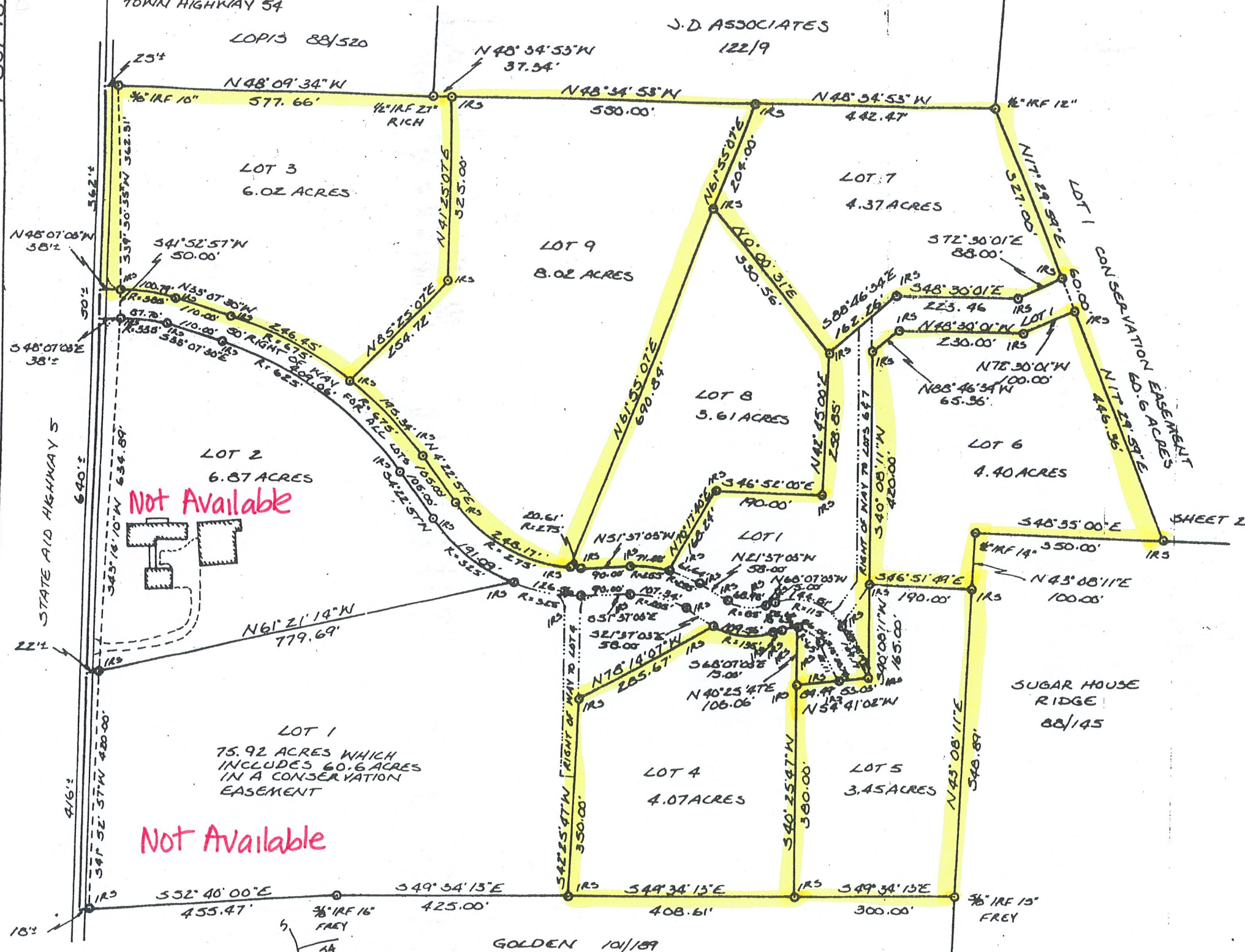


3910± TO
TOWN HIGHWAY 54

SURVEYOR'S STATEMENT:

LAND WESTERLY OF THE N17°29'59"E LINE:

TOTAL STATION SURVEY BY GLENN TOWNIE
ASSISTED BY ZEBULON TOWNIE BASED ON
A PERIMETER SURVEY BY OTHERS AND A
SUBDIVISION PLAN BY LANDPLAN, INC.
OF WARREN, VT. THE SURVEY WORK IDENTIFIED
IS CONSISTENT WITH THIS INFORMATION.
DEGREE OF PRECISION: RURAL

LAND EASTERLY OF THE N17°29'59"E LINE:

PERIMETER COMPILED FROM SURVEYS OF
OTHERS.

BEARINGS ARE BASED ON MAGNETIC NORTH 1971.

RECORD SEARCH BY GLENN TOWNIE.

DRAFTING BY GLENN TOWNIE.

DIMENSION OF MONUMENTS MEASURED BY
COMMONLY ACCEPTED METHODS. ALL MONUMENTS
IN GOOD CONDITION.

THIS PLAT MEETS THE REQUIREMENTS OF
27 VSA 1403.

AREAS

LOT 1	75.92 ACRES
LOT 2	6.87 ACRES
LOT 3	6.02 ACRES
LOT 4	4.07 ACRES
LOT 5	3.45 ACRES
LOT 6	4.40 ACRES
LOT 7	4.37 ACRES
LOT 8	3.61 ACRES
LOT 9	8.02 ACRES
TOTAL	116.73 ACRES

