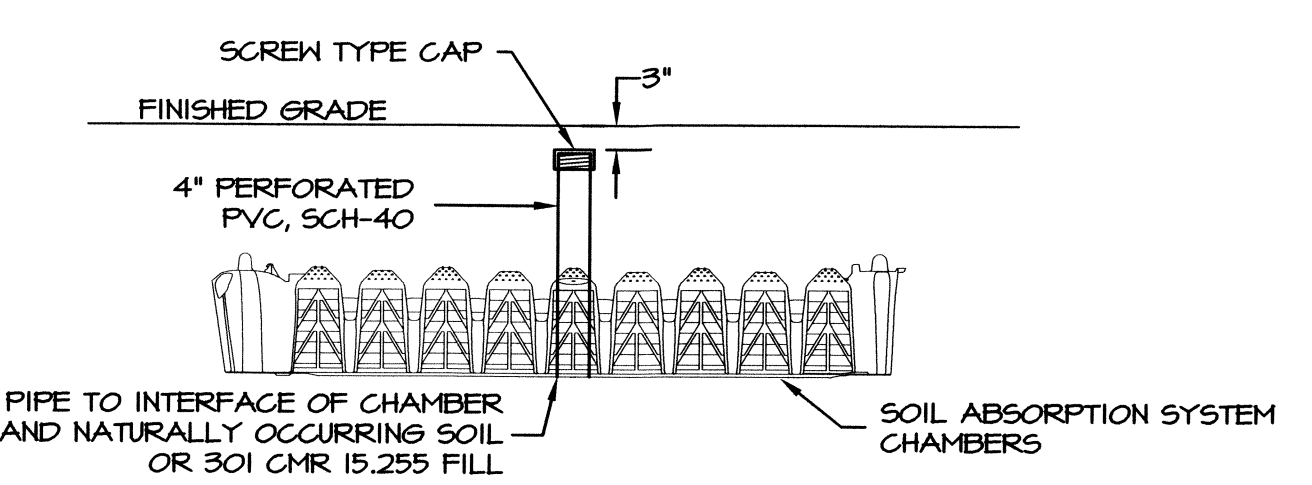
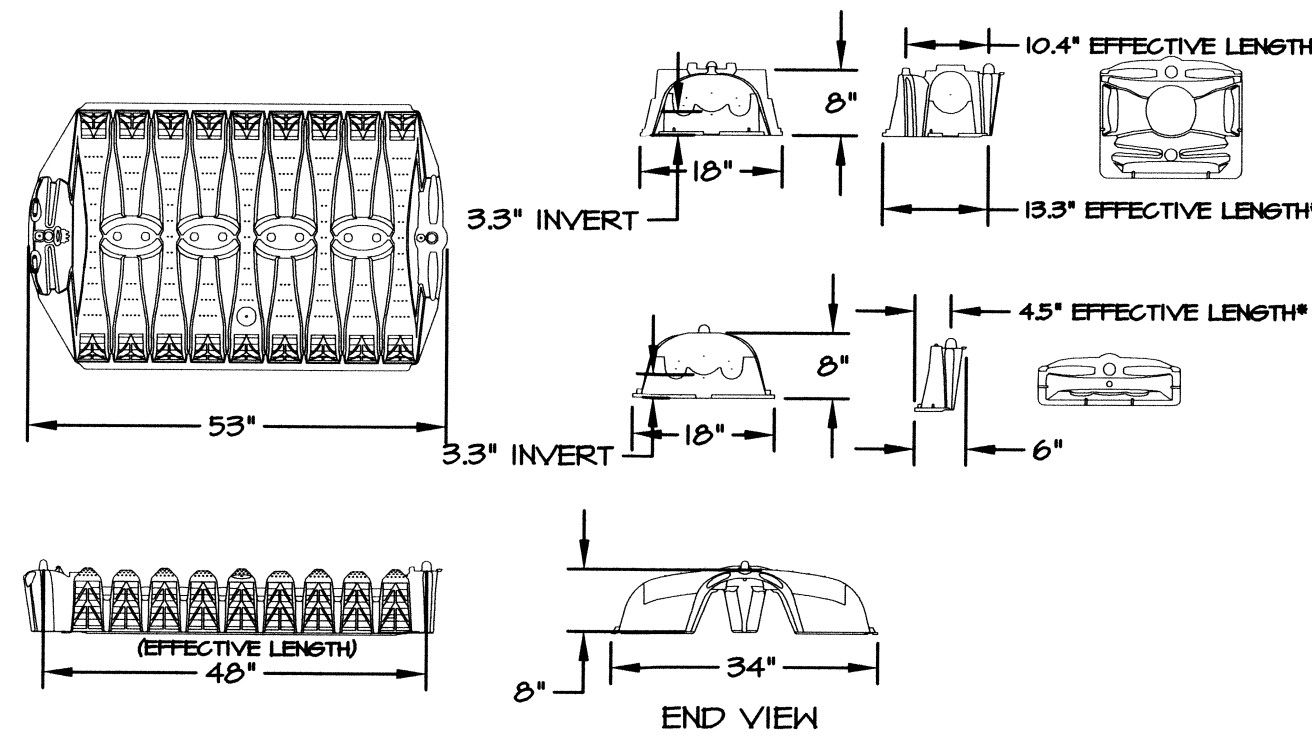


