

NOTES:

- PARCEL AREA: 1,487,644 SQ. FT. = 34.14 ACRES
- NHDES SUBDIVISION APPROVAL NUMBER: SA2002003712
NHDES DREDGE & FILL APPROVAL NUMBER: 2001-02490
NHDES SITE SPECIFIC APPROVAL NUMBER: WPS-6240 (JULY 11, 2002)
NHDES WELL APPROVAL NUMBER: 993704 - HADLEIGH WOODS
- THE MAJORITY OF THE SUBJECT PROPERTY LIES WITHIN THE 140 SCS SOILS GROUP AS SHOWN ON THE SCS MAP FOR THE TOWN OF WINDHAM, NH.
140 - CHATFIELD-HOLLIS-CANTON COMPLEX
- SYSTEM LOADING CALCULATION
TOTAL NUMBER OF UNITS = 5
TOTAL NUMBER OF PROPOSED BEDROOMS = (2 BDRMS/UNITS) 10 TOTAL
TO BEDROOMS X 150 GPD/BEDRM. = 1,500 GPD
PERCOLATION RATE; 8 MIN./INCH 36"
NHDES MINIMUM LEACHING FIELD SIZE REQUIRED = 2,530 SQ. FT.
ELJEN (TYPE "B") IN-DRAIN CALCULATION
3.5 + [(8 MIN./INCH X 0.125)] X 10 BDRMS = 45 UNITS
USE (54) TYPE "B" ELJEN IN-DRAIN UNITS, DISTRIBUTED LOCALLY BY
HUBER DESIGN, INC. P.O. BOX 401, 175 PETERBOROUGH ROAD
HANCOCK, NEW HAMPSHIRE 03449, PHONE: (603) 525-4320
OR APPROVED EQUAL.
- SEPTIC TANK: USE (2) 2,000 GALLON & (1) 1,000 GALLON 2-COMPARTMENT PRECAST CONCRETE
SEPTIC TANK, AS MANUFACTURED AND DISTRIBUTED BY NEW ENGLAND PRECAST CORP., ROUTE 110-AMESBURY
MASS. 01913, PHONE: (800) 323-9487. UNITS 7/9 & 11/15 SHALL EACH HAVE A 2,000 GALLON TANK.
AND UNIT 17 SHALL HAVE A 1,000 GALLON SEPTIC TANK (OR APPROVED EQUALS.)
- DISTRIBUTION BOX: USE (2) 3 OUTLET PRECAST CONCRETE DISTRIBUTION
BOX AS MANUFACTURED AND DISTRIBUTED BY ROTONDO & SONS, INC.,
OR APPROVED EQUAL.
- ALL PIPES EXITING THE PROPOSED DISTRIBUTION BOX SHALL HAVE AN
"EQUALIZER" FLOW DIVIDER INSTALLED (OR APPROVED EQUAL).
"EQUALIZER" FLOW DIVIDERS ARE DISTRIBUTED LOCALLY BY HUBER
DESIGN, INC.
- INSTALL A ZABEL, MODEL A100, FILTER, OR APPROVED EQUAL, AT THE
OUTLET OF THE PROPOSED SEPTIC TANK. ZABEL FILTERS
DISTRIBUTED BY ZABEL ENVIRONMENTAL TECHNOLOGY 10409 WATTERSON TR.
LOUISVILLE, KY 40299-3701, PHONE: (800) 221-5742.
- DESIGN INTENT: BOTTOM OF THE PROPOSED LEACHING FIELD SHALL BE
1.0 FEET ABOVE THE EXISTING GRADE ON THE UPSLOPE SIDE.
- NEAREST GROUP 6 SOIL OR NEIGHBORING WELL ARE ALL GREATER
THAN 100 FEET AWAY FROM THE PROPOSED SEPTIC SYSTEM.