LEGEND

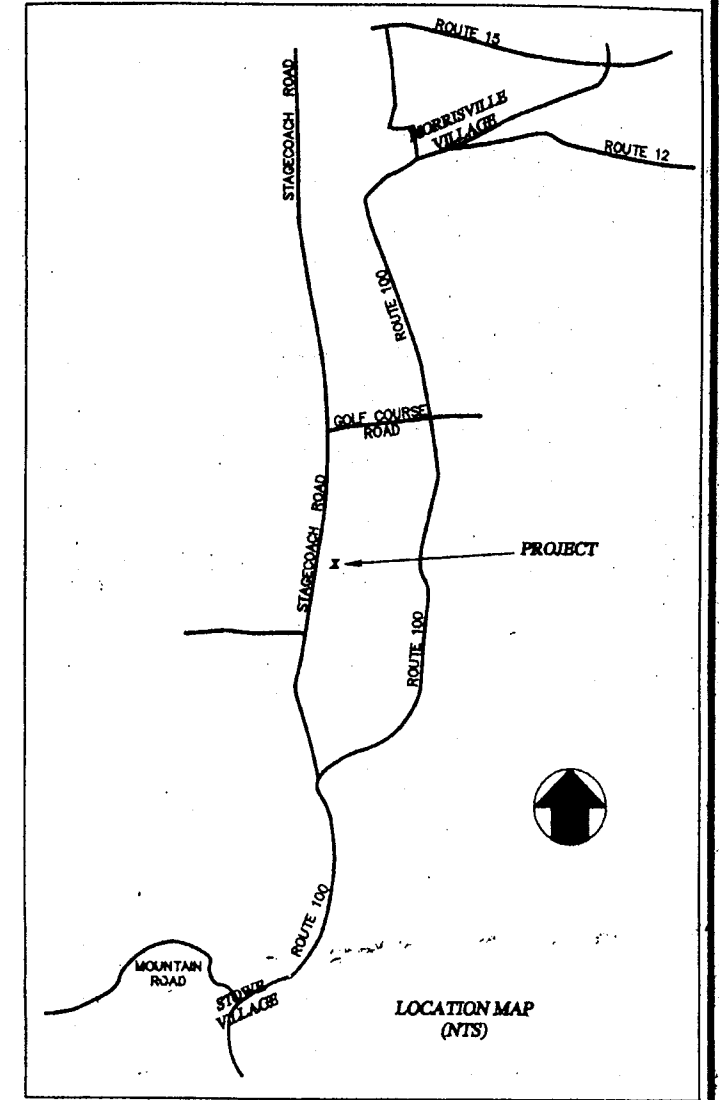
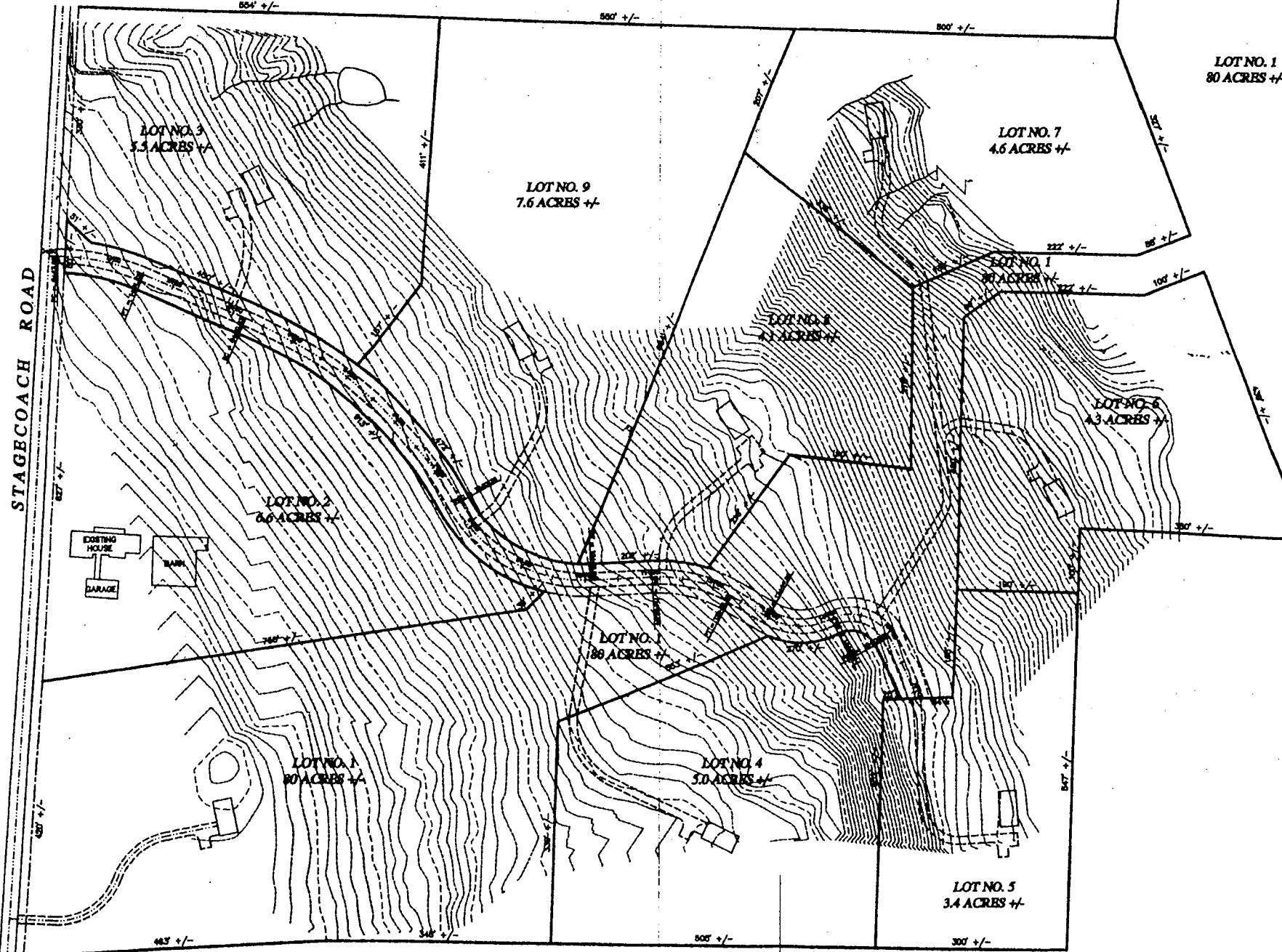
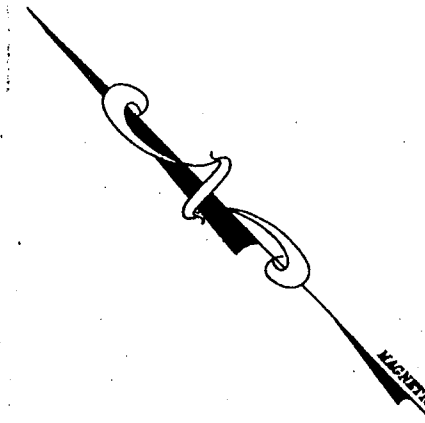
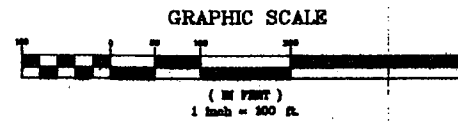
- IRS 6" = IRON ROD SET, 1/2" RE-BAR 6" HIGH
WITH CAP MARKED TOWNIE SEI.
- 3/8" IRF 16" = IRON ROD FOUND, 3/8" RE-BAR 16" HIGH
FREY WITH CAP MARKED FREY
- 1/2" IRF 21" = IRON ROD FOUND, 1/2" RE-BAR 21" HIGH
RICH WITH CAP MARKED RICH
- 1/2" IRF 12" = IRON ROD FOUND, 1/2" RE-BAR 12" HIGH
NO CAP
- IR = IRON ROD
- GB = GRANITE BOUND
- = PROPERTY LINE
- - - = TIE LINE
- ... = EDGE OF RIGHT OF WAY
- 88/145 = BOOK 88, PAGE 145 OF THE LAND
RECORDS

MICHAEL J. BABCOCK
9 LOT SUBDIVISION
MORRISTOWN, VT. - AUGUST 2004
BY GLENN TOWNIE, WATERBURY, VERMONT

0 100 200 300 400 500
SCALE - 1 INCH = 100 FEET
SHEET 1 OF 2 SHEETS
T-807-16

LEGEND:

- STREAM
- ROAD RIGHT OF WAY LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONE WALL
- WIRE FENCE
- GRANITE BOUND FOUND
- ⊗ IRON ROD FOUND (DIA., HT.)
- ⊙ #5 REBAR SET W/ LD. CAP
- ⊙ IRON PIPE FOUND (DIA., HT.)
- ▲ UNMONUMENTED POINT
- ⊗ STAKE AND STONES
- ⊗ ANGLE IRON FOUND
- ⊗ UTILITY POLE
- UTILITY LINE
- GUY ANCHOR
- CATCH BASIN
- DRILLED WELL
- ROADWAY CENTERLINE
- PROPERTY LINE
- BLAZED LINE
- TIE LINE
- BASEMENT EDGE
- PERCOLATION TEST
- TEST PIT
- EDGE OF WOODS
- WELL ISOLATION LINE

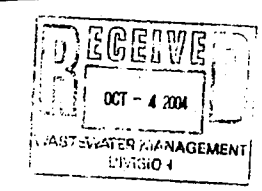


DEPT. OF ENVIRONMENTAL CONSERVATION

APPROVED: *John Klein*

PERMIT #: *10-5-2881*

DATE: *10-4-04*



100 SCALE OVERALL SITE PLAN
FOR THE PROPERTY SUBDIVISION OF LAND
IN
MORRISTOWN, VERMONT
BELONGING TO
THE BABCOCK FARM
ON STAGECOACH ROAD
SCALE: 1" = 100'
DATED: 26 JULY 2004
04030 - 1
SHEET 1 OF 6

