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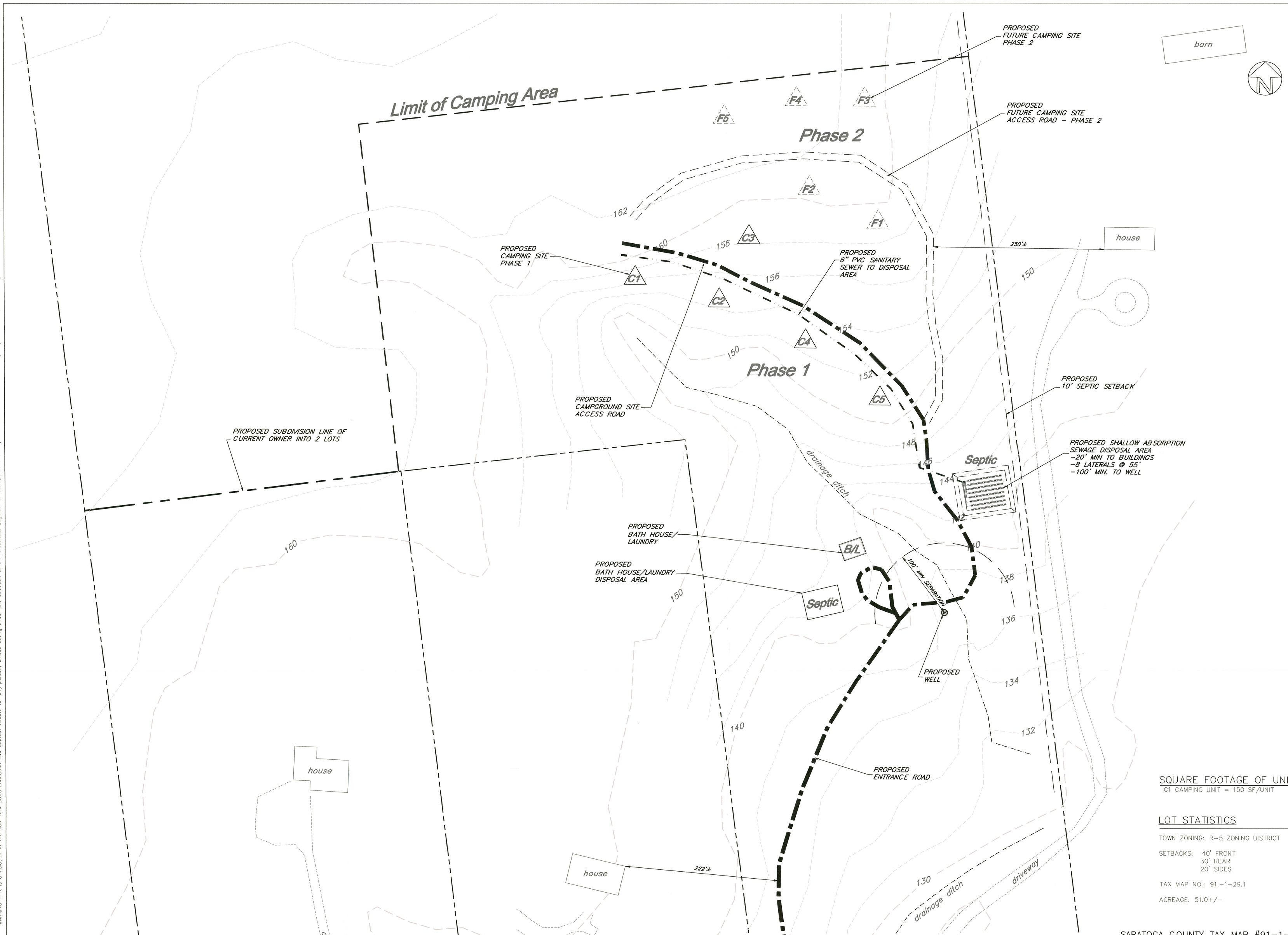

SQUARE FOOTAGE OF UNITS

C1 CAMPING UNIT = 150 SF/UNIT

LOT STATISTICS

TOWN ZONING: R–5 ZONING DISTRICT

SETBACKS: 40' FRONT
30' REAR
20' SIDES

TAX MAP NO.: 91.–1–29.1

ACREAGE: 51.0+/–

SARATOGA COUNTY TAX MAP #91–1–29.1

Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	TW	
Drawn By	MCJ	
Checked By	TW	
Approved By		
Filename		
Project No.	24–412	
Project Date	4.1.24	

STATE OF NEW YORK · TIMOTHY W. WALES · 077263 · LICENSED PROFESSIONAL ENGINEER

Fox Head Trail Campgrounds

195 Mott Road
Town of Moreau, Saratoga County NY

Layout Plan

WALES ENGINEERING
68 Waterview Drive, Saratoga Springs, NY 12866
(518) 581-0028 Phone/Fax • walseng@nycap.rr.com

