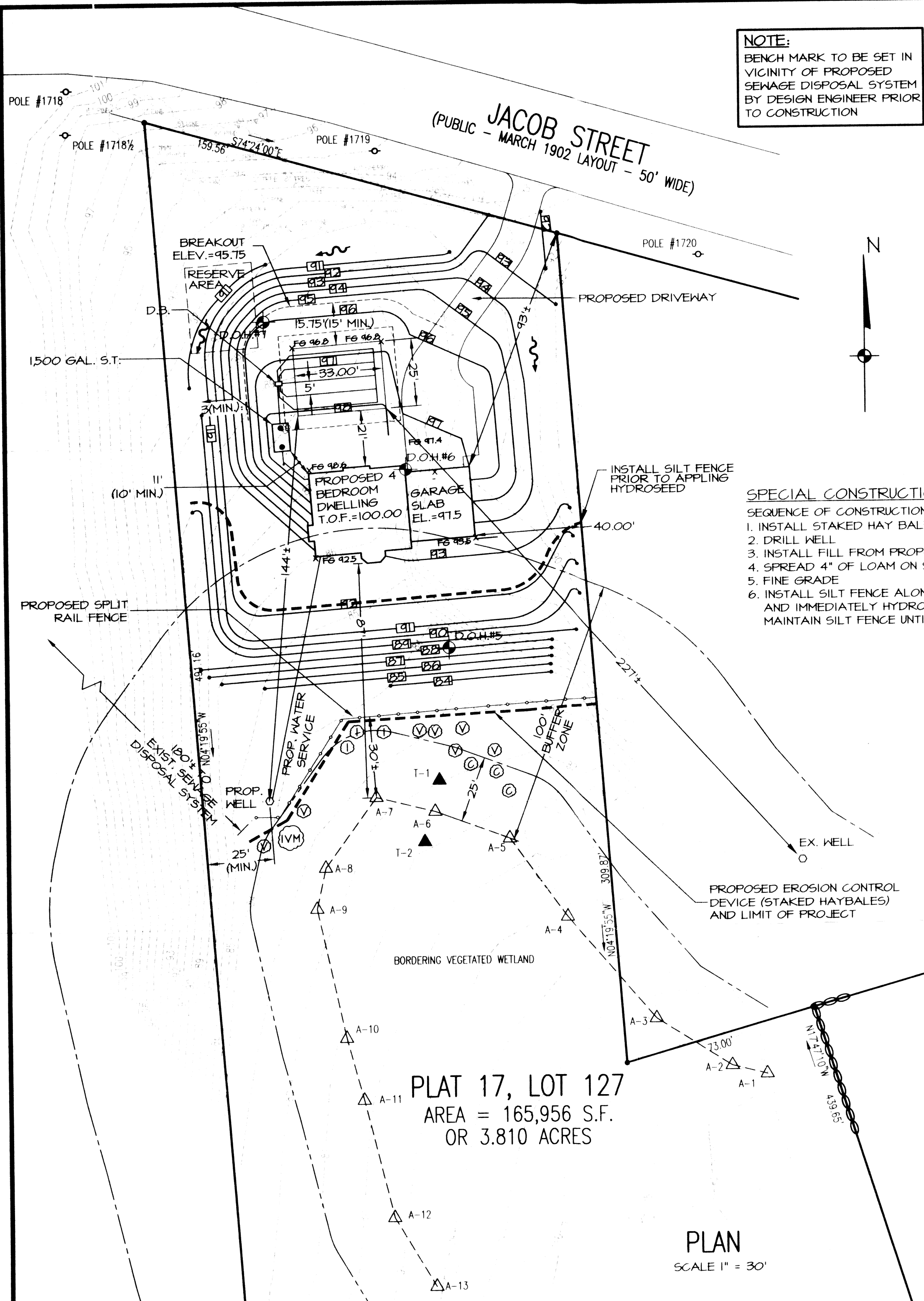


NOTE:
BENCH MARK TO BE SET IN VICINITY OF PROPOSED SEWAGE DISPOSAL SYSTEM BY DESIGN ENGINEER PRIOR TO CONSTRUCTION



PLAT 17, LOT 127
AREA = 165,956 S.F.
OR 3.810 ACRES

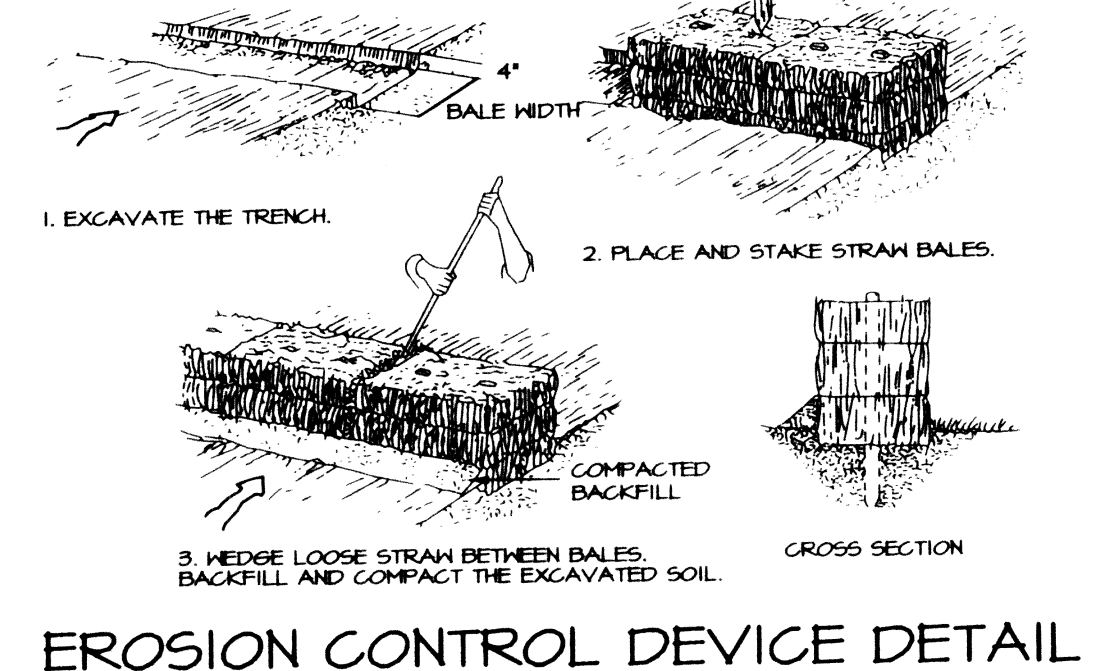
PLAN
SCALE: 1" = 30'

PLANTING SCHEDULE

QUANTITY	COMMON NAME	SCIENTIFIC NAME	SIZE
I 3	WINTERBERRY (FEMALE)	ILEX VERTICILLATA	3-4" BxB
IVM 1	WINTERBERRY (MALE)	ILEX VERTICILLATA	3-4" BxB
V 7	NORTHERN ARROWWOOD	VIBURNUM RECOGNITUM	2-3" BxB
C 3	SILKY DOGWOOD	CORNUS AMOMUM	2-3" BxB