- PIPES LEADING TO AND EXITING FROM THE PROPOSED SEPTIC TANK
AND DISTRIBUTION BOX SHALL BE SEALED WITH AN APPROVED METHOD
AS TO MAKE THE JOINTS WATERTIGHT.
- SHOULD FAILURE OCCUR THIS SYSTEM SHALL BE REBUILT IN-PLACE.
- PIPES LEADING TO AND EXITING FROM THE PROPOSED SEPTIC TANK, PUMP
CHAMBER AND DISTRIBUTION BOX SHALL BE SEALED WITH AN APPROVED
METHOD AS TO MAKE THE JOINTS WATERTIGHT.
- PRIOR TO THE START OF CONSTRUCTION ALL BENCHMARKS SHALL BE
VERIFIED FOR ACCURACY.
- FOUNDATION DRAINS: NO FOUNDATION DRAINS SHALL BE INSTALLED
WITHIN 25 FEET OF THE PROPOSED SEPTIC SYSTEM OR WITHIN 10 FEET OF THE
PROPOSED SEPTIC TANK.
- NO GARBAGE DISPOSAL IS PROPOSED WITH THIS DESIGN.
IF THE PROPERTY OWNER CHOOSES TO INSTALL A GARBAGE DISPOSAL THE DESIGN
OF THE FIELD WILL NEED TO BE REVISED TO MEET THE ELJEN DESIGN MANUAL
REQUIREMENTS FOR DESIGNS WILL GRINDERS. THE SEPTIC TANK SIZE WILL ALSO
NEED TO BE INCREASED IN SIZE PER NHDES ENV-WS 1010.01.
- INSTALLATION OF THE ELJEN IN-DRAIN SYSTEM SHALL BE IN STRICT
ACCORDANCE WITH THE ELJEN IN-DRAIN DESIGN AND INSTALLATION MANUAL
FOR THE STATE OF NEW HAMPSHIRE, REVISED JUNE 05, 1995.
- JOINTS ARE TO BE BELLED PVC OR STANDARD SLIP COLLARS.
- ALL LATERALS TO EXIT THE DISTRIBUTION BOX AT SAME ELEVATION.
2' OF COVER SHALL BE PROVIDED OVER THE FIELD WHERE MOTOR
VEHICLE TRAFFIC WILL PASS OVER THE SEPTIC SYSTEM FIELD.
FILL SHALL NOT BE OF SATURATED SOIL.
- ALL TREES, TOPSOIL, ROOTS, AND ORGANIC MATTER MUST BE REMOVED
FROM THE AREA TO BE FILLED, OUT TO AND INCLUDING THE AREA
UNDER THE IMPERMEABLE SOIL BARRIER. FILL MATERIAL TO BE CLEAN
MEDIUM TO COARSE SAND, FREE OF TOPSOIL, HUMUS, DREDGINGS, OR
STONES OVER 6" IN DIMENSION.
- PROVIDE MEASURED TIES TO OWNER, ON THE LOCATION OF SEPTIC
TANK ACCESS POINTS.
- ANY DISCREPANCIES OR UNUSUAL CONDITIONS SHALL BE REPORTED
TO THE DESIGNER BEFORE CONTINUING WITH THE INSTALLATION.
- WATER SOFTENERS, JACUZZI TUBS OR SIMILAR AMMENITIES SHALL NOT BE
DISCHARGED INTO THE PROPOSED FIELD. IF SUCH AMMENITIES ARE
PROPOSED IN THE NEW STRUCTURE THEN THE CONTRACTOR SHALL NOTIFY
THE DESIGNER AND AN ALTERNATIVE FOR THESE SERVICES WILL BE DEvised
AND INSTALLED.

