

EROSION & SEDIMENTATION CONTROL

1. ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK. STAKES ARE TO BE MAINTAINED ON SITE FOR ROUTINE MAINTENANCE AND IN THE EVENT OF UNANTICIPATED PROBLEMS REQUIRING EMERGENCY RESPONSE.
2. HAY BALES SHOULD BE INSTALLED IN ACCORDANCE WITH THE DETAILS PROVIDED. NO WORK IS TO OCCUR ON THE METLAND SIDE OF THE PERIMETER EROSION AND SEDIMENTATION CONTROLS. ALL PERIMETER CONTROLS SERVE AS THE PROJECT LIMIT OF DISTURBANCE.
3. NO STONES, BRUSH, CONSTRUCTION DEBRIS, LITTER, OR OTHER MATERIALS ARE TO BE DEPOSITED ON THE METLAND SIDE OF THE EROSION AND SEDIMENTATION CONTROLS.
4. ALL DISTURBED SOILS NOT DESIGNATED FOR OTHER SURFACE TREATMENT ARE TO BE LOADED AND SEEDS IMMEDIATELY FOLLOWING FINAL GRADING.
5. APPROPRIATE PRECAUTIONS SHOULD BE TAKEN TO PREVENT THE TRANSPORT OF SOIL OFF-SITE FROM CONSTRUCTION EQUIPMENT.
6. 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.
7. THE SPLIT RAIL FENCE WILL SERVE AS THE LIMIT OF LAWN AND FUTURE YARD ACTIVITIES AND SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION.

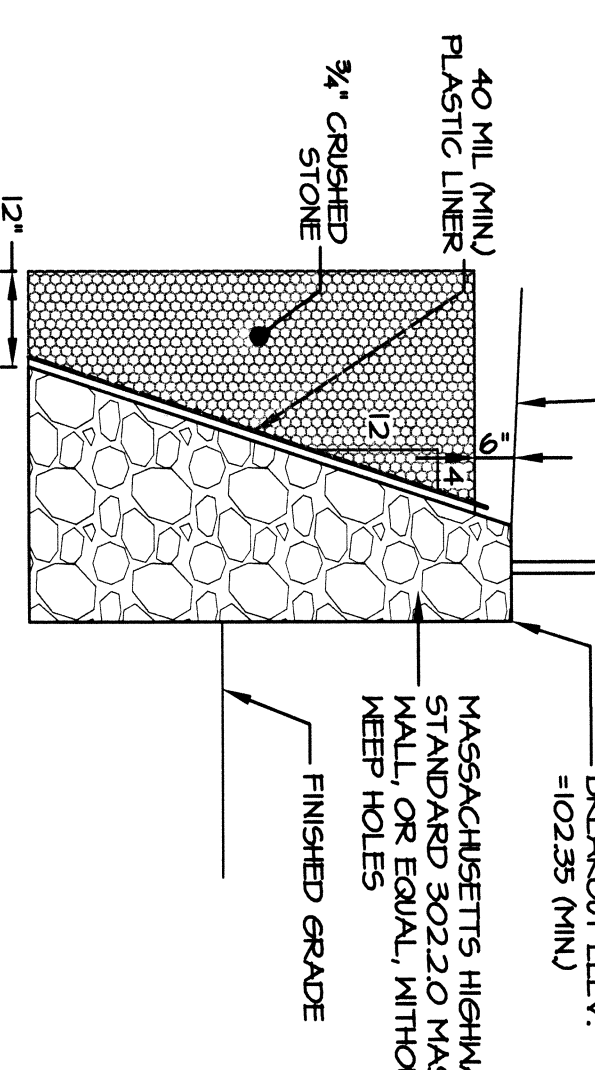
NOTES:

1. MASSACHUSETTS NATURAL HERITAGE AND ENDANGERED SPECIES PROSRAIRY PRIORITY AND ESTIMATED HABITAT POLICY, NOT PRESENT WITHIN PROPERTY LINES, AS MAPPED IN THE MASSACHUSETTS NATURAL HERITAGE ATLAS, 11TH EDITION.
2. METLAND 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 COMMUNITY PANEL NO. 250069 0005 A DATED SEPTEMBER 5, 1974.

