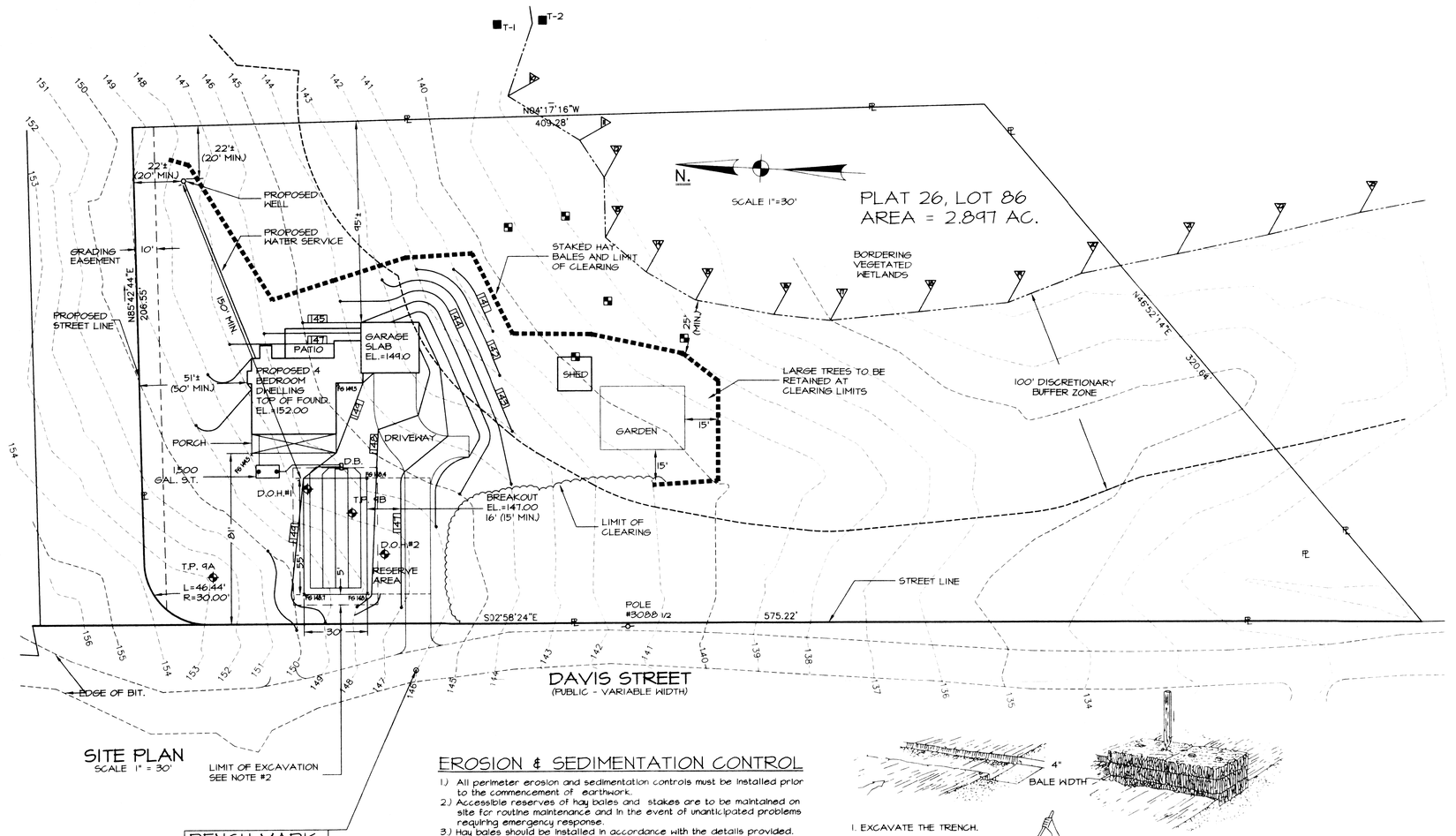
Good Hope Plan for Gournet Property



SITE PLAN

SCALE 1" = 30'