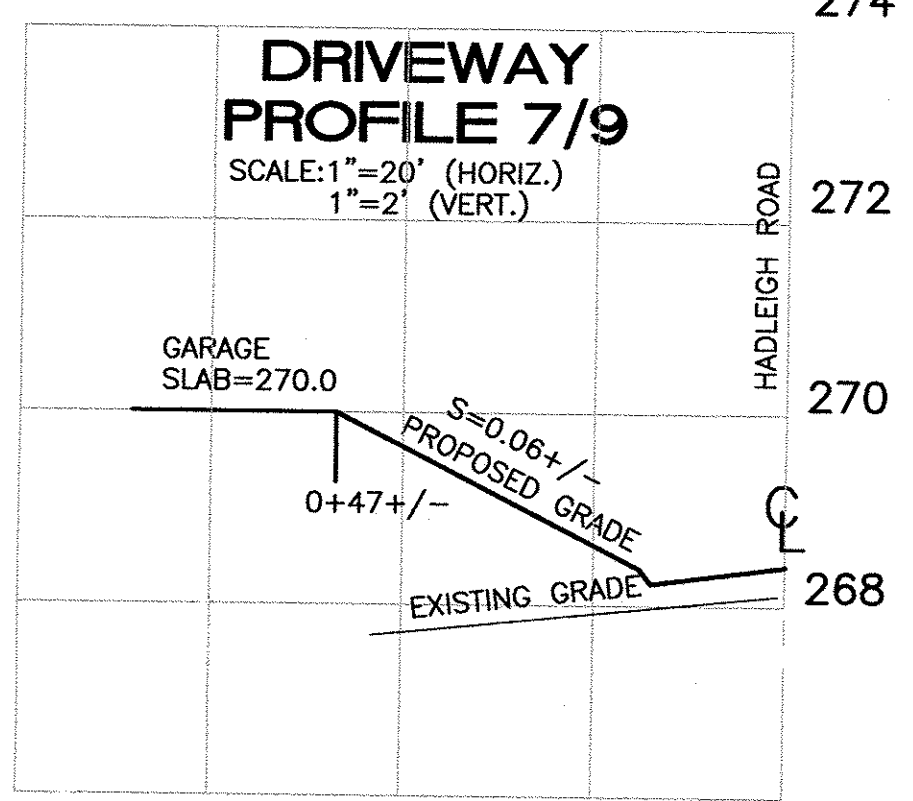
TEST PIT "7/9"
(CONDUCTED IN AUGUST, 2003)

