L.

LEVERETT ROAD Lot #3
(260)

3

No. 88-5 Fee 90.00

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

Application is hereby made for a Permit to Construct (✓) or Repair ( ) an Individual Sewage Disposal System at:

260 LEVERETT ROAD — Location - Address
LOT #5 — or Lot No.
LEIGH ANDREWS 549-0548 — Owner
260 LEVERETT RD. — Address
STONEY'S EXCAVATING — Installer
MONTAGUE, MA. — Address

Type of Building — Size Lot 84,000 Sq. feet
Dwelling ✓ No. of Bedrooms 4 Expansion Attic (No) Garbage Grinder (No)
Other — Type of Building ..... No. of persons ..... Showers ( ) — Cafeteria ( )
Other fixtures .....

Design Flow 110 gallons per ~~person~~ BEDROOM per day. Total daily flow 440 gallons.
Septic Tank ✓ Liquid capacity 1000 gallons Length 8' Width 5' Diameter ..... Depth 4'
Disposal ~~Trench~~ FIELD — No. 1 Width 24' Total Length 40' Total leaching area 960 sq. ft.
Seepage Pit No. ..... Diameter ..... Depth below inlet ..... Total leaching area ..... sq. ft.
Other Distribution box (Yes) Dosing tank (No)
Percolation Test Results Performed by R. SCOTT, P.E. WITNESS: C. DRAKE, MI BOH Date 12-29-86
Test Pit No. 1 7 minutes per inch Depth of Test Pit 90" Depth to ground water 36"
Test Pit No. 2 ..... minutes per inch Depth of Test Pit ..... Depth to ground water .....

Description of Soil TO 6" TOPSOIL; TO 30" SUBSOIL; TO DEPTH DENSE TILL W/ FINES & 1"-3" COBBLES
(RECORDED ON 12-29-86 AS "TEST SITE #4")

Nature of Repairs or Alterations — Answer when applicable .....

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed [signature] 2/4/88 Date

Application Approved By ..... Date

Application Disapproved *for the following reasons:* ..... Date

Permit No. ..... Issued ..... Date

CHECK OR FILL IN WHERE APPLICABLE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

..... OF .....

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by ..... Installer

at .....

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. ..... dated .....

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE ..... Inspector .....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

..... OF .....

No. ..... Fee .....

Disposal Works Construction Permit

Permission is hereby granted .....
to Construct ( ) or Repair ( ) an Individual Sewage Disposal System
at No. ..... Street
as shown on the application for Disposal Works Construction Permit No. ..... Dated .....

..... Board of Health

DATE .....

Lot 1 88-4
Lot 5 88-5
Lot 3 88-6

Richard Scott, P.E.
31 Shutesbury Rd.
Pelham, Mass. 01002

January 26, 1988

Amherst Board of Health
Town Hall
Amherst, Mass. 01002

Attn: Mr. Dennis Pinski

Dear Dennis:

Enclosed are four copies of septic system design paperwork for three lots on Leverett Road owned by Leigh Andrews. Percolation tests for these lots were witnessed by Charlie Drake in December 1986.

The perc tests and initial planning for the lots were done prior to the current set of Amherst supplemental regulations and prior to your assumption of Mr. Drake's responsibilities. This design work is presented here in the form I customarily have sent to Charlie and is, I believe, in accordance with his interpretation of Title 5.

If you have any questions about form or content of this work please call me during the day at (617-544-2511)

Sincerely,

Richard Scott

Richard Scott, P.E.

cc: Leigh Andrews
549-1124 H
549-0548 B (answering machine)

AMHERST HEALTH DEPARTMENT
BANGS COMMUNITY CENTER
70 BOLTWOOD WALK
AMHERST, MA 01002
FEB 4 1988

No..... Fee.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

Application is hereby made for a Permit to Construct (✓) or Repair ( ) an Individual Sewage Disposal System at:

260 LEVERETT ROAD — LOT #5
Location - Address — or Lot No.

LEIGH ANDREWS — 260 LEVERETT RD.
Owner — Address

STONEY'S EXCAVATING — MONTAGUE, MA.
Installer — Address

FEB 04 1988

Type of Building — Size Lot 84,000 Sq. feet

Dwelling ✓ No. of Bedrooms 4 Expansion Attic (No) Garbage Grinder (No)

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

Other fixtures .....

Design Flow 110 gallons per ~~person~~ BEDROOM per day. Total daily flow 440 gallons.

Septic Tank ✓ Liquid capacity 1000 gallons Length 8' Width 5' Diameter..... Depth 4'

Disposal ~~Trench~~ FIELD — No. 1 Width 24' Total Length 40' Total leaching area 960 sq. ft.

Seepage Pit No..... Diameter..... Depth below inlet..... Total leaching area..... sq. ft.

Other Distribution box (YES) Dosing tank (No)

Percolation Test Results Performed by R. SCOTT, P.E. WITNESS: C. DRAKE, MI BOH Date 12-29-86

Test Pit No. 1 7 minutes per inch Depth of Test Pit 90" Depth to ground water 36"

Test Pit No. 2 ..... minutes per inch Depth of Test Pit..... Depth to ground water.....

Description of Soil TO 6" TOPSOIL; TO 30" SUBSOIL; TO DEPTH DENSE TILL W/ FINES & 1"-3" COBBLES

(RECORDED ON 12-29-86 AS, "TEST SITE #4")

Nature of Repairs or Alterations — Answer when applicable.....

CHECK OR FILL IN WHERE APPLICABLE

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed..... .....
Date

Application Approved By..... .....
Date

Application Disapproved *for the following reasons:*.....

.....
Date

Permit No..... Issued.....
Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

..... OF .....

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by.....
Installer

at.....

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No..... dated.....

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE..... Inspector.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No..... ..... OF ..... Fee.....

Disposal Works Construction Permit

Permission is hereby granted.....

to Construct ( ) or Repair ( ) an Individual Sewage Disposal System

at No.....
Street

as shown on the application for Disposal Works Construction Permit No..... Dated.....

.....
Board of Health

DATE.....

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

OBSERVATION PITS

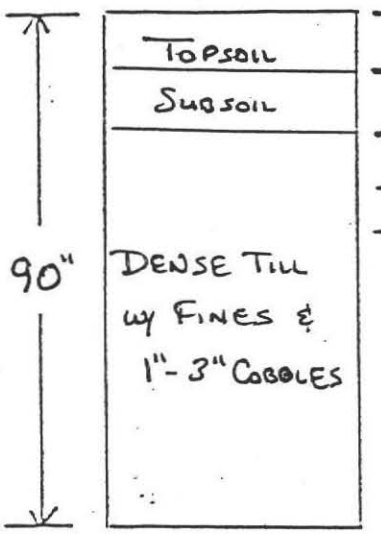
REQUESTED BY: LEIGH ANDREWS

LOCATION: 260 LEVERETT RD. AMHERST
SITE #4 - LOT #5

MAILING ADDRESS: -SAME-

DATE: 12-29-86 OBSERVER: RICHARD SCOTT

WITNESS: C.E. DRAKE AMHERST B.O.H.



- 0 EL 95.2
- 6"
- 30"
- 30" PERC HOLE BOTTOM
- 36" WATER SEEPAGE EL 92.2

Groundwater _____

Perc Rate _____

START SOAK @ 12:50

START TEST @ 1:09

10" @ 1:22

9" @ 1:30

3" IN 21 MIN.
< 30 MIN. OKAY

6½" @

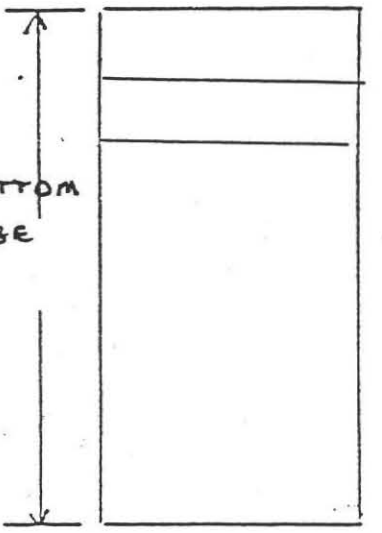
6" @ 1:50

3" = 20 MIN.

PERC RATE =
7 MIN./INCH

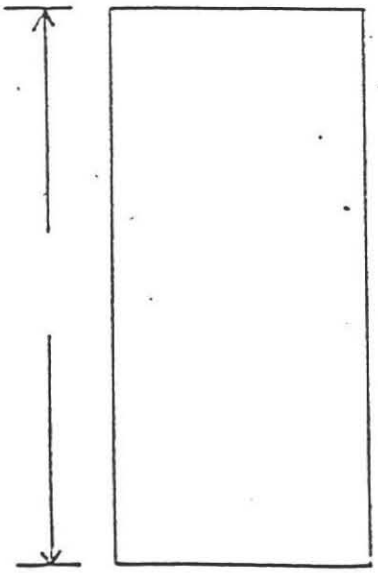
Groundwater _____

Perc Rate _____



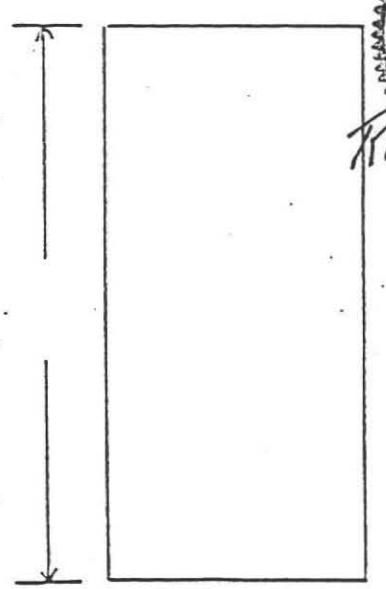
Groundwater _____

Perc Rate _____



Groundwater _____

Perc Rate _____



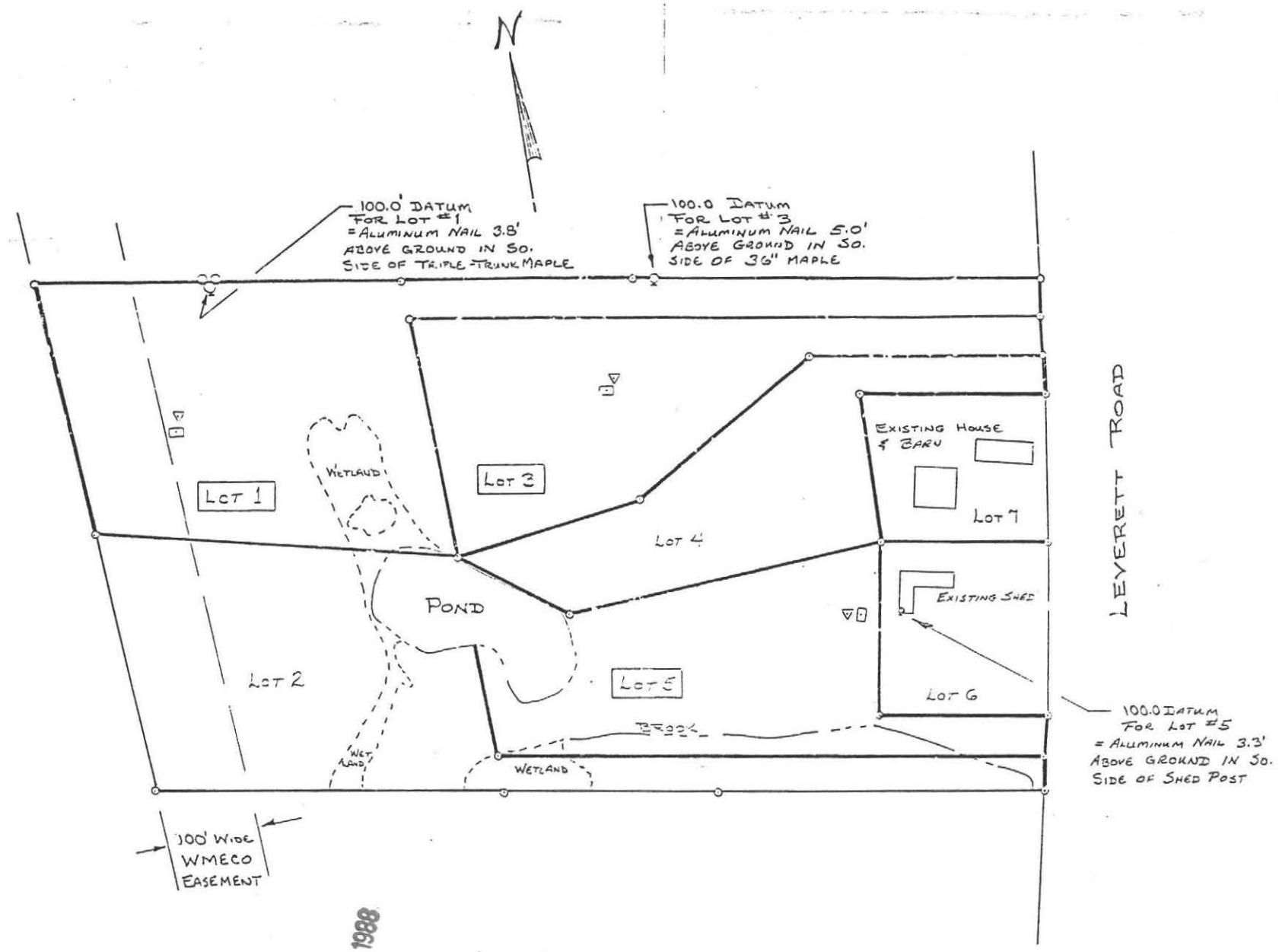
Groundwater _____

Perc Rate _____

FEB 04 1988

COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

Richard Scott 1-2-88



NOTES

1.) FOR BOUNDARY LENGTHS & BEARINGS SEE PLAN BY A. HUNTLEY & ASSOC.