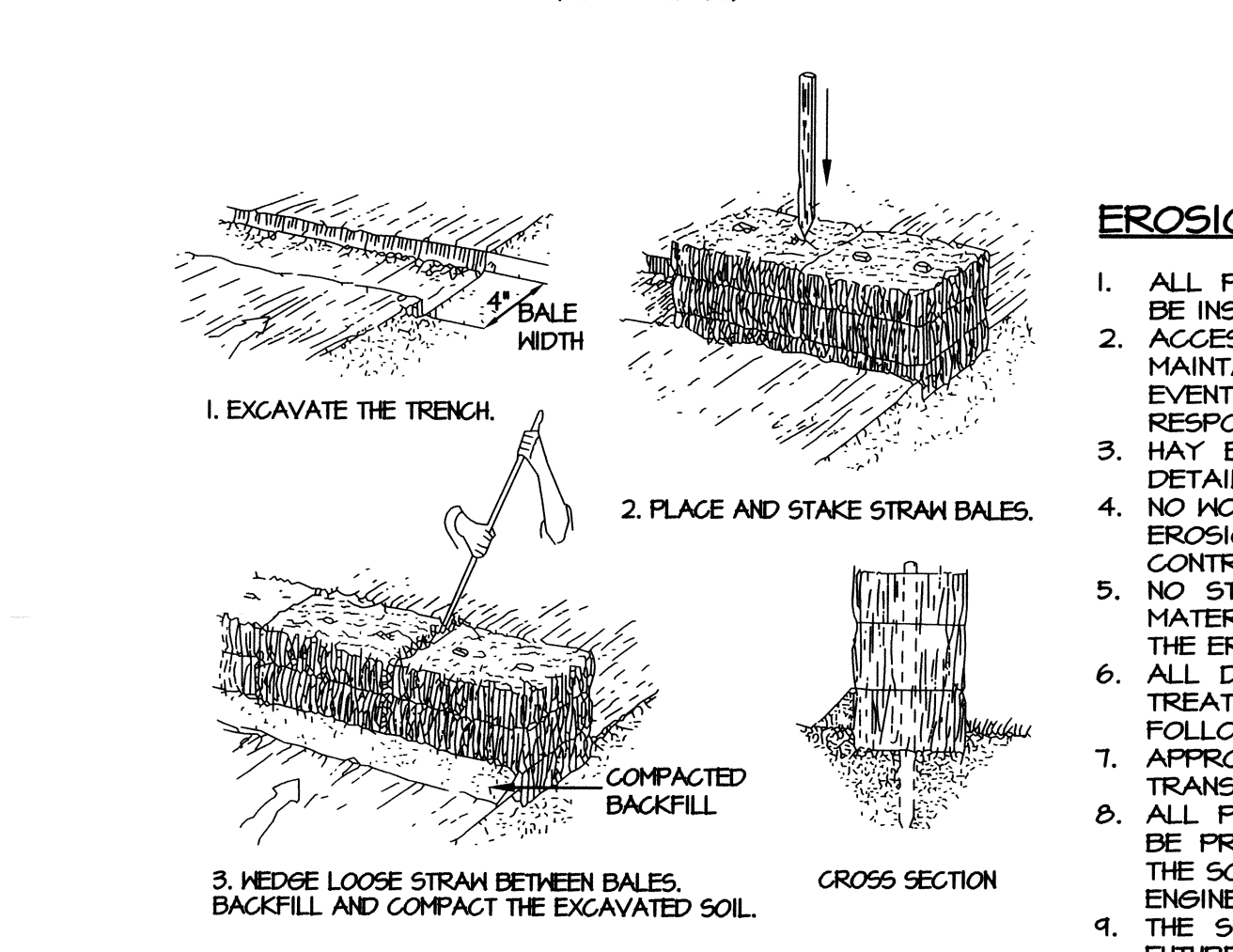
QUICK4 PLUS STANDARD LOW PROFILE CHAMBER BED PROFILE DETAIL
 SCALES: HORIZONTAL 1"=10'
 VERTICAL 1"=2'



