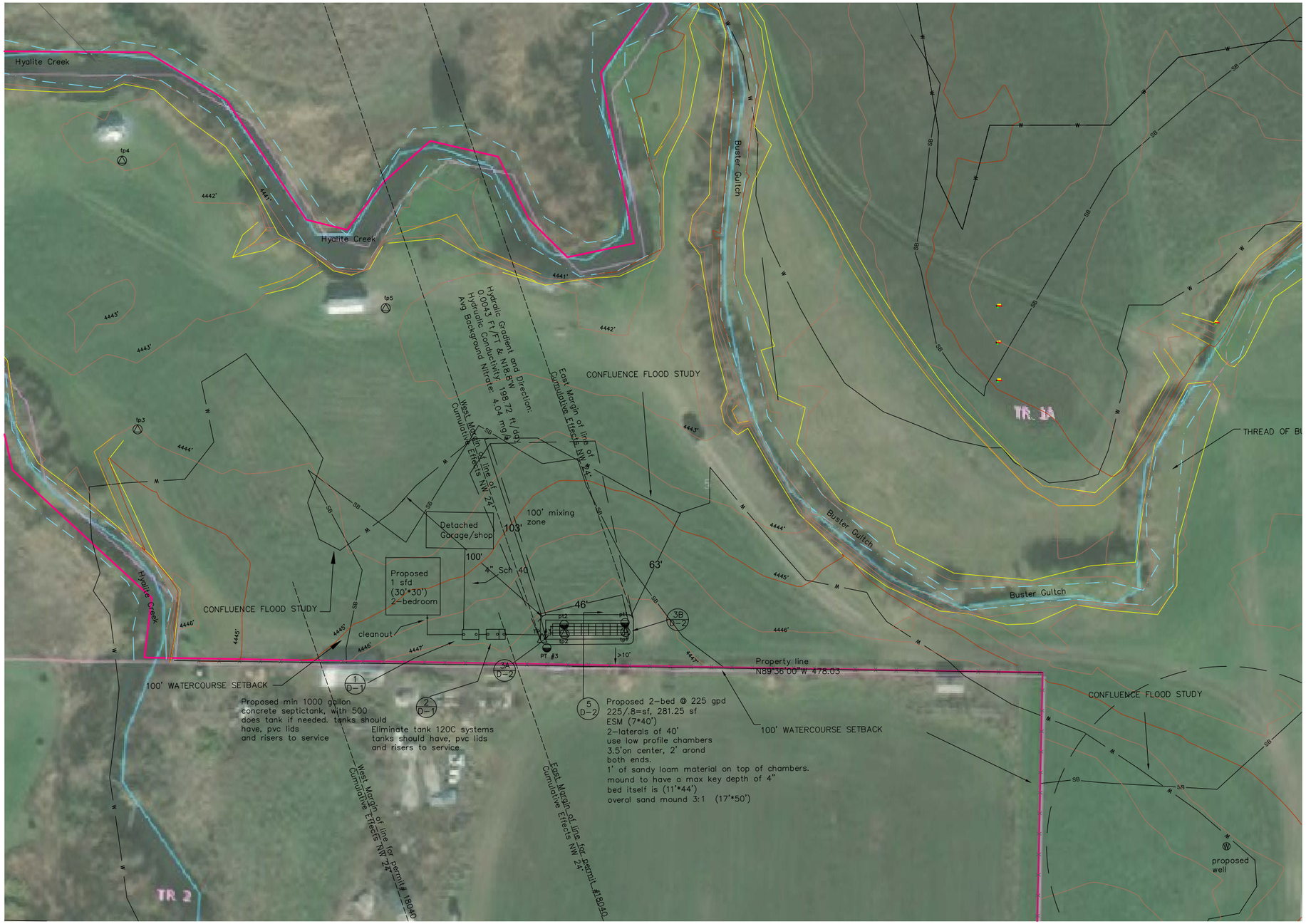

LEGAL DESCRIPTION:

LEGEND

Septic Design For 2-Bedroom Home w/detached garage.

