

53 IDUNA Lane

PERC TEST DATA SHEET

DATE 4/14/94 LOCATION IDUNA HANE Lot 10 LOT SIZE _____

OWNER NATHANIEL DABNEY Reed ADDRESS 1 IDUNA HANE TELE # 253-7870

P.E./RS William Sierota FIRM Sierota OBSERVED BY David Zarvas

BACK HOE OPERATOR Bill Sierota TELE 532-8525 BENCH MARK _____

PERC DEPTH 72" PRE SOAK TIME 9:35 PERC DEPTH 65" PRE SOAK TIME 9:21

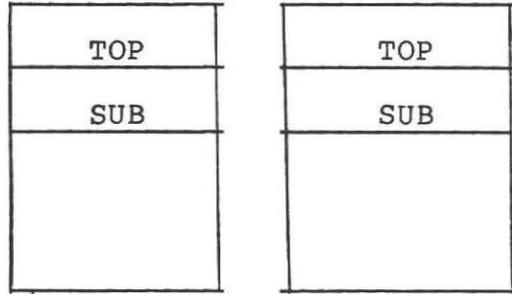
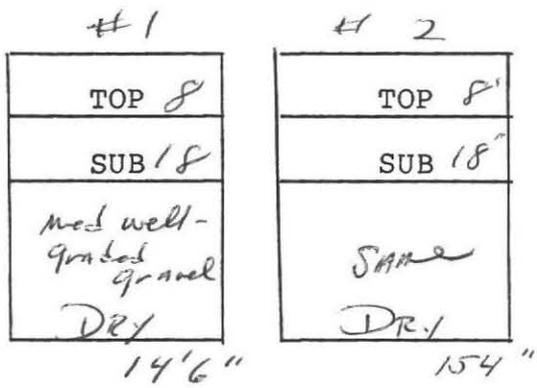
TEST 9:47 12" _____ 9:28 12" _____

9:48 9" _____ 9:29 11" _____

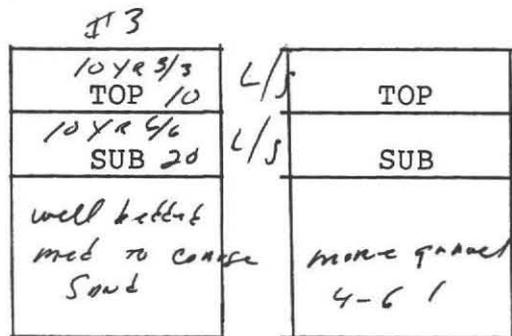
9:49 6" _____ 9:30 6" _____

used garden hose - CANT HOLD WATER

RATE (2) RATE (2)