TOPOGRAPHIC SITE PLAN AND SEPTIC SYSTEM DESIGN
FOR THE PROPERTY SUBDIVISION OF LAND

IN
MORRISTOWN, VERMONT

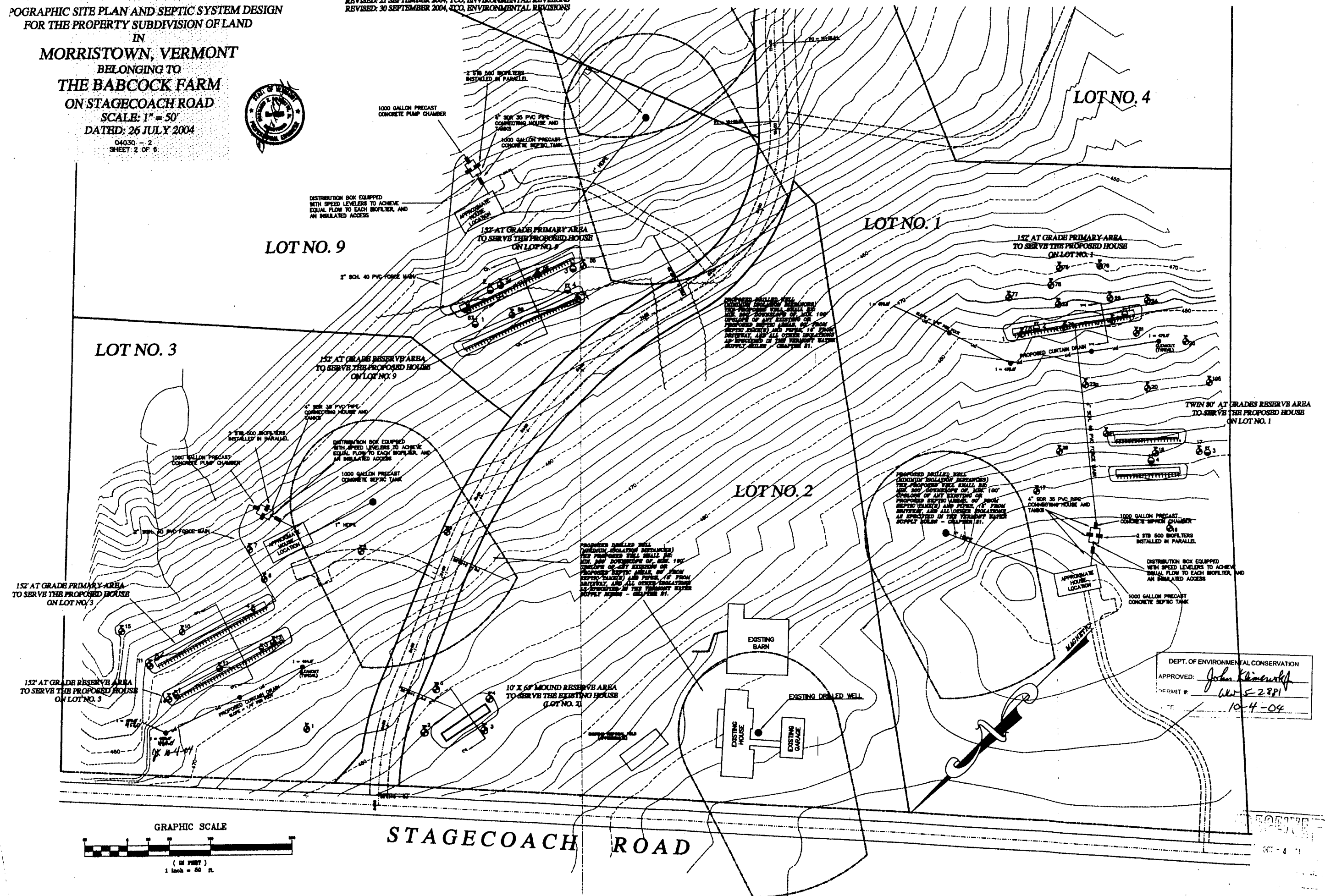
BELONGING TO
THE BABCOCK FARM
ON STAGECOACH ROAD

SCALE: 1" = 50'
DATED: 26 JULY 2004

04030 - 2
SHEET 2 OF 6

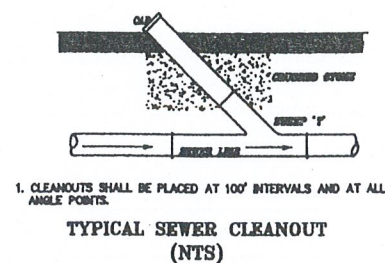
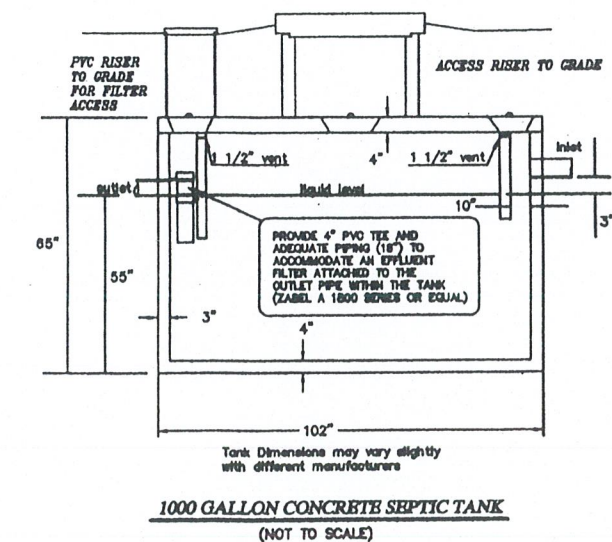
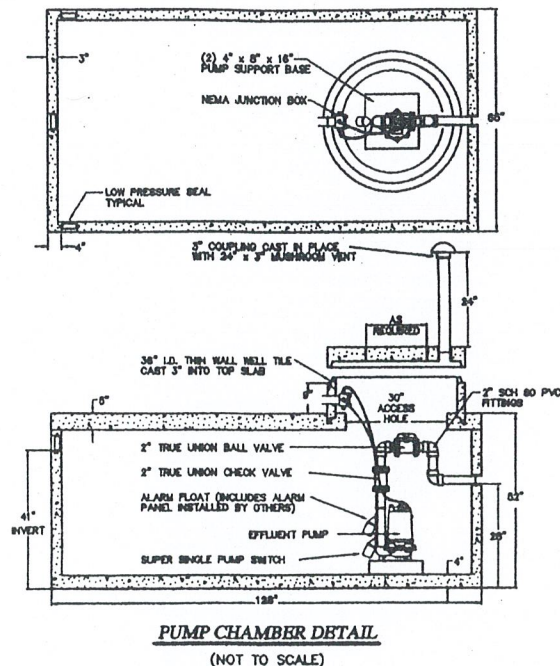


REVISED: 21 SEPTEMBER 2004, TCO, ENVIRONMENTAL REVISIONS
REVISED: 30 SEPTEMBER 2004, TCO, ENVIRONMENTAL REVISIONS



PUMP STATION NOTES

1. PUMP TO BE CONSISTENT WITH THE PUMP SELECTION CHART.
2. LIQUID LEVELS TO BE CONTROLLED BY MERCURY LEVEL CONTROLS.
3. A VISUAL(LIGHT) ALARM IS TO BE INSTALLED IN THE ELECTRICAL ROOM OF THE BUILDING AND AT THE PUMP STATION.
4. A MANUAL "PUMP ON" SWITCH SHALL BE PROVIDED IN THE BUILDING.
5. THE PUMP STATION SHALL BE TESTED FOR LEAKAGE AND INFILTRATION, EACH OVER A 24 HOUR PERIOD. NO LEAKAGE OR INFILTRATION SHALL BE PERMITTED.
6. PRESSURE AND LEAKAGE TESTS SHALL BE PERFORMED ON THE FORCE MAIN IN ACCORDANCE WITH APPENDIX A SECTION 04G AND 04H OF THE ENVIRONMENTAL PROTECTION RULES.



