

A dramatic sky with a bright sun partially obscured by clouds, creating a lens flare effect. The sun is positioned in the lower center, with rays of light breaking through the clouds. The sky transitions from a deep blue at the top to a lighter, hazy blue near the horizon. The clouds are scattered and vary in density, with some appearing as soft, white wisps and others as more defined, golden-brown patches. The overall mood is serene and hopeful.

# Solar Home

Progress 5 July 2010

# Gas & OIL speculation

- Helicopter buzzing all over countryside moving equipment



# Gas & OIL speculation

- “Thumper” trucks: Three trucks stop every 200 feet or so, then drop their tamper and “Chirp” in unison (about 5 hertz to 100 hertz). Geophones are emplaced over the entire country side listening for the returns.





# Finally found septic tank



The crushed vent pipe ( I was told it was just a clean out) is what I was excavating so that I could repair it

# The boom did not have enough

- The tank has not been opened in 12 years so the cover was fused shut.
- Could not get cover open with straight pull on the backhoe.





# Use bucket rolling force to get it open

- Used a 4x4 as fulcrum



# Repairs complete

- Tank was pumped
- Vent pipe repaired
  - Each red/white stripe is 2 inches
- Emplaced reflector over cover so it could be found.
- Filled back in





# Meet Phillip (Ground Hog)



Lives under my shed





# Security Camera Clusters installed

- A cluster of 3 on the back deck
- These are night vision capable to 100'



Front cluster





# Security System ToDo

- Cameras to mount
  - 1 more outside camera
  - 2 more inside cameras
- Wire up the DVR systems and camera power supply
- Hook into internet

# Solar Inverter equipment

- Batteries wired in
- Connected to Grid as backup power
- Charged batteries from grid as initial test.
- Still To Do
  - Wire to solar panels
  - Transfer circuits from grid breaker panel to solar breaker panel
  - Button everything up and neaten





# Solar Panel Mounting Frame

- Base is 12x24 feet
- Supports 4KW of panels.
- 4x6 Posts are sunk 36 inches and are anchored at bottom with rocks set into 40 pounds of concrete



Backhoe made the hole digging a snap (Every boy should have one)





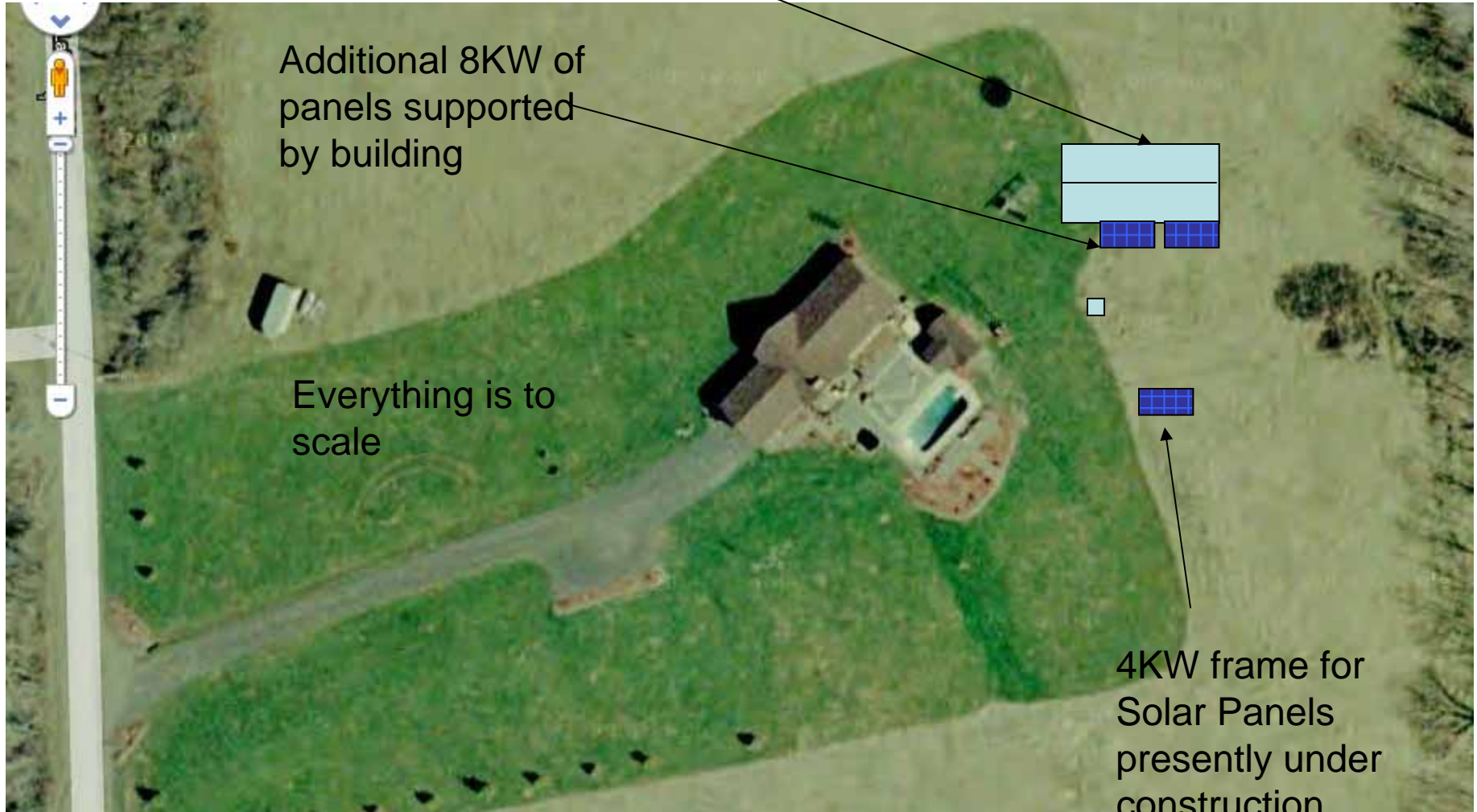
# Solar Panel Mounting Frame

- 5 out of 6 posts were sunk and filled in before operations ceased.



# The master plan

Future: 35x70 Steel building  
(Workshop/Storage/Tractor Garage)



Additional 8KW of panels supported by building

Everything is to scale

4KW frame for Solar Panels presently under construction



# Other items complete

- DSL installed
- Satellite TV and telephone
- Permit process started on 35x70 steel building
- Contacted surveyor to establish north boundary