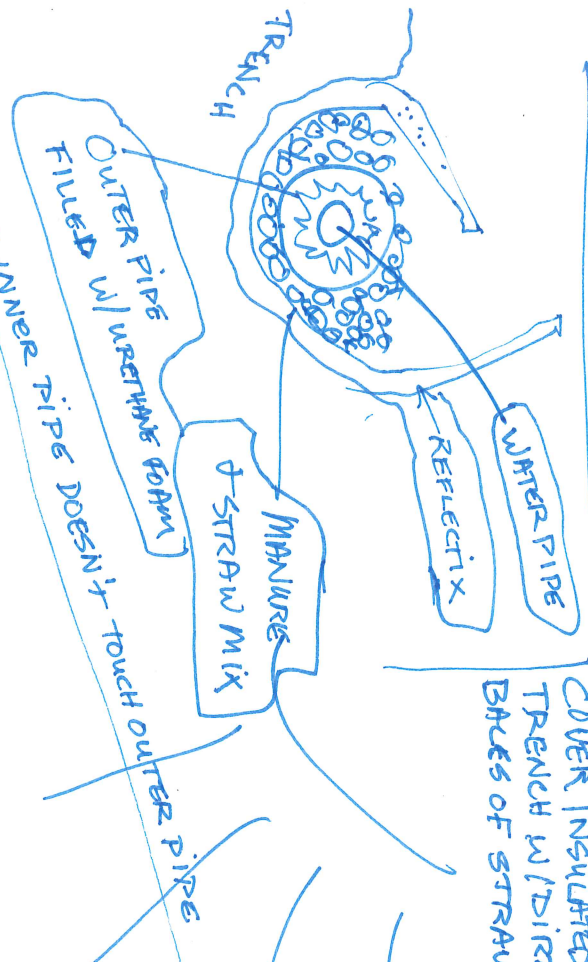
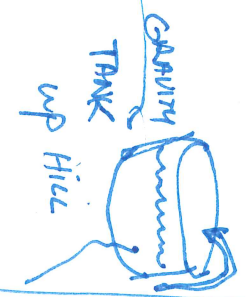


STOP PIPES FROM FREEZING



COVER INSULATED PIPE TRENCH W/ DIRT & THEN BAKES OF STRAW... COMPOSTING MANURE/STRAW MIX MAKES HEAT.



Hot water could also go to a cooling tank, could encircle a bio-fuel fermentation vat, OR Push up the hill further to a gravity feed supply tank.

* Make sure inner pipe doesn't touch outer pipe

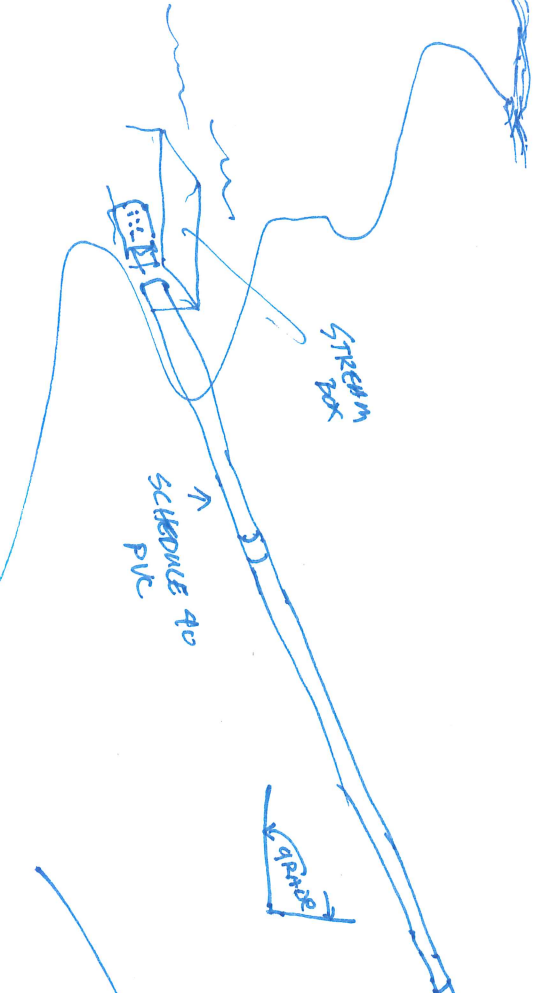
HOT WATER (Horse trough) HOT TO GREEN (Horse) HOT WATER ASSIST

WATER SOURCE COULD BE ANYTHING - SHALLOW WELL, LAKE, ETC.

LOW OPEN PRESSURE (I've gotten checks .61 psi open & 2.50 psi shut)

DRAIN/DIVERT/BACK FLUSH

BLACK POLY/PVC IN THE SUN



After establishing circuit, LARGER PIPE DIAMETERS FOR DOWNHILL FLOW COULD BE PLUMBED TO CREATE A SIPHON/VACUUM OF COLD WATER THE HILL... THE ENTIRE SYSTEM COULD PASSIVELY PREVENT COLD WEATHER TO FREEZE-UP.