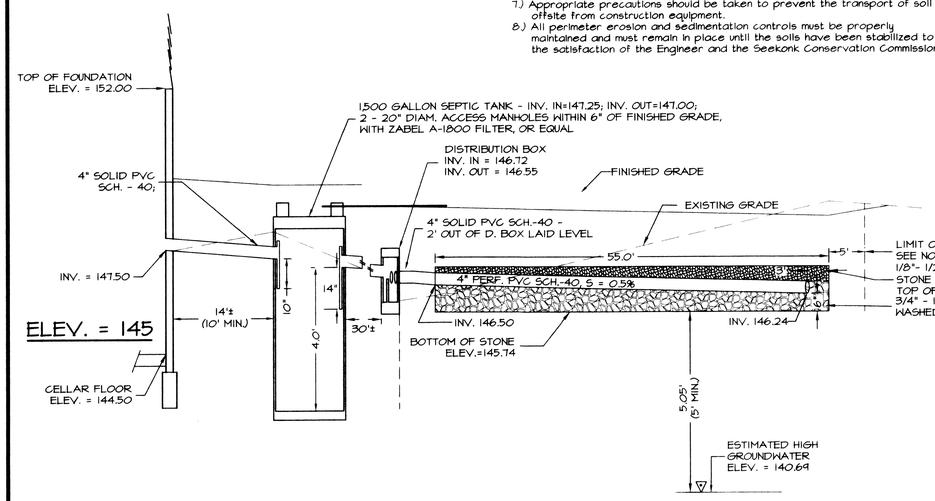
LIMIT OF EXCAVATION SEE NOTE #2

BENCH MARK:

NAIL IN PAVEMENT
ELEV. = 146.02

EROSION & SEDIMENTATION CONTROL

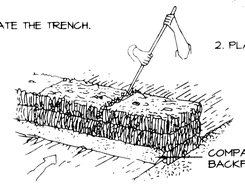
1.) All perimeter erosion and sedimentation controls must be installed prior to the commencement of earthwork.
2.) Accessible reserves of hay bales and stakes are to be maintained on site for routine maintenance and in the event of unanticipated problems requiring emergency response.
3.) Hay bales should be installed in accordance with the details provided.
4.) No work is to occur on the wetland side of the perimeter erosion and sedimentation controls. All perimeter controls serve as the project limit of disturbance.
5.) No stones, brush, construction debris, litter, or other materials are to be deposited on the wetland side of the erosion and sedimentation controls.
6.) All disturbed soils not designated for other surface treatment are to be loamed and seeded immediately following final grading.
7.) Appropriate precautions should be taken to prevent the transport of soil offsite from construction equipment.
8.) All perimeter erosion and sedimentation controls must be properly maintained and must remain in place until the soils have been stabilized to the satisfaction of the Engineer and the Seekonk Conservation Commission.



LEACHING TRENCH PROFILE

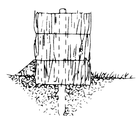
SCALES { HORIZONTAL 1"=10'
VERTICAL 1"=2'

1. EXCAVATE THE TRENCH.



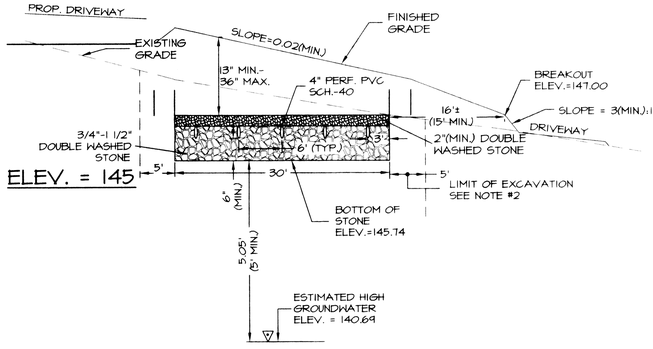
2. PLACE AND STAKE STRAW BALES.