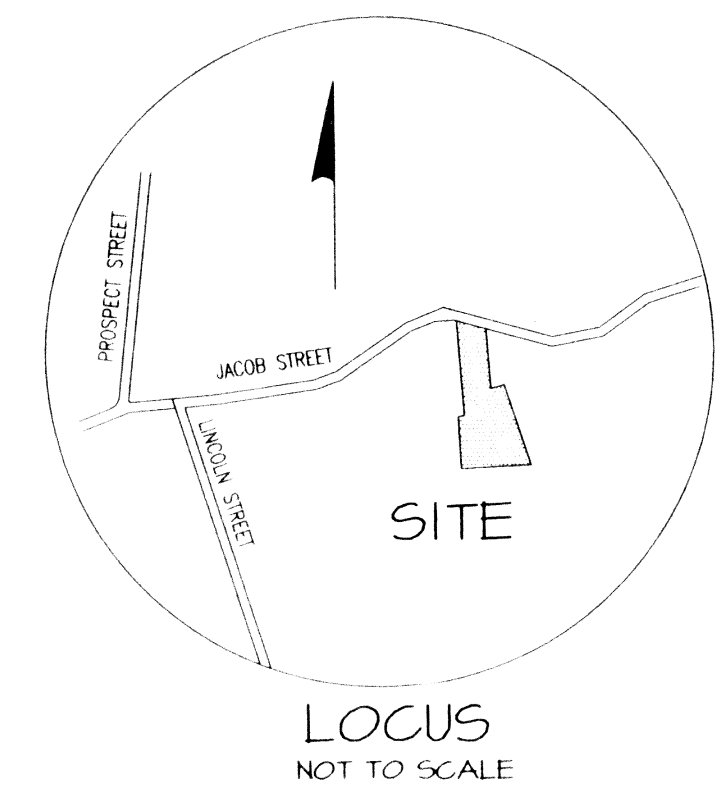
EROSION & SEDIMENTATION CONTROL

- 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.



EROSION CONTROL DEVICE DETAIL

Received
SEP 24 2001
Con. Comm.



NOTES:

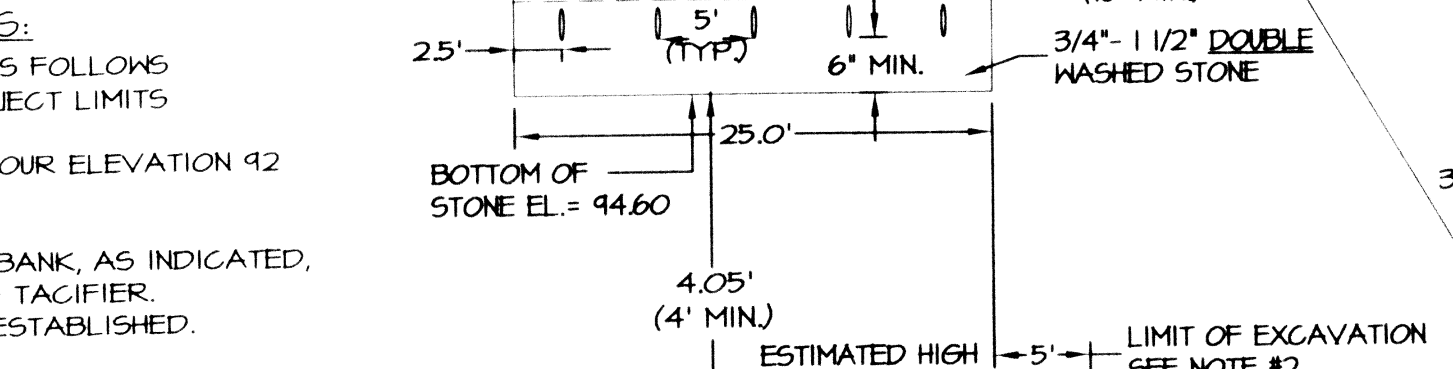
- ALL WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE - TITLE 5 AND THE RULES AND REGULATIONS OF THE SEEKONK BOARD OF HEALTH.
- STRIP ALL TOPSOIL, SUBSOIL AND UNSUITABLE MATERIAL, AT LEAST 12" INTO THE Gd2 HORIZON, TREE ROOTS AND STUMPS AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL IN THE 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).
- 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. BEFORE PROCEEDING WITH CONSTRUCTION.
- GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
- IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
- BREAKOUT ELEVATION = 95.75. NO FINISHED GRADE BELOW 95.75 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 CMR 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.

