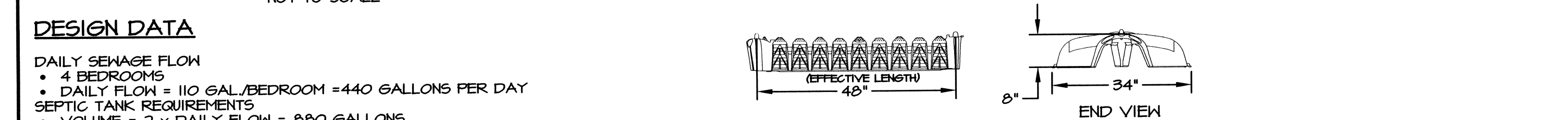
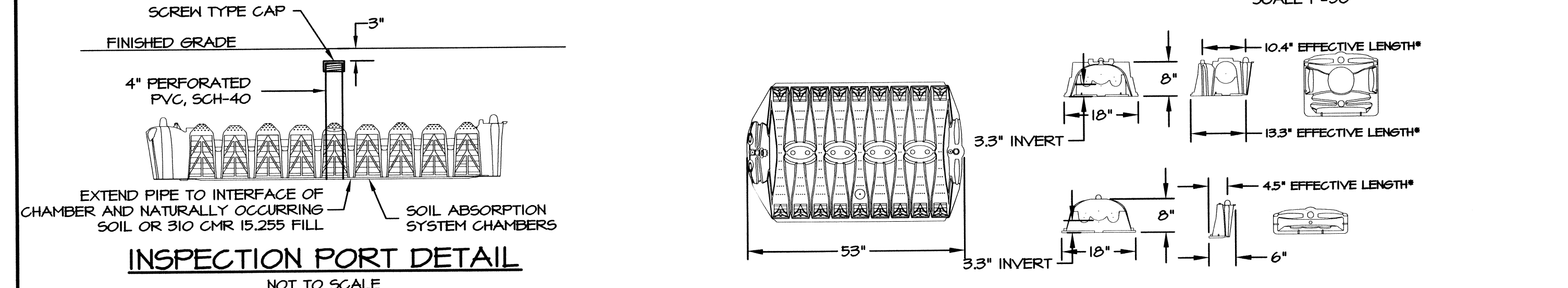


ELEVATION SCHEDULE		
DESCRIPTION	ELEVATION	
INVERT AT FOUNDATION	148.10	
INVERT IN - SEPTIC TANK	147.85	
INVERT OUT - SEPTIC TANK	147.60	
INVERT IN - DIST. BOX	147.35	
INVERT OUT - DIST. BOX	147.10	
INVERT BEGINNING CHAMBERS	147.28	
ELEV. TOP OF CHAMBERS (BREAKOUT)	147.67	
ELEV. BOTTOM OF CHAMBERS	147.00	
EST. SEASONAL HIGH GW	142.66	