INSPECTION PORT DETAIL
 NOT TO SCALE



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



HAY BALE DETAIL

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 TOPSOIL, SUBSOIL AND UNDESIRABLE 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 LATEST SPECIFICATIONS OF 310 CMR 15.25(3). 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 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. **FIELD QUALITY ASSURANCE**
- GARBAGE 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 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 = 152.00. NO FINISHED GRADE BELOW 152.00 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 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 DEWATERING 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.
- THE WATER SERVICE TRENCH WITHIN 10 FEET OF THE PROPOSED FOUNDATION SHALL BE BACKFILLED WITH A MIXTURE OF SAND AND BENTONITE IN ORDER TO PROVIDE A WATERPROOF BARRIER AT THE FOUNDATION AND TO PREVENT SEEPAGE OF GROUNDWATER THROUGH THE FOUNDATION WALL. THE RATIO OF BENTONITE TO SOIL SHALL BE AS RECOMMENDED BY THE MANUFACTURER. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALTERNATIVE METHODS OF PREVENTING SEEPAGE THROUGH FOUNDATION WALL.

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 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 LOANED 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.
- THE SPLIT RAIL FENCE SERVES AS THE LIMIT OF LAWN AND FUTURE YARD ACTIVITIES AND SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION.
- NO STRUCTURES ARE TO BE WITHIN 50' OF THE WETLAND.

