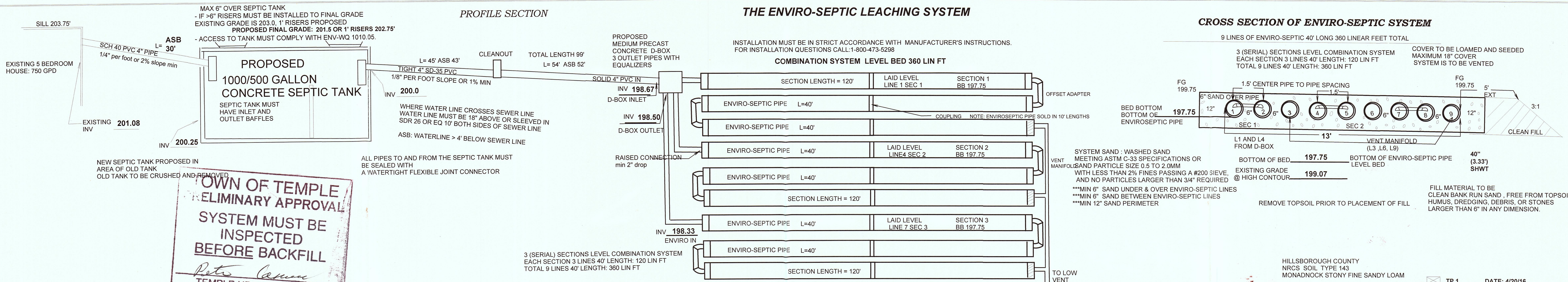


PROFILE SECTION

THE ENVIRO-SEPTIC LEACHING SYSTEM

CROSS SECTION OF ENVIRO-SEPTIC SYSTEM



**TOWN OF TEMPLE
PRELIMINARY APPROVAL**
SYSTEM MUST BE
INSPECTED
BEFORE BACKFILL
Peter Caswell
TEMPLE HEALTH OFFICER

**TAX MAP 9B LOT 15
23.5 ACRES**

LEGEND

Hub & Tack	Wetland
Benchmark	Stone Wall
Well	Tree Line
Utility Pole	Setback
Perc Test	Property Line
Spot Elevation	P100 Proposed Grade
Iron Pipe	Flow Direction
Pavement	Fence
	Wetland Flag
	Gravel Road
	High Water Reference Elevation

DESIGN CRITERIA

EXISTING 5 BEDROOM HOUSE : 750 GPD FLOW FULL FOUNDATION

REQUIRED SEPTIC TANK FOR 750 GPD= 1500 GAL PROPOSED 1000/500 GAL COMBINATION SEPTIC TANK

PERCOLATION RATE: 6 MIN/INCH
ENVIRO-SEPTIC PIPE REQUIRED: 225 LINEAR FEET
ENVIRO-SEPTIC PIPE PROVIDED: 360 LINEAR FEET

INSTALL 9 LINES ENVIROSEPTIC PIPE 40" LONG LEVEL BED: TOTAL 360 LIN FT
9 LINES 40" LENGTH IN THREE SERIAL SECTIONS OF 120" GRAVITY SYSTEM

PROPOSED LEACHFIELD IS REPLACING A CESSPOOL

WELL RADIUS IS 100' (>750 GPD < 1400 DUE TO BARN AND OFFICE ON THE SAME WELL)
WELL RADIUS IS COMPLETELY WITHIN THE LOT

THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT WITHIN 100' OF THE PROPOSED ISDS
THERE ARE NO SURFACE WATERS OR VERY POORLY DRAINED SOILS WITHIN 75' OF THE PROPOSED EDA

NO WAIVERS ARE REQUESTED

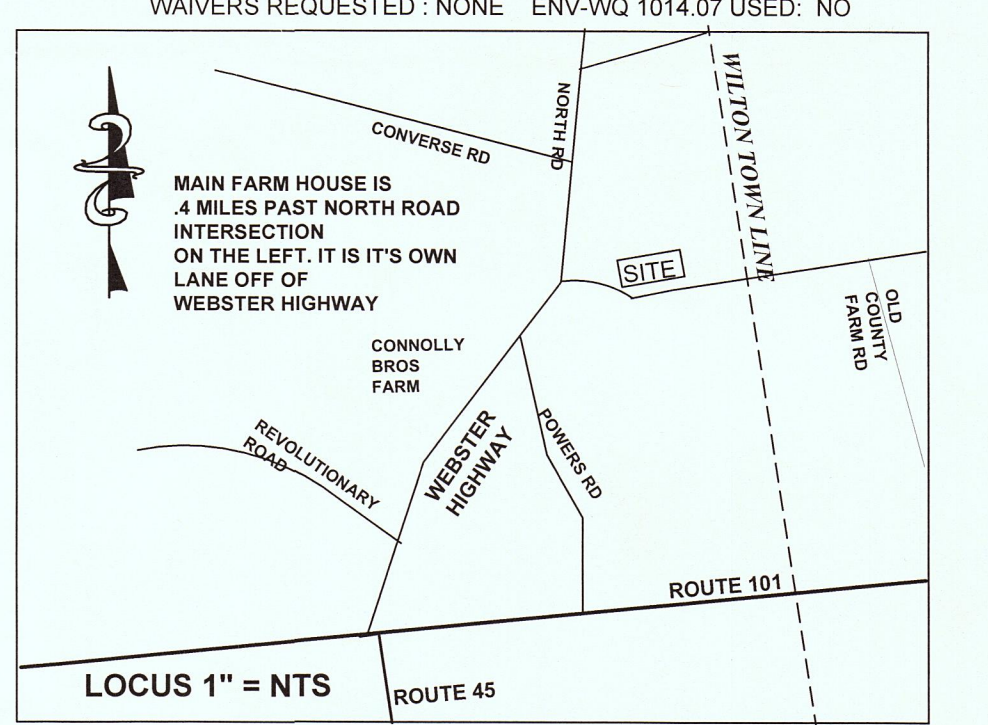
PERC TEST # P-A DATE: 4-20-16
DEPTH: 30"
PERCOLATION RATE: 6 MPI
PERFORMED BY S. MONAHAN
WITNESSED BY SANDY ENGUESS
PETER CASWELL TOWN HEALTH OFFICER