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 = 12 MINUTES PER INCH - DESIGN FOR 15 MINUTES PER INCH - SOIL TEXTURE CLASS - II
EFFLUENT LOADING RATE = 0.56 GAL. PER S. F.
SIDEWALL AREA = N/A
BOTTOM AREA = 33' x 25' = 825 SQUARE FEET
TOTAL LEACHING AREA = 825 SQUARE FEET
TOTAL LEACHING CAPACITY = 825 S. F. x 0.56 GAL./DAY/S. F. = 462 GAL./DAY > 440 GPD

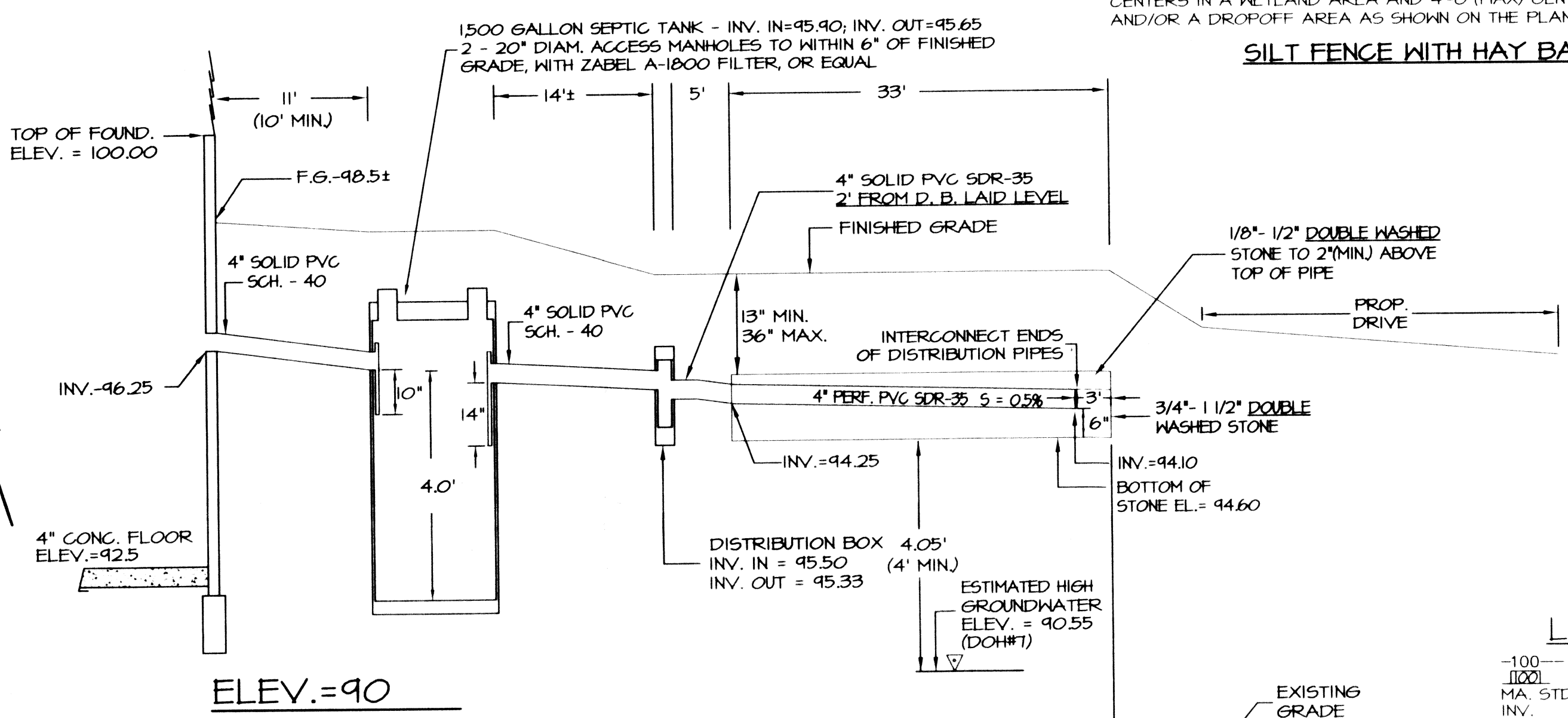


- SPECIAL CONSTRUCTION NOTES:**
SEQUENCE OF CONSTRUCTION WILL BE AS FOLLOWS
- INSTALL STAKED HAY BALES AT PROJECT LIMITS
 - DRILL WELL
 - INSTALL FILL FROM PROPOSED CONTOUR ELEVATION 92
 - SPREAD 4" OF LOAM ON SLOPE.
 - FINE GRADE
 - INSTALL SILT FENCE ALONG TOP OF BANK, AS INDICATED, AND IMMEDIATELY HYDRO-SEED WITH TAGIFIER. MAINTAIN SILT FENCE UNTIL LAWN IS ESTABLISHED.