LEGEND

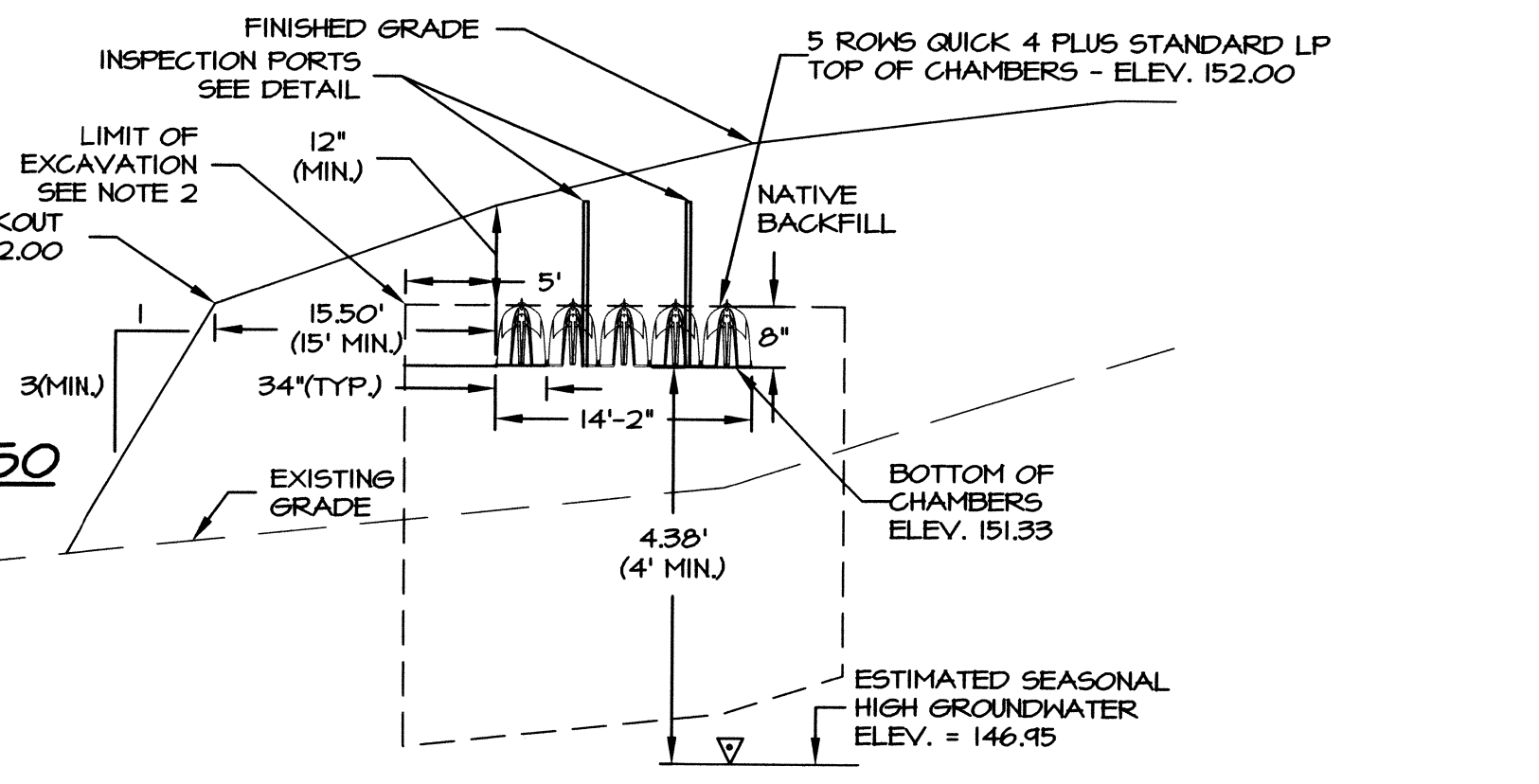
- 100--- EXISTING CONTOUR
- (---) PROPOSED CONTOUR
- MA. STD. MASSACHUSETTS STANDARD
- INV. INVERT OF PIPE
- P.V.C. POLYVINYL CHLORIDE PIPE
- S.D.R. STANDARD DIMENSION RATIO
- R.C.P. REINFORCED CONCRETE PIPE
- CONC. CONCRETE (BIT. OR P.C.)
- BIT. BITUMINOUS
- P.C. PORTLAND CEMENT
- TYP. TYPICAL
- F.S. 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. DISTRIBUTION BOX
- DB. DEEP OBSERVATION HOLE
- PERC. PERCOLATION TEST HOLE