0'-3" TOPSOIL (10YR 3/3) DARK BROWN, TOPSOIL, FINE
LOAMY SAND, GRANULAR, FRIABLE.

3'-40" (10YR 4/6) DARK YELLOWISH BROWN GRAVELLY FINE SANDY
LOAM, GRANULAR, FRIABLE.

40"-60" (10YR 5/6) YELLOWISH BROWN GRAVELLY SAND,
GRANULAR, FRIABLE.

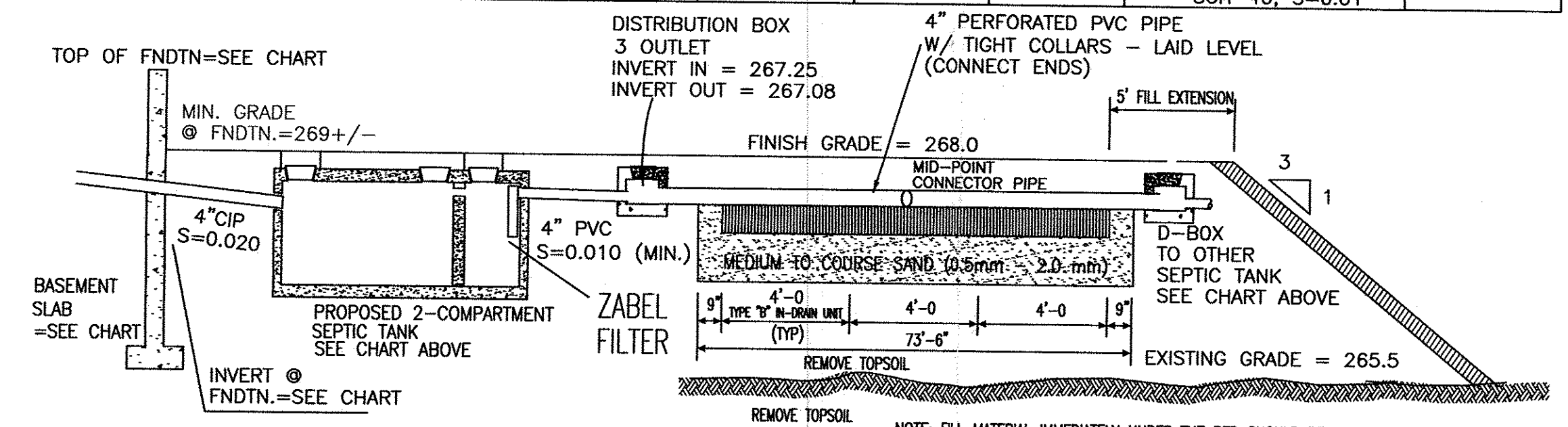
E.S.H.W.T.: @ 36"
NO WATER OBSERVED
REFUSAL: 60"
RESTRICTIVE LAYERS: NONE ENCOUNTERED
PERC. RATE: 8 MIN./INCH @ 36"