Sheet No. 2 of 4

Drawing No. WE–002

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SEPTIC SYSTEM LIMITATIONS

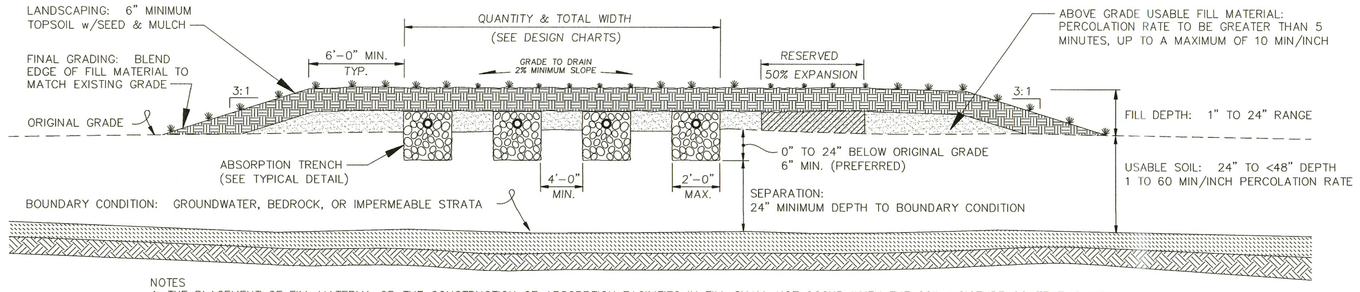
1. The best designed and installed septic disposal system will eventually fail to function properly without adequate maintenance. Inadequate septic tank maintenance can result in clogging of the tank and sewage back-up into the home and/or sewage overflow onto the ground surface. The failure to periodically clean a septic tank commonly results in clogging of the soil that surrounds the absorption trench by overflowing solids not removed by the septic tank.
2. This set of design plans and details is intended to provide subsurface sewage disposal for a typical single family dwelling. No additions involving living or sleeping areas may be added to the dwellings without the approval of the Code Enforcement Officer and the system redesign by a licensed Professional Engineer. The seal and signature on any drawing specifically excludes certification for future expansion or field replacement.
3. No garbage grinders allowed unless installed as initial construction of the house, and the septic tank size increased by 250 gallons.
4. No sump pump, water softener backwash, spas, hot tubs, whirlpools, or condensate waste shall be drained into the system.
5. The dwelling shall have water saving fixtures, including but not limited to: 2 gpm shower heads, low water use toilets, and sink restrictors.
6. Observe water conservation practices.
7. Septic tanks shall be inspected annually to determine the scum and sludge accumulation by the homeowner or a qualified septage hauler. The amount of build-up noted at each inspection shall be recorded and maintained in a record book. The septic tank shall be pumped whenever the bottom of the scum layer is within three inches of the bottom of the outlet baffle or tee, or the top of the sludge is within ten inches of the bottom of the outlet baffle or tee. The pump-out clearances also apply to any chamber in multi-compartment tanks and to any tanks in series (i.e. pump out all tanks/chambers as soon as any tank or chamber falls the minimum clearance). Most tanks should be pumped out every two to five years.
8. When septic tank is pumped, the septic tank inlet connection, baffles/tees, house sewer connection, tank outlet connection, and pump pit (if present) shall be inspected. Any baffle or tee that have deteriorated and no longer perform as designed must be replaced. Cracked or broken lines must be repaired or replaced.
9. Any company employed to clean and service the septic tank and system, must be a permitted septage hauler, with valid standing with the New York State Department of Environmental Conservation office. Septic tanks should not be washed or disinfected after being pumped out.
10. Septic tank additives shall not be used in the septic system. Additives are unnecessary for the proper operation of household systems and may cause the sludge and scum in the septic tank to be discharged into the absorption field, resulting in premature failure.
11. Do not dispose of excess household grease and fat in the septic system.
12. Whenever septic tanks are to be abandoned (i.e. when public sewers are installed to handle household wastes), the tanks shall be pumped out and refilled with soil to prevent future collapse.
13. Do not pour or dump chemical cleaners (i.e. ammonia) in the sinks or toilets.
14. Do not discharge roof drains, or allow stormwater runoff to collect on the absorption field area.
15. No vehicle parking or traffic shall be allowed on any portion of the sewage disposal system.
16. The sewage disposal system is designed for domestic wastewater only, with the design of the absorption field on the projected flows. Any use of the dwellings that has a greater discharge of wastewater flow than designed will require a redesign of the disposal system by a licensed Professional Engineer.
17. The stamp seal and signature of the design engineer is for the intended use only, and any change of use invalidates the seal.
18. The effluent filter shall be checked and cleaned if necessary during each inspection of the septic tank. A record of filter cleaning is recommended so to better monitor the amount of solids trapped in the filter cartridge.

SEPTIC SYSTEM GENERAL NOTES

1. There shall be no change on these plans in advance of, or during construction, without prior written approval of the design engineer.
2. The workmanship, construction practice, material standards, and inspection requirements shall comply with the latest edition(s) of the following:
   - A. New York State Department of Health
     1. "Rural Water Supply", 10 NYCRR APPENDIX 5-B, 1966, reprinted 1992;
     2. "Individual Residential Wastewater Treatment Systems Design Handbook", 1996;
   - B. Local town, village, or city sanitation ordinance(s).
3. The following inspections of the septic system by a licensed Professional Engineer shall include:
   - A. Fill material, at borrow pit or source of origin (perc. test may be required);
   - B. Fill material, in-place and finish graded;
   - C. Prior to backfill of piping, tanks, pits, well seals, etc.;
   - D. Upon final grading of site.
4. Any modifications to the septic system design shall be performed by a licensed Professional Engineer.
5. The installation contractor shall prepare the "as-built" sketch which has accurate dimensional distances to each of the septic system components, as measured from at least two different physical landmarks (i.e. foundation corners, well cap, boundary markers, etc.). This record information shall be furnished to the home owner, Town, or other municipal officer, as required, and prior to occupancy of the dwelling.
6. The septic system designs are typical size requirements for the number of bedrooms listed in the design charts, and are based on established design flows and preliminary soil percolation rates determined in the field. The installation contractor shall immediately notify the design engineer of any field conditions which deviate from the information as shown on the approved plans.
7. The septic system designs shown were sized in accordance with the New York State Department of Health standards, and local regulatory codes, as applicable.
8. The home owner is referred to the Health Department publication (Note 2, paragraph A.2 listed above) for the recommended procedures in system operations and maintenance.
9. The design engineer shall be relieved of liability if the home owner fails to maintain the septic system in accordance with the Health Department guidelines and/or the limitations listed on this plan, causes to exceed the design flows, or modifies the system in any way.
10. The home owner shall immediately notify the Health Department if the septic system has failed.