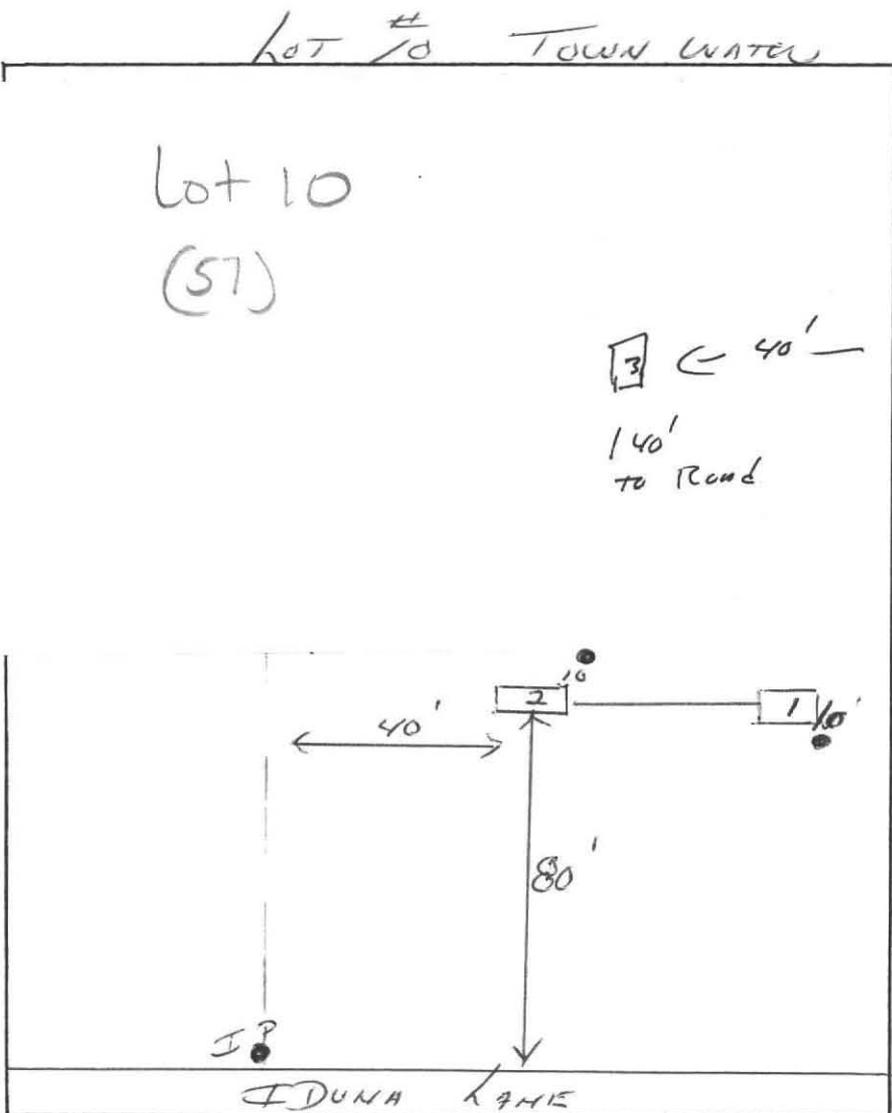


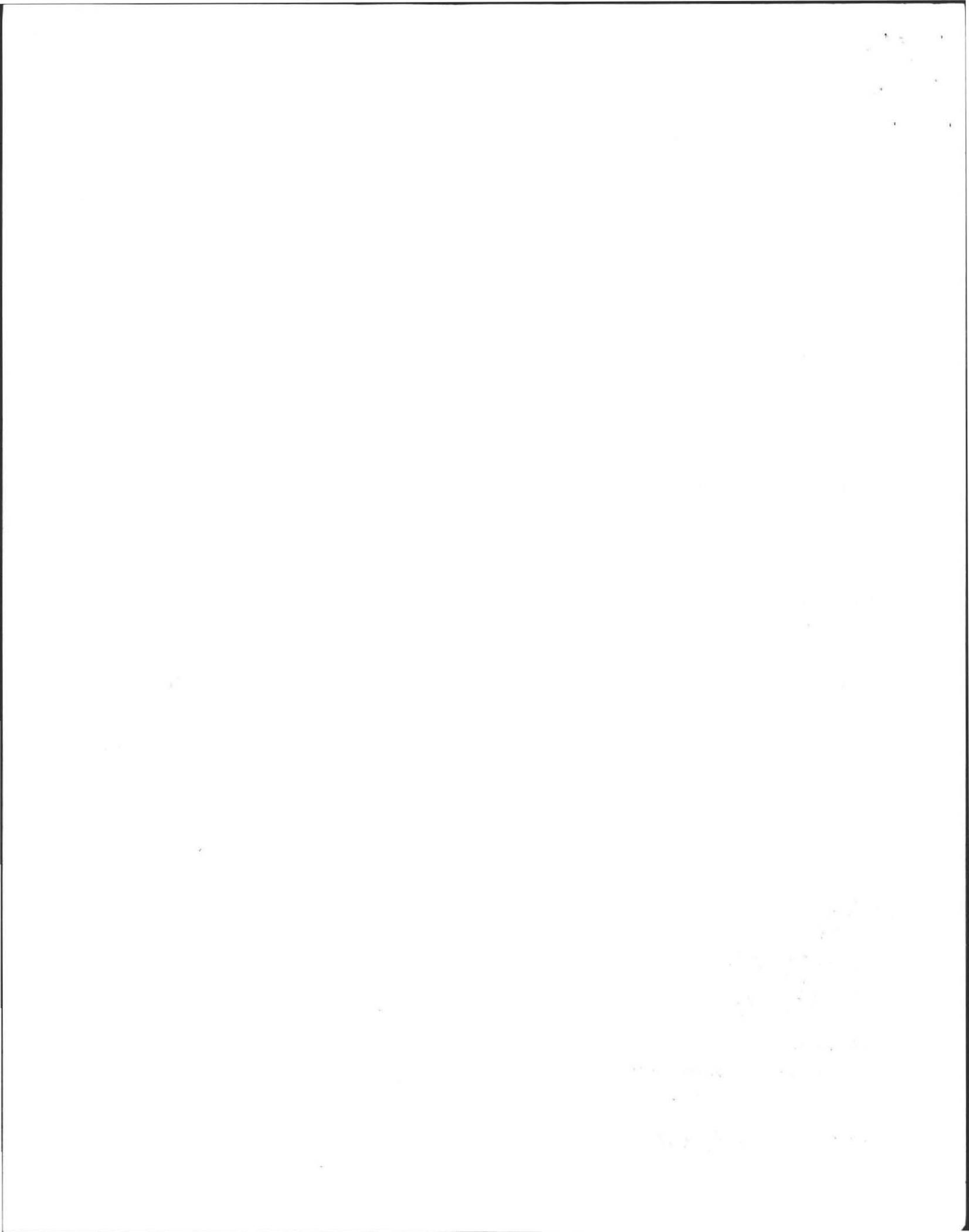
9/10/96



Dry 12' 10/4/94

EHI:PERCFORM





FORM 12 - PERCOLATION TEST

Location Address or Lot No. LOT 57 (10) IDUNA LANE

COMMONWEALTH OF MASSACHUSETTS

, Massachusetts

| Percolation Test* | | |
|--|---------------|---------------|
| Date: <u>(see Percs 4/14/94)</u> Time: _____ | | |
| Observation Hole # | | |
| Depth of Perc | | |
| Start Pre-soak | | |
| End Pre-soak | | |
| Time at 12" | | |
| Time at 9" | | |
| Time at 6" | | |
| Time (9"-6") | | |
| Rate Min./Inch | <u>< 2</u> | <u>< 2</u> |

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

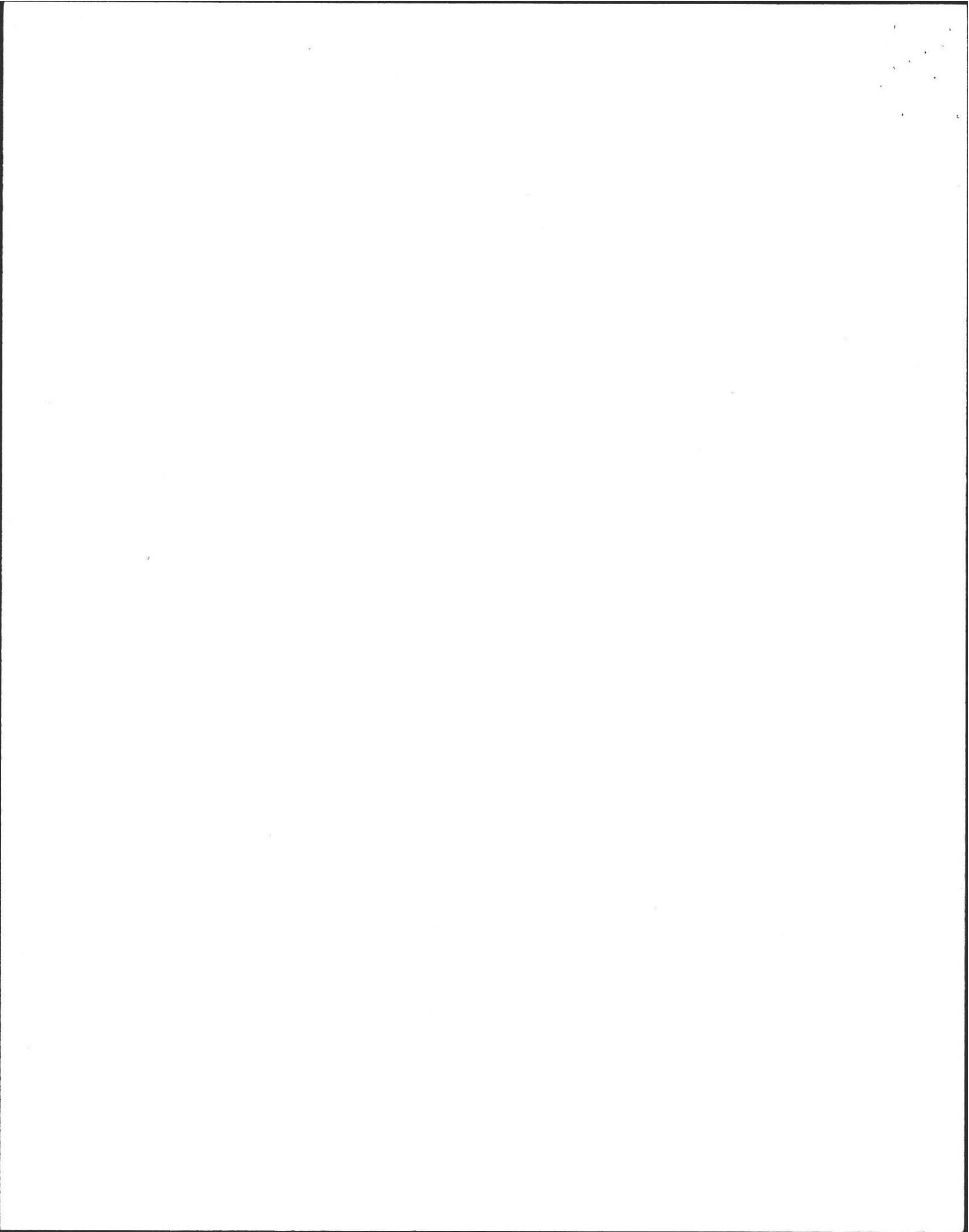
Site Passed Site Failed

Performed By: BILL SIRUTA

Witnessed By: DAVE ZAROZINSKI

Comments: - 5' SEPARATION TO C.W.
- USE TRENCHES ON SLOPE







ALAN E. WEISS, M.S., L.S.P.