DESIGN DATA

DAILY SEWAGE FLOW
 3 BEDROOMS
 DAILY FLOW = 110 GAL/BEDROOM = 330 GALLONS PER DAY (GPD)
 SEPTIC TANK REQUIREMENTS
 VOLUME = 2 x DAILY FLOW = 660 GALLONS
 USE 1500 GALLON SEPTIC TANK
 PERCOLATION RATE = 2 & 7/8 INCHES PER INCH
 DESIGN FOR 15 MINUTES PER INCH - SOIL TEXTURE CLASS - II (PER BOH)
 EFFLUENT LOADING RATE = 0.56 GALLONS PER SQUARE FOOT
 SIDEWALL AREA = 18' x 34' = 612 SQUARE FEET
 BOTTOM AREA = 18' x 34' = 612 SQUARE FEET
 TOTAL LEACHING AREA = 612 SQUARE FEET
 LEACHING CAPACITY
 = 612 S.F. x 0.56 GAL/DAY/S.F. = 343 GAL/DAY @ 330 GPD

IMPERVIOUS RETAINING WALL



HAY BALE DETAIL



DEEP OBSERVATION HOLE "13" LOG

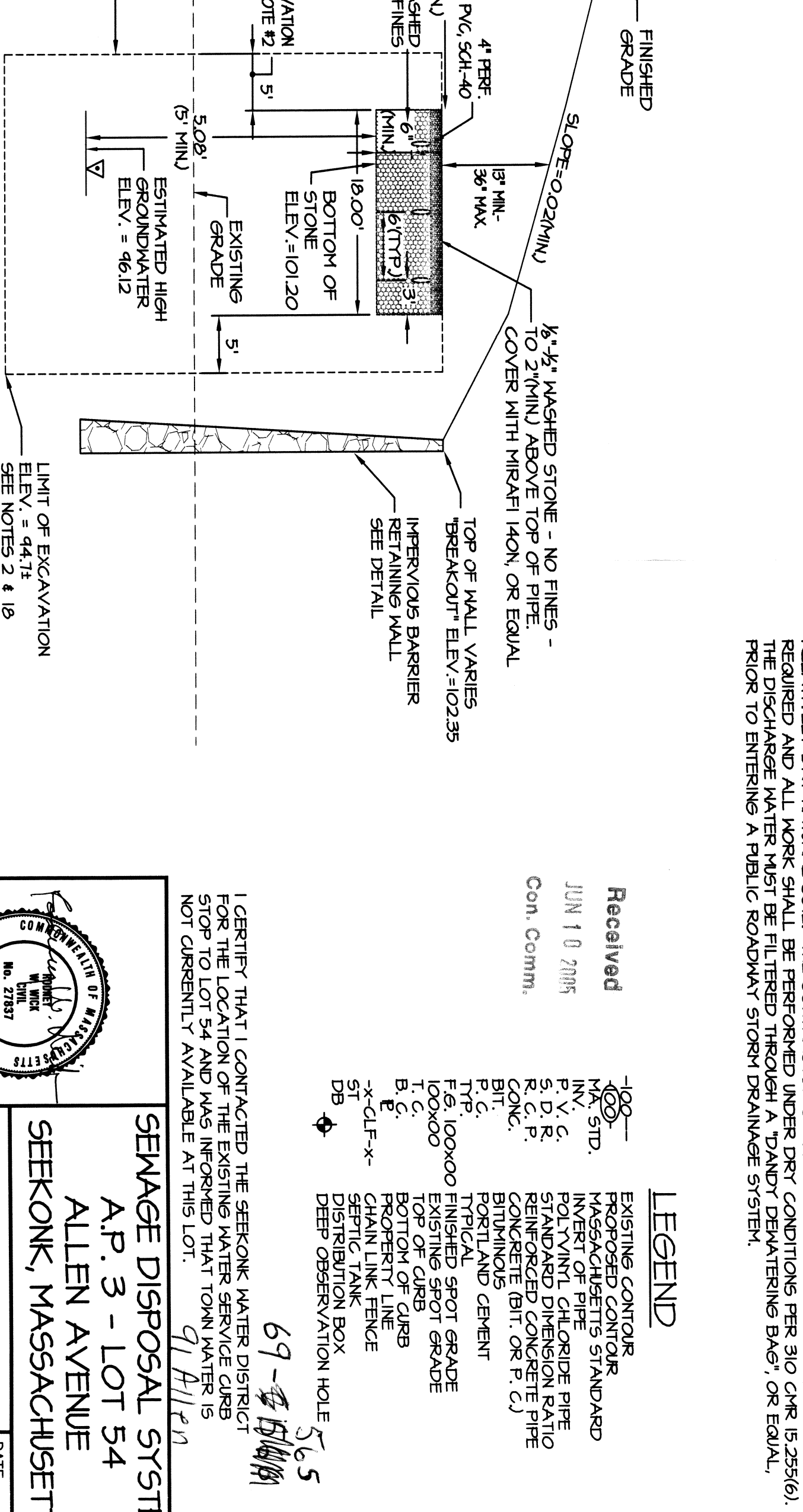
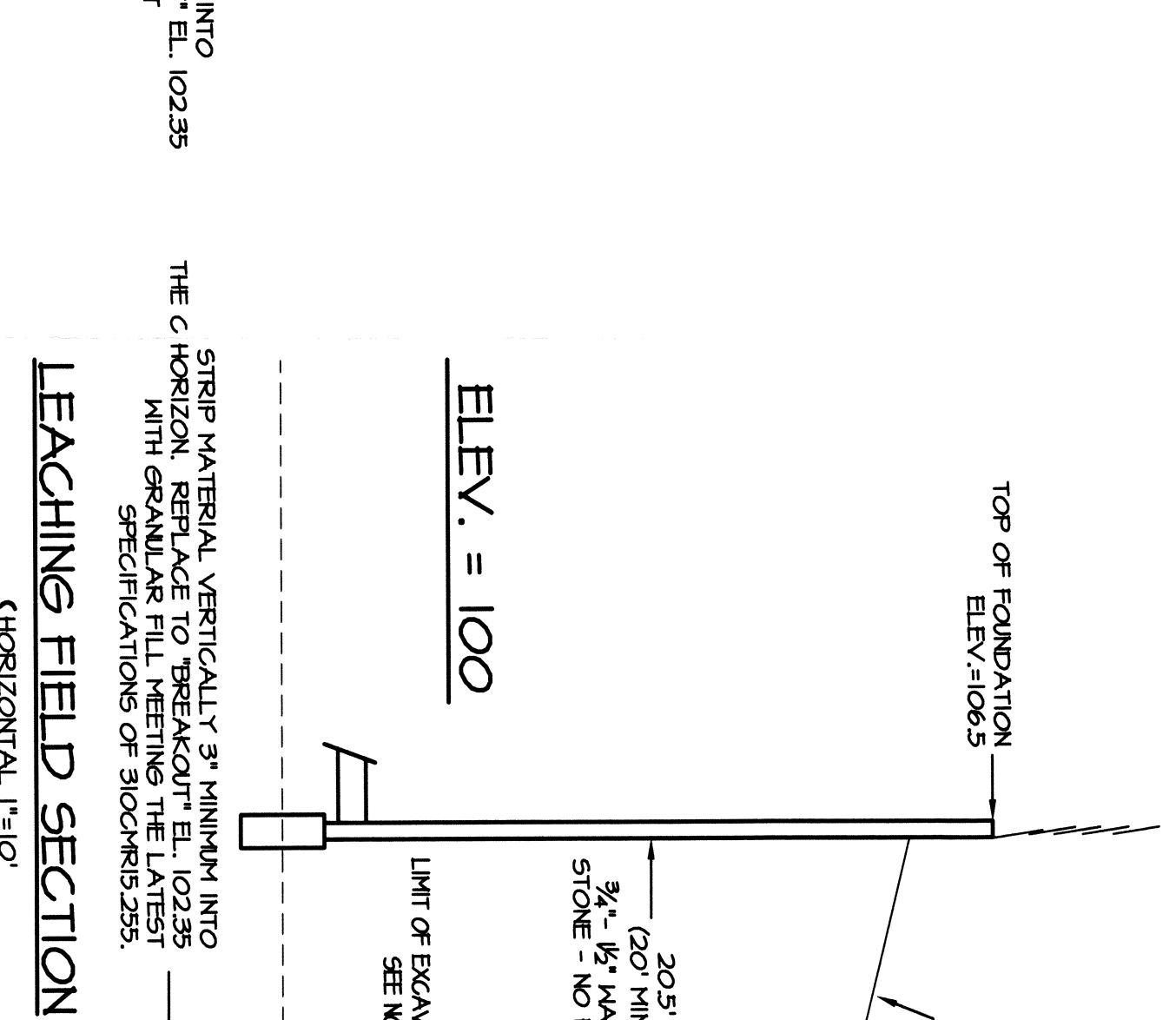
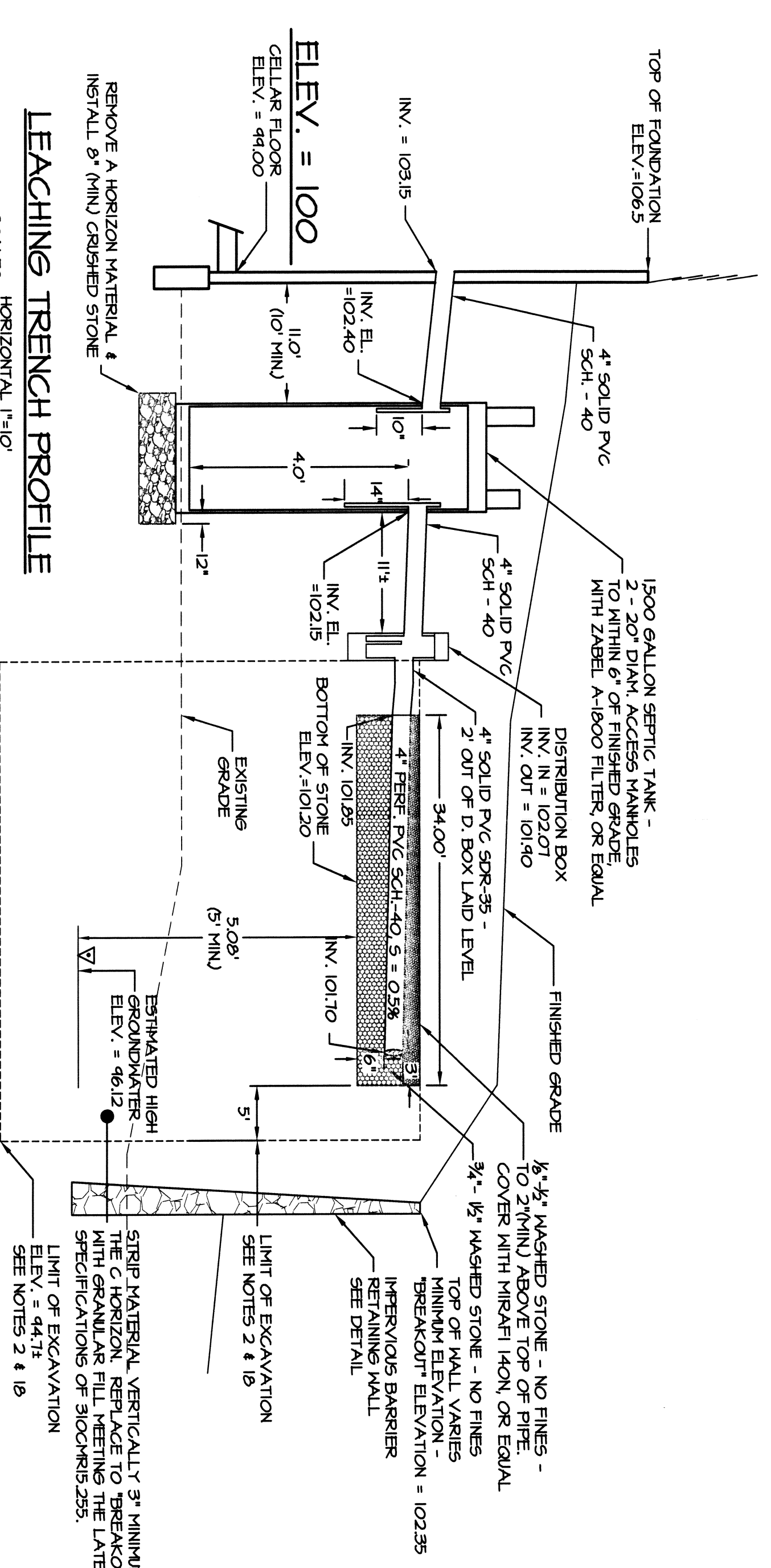
DEPTH	HORIZON	TEXTURE	COLOR	NOTINGS	OTHER
0' - 1'	A	SANDY LOAM	LOR 3/1	20'-LOR 5/8	COMMON
1' - 3'	B	LOAMY SAND	LOR 5/8		
3' - 6'	C	H - F. SAND	2S/ 6/2		
6' - 10'	C2	V.F. SAND	2S/ 6/2		
10' - 12'		STANDING GROUNDWATER - 6'			KEEPING GROUNDWATER - 6'
12' - 14'		OBSERVED GROUNDWATER - 11'			ESTIMATED HIGH GROUNDWATER - 11.5'
14' - 16'		PERC. RATE 0.56 INCH PER HOUR			DATE OF TEST - 4/16/04
		TESTING PERFORMED BY: DEAN MONROES			

