

EROSION AND 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 off site 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.

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 (AT LEAST 3" INTO THE G2 HORIZON, 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. REPLACE 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 CURSED 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 = 101.75. NO FINISHED GRADE BELOW 101.75 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 = THREE
 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 = 0.5 F.
 = 0.5 F.
 BOTTOM AREA = 10' x 50' = 500
 TOTAL LEACHING AREA = 500 SQUARE FEET
 TOTAL LEACHING CAPACITY = 500 S. F. x 0.74 GAL/DAY/S. F. = 370 GAL/DAY x 330 GPD

DEEP OBSERVATION HOLE #1

0	ELEV. 99.9
0	FILL
17"	A SANDY LOAM 10YR 3/4
27"	B LOAMY SAND 10YR 5/6
42"	C MED. SAND W/ STONE 10YR 4/6 10YR 4/3 - STRATIFIED FINE TO COARSE SAND, FINE GRAVEL
111"	WET

PERC. DEPTH: 42" / 54"
 PERC. RATE: 2 MINUTES PER INCH
 DATE: 6/16/2000
 WATER DEPTH: 36"
 DATE: 6/16/2000
 WITNESSES: MR. CHENEVERT
 PERFORMED BY: CAPUTO AND WICK
 MOTTLING @ 55' (47") ELEV. 95.3

DEEP OBSERVATION HOLE #2

0	ELEV. 100.5
12"	A SANDY LOAM 10YR 3/4
35"	B LOAM - SAND 10YR 4/4
	C FINE SAND 2.5Y 5/3
105"	N/A

PERC. DEPTH: 35" / 41"
 PERC. RATE: 2 MINUTES PER INCH
 DATE: 6/16/2000
 WATER DEPTH: N/A
 DATE: 6/16/2000
 WITNESSES: MR. CHENEVERT
 PERFORMED BY: CAPUTO AND WICK
 MOTTLING @ 48" ELEV. 96.5

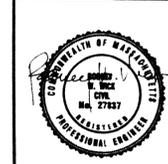
LEGEND

- 100- EXISTING CONTOUR
- 1000- 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
- CONG. CONCRETE (BIT. OR P. C.)
- BIT. BITUMINOUS
- P. C. PORTLAND CEMENT
- TYP. TYPICAL
- F. 6. 100x100 FINISHED SPOT GRADE
- 100x100 EXISTING SPOT GRADE
- T. C. TOP OF CURB
- B. C. BOTTOM OF CURB
- E. PROPERTY LINE
- x-CLF-x- CHAIN LINK FENCE
- ST. SEPTIC TANK
- DB. DISTRIBUTION BOX
- DEEP OBSERVATION HOLE
- EXISTING EDGE OF WOODS

ZONING INFORMATION

ASSESSOR'S PLAT 37
 LOT 41
 ZONE: R-4
 SETBACKS:
 FRONT YARD: 50'
 SIDE YARD: 35' / 45' PER STORY
 REAR YARD: 80'
 MAXIMUM HEIGHT: 3 STORIES OR 40 FEET
 MINIMUM AREA: 62,500 S.F.

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP FOR PLAT 37, LOT 41, AND THERE IS NO WATER SERVICE AVAILABLE FOR THIS PARCEL.