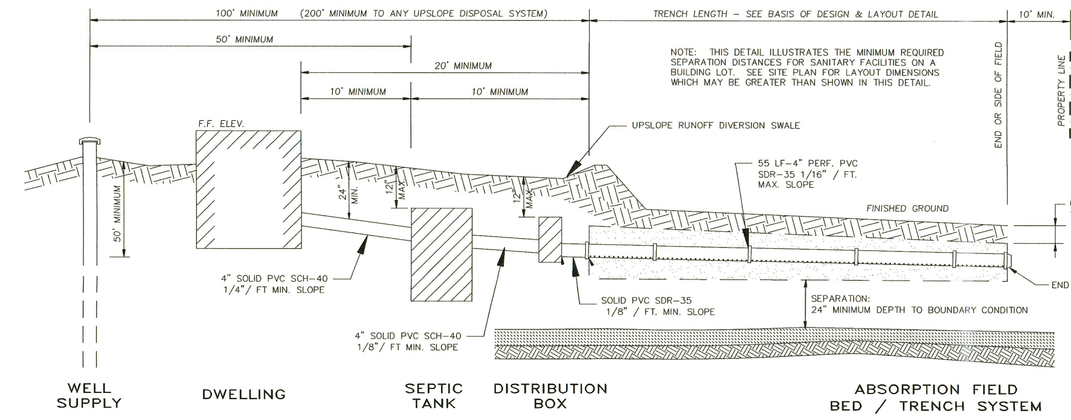
SEPTIC SYSTEM CONSTRUCTION NOTES

1. The installation contractor shall notify the Code Enforcement Officer and/or the design engineer prior to work, to review the installation details and inspection procedures.
2. There shall be no construction of sanitary facilities (septic systems) within 100 feet of a classified wetland or water body.
3. No roof, footing, floor, condensate, cooling water, softener backwash or any other drains shall be connected to the septic system.
4. Fill material to be clean, loamy sand, with a stabilized in-place percolation rate to be no less than 1 inch in 5 minute, nor greater than 1 inch in 10 minutes. All imported materials to be approved in writing by a licensed Professional Engineer prior to delivery to the site.
5. Piping material specifications:
   - A. House to septic tank: 4" PVC schedule 40 solid pipe with watertight joints, minimum slope of 1/4" per foot;
   - B. Septic tank to distribution box or effluent pump pit: 4" PVC schedule 40 solid pipe with watertight joints, minimum slope of 1/8" per foot;
   - C. Where installed, effluent pump pit to distribution box: 1 1/2" PVC schedule 80 solid pipe with pressure rated watertight joints, pitched on reverse slope to drain into pump pit;
   - D. Distribution box to septic field absorption trench: 4" PVC sdr-35 solid pipe, minimum slope of 1/8" per foot;
   - E. Septic field absorption trench: 4" PVC sdr-35 perforated pipe, maximum slope of 1/16" per foot, cap all ends.
6. Septic tank specifications:
   - A. Tank to be installed level on a 6" minimum layer of compacted gravel or stone;
   - B. Precast concrete tank, dimensions and features as shown;
   - C. Inlet baffle or 4" PVC tee to extend 16" minimum below flow line, 6" above flow line;
   - D. Outlet baffle or 4" PVC tee to extend 18" minimum below flow line, 6" above flow line;
   - E. Free air space above tees to be 3" minimum to top of tank.
   - F. Where installed, 4" plastic effluent filter cartridge with wooden handle extension to grade.
   - G. Grade access covers to be 24" integrated plastic or cast-iron cover, securely attached to tank.
7. Distribution box specifications:
   - A. Box to be installed level on a 12" minimum layer of compacted gravel or stone;
   - B. Precast concrete box, dimensions and features as shown;
   - C. Outlet speed levelers to be installed in the distribution box and adjusted to equalize the flow to each lateral.
8. A permeable geotextile or non-woven filter fabric to be installed over the absorption trench areas to prevent the infiltration of soil into the aggregate.

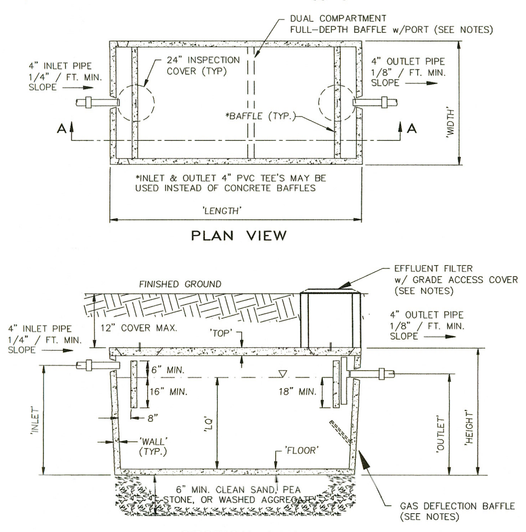


NOTES
1. THE PLACEMENT OF FILL MATERIAL OR THE CONSTRUCTION OF ABSORPTION FACILITIES IN FILL SHALL NOT OCCUR WHEN THE SOIL MOISTURE CONTENT IS HIGH.
2. ALL TREES AT THE FILL SITE SHALL BE CUT AND STUMPS REMOVED.
3. BRUSH, VINES, WEEDS, AND GRASS ETC., SHALL BE CUT TO GRADE AND REMOVED.
4. FILL SHALL BE PLACED ON THE SITE IMMEDIATELY AFTER THE SITE HAS BEEN PREPARED.
5. FILL SHALL BE DEPOSITED ON THE SITE WITH A FRONT-END LOADER OR PUSHED ON BY USING A TRACK TYPE MACHINE FROM THE UP-SLOPE SIDE.
6. FILL SHALL BE PLACED AND COMPACTED IN SIX INCH LIFTS; DO NOT OVER-COMPACT THE FILL MATERIAL.
7. THE RESULTING PERCOLATION RATE OF THE FILL MATERIAL SHALL BE GREATER THAN 5 MINUTES, UP TO A MAXIMUM OF 10 MINUTES PER INCH.
8. THE REQUIRED ABSORPTION TRENCHES SHALL BE CONSTRUCTED AFTER THE PLACEMENT OF ALL NECESSARY FILL MATERIAL.
9. THE BOTTOM OF ALL ABSORPTION TRENCHES SHALL NOT BE ABOVE THE ORIGINAL GRADE, PREFERRABLY SIX INCHES BELOW.
10. SOME TOPSOIL MAY BE ADDED AT FINAL GRADING TO IMPROVE THE SITE DRAINAGE.
11. DIVERT ALL UPSLOPE RUNOFF AWAY FROM THE DISPOSAL FIELD.

