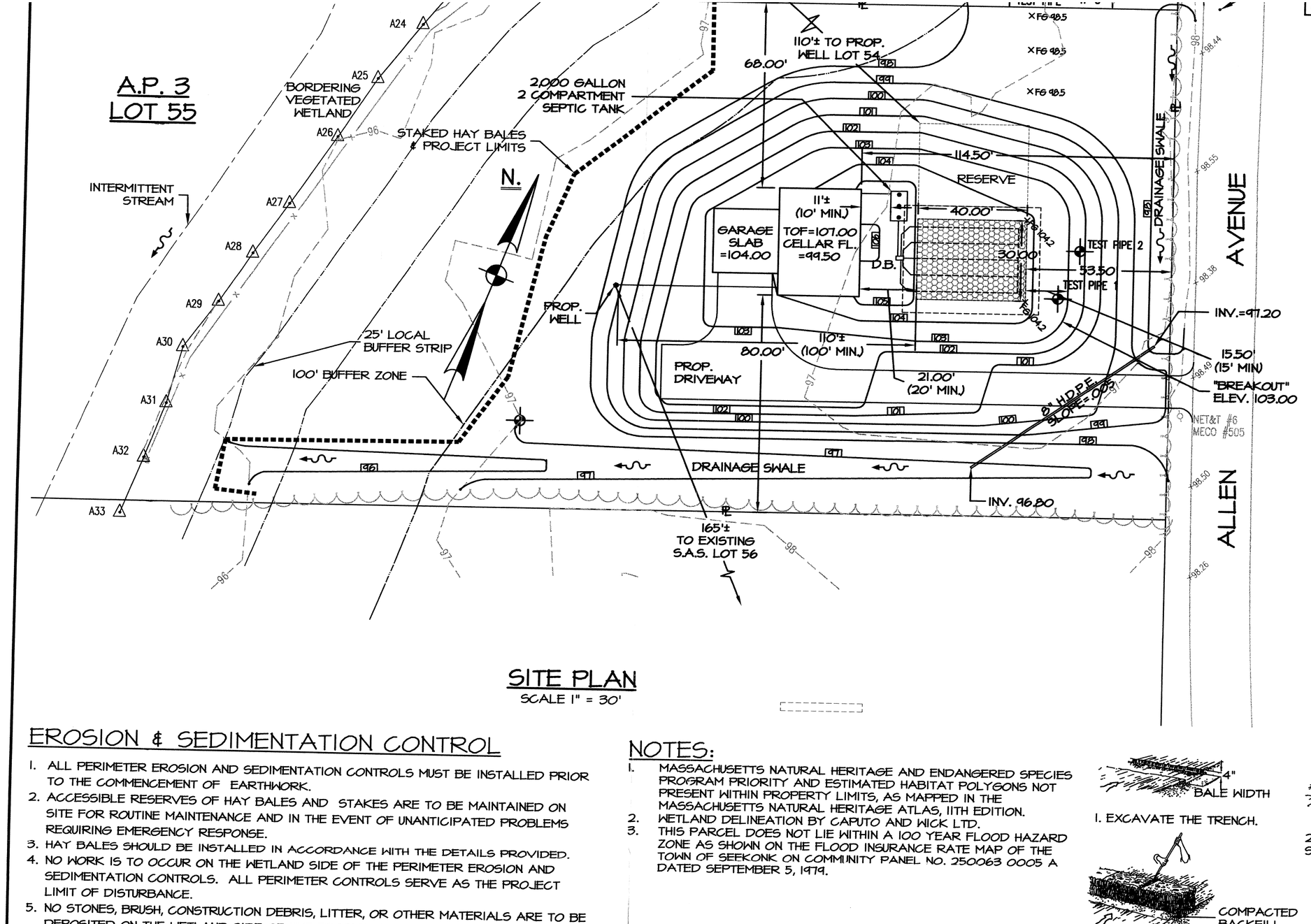


SITE PLAN

SCALE 1" = 30'

(ASSUMED)