2) CURRENT DESIGN WORK IS FOR LOT NUMBERS 1, 3, & 5 ONLY

3.) ▽ = LOCATION OF PERCOLATION TEST
⊡ = LOCATION OF DEEP HOLE TEST

FEB 04 1988

SEPTIC SYSTEM LAYOUTS
260 LEVERETT ROAD, AMHERST MA.

SCALE: 1" = 100'	APPROVED BY:	DRAWN BY PMS
DATE: 11-13-87		REVISED
PROPOSED LOT BOUNDARIES LOTS #1, #3 & #5		
FOR: LEIGH ANDREWS BY: RICHARD SCOTT, P.E.		DRAWING NUMBER

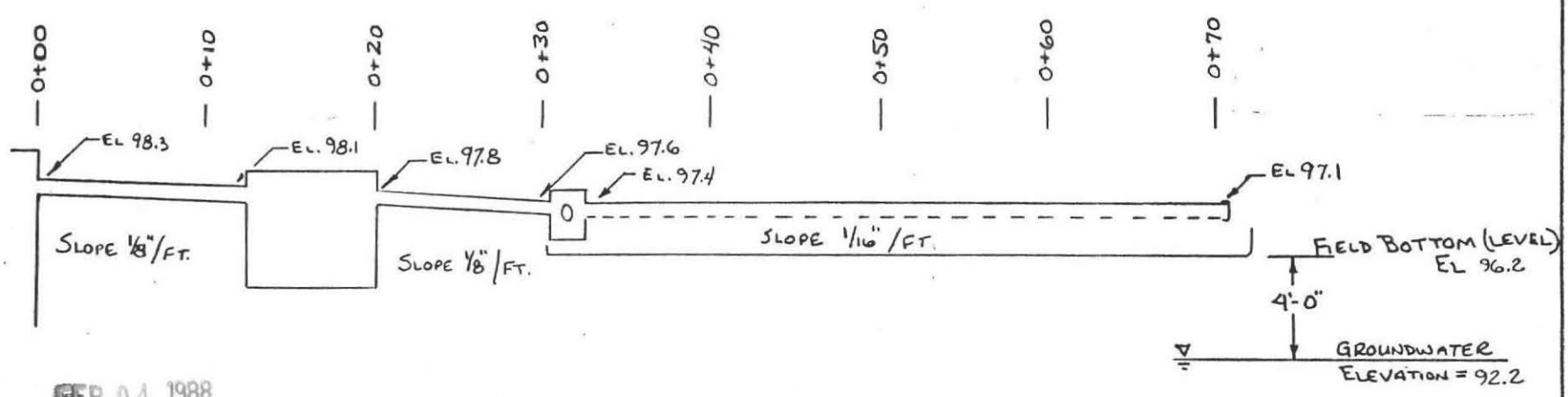
17 X 22 PRINTED ON NO. 1000H CLEARPRINT

SYSTEM DESIGN CALCULATIONS

4 BEDROOM X 110 GAL PER BEDROOM PER DAY = 440 G.P.D. DESIGN FLOW

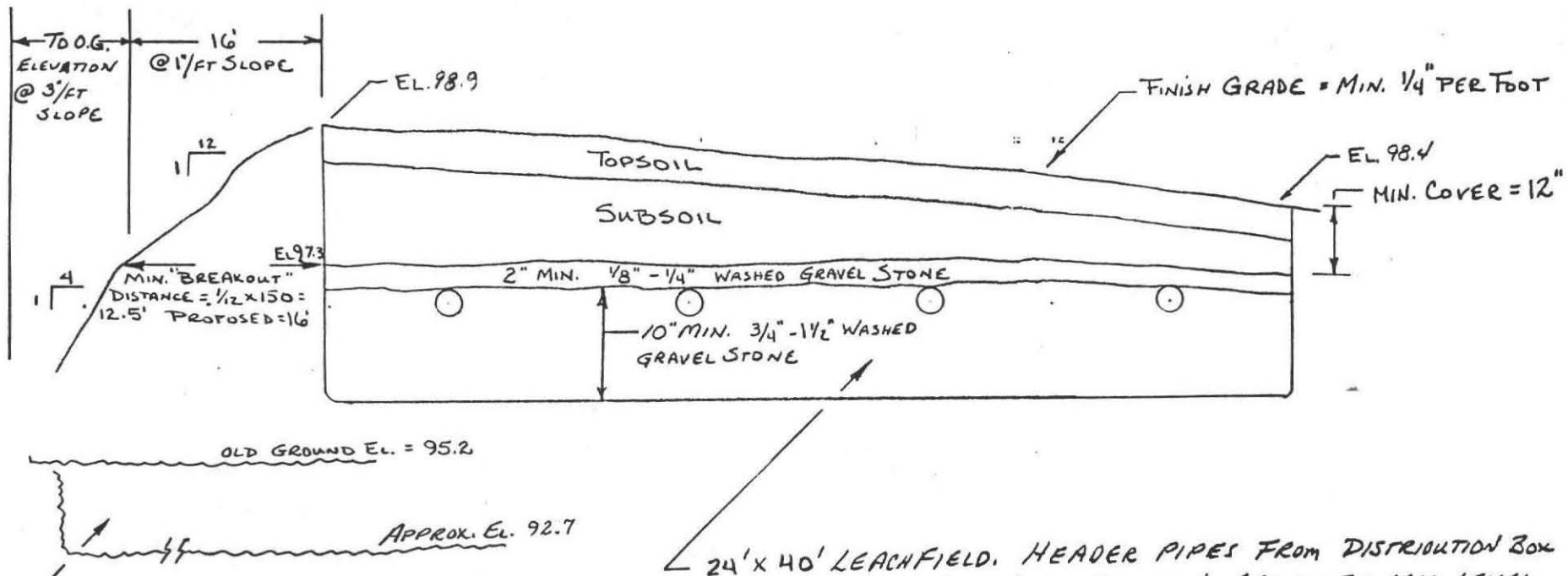
MINIMUM EFFECTIVE SEPTIC TANK VOLUME = 1.5 X 440 = 660 GALLONS
SPECIFIED EFFECTIVE TANK VOLUME = 1000 GALLONS
PERCOLATION RATE = 8 MINUTES PER INCH → DESIGN LOADING =
= 1.6 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.
MINIMUM LEACH FIELD BOTTOM AREA = 440 X 1.6 = 704 SQ. FT. X 1.25 "AMHERST FACTOR" = 880 FT²
LEACH FIELD SPECIFIED FOR THIS SITE = 24' X 40' = 960 SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.Q.E. STATE ENVIORONMENTAL CODE TITLE 5 AND TOWN OF AMHERST SUPPLEMENTAL REGULATIONS



FEB 04 1988

SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW
SCALE: HORIZ: 1" = 10' VERT: N.T.S.



EXCAVATE ALL TOP & SUBSOIL IN AN AREA 25' BEYOND FIELD BOUNDARIES IN ALL DIRECTIONS. FILL & MACHINE-COMPACT BANK-RUN GRAVEL TO EL. 96.2 CONSTRUCT FIELD. MAX. FIN. EL. OVER TOP OF FIELD = 98.9 BEYOND LIMITS OF FINISHED FIELD, GRADE @ 1" PER FOOT X 16' THEN 3" PER FOOT TO RETURN TO OLD GROUND ELEVATION.

24' X 40' LEACHFIELD. HEADER PIPES FROM DISTRIBUTION BOX TO BE 4" PVC NON-PERFORATED & ARE TO BE LAID LEVEL. 160 LIN. FT. OF 4" PERFORATED PVC DISTRIBUTION PIPE TO BE LAID AT MIN. .005' PER FT. ALL PIPE ENDS TO BE CAPPED.

LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW
SCALE: HORIZ: 1" = 4' VERT: N.T.S.

COMMONWEALTH OF MASSACHUSETTS RICHARD M. SCOTT CIVIL No. 31199 REGISTERED PROFESSIONAL ENGINEER

Richard Scott 1-8-88

PROPOSED SEPTIC SYSTEM DESIGN
260 LEVERETT RD., AMHERST LOT #5
FOR: LEIGH ANDREWS
PREPARED BY: RICHARD SCOTT, P.E.
SCALE: AS SHOWN DATE: 1-8-88