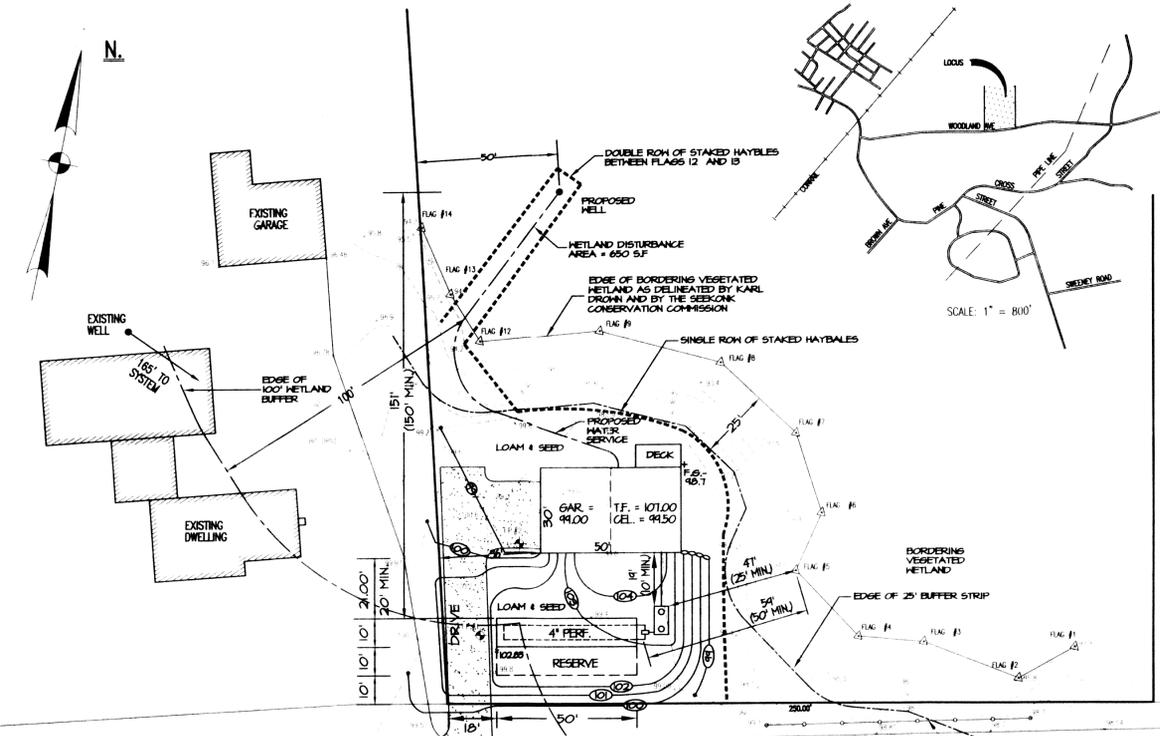
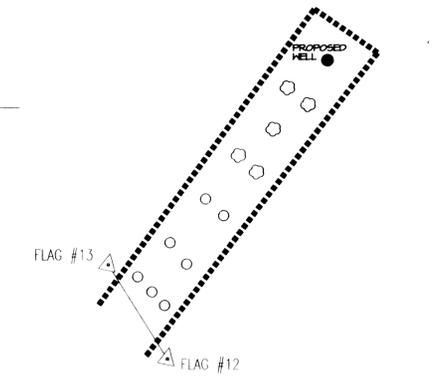
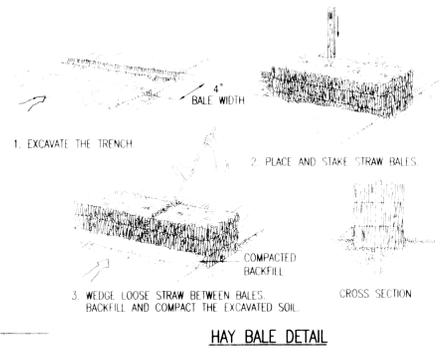