Licensed Site Professional
Registered Sanitarian
Hydrogeologist
President

- Subsurface Investigations
- 21E Site Investigations
- Pollution Remediation
- Percolation Tests and Septic Designs

350 Old Enfield Rd.
Belchertown, MA 01007
(413) 323-5957 & 323-4916 (FAX)

Date: _____

Commonwealth of Massachusetts
Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: A. WEISS

Date: 9/10/96

Witnessed By: D. ZALCZINSKI

| | |
|--|--|
| Location Address or Lot # <u>57 (10) IDUNA LANE Amherst.</u> | Owner's Name, Address, and Telephone # <u>Jerry Jones 200 Triangle St. Amherst, MA. 01002 549-3700</u> |
| New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/> | |

Office Review

Published Soil Survey Available: No Yes

Year Published _____ Publication Scale _____

Drainage Class I -> Soil Limitations sewer seepage

Humcky SAND Soil Map Unit HgB Excessive

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) _____

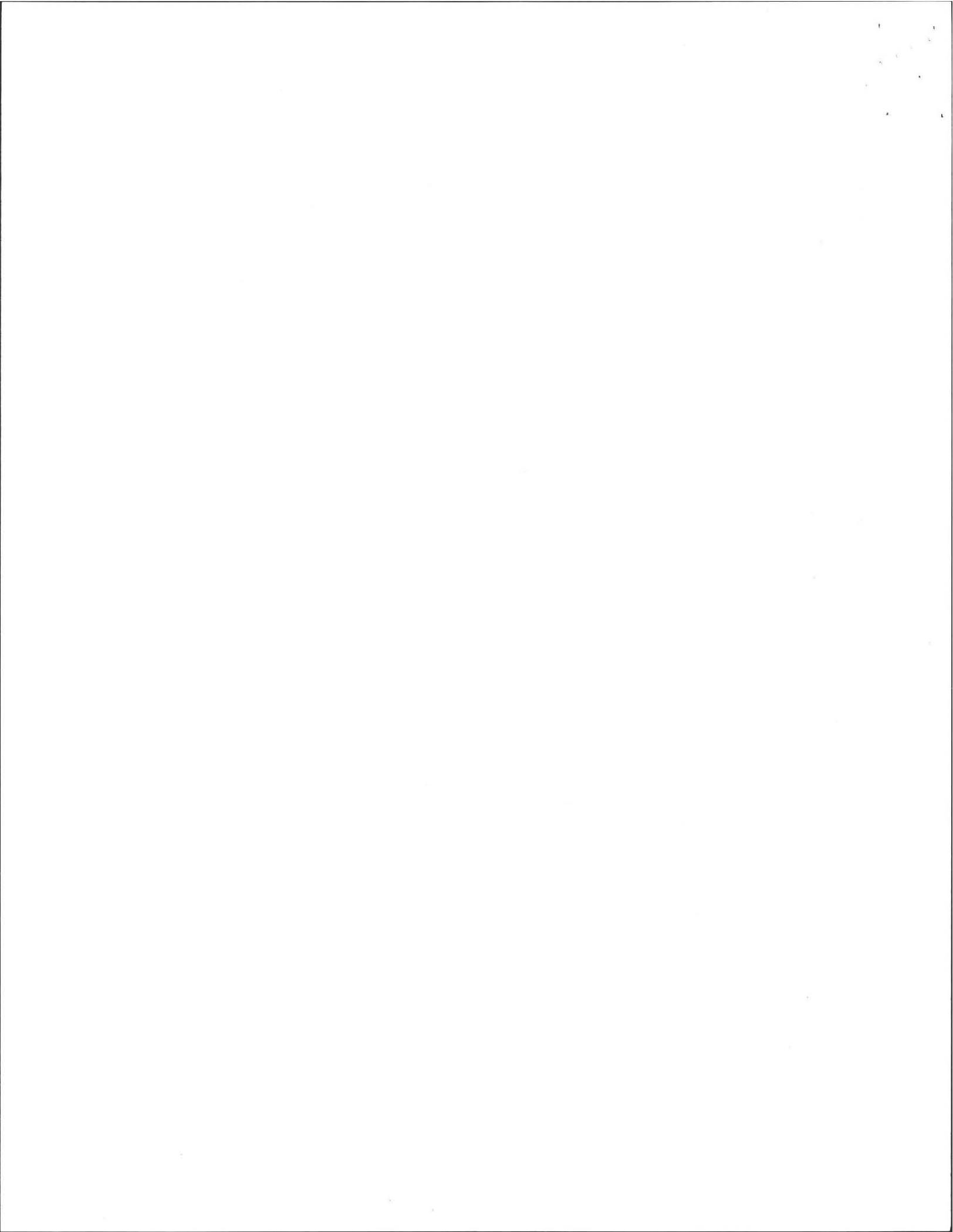
Wetlands Conservancy Program Map (map unit) N/A

Current Water Resource Conditions (USGS): Month _____

Range :Above Normal Normal Below Normal

Other References Reviewed: _____





Location Address or Lot No. LOT 57 (10) IDUNA LANE

Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole NA inches
- Depth weeping from side of observation hole NA inches
- Depth to soil mottles NA 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