5 SHALLOW ABSORPTION TRENCH — N.T.S.



6 SANITARY FACILITIES – SCHEMATIC DETAIL — N.T.S.



PLAN VIEW

SECTION A-A

SEPTIC TANK CAPACITY					
NUMBER OF BEDROOMS	DESIGN FLOW	MINIMUM TANK CAPACITY & LIQUID SURFACE AREA			
		W/O GARBAGE GRINDER		W/ GARBAGE GRINDER	
2	220 GPD	1,000	27 S.F.	1,250 *	34 S.F.
3	330 GPD	1,000	27 S.F.	1,250 *	34 S.F.
4	440 GPD	1,250	34 S.F.	1,500 *	40 S.F.

* DUAL COMPARTMENT TANK & GAS DEFLECTION BAFFLE REQUIRED

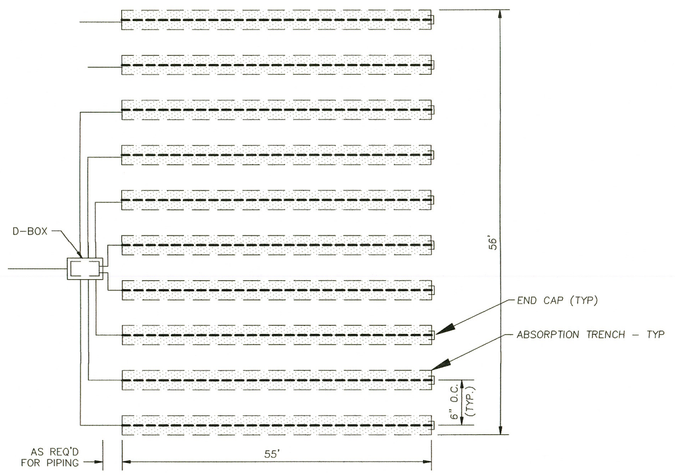
NOTES

1. WHEN GARBAGE GRINDERS ARE INSTALLED AT THE TIME OF HOUSE CONSTRUCTION, A GAS DEFLECTION BAFFLE AND A DUAL COMPARTMENT SEPTIC TANK, OR TWO TANKS IN SERIES, SHALL BE PROVIDED TO MINIMIZE THE SOLIDS CARRYOVER TO THE ABSORPTION AREA (DISPOSAL FIELD).
2. 3" MINIMUM ELEVATION DROP THROUGH STRUCTURE FROM INLET TO OUTLET.
3. TANK SIZE REQUIREMENTS FOR MORE THAN SIX BEDROOMS (EQUIVALENT DAILY FLOW) SHALL BE CALCULATED BY ADDING 250 GALLONS AND SEVEN SQUARE FEET OF SURFACE AREA FOR EACH ADDITIONAL BEDROOM. A GARBAGE GRINDER SHALL BE CONSIDERED EQUIVALENT TO AN ADDITIONAL BEDROOM FOR DETERMINING TANK SIZE. A HOT TUB/SPA SHOULD BE CONSIDERED EQUIVALENT TO AN ADDITIONAL BEDROOM FOR DETERMINING TANK SIZE.
4. EFFLUENT FILTER, "POLY-LOK" BRAND OR SIMILAR PRODUCT SHALL BE INSTALLED TO THE SEPTIC TANK OUTLET. EFFLUENT FILTERS WHEN PROPERLY MAINTAINED CAN EXTEND THE USEFUL LIFE OF THE TREATMENT SYSTEM. ALL SYSTEMS ARE SUSCEPTIBLE TO CLOGGING BY SOLIDS CARRY-OVER, LEADING TO PREMATURE FAILURE. A GRADE ACCESS COVER SHALL BE PROVIDED FOR PERIODIC INSPECTION & CLEANING OF THE EFFLUENT FILTER DEVICE.
5. OPTIONAL TANK: POLYETHYLENE TANK PRODUCTS MAY BE INSTALLED AS SUBSTITUTION FOR THE CONVENTIONAL PRECAST CONCRETE TANK SHOWN IN THIS DETAIL. THE POLYETHYLENE PRODUCT SHALL COMPLY WITH NYSDOH STANDARDS IN GALLON CAPACITY RATING, LIQUID SURFACE AREA, AND LIQUID DEPTH. A DATA SHEET OF THE PRODUCT SUBSTITUTION TO BE SUBMITTED IN ADVANCE TO THE ENGINEER FOR REVIEW AND APPROVAL, ALONG WITH CORPORATE DOCUMENTATION OF NYSDOH REVIEW. ALL OTHER SPECIFICATIONS APPLY, INCLUDING EFFLUENT FILTER.