I CERTIFY THAT THE AS-BUILT FOUNDATION LOCATION SHOWN
WAS TAKEN FROM A PLAN TITLED "AS-BUILT PLAN OF BUILDING
11/15 HADLEIGH ROAD" AS PREPARED BY PROMISED LAND SURVEY
MARCH 23, 2004

J. Szemplinski
JACK A. SZEMPLINSKI
No. 6496
LICENSED PROFESSIONAL ENGINEER
BENCHMARK ENGINEERING, INC.
3/29/04

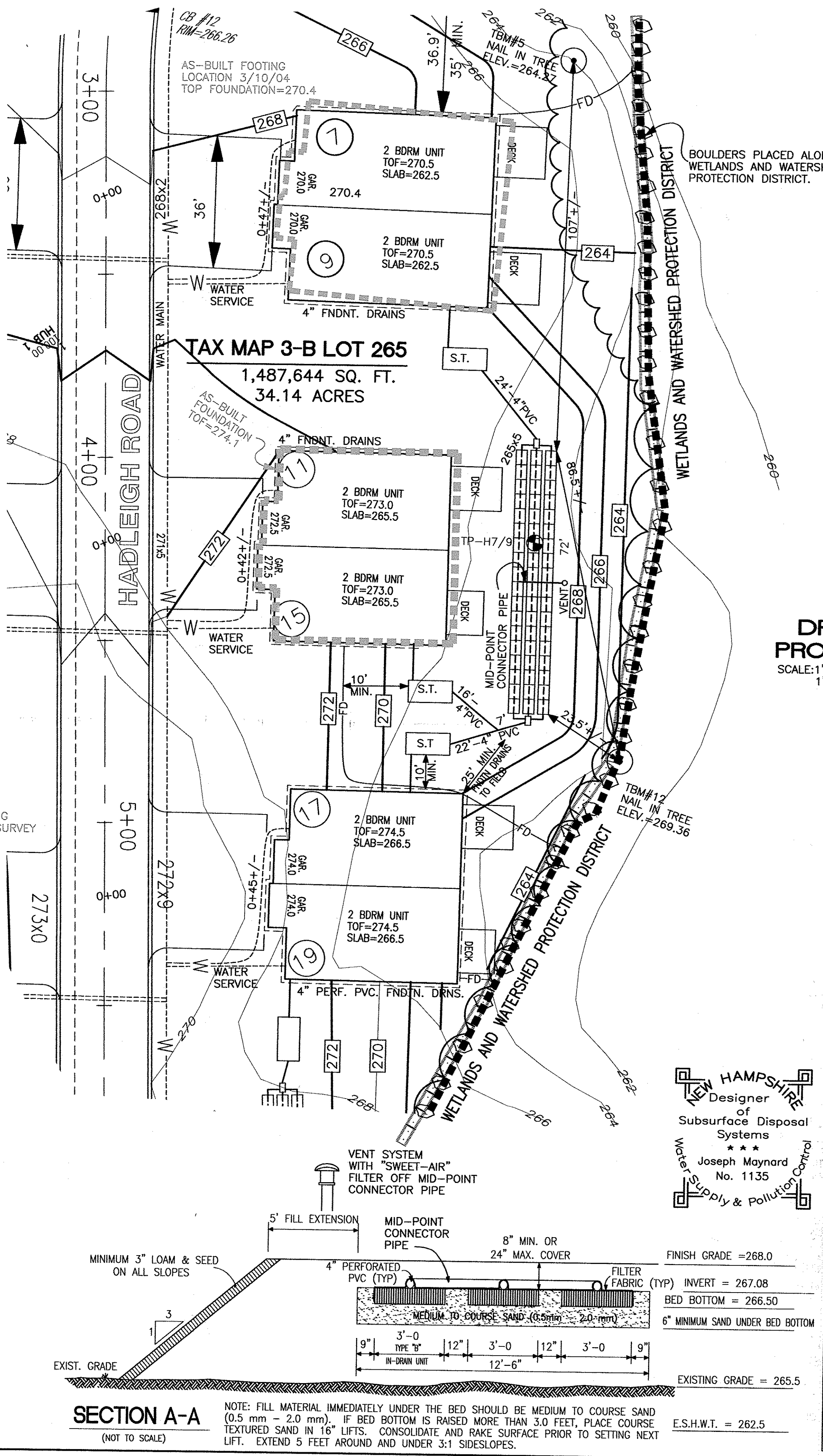
BUILDING/ UNIT#	TOP OF FOUNDATION	BASEMENT SLAB	INVERT @ BUILDING	PIPE RUN BLDG TO SEPTIC TANK	SEPTIC TANK	SEPTIC TANK INVERT IN	SEPTIC TANK INVERT OUT	PIPE RUN SEPTIC TANK TO "Y"/FIELD	INVERT
7/9	270.5	262.5	268.00	10'-4" CIP S=0.02	2,000 GALLON 2-COMPARTMENT	267.75	267.50	ST TO D-BOX 24'-4" PVC SCH-40, S=0.01	INVERT @ D-BOX 267.25
11/15	273.0	265.5	268.00	10'-4" CIP S=0.02	2,000 GALLON 2-COMPARTMENT	267.75	267.50	ST TO PIPE "Y" 16'-4" PVC SCH-40, S=0.01	INVERT @ "Y" 267.32
17	274.5	266.5	268.00	10'-4" CIP S=0.14	1,000 GALLON 2-COMPARTMENT	267.75	267.50	ST TO D-BOX 22'-4" PVC SCH-40, S=0.01	INVERT @ D-BOX 267.25



TYPICAL SYSTEM PROFILE
(NOT TO SCALE)

NOTE: FILL MATERIAL IMMEDIATELY UNDER THE BED SHOULD BE MEDIUM TO COURSE SAND
(0.5 mm - 2.0 mm). IF BED BOTTOM IS RAISED MORE THAN 3.0 FEET, PLACE COURSE
TEXTURED SAND IN 16" LIFTS. CONSOLIDATE AND RAKE SURFACE PRIOR TO SETTING NEXT
LIFT. EXTEND 5 FEET AROUND AND UNDER 3:1 SIDESLOPES.

