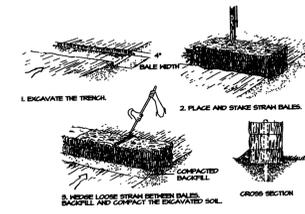


LOCATION MAP

0 2000
SCALE IN FEET



HAY BALE DETAIL

NOTES:

- ALL WORK SHALL CONFORM TO THE 310 CHR 15.00 STATE ENVIRONMENTAL CODE - TITLE 5 AND THE RULES AND REGULATIONS OF THE SEEKONK BOARD OF HEALTH.
- IN ACCORDANCE WITH 310 CHR 15.25(5), STRIP ALL UNSUITABLE MATERIAL (i.e. TOPSOIL, SUBSOIL, TREE ROOTS, STUMPS AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL). THE EXCAVATION AND REMOVAL OF THIS UNSUITABLE MATERIAL SHALL EXTEND A MINIMUM OF FIVE FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE SOIL ABSORPTION SYSTEM TO THE DEPTH OF NATURALLY OCCURRING PERVIOUS MATERIAL AS REQUIRED BY 310 CHR 15.240 AND REPLACE WITH GRANULAR FILL MATERIAL MEETING THE LATEST SPECIFICATIONS OF 310 CHR 15.25(3).
- ALL PIPE TO BE 4" P. V. C. SCHEDULE 40 UNLESS OTHERWISE NOTED.
- PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK AND DISTRIBUTION BOX.
- IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD., AND HEALTH AGENT BEFORE PROCEEDING WITH CONSTRUCTION.
- GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
- THE SEPTIC TANK IS TO BE INSPECTED TWICE A YEAR, AND CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
- BREAKOUT ELEVATION = 71.00. NO FINISHED GRADE BELOW 71.00 FOR 15 FEET (MINIMUM) FROM THE EDGE OF THE LEACHING AREA.
- 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.
- 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.
- ALL STONE USED FOR CONSTRUCTION OF THE SOIL ABSORPTION SYSTEM MUST BE DOUBLE WASHED AS SPECIFIED BY 310 CHR 15.241.
- ACTUAL STONE MATERIAL MAY ALSO BE SUBJECT TO APPROVAL BY THE DESIGN ENGINEER AND/OR SEEKONK HEALTH AGENT.
- 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 TO VERIFY THE LOCATION AND ELEVATION OF SYSTEM COMPONENTS AND PREPARE A RECORD DRAWING AS REQUIRED BY THE BOARD OF HEALTH.
- 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 CHR 15.00 AND LOCAL BOARD OF HEALTH REGULATIONS AND THE RESPONSIBILITY OF THE OWNER FOR PROPERLY MAINTAINING THE SYSTEM IN ACCORDANCE WITH 310 CHR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS.
- REFER TO 310 CHR 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 CHR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS.
- EXISTING SYSTEM IS TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HAULER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, REMOVE THE STRUCTURES AND FILL TO GRADE WITH CLEAN COMPACTED GRANULAR MATERIAL.

DESIGN DATA

DAILY SEWAGE FLOW
 PROPOSED BEDROOMS = THREE
 PERG. RATE = 2 M.P.L.
 DAILY FLOW = 110 GAL./DAY/BEDROOM x 3 BEDROOMS = 330 GALLONS PER DAY
 SEPTIC TANK REQUIREMENTS
 VOLUME = 2 x DAILY FLOW = 660 GALLONS - MINIMUM SIZE = 1500 GALLONS
 LEACHING AREA REQUIREMENTS
 PERCOLATION RATE = 2 MINUTES PER INCH - DESIGN FOR 5 MINUTES PER INCH - SOIL TEXTURE CLASS - I
 EFFLUENT LOADING RATE = 0.74 GAL. PER S. F.
 SIDEWALL AREA = 2 SIDES X 15' DEEP X 32' LONG = 96 SQUARE FEET
 = 2 SIDES X 15' DEEP X 12' WIDE = 36 SQUARE FEET
 BOTTOM AREA = 12' WIDE X 32' LONG = 384 SQUARE FEET
 TOTAL LEACHING AREA = 516 SQUARE FEET
 TOTAL LEACHING CAPACITY = 514 S. F. x 0.74 GAL/DAYS. F. = 382 GAL./DAY = 380 GPD