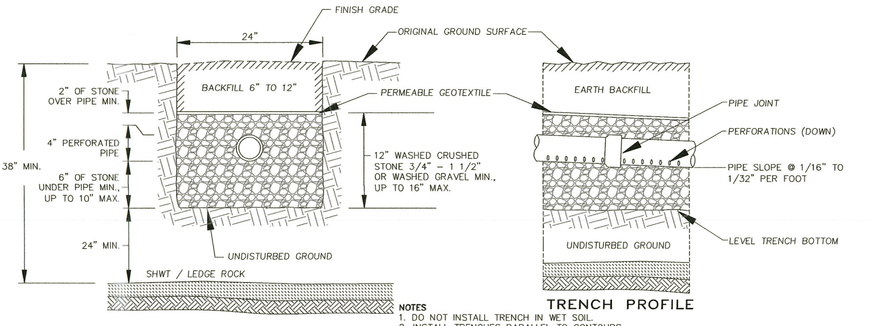
* AVAILABLE AS SINGLE COMPARTMENT TANK
** AVAILABLE AS DUAL COMPARTMENT TANK

SEPTIC TANK DIMENSIONS										
TANK CAPACITY	LENGTH	WIDTH	INLET	OUTLET	HEIGHT	WALL	TOP	FLOOR	LQ	MANUFACTURER INFORMATION
1,000	8'-8 1/2"	5'-0 1/2"	4'-9"	4'-6"	5'-6"	3"	4"	4"	48"	FORT MILLER CO., SEAMLESS
1,250	10'-2"	5'-3"	4'-9"	4'-6"	5'-6"	3"	4"	4"	48"	FORT MILLER CO., SEAMLESS
1,500	11'-0"	6'-0"	5'-1"	4'-10"	6'-3"	6"	8"	6"	49"	FORT MILLER CO., HEAVY DUTY

3 SEPTIC TANK DETAIL — N.T.S.



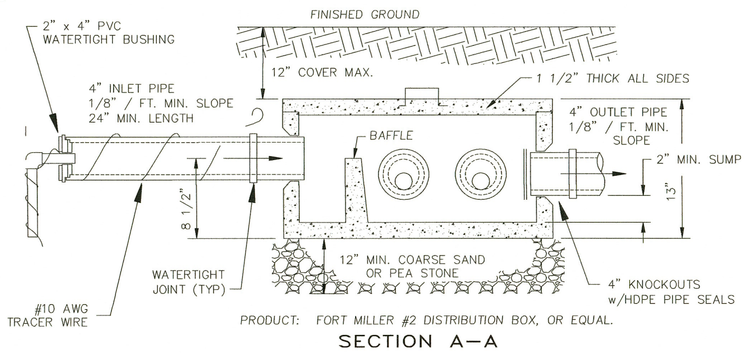
1 ABSORPTION TRENCH LAYOUT DETAIL — N.T.S.



SECTION VIEW — TRENCH PROFILE

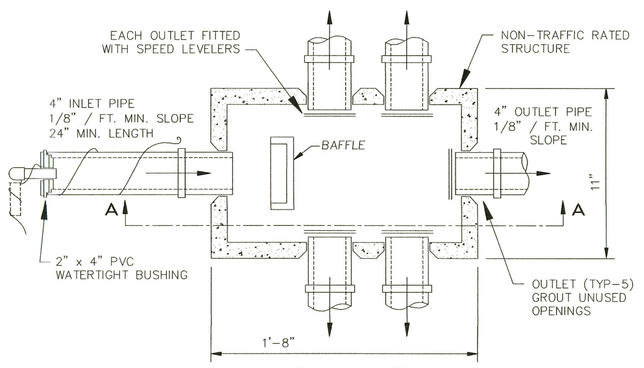
NOTES
1. DO NOT INSTALL TRENCH IN WET SOIL.
2. INSTALL TRENCHES PARALLEL TO CONTOURS.
3. INSTALL TRENCHES AS SHALLOW AS POSSIBLE WHICH MEET ABOVE NOTED MINIMUM DEPTHS.
4. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL OR STONE.
5. ENDS OF ALL DISTRIBUTOR PIPES MUST BE CAPPED.
6. SLOPE DISTRIBUTOR PIPE @ 1/16" – 1/32" PER FOOT.

4 ABSORPTION TRENCH DETAIL – TYPICAL — N.T.S.



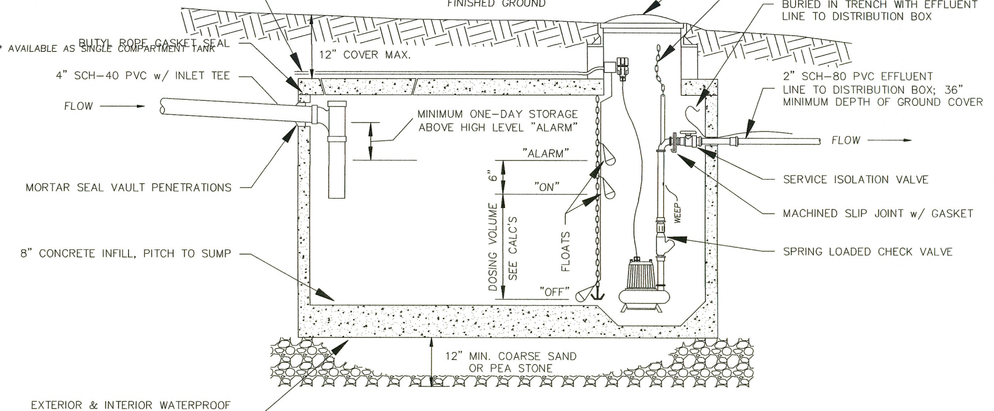
SECTION A-A

PRODUCT: FORT MILLER #2 DISTRIBUTION BOX, OR EQUAL.



PLAN VIEW

2 No.2 DISTRIBUTION BOX DETAIL — N.T.S.



PRODUCT: CIRCULAR OR RECTANGULAR PRE-CAST CONCRETE VAULT, OR APPROVED EQUAL.