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0 - 12"	A	SANDY LOAM	10YR 3/1	-	-
12" - 36"	B	LOAMY SAND	10YR 6/8	16"-10YR 6/8	COMMON
36" - 100"	C	COARSE SAND	2.5Y 6/1	-	-

STANDING GROUNDWATER - 74"
OBSERVED GROUNDWATER - 0" (3/21/05)
PERC. RATE @56" = < 2 MPI
WITNESS; MR. CHENEVERT, B.O.H.
TESTING PERFORMED BY; DEAN MONSEES

WEEPING GROUNDWATER - 74"
ESTIMATED HIGH GROUNDWATER - 0" (ELEV.-96.73)
DATE OF TEST - 9/16/04

DEEP OBSERVATION HOLE "2" LOG
ORIGINAL GRADE - 96.70

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0 - 12"	A	SANDY LOAM	10YR 3/1	-	-
12" - 30"	B	LOAMY SAND	10YR 5/8	16"-10YR 5/8	COMMON
30" - 100"	C	V. F. SAND	2.5Y 7/1	-	POCKETS OF COARSE SAND

STANDING GROUNDWATER - 80"
OBSERVED GROUNDWATER - 8" (3/21/05)
PERC. RATE @50" = <2 MPI
WITNESS; MR. CHENEVERT, B.O.H.
TESTING PERFORMED BY; DEAN MONSEES

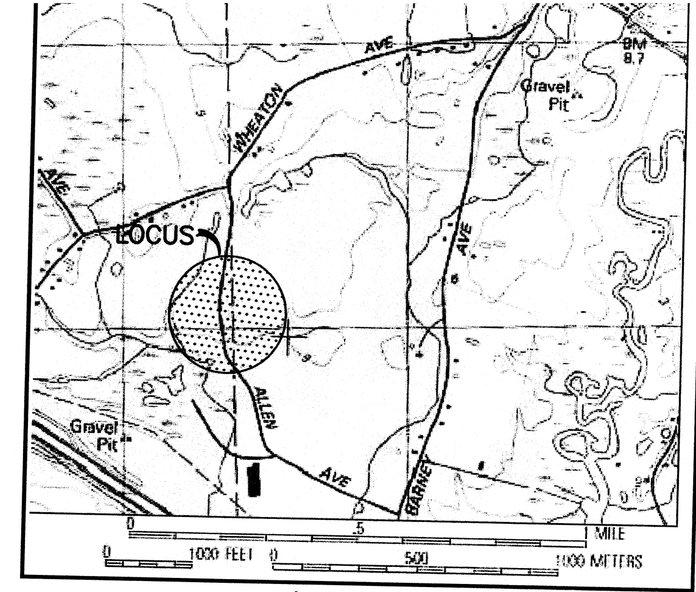
WEEPING GROUNDWATER - 80"
ESTIMATED HIGH GROUNDWATER - 8" (ELEV.-96.03)
DATE OF TEST - 9/16/04

DESIGN DATA

DAILY SEWAGE FLOW
- 4 BEDROOMS
- DAILY FLOW = 110 GAL./BEDROOM = 440 GALLONS PER DAY (GPD)

SEPTIC TANK REQUIREMENTS
- VOLUME = 2 x DAILY FLOW = 880 GALLONS
- USE 2,000 GALLON, 2 COMPARTMENT SEPTIC TANK (SEEKONK MIN. W/ GARBAGE GRINDER)

LEACHING AREA REQUIREMENTS
- PERCOLATION RATE = <2 MINUTES PER INCH
- DESIGN FOR 15 MINUTES PER INCH - SOIL TEXTURE CLASS - II (PER B.O.H.)
  - EFFLUENT LOADING RATE = 0.56 GALLONS PER SQUARE FOOT
  - SIDEWALL AREA = 0 SQUARE FEET (FIELD)
  - BOTTOM AREA = 30' x 40' = 1,200 SQUARE FEET
- TOTAL LEACHING AREA = 1,200 SQUARE FEET
- TOTAL LEACHING CAPACITY
  - = 1,200 S. F. x 0.56 GAL/DAY/S.F. = 672 GAL./DAY
  - 672 GAL./DAY > 150% DAILY FLOW - GARBAGE GRINDER ALLOWED