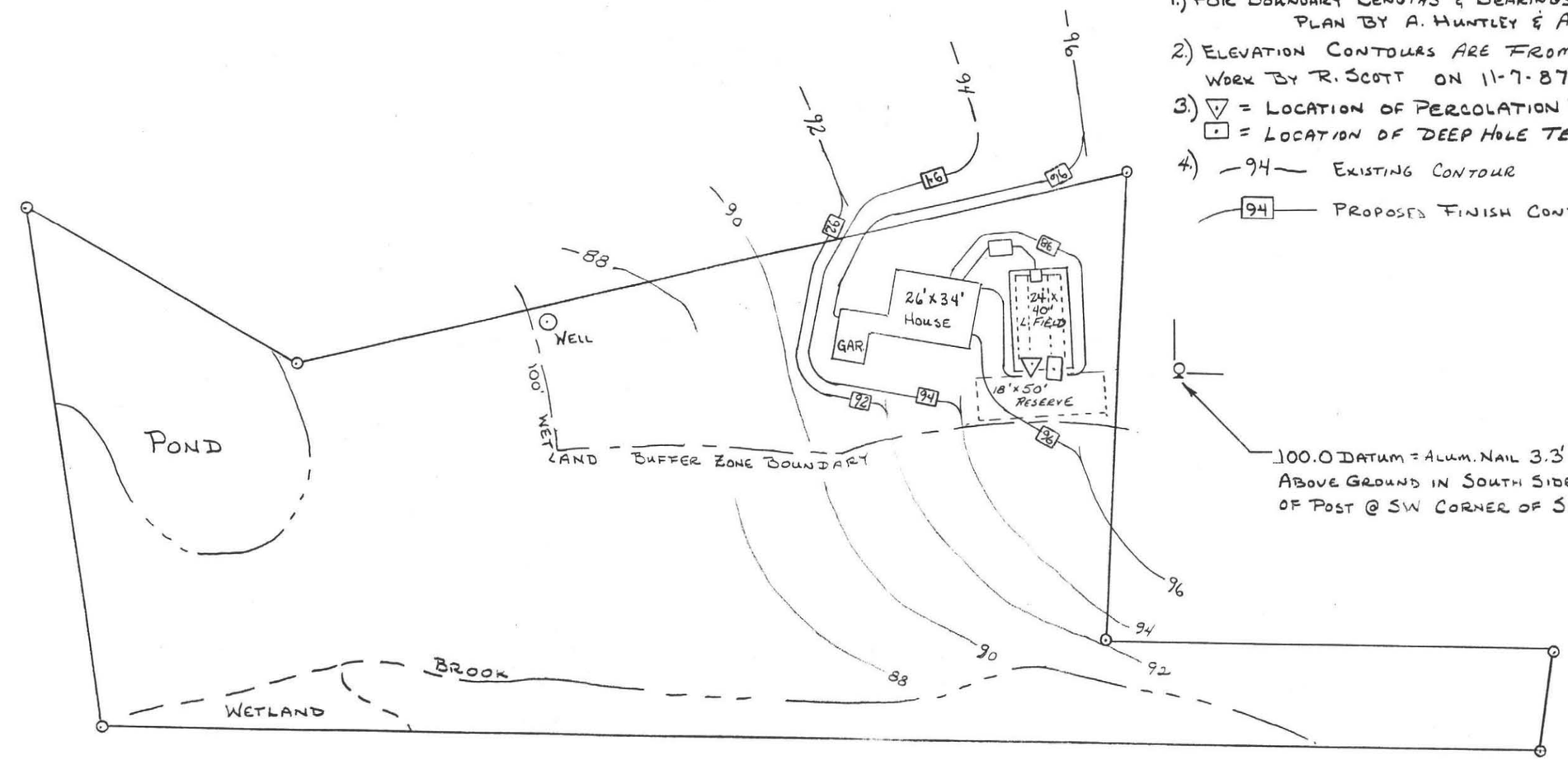
NOTES

1.) FOR BOUNDARY LENGTHS & BEARINGS SEE PLAN BY A. HUNTLEY & ASSOC.

2.) ELEVATION CONTOURS ARE FROM FIELD WORK BY R. SCOTT ON 11-7-87

3.) ▽ = LOCATION OF PERCOLATION TEST
⊡ = LOCATION OF DEEP HOLE TEST

4.) —94— EXISTING CONTOUR
—[94]— PROPOSED FINISH CONTOUR



100.0 DATUM = ALUM. NAIL 3.3' ABOVE GROUND IN SOUTH SIDE OF POST @ SW CORNER OF SHED.

N

FEB 04 1988

COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

Richard M. Scott 1-8-88

SEPTIC SYSTEM LAYOUT – LOT #5 260 LEVERETT ROAD, AMHERST, MA.		
SCALE: 1" = 50'	APPROVED BY:	DRAWN BY RMS
DATE: 11-18-87		REVISED
EXISTING & PROPOSED FEATURES		
FOR: LEIGH ANDREWS BY: RICHARD SCOTT, P.E.		DRAWING NUMBER

11 X 17 PRINTED ON NO. 1000H CLEARPRINT

No..... Fee.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

Application is hereby made for a Permit to Construct (✓) or Repair ( ) an Individual Sewage Disposal System at:

260 LEVERETT ROAD — Location - Address
LOT #5 — or Lot No.

LEIGH ANDREWS — Owner
260 LEVERETT RD. — Address

STONEY'S EXCAVATING — Installer
MONTAGUE, MA. — Address

Type of Building
Size Lot 84,000 Sq. feet
Dwelling ✓ No. of Bedrooms 4 Expansion Attic (no) Garbage Grinder (No)
Other — Type of Building ..... No. of persons ..... Showers ( ) — Cafeteria ( )
Other fixtures .....

Design Flow 110 gallons per ~~person~~ BEDROOM per day. Total daily flow 440 gallons.
Septic Tank ✓ Liquid capacity 1000 gallons Length 8' Width 5' Diameter ..... Depth 4'
Disposal ~~Trench~~ FIELD — No. 1 Width 24' Total Length 40' Total leaching area 960 sq. ft.
Seepage Pit No. ..... Diameter ..... Depth below inlet ..... Total leaching area ..... sq. ft.
Other Distribution box (YES) Dosing tank (No)
Percolation Test Results Performed by R. SCOTT, P.E. WITNESS: C. DRAKE, MI BoH Date 12-29-86
Test Pit No. 1 7 minutes per inch Depth of Test Pit 90" Depth to ground water 36"
Test Pit No. 2 ..... minutes per inch Depth of Test Pit ..... Depth to ground water .....

Description of Soil TO 6" TOPSOIL; TO 30" SUBSOIL; TO DEPTH DENSE TILL W/ FINES & 1"-3" COBBLES
(RECORDED ON 12-29-86 AS, "TEST SITE #4")

Nature of Repairs or Alterations — Answer when applicable .....

CHECK OR FILL IN WHERE APPLICABLE

FEB 04 1988

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed ..... Date .....

Application Approved By ..... Date .....

Application Disapproved *for the following reasons:* .....

Date .....

Permit No. ..... Issued ..... Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

..... OF .....

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by ..... Installer

at .....

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. ..... dated .....

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE ..... Inspector .....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. .... OF ..... Fee .....

Disposal Works Construction Permit

Permission is hereby granted .....
to Construct ( ) or Repair ( ) an Individual Sewage Disposal System
at No. ..... Street
as shown on the application for Disposal Works Construction Permit No. ..... Dated .....

..... Board of Health

DATE .....

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

OBSERVATION PITS

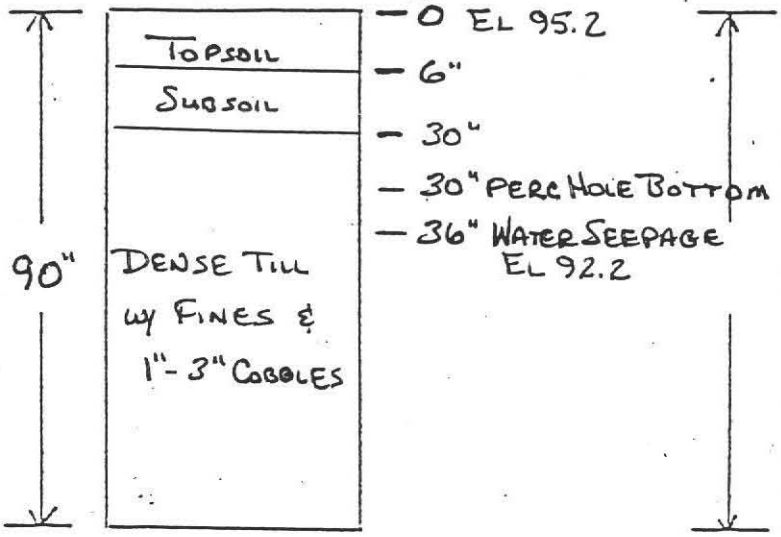
REQUESTED BY: LEIGH ANDREWS

LOCATION: 260 LEVERETT RD. AMHERST
SITE #4 - LOT #5

MAILING ADDRESS: -SAME-

DATE: 12-29-86 OBSERVER: RICHARD SCOTT

WITNESS: C.E. DRAKE AMHERST B.O.H.



Groundwater _____ Groundwater _____

Perc Rate _____ Perc Rate _____

START SOAK @ 12:50

START TEST @ 1:09

10" @ 1:22

9" @ 1:30

3" IN 21 MIN.

< 30 MIN. OKAY

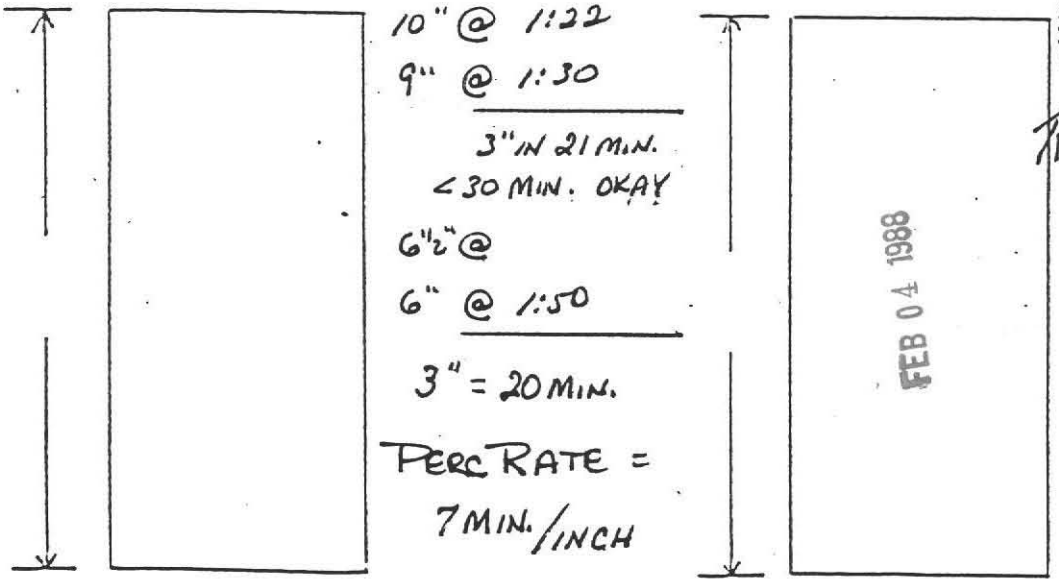
6½" @

6" @ 1:50

3" = 20 MIN.

PERC RATE =

7 MIN./INCH



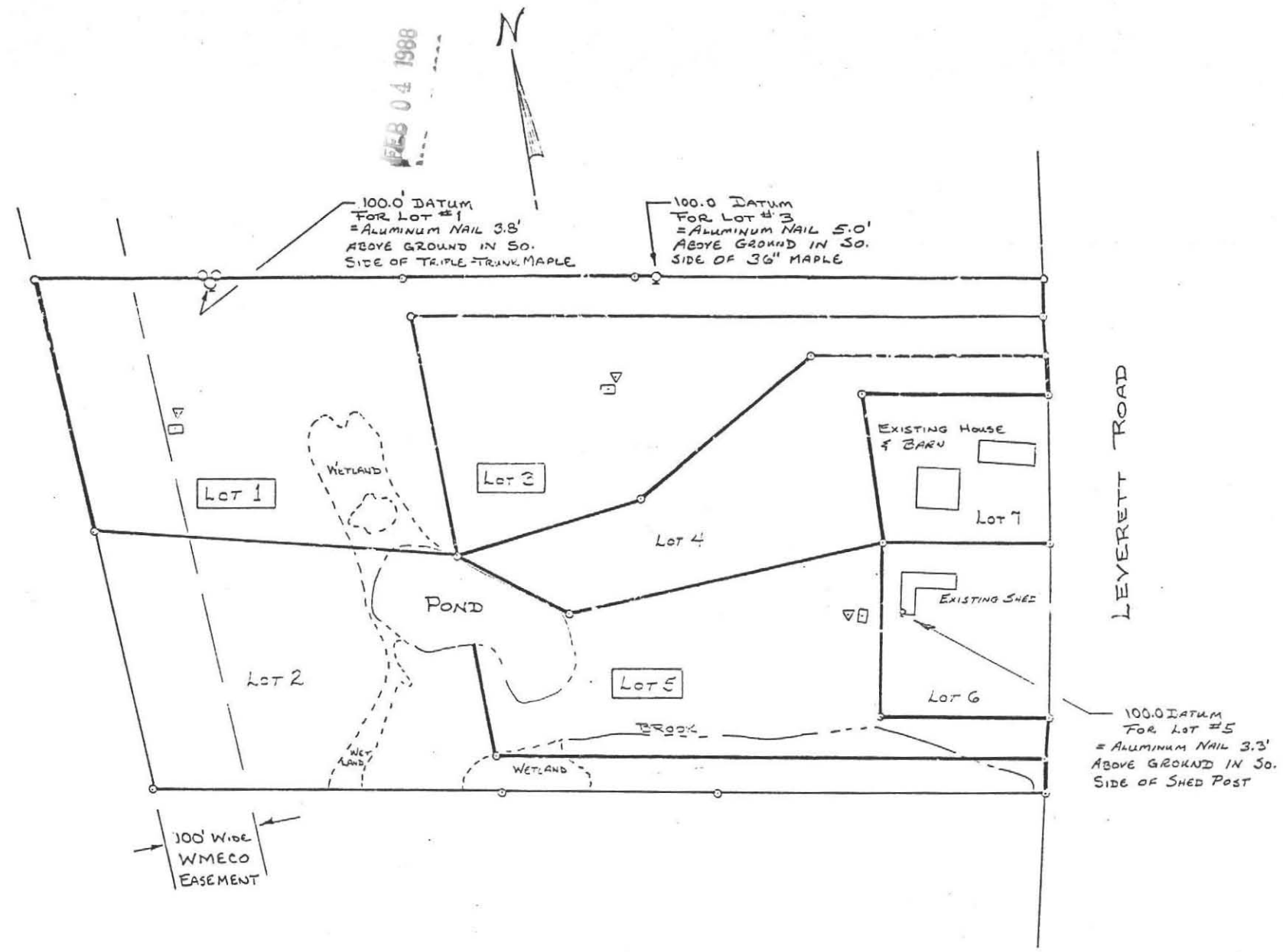
Groundwater _____ Groundwater _____

Perc Rate _____ Perc Rate _____

COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

Richard Scott 1-2-88

FEB 04 1988



FEB 04 1988

NOTES

1.) FOR BOUNDARY LENGTHS & BEARINGS SEE PLAN BY A. HUNTLEY & ASSOC.