PUMP SELECTION CHART

LOT #	REQUIRED FLOW	TOTAL DYNAMIC HEAD
1		SIPHON FLOW
3	55 GPM	55 FEET
4	50 GPM	25 FEET
5	50 GPM	55 FEET
6	50 GPM	25 FEET
7	50 GPM	63 FEET
8	50 GPM	110 FEET
9	50 GPM	60 FEET

CONSTRUCTION NOTES:

1. INSTALLER SHALL PROVIDE DESIGNER 48HRS. NOTICE PRIOR TO BEGINNING CONSTRUCTION FOR PLAN REVIEW, AND SYSTEM LAYOUT. AT TIME OF PLAN REVIEW A TESTING/INSPECTION SCHEDULE SHALL BE DETERMINED. THERE WILL BE A PEE FOR SYSTEM LAYOUT AND FOR INSPECTION AND REPORTS.
2. INSTALLER SHALL VERIFY ALL QUANTITIES.
3. THE AREA SURROUNDING DISPOSAL AREAS AND SEPTIC COMPONENTS SHALL BE GRADED 90 AS TO DIVERT SURFACE RUNOFF WATERS.
4. THE AREA DESIGNATED AS SECONDARY AREAS SHALL BE AVOIDED SO AS TO PREVENT COMPACTION OF SOILS.
5. THE INSTALLER SHALL PROVIDE ASBUILT TIES FOR ALL SEPTIC COMPONENTS FOR FUTURE RECOVERY IF NECESSARY.
6. ALL SEPTIC COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH E.P.R. CHAPTER 1, SUBCHAPTER 6.
7. THE SERVICE LINE FROM THE PROPOSED RESIDENCE TO THE SEPTIC TANK & PUMP STATION SHALL BE PVC SDR 35, AND SHALL MAINTAIN A MIN. OF 1/4" PER FOOT SLOPE.
8. A MINIMUM DEPTH OF 4.5' SHALL BE MAINTAINED OVER ALL SEWER AND WATER LINES, (6.0' MIN. OVER PIPES IN PLOWED AREAS). PROVIDE INSULATION IN AREAS OF LESS THAN MINIMUM COVER.
9. ANY ALTERATION OF THESE PLANS WITHOUT THE EXPRESS WRITTEN CONSENT OF THE DESIGNER SHALL RENDER THESE PLANS NULL & VOID.
10. PRIOR TO OPERATION THE PORTABLE WATER SYSTEM SHALL BE SUCCESSFULLY PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH E.P.R. CHAP. 81, WATER SUPPLY RULES, VERMONT DEPT. OF HEALTH REGULATIONS & SUBCHAPTER 10.8 OF THE NATIONAL PLUMBING CODE.
11. THE LOCATION OF ALL UNDERGROUND UTILITIES, IF ANY, SHALL BE CONSIDERED APPROXIMATE UNTIL CERTIFIED IN THE FIELD. THE CONTRACTOR IS ADVISED TO BE AWARE OF ALL UTILITIES NOT SHOWN THAT MAY EXIST.
12. CUT TREES IN MOUND AREAS AT GROUND LEVEL, LEAVING STUMPS, PRIOR TO PLOWING. REMOVE ALL TREES WITHIN 10' OF MOUND TOP.
13. MOUND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH E.P.R. CHAP. 1, SUBCHAPTER 6, 1-617.
14. MOUND SAND MUST BE CERTIFIED PRIOR TO DELIVERY AND A WRITTEN COPY OF THE SUEVE ANALYSIS SHALL BE SUBMITTED TO THE DESIGNER PRIOR TO BEGINNING CONSTRUCTION.
15. PROPOSED SEPTIC TANK(S) SHALL BE S.T. GRIEWOOLD 1000 GALLON PRECAST CONCRETE, WITH 4000 PSI REINFORCED CONCRETE WITH LOW PRESSURE SEALS DESIGNED TO ACCEPT 4" PVC PIPE. WALLS OF TANK SHALL HAVE A MINIMUM THICKNESS OF 8". ALL TANKS SHALL BE TESTED FOR LEAKAGE.
16. THE PROPOSED SEPTIC TANK SHALL BE FITTED WITH AN EFFLUENT FILTER THAT PREVENTS THE PASSAGE OF ANY PARTICLE LARGER THAN 1/8" OF AN INCH.
17. THE PROPOSED FORCE MAIN SHALL BE TESTED IN ACCORDANCE WITH E.P.R. CHAP. 1, APPENDIX 1A-06. THE TESTS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE DESIGNER.

DESIGN CALCULATIONS FOR AN AT-GRADE SEPTIC SYSTEM:

6 BEDROOM HOME: 3 x 140 GPD PER BEDROOM + 3 x 70 GPD PER BEDROOM = 630 GALLONS PER DAY

PERCOLATION RATE = 25 MIN/INCH (WORST CASE)

$Q = 0.8 \times 3 / 15 = 0.8 \times 3 / 25 = 0.48$ GPD PER SQ. FT.

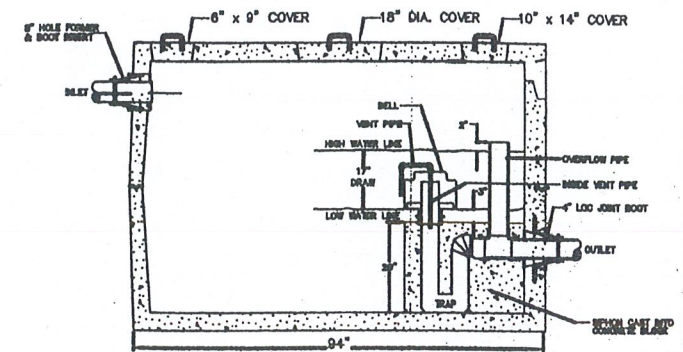
APPLICATION RATE IS DOUBLED FOR DISPOSAL OF FILTRATE:

APPLICATION RATE OF 0.96 GPD/SQ. FT.
REQUIRED AREA = 630 GPD / 0.96 GPD PER SQ. FT. = 656 SQ. FT.

LINEAR LOADING RATE CANNOT EXCEED 4.5 GAL PER LINEAL FOOT

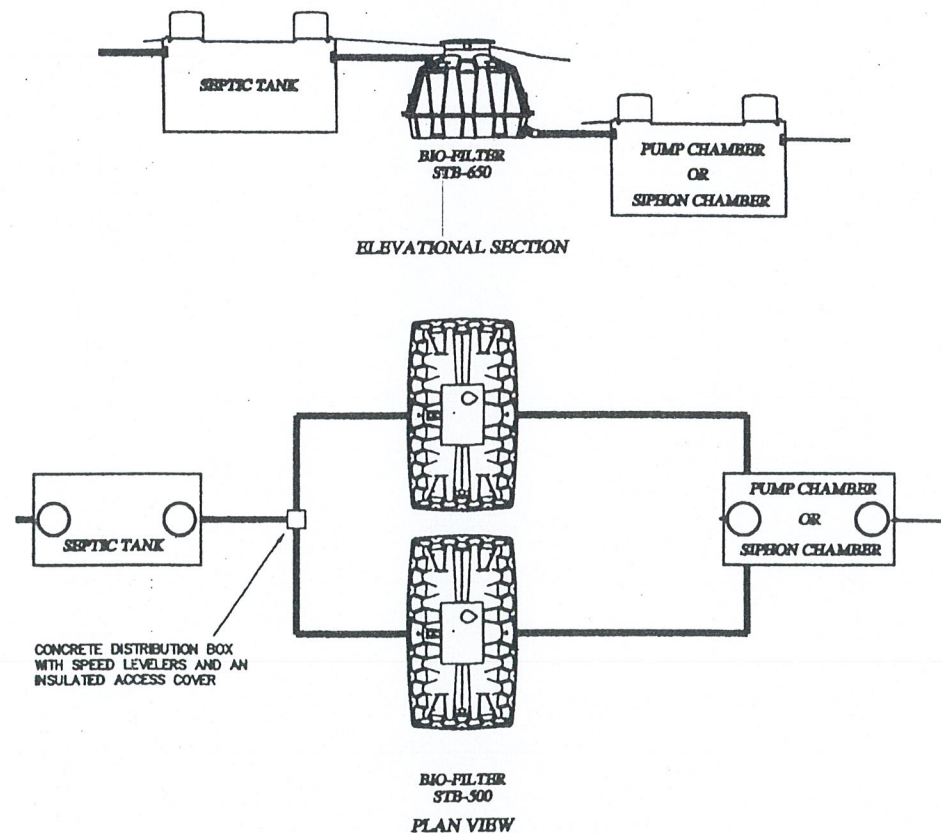
630 GPD / 4.5 GPD/FT = REQUIRED LENGTH = 140 FT
LENGTH PROVIDED = 152 FT.