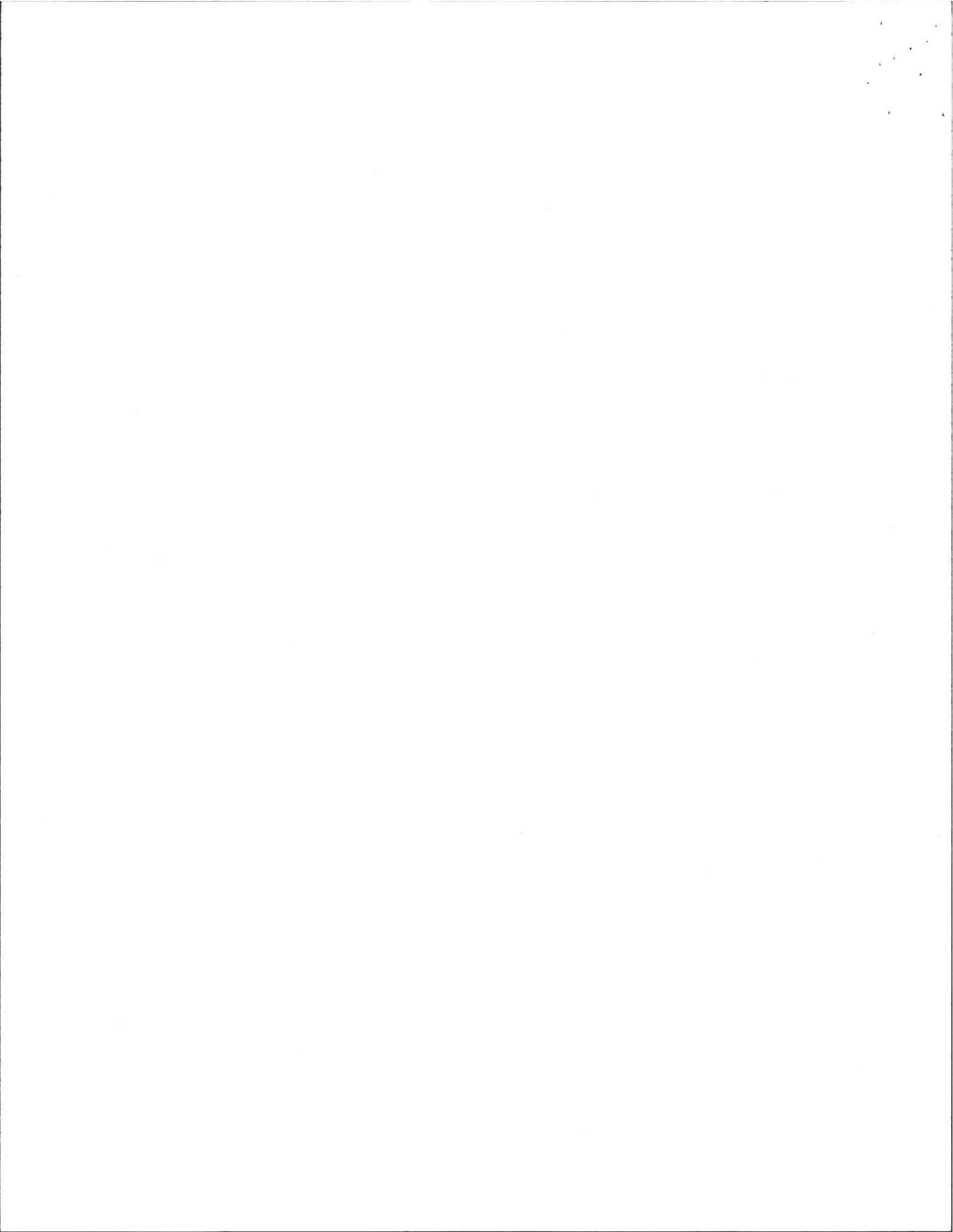
If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on June 1995 (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 [Signature] Date 9/10/96





Location Address or Lot No. Lot 57 IDINA LANE

On-site Review

Deep Hole Number TD-3 Date: 9/10/96 Time: 9:00 Weather Foggy 70°

Location (identify on site plan)

Land Use Deciduous Woods Slope (%) 5 Surface Stones None

Vegetation

Landform Glacial Delta / Stratalized Drift.

Position on landscape (sketch on the back)

Distances from:

Open Water Body NA feet Drainage way NA 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) |
|-----------------------------|--------------|---------------------|----------------------|---------------|---|
| 0-10" | A | L.S. | 10YR 2/3 | - | |
| 10-20" | B | L.S. | 10YR 6/6 | - | |
| 20"-12' | C | SAND | 10YR 6/4 | - | Well bedded + sorted med. to coarse sand, some gravel (more gravel at 4-6') |

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Stratified Drift. Depth to Bedrock: N.A.

Depth to Groundwater: Standing Water in the Hole: N.A. Weeping from Pit Face: N.A.