- NOTES:**
- 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, TREE ROOTS AND STUMPS AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL IN THE AREA OF THE SYSTEM AND 5 FEET HORIZONTALLY BEYOND THE EDGE OF THE SYSTEM STONE IN ALL DIRECTIONS, WHERE POSSIBLE. STRIP MATERIAL VERTICALLY 3" MINIMUM INTO THE NATURALLY OCCURRING PERVIOUS MATERIAL. THE CONTRACTOR IS TO REMOVE ALL UNSUITABLE MATERIAL BELOW THE PROPOSED SOIL ABSORPTION SYSTEM PRIOR TO INSTALLATION. SEE DEEP OBSERVATION HOLES SOIL DATA FOR FURTHER INFORMATION. REPLACE WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310 CMR 15.25(3). ACTUAL FILL MATERIAL IS SUBJECT TO APPROVAL BY THE DESIGN ENGINEER AND/OR SEEKONK HEALTH AGENT. THE DESIGN ENGINEER AND/OR THE SEEKONK HEALTH AGENT MAY ALSO REQUIRE A SIEVE ANALYSIS OF THE FILL MATERIAL.
 - UNDESIRABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310 CMR 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.
 - SOIL TESTING FOR THIS PROJECT HAS BEEN PERFORMED BY DEAN MONSEES AND WITNESSED BY THE SEEKONK BOARD OF HEALTH AGENT, HAROLD CHENEVERT, JR. ADDITIONAL TESTING HAS BEEN PERFORMED BY CAPUTO AND WICK, LTD. AND WITNESSED BY BETH HALLAM, SEEKONK BOARD OF HEALTH AGENT. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
 - GARAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
 - INLET AND OUTLET TEES FOR SEPTIC TANK ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
 - SEPTIC TANK AND DISTRIBUTION BOX SHALL BE DESIGNED FOR H-10, AND SHALL BE PROTECTED FROM VEHICULAR TRAFFIC BOTH DURING AND AFTER INSTALLATION.
 - IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH. EFFLUENT FILTER MUST BE CLEANED AT LEAST ONCE PER YEAR.
 - BREAKOUT ELEVATION = 147.67. NO FINISHED GRADE BELOW 147.67 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 BEST AVAILABLE EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
 - EXISTING AND PROPOSED WATER WELLS FOUND WITHIN 200' OF PROPOSED SEWAGE DISPOSAL SYSTEM ARE SHOWN. EXISTING AND PROPOSED SEWAGE DISPOSAL SYSTEMS FOUND WITHIN 200' OF PROPOSED WATER WELL ARE SHOWN.
 - MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT REQUIRED FROM ENGINEER AND THE BOARD OF HEALTH PRIOR TO CONSTRUCTION. FILL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR.
 - 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 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 AND OWNER SHOULD REVIEW AND APPLY 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS SYSTEM TO BE CONSTRUCTED BY AN INSTALLER LICENSED BY THE SEEKONK BOARD OF HEALTH.
 - FILL MEETING THE REQUIREMENTS OF 310 CMR 15.25(3) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DENATURING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS PER 310 CMR 15.25(6).
 - 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.
 - INSTALL MAGNETIC TAPE OVER ALL PIPE AND SYSTEM COMPONENTS.

- EROSION & SEDIMENTATION CONTROL NOTES:**
- ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK.
 - ACCESSIBLE RESERVES OF HAY BALES AND STACKS 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 LOANED AND SEEDED IMMEDIATELY FOLLOWING FINAL GRADINGS.
 - 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.
 - THE SPLIT RAIL FENCE SERVES AS THE LIMIT OF LAWN AND FUTURE YARD ACTIVITIES AND SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION.