2.) CURRENT DESIGN WORK IS FOR LOT NUMBERS 1, 3, & 5 ONLY

3.) ▽ = LOCATION OF PERCOLATION TEST
⊡ = LOCATION OF DEEP HOLE TEST

SEPTIC SYSTEM LAYOUTS
260 LEVERETT ROAD, AMHERST MA.

SCALE: 1" = 100'	APPROVED BY:	DRAWN BY PMS
DATE: 11-13-87		REVISED

PROPOSED LOT BOUNDARIES
LOTS #1, #3 & #5

FOR: LEIGH ANDREWS
BY: RICHARD SCOTT, P.E.

DRAWING NUMBER

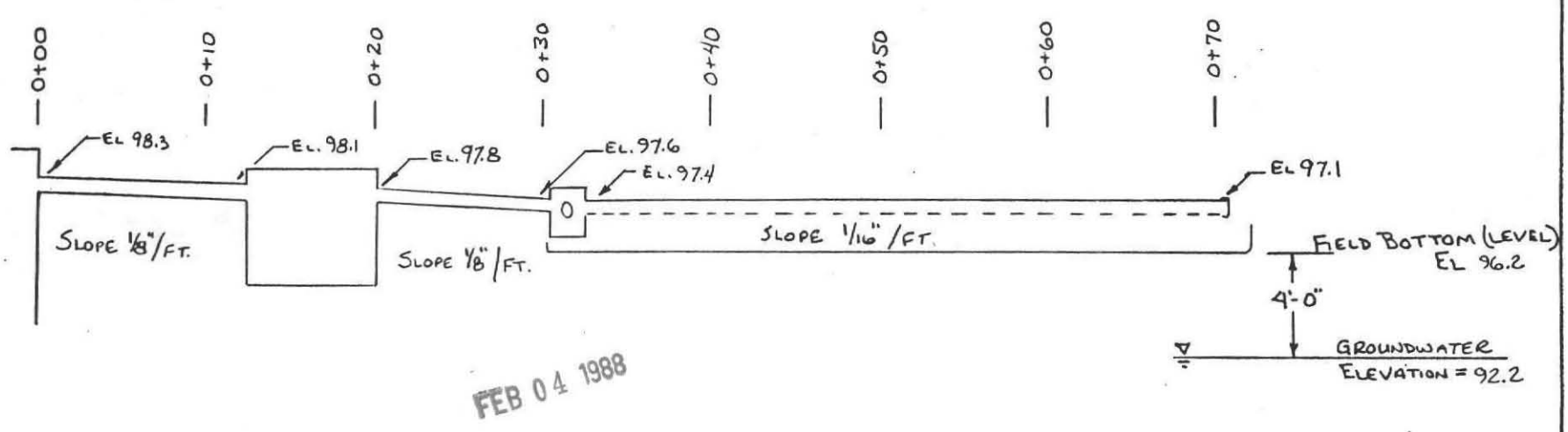
17 X 22 PRINTED ON NO. 1000H CLEARPRINT

SYSTEM DESIGN CALCULATIONS

4 BEDROOM X 110 GAL PER BEDROOM PER DAY = 440 G.P.D. DESIGN FLOW

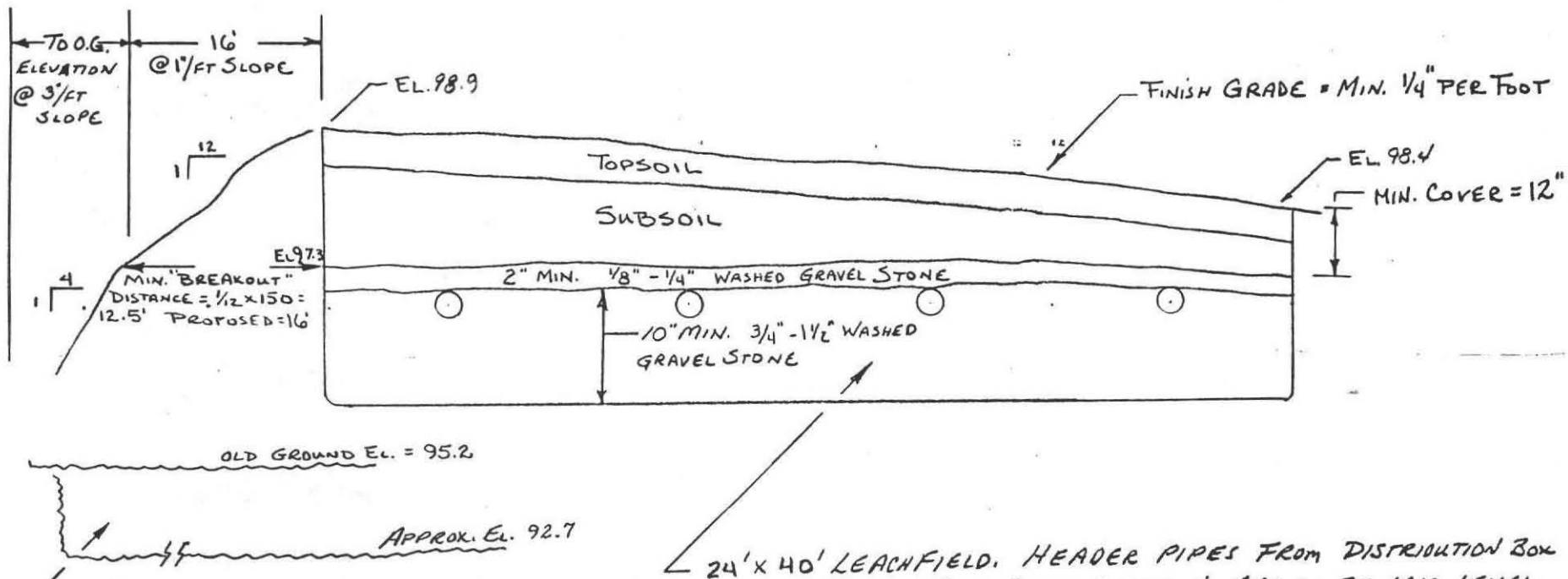
MINIMUM EFFECTIVE SEPTIC TANK VOLUME = 1.5 X 440 = 660 GALLONS
SPECIFIED EFFECTIVE TANK VOLUME = 1000 GALLONS
PERCOLATION RATE = 8 MINUTES PER INCH → DESIGN LOADING =
= 1.6 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.
MINIMUM LEACH FIELD BOTTOM AREA = 440 X 1.6 = 704 SQ. FT. X 1.25 "AMHERST FACTOR" = 880 FT²
LEACH FIELD SPECIFIED FOR THIS SITE = 24' X 40' = 960 SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.Q.E. STATE ENVIRONMENTAL CODE TITLE 5 AND TOWN OF AMHERST SUPPLEMENTAL REGULATIONS



FEB 04 1988

SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW
SCALE: HORIZ: 1" = 10' VERT: N.T.S.



EXCAVATE ALL TOP & SUBSOIL IN AN AREA 25' BEYOND FIELD BOUNDARIES IN ALL DIRECTIONS. FILL & MACHINE-COMPACT BANK-RUN GRAVEL TO EL. 96.2 CONSTRUCT FIELD. MAX. FIN. EL. OVER TOP OF FIELD = 98.9 BEYOND LIMITS OF FINISHED FIELD, GRADE @ 1" PER FOOT X 16' THEN 3" PER FOOT TO RETURN TO OLD GROUND ELEVATION.

24' X 40' LEACHFIELD. HEADER PIPES FROM DISTRIBUTION BOX TO BE 4" PVC NON-PERFORATED & ARE TO BE LAID LEVEL. 160 LIN. FT. OF 4" PERFORATED PVC DISTRIBUTION PIPE TO BE LAID AT MIN. .005' PER FT. ALL PIPE ENDS TO BE CAPPED.

LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW
SCALE: HORIZ: 1" = 4' VERT: N.T.S.

COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

Richard Scott 1-8-88

PROPOSED SEPTIC SYSTEM DESIGN
260 LEVERETT RD., AMHERST LOT #5
FOR: LEIGH ANDREWS
PREPARED BY: RICHARD SCOTT, P.E.
SCALE: AS SHOWN DATE: 1-8-88

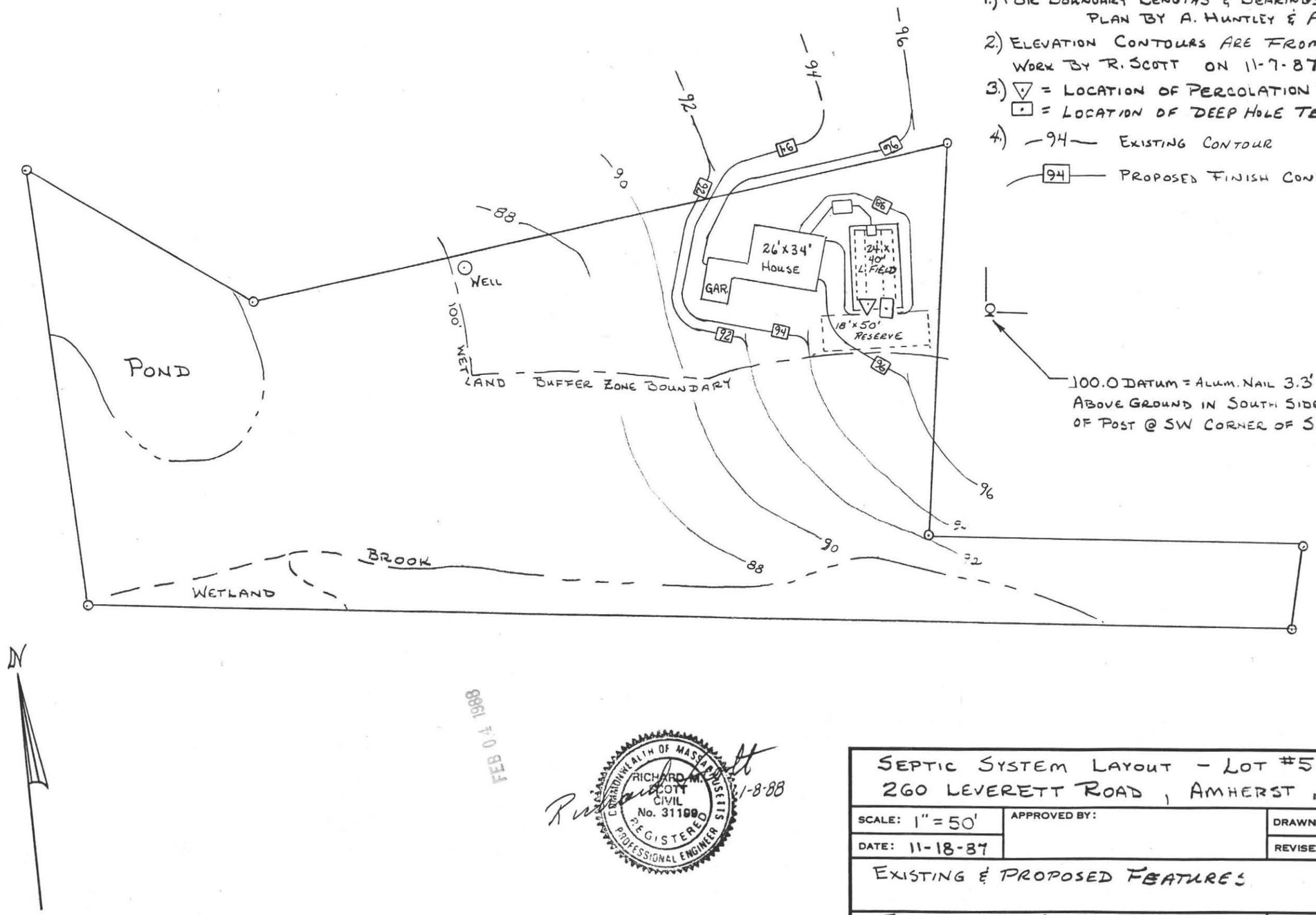
NOTES

1.) FOR BOUNDARY LENGTHS & BEARINGS SEE PLAN BY A. HUNTLEY & ASSOC.