64-450

SEPTEMBER 11, 2000

SEWAGE DISPOSAL SYSTEM
 GUSTAV KLEGRAEFFE
 WOODLAND AVENUE
 SEEKONK, MASSACHUSETTS

CAPUTO AND WICK LTD. DATE: SEPTEMBER 11, 2000
 1150 PAWTUCKET AVE. RUMFORD, R.I. 02916 SHEET 1 OF 1
 401-434-8880

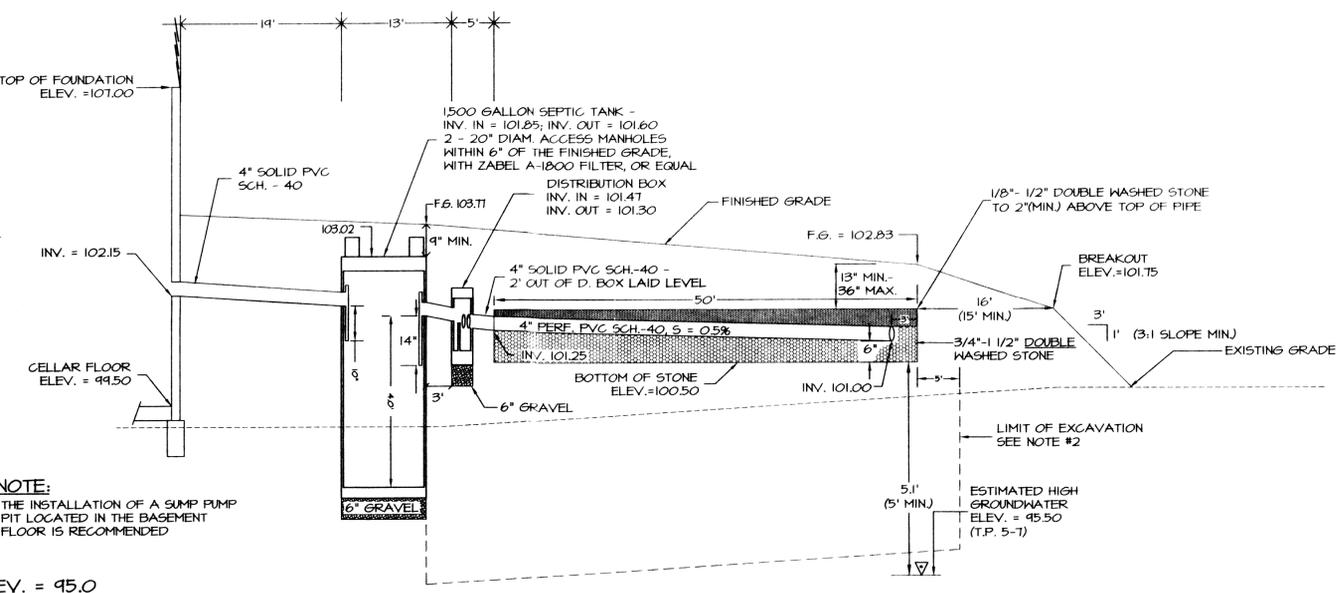


WOODLAND AVENUE

PLAN

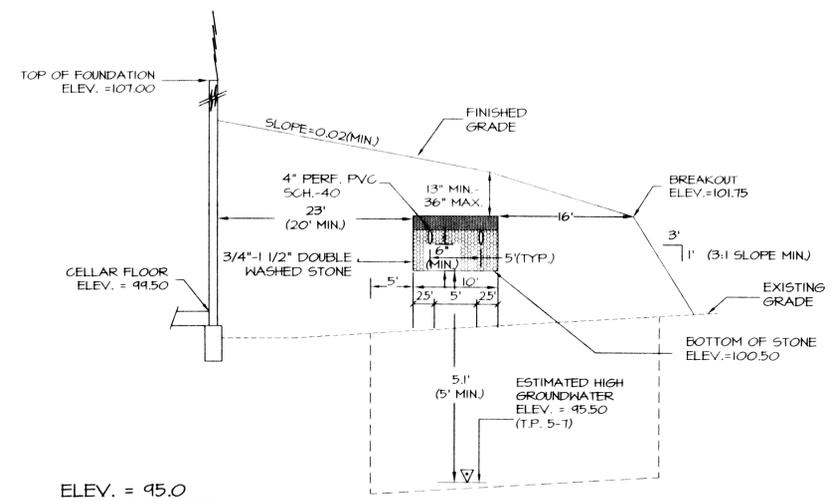
SCALE: 1" = 30'

BENCH MARK
 TOP OF NAIL @ ROAD
 ELEV. = 100.00 (ASSUMED)



LEACHING FIELD PROFILE

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



LEACHING FIELD SECTION

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

ELEV. = 95.0

ELEV. = 95.0

Final Plan