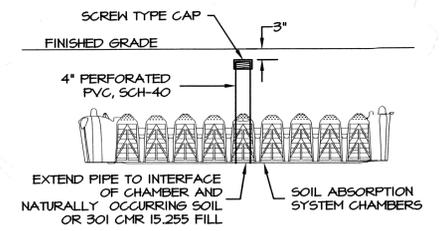
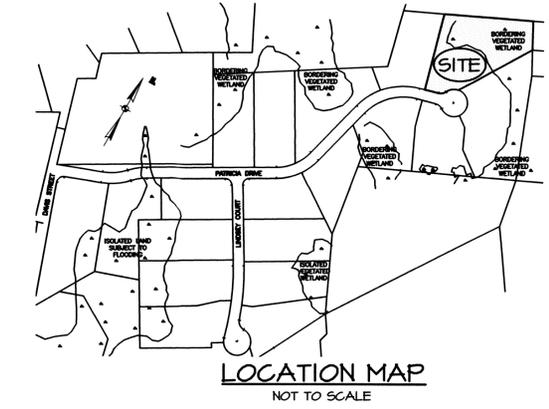


- NOTES:**
- WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE - TITLE 5 AND THE RULES AND REGULATIONS OF THE SEEKONK BOARD OF HEALTH. STRIP ALL TOPSOIL, SUBSOIL AND UNSUITABLE MATERIAL, TREE ROOTS AND STUMPS AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL IN THE AREA OF THE SYSTEM AND 5 FEET 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 15.255(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.
 - UNSUITABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310 CMR 15.255(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.
 - SOIL TESTING FOR THIS PROJECT WAS PERFORMED BY DEAN MONSEES AND WITNESSED BY THE SEEKONK BOARD OF HEALTH AGENT, HAROLD CHENEVERT, JR. ADDITIONAL TESTING WAS PERFORMED BY CAPUTO AND WICK, LTD. AND WITNESSED BY BETH HALLAL, 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.**
 - GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
 - INLET AND OUTLET TESTS FOR SEPTIC TANK ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
 - SEPTIC TANK AND DISTRIBUTION BOX SHALL BE DESIGNED FOR 15-10, 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.
 - BREAKOUT ELEVATION = 164.00. NO FINISHED GRADE BELOW 164.00 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 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. FULL 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 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.
 - KEEPING THE REQUIREMENTS OF 310 CMR 15.255(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 15.255(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 FLUORESCENT TAPE OVER ALL PIPE AND SYSTEM COMPONENTS.



INSPECTION PORT DETAIL
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

LOT 16 - DEEP OBSERVATION HOLE 1
ORIGINAL ELEVATION - 162.6

| DEPTH | HORIZON | TEXTURE | COLOR | MOTTLING | STRUCTURE | CONSISTENCE | OTHER |
|------------|---------|------------|-----------|----------|-----------|-------------|------------------------------|
| 0 - 7" | A | SANDY LOAM | 10 YR 4/4 | | MASSIVE | FRIBLE | GRAVELLY |
| 7" - 32" | Bw | SANDY LOAM | 10 YR 5/6 | | MASSIVE | FRIBLE | GRAVELLY |
| 32" - 124" | Cd | SANDY LOAM | 2.5 Y 4/3 | | MASSIVE | FRIBLE | GRAVELLY, COBBLY, VERY STONY |

OBSERVED STANDING GROUNDWATER - NONE
ESTIMATED SEASONAL HIGH GW - 36" + 18" = 7 MPI
OBSERVED WEeping GROUNDWATER - NONE
REMOVE TO INTO Cd HORIZON
DESIGN FOR CLASS II SOIL

LOT 16 - DEEP OBSERVATION HOLE 2
ORIGINAL ELEVATION - 161.3

| DEPTH | HORIZON | TEXTURE | COLOR | MOTTLING | STRUCTURE | CONSISTENCE | OTHER |
|------------|---------|------------|-----------|----------|-----------|-------------|------------------------------|
| 0 - 4" | A | SANDY LOAM | 10 YR 4/4 | | MASSIVE | FRIBLE | GRAVELLY |
| 4" - 32" | Bw | SANDY LOAM | 10 YR 5/6 | | MASSIVE | FRIBLE | GRAVELLY |
| 32" - 65" | Cd1 | SANDY LOAM | 2.5 Y 4/3 | | MASSIVE | FRIBLE | VERY GRAVELLY, COBBLY, STONY |
| 65" - 114" | Cd2 | SANDY LOAM | 2.5 Y 4/3 | | MASSIVE | FRIBLE | GRAVELLY, COBBLY, VERY STONY |

OBSERVED STANDING GROUNDWATER - NONE
ESTIMATED SEASONAL HIGH GW - 44" (ELEV. 158.23)
REMOVE TO INTO Cd1 HORIZON
DESIGN FOR CLASS II SOIL