LOCUS

NOTES:

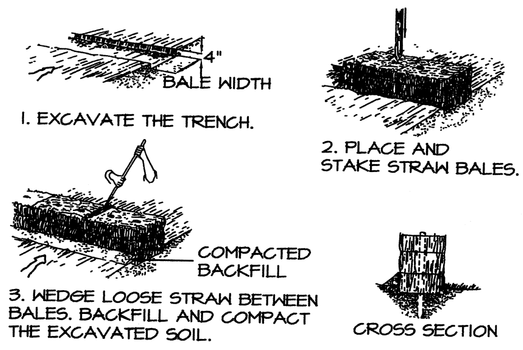
1. ALL WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE - TITLE 5 AND THE RULES AND REGULATIONS OF THE SEEKONK BOARD OF HEALTH.
2. STRIP ALL TOPSOIL, SUBSOIL AND UNSUITABLE MATERIAL, TREE ROOTS AND STUMPS AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL IN THE AREA OF THE SYSTEM AND 5 FEET BEYOND HORIZONTALLY IN ALL DIRECTIONS, WHERE POSSIBLE. STRIP MATERIAL VERTICALLY 3" MINIMUM INTO THE C HORIZON. REPALCE TO "BREAKOUT" ELEV. 103.00 (MIN.) WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310CMR15.255.
3. THE CONTRACTOR IS TO REMOVE ALL UNSUITABLE MATERIAL BELOW THE PROPOSED SOIL ABSORBTION SYSTEM PRIOR TO INSTALLATION. SEE DEEP OBSERVATION HOLES SOIL DATA FOR FURTHER INFORMATION.
4. ALL PIPE TO BE 4" P. V. C. SCHEDULE 40 UNLESS OTHERWISE NOTED.
5. PLACE 8" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK AND DISTRIBUTION BOX.
6. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY DESIGNER BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
7. GARBAGE GRINDER IS ALLOWED WITH THIS DESIGN.
8. INLET AND OUTLET TEES FOR SEPTIC TANK ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
9. IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
10. BREAKOUT ELEVATION = 103.00. NO FINISHED GRADE BELOW 103.00 FOR 15 FEET (MINIMUM) FROM THE EDGE OF THE LEACHING AREA.
11. 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.
12. ALL STONE USED FOR CONSTRUCTION OF THE SOIL ABSORPTION SYSTEM MUST BE AS SPECIFIED IN 310 CMR 15.241. STONE MUST BE WASHED REPEATEDLY UNTIL THIS SPECIFICATION IS MET, AND/OR SEEKONK HEALTH AGENT.
13. MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT REQUIRED FROM DESIGNER AND THE TOWN PRIOR TO CONSTRUCTION. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY CONTRACTOR.
14. THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR MONITORING, INSPECTING OR SUPERVISING THE ACTUAL CONSTRUCTION WORK. AFTER EXCAVATING AND PRIOR TO INSTALLING ANY IMPORTED MATERIAL, CONTACT THE BOARD OF HEALTH AGENT FOR A BOTTOM OF EXCAVATION INSPECTION. AFTER SYSTEM COMPONENTS ARE IN PLACE AND PRIOR TO BACKFILLING, CONTACT THE DESIGNER (MIN. 48 HOUR NOTICE) TO VERIFY THE LOCATION AND ELEVATION OF SYSTEM COMPONENTS AND PREPARE A RECORD DRAWING AS REQUIRED BY THE BOARD OF HEALTH.
15. THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH 310 CMR 15.00 AND LOCAL BOARD OF HEALTH REGULATIONS AND THE RESPONSIBILITY OF THE OWNER FOR PROPERLY MAINTAINING THE SYSTEM IN ACCORDANCE WITH 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS.
16. REFER TO 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS FOR ADDITIONAL INFORMATION CONCERNING THE CONSTRUCTION AND OPERATION OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS.
17. SYSTEM TO BE CONSTRUCTED BY A INSTALLER LICENSED BY THE SEEKONK BOARD OF HEALTH.
18. FILL MEETING THE REQUIREMENTS OF 310 CMR 15.255(9) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS PER 310 CMR 15.255(6). PRIOR TO DISCHARGE WATER MUST BE FILTERED THROUGH A "DANDY DEWATERING BAG", OR EQUAL, PRIOR TO ENTERING A PUBLIC ROADWAY STORM DRAINAGE SYSTEM.