2.) ELEVATION CONTOURS ARE FROM FIELD WORK BY R. SCOTT ON 11-7-87

3.) ▽ = LOCATION OF PERCOLATION TEST
▫ = LOCATION OF DEEP HOLE TEST

4.) —94— EXISTING CONTOUR
—94— PROPOSED FINISH CONTOUR



100.0 DATUM = ALUM. NAIL 3.3' ABOVE GROUND IN SOUTH SIDE OF POST @ SW CORNER OF SHED.

FEB 04 1988

COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

Richard M. Scott 1-8-88

SEPTIC SYSTEM LAYOUT - LOT #5 260 LEVERETT ROAD, AMHERST, MA.		
SCALE: 1" = 50'	APPROVED BY:	DRAWN BY RMS
DATE: 11-18-87		REVISED
EXISTING & PROPOSED FEATURES		
FOR: LEIGH ANDREWS BY: RICHARD SCOTT, P.E.		DRAWING NUMBER

11 X 17 PRINTED ON NO. 1000H CLEARPRINT

No..... Fee.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

Application is hereby made for a Permit to Construct (✓) or Repair ( ) an Individual Sewage Disposal System at:

260 LEVERETT ROAD — Location - Address
LOT #5 — or Lot No.
LEIGH ANDREWS — Owner
260 LEVERETT RD. — Address
STONEY'S EXCAVATING — Installer
MONTAGUE, MA. — Address

Type of Building — Size Lot 84,000 Sq. feet

Dwelling ✓ No. of Bedrooms 4 Expansion Attic (No) Garbage Grinder (No)

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

Other fixtures .....

Design Flow 110 gallons per ~~person~~ BEDROOM per day. Total daily flow 440 gallons.

Septic Tank ✓ Liquid capacity 1000 gallons Length 8' Width 5' Diameter ..... Depth 5'

Disposal ~~Trench~~ FIELD — No. 1 Width 24' Total Length 40' Total leaching area 960 sq. ft.

Seepage Pit No. ..... Diameter ..... Depth below inlet ..... Total leaching area ..... sq. ft.

Other Distribution box (Yes) Dosing tank (No)

Percolation Test Results Performed by R. Scott, P.E. Witness: C. Drake, MI Reg. Date 12-29-86

Test Pit No. 1 7 minutes per inch Depth of Test Pit 90" Depth to ground water 36"

Test Pit No. 2 ..... minutes per inch Depth of Test Pit ..... Depth to ground water .....

Description of Soil TO 6" TOPSOIL; TO 30" SUBSOIL; TO DEPTH DENSE TILL W/ FINES & 1"-3" COBBLES

(RECORDED ON 12-29-86 AS "TEST SITE #4")

Nature of Repairs or Alterations — Answer when applicable .....

CHECK OR FILL IN WHERE APPLICABLE

FEB 04 1988

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed ..... Date .....

Application Approved By ..... Date .....

Application Disapproved *for the following reasons:* .....

Date .....

Permit No. ..... Issued ..... Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

..... OF .....

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by ..... Installer

at .....

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. ..... dated .....

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE ..... Inspector .....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. .... OF ..... Fee .....

Disposal Works Construction Permit

Permission is hereby granted .....

to Construct ( ) or Repair ( ) an Individual Sewage Disposal System

at No. ..... Street

as shown on the application for Disposal Works Construction Permit No. ..... Dated .....

..... Board of Health

DATE .....

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

OBSERVATION PITS

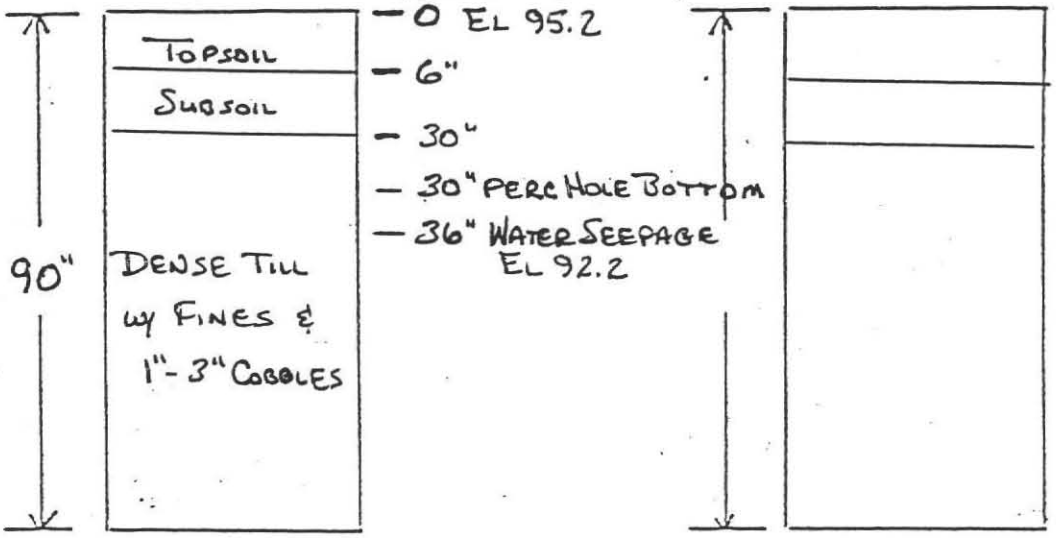
REQUESTED BY: LEIGH ANDREWS

LOCATION: 260 LEVERETT RD. AMHERST
SITE #4 - LOT #5

MAILING ADDRESS: -SAME-

DATE: 12-29-86 OBSERVER: RICHARD SCOTT

WITNESS: C.E. DRAKE AMHERST B.O.H.

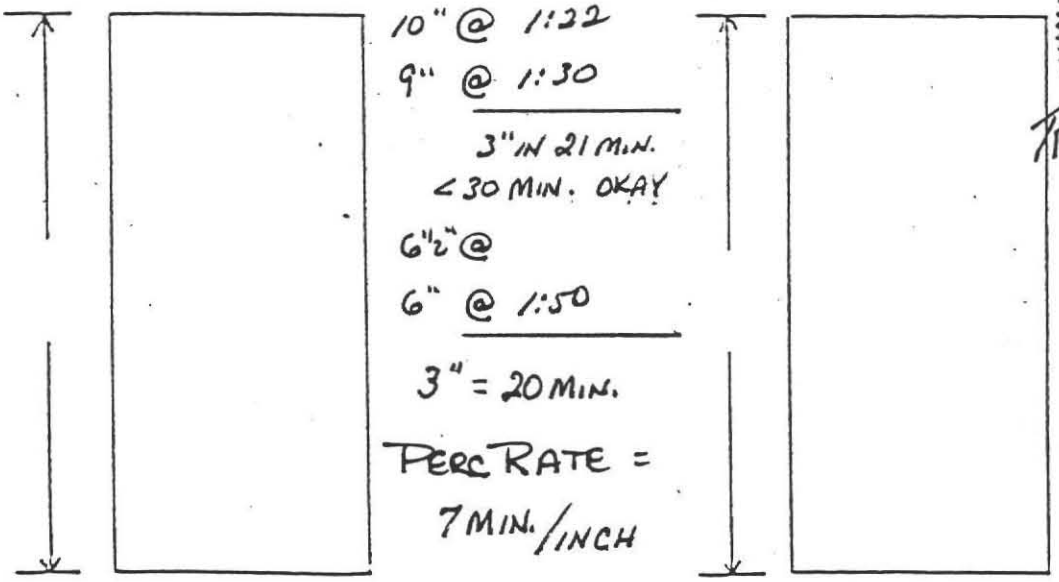


Groundwater _____ Groundwater _____

Perc Rate _____ Perc Rate _____

START SOAK @ 12:50

START TEST @ 1:09



10" @ 1:22

9" @ 1:30

3" IN 21 MIN.
< 30 MIN. OKAY

6½" @

6" @ 1:50

3" = 20 MIN.

PERC RATE =
7 MIN./INCH

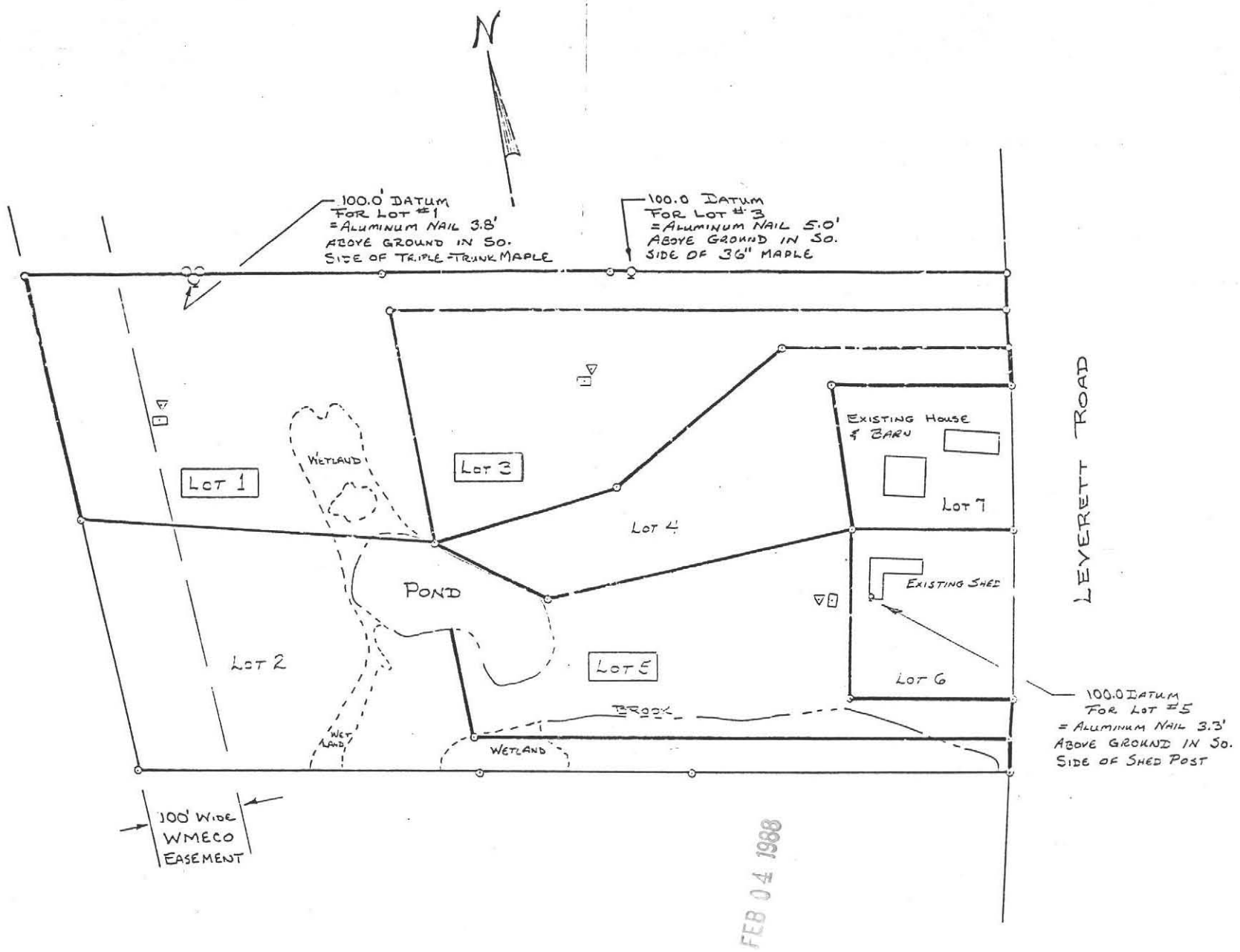
Groundwater _____ Groundwater _____

Perc Rate _____ Perc Rate _____

COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

Richard Scott 1-2-88

FEB 04 1988



FEB 04 1988

NOTES

1.) FOR BOUNDARY LENGTHS & BEARINGS SEE PLAN BY A. HUNTLEY & ASSOC.