Estimated Seasonal High Ground Water: 12' +



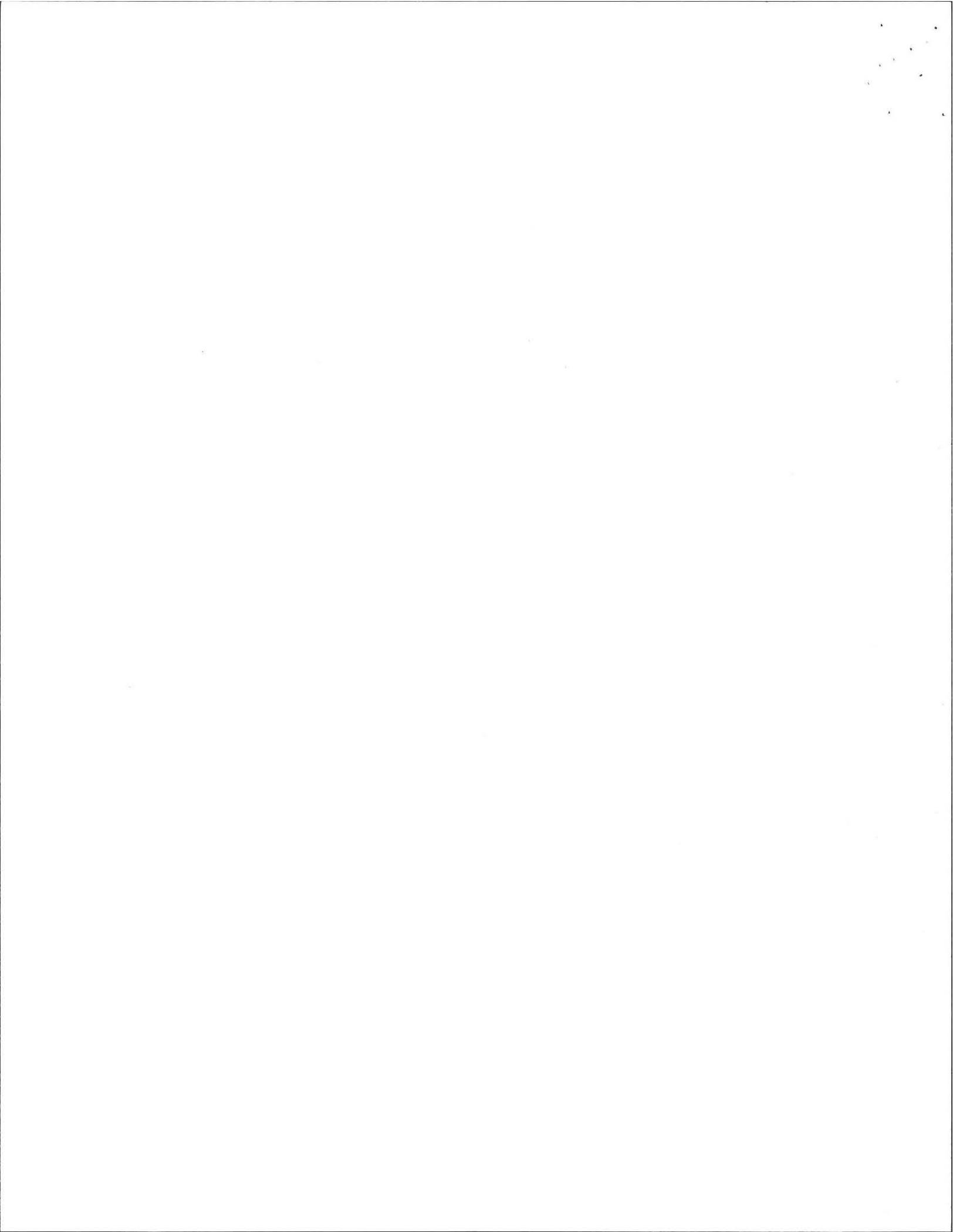
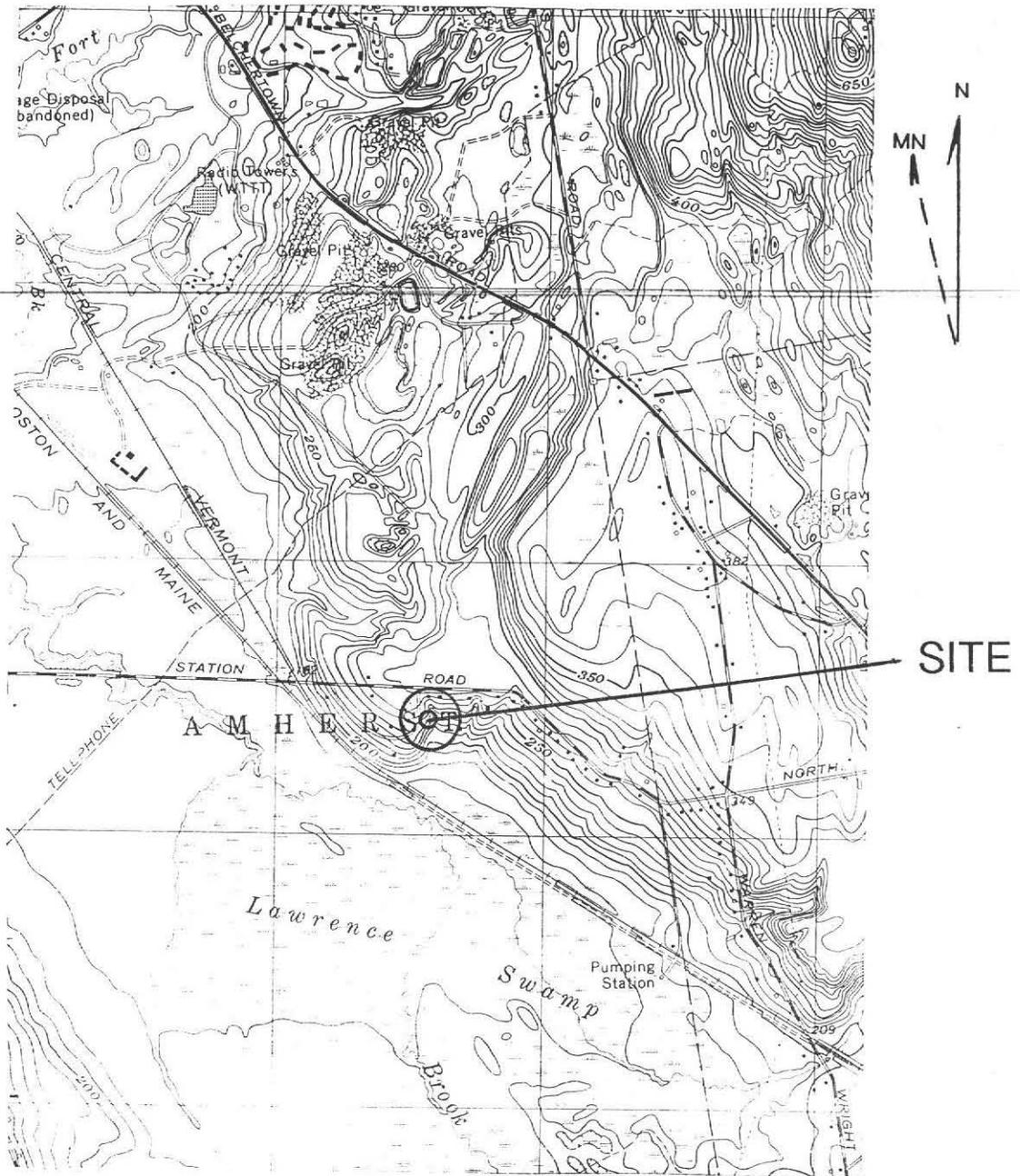