DESIGN DATA

DAILY SEWAGE FLOW

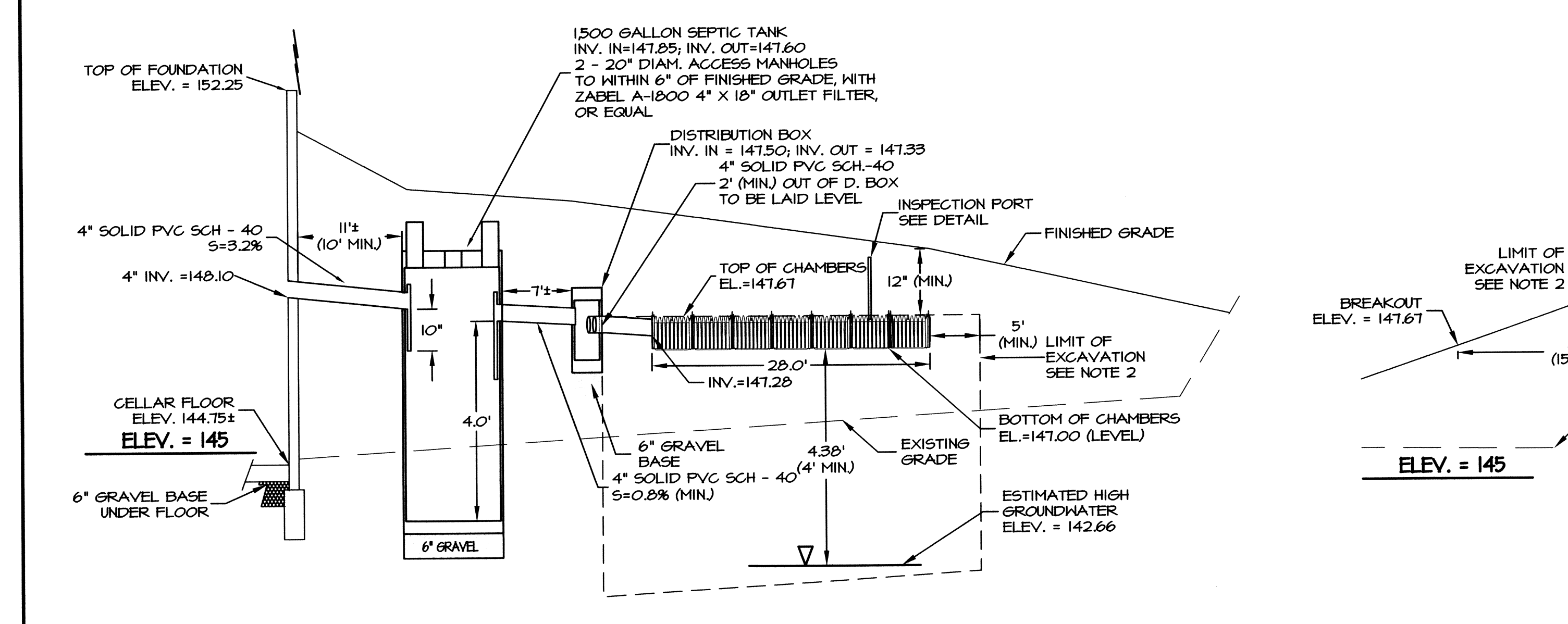
- 4 BEDROOMS
- DAILY FLOW = 110 GAL./BEDROOM = 440 GALLONS PER DAY

SEPTIC TANK REQUIREMENTS

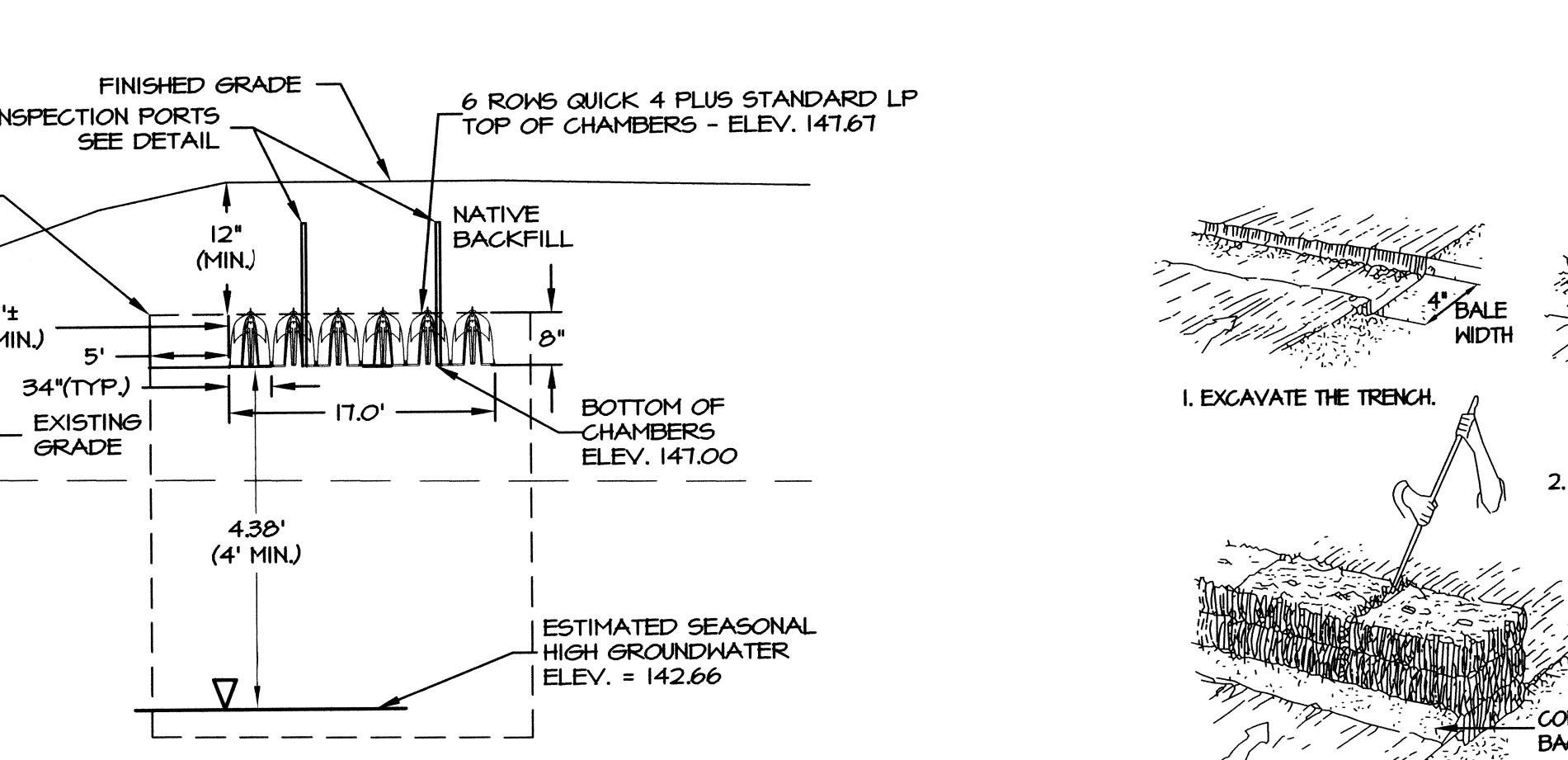
- VOLUME = 2 X DAILY FLOW = 880 GALLONS
- USE 1500 GALLON SEPTIC TANK

LEACHING AREA REQUIREMENTS

- PERCOLATION RATE = 11 MINUTES PER INCH - SOIL TEXTURE CLASS II
- EFFLUENT LOADING RATE = 0.56 GALLONS PER SQUARE FOOT
- USE INFILTRATOR QUICK 4 PLUS STANDARD LP (3.3 INCH)
- IN FIELD CONFIGURATION - EFFECTIVE LEACHING AREA = 4.73 SF/LF
- PROVIDE 6 ROWS WITH 7 CHAMBERS PER ROW - 42 UNITS
- TOTAL LEACHING AREA = 42 CHAMBERS X 4 LF/CHAMBER = 168 LF
- TOTAL LEACHING CAPACITY = 168 LF X 4.73 SF/LF = 795 SF.
- 795 SF. X 0.56 GAL/SF = 445 GAL/DAY > 440 GPD



QUICK4 PLUS STANDARD LOW PROFILE CHAMBER BED PROFILE DETAIL
 SCALES: HORIZONTAL 1"=10'
 VERTICAL 1"=2'



QUICK4 PLUS STANDARD LOW PROFILE CHAMBER BED SECTION DETAIL
 SCALES: HORIZONTAL 1"=10'
 VERTICAL 1"=2'

LOT 6 - DEEP OBSERVATION HOLE 00-16-A
 ORIGINAL ELEVATION - 144.4

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
+3 - 0	O						
0 - 3"	A	SANDY LOAM					
3" - 24"	B	SANDY LOAM					
24" - 120"	C	LOAMY SAND	2.5 Y 6/3		66° COMM.	10 YR 6/8	20% GRAVEL, SOME COBBLES