2) CURRENT DESIGN WORK IS FOR LOT NUMBERS 1, 3, & 5 ONLY

3.) ▽ = LOCATION OF PERCOLATION TEST
⊡ = LOCATION OF DEEP HOLE TEST

SEPTIC SYSTEM LAYOUTS 260 LEVERETT ROAD, AMHERST MA.		
SCALE: 1" = 100'	APPROVED BY:	DRAWN BY RMS
DATE: 11-13-87		REVISED
PROPOSED LOT BOUNDARIES LOTS #1, #3 & #5		
FOR: LEIGH ANDREWS BY: RICHARD SCOTT, P.E.		DRAWING NUMBER

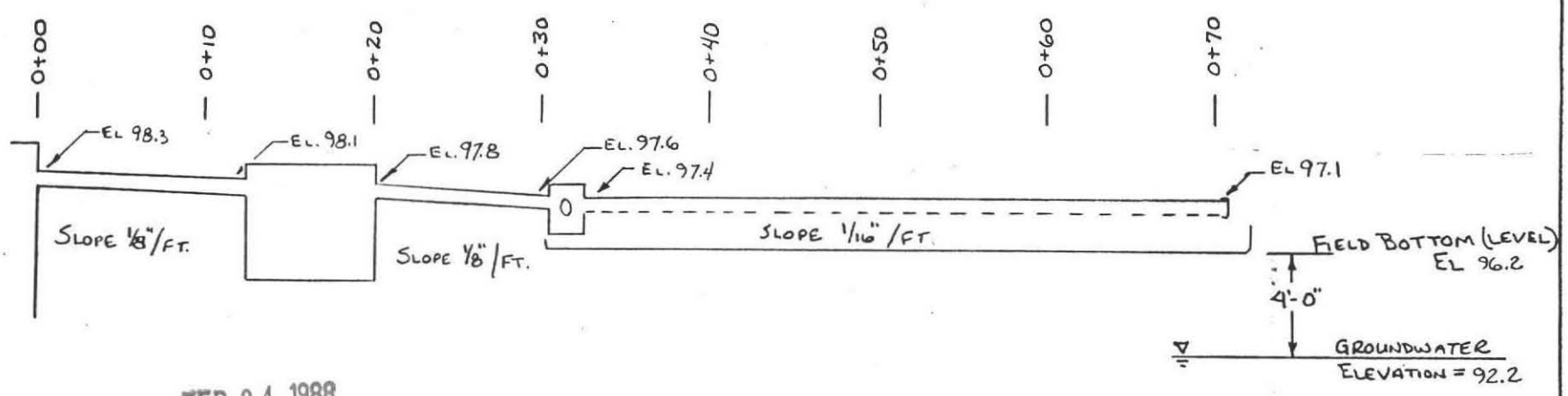
17 X 22 PRINTED ON NO. 1000H CLEARPRINT ®

SYSTEM DESIGN CALCULATIONS

4 BEDROOM X 110 GAL PER BEDROOM PER DAY = 440 G.P.D. DESIGN FLOW

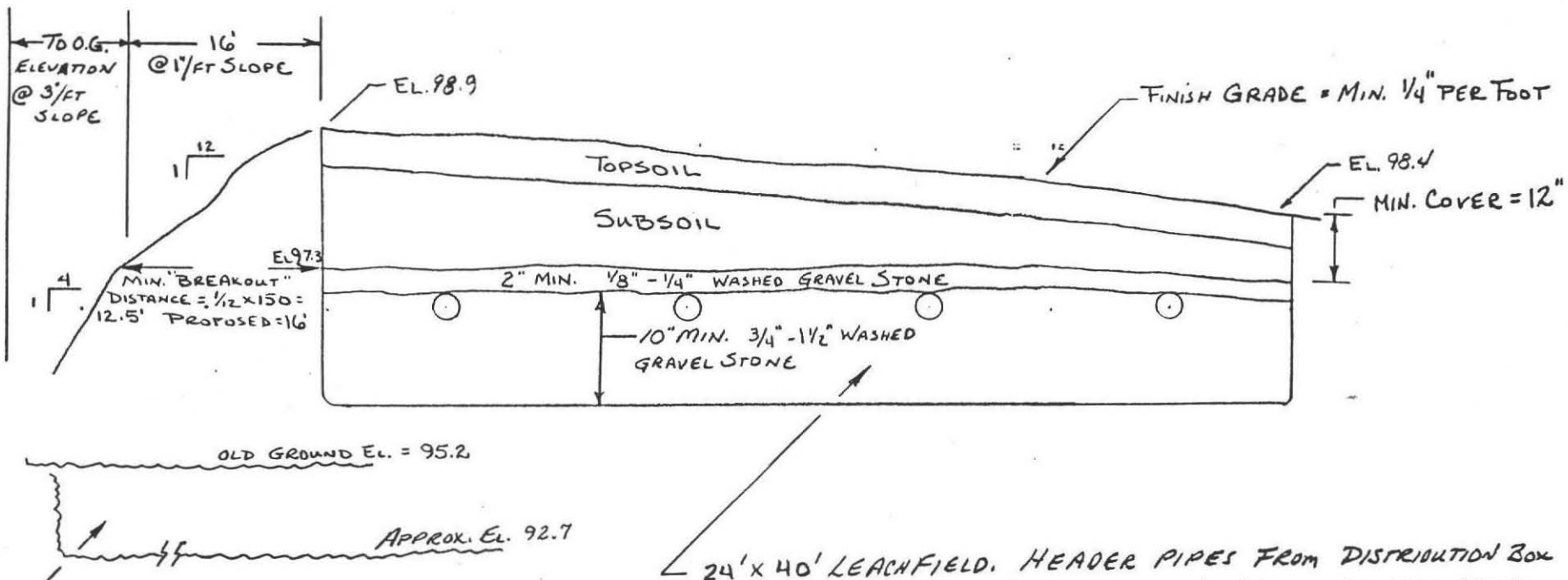
MINIMUM EFFECTIVE SEPTIC TANK VOLUME = 1.5 X 440 = 660 GALLONS
SPECIFIED EFFECTIVE TANK VOLUME = 1000 GALLONS
PERCOLATION RATE = 8 MINUTES PER INCH → DESIGN LOADING =
= 1.6 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.
MINIMUM LEACH FIELD BOTTOM AREA = 440 X 1.6 = 704 SQ. FT. X 1.25 "AMHERST FACTOR" = 880 FT²
LEACH FIELD SPECIFIED FOR THIS SITE = 24' X 40' = 960 SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.Q.E. STATE ENVIORONMENTAL CODE TITLE 5 AND TOWN OF AMHERST SUPPLEMENTAL REGULATIONS



FEB 04 1988

SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW
SCALE: HORIZ: 1" = 10' VERT: N.T.S.



EXCAVATE ALL TOP & SUBSOIL IN AN AREA 25' BEYOND FIELD BOUNDARIES IN ALL DIRECTIONS. FILL & MACHINE-COMPACT BANK-RUN GRAVEL TO EL. 96.2 CONSTRUCT FIELD. MAX. FIN. EL. OVER TOP OF FIELD = 98.9 BEYOND LIMITS OF FINISHED FIELD, GRADE @ 1" PER FOOT X 16' THEN 3" PER FOOT TO RETURN TO OLD GROUND ELEVATION.

24' X 40' LEACHFIELD. HEADER PIPES FROM DISTRIBUTION BOX TO BE 4" PVC NON-PERFORATED & ARE TO BE LAID LEVEL. 160 LIN. FT. OF 4" PERFORATED PVC DISTRIBUTION PIPE TO BE LAID AT MIN. .005' PER FT. ALL PIPE ENDS TO BE CAPPED.

LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW
SCALE: HORIZ: 1" = 4' VERT: N.T.S.

COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

Richard Scott 1-8-88

PROPOSED SEPTIC SYSTEM DESIGN
260 LEVERETT RD., AMHERST LOT #5
FOR: LEIGH ANDREWS
PREPARED BY: RICHARD SCOTT, P.E.
SCALE: AS SHOWN DATE: 1-8-88

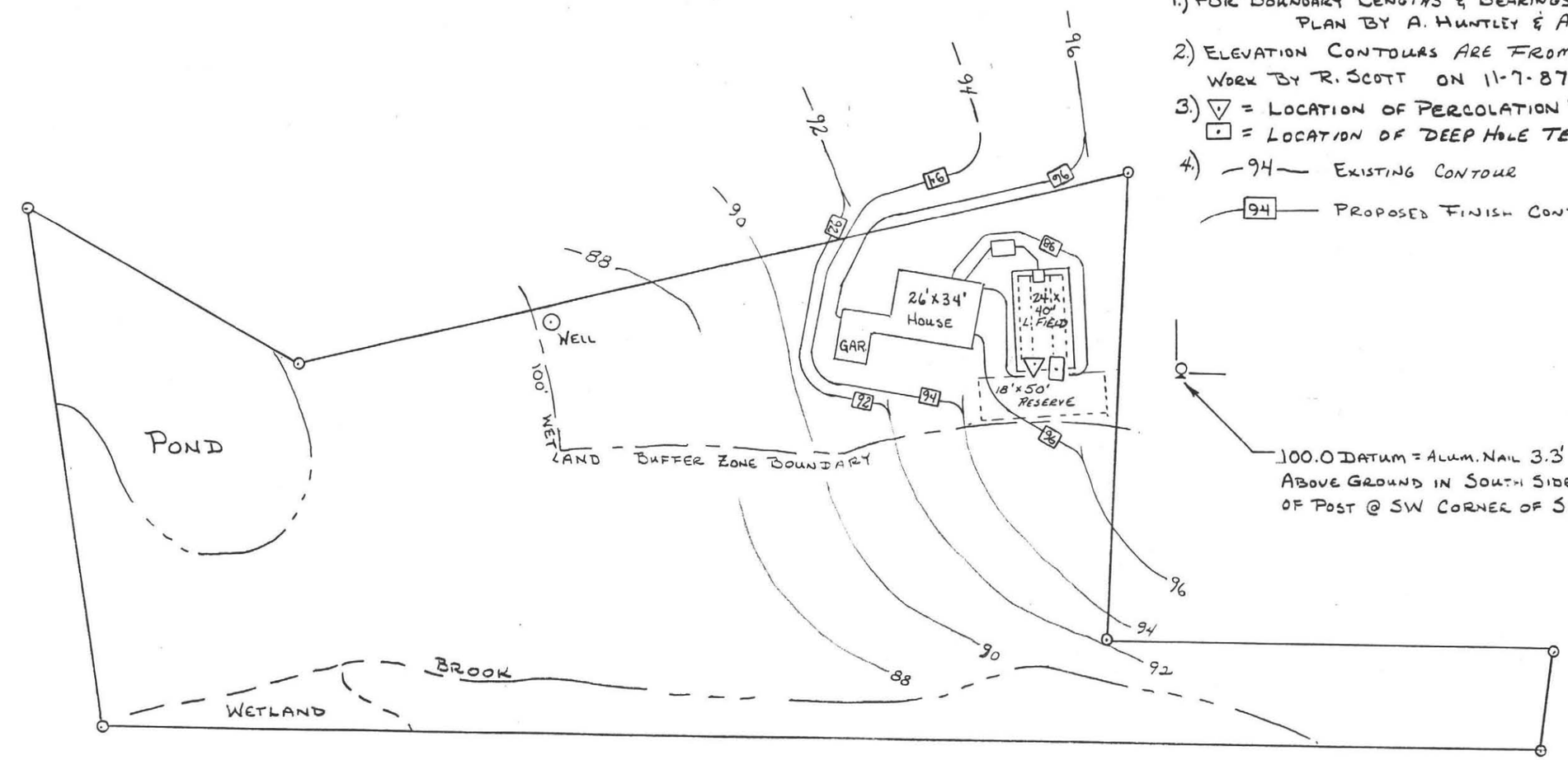
NOTES

1.) FOR BOUNDARY LENGTHS & BEARINGS SEE PLAN BY A. HUNTLEY & ASSOC.

