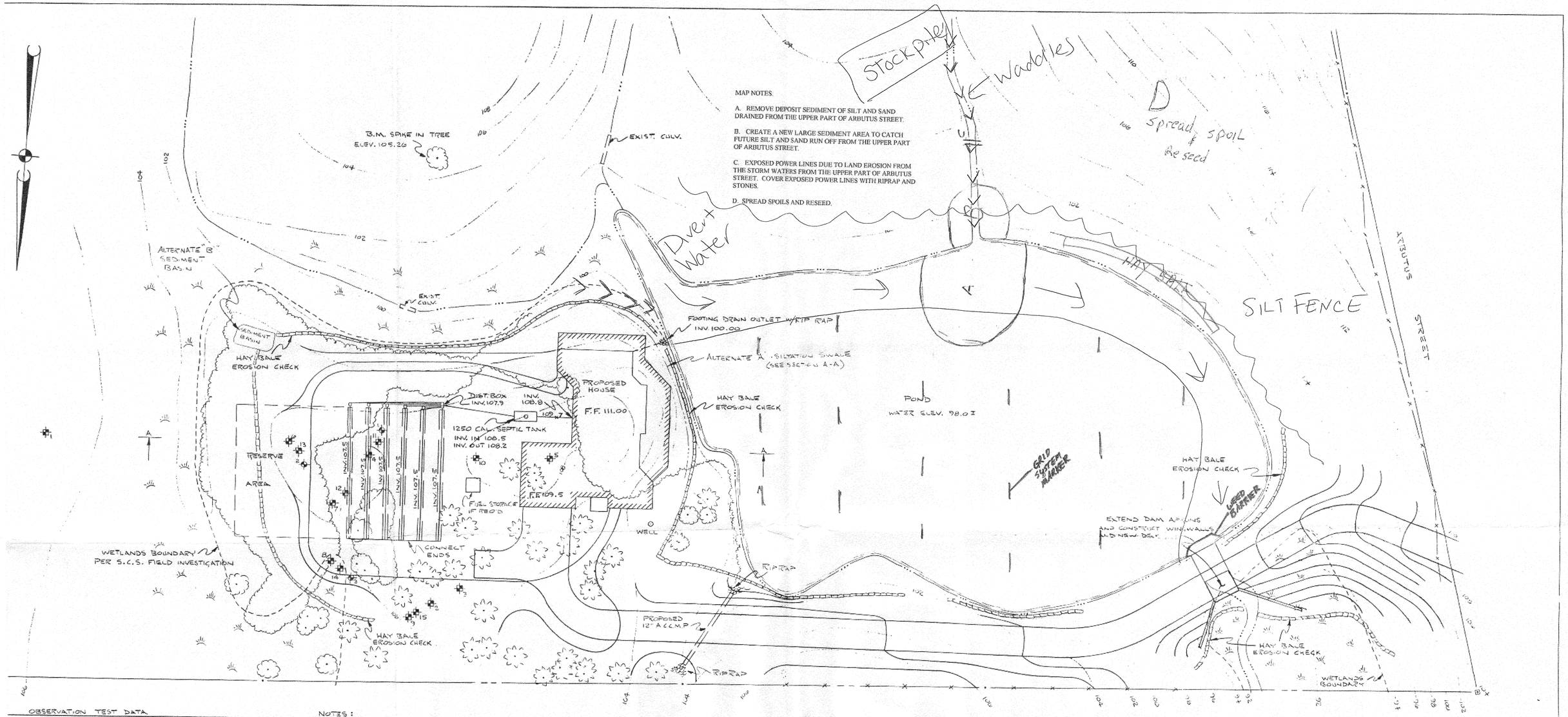
MAP NOTES.

A. REMOVE DEPOSIT SEDIMENT OF SILT AND SAND DRAINED FROM THE UPPER PART OF ARBUTUS STREET.

B. CREATE A NEW LARGE SEDIMENT AREA TO CATCH FUTURE SILT AND SAND RUN OFF FROM THE UPPER PART OF ARBUTUS STREET.

C. EXPOSED POWER LINES DUE TO LAND EROSION FROM THE STORM WATERS FROM THE UPPER PART OF ARBUTUS STREET. COVER EXPOSED POWER LINES WITH RIPRAP AND STONES.

D. SPREAD SPOILS AND RESEED.




## OBSERVATION TEST DATA

| | |
|---|---|
| P | |
| ' MOTTLED SILTY SAND | Nº 11 - 7' DEEP |
| SILTY SAND W/CLAY | 0-4" TOPSOIL |
| " " | 4"-2' SANDY RED LOAM |
| WATER AT 1½' | CLAY LAYERS AT 2½' & 4' |
| DGE | NO LEDGE, WATER AT 7' |
| | MOTTLING AT 2' |
| DGE | Nº 12 - 7' DEEP |
| | NO LEDGE, WATER AT 1¾' |
| D | Nº 13 - 7' DEEP |
| FD SILTY SANDY LOAM | NO LEDGE, MOTTLING 4" 2' |
| INE SAND | Nº 14 - 7' DEEP |
| SAND | WATER ON CLAY LAYER AT 3' |
| ATER AT 5' | MOTTLING AT 5", NO LEDGE |
| GRAVEL | Nº 15 - 5' DEEP |
| , NO WATER | CLAY LAYER AT 2½' |
| | LEDGE AT 5', WATER AT 2' |
| SAND | NOTE: Nº'S 1 THRU 5 DUG 12-11-79 |
| FINE SAND | Nº'S 6 THRU 10 DUG 1-30-80 |
| ATER AT 3' | Nº'S 11 THRU 15 DUG 5-1-80 |
| AND | |
| NE SAND | |
| ATER AT 3' | |
| AND | |
| NE SAND | |
| ATER AT 4' | |
| GRAVEL | |
| ELOW 3' | |
| GRAVEL | |
| NO WATER | |