PROVIDED AREA = 152' OF 6' WIDE BED = 912 SQ. FT.



SIPHON CHAMBER NOTES

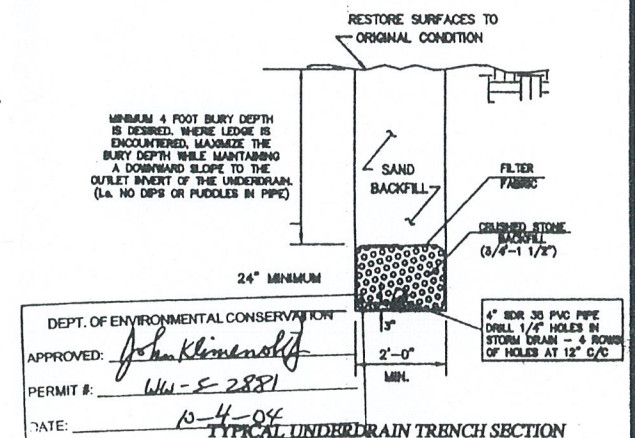
1. SIPHON IS TO BE A FLUID DYNAMICS MODEL 419.
2. LIQUID LEVELS TO BE CONTROLLED BY MERCURY LEVEL CONTROLS.
3. A VISUAL(LIGHT) ALARM IS TO BE INSTALLED IN THE ELECTRICAL ROOM OF THE BUILDING AND AT THE PUMP STATION.
4. A MANUAL "PUMP ON" SWITCH SHALL BE PROVIDED IN THE BUILDING.
5. THE PUMP STATION SHALL BE TESTED FOR LEAKAGE AND INFILTRATION, EACH OVER A 24 HOUR PERIOD. NO LEAKAGE OR INFILTRATION SHALL BE PERMITTED.
6. PRESSURE AND LEAKAGE TESTS SHALL BE PERFORMED ON THE FORCE MAIN IN ACCORDANCE WITH APPENDIX A SECTION 04G AND 04H OF THE ENVIRONMENTAL PROTECTION RULES.



SEPTIC SYSTEM NOTES

1. PRIOR TO THE PLACEMENT OF THE CRUSHED STONE, THE SURFACE AREA IS TO BE PLOWED.
2. THE SEPTIC SYSTEMS ARE DESIGNED FOR SIX BEDROOM HOUSES AT A SOIL PERCOLATION RATES OF LESS THAN 60 MINUTES PER INCH.
3. CONSTRUCT A SHALLOW DITCH AT THE UPHILL SIDE OF THE SYSTEM TO DIVERT THE FLOW OF SURFACE WATER.
4. MAINTAIN THE FINISHED SURFACE AS A LAWN AREA.
5. A GARBAGE DISPOSAL IS NOT TO BE INSTALLED IN THE HOME TO BE SERVED BY THIS SEPTIC SYSTEM.
6. THIS SEPTIC SYSTEM IS DESIGNED FOR NORMAL HOUSEHOLD USE ONLY. THE DISCHARGE OF EXCESSIVE QUANTITIES OF WATER FROM HOT TUBS OR OTHER HEAVY CONSUMPTION DEVICES WILL OVERLOAD THE SYSTEM AND GREATLY SHORTEN ITS LIFE. CHLORINATED WATER OF ANY KIND IS NOT TO BE DISCHARGED TO THE SYSTEM.

REVISED: 30 SEPTEMBER 2004, TCO, ENVIRONMENTAL REVISIONS
REVISED: 21 SEPTEMBER 2004, TCO, ENVIRONMENTAL REVISIONS

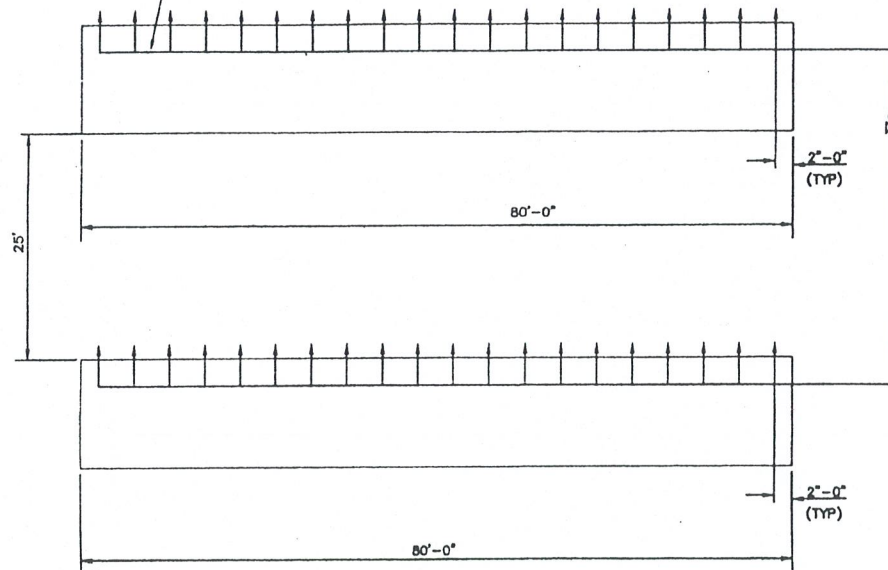


DETAILS OF CONSTRUCTION FOR
SEPTIC SYSTEM DESIGN ON LAND
IN
MORRISTOWN, VERMONT
BELONGING TO
THE BABCOCK FARM
ON STAGECOACH ROAD
SCALE: AS NOTED
DATED: 26 JULY 2004



DATUM ELEV
873.00
GROUP SEPTIC
SECTION BB

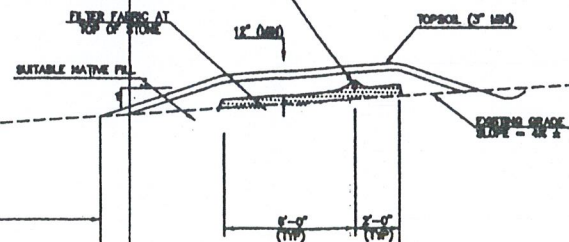
76 FOOT LATERAL WITH 1/4" DIA. HOLES DRILLED AT 48" SPACING
DOSAGE AREA = 6' X 4' = 24 SQ. FT. (OK)



AT-GRADE SEPTIC SYSTEM SCHEMATIC
(NOT TO SCALE)

TESTING REQUIREMENTS:
MANHOLES - LEAKAGE AND INFILTRATION TESTING OF MANHOLES SHALL BE DONE CONSISTENT WITH ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, APPENDIX 1A SECT. 1-A-03-K-1.
SEWER LINES - LEAKAGE TESTING SHALL BE DONE IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION RULES FOR WATER OR AIR TESTING PROCEDURES (CHAPTER 1, APPENDIX 1A SECT. 1-A-03-K-1 & 2).
WATER MAINS - LEAKAGE AND PRESSURE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA STANDARD C600. DISINFECTION OF WATER MAINS SHALL BE DONE IN ACCORDANCE WITH AWWA STANDARD C651. (TABLET METHOD IS NOT ACCEPTABLE)
FORCE MAINS - PRESSURE AND LEAKAGE TESTS SHALL BE CONDUCTED CONSISTENT WITH APPENDIX 1A, SECTION 1-A-05-g OF THE ENVIRONMENTAL PROTECTION RULES.
TANKS, PUMP STATIONS, AND SIPHON CHAMBERS - USE THE SAME SPECIFICATIONS AS NOTED FOR MANHOLES ABOVE.