2.) ELEVATION CONTOURS ARE FROM FIELD WORK BY R. SCOTT ON 11-7-87

3.) ▽ = LOCATION OF PERCOLATION TEST
▫ = LOCATION OF DEEP HOLE TEST

4.) —94— EXISTING CONTOUR
—94— PROPOSED FINISH CONTOUR



N

FEB 04 1988

COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

Richard M. Scott 1-8-88

SEPTIC SYSTEM LAYOUT - LOT #5 260 LEVERETT ROAD, AMHERST, MA.		
SCALE: 1" = 50'	APPROVED BY:	DRAWN BY RMS
DATE: 11-18-87		REVISED
EXISTING & PROPOSED FEATURES		
FOR: LEIGH ANDREWS BY: RICHARD SCOTT, P.E.		DRAWING NUMBER

11 X 17 PRINTED ON NO. 1000H CLEARPRINT

No..... Fee.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

Application is hereby made for a Permit to Construct (✓) or Repair ( ) an Individual Sewage Disposal System at:

260 LEVERETT ROAD — Location - Address
LOT #5 — or Lot No.
LEIGH ANDREWS — Owner
260 LEVERETT RD. — Address
STONEY'S EXCAVATING — Installer
MONTAGUE, MA. — Address

Type of Building — Size Lot 84,000 Sq. feet
Dwelling ✓ No. of Bedrooms 4 Expansion Attic (No) Garbage Grinder (No)
Other — Type of Building ..... No. of persons..... Showers ( ) — Cafeteria ( )
Other fixtures .....

Design Flow 110 gallons per ~~person~~ BEDROOM per day. Total daily flow 440 gallons.
Septic Tank ✓ Liquid capacity 1000 gallons Length 8' Width 5' Diameter..... Depth 4'
Disposal ~~Trench~~ FIELD — No. 1 Width 24' Total Length 40' Total leaching area 960 sq. ft.
Seepage Pit No..... Diameter..... Depth below inlet..... Total leaching area..... sq. ft.
Other Distribution box (YES) Dosing tank (No)
Percolation Test Results Performed by R. Scott, P.E. WITNESS: C. DRAKE, MI Board Date 12-29-86
Test Pit No. 1 7 minutes per inch Depth of Test Pit 90" Depth to ground water 36"
Test Pit No. 2 ..... minutes per inch Depth of Test Pit..... Depth to ground water.....

Description of Soil TO 6" TOPSOIL; TO 30" SUBSOIL; TO DEPTH DENSE TILL W/ FINES & 1"-3" COBBLES
(RECORDED ON 12-29-86 AS, "TEST SITE #4")

Nature of Repairs or Alterations — Answer when applicable.....

CHECK OR FILL IN WHERE APPLICABLE

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed..... Date.....

Application Approved By..... Date.....

Application Disapproved *for the following reasons:*.....

..... Date.....

Permit No..... Issued..... Date

FEB 04 1988

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

..... OF.....

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by..... Installer

at.....

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No..... dated.....

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE..... Inspector.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

..... OF.....

No..... Fee.....

Disposal Works Construction Permit

Permission is hereby granted.....
to Construct ( ) or Repair ( ) an Individual Sewage Disposal System
at No..... Street
as shown on the application for Disposal Works Construction Permit No..... Dated.....

..... Board of Health

DATE.....

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

OBSERVATION PITS

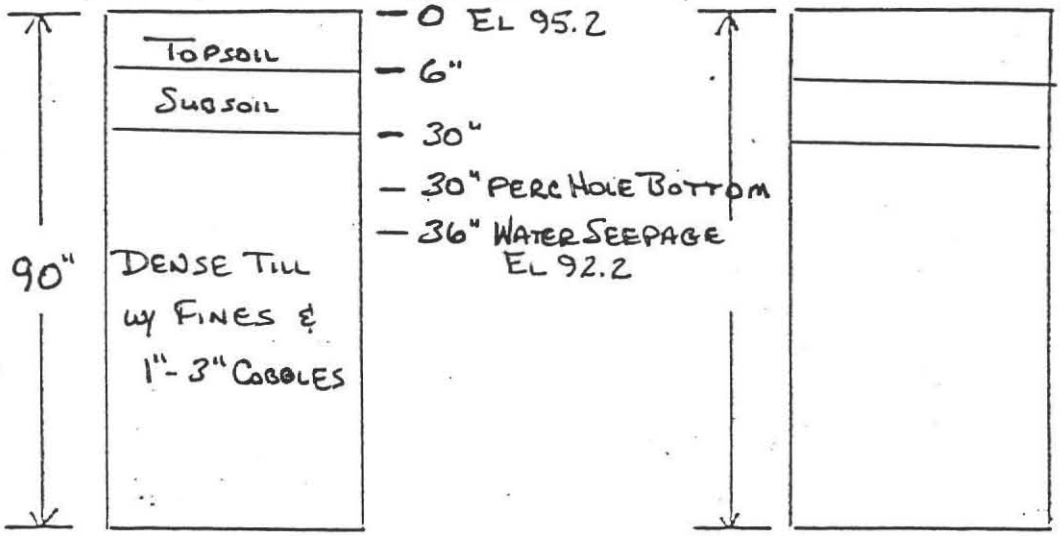
REQUESTED BY: LEIGH ANDREWS

LOCATION: 260 LEVERETT RD. AMHERST
SITE #4 - LOT #5

MAILING ADDRESS: -SAME-

DATE: 12-29-86 OBSERVER: RICHARD SCOTT

WITNESS: C.E. DRAKE AMHERST B.O.H.



Groundwater _____ Groundwater _____

Perc Rate _____ Perc Rate _____

START SOAK @ 12:50

START TEST @ 1:09

10" @ 1:22

9" @ 1:30

3" IN 21 MIN.
< 30 MIN. OKAY

6½" @

6" @ 1:50

3" = 20 MIN.

PERC RATE =
7 MIN./INCH

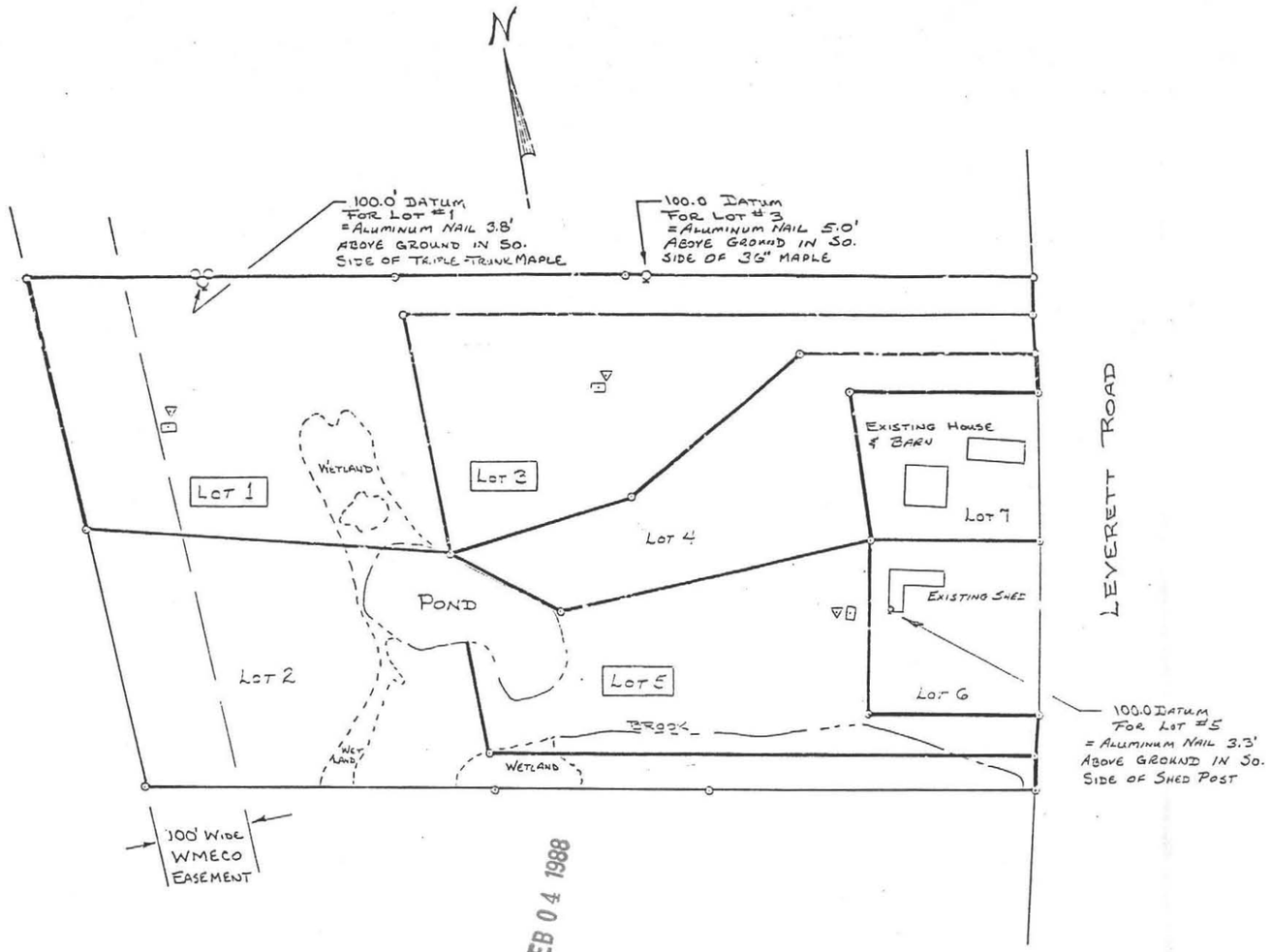
COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

Richard M. Scott 1-2-87

FEB 04 1988

Groundwater _____ Groundwater _____

Perc Rate _____ Perc Rate _____



FEB 04 1988

NOTES

1.) FOR BOUNDARY LENGTHS & BEARINGS SEE PLANS BY A. HUNTLEY & ASSOC.