FIGURE 1: SITE LOCUS

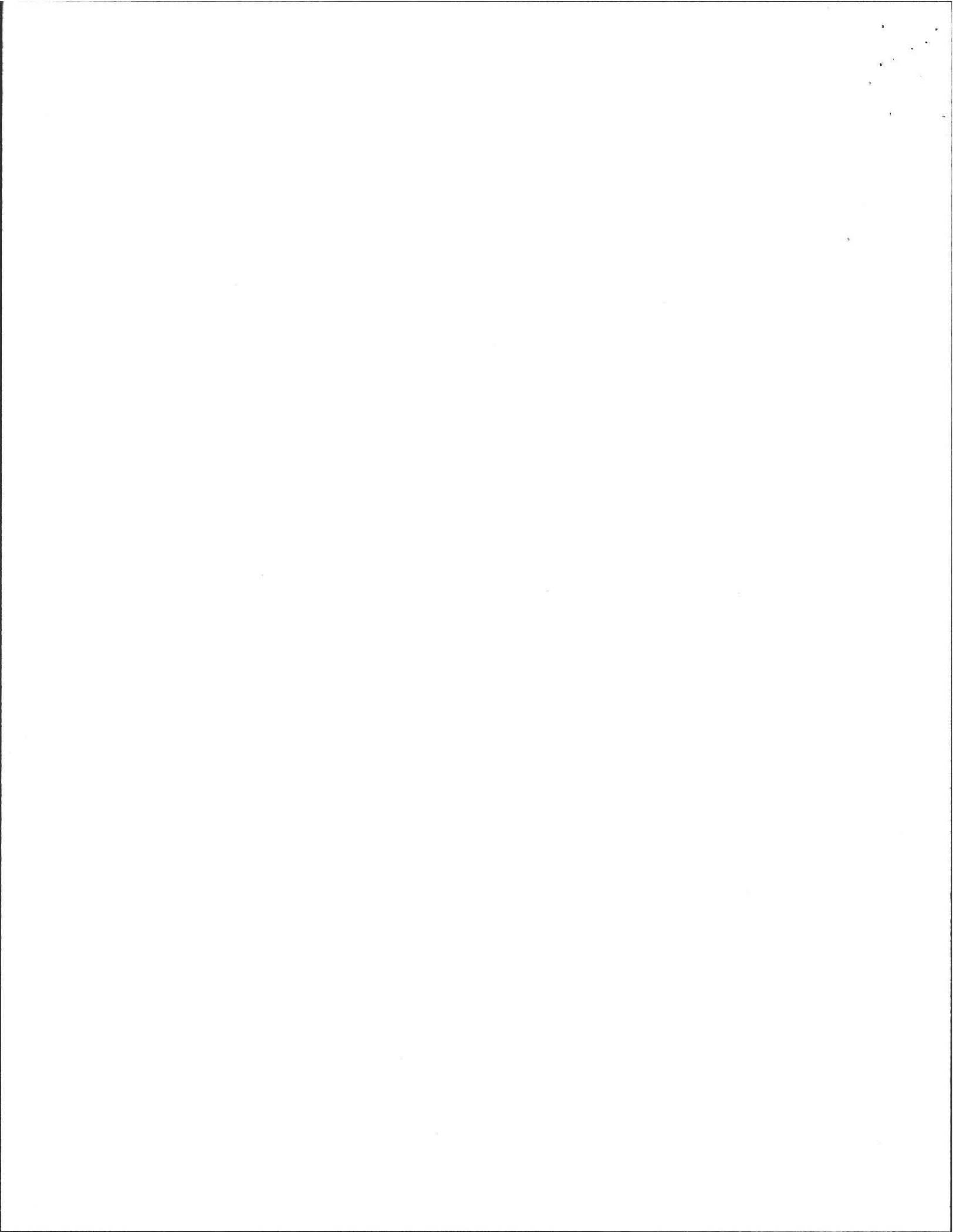


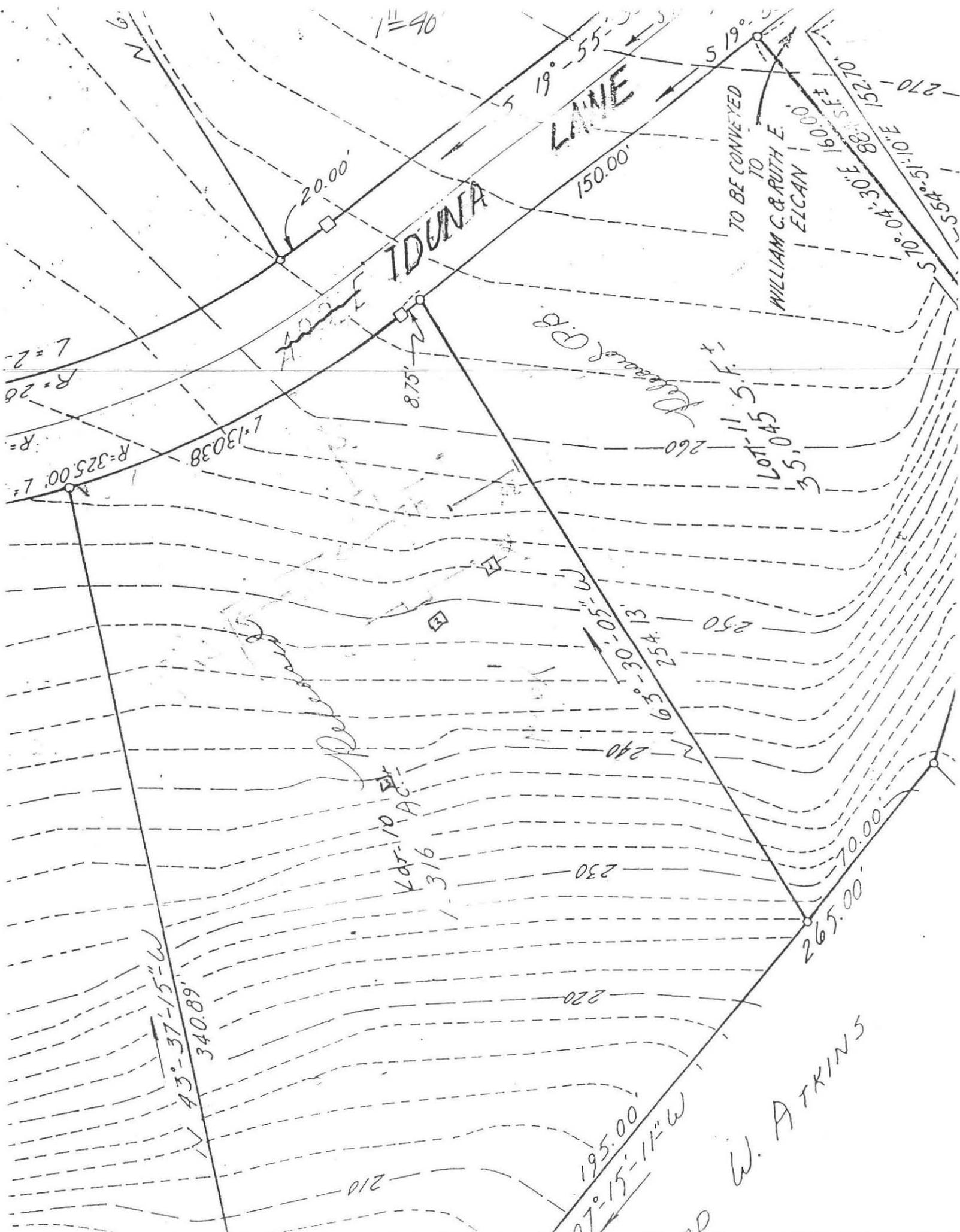
SCALE: 1"=2,083 FT.

USGS 7.5 MIN. QUAD.

0 FEET 2000

COLD SPRING ENVIRONMENTAL INC.





1" = 40'

LANE

IDUNA

TO BE CONVEYED TO WILLIAM C. & RUTH E. ELCAN

LOT 11 S.F. 35.045

W. ATKINS

R = 26
L = 2

R = 325.00' L = 1.13038

43°-37'-15" W
340.89'

316
Vd. 10 AC

250
240
230
220

195.00
7°-15'-11" W

265.00
70.00

152.70
-270
S 54°-31'-10" E 88.55 F
S 70°-04'-30" E 160.00

150.00

20.00

8.75

19°-55'