LOT 16 - DEEP OBSERVATION HOLE 3
ORIGINAL ELEVATION - 161.9

| DEPTH | HORIZON | TEXTURE | COLOR | MOTTLING | STRUCTURE | CONSISTENCE | OTHER |
|------------|---------|------------|-----------|------------------------|-----------|-------------|------------------------------|
| 0 - 7" | A | SANDY LOAM | 10 YR 4/4 | | MASSIVE | FRIBLE | GRAVELLY |
| 7" - 32" | Bw | SANDY LOAM | 10 YR 5/6 | | MASSIVE | FRIBLE | GRAVELLY |
| 32" - 108" | Cd | SANDY LOAM | 2.5 Y 4/3 | 44" FEW, FAINT, COARSE | MASSIVE | FRIBLE | GRAVELLY, COBBLY, VERY STONY |
| 108" | R | | | | | | BOULDERS/LEDGE |

OBSERVED STANDING GROUNDWATER - NONE
ESTIMATED SEASONAL HIGH GW - 44" (ELEV. 158.23)
REMOVE TO INTO Cd1 HORIZON
DESIGN FOR CLASS II SOIL

LOT 16 - DEEP OBSERVATION HOLE 4
ORIGINAL ELEVATION - 160.9

| DEPTH | HORIZON | TEXTURE | COLOR | MOTTLING | STRUCTURE | CONSISTENCE | OTHER |
|------------|---------|------------|-----------|------------------------|-----------|-------------|------------------------------|
| 0 - 7" | A | SANDY LOAM | 10 YR 4/4 | | MASSIVE | FRIBLE | GRAVELLY |
| 7" - 31" | Bw | SANDY LOAM | 10 YR 5/6 | | MASSIVE | FRIBLE | GRAVELLY |
| 31" - 127" | Cd | SANDY LOAM | 2.5 Y 4/3 | 37" FEW, FAINT, COARSE | MASSIVE | FRIBLE | GRAVELLY, COBBLY, VERY STONY |

OBSERVED STANDING GROUNDWATER - NONE
ESTIMATED SEASONAL HIGH GW - 37" (ELEV. 157.82)
REMOVE TO INTO Cd HORIZON
DESIGN FOR CLASS II SOIL

LOT 16 - DEEP OBSERVATION HOLE Y2K-8
ORIGINAL ELEVATION - 163.5

| DEPTH | HORIZON | TEXTURE | COLOR | MOTTLING | STRUCTURE | CONSISTENCE | OTHER |
|------------|---------|------------|-----------|---------------------|-----------|-------------|--------------------------|
| +3-0 | O | | | | | | |
| 0 - 3" | A | SANDY LOAM | 10 YR 4/6 | | | | |
| 3" - 28" | B | SANDY LOAM | 10 YR 5/8 | | | | |
| 28" - 108" | C | LOAMY SAND | 2.5 Y 6/4 | 90" COMM., 10YR 6/8 | | | 10% GRAVEL, SOME COBBLES |

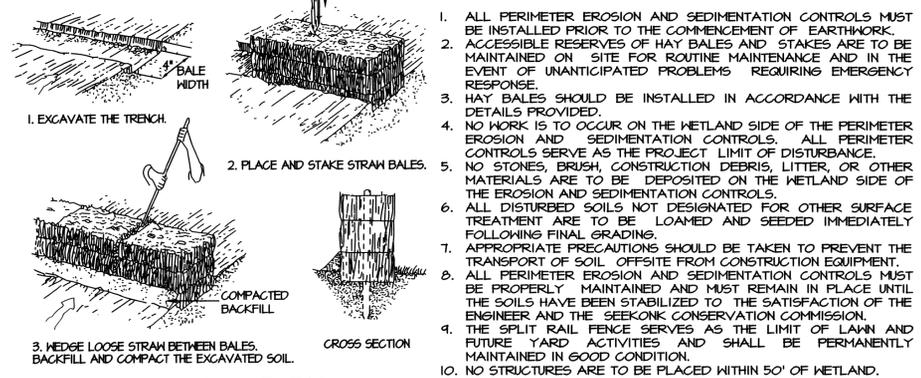
OBSERVED STANDING GROUNDWATER - NONE
ESTIMATED SEASONAL HIGH GW - 37" (ELEV. 157.82)
REMOVE TO INTO Cd HORIZON
DESIGN FOR CLASS II SOIL

LOT 16 - DEEP OBSERVATION HOLE TP 00-5
ORIGINAL ELEVATION - 163.0

| DEPTH | HORIZON | TEXTURE | COLOR | MOTTLING | STRUCT. | CONSIST. | OTHER |
|------------|---------|------------|-----------|--------------------------------|---------|----------|-------------------------|
| +3-0 | O | | | | | | |
| 0 - 24" | B | SANDY LOAM | 10 YR 5/8 | | | | |
| 24" - 110" | C | SANDY LOAM | 2.5 Y 6/2 | 76" COMM., 10YR 6/8, 2.5 Y 8/2 | | | BASIL(SIC), 20% COBBLES |

OBSERVED STANDING GROUNDWATER - NONE
ESTIMATED SEASONAL HIGH GW - 76" (ELEV. 158.17)
REMOVE TO 3" INTO Cd HORIZON
DESIGN FOR CLASS II SOIL