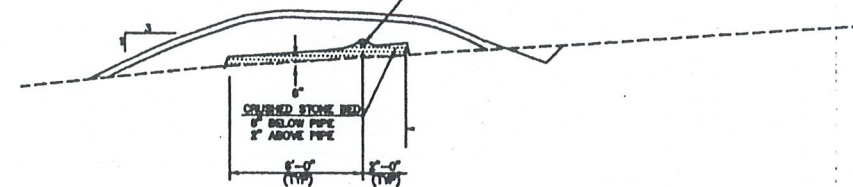
76 FOOT LATERAL WITH 1/4" DIA. HOLES DRILLED AT 48" SPACING
DOSAGE AREA = 6' X 4' = 24 SQ. FT. (OK)



AT GRADE SECTION
SCALE: 1/4" = 1' 0"

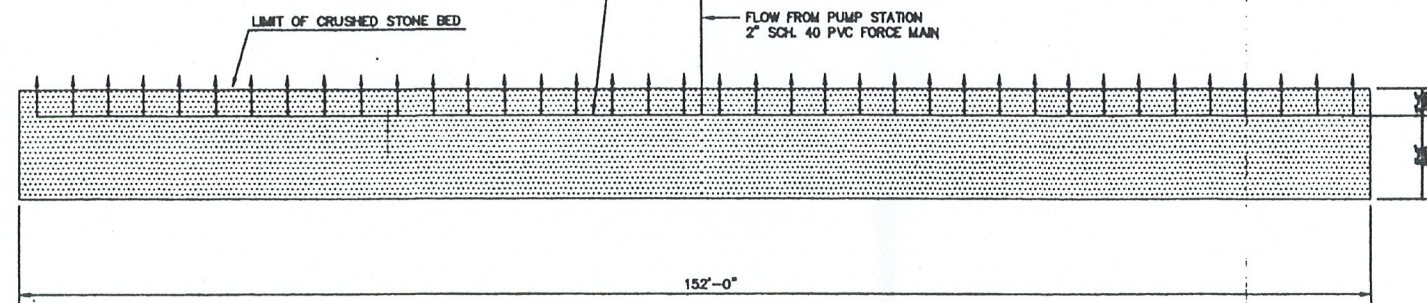
DATUM ELEV
873.00
GROUP SEPTIC
SECTION BB

100 FOOT LATERAL WITH 1/4" DIA. HOLES DRILLED AT 48" SPACING
DOSAGE AREA = 6' X 4' = 24 SQ. FT. (OK)

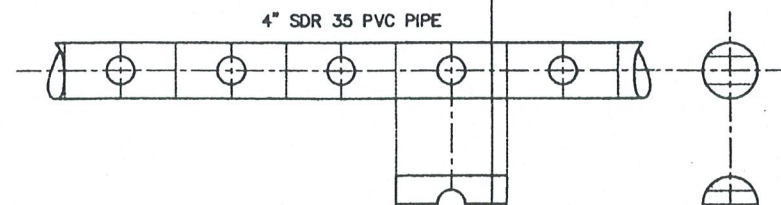


AT GRADE SECTION
SCALE: 1/4" = 1' 0"

100 FOOT LATERAL WITH 1/4" DIA. HOLES DRILLED AT 48" SPACING
DOSAGE AREA = 6' X 4' = 24 SQ. FT. (OK)



AT-GRADE SEPTIC SYSTEM SCHEMATIC
(NOT TO SCALE)



NOTES:
 DRILL 2 1/4" DIA. HOLES COMPLETELY THROUGH THE CENTER OF THE 4" PIPE. SPACED AT 8" CENTER TO CENTER.
 CUT THE 4" PIPE INTO 8" SECTIONS WITH HOLES CENTERED IN THE SECTION.
 RIP CUT EACH SECTION LENGTHWISE SO AS TO CUT EACH OF THE HOLES ON EITHER SIDE OF THE SECTION IN HALF.
 EACH HALF PIPE WILL HAVE GROOVES ON EACH SIDE WHICH WILL FIT OVER TOP OF THE 2" LATERAL. ATTACH EACH SHIELD TO THE LATERAL WITH GLUE ONLY AFTER THE PRESSURE DISTRIBUTION SYSTEM HAS BEEN TESTED.



ORIFICE SHIELD CONSTRUCTION
(NOT TO SCALE)

DEPT. OF ENVIRONMENTAL CONSERVATION
 APPROVED: *John Kleinmoltz*
 PERMIT #: *10-5-2881*
 DATE: *10-4-04*

OCT - 4
 WASTEWATER MANAGEMENT
 DIVISION

DETAILS OF CONSTRUCTION FOR
 SEPTIC SYSTEM DESIGN ON LAND
 IN
MORRISTOWN, VERMONT
 BELONGING TO
THE BABCOCK FARM
 ON STAGECOACH ROAD
 SCALE: AS NOTED
 DATED: 26 JULY 2004



Babcock Property Morristown, VT

Test Pit Log
Date of Borings: 2/27/04 & 3/04/04
Witness: John Klimenok, Don Swath

TP#1
Abandoned (in out area for slippage)

TP#2
0-20" Sandy loam, brown/reddish brown, loose, possible silt mottles @ 24"
20-30" Silt and clayey silt, olive green, medium firm, stained & mottled
30-40" Friction shale ledge
NWD

TP#3
0-1" Topsoil
1-20" Sandy loam, brown/reddish brown, loose, mottled @ 24-30"
20-30" Silt and clayey silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#4
0-1" Topsoil
1-20" Sandy loam, brown/reddish brown, loose, mottled @ 24"
20-30" Silt and clayey silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#5
0-24" Sandy loam
24-30" Silt and clayey silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#6
0-1" Topsoil
1-20" Sandy loam, brown/reddish brown, loose, possible silt mottles @ 30"
20-30" Silt and clayey silt, olive green, medium firm, mottled
30-40" Friction shale ledge
NWD

TP#7
0-20" Sandy loam, loose, some mottles @ 15"
20-30" Silt and clayey silt, olive green, firm
30-40" Friction shale ledge
NWD

TP#8
Mottled clay shale @ 15-18"
London, Inc.

TP#9
Ledge @ 15-24"
London, Inc.

TP#10
0-1" Topsoil
1-20" Sandy loam, brown, loose, mottles @ 25"
20-30" Silt, olive green, firm, mottled
30-40" Friction shale ledge (friction shale pipe with loose silt, of unknown origin or distribution)
NWD

TP#11
0-20" Sandy loam, brown, loose
20-30" Silt and clayey silt, olive green, firm, loose, possible mottles below 30"
30-40" Friction shale ledge
NWD

TP#12
0-20" Sandy loam, brown, loose, some silt mottles @ 15"
20-30" Silt, olive green, firm, mottled
30-40" Friction shale ledge
NWD

TP#13
0-1" Topsoil
1-20" Sandy loam, brown, loose, mottles starting @ 25"
20-30" Silt, olive green, medium firm, mottled
30-40" Friction shale ledge
NWD

TP#14
0-15" Sandy loam, brown, loose, some mottles @ 15" (appears to be in area where some excavation had occurred for runway construction)
15-20" Silt, olive green, medium firm, mottled
20-30" Friction shale ledge
NWD

TP#15
0-15" Sandy loam, brown, loose, some mottles @ 15"
15-20" Silt, olive green, firm, mottled
20-30" Friction shale ledge
NWD

TP#16
0-20" Sandy loam, light brown, loose, mottles @ 25"
20-30" Silt, olive green, medium firm, mottled
30-40" Friction shale ledge
NWD