SECTION A-A

GENERAL NOTES & SPECIFICATIONS
1. PUMP DISCHARGE LINE TO BE SLOPED BACK TO PUMP PIT.
2. PUMP MOTOR CONTROLS TO BE ENCLOSED IN A SINGLE PANEL, ON A DEDICATED ELECTRICAL CIRCUIT.
3. ANTI-FLOTATION STRUCTURAL BALLAST MAY REQUIRED IN AREAS OF SHALLOW GROUNDWATER CONDITIONS, WITH CALCULATIONS TO BE PREPARED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER.
4. PIPING & VALVES TO BE SCHEDULE 80 PVC PLASTIC INSIDE THE PUMP PIT ENCLOSURE.
5. HIGH LEVEL ALARM LIGHT TO BE INSTALLED IN A VISIBLE LOCATION INSIDE THE DWELLING, WIRED FROM A SEPARATE ELECTRICAL CIRCUIT THAN THE PUMP MOTOR CONTROLLERS.
6. PUMP APPLICATION CRITERIA IS BASED ON A MINIMUM CLEANSING VELOCITY OF 2.0 FPS IN THE FORCE MAIN.
7. SEE BASIS OF DESIGN FOR PUMP SPECIFICATIONS, DISCHARGE RATE, AND TOTAL DYNAMIC HEAD. CONTRACTOR TO SUBMIT A PRODUCT DATA SHEET FOR ENGINEER REVIEW AND APPROVAL PRIOR TO INSTALLATION.

7 EFFLUENT PUMP PIT DETAIL **(IF NEEDED)** — N.T.S.

AUTOMATIC DOSING SYSTEM

BASIS OF DESIGN

5 Camping Units x 2-4 persons/Unit = 2 bedrooms
Shallow Absorption trenches
Percolation rate = 6min.-00sec., Actual 3.15.24

Application Rate 1.00 gal/day/s.f.

Use Q = 220 gpd for each Unit
220 x 5 = 1100 gpd

$A = \frac{1100\ gpd}{1.0\ gpd/sf}$

A = 1100 sf

L = 1100 sf / 2 sf / ft

L = 550 ft trench required

10 LATERALS @ 55 = 550 LF PROPOSED

SOILS

TEST PIT RESULTS:

AS PERFORMED BY JEFF MANCINI
MIKE MUSIC, ON MARCH 15, 2024

TEST PIT NO. 4
0-5" SANDY LOAM (2"FOREST DEBRIS)
5-75" BROWN LOAMY SAND
ROOTS TO 6"
NO WATER, NO MOTTLING

PERCOLATION TEST PERFORMED MARCH 15, 2024

PERCOLATION TEST		
RUN NUMBER	PERCOLATION HOLE (PT)	
	1 24"DEEP	2 24"DEEP
	PRESOAK	PRESOAK
1	2min-30sec.	1min-45sec.
2	3min-08sec.	3min-20sec.
3	4min-45sec.	5min-40sec.
4	6min-15sec.	6min-00sec.
4	6min-00sec.	6min-10sec.
STABILIZED PERC RATE= 6min 00 sec		

SARATOGA COUNTY TAX MAP #91-1-29.1

Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	TW
Drawn By	MCJ
Checked By	TW
Approved By	
Filename	
Project No.	24-412
Project Date	4.1.24

STATE OF NEW YORK — TIMOTHY W. WALES — 077263 — LICENSED PROFESSIONAL ENGINEER

Fox Head Trail Campgrounds
195 Mott Road
Town of Moreau, Saratoga County NY

On-Site Sewage Disposal System Details & Notes

WALES ENGINEERING
68 Waterview Drive, Saratoga Springs, NY 12866
(518) 581-0028 Phone/Fax - waleseng@nycap.rr.com

Sheet No. **3 of 4**

Drawing No. **WE-003**

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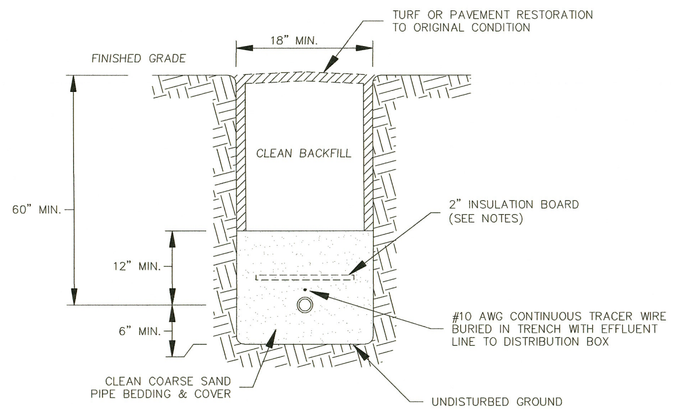
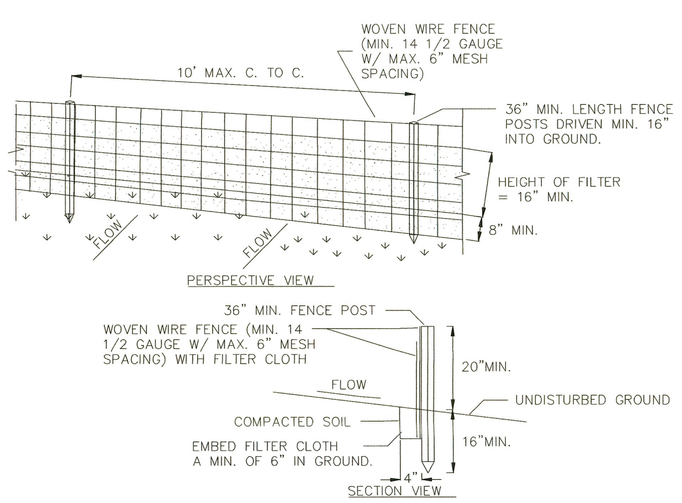


NOTES
1. THE EXCAVATED TRENCH MATERIAL SHALL BE DEPOSITED AT THE SIDES OF THE TRENCHES AND USED FOR BACKFILL UNLESS DECLARED TO BE UNSUITABLE BY THE ENGINEER.
2. BACKFILLING IN THE TRENCHES IN WHICH PIPE HAS BEEN LAID SHALL BE DEVOID OF STONES LARGER THAN 3 INCHES FOR AT LEAST ONE FOOT ABOVE THE TOP OF THE PIPES.
3. UNSUITABLE EXCAVATED MATERIAL SUCH AS PEAT, MUCK, ROCK, ETC. SHALL BE REMOVED FROM THE SITE AND REPLACED WITH MATERIAL ACCEPTABLE TO THE ENGINEER.
4. TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY, MAXIMUM 8 INCH LAYERS.
5. WHERE THE PIPE TRENCH CROSSES A PAVED PARKING LOT OR OTHER TRAFFIC AREA, THE PIPE SHALL BE PROTECTED FROM FREEZING WITH A LAYER OF HIGH-R INSULATED FOAM BOARD.
6. THE PIPE SHALL PITCH TO DRAIN BACK TO THE PUMP PIT.