LOT INFORMATION

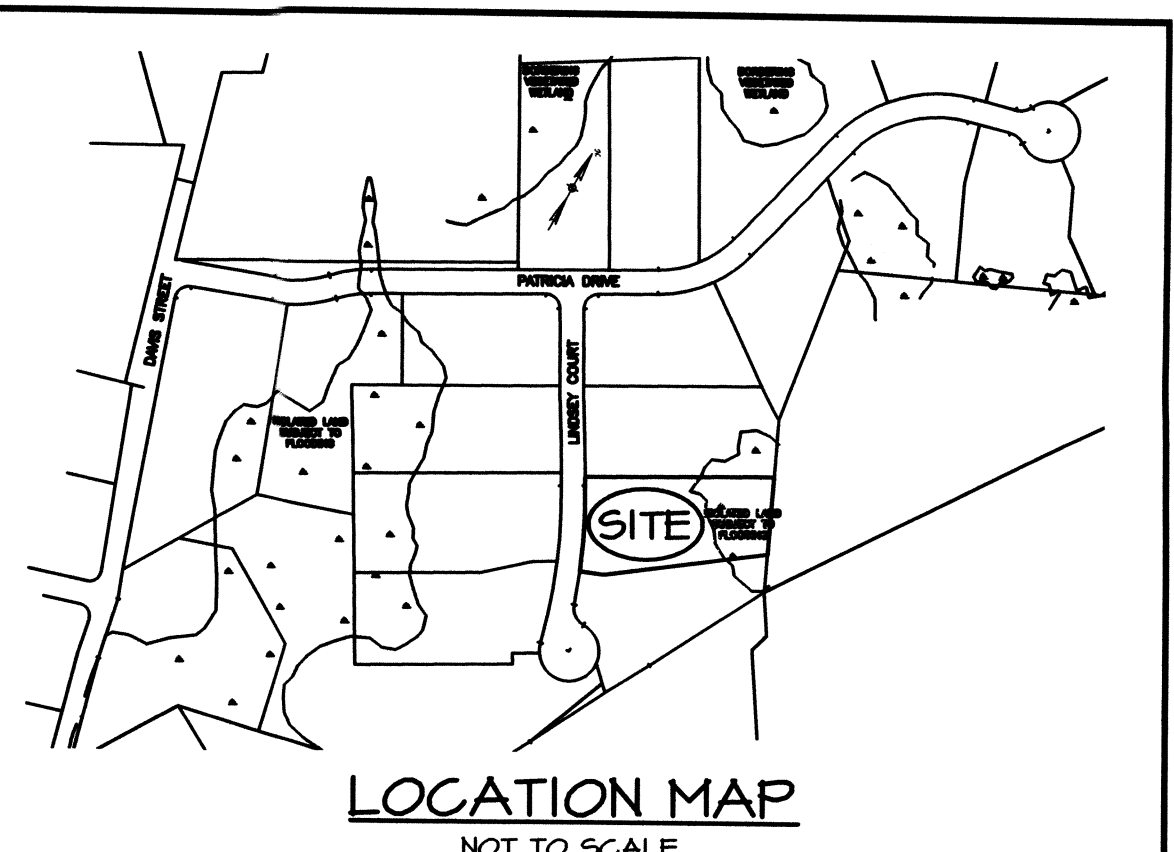
8 LINDSEY COURT
 ASSESSORS PLAT NO. 26, LOT 165
 HOLLAND WOODS SUBDIVISION LOT 6
 ZONE - R-4
 AREA = 73,326 S.F.
 OWNER - H. CHARLES TAPALIAN

ELEVATION SCHEDULE

DESCRIPTION	ELEVATION
INVERT AT FOUNDATION	152.50
INVERT IN - SEPTIC TANK	152.25
INVERT OUT - SEPTIC TANK	152.00
INVERT IN - DIST. BOX	151.85
INVERT OUT - DIST. BOX	151.60
INVERT BEGINNING CHAMBERS	151.61
ELEV. TOP OF CHAMBERS (BREAKOUT)	152.00
ELEV. BOTTOM OF CHAMBERS	151.33
EST. SEASONAL HIGH GW	146.45



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



LOCATION MAP
 NOT TO SCALE

- 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 = 27 MINUTES PER INCH - SOIL TEXTURE CLASS II
 - EFFLUENT LOADING RATE = 0.33 GALLONS PER SQUARE FOOT
 - USE INFILTRATOR QUICK4 PLUS STANDARD LP (3.3 INCH)
 - IN FIELD CONFIGURATION - EFFECTIVE LEACHING AREA = 4.73 SF/LF
 - PROVIDE 6 ROWS WITH 12 CHAMBERS PER ROW - 72 UNITS
 - TOTAL LEACHING AREA = 72 CHAMBERS X 4 LF/CHAMBER = 288 LF
 - TOTAL LEACHING CAPACITY = 288 LF X 4.73 SF/LF = 1362 S.F.
 - 1362 SF. X 0.33 GAL/SF = 444 GAL/DAY > 440 GPD

DEEP OBSERVATION HOLE 00-27A
 ORIGINAL ELEVATION - 150.2

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
+3' - 0	0						
0 - 24"	B	SANDY LOAM	10 YR 5/8				
24" - 96"	C	SANDY LOAM	2.5 Y 5/1 @ 56" COMM., 10 YR 6/8				BOULDERS, COBBLES
OBSERVED STANDING GROUNDWATER - NONE		OBSERVED WEeping GROUNDWATER - NONE		ESTIMATED SEASONAL HIGH GW - 56" (EL. 145.53)			
PERC. @ 42" = 7 MPI		REMOVE TO INTO C HORIZON		DATE OF TESTING - 7/12/01			