EROSION & SEDIMENTATION CONTROL

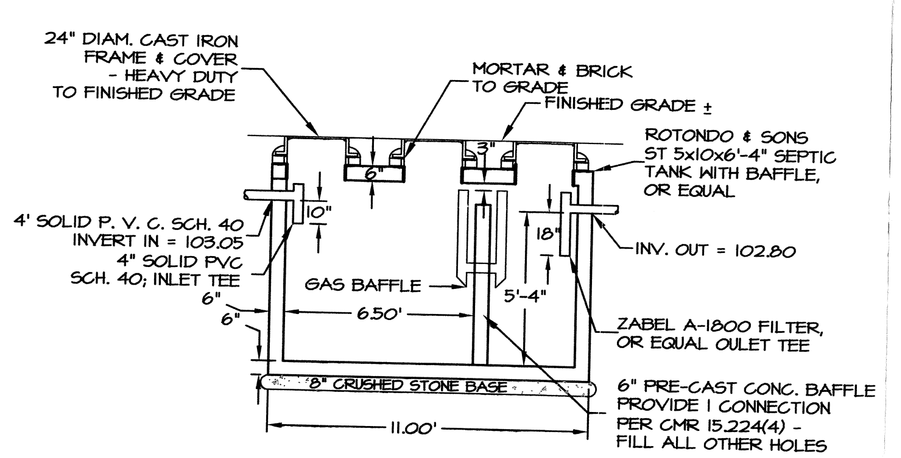
1. ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK.
2. ACCESSIBLE RESERVES OF HAY BALES AND STAKES ARE TO BE MAINTAINED ON SITE FOR ROUTINE MAINTENANCE AND IN THE EVENT OF UNANTICIPATED PROBLEMS REQUIRING EMERGENCY RESPONSE.
3. HAY BALES SHOULD 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.
9. THE PERIMETER EROSION AND SEDIMENTATION CONTROLS SERVE AS THE LIMIT OF LAWN AND FUTURE YARD ACTIVITIES.

NOTES:

1. MASSACHUSETTS NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM PRIORITY AND ESTIMATED HABITAT POLYGONS NOT PRESENT WITHIN PROPERTY LIMITS, AS MAPPED IN THE MASSACHUSETTS NATURAL HERITAGE ATLAS, 11TH EDITION.
2. WETLAND DELINEATION BY CAPUTO AND WICK LTD.
3. THIS PARCEL DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS SHOWN ON THE FLOOD INSURANCE RATE MAP OF THE TOWN OF SEEKONK ON COMMINITY PANEL NO. 250063 0005 A DATED SEPTEMBER 5, 1979.