TP#17
0-20" Sandy loam, brown, loose, mottles @ 25"
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#18
Same as 17
Ledge @ 30"
NWD

TP#19
0-20" Sandy loam, brown, loose, mottles @ 25"
20-30" Silt, olive green, medium firm, mottled
30-40" Friction shale ledge
NWD

TP#20
0-20" Sandy loam, brown, loose, mottles @ 25"
20-30" Silt, olive green, medium firm, mottled
30-40" Friction shale ledge
NWD

TP#21
0-24" Sandy loam, brown, loose, mottles @ 25"
24-30" Silt, olive green, medium firm, mottled
30-40" Friction shale ledge
NWD

TP#22
Mottled depth to ledge (possibly in area not for runway construction)
NWD

TP#23
0-24" Sandy loam, brown, loose, mottles @ 25"
24-30" Silt, olive green, medium firm, mottled
30-40" Friction shale ledge
NWD

TP#24
0-27" Sandy loam, brownish gray, loose, possible silt mottles @ 27"
27-30" Silt, olive green, firm, mottled
30-40" Friction shale ledge
NWD

TP#25
0-1" Topsoil
1-20" Sandy loam, brown, loose
20-30" Silt, olive green, medium firm, no mottles evident
30-40" Friction shale ledge
NWD

TP#26
0-1" Topsoil
1-20" Sandy loam, reddish brown/brown, loose
20-30" Silt, olive green, medium firm, roots to 30"
30-40" Friction shale ledge or bedrock
NWD

TP#27
0-24" Topsoil and loam, dark brown/brown
24-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#28
0-1" Topsoil
1-24" Sandy loam, brown, loose, mottles @ 24"
24-30" Silt, olive green, medium firm, mottled
30-40" Friction shale ledge
NWD

TP#29
Same as 28
NWD

TP#30
0-1" Topsoil
1-20" Sandy loam, brown, loose, some mottles @ 25"
20-30" Silt, olive green, medium firm, mottled, roots to 35"
30-40" Friction shale ledge
NWD

TP#31
0-1" Topsoil
1-17" Brown sandy loam, mottled @ 15"
17-30" Silt, mottled, mottled
30-40" Friction shale ledge
NWD

TP#32
0-1" Topsoil
1-17" Brown sandy loam, mottled @ 15"
17-30" Silt, mottled, mottled
30-40" Friction shale ledge
NWD

TP#33
0-1" Topsoil
1-17" Brown sandy loam, mottled @ 15"
17-30" Silt, mottled, mottled
30-40" Friction shale ledge
NWD

TP#34
0-1" Topsoil
1-17" Brown sandy loam, mottled @ 15"
17-30" Silt, mottled, mottled
30-40" Friction shale ledge
NWD

TP#35
0-1" Topsoil
1-20" Brown sandy loam, loose, mottled @ 25"
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#36
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#37
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#38
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#39
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#40
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#41
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#42
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#43
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#44
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#45
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#46
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#47
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#48
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#49
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#50
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#51
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#52
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#53
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#54
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#55
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#56
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#57
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

TP#58
0-1" Topsoil
1-20" Brown sandy loam, loose
20-30" Silt, olive green, medium firm
30-40" Friction shale ledge
NWD

PERCOLATION TESTS APRIL 2004

LOT NO. 4

HOLE	DEPTH	DEPTH OF TEST	MEASURED DROP	RATE (MIN/INCH)
1	20"	14"	1.0"	28
2	19"	13"	1.0"	15
3	20"	14"	1.0"	15
4	20"	14"	1.0"	8

LOT NO. 5

HOLE	DEPTH	DEPTH OF TEST	MEASURED DROP	RATE (MIN/INCH)
1	20"	14"	1.0"	20
2	20"	14"	1.0"	15
3	19"	13"	1.0"	25
4	20"	14"	1.0"	15

LOT NO. 6

HOLE	DEPTH	DEPTH OF TEST	MEASURED DROP	RATE (MIN/INCH)
1	20"	14"	1.0"	10
2	20"	14"	1.0"	20
3	19"	13"	1.0"	30
4	20"	14"	1.0"	25

LOT NO. 7

HOLE	DEPTH	DEPTH OF TEST	MEASURED DROP	RATE (MIN/INCH)
1	22"	16"	1.0"	10
2	21"	15"	1.0"	10
3	21"	15"	1.0"	30
4	20"	14"	1.0"	15

LOT NO. 8

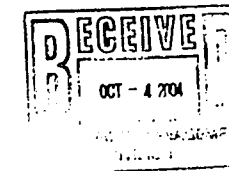
HOLE	DEPTH	DEPTH OF TEST	MEASURED DROP	RATE (MIN/INCH)
1	18"	12"	1.0"	15
2	20"	14"	1.0"	20
3	19"	13"	1.0"	15
4	18"	13"	1.0"	10

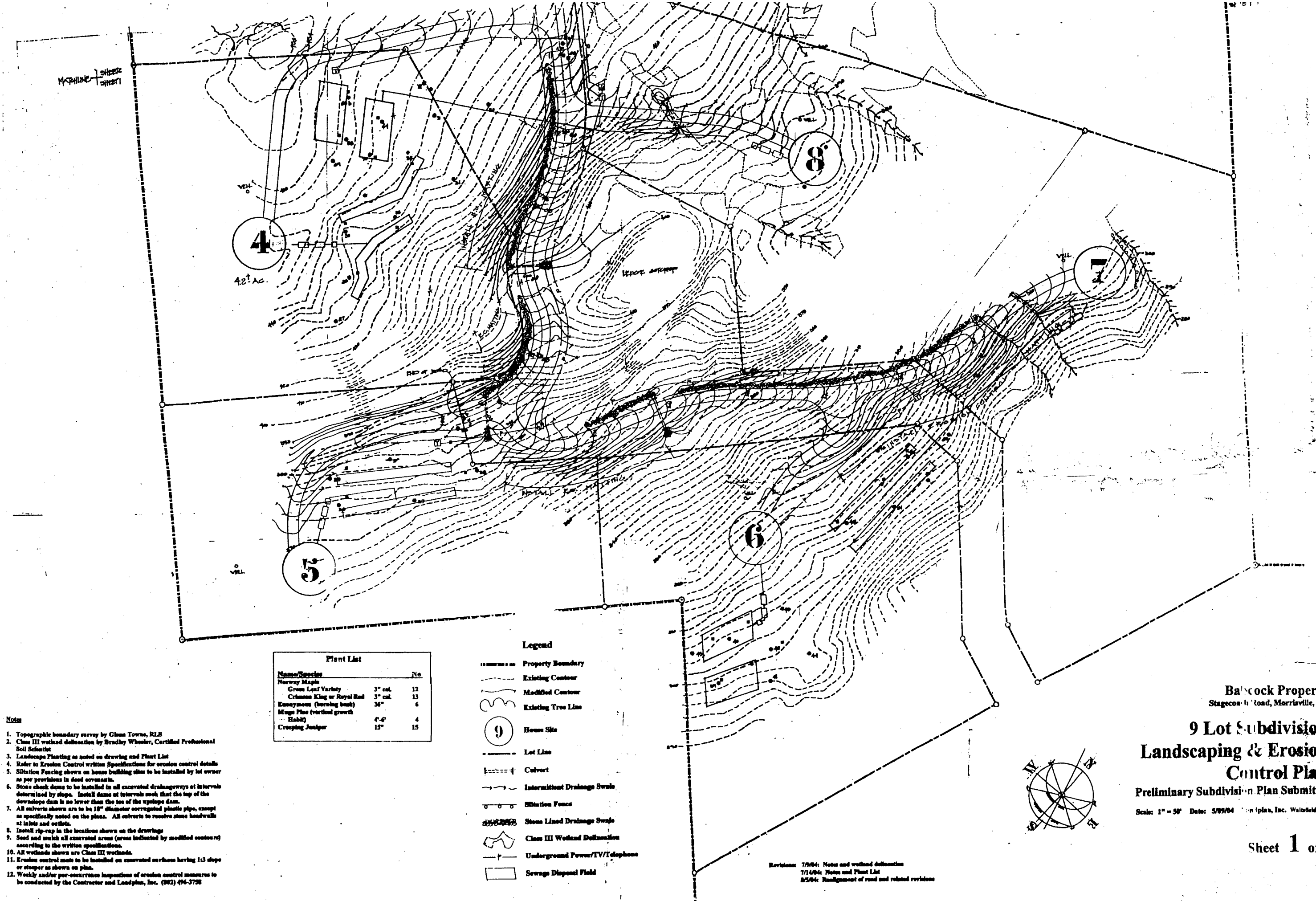
LOT NO. 9

HOLE	DEPTH	DEPTH OF TEST	MEASURED DROP	RATE (MIN/INCH)
1	20"	14"	1.0"	25
2	20"	14"	1.0"	20
3	20"	14"	1.0"	15
4	21"	15"	1.0"	10