PROPOSED REPLACEMENT DRAINFIELD AND 100% REPLACEMENT AREA

APPROVED WELL SITE

TP #1 TEST PIT LOCATION

PT #1 PERC TEST LOCATION

NOTES:

SLOPE ACROSS DRAINFIELD AND 100% REPLACEMENT AREA 13-15%

AT THIS TIME THERE ARE NO KNOWN WELLS AND/OR SURFACE WATERS WITHIN 100 FEET OF THE PROPOSED DRAINFIELDS/100% REPLACEMENT AREAS.

PRIOR TO CONSTRUCTION OF DRAINFIELD, VERIFY THAT SEPTIC SYSTEM AND ALL COMPONENTS WILL MEET ALL REQUIRED OFFSETS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

OWNER MUST DIVERT ALL STORM RUNOFF AWAY FROM ALL SEWER SYSTEM COMPONENTS TO PREVENT POSSIBLE MALFUNCTION.

ALL SEWER SERVICE LINES SHALL BE SLEEVED OR PROPERLY BEDDED FOR PROTECTION AT ALL ROAD/DRIVEWAY CROSSINGS AND PARKING AREAS. INSULATE AS REQUIRED. PRIMARY AND SECONDARY TREATMENT SYSTEM SHOULD BE PROTECTED FROM VEHICULAR/ TRAFFIC INCLUDING AGG EQUIPMENT AND CONSTRUCTION EQUIPMENT. TO PREVENT INJURY TO LIVESTOCK OR HORSES, OWNER MAY WANT TO CONSIDER FENCING OFF THE PRIMARY AND SECONDARY TREATMENT COMPONETS OF THIS SYSTEM.

ALL WATER LINES MUST BE AT LEAST 10 FEET FROM SEWER COMPONENTS.

ALL SEWER SERVICE LINES SHALL BE A MINIMUM OF 10 FEET FROM BUILDING.

INSTALLER SHOULD CALL FOR A UTILITY LOCATE 1-800-424-5555

WASTEWATER SYSTEM NOTES FOR THIS PERMIT:
1.) ALLOWABLE WASTEWATER FLOW IS UP TO 300 GALLONS/DAY.

2.) APPLICATION RATE = .8 GPD/FT2. 225/.8=281sf, ESM (7' * 40')

3.) PRIMARY TREATMENT WILL CONSIST OF MIN OF 1000 GALLON SEPTIC TANK or EQUIVALNET AND 500 MIN GALLON DOSE TANK IF PRESURE DOSE.

4.) SECONDARY TREATMENT WILL CONSIST OF AN ESM PRESSURE DOSED DRAINFIELD. THE PRESSURE DOSE SYSTEM WILL HAVE 3 LATERALS 76' IN LENGTH. THE LATERALS WILL USE LOW-PROFILE 36" CHAMBER, 4' IN LENGTH. 10 CHAMBERS/LAT. LATERALS ARE TO BE 3' ON CENTER. FOR A TOTAL OF 281 SF

Construction Notes:

Because of site conditions and proposed system type (pressure dose) would recommend using or doing the following:

using PVC risers and make system watertight and not just soil/dirt tight.
using A-Lock gasket for outlet of foundation or equivalent.
using A-Lock gaskets for inlet and outlet of tanks.
sleeving the overdig of the 4" transport line from inlet & outlet.
Biofilter should be cleanout twice a year.
pumping of the tank should be every 2-3 years depending on usage. (spring or early fall)
if pressure dose: drainfield should be cleanout out once a year by isolating one line through the use of the ball-valves and using clean water. Note: should have access to the end of the laterals to open up the line. Would cycle line once w/cap removed and one with it reattached.
would have transport line drainback into the dose tank, would add 1/8" weep hole in the bottom of 2" elbow that is closest to the outlet as it leaves the tank.

If ground water is present, may want to add ballest to the dose tank depending on the site conditions.

If a camper drop ever gets added to the system, would recommend oversizing the septic tank by a min of 1000 gallons. Would not put the stored winter effluent into the septic tank from the RV/Camper, would bring that to an approved location.

Contractor shall notify all utility companies and determine the exact location of all underground utilities before commencing work.

0 30 60

No.	Revision	By	Date

DV ● Approved ● Checked DV ● Drawn DV ● Designed DV ● Date MAR. 2012

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

PRELIMINARY NOT FOR CONSTRUCTION UNTIL APPROVED

Sheet No.
C-1