ELEV. = 90

LEACHING FIELD SECTION

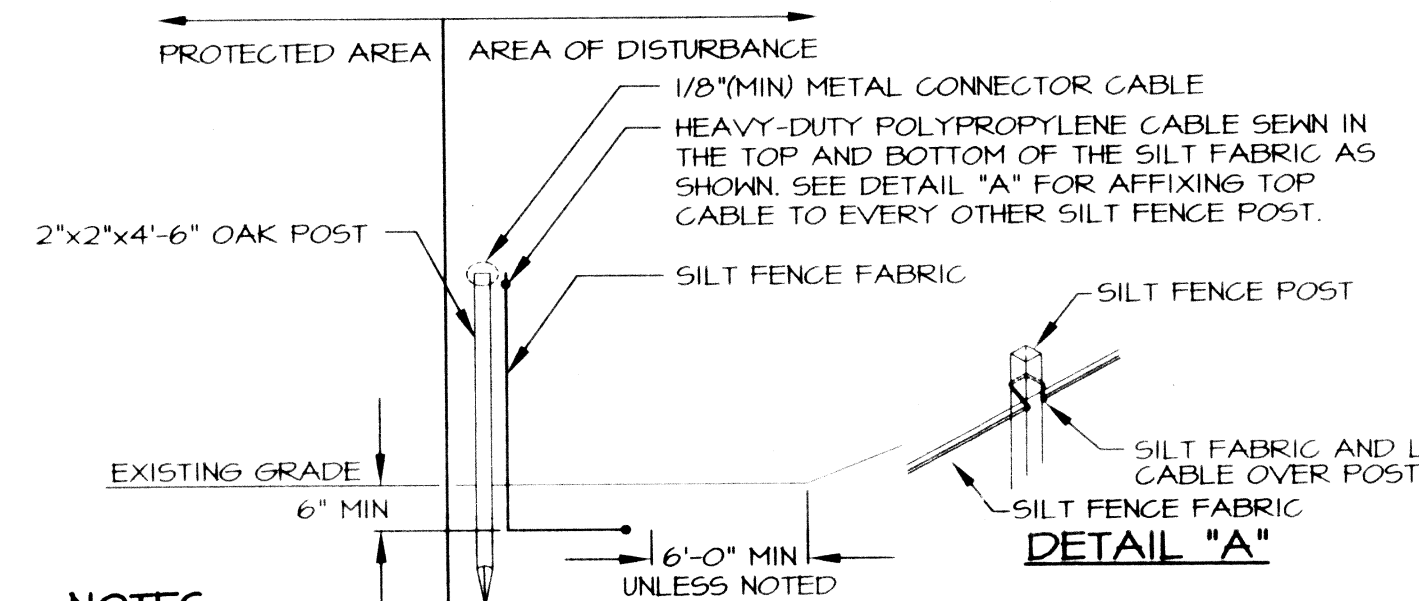
SCALE: HORIZONTAL 1" = 10'
VERTICAL 1" = 2'



ELEV. = 90

LEACHING FIELD PROFILE

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



NOTES:

- THOROUGHLY COMPACT EXCAVATED SOILS BACK INTO THE TRENCH AFTER INSTALLATION OF EROSION CONTROL DEVICES.
- SILT FENCE FABRIC SHALL NOT BE SLIT AND THE HAY BALE POSTS ARE TO BE DRIVEN THROUGH THE SILT FENCE FABRIC.
- 2"x2"x4'-6" OAK STAKE FOR THE SILT FENCE SHALL BE LOCATED ON 8'-0" (MAX) CENTERS IN A WETLAND AREA AND 4'-0" (MAX) CENTERS IN A WETLAND REVINE, GULLY AND/OR A DROPOFF AREA AS SHOWN ON THE PLANS.