DEEP OBSERVATION HOLE 00-27B
 ORIGINAL ELEVATION - 152.2

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
+3' - 0	0						
0 - 24"	B	SANDY LOAM	10 YR 5/8				
24" - 84"	C	SANDY LOAM	2.5 Y 5/1 @ 63" COMM., 10 YR 6/6				BOULDERS, COBBLES
OBSERVED STANDING GROUNDWATER - NONE		OBSERVED WEeping GROUNDWATER - NONE		ESTIMATED SEASONAL HIGH GW - 63" (EL. 146.95)			
PERC. @ 42" = 9 MPI		REMOVE TO INTO C HORIZON		DATE OF TESTING - 7/12/01			
TEST 00-27A & 00-27B PERFORMED BY: DEAN MONSEES		WITNESSED BY: HAROLD CHENEVERT, JR., SEEKONK BOARD OF HEALTH					

DEEP OBSERVATION HOLE 1 - LOT 9
 ORIGINAL ELEVATION - 149.1

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
0 - 9"	A	SANDY LOAM	10 YR 3/3		MASSIVE	FRABLE	GRAVELLY
9" - 34"	Bw	SANDY LOAM	10 YR 3/6		MASSIVE	FRABLE	GRAVELLY, COBBLY, STONY
34" - 112"	Cd	FINE SANDY LOAM	10 YR 4/4 @ 30" COMM., DIST., COARSE		MASSIVE	FRABLE	GRAVELLY, COBBLY, STONY
OBSERVED STANDING GROUNDWATER - NONE		OBSERVED WEeping GROUNDWATER - NONE		ESTIMATED SEASONAL HIGH GW - 30" (ELEV. 146.60)		BOULDER/LEDGE	
PERC. @ 36" + 18" = 27 MPI		REMOVE TO INTO Cd HORIZON		DESIGN FOR CLASS II SOIL			

DEEP OBSERVATION HOLE 2 - LOT 9
 ORIGINAL ELEVATION - 148.9

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
0 - 12"	FILL						
12" - 19"	A	SANDY LOAM	10 YR 3/3		MASSIVE	FRABLE	GRAVELLY
19" - 47"	Bw	SANDY LOAM	10 YR 3/6 @ 27" COMM., DIST., COARSE		MASSIVE	FRABLE	GRAVELLY, COBBLY, STONY
47" - 128"	Cd	SANDY LOAM	2.5 Y 4/4		MASSIVE	FRABLE	GRAVELLY, COBBLY, STONY
OBSERVED STANDING GROUNDWATER - NONE		OBSERVED WEeping GROUNDWATER - NONE		ESTIMATED SEASONAL HIGH GW - 27" (ELEV. 146.65)		DESIGN FOR CLASS II SOIL	
REMOVE TO INTO Cd HORIZON							

DEEP OBSERVATION HOLE 3 - LOT 9
 ORIGINAL ELEVATION - 148.8

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	STRUCTURE	CONSISTENCE	OTHER
0" - 8"	A	SANDY LOAM	10 YR 3/3		MASSIVE	FRABLE	GRAVELLY
8" - 32"	Bw	SANDY LOAM	10 YR 3/6 @ 36" COMM., DIST., COARSE		MASSIVE	FRABLE	GRAVELLY, COBBLY, STONY
32" - 104"	Cd1	SANDY LOAM	2.5 Y 4/4		MASSIVE	FRABLE	GRAVELLY, COBBLY, STONY
OBSERVED STANDING GROUNDWATER - NONE		OBSERVED WEeping GROUNDWATER - NONE		ESTIMATED SEASONAL HIGH GW - 36" (ELEV. 145.80)		BOULDERS/LEDGE	
REMOVE TO INTO Cd HORIZON							
TESTING FOR DOH 1, 2, & 3 PERFORMED BY CAPUTO AND WICK LTD. ON 10/22/13		WITNESS: BETH HALLAL, SEEKONK BOARD OF HEALTH					

SEWAGE DISPOSAL SYSTEM
 8 LINDSEY COURT
 ASSESSORS PLAT 26 - LOT 165
 SEEKONK, MASSACHUSETTS

CAPUTO AND WICK LTD.
 1150 PAWTUCKET AVENUE
 RUMFORD, RHODE ISLAND 02916
 401-434-8880

DATE: JUNE 2014
 SHEET: 1

REV: JULY 15, 2014