4"	A	10 YR 3/2	TOP SOIL, LOAM, GRANULAR, FRIABLE
15"	FILL	10 YR 5/4	LOAMY SAND, OLD ROAD? MASSIVE, V FRIABLE
36"	C	2.5 Y 5/4	LOAMY SAND, MASSIVE, 12% SMALL STONES, COMPACT BUT FRIABLE
40"	C	2.5 Y 5/3	SHWT 40" MOTTLES 10 YR 5/5 STONY SANDY LOAM MASSIVE, 18% PEBBLES & SOME LARGE STONES, FRIABLE

OBSERVED DEPTH TO:
ESHWT 40"
OBSWT NONE
ROOTS TO 43"
REFUSAL NONE; BUT LARGE STONES RANDOM

DESIGN INTENT:
The bottom of the effluent disposal system shall be constructed at 197.75 elevation; this is approximately 1.32 feet below original ground on the high contour (spot elev=199.07) of the designed effluent system. This is to maintain minimum 2' above shwt.

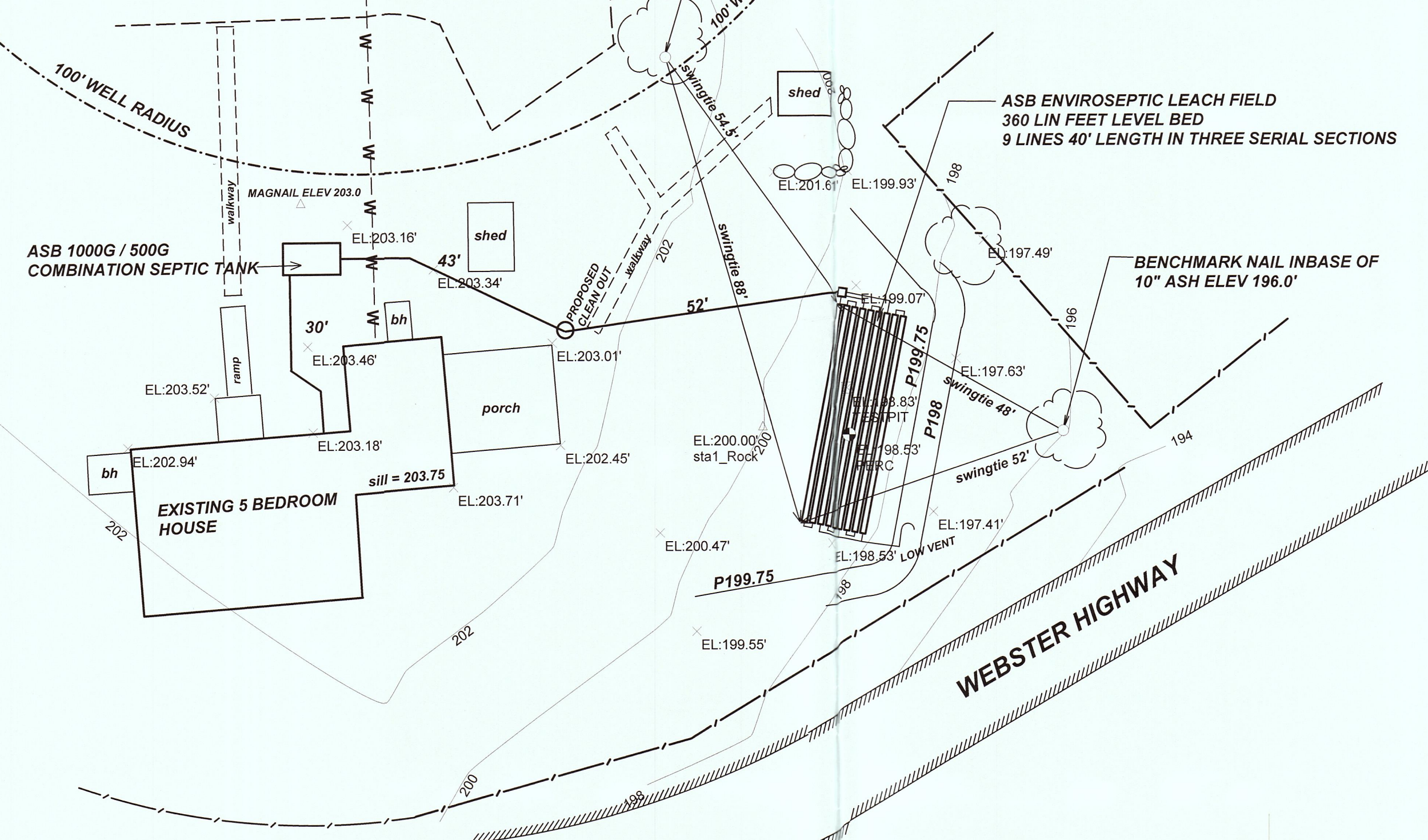
REPLACEMENT SYSTEM



- DESIGN AND CONSTRUCTION NOTES**
- NOTE: Benchmarks and Swingties from Nails
- There are no surface waters or wetlands within 75 feet of the proposed leachfield. All wetlands have been identified according to ENV-WQ 1014.03(a).
 - There are no cemeteries or burial sites within 100' of the proposed ISDS.
 - The property is not within protected shoreland (SWQPA).
 - The existing house is on A PRIVATE WELL, WELL RADIUS IS 100'
 - The well radius is completely within the lot.
 - Septic tank and D-Box, to be precast concrete. Can be ordered thru LAMARRE, GREENVILLE, NH Telephone: (603)878-1340
 - The septic tank shall be of approved design and construction and completely watertight with inlet and outlet baffles and access conforming to ENV-WQ 1010.05. A 1500 gal concrete septic tank is proposed. Normal maintenance of the septic tank shall include pumping and inspection every two - 5 years.
 - If a filter is installed in the septic tank, it must be cleaned and maintained regularly.
 - Full Foundation exists but Foundation Drains are NOT anticipated.
 - System is proposed to be vented.
 - This system is not designed to accommodate a garbage disposal.
 - This system is not designed to accommodate water treatment backwash.
 - System will be rebuilt in place if failure occurs.