5

5

5

5

5

5

5

5

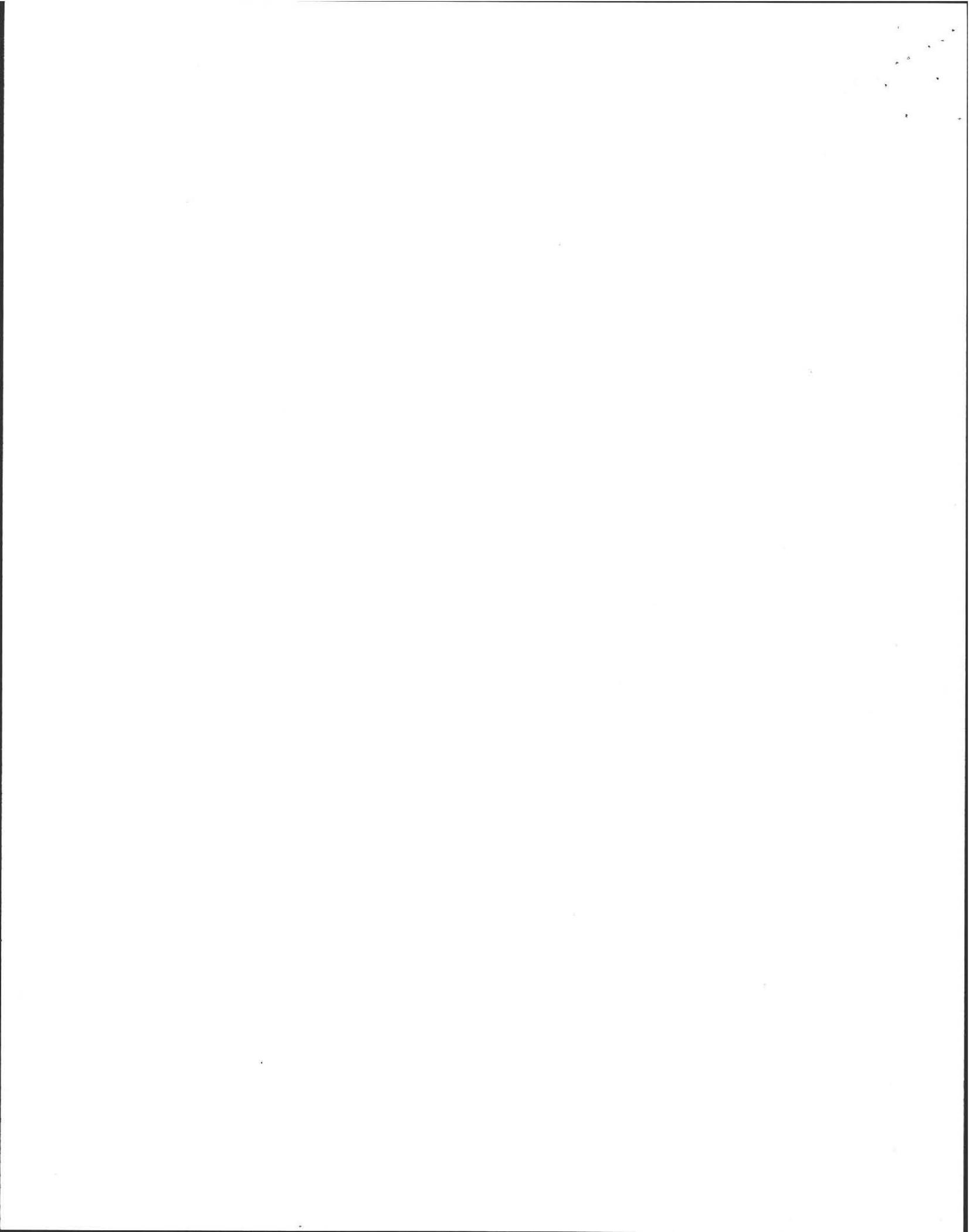
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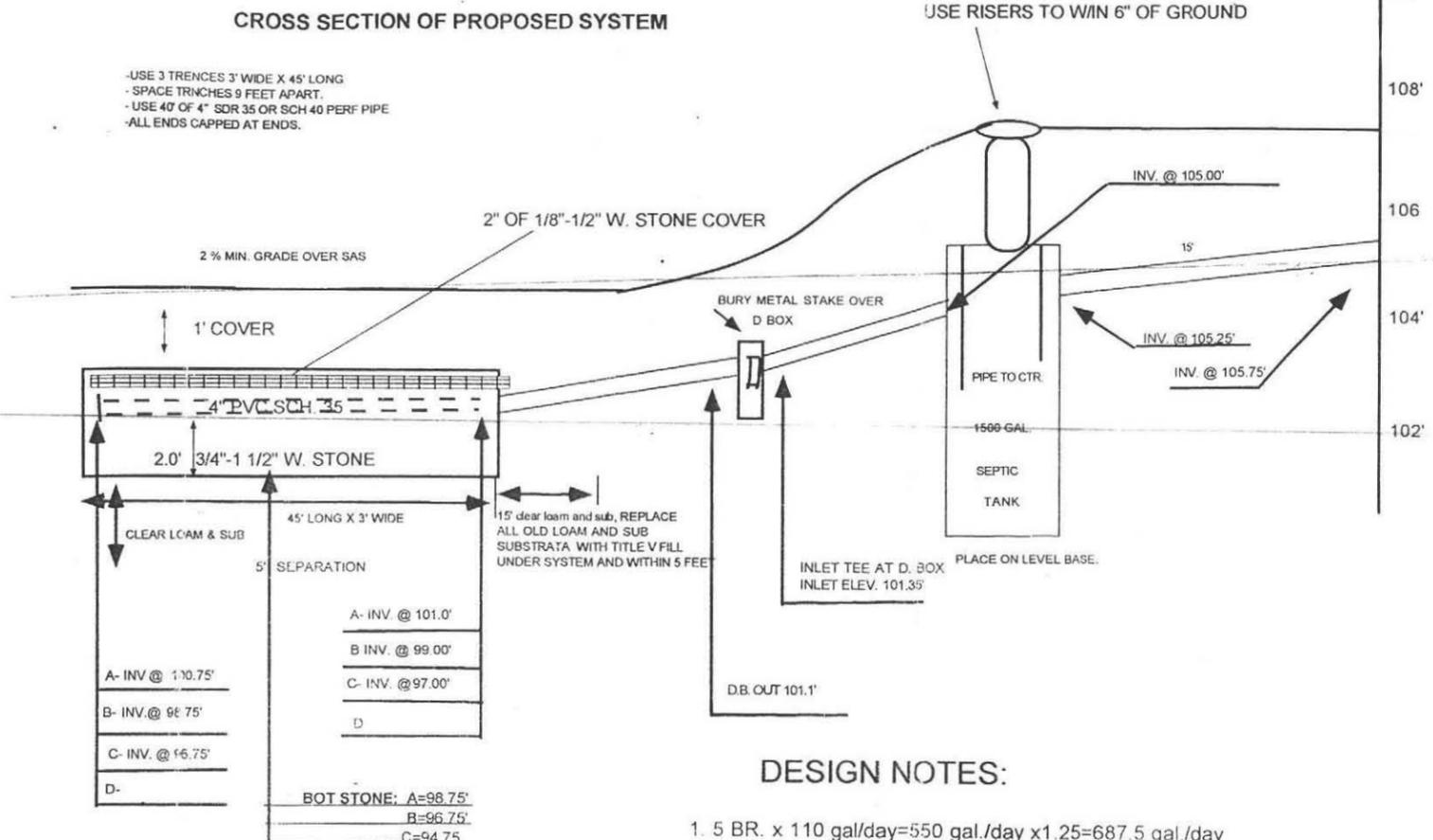
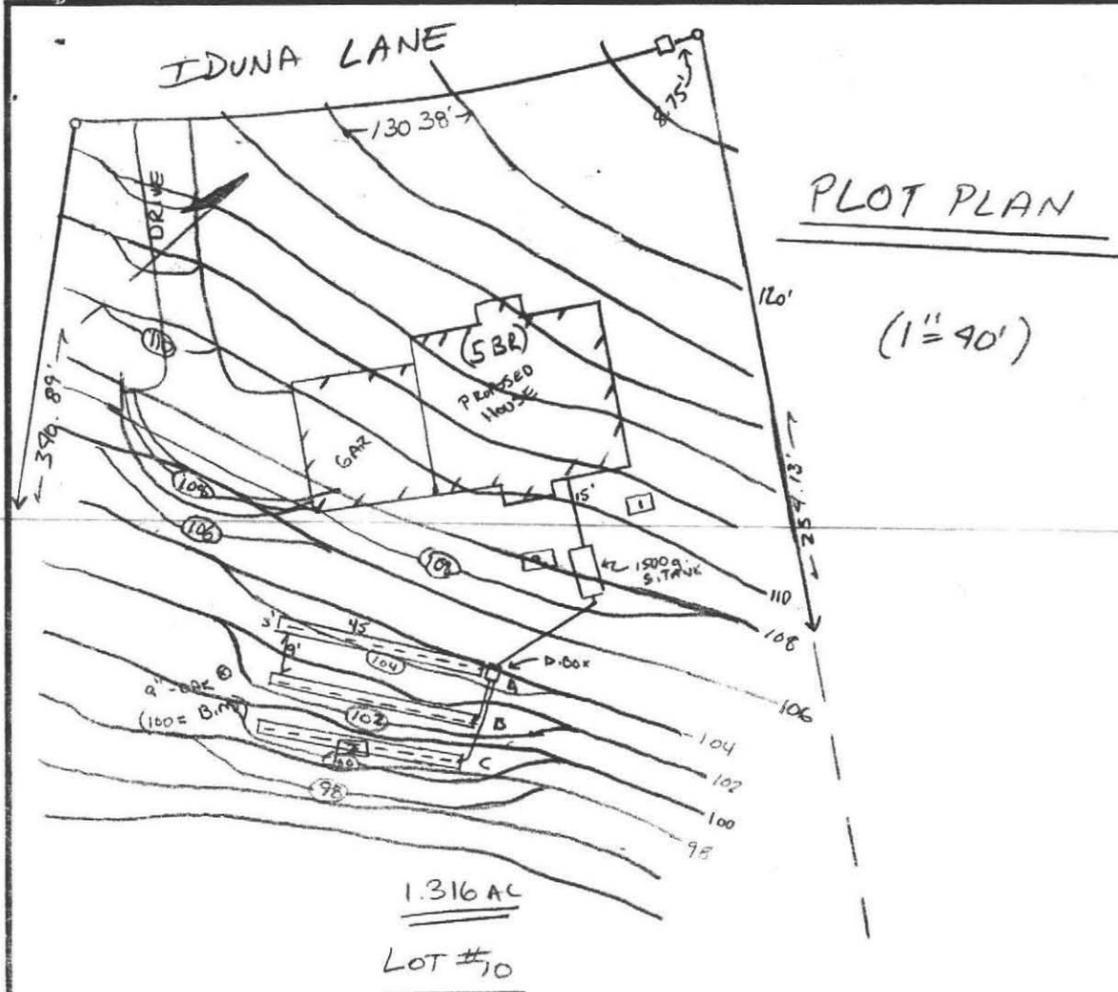
5