DEPT. OF ENVIRONMENTAL CONSERVATION
APPROVED: *John Klimenok*
PERMIT #: *WV-2881*
DATE: *10-4-04*

DESIGN DATA FOR
SEPTIC SYSTEM DESIGNS ON LAND
IN
MORRISTOWN, VERMONT
BELONGING TO
THE BABCOCK FARM
ON STAGECOACH ROAD
SCALE: AS NOTED
DATED: 26 JULY 2004





- Notes**
1. Topographic boundary survey by Glenn Towne, RLS
 2. Class III wetland delineation by Bradley Wheeler, Certified Professional Soil Scientist
 3. Landscape Planting as noted on drawing and Plant List
 4. Refer to Erosion Control written Specifications for erosion control details
 5. Situation Fencing shown on house building sites to be installed by lot owner as per provisions in deed covenants.
 6. Stone check dams to be installed in all excavated drainageways at intervals determined by slope. Install dams at intervals such that the top of the downslope dam is no lower than the toe of the upslope dam.
 7. All culverts shown are to be 18" diameter corrugated plastic pipe, except as specifically noted on the plans. All culverts to receive stone headwalls at inlets and outlets.
 8. Install rip-rap in the locations shown on the drawings
 9. Seed and mulch all excavated areas (areas indicated by modified contours) according to the written specifications.
 10. All wetlands shown are Class III wetlands.
 11. Erosion control mats to be installed on excavated surfaces having 1:3 slope or steeper as shown on plan.
 12. Weekly and/or per-occurrence inspections of erosion control measures to be conducted by the Contractor and Landplus, Inc. (802) 496-3798

Plant List		
Name/Species		No
Norway Maple		
Green Leaf Variety	3" cal.	12
Crimson King or Royal Red	3" cal.	13
Euonymus (burning bush)	36"	6
Mugo Pine (vertical growth)		
Hobby	4'-6"	4
Creeping Juniper	15"	15

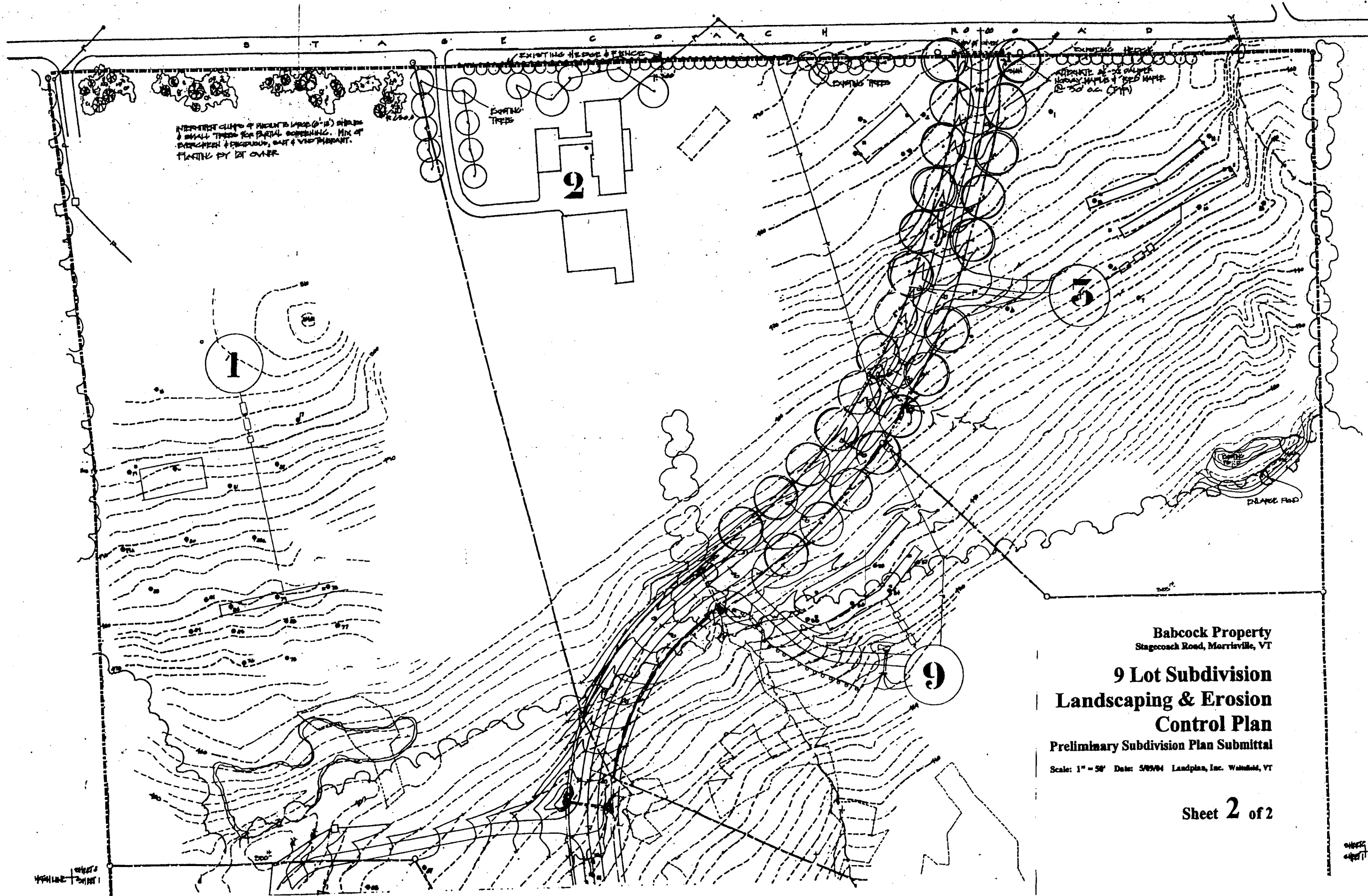
- Legend**
- Property Boundary
 - Existing Contour
 - Modified Contour
 - Existing Tree Line
 - House Site
 - Lot Line
 - Culvert
 - Intermittent Drainage Swale
 - Situation Fence
 - Stone Lined Drainage Swale
 - Class III Wetland Delineation
 - Underground Power/TV/Telephone
 - Sewage Disposal Field

Balcock Property
Stagecoach Road, Morrisville, VT

**9 Lot Subdivision
Landscaping & Erosion
Control Plan**

Preliminary Subdivision Plan Submittal

Scale: 1" = 50' Date: 5/05/04 Landplus, Inc. Walpole, NH



Babcock Property
Stagecoach Road, Morrisville, VT
**9 Lot Subdivision
Landscaping & Erosion
Control Plan**
Preliminary Subdivision Plan Submittal
Scale: 1" = 50' Date: 5/25/04 Landplan, Inc. Watford, VT

1/2" = 1' HATCH