 - The designer assumes no responsibility if the system is not installed per design.
 - No warranty or accuracy of boundary locations is expressed or implied by this plan. The lot layout has been adapted from: BK 8330 Pg 258 HCRD
 - This system has been designed in accordance with applicable state and local regulations. No guarantee of system longevity or operation is expressed or implied.
 - All pipes to be sealed with poly-lok inserts or non-shrink mortar.
 - Topsoil (organic loam layer) must be removed from bed and slope extension areas prior to fill placement. Scarify subsoil prior to fill placement. Care must be taken not to smear or compact the natural soil below the leaching facility.
 - Fill shall meet NH Reg. (Env-Wq 1021.03).
 - 4" loam barrier to be constructed around perimeter of fill.
 - Backfill material shall be bank run sand with less than 10% passing a 200 sieve. No stones over 2", covered with 4" - 6" of clean loam not to exceed 18" total.
 - Installation shall be in strict accordance with manufacturers instructions.

**AMENDED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION**

Alex K Ford
Date: 6/2/2016
#eCA2016050221-A



DEED REF: VOL 8330 PAGE 0258
COUNTY: HILLSBOROUGH 7/01/2011
PREVIOUS SUBDIV. APP. NA > 5 acres
PREVIOUS CA: NO RECORD

RESERVED FOR N.H. DEPT. ENV. SERVICES USE

DATE: MAY 31, 2016 SCALE 1" = 20'

**SEWAGE DISPOSAL SYSTEM DESIGN PLAN
AMENDED CA 2016050221**

**LOT OWNER:
ISABELLA MARTIN REVOCABLE TRUST
TOUCHSTONE FARM
11 PONY FARM LANE
TEMPLE, NH 03084**

**TELEPHONE: (603) 654-6308
SITE ADDRESS:
11 PONY FARM LANE
OFF OF WEBSTER HIGHWAY
TEMPLE, NH 03084
TAX MAP 9B LOT 15 23.5 ACRES**

**SHARON MONAHAN - SITE SUCCOR DESIGN LLC
3 CENTRAL STREET PETERBOROUGH, NH 03458
TELEPHONE: (603) 924-8774 EMAIL: shrmmonahan@gmail.com
www.sitesuccor.com
SUBSURFACE DESIGNER # 1455 C.W.S. # 227**

- AMENDED 5/31/16
- REVERSED DBOX AND VENT MANIFOLD
 - DID NOT NEED TO SLEEVE WATERLINE
 - PIPE FROM HOUSE TO TANK