OBSERVED GROUNDWATER - NONE
 FRIMPTER ADJUSTMENT 0.48"
 PERC. RATE = 11 MPI @ 66°

WEEPING FROM PIT FACE - NONE
 ESTIMATED S.H.G.W. = 144.4 - (3.42-0.48) = 141.48
 REMOVE TO C HORIZON

GROUNDWATER READING 3/23/2001 - 41"
 COMMENT: PROVIDE 2" (MIN.) CMR 310 15.241 FILL

LOT 6 - DEEP OBSERVATION HOLE 00-16-B
 ORIGINAL ELEVATION - 143.5

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
+3 - 0	O						
0 - 3"	A	SANDY LOAM					
3" - 36"	B	SANDY LOAM					
36" - 120"	C	LOAMY SAND	2.5 Y 6/3		66° COMM.	10 YR 6/8	20% GRAVEL, SOME COBBLES

OBSERVED GROUNDWATER - NONE
 FRIMPTER ADJUSTMENT 0.48"
 PERC. RATE = 10 MPI @ 66°

WEEPING FROM PIT FACE - NONE
 ESTIMATED S.H.G.W. = 143.5 - (2.5-0.48) = 141.48
 REMOVE TO C HORIZON

GROUNDWATER READING 3/23/2001 - 30"
 COMMENT: PROVIDE 2" (MIN.) CMR 310 15.241 FILL

TEST HOLE 00-16 A&B PERFORMED BY DEAN MONSEES ON 9/7/00 AND WITNESSED BY HAROLD CHENEVERT, JR., SEEKONK BOARD OF HEALTH

LOT 6 - DEEP OBSERVATION HOLE 1
 ORIGINAL ELEVATION - 145.14

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
0 - 22"	FILL						
22" - 38"	Bw	SANDY LOAM			MASSIVE	FRAGILE	GRAVELLY, COBBLY, SOME FILL IN SPOTS
38" - 142"	Cd	SANDY LOAM	2.5 Y 4/4		MASSIVE	FRAGILE	GRAVELLY, COBBLY, STONY

OBSERVED STANDING GROUNDWATER - NONE
 PERC. @ 46° + 18° = 10 MPI

OBSERVED WEEPING GROUNDWATER - NONE
 REMOVE TO INTO Cd HORIZON

ESTIMATED SEASONAL HIGH GW - 53" (ELEV. 140.72)
 DESIGN FOR CLASS II SOIL

LOT 6 - DEEP OBSERVATION HOLE 2
 ORIGINAL ELEVATION - 146.35

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
0 - 14"	FILL						
14" - 21"	A	SANDY LOAM			MASSIVE	FRAGILE	GRAVELLY
21" - 44"	Bw	SANDY LOAM			MASSIVE	FRAGILE	GRAVELLY
44" - 138"	Cd	SANDY LOAM	2.5 Y 4/3		MASSIVE	FRAGILE	GRAVELLY, COBBLY, STONY

OBSERVED STANDING GROUNDWATER - NONE
 PERC. @ 46° + 18° = 10 MPI

OBSERVED WEEPING GROUNDWATER - NONE
 REMOVE TO INTO Cd HORIZON

ESTIMATED SEASONAL HIGH GW - 54" (ELEV. 141.85)
 DESIGN FOR CLASS II SOIL

LOT 6 - DEEP OBSERVATION HOLE 3
 ORIGINAL ELEVATION - 145.91

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
0 - 12"	FILL						
12" - 34"	Bw	SANDY LOAM			MASSIVE	FRAGILE	GRAVELLY
34" - 135"	Cd	SANDY LOAM	2.5 Y 4/3		MASSIVE	FRAGILE	GRAVELLY, COBBLY, STONY

OBSERVED STANDING GROUNDWATER - NONE
 PERC. @ 52° + 18° = 9 MPI

OBSERVED WEEPING GROUNDWATER - NONE
 REMOVE TO INTO Cd HORIZON

ESTIMATED SEASONAL HIGH GW - 39" (ELEV. 142.66)
 DESIGN FOR CLASS II SOIL

LOT 6 - DEEP OBSERVATION HOLE 4
 ORIGINAL ELEVATION - 145.66

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
0 - 16"	FILL						
16" - 39"	Bw	SANDY LOAM			MASSIVE	FRAGILE	GRAVELLY
39" - 132"	Cd	SANDY LOAM	2.5 Y 4/4		MASSIVE	FRAGILE	GRAVELLY, COBBLY, STONY