DEEP OBSERVATION HOLE "I" LOG

ELEV. = 74.2

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0 - 18"	Ap	SANDY LOAM	10 YR 3/5	-	MASSIVE FRIABLE
18" - 36"	Bu	SANDY LOAM	10 YR 4/6	-	MASSIVE FRIABLE
36" - 44"	Cg1	RED LOW SAND	10 YR 4/4	-	LOOSE SINGLE GRAIN
44" - 51"	Cg2	RED-FINE LOW SAND	2.5 Y 4/4	15 YR 5/0 @ 5"	SINGLE GRAIN, FRIABLE
51" - 160"	Cg3	MED-FINE SAND	2.5 Y 4/5	-	-

OBSERVED GROUNDWATER - NONE
 ESTIMATED HIGH GROUNDWATER - 4.26' FRIMTER (ELEV. - 70.0)
 PERG. RATE = 2 M.P.L. @ 30" - 34"
 WITNESS HAROLD CHEEVER, HEALTH AGENT
 TESTING PERFORMED BY: ALAN L. SHEAR, SOIL EVALUATOR
 DATE OF TESTS - 1/16/2002

FRIMTER CALCULATIONS

SITE OBSERVED GROUNDWATER = 14.0'
 SITE WATER LEVEL RANGE = 0.3'
 OBSERVATION HELL CURRENT - 4.26' (OCTOBER 4 NOVEMBER AVERAGE)
 OBSERVATION HELL MAXIMUM = 2.10'
 OBSERVATION HELL RANGE = 3.54'
 SITE ADJUSTED GROUNDWATER = 5c - $\frac{5(0.3c - 0.34c)}{0.34}$
 SITE ADJUSTED GROUNDWATER = 14.0' - $\frac{8.2(4.26 - 2.10)}{3.54}$ = 4.26'

EROSION & SEDIMENTATION CONTROL

- ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK.
- 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.
- HAY BALES SHOULD BE INSTALLED IN ACCORDANCE WITH THE DETAILS PROVIDED.
- 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.
- NO STONES, BRUSH, CONSTRUCTION DEBRIS, LITTER, OR OTHER MATERIALS ARE TO BE DEPOSITED ON THE WETLAND SIDE OF THE EROSION AND SEDIMENTATION CONTROLS.
- ALL DISTURBED SOILS NOT DESIGNATED FOR OTHER SURFACE TREATMENT ARE TO BE LOAMED AND SEEDED IMMEDIATELY FOLLOWING FINAL GRADING.
- APPROPRIATE PRECAUTIONS SHOULD BE TAKEN TO PREVENT THE TRANSPORT OF SOIL OFFSITE FROM CONSTRUCTION EQUIPMENT.
- 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.
- ALL TREE PRUNING AND TRIMMING NECESSARY TO CONSTRUCT ADDITION AND CONTACT ASSOCIATED SITE WORK TO BE COMPLETED PRIOR TO CONSTRUCTION.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- MASSACHUSETTS STANDARD
- INVERT OF PIPE
- P. V. C. POLYVINYL CHLORIDE PIPE
- S. D. R. STANDARD DIMENSION RATIO
- REINFORCED CONCRETE PIPE
- CONC. CONCRETE (BIT. OR P. C.)
- BIT. BITUMINOUS
- P. C. PORTLAND CEMENT
- TYPICAL
- F.G. 100x100 FINISHED SPOT GRADE
- 100x100 EXISTING SPOT GRADE
- T. C. TOP OF CURB
- B. BOTTOM OF CURB
- P. PROPERTY LINE
- x-CLF-x- CHAIN LINK FENCE
- ST SEPTIC TANK
- DB DISTRIBUTION BOX
- DOH DEEP OBSERVATION HOLE

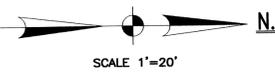
Received
 FEB 19 2003
 Con. Comm.

PLAT 25 SE 69-516
 LOT 134
 AREA = 33,350 S.F.
 OWNER:
 WEBSTER LARKIN
 890 NEWMAN AVENUE
 SEEKONK, MA.