2) CURRENT DESIGN WORK IS FOR LOT NUMBERS 1, 3, & 5 ONLY

3.) ▽ = LOCATION OF PERCOLATION TEST
⊡ = LOCATION OF DEEP HOLE TEST

SEPTIC SYSTEM LAYOUTS 260 LEVERETT ROAD, AMHERST MA.		
SCALE: 1" = 100'	APPROVED BY:	DRAWN BY PMS
DATE: 11-13-87		REVISED
PROPOSED LOT BOUNDARIES LOTS #1, #3 & #5		
FOR: LEIGH ANDREWS BY: RICHARD SCOTT, P.E.		DRAWING NUMBER

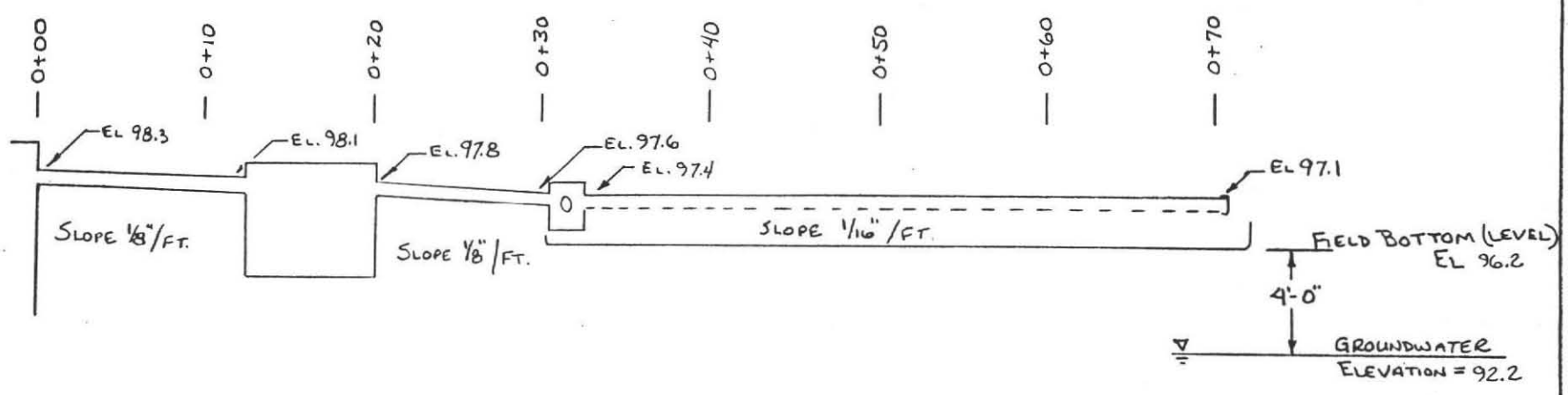
17 X 22 PRINTED ON NO. 1000H CLEARPRINT ®

SYSTEM DESIGN CALCULATIONS

4 BEDROOM X 110 GAL PER BEDROOM PER DAY = 440 G.P.D. DESIGN FLOW

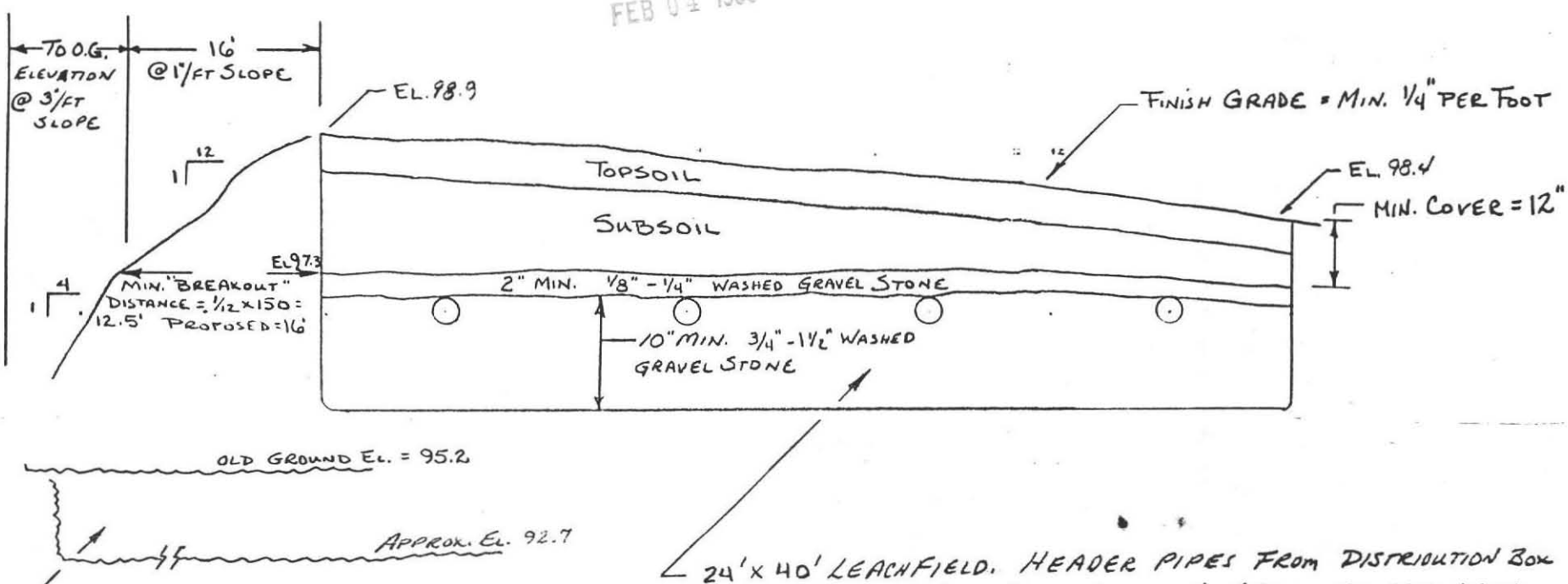
MINIMUM EFFECTIVE SEPTIC TANK VOLUME = 1.5 X 440 = 660 GALLONS
SPECIFIED EFFECTIVE TANK VOLUME = 1000 GALLONS
PERCOLATION RATE = 8 MINUTES PER INCH → DESIGN LOADING =
= 1.6 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.
MINIMUM LEACH FIELD BOTTOM AREA = 440 X 1.6 = 704 SQ. FT. X 1.25 "AMHERST FACTOR" = 880 FT²
LEACH FIELD SPECIFIED FOR THIS SITE = 24' X 40' = 960 SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.Q.E. STATE ENVIORONMENTAL CODE TITLE 5 AND TOWN OF AMHERST SUPPLEMENTAL REGULATIONS



SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW
SCALE: HORIZ: 1" = 10' VERT: N.T.S.

FEB 04 1988



EXCAVATE ALL TOP & SUBSOIL IN AN AREA 25' BEYOND FIELD BOUNDARIES IN ALL DIRECTIONS. FILL & MACHINE-COMPACT BANK-RUN GRAVEL TO EL. 96.2 CONSTRUCT FIELD. MAX. FIN. EL. OVER TOP OF FIELD = 98.9 BEYOND LIMITS OF FINISHED FIELD, GRADE @ 1" PER FOOT X 16' THEN 3" PER FOOT TO RETURN TO OLD GROUND ELEVATION.

24' X 40' LEACHFIELD. HEADER PIPES FROM DISTRIBUTION BOX TO BE 4" PVC NON-PERFORATED & ARE TO BE LAID LEVEL. 160 LIN. FT. OF 4" PERFORATED PVC DISTRIBUTION PIPE TO BE LAID AT MIN. .005' PER FT. ALL PIPE ENDS TO BE CAPPED.

LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW
SCALE: HORIZ: 1" = 4' VERT: N.T.S.

COMMONWEALTH OF MASSACHUSETTS RICHARD M. SCOTT CIVIL No. 31188 REGISTERED PROFESSIONAL ENGINEER

Richard Scott 1-8-88

PROPOSED SEPTIC SYSTEM DESIGN
260 LEVERETT RD., AMHERST LOT #5
FOR: LEIGH ANDREWS
PREPARED BY: RICHARD SCOTT, P.E.
SCALE: AS SHOWN DATE: 1-8-88

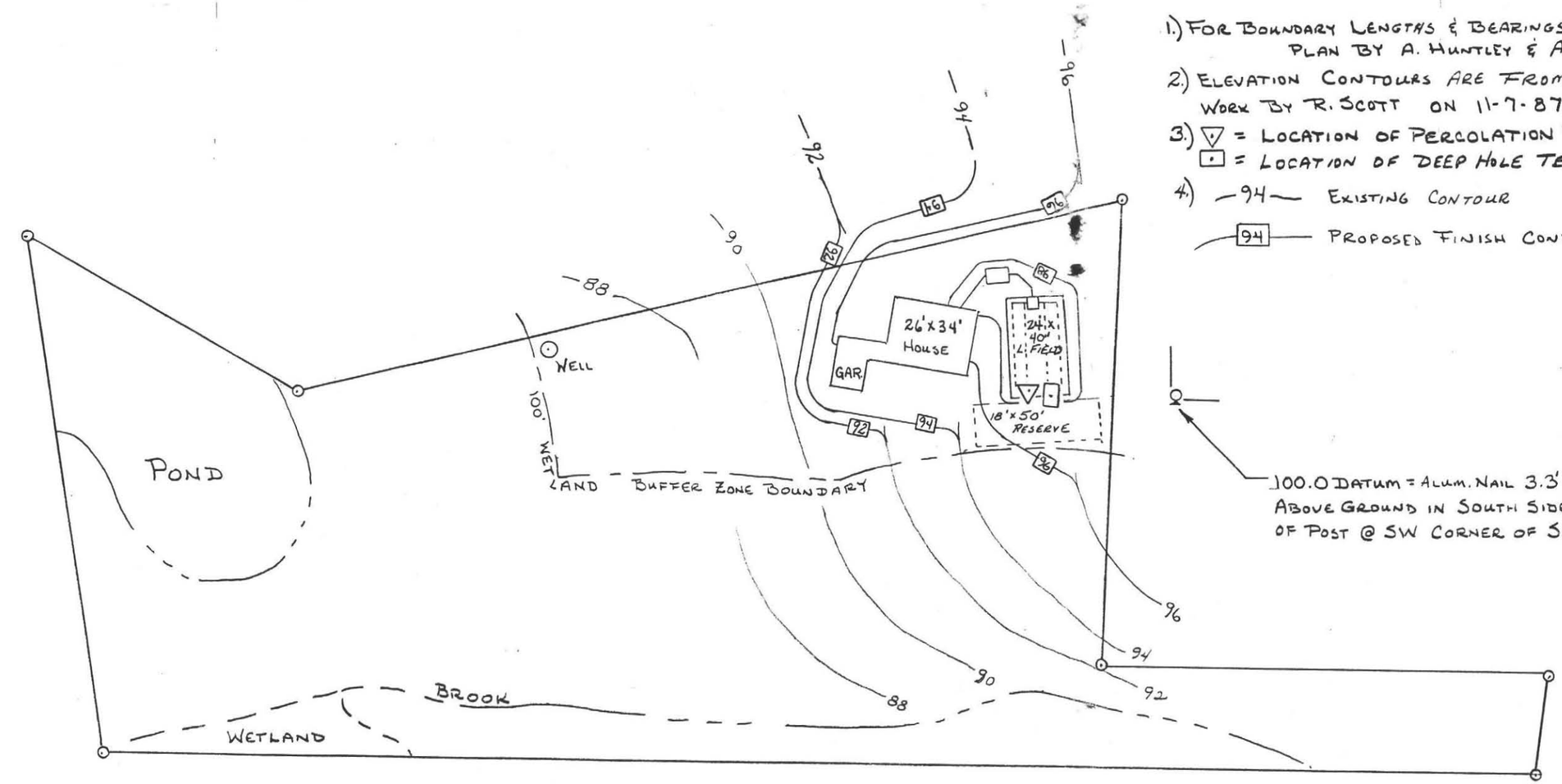
NOTES

1.) FOR BOUNDARY LENGTHS & BEARINGS SEE PLAN BY A. HUNTLEY & ASSOC.

2.) ELEVATION CONTOURS ARE FROM FIELD WORK BY R. SCOTT ON 11-7-87

3.) ▽ = LOCATION OF PERCOLATION TEST
▫ = LOCATION OF DEEP HOLE TEST

4.) —94— EXISTING CONTOUR
—[94]— PROPOSED FINISH CONTOUR



COMMONWEALTH OF MASSACHUSETTS
RICHARD M. SCOTT
CIVIL
No. 31199
REGISTERED PROFESSIONAL ENGINEER

11-8-88

SEPTIC SYSTEM LAYOUT – LOT #5 260 LEVERETT ROAD, AMHERST, MA.		
SCALE: 1" = 50'	APPROVED BY:	DRAWN BY RMS
DATE: 11-18-87		REVISED
EXISTING & PROPOSED FEATURES		
FOR: LEIGH ANDREWS BY: RICHARD SCOTT, P.E.		DRAWING NUMBER

11 X 17 PRINTED ON NO. 1000H CLEARPRINT