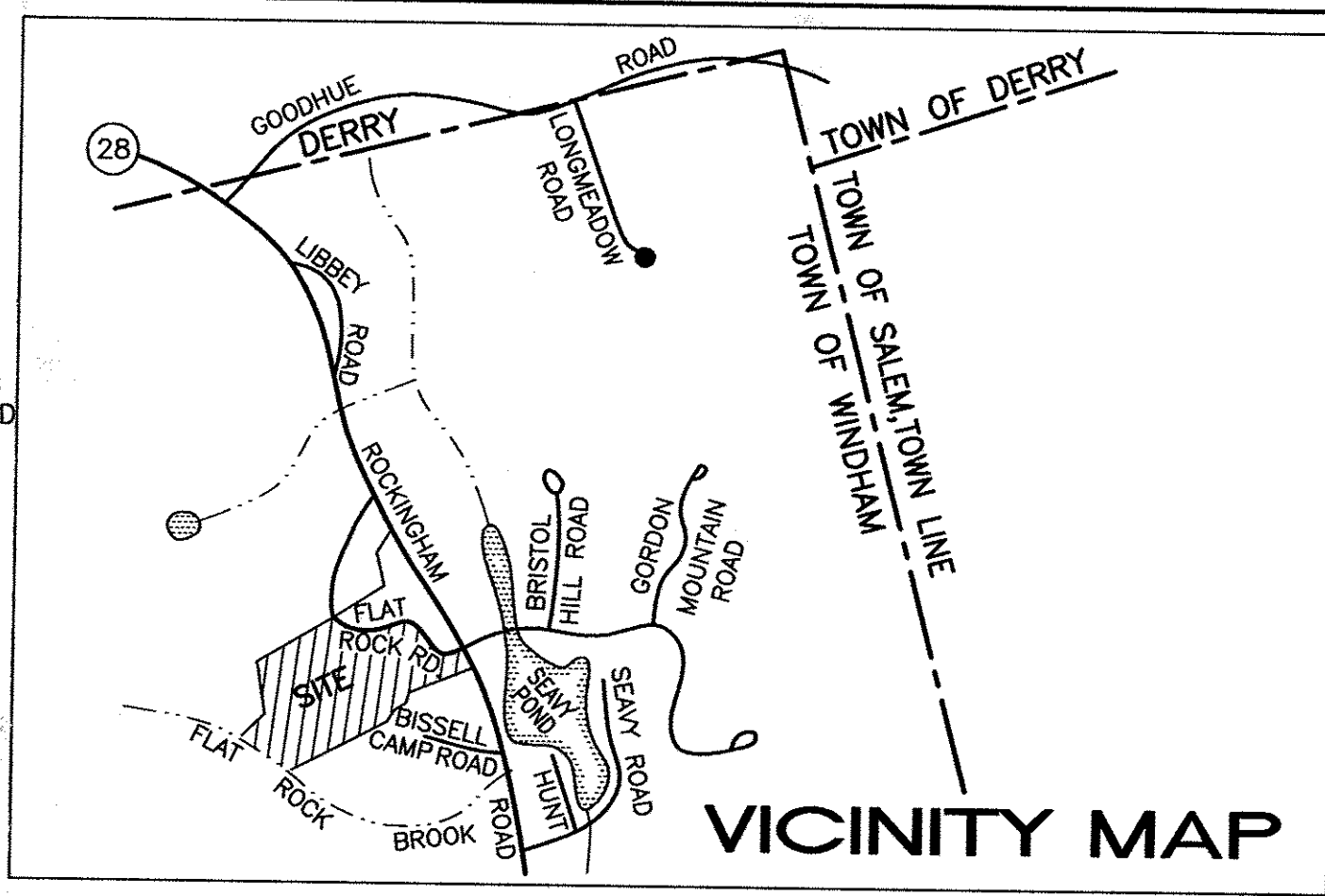
E.S.H.W.T. = 262.5



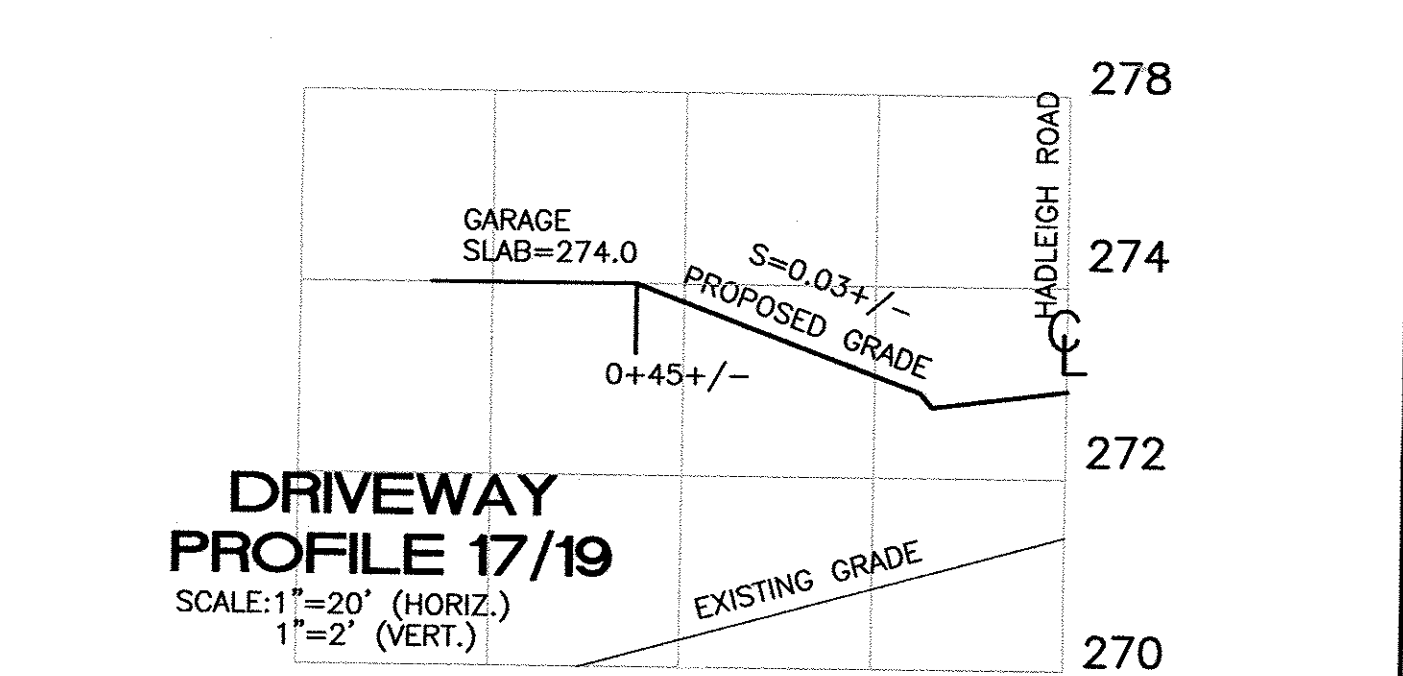