OBSERVED STANDING GROUNDWATER - NONE
 PERC. @ 52° + 18° = 9 MPI

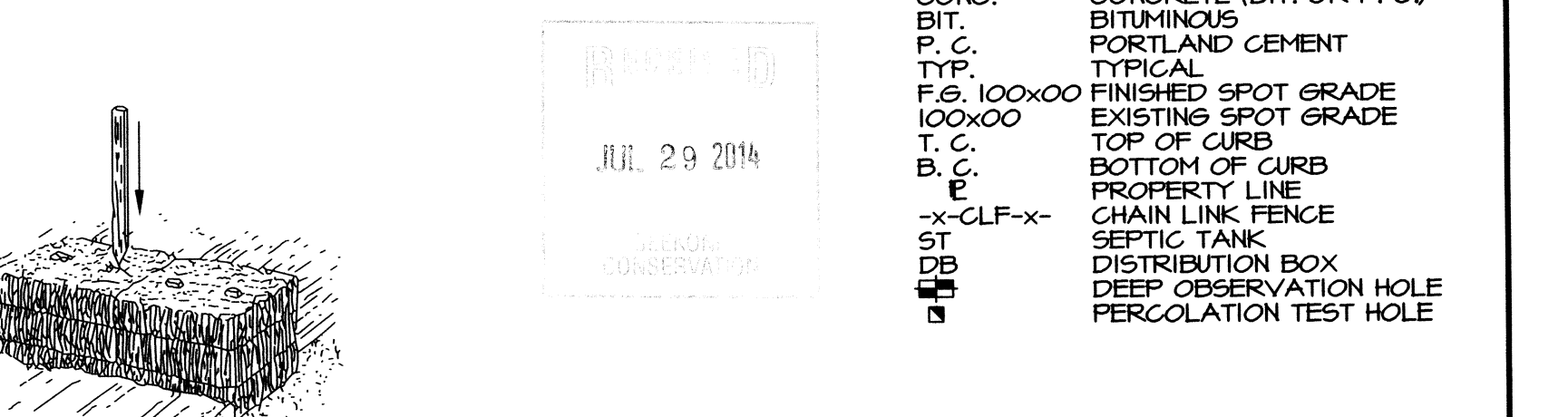
OBSERVED WEEPING GROUNDWATER - NONE
 REMOVE TO INTO Cd HORIZON

ESTIMATED SEASONAL HIGH GW - 40" (ELEV. - 142.33)
 DESIGN FOR CLASS II SOIL

WITNESS: BETH HALLAM, SEEKONK BOARD OF HEALTH TESTING PERFORMED BY CAPUTO AND WICK LTD. ON OCTOBER 21, 2013

LOT INFORMATION

11 LINDSEY COURT
 ASSESSORS PLAT NO. 26, LOT 162
 HOLLAND WOODS LOT 6
 ZONE - R-4
 AREA = 78,232 S.F.
 PROPERTY OWNER - H. CHARLES TAPALIAN



I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP FOR PLAT 26, LOT 162 AND WAS INFORMED THAT THERE IS NO CURB STOP CURRENTLY FOR THIS LOT. THE PROPOSED DIEMELL WILL BE STOP BY A PRIVATE WELL TO BE INSTALLED IN CONFORMANCE WITH THE SEEKONK BOARD OF HEALTH REGULATIONS.

SEWAGE DISPOSAL SYSTEM
 11 LINDSEY COURT
 ASSESSORS PLAT 26 - LOT 162
 SEEKONK, MASSACHUSETTS

CAPUTO AND WICK LTD.
 Land Surveying, Civil Engineering,
 Environmental Services, Traffic Engineering
 and Architectural Engineering

1150 PAWBUCKET AVE.
 BURLINGTON, RI 02916-1897
 TEL: 401-434-8888
 FAX: 401-434-1615

DATE: JUNE 2014
 SHEET: 1