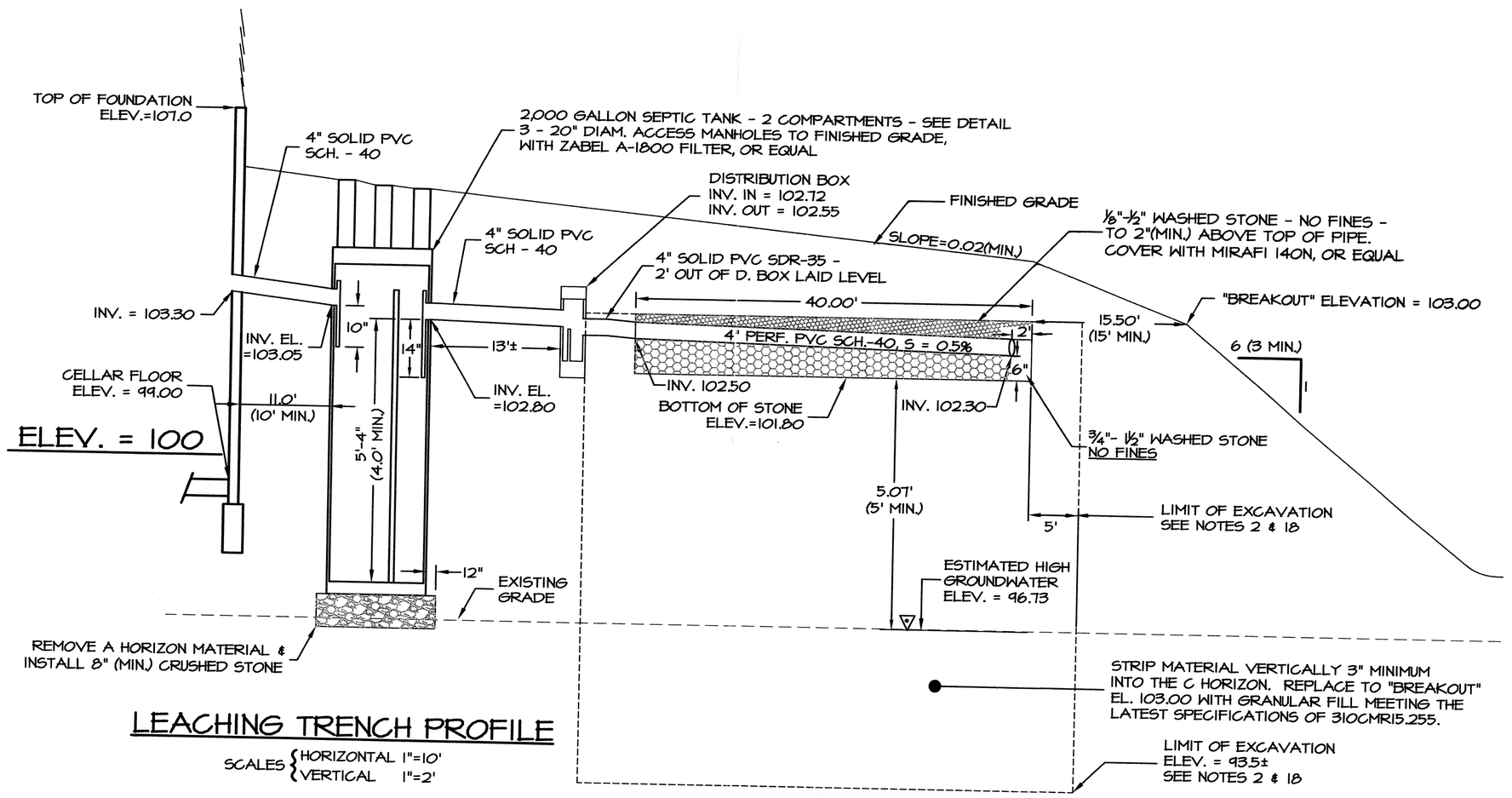


HAY BALE DETAIL



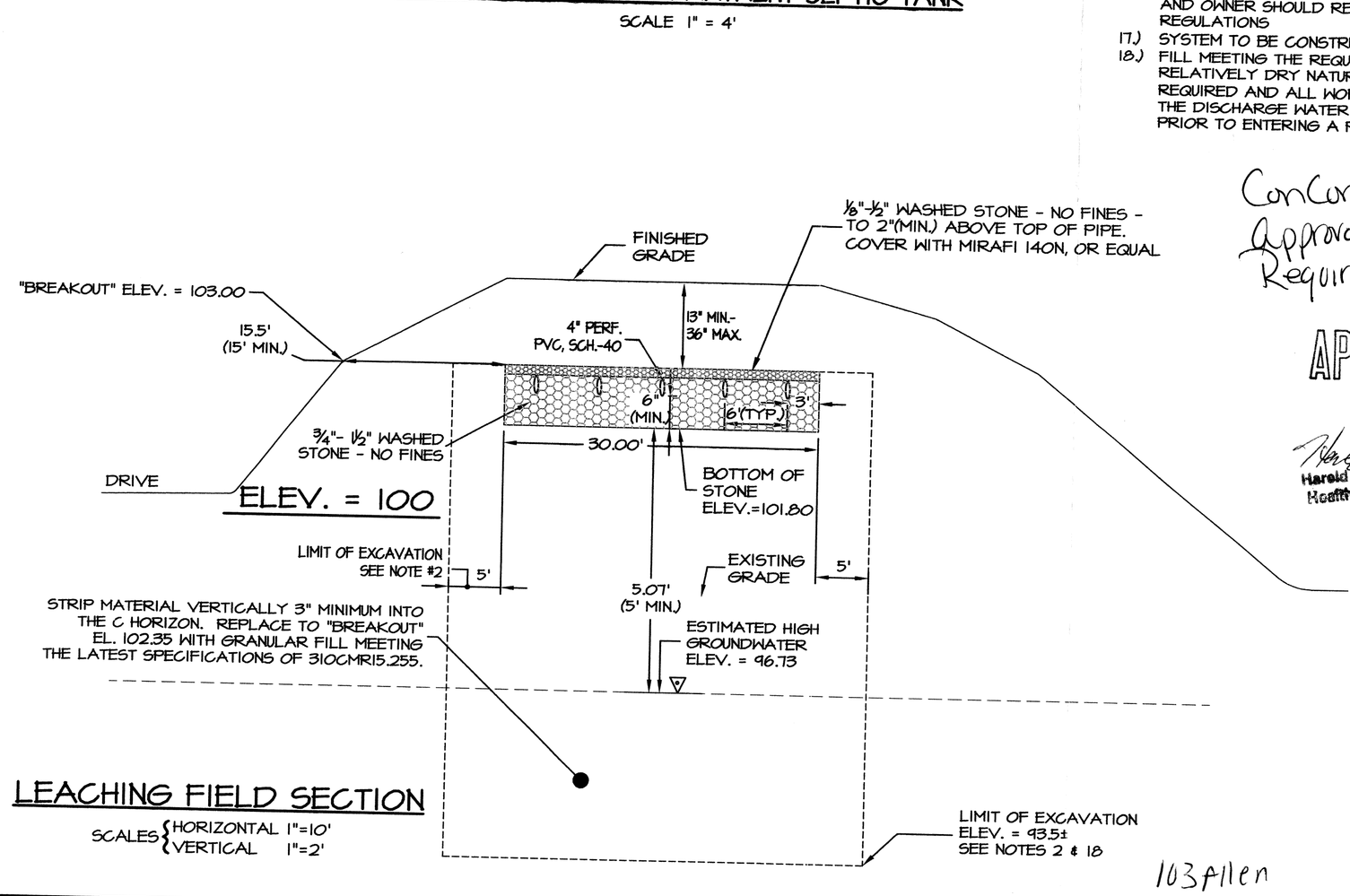
2,000 GALLON, 2 COMPARTMENT SEPTIC TANK

SCALE 1" = 4'



LEACHING TRENCH PROFILE

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



LEACHING FIELD SECTION

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

ConCom Approval Required 4/28/05

APPROVED

Harold E. Chenevert Jr.
Health Agent

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
H.D.P.E.	HIGH DENSITY POLYETHYLENE 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
P. L.	PROPERTY LINE
-x-CLF-x-	CHAIN LINK FENCE
ST	SEPTIC TANK
DB	DISTRIBUTION BOX
	DEEP OBSERVATION HOLE

69-566

I CERTIFY THAT I CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP TO LOT 55 AND WAS INFORMED THAT TOWN WATER IS NOT CURRENTLY AVAILABLE AT THIS LOT.

103 Allen

COMMONWEALTH OF MASSACHUSETTS — ROBERT WM. CAPUTO No. 27837 — REGISTERED PROFESSIONAL ENGINEER

SEWAGE DISPOSAL SYSTEM
A.P. 3 - LOT 55
ALLEN AVENUE
SEEKONK, MASSACHUSETTS

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

DATE: MARCH 23, 2005

SHEET 1 OF 1