1 PIPE TRENCH DETAIL

N.T.S.

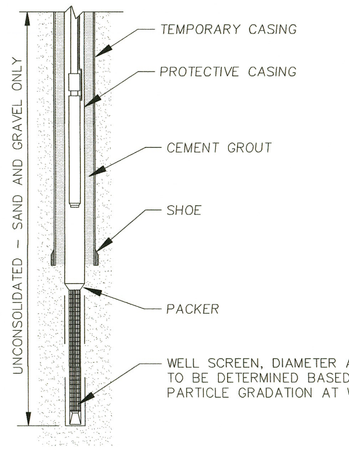


CONSTRUCTION SPECIFICATIONS

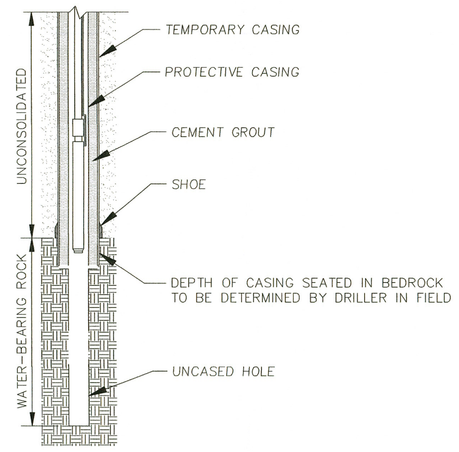
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

2 SILT FENCE

N.T.S.



UNCONSOLIDATED FORMATION



CONSOLIDATED FORMATION

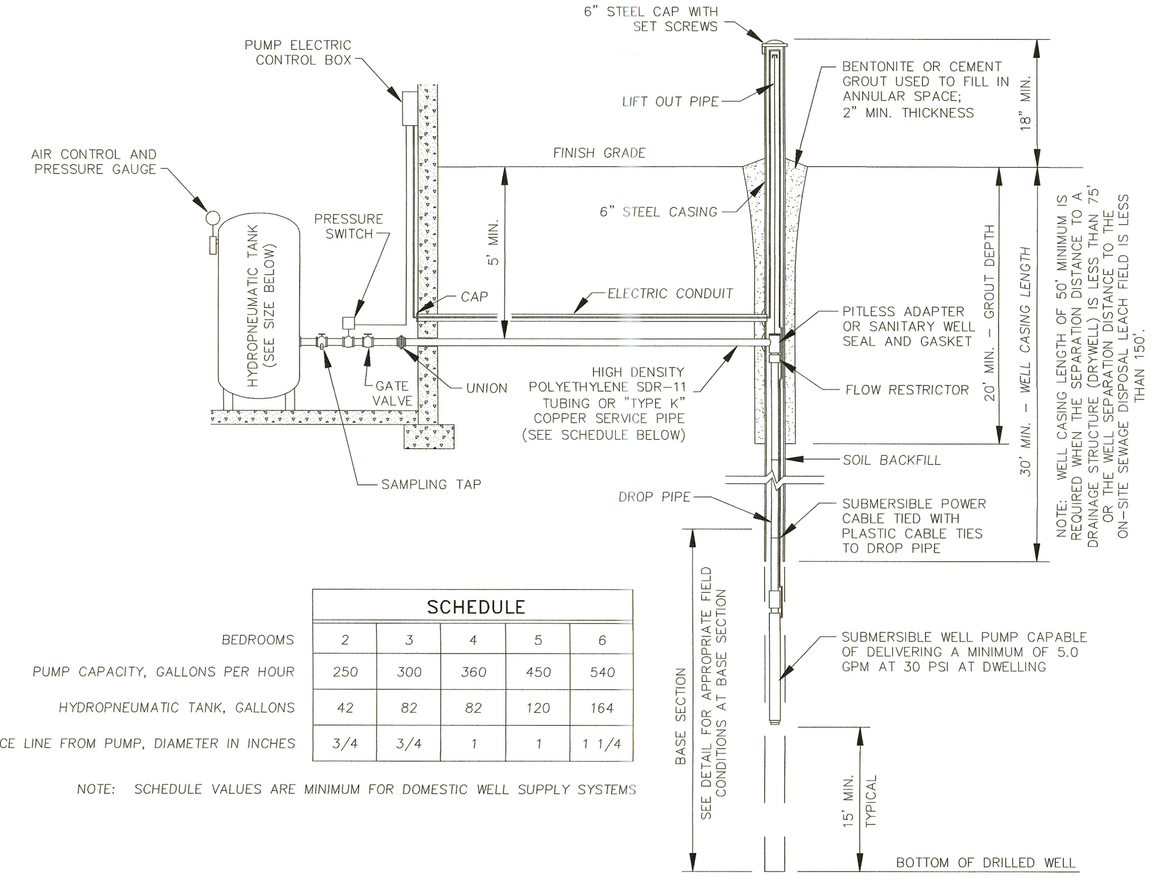
3 ON-SITE WATER SUPPLY - BASE SECTION DETAIL

N.T.S.