5

5

5





DESIGN NOTES:

- 5 BR. x 110 gal/day=550 gal./day x 1.25=687.5 gal./day
- Use THREE Leach Trenches: 3' wide x 24" stone below invert.
Bot Area: 3' wide x 45' long x 3= 405sf
Side Area: 2.0' x 45' long x 2 x 3= 540 sf.
Side Area 2.0' x 3.0' widex2 x 3= 36sf
Tot. Area: 981 sf x 0.74 gal.sf. = 726gal./day.
- NO GARBAGE DISPOSAL ALLOWED
- ALL D. BOX OUTLET PIPES LEVEL FOR 2'
- NO WELLS WITHIN 150 FEET OF SYSTEM NOTED. (town water).
- WETLANDS WITHING 100 FEET OF SYSTEM NOTED (NONE).
- PRE & POST CONTOURS NOTED AS NECESSARY.
- RESERVE AREA NOTED (BEWEEN TRENCHES).
- SLOPE CALCS NOT APPLIC.
- 2% MIN. SLOPE OVER SAS.

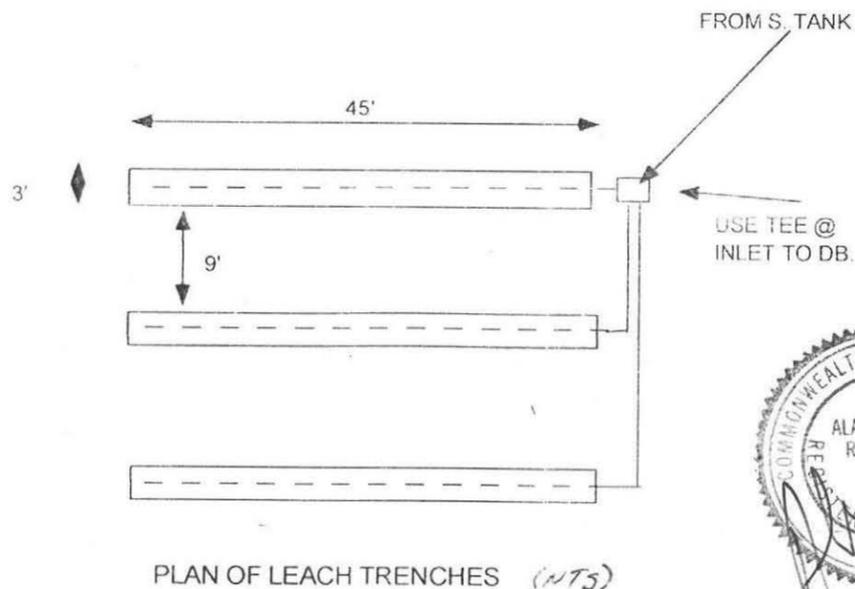
PERC TEST BY A. Weiss, R.S. & Soil Eval. ON 9/10/96. D ZAROZINSKI, AGENT.
PERCS by B. Siruta 72" & 65" DEPTH., RATE= <2 MIN./IN. on 4/14/94

TEST PIT LOGS

| TP-2 | | TP-3 |
|-------|---|-------------------|
| 0-8" | "A" TOPSOIL 10yr 3/3 | 0-10" |
| 8-18" | "B" SUBSOIL (LOAMY SAND) 10-20" | 10 yr 6/6 |
| | "C" BROWNISH YELLOW MED TO COARSE SAND, some gravel | 20"-12' 10 yr 6/4 |
| 13.5' | END OF PIT | 12' |
| NA | OXIDES | N.A. |
| NA | STATIC H2O | N.A. |
| NA | BEDROCK | NA. |

EL. TOP=108
EL. H2O= 94.5'
NOTE: BOT. IS ASSUMED HIGH WATER ELEV IN tp-3
* use 5 foot separation.

EL. TOP=99.15'
EL. H2O=87.15'



**PROPOSED SEPTIC PLAN FOR JERRY JONES
LOT #10 IDUNA LANE, AMHERST, MA.**

| | | |
|--|--------------|--------------------------------------|
| SCALE: NOTED | APPROVED BY: | DRAWN BY AW |
| DATE: 9/27/96 | | REVISED |
| COLD SPRING ENVIRONMENTAL, INC. | | DRAWING NUMBER 96-695-0909 |