3. WEDGE LOOSE STRAW BETWEEN BALES. BACKFILL AND COMPACT THE EXCAVATED SOIL.



CROSS SECTION

HAY BALE DETAIL



LEACHING FIELD SECTION

SCALES { HORIZONTAL 1"=10'
VERTICAL 1"=2'

NOTES:

1.) ALL WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE - TITLE 5 AND ONS OF THE SEEKONK BOARD OF HEALTH.
2.) STRIP ALL TOPSOIL, SUBSOIL AND UNSUITABLE MATERIAL, TREE ROOTS AND STUMPS AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL IN THE AREA OF THE SYSTEM AND 5 FEET BEYOND IN ALL DIRECTIONS, WHERE POSSIBLE. REPALCE WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310CMR15.255(3).
3.) ALL PIPE TO BE 4" P. V. C. SCHEDULE 40 UNLESS OTHERWISE NOTED.
4.) PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK AND DISTRIBUTION BOX.
5.) IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION.
6.) GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
7.) IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
8.) BREAKOUT ELEVATION = 147.00. NO FINISHED GRADE BELOW 147.00 FOR 15 FEET (MINIMUM) FROM THE EDGE OF THE LEACHING AREA.
9.) CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
10.) THE CELLAR FLOOR ELEVATION SHOWN HAS BEEN SUGGESTED AS A MINIMUM BASED ON OBSERVED GROUNDWATER CONDITIONS. SINCE THE GROUNDWATER LEVELS FLUCTUATE ANNUALLY, NO WARRANTY OF A DRY CELLAR IS EXPRESSED OR IMPLIED.
11.) ALL STONE USED FOR CONSTRUCTION OF THE SOIL ABSORPTION SYSTEM MUST BE DOUBLE WASHED AS SPECIFIED BY 310 CMR 15.247. ACTUAL STONE MATERIAL MAY ALSO BE SUBJECT TO APPROVAL BY THE DESIGN ENGINEER AND/OR SEEKONK HEALTH AGENT.

DESIGN DATA

DAILY SEWAGE FLOW
- PROPOSED BEDROOMS = FOUR
- DAILY FLOW = 110 GAL./DAY/BEDROOM x 4 BEDROOMS = 440 GALLONS PER DAY

SEPTIC TANK REQUIREMENTS
- VOLUME = 2 x DAILY FLOW = 880 GALLONS
- MINIMUM SIZE = 1,500 GALLONS

LEACHING AREA REQUIREMENTS
- PERCOLATION RATE = 21 MINUTES PER INCH
- DESIGN FOR 25 MINUTES PER INCH - SOIL TEXTURE CLASS - II
  - EFFLUENT LOADING RATE = 0.40 GALLONS PER SQUARE FOOT
  - SIDEWALL AREA = 0 SQUARE FEET (FIELD)
  - BOTTOM AREA = 55' x 30' = 1650 SQUARE FEET
- TOTAL LEACHING AREA = 1650 SQUARE FEET
- TOTAL LEACHING CAPACITY = 1650 S. F. x 0.40 GAL/DAY/S. F. = 660 GAL./DAY = 150% TITLE 5 - TOWN OF SEEKONK REGULATION

DEEP OBSERVATION HOLE "1" LOG
ORIGINAL GRADE - 147.73

DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0 - 12"	A	SANDY LOAM	10 YR 3/3		GRANULAR, FRIABLE, COBBLEY
12" - 30"	Bw	SANDY LOAM	10 YR 5/6		MASSIVE, FRIABLE, COBBLEY
30" - 114"	Cd	SANDY LOAM	2.5 Y 5/4		MASSIVE, FRIABLE, COBBLEY, STONEY WITH LAYERS OF GRAVEL

OBSERVED STANDING GROUNDWATER - NONE
MONITORING PIPE READING - SEE T.P. 9B
PERCOLATION TEST AT 50" + 88" = 12 MINUTES/INCH

OBSERVED WEEPING GOUNDWATER - NONE
ESTIMATED HIGH GROUNDWATER - SEE T.P. 9B
REMOVE TO 3" INTO Cd HORIZON

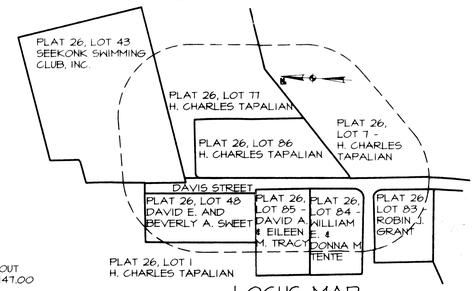
DEEP OBSERVATION HOLE "2" LOG
ORIGINAL GRADE - 146.73

DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0 - 9"	A	SANDY LOAM	10 YR 3/3		GRANULAR, FRIABLE, COBBLEY
9" - 32"	Bw	SANDY LOAM	10 YR 5/6		MASSIVE, FRIABLE, COBBLEY
32" - 132"	Cd	SANDY LOAM	2.5 Y 5/4		MASSIVE, FRIABLE, VERY STONEY COBBLEY, GRAVELLY

OBSERVED STANDING GROUNDWATER - NONE
MONITORING PIPE READING - SEE T.P. 9B
PERCOLATION TEST AT 60" + 78" = 21 MINUTES/INCH*
DATE OF SOIL TEST - 7/28/98

OBSERVED WEEPING GOUNDWATER - NONE
ESTIMATED HIGH GROUNDWATER - SEE T.P. 9B
REMOVE TO 3" INTO Cd HORIZON
* OVERNIGHT SOAK - DATE OF PERC. TEST - 7/29/98

WITNESS: MR. CHENEVERT, SEEKONK BOARD OF HEALTH
TESTING PERFORMED BY: CAPUTO AND WICK LTD.



LOCUS MAP

SCALE 1"=300'±

TEST PIT "9B"
ORIGINAL GRADE - 146.69

DEPTH	SOIL TEXTURE
0 - 9"	LOAM
9" - 30"	SUBSOIL
30" - 120"	SILTY SAND AND GRAVEL

OBSERVED STANDING GROUNDWATER - 72" (4/24/84)
MONITORING PIPE READING - 77" (5/20/98)
ESTIMATED HIGH GROUNDWATER - 72" (ELEV.=140.69)
PERCOLATION TEST - NONE
NOTE - TEST PIPE 9A DRY AT 83" - 5/20/98

SOIL DATA FROM PLAN ENTITLED "PEMBROKE ESTATES - PROPOSED SUBDIVISION IN SEEKONK, MA. FOR H. CHARLES TAPALIAN" BY MARK W. HUTCHINS & ASSOC. DATED NOV. 1986, REVISED APRIL, 1987.

GROUNDWATER READINGS TAKEN 5/20/98 PERFORMED BY CAPUTO AND WICK LTD. AND WITNESSED BY MR. CHENEVERT, TOWN OF SEEKONK BOARD OF HEALTH.

LEGEND

100	EXISTING CONTOUR
100	PROPOSED CONTOUR
MA. STD.	MASSACHUSETTS STANDARD
INV.	INVERT OF PIPE
P. V. C.	POLYVINYL CHLORIDE PIPE
S. D. R.	STANDARD DIMENSION RATIO
R. C. P.	REINFORCED CONCRETE PIPE
CONC.	CONCRETE (BIT. OR P. C.)
BIT.	BITUMINOUS
P. C.	PORTLAND CEMENT
TYP.	TYPICAL
F.G. 100x00	FINISHED SPOT GRADE
100x00	EXISTING SPOT GRADE
T. C.	TOP OF CURB
B. C.	BOTTOM OF CURB
℄	PROPERTY LINE
-x-CLF-x-	CHAIN LINK FENCE
ST	SEPTIC TANK
DB	DISTRIBUTION BOX
	DEEP OBSERVATION HOLE
	T-1 - NON-HYDRIC SOIL PLOT
	WETLAND FLAG

PREPARE FOR:
PHILIP & CHRISTINE GADBOIS
150 FIELDWOOD AVENUE
SEEKONK, MA. 02771

69-429

COMMONWEALTH OF MASSACHUSETTS
RODNEY W. WICK
CIVIL
No. 27837
REGISTERED PROFESSIONAL ENGINEER

SEWAGE DISPOSAL SYSTEM
PLAT 26, LOT 86
DAVIS STREET
SEEKONK, MASSACHUSETTS

CAPUTO AND WICK LTD.
1150 PAWTUCKET AVE.
RUMFORD, R.I. 02916
401-434-8880

DATE
MAY 2000

SHEET
1 OF 1