NOTES
1. THE ON-SITE PRIVATE WELL MUST BE QUALITY TESTED FOR: COLIFORM BACTERIA, LEAD, NITRATES, IRON, MANGANESE, SODIUM, pH, HARDNESS, ALKALINITY, NITRITES, FLUORIDE, COLOR, AND TURBIDITY.
2. THE WELL MUST BE YIELD TESTED AT A CONSTANT FLOW RATE DURING DRAW DOWN AND THROUGHOUT A 4 HOUR STABILIZED WATER LEVEL PERIOD TO VERIFY A MINIMUM OF 5 GALLONS PER MINUTE WELL YIELD.
3. IF A WELL TEST PARAMETER RESULT EXCEEDS A MAXIMUM CONTAMINANT LEVEL (MCL) CONTAINED IN 10 NYCRR PART 5, THE PARAMETERS LISTED ON PAGE 52 OF APPENDIX 5-B RURAL WATER SUPPLY OR A WELL YIELD LESS THAN 5 GALLONS PER MINUTE AN AMENDED DESIGN FOR TREATMENT OR WATER SUPPLY MUST BE SUBMITTED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) DISTRICT OFFICE AND THE LOCAL AUTHORITY PRIOR TO RECEIVING A BUILDING PERMIT.
4. WELLS THAT HAVE TURBIDITY LEVELS IN EXCESS OF 5 NTU ARE NOT CONSIDERED AS ACCEPTABLE/TREATABLE WATER SOURCES. WELLS THAT EXCEED 5 NTU AT INITIAL DRILLING (EXCLUSIVE OF OXIDIZED IRON AND MANGANESE) BUT CAN BE PROVEN TO PRODUCE WATER LESS THAN 5 NTU BY ADDITIONAL DEVELOPMENT AND CONTROLLED PUMP RATE ARE ACCEPTABLE. NO WELL SYSTEM IS TO BE DESIGNED TO BE PUMPED AT A RATE HIGHER THAN ITS PROVEN YIELD.
5. CORROSIVITY TEST SHALL BE PERFORMED ON THE WELLS AS AN INDICATOR OF THE POTENTIAL FOR THE WELL WATER TO EXHIBIT CORROSIVE TENDENCIES. THE WELLS IN THIS AREA ARE NOT KNOWN TO REQUIRE CORROSION TREATMENT, BUT THE HOMEOWNER MUST BE PROVIDED WITH THE RESULTS OF THE TEST AND INFORMED THERE IS NO VERIFICATION THAT TREATMENT WILL OR WILL NOT BE REQUIRED. WELL WATERS WITH CORROSIVE TENDENCIES THAT REQUIRE TREATMENT WILL ONLY BE INDICATED IN THE FUTURE AS A RESULT OF CONTINUAL USE OF THE WELL.
6. THE WELL WILL BE DRILLED, THE WATER QUALITY/YIELD INFORMATION FOR A LOT REVIEWED/CERTIFIED FOR COMPLIANCE AND SUBMITTED TO THE NYSDOH AND THE LOCAL AUTHORITY A MINIMUM OF 30 DAYS PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. A SIGNED STATEMENT BY THE HOMEOWNER ACKNOWLEDGING RECEIPT OF THE WELL QUALITY, YIELD RESULTS AND THE NOTIFICATION OF THE NEED FOR ANY ADDITIONAL TREATMENT TO ADDRESS AESTHETIC PROBLEMS WITH THE WELL MUST BE SUBMITTED TO THE NYSDOH AND THE MUNICIPALITY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. FAILURE TO PROVIDE PROPER CERTIFICATIONS WILL BE GROUNDS TO DENY CERTIFICATES OF OCCUPANCY.
7. WATER CONTAINING MORE THAN 20 MG/L OF SODIUM SHOULD NOT BE USED FOR DRINKING BY PEOPLE ON SEVERELY RESTRICTED SODIUM DIETS. WATER CONTAINING MORE THAN 270 MG/L OF SODIUM SHOULD NOT BE USED FOR DRINKING BY PEOPLE ON MODERATELY RESTRICTED DIETS.
8. POST CONSTRUCTION SAMPLING OF THE WATER SYSTEM FOR COLIFORM BACTERIA MUST BE CONDUCTED AND THE RESULTS SUBMITTED TO THE NYSDOH AND THE MUNICIPALITY PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
9. THE TERM "SANITARY FACILITIES" USED IN THE NYSDOH CONDITIONS OF APPROVAL REFER TO BOTH WATER SUPPLY AND SEWAGE.
10. THE ON-SITE PRIVATE WELL SYSTEM IS REQUIRED TO HAVE A TOTAL STORAGE CAPACITY OF 400 GALLONS, MINIMUM, EITHER IN THE WELL CASING OR OTHER APPROVED STORAGE TANK VOLUME.

4 ON-SITE WATER SUPPLY - DETAIL NOTES

N.T.S.



NOTE: WELL CASING LENGTH OF 50' MINIMUM IS REQUIRED WHERE HORIZONTAL SEPARATION DISTANCE TO DRAINAGE STRUCTURE (DRYWELL) IS LESS THAN 75' OR THE WELL SEPARATION DISTANCE TO THE ON-SITE SEWAGE DISPOSAL LEACH FIELD IS LESS THAN 150'.

SCHEDULE					
BEDROOMS	2	3	4	5	6
PUMP CAPACITY, GALLONS PER HOUR	250	300	360	450	540
HYDROPNEUMATIC TANK, GALLONS	42	82	82	120	164
SERVICE LINE FROM PUMP, DIAMETER IN INCHES	3/4	3/4	1	1	1 1/4

NOTE: SCHEDULE VALUES ARE MINIMUM FOR DOMESTIC WELL SUPPLY SYSTEMS

5 ON-SITE WATER SUPPLY - SCHEMATIC DETAIL

N.T.S.

SARATOGA COUNTY TAX MAP #91-1-29.1

Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	TW	
Drawn By	MCJ	
Checked By	TW	
Approved By		
Filename		
Project No.	24-412	
Project Date	4.1.24	

STATE OF NEW YORK TIMOTHY W. WALES 077265 LICENSED PROFESSIONAL ENGINEER

Fox Head Trail Campgrounds
195 Mott Road
Town of Moreau, Saratoga County NY

On-Site Sewage Disposal System Details & Notes

WALES ENGINEERING
68 Waterview Drive, Saratoga Springs, NY 12866
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Sheet No. 4 of 4

Drawing No. WE-004