

# Jessie's Sunshine Farm



# Roads, Water and Fence Inspections

## Content

Road Inspection	1
Water Line Inspection	2
Fence Line Inspection	3
Electrical Inspection	4

When inspecting roads, water, or fences we want to look for failure, broken and missing parts.

We will look for the following appearances and items. We either correct them immediately because they are easily to be corrected or repaired and not very time consuming, or we will put them into the Deficiencies List with photo documentation. After company meeting it will be transferred into SINGLE TASK to be scheduled for repair