## PERC. TEST DATA

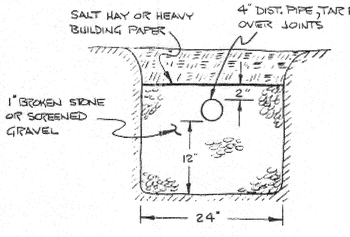
ALL 11-20 MIN/IN
TESTS DONE 5-1-80

## BASIS OF DESIGN

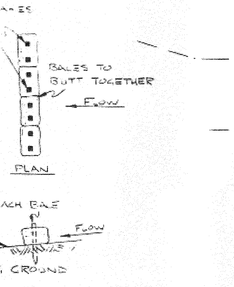
1. BASED ON PERC. RATE OF 11-20 MIN/IN. FOR 3 BEDROOM HOUSE: 675 SQ. FT. EFFECTIVE AREA REQUIRED
2. (6) 57 L.F. TRENCHES SHOWN YIELD 684 SQ. FT. EFFECTIVE AREA

## NOTES:

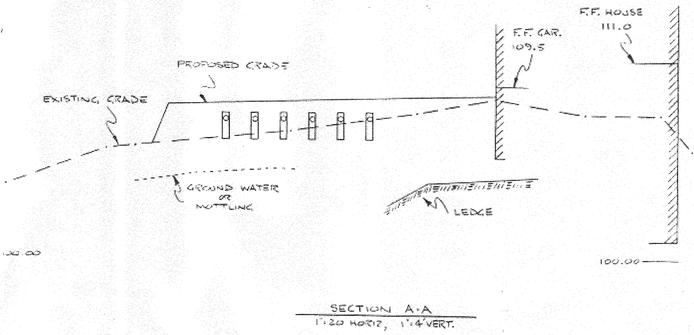
1. TOPSOIL TO BE REMOVED PRIOR TO FILL PLACEMENT
2. FILL TO BE CLEAN BANK-RUN GRAVEL PLACED IN 6" TO 12" LAYERS; TO BE INSPECTED AND/OR TESTED PRIOR TO INSTALLATION OF SEPTIC SYSTEM.
3. SEPTIC SYSTEM TO BE INSPECTED BY MIDD. HEALTH DEPT. DURING INSTALLATION
4. ENGINEER WILL CERTIFY DEPTH & TYPE OF FILL AND RECORD AS-BUILT ELEV'S
5. UPON COMPLETION, TOPSOIL, SEED & MULCH AS SOON AS PRACTICAL
6. HAY BALE EROSION CHECKS TO BE USED AS REQUIRED; TO BE INSTALLED BEFORE CONSTRUCTION BEGINS
7. WETLANDS BOUNDARY SHOWN AS DETERMINED BY FIELD INVESTIGATION BY BARRY CAVANNA OF THE SOIL CONSERVATION SERVICE
8. REFERENCE IS MADE TO MAP TITLED "PROPERTY OF J. NEALE BRAZOS & HAZEL L. BRAZOS TO BE CONVEYED TO BETTY LAUFER, ARBUTUS STREET & LIVINGSTON ROAD, MIDDLETOWN, CONN." DATED NOV. 1979, SCALE 1"=40'
9. THE STRUCTURAL INTEGRITY OF THE DAM WILL NOT BE ALTERED
10. LEACHING FIELD AREA TO BE CROWNED TO FACILITATE SURFACE WATER RUNOFF



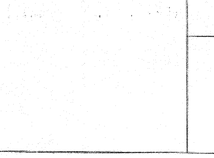

TYPICAL SECTION THRU LEACHING TRENCH

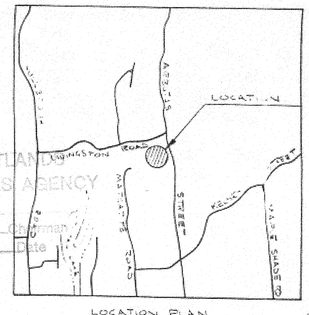



TYPICAL HAY BALE EROSION CHECK




SECTION A-A
1"=20' HORIZ., 1"=4' VERT.




LOCATION PLAN

Date of INLAND WETLANDS AND WATERCOURSES AGENCY
Approval 6/4/81
Chairman
Date

Rev. 10/2/80 with State Health Dept. changes reviewed by Engineer.

REV. 1-9-80
REV. 8-5-80

PROPERTY OF BETTY LAUFER
ARBUTUS ST. & LIVINGSTON RD., MIDDLETOWN, CONN.

SITE DEVELOPMENT

DATE: JULY 1980
SCALE: 1"=20'
DRAWING Nº 2 OF 2

DAVID B. MYLCHREEST
Consulting Engineer
Civil · Structural · Survey
Laurel Grove Rd. Middletown, Conn.

FILE Nº 8022

20-15
8/3/20