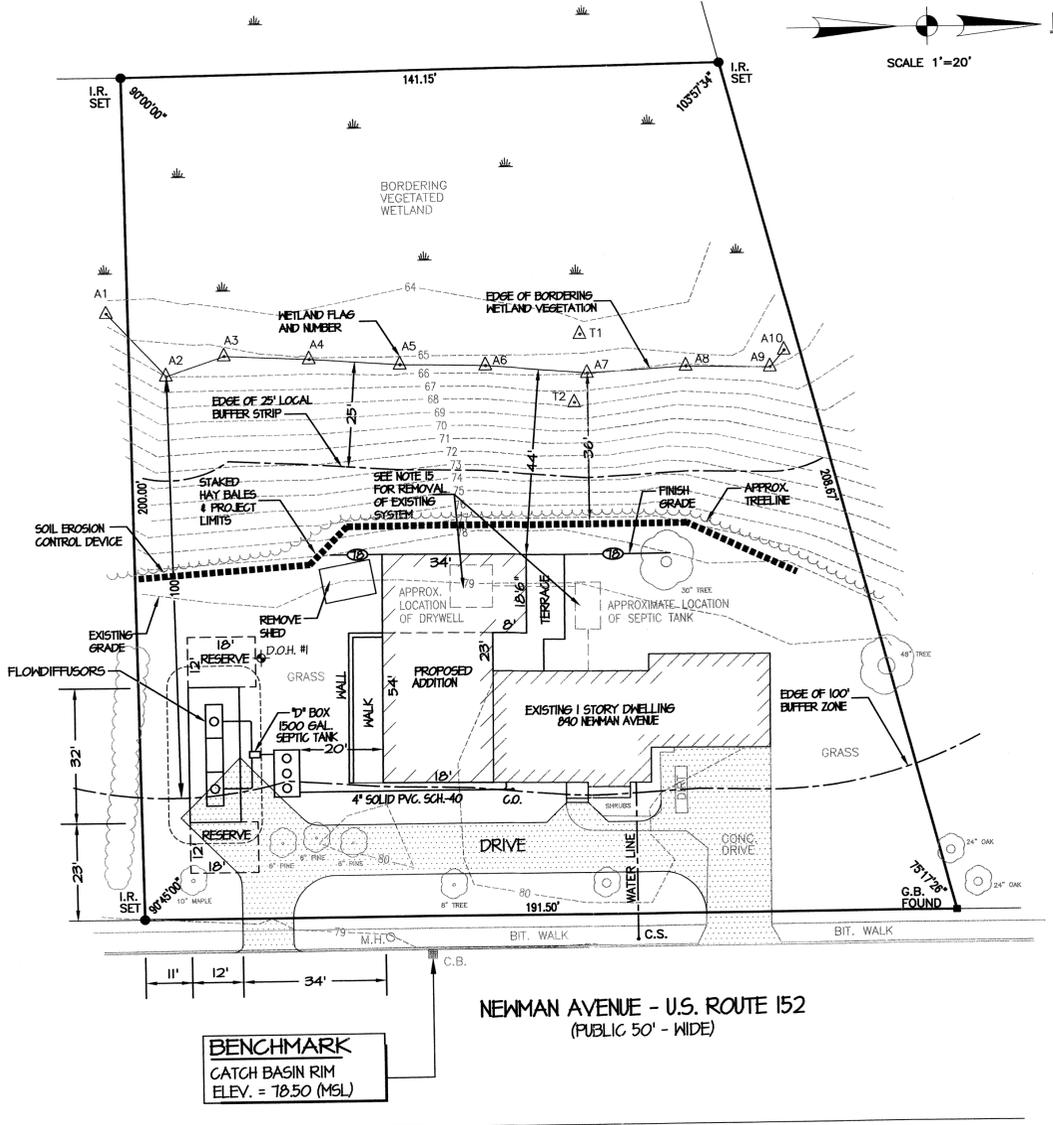
SEWAGE DISPOSAL SYSTEM
 WEBSTER K. LARKIN, SR.
 890 NEWMAN AVENUE
 SEEKONK, MASSACHUSETTS