DEEP OBSERVATION HOLE "4" LOG

DEPTH	HORIZON	TEXTURE	COLOR	NOTTINGS	OTHER
0' - 4'	A	SANDY LOAM	LOR 3/1	20'-LOR 6/8	COMMON
4' - 24'	B	LOAMY SAND	LOR 5/8		
24' - 36'	C	H - F. SAND	2S/ 6/2		
36' - 100'	C2	V.F. SAND	2S/ 6/2		
100' - 110'		STANDING GROUNDWATER - 14'			KEEPING GROUNDWATER - 68'
110' - 125'		OBSERVED GROUNDWATER - 14'			ESTIMATED HIGH GROUNDWATER - 14'
125' - 130'		PERC. RATE 0.56 INCH PER HOUR			DATE OF TEST - 4/16/04
		TESTING PERFORMED BY: DEAN MONROES			

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 IMPROVISED OR SPECIFIED SOIL IN THE AREA OF THE SYSTEM AND 5 FEET BEYOND HORIZONTALLY IN ALL DIRECTIONS, WHERE POSSIBLE, STRIP MATERIAL VERTICALLY 2" MINIMUM INTO THE C HORIZON. REPALCE TO BREAKOUT ELEV. 102.35 (MIN) WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310CMR15.05.
- 3) THE CONTRACTOR IS TO REMOVE ALL UNSUITABLE MATERIAL, BELOW THE PROPOSED SOIL ABSORPTION SYSTEM PRIOR TO INSTALLATION. SEE DEEP OBSERVATION HOLES SOIL DATA FOR ABBREVIATION SYSTEM PRIOR TO INSTALLATION.
- 4) PLACE BY MINIMUM COMPACTED GARBAGE STONE UNDER SEPTIC TANK AND DISTRIBUTION BOX. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY DESIGNER BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
- 5) INLET AND OUTLET TEES FOR SEPTIC TANK ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
- 6) IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
- 7) BREAKOUT ELEVATION = 102.35. NO FINISHED GRADE BELOW 102.35 FOR 15 FEET MINIMUM) FROM 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. ALL STONE USED FOR CONSTRUCTION OF THE SOIL ABSORPTION SYSTEM MUST BE AS SPECIFIED BY 310 CMR 15.241. STONE MUST BE WASHED REPEATEDLY UNTIL THIS SPECIFICATION IS MET. ACTUAL STONE MATERIAL MAY ALSO BE SUBJECT TO APPROVAL BY THE DESIGN ENGINEER AND/OR SEEKONK HEALTH AGENT.
- 8) MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL, AND/OR EQUIPMENT REQUIRED FROM DESIGNER PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROVIDE EVIDENCE FOR ALTERNATIVE EQUIPMENT MUST BE PROVIDED BY THE DESIGNER EXPRESSLY DISPLAYS 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 TO 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 PERFORM A RECORD DRAWING AS REQUIRED BY THE DESIGNER. RECORD DRAWING IS TO BE SUBMITTED TO THE BOARD OF HEALTH PRIOR TO CONSTRUCTION OF THE SYSTEM.
- 9) 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. 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 OR OWNER SHOULD REVIEW AND APPLY 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS TO THE SYSTEM.
- 10) FILL MEETING THE REQUIREMENTS OF 310 CMR 15.255(3) MUST BE PLACED ON SCARPED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEMATERIALING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS PER 310 CMR 15.255(6). THE DISCHARGE MATERIAL MUST BE FILTERED THROUGH A "DANDY" DEMATERIALING BAG, OR EQUAL, PRIOR TO ENTERING A PUBLIC ROADWAY STORM DRAINAGE SYSTEM.



LEGEND

100' - 110' STD.	EXISTING CONTOUR
110' - 120' STD.	PROPOSED CONTOUR
120' - 130' STD.	STANDARD
130' - 140' STD.	INVERT OF PIPE
140' - 150' STD.	POLYVINYL CHLORIDE PIPE
150' - 160' STD.	STANDARD DIVERSION RATIO
160' - 170' STD.	CONCRETE PIPE
170' - 180' STD.	SEWER (BIH) OR P.C.U
180' - 190' STD.	BIRMINGHAM
190' - 200' STD.	POSTLIND AND CEMENT
200' - 210' STD.	TRIPLE END SPOT GRADE
210' - 220' STD.	EXISTING SPOT GRADE
220' - 230' STD.	TOP OF CURB
230' - 240' STD.	SEWER INVERT
240' - 250' STD.	MANHOLE RING
250' - 260' STD.	SEPTIC TANK FENCE
260' - 270' STD.	SEPTIC TANK
270' - 280' STD.	DISTRIBUTION BOX
280' - 290' STD.	DEEP OBSERVATION HOLE

1) CERTIFY THAT I CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION AND HAS BEEN REVERED THAT TOWN WATER IS NOT CURRENTLY AVAILABLE AT THIS LOT.

69 - 5/10/04

36 S

1550 PAMTUCKET AVE
RUMFORD, R.I. 02916
401-434-8880

Received JUN 10 2005
Con. Comm.

SEEKONK, MASSACHUSETTS
ALLEN AVENUE
AP. 3 - LOT 54
CAPUTO AND WICK LTD.

SENAGE DISPOSAL SYSTEM
AP. 3 - LOT 54
ALLEN AVENUE
SEEKONK, MASSACHUSETTS

DATE: MAY 21 2005
SHEET: 1 OF 1