SILT FENCE WITH HAY BALES

DEEP OBSERVATION HOLE #5

ORIGINAL GRADE = 83.21

DEPTH	SOIL DESCRIPTION	REMARKS
0	Ap SANDY LOAM - MASSIVE, FRIABLE 10 YR 3/3	
15"	Bw SANDY LOAM - MASSIVE, FRIABLE 10 YR 5/4	
24"	Cd1 SANDY LOAM - 25 Y 4/3 GRAVELLY, MASSIVE, FIRM	
70"	Cd2 SANDY LOAM - 25 Y 4/3 GRAVELLY, MASSIVE, FRIABLE	
135"	BOTTOM OF HOLE	

PERC. DEPTH: 66" - 84"
PERC. RATE: 25 MINUTES PER INCH
DATE: 8/18/99 & 8/19/99 (OVERNIGHT SOAK)
WATER DEPTH: 0"
DATE: 3/14/2000
EST. HIGH GW: 0" (ELEV. -83.27)

DEEP OBSERVATION HOLE #6

ORIGINAL GRADE = 81.27

DEPTH	SOIL DESCRIPTION	REMARKS
0	Ap SANDY LOAM - GRANULAR, FRIABLE 10 YR 3/3	
10"	Bw SANDY LOAM - MASSIVE, FRIABLE 10 YR 5/4	REMOVE
36"	Cd1 SANDY LOAM - 25 Y 4/3 GRAVELLY, MASSIVE, FIRM	
70"	Cd2 SANDY LOAM - 25 Y 4/3 GRAVELLY, MASSIVE, FRIABLE	
132"	BOTTOM OF HOLE	

PERC. DEPTH: 10" - 88"
PERC. RATE: 4 MINUTES PER INCH
DATE: 8/18/99
WATER DEPTH: 0"
DATE: 3/14/2000
EST. HIGH GW: 0" (ELEV. -81.27)

DEEP OBSERVATION HOLE #7

ORIGINAL GRADE = 90.55

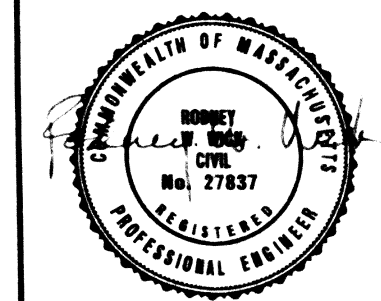
DEPTH	SOIL DESCRIPTION	REMARKS
0	Ap SANDY LOAM - GRANULAR, FRIABLE 10 YR 3/3	
9"	Bw SANDY LOAM - MASSIVE, FRIABLE 10 YR 5/4	REMOVE
24"	Cd1 SANDY LOAM - 25 Y 4/3 GRAVELLY, MASSIVE, FIRM	
72"	Cd2 SANDY LOAM - 25 Y 4/3 GRAVELLY, MASSIVE, FRIABLE	
132"	BOTTOM OF HOLE	

PERC. DEPTH: 12" - 84"
PERC. RATE: 12 MINUTES PER INCH
DATE: 8/19/99
WATER DEPTH: 0"
DATE: 3/14/2000
EST. HIGH GW: 0" (ELEV. -90.55)

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
- CONC. CONCRETE (BIT OR P. C.)
- BIT. BITUMINOUS
- P. C. PORTLAND CEMENT
- TYP. TYPICAL
- F.6. 100X00 FINISHED SPOT GRADE
- 100X00 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

PREPARED FOR:
MONARCH BUILDERS, INC.
P.O. BOX 250
REHOBOTH, MA.



SEWAGE DISPOSAL SYSTEM
PLAT 17, LOT 127
JACOB STREET
SEEKONK, MASSACHUSETTS

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

Received
SEP 24 2001
Con. Comm.

TESTING WITNESSED BY: MR. CHENEVERT, SEEKONK BOARD OF HEALTH
TESTING PERFORMED BY: CAPUTO AND WICK LTD. 69-477

REV. SEPTEMBER 24, 2001

DATE: JULY 2001
SHEET: 1 OF 1