE GASKET SEALS CAST INTO THE CONCRETE BY THE MANUFACTURER. PRECAST CONCRETE COMPONENTS MAY BE PURCHASED FROM "A.J. FOSS" OR EQUAL.

THERE ARE NO SURFACE WATERS OR WELLS WITHIN 125 FEET OF THE PROPOSED EDA. THERE ARE NO POORLY DRAINED SOILS WITHIN 125 FEET AND NO VERY POORLY DRAINED SOILS WITHIN 125 FEET OF THE PROPOSED EDA AS DELINEATED BY JOSEPH NOEL PER Env-Wq 1014.03.

LEACH LINES TO BE LAID LEVEL AND INSTALLED IN ACCORDANCE WITH Env-Wq 1017.05 AND Env-Wq 1017.01.

SEPTIC STONE SHALL BE CLEAN, UNIFORMLY-SIZED WASHED CRUSHED STONE, WASHED ROCK, OR SIMILAR AGGREGATE, 1.5 INCH, FREE OF FINES, 0.75 INCHES TO 1.5 INCHES, IN ACCORDANCE WITH Env-Ws 1016.04.

THE INSTALLED SYSTEM SHALL BE LEFT EXPOSED UNTIL INSPECTED BY A REPRESENTATIVE OF THE NH DEPARTMENT OF ENVIRONMENTAL SERVICES.

SYSTEM SHALL BE REBUILT IN PLACE SHOULD FAILURE OCCUR.

THIS PLAN CONFORMS TO ALL APPLICABLE LOCAL SEPTIC SYSTEM ORDINANCES AND REGULATIONS AS APPROVED AND STAMPED BY THE LOCAL AUTHORITY.

LEGEND:

102	2' CONTOUR LINE	POORLY DRAINED SOIL
---102---	PROPOSED CONTOUR	VERY POORLY DRAINED
---	BUILDING SETBACK LINE	⊙	EXISTING WELL
---	SEPTIC SETBACK LINE	⊙	TEST PIT
---	EASEMENT LINE	⊙	PERCOLATION TEST

SCALE: 1 inch = 20 feet

0 10 20 40

JANUARY 4, 2011
 CAD FILE: 10108-Septic

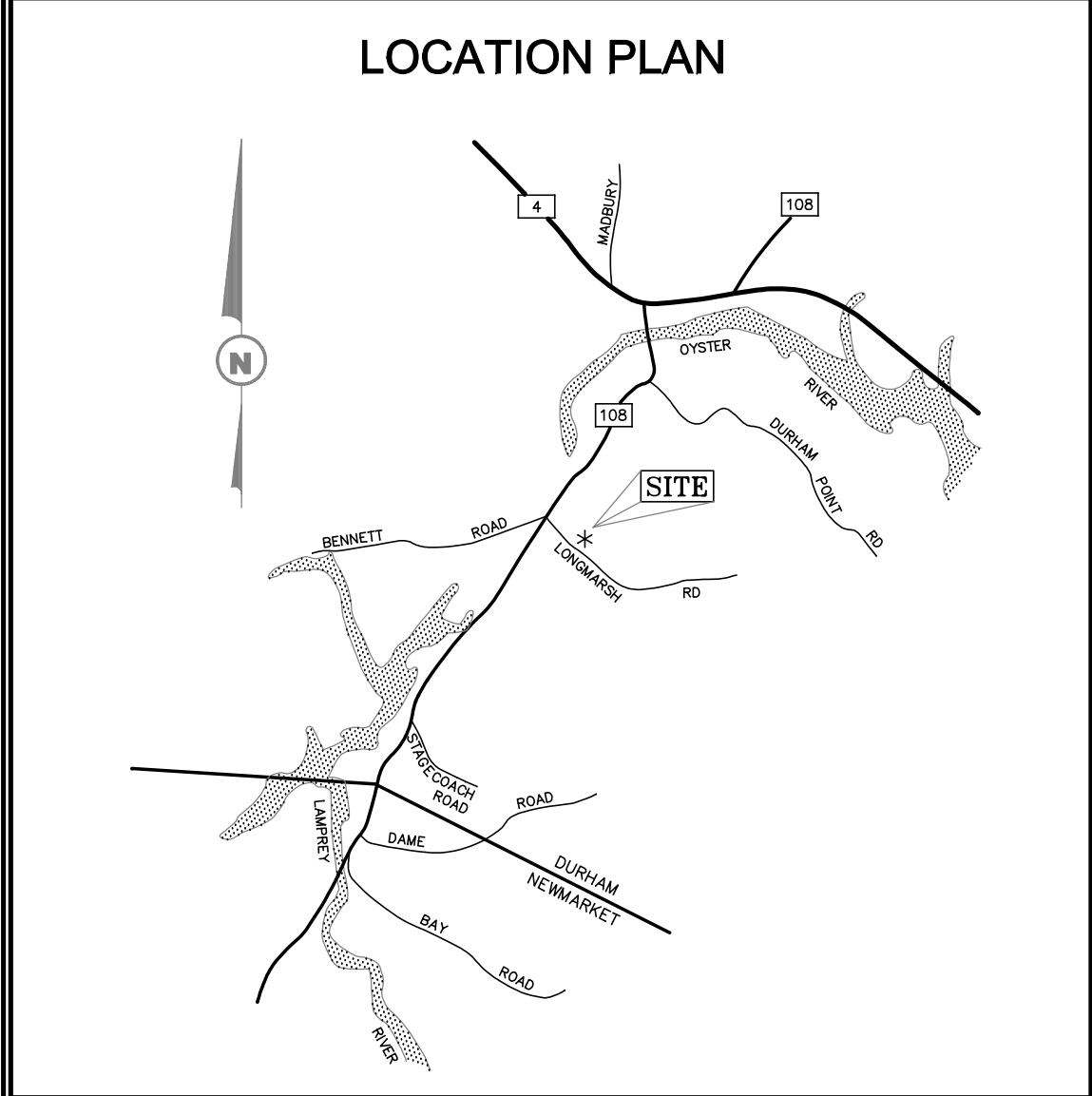
NEW HAMPSHIRE
 Designer
 of
 Subsurface Disposal
 Systems

 Adam R. Fogg
 No. 13777
 No. 108 Supply & Pollution Control

TEST PIT DATA

SEE ATTACHED DATA

SOIL TYPE: HdC - Hollis Charlton
 Soil Survey of Strafford County, New Hampshire sheet 33



SUBSURFACE SEPTIC DESIGN

OWNER: KELLEY L. CULLEN
 13 LONGMARSH ROAD
 DURHAM, NH 03824

LOT ADDRESS: 13 LONGMARSH ROAD
 DURHAM, NH

SUBDIVISION: NHDES APPROVAL No.

TOWN INFO: TAX MAP 15, LOT 23-1

REGISTRY of DEEDS: STRAFFORD BOOK 3824, PAGE 735

ATLANTIC
 SURVEY COMPANY

149 Mill Road, Durham, New Hampshire 03824

PREPARED BY:
 SURVEYORS
 ENGINEERS
 PLANNERS

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