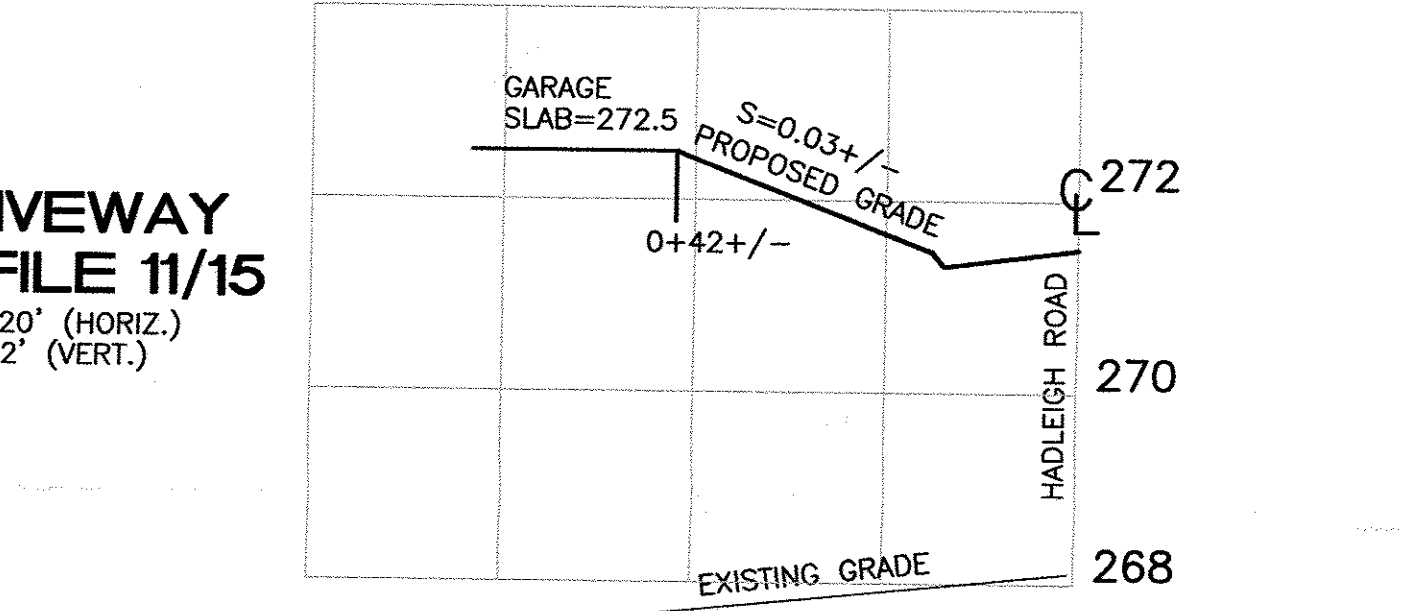
SECTION A-A
(NOT TO SCALE)