EROSION AND SEDIMENTATION CONTROL NOTES:



HAY BALE DETAIL

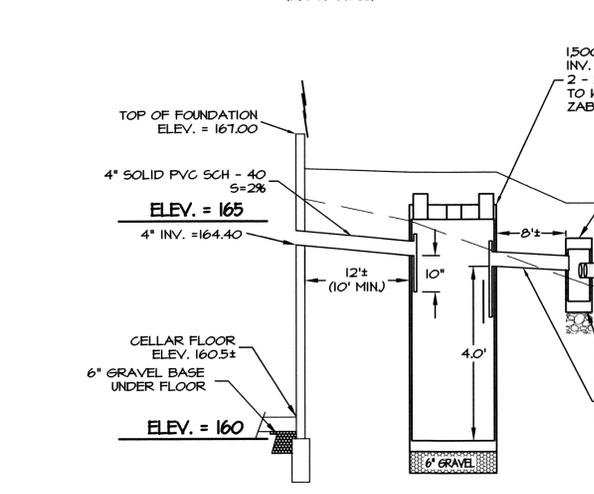
DESIGN DATA

- 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 - H-20-44 LOADING
- LEACHING AREA REQUIREMENTS
- PERCOLATION RATE = 4 MINUTES PER INCH (TP 00-5)
- DESIGN FOR 10 MINUTES PER INCH - SOIL TEXTURE CLASS II
- EFFLUENT LOADING RATE = 0.60 GALLONS PER SQUARE FOOT
- USE INFILTRATOR QUICK 4 PLUS STANDARD LP (3.3 INCH)
- IN FIELD CONFIGURATION - EFFECTIVE LEACHING AREA = 4.73 SF/LP
- 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 = 794 SF.
- 744 SF. X 0.60 GAL./SF = 446 GAL./DAY = 440 GPD

ELEVATION SCHEDULE

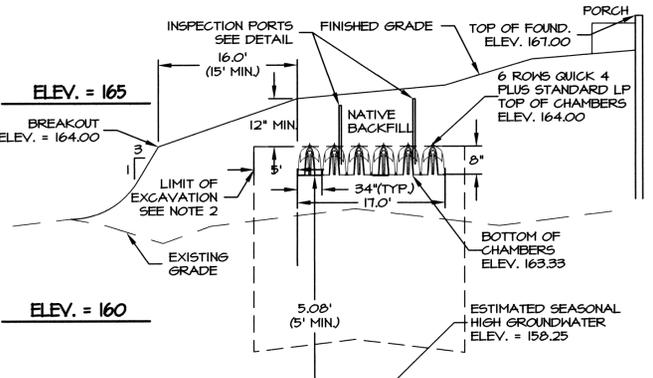
| DESCRIPTION | ELEVATION |
|----------------------------------|-----------|
| INVERT AT FOUNDATION | 164.40 |
| INVERT IN - SEPTIC TANK | 164.15 |
| INVERT OUT - SEPTIC TANK | 163.90 |
| INVERT IN - DIST. BOX | 163.65 |
| INVERT OUT - DIST. BOX | 163.65 |
| INVERT BEGINNING CHAMBERS | 163.61 |
| ELEV. TOP OF CHAMBERS (BREAKOUT) | 164.00 |
| ELEV. BOTTOM OF CHAMBERS | 163.33 |
| EST. SEASONAL HIGH GW | 158.25 |

INFILTRATOR SYSTEMS INC. - QUICK4 PLUS STANDARD LOW PROFILE CHAMBER
(NOT TO SCALE)



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

SITE PLAN
SCALE 1"=30'



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

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- MA. STD. INV.
- P. V. C.
- S. D. R.
- R. C. P.
- CONC.
- BIT.
- P. C.
- TYP.
- F. 6, 100x100
- 100x100
- TOP OF CURB
- BOTTOM OF CURB
- PROPERTY LINE
- CHAIN LINK FENCE
- SEPTIC TANK
- DISTRIBUTION BOX
- DEEP OBSERVATION HOLE
- PERCOLATION TEST HOLE

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP FOR PLAT 26, LOT 172 AND HAS INFORMED THAT THERE IS NO CURB STOP CURRENTLY FOR THIS LOT. THE PROPOSED DWELLING WILL BE SERVED BY A PRIVATE WELL TO BE INSTALLED IN CONFORMANCE WITH THE SEEKONK BOARD OF HEALTH REGULATIONS.

SEWAGE DISPOSAL SYSTEM
24 PATRICIA DRIVE
ASSESSORS PLAT 26 - LOT 172
SEEKONK, MASSACHUSETTS

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

DATE: JUNE 2014
SHEET: 1

LOT INFORMATION
24 PATRICIA DRIVE
ASSESSORS PLAT NO. 26, LOT 172
HOLLAND WOODS SUBDIVISION LOT 16
ZONE - R-4
AREA = 120,547 S.F.
OWNER - H. CHARLES TAPALIAN