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

DATE
 JANUARY 30, 2003
 SHEET
 1 OF 1

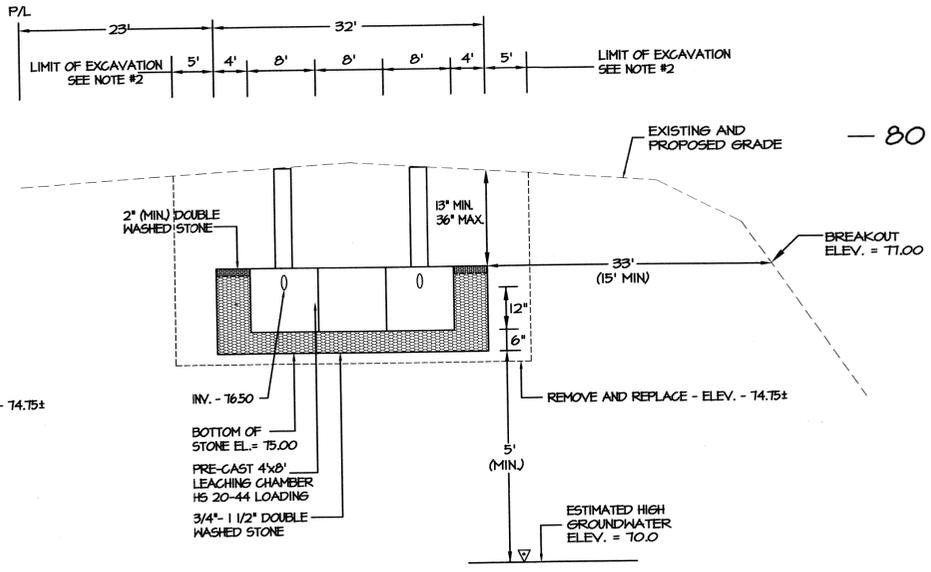


SCALE 1"=20'



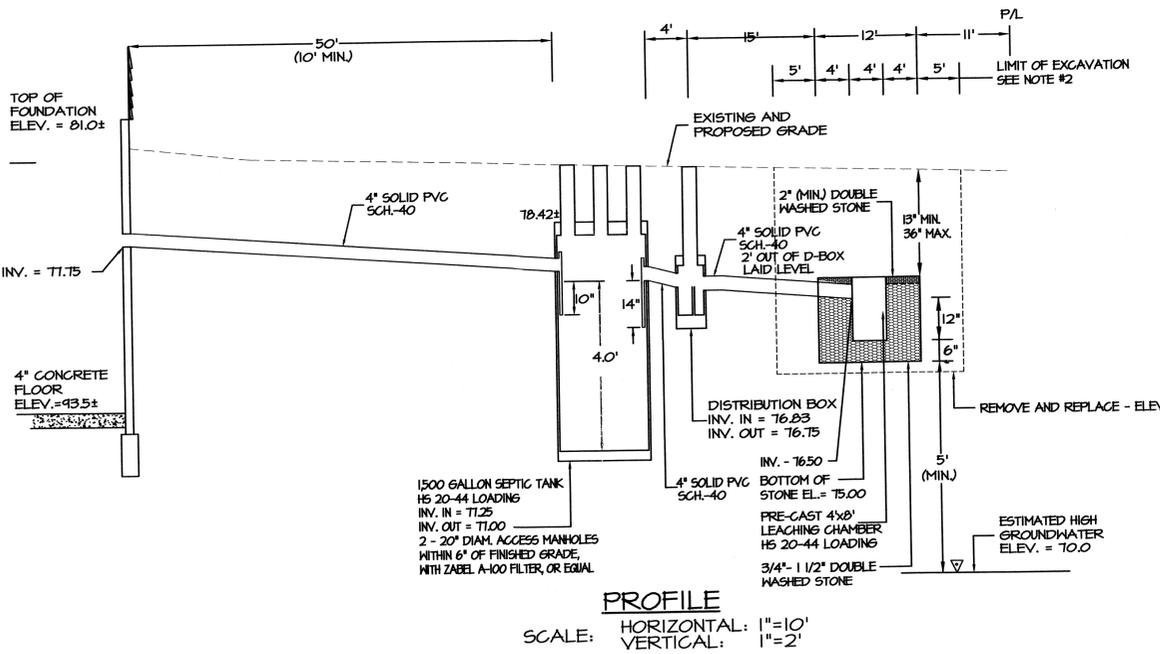
PLAN

SCALE: 1" = 20'



SECTION

SCALE: HORIZONTAL 1"=10'
 VERTICAL 1"=2'



PROFILE

SCALE: HORIZONTAL 1"=10'
 VERTICAL 1"=2'

BENCHMARK
 CATCH BASIN RIM
 ELEV. = 70.50 (MSL)

NEWMAN AVENUE - U.S. ROUTE 152
 (PUBLIC 50' - WIDE)

1500 GALLON SEPTIC TANK
 H5 20-44 LOADING
 INV. IN = 71.25
 INV. OUT = 71.00
 2 - 20" DIAM. ACCESS MANHOLES
 WITHIN 6" OF FINISHED GRADE,
 WITH ZABEL A-100 FILTER, OR EQUAL

4" SOLID PVC SCH-40
 BOTTOM OF STONE EL. = 75.00
 PRE-CAST 4x8' LEACHING CHAMBER
 H5 20-44 LOADING
 3/4" - 1 1/2" DOUBLE WASHED STONE

ESTIMATED HIGH GROUNDWATER
 ELEV. = 70.0

PRE-CAST 4x8' LEACHING CHAMBER
 H5 20-44 LOADING
 3/4" - 1 1/2" DOUBLE WASHED STONE

ESTIMATED HIGH GROUNDWATER
 ELEV. = 70.0