NOTE: FILL MATERIAL IMMEDIATELY UNDER THE BED SHOULD BE MEDIUM TO COURSE SAND
(0.5 mm - 2.0 mm). IF BED BOTTOM IS RAISED MORE THAN 3.0 FEET, PLACE COURSE
TEXTURED SAND IN 16" LIFTS. CONSOLIDATE AND RAKE SURFACE PRIOR TO SETTING NEXT
LIFT. EXTEND 5 FEET AROUND AND UNDER 3:1 SIDESLOPES.

E.S.H.W.T. = 262.5



- PLAN REFERENCES:**
- SEE PLANS TITLED "SITE PLANS TAX MAP 3-B LOT 265 HADLEIGH WOODS
WINDHAM, NEW HAMPSHIRE" OWNER: LOT 3-B-200 & 3-B-265
ADDRESS: 8 DEERWOOD HOLLOW CHESTER, NEW HAMPSHIRE 03036
SHEETS 1-15 OF 15 DATED MARCH 27, 2002 AS PREPARED BY THIS OFFICE.
 - SEE PLAN TITLED "SUBDIVISION PLAN TAX MAP 3-B LOT 200 & TAX MAP 3-B LOT 265
TAX MAP 3-B LOT 271 NH ROUTE 28 - ROCKINGHAM ROAD WINDHAM,
NEW HAMPSHIRE 03087" OWNER: LOT 3-B-200 & LOT 3-B-265
H&B HOMES CORP. ADDRESS: 8 DEERWOOD HOLLOW CHESTER, NEW HAMPSHIRE 03036
OWNER: LOT 3-B-271 ANTHONY PETA ADDRESS: 30 BRANDYWINE COMMON
DERRY, NEW HAMPSHIRE 03038 SHEETS 1-12 OF 12 DATED: MARCH 27, 2002
AS PREPARED BY THIS OFFICE.



SEPTIC SYSTEM PLAN
TAX MAP 3-B LOT 265
UNITS 7/9, 11/15 & 17 HADLEIGH ROAD
WINDHAM, NEW HAMPSHIRE 03087

OWNER OF RECORD/PREPARED FOR
H&B HOMES CORP.
8 DEERWOOD HOLLOW
CHESTER, NEW HAMPSHIRE 03036
R.C.R.D. BOOK 3575/PAGE 2759

SCALE: 1"=20'
SHEET 1 OF 1
JANUARY 16, 2004

AS-BUILT FOUNDATION BY PLS	03-23-04
AS-BUILT FOUNDATION BY PLS	03-10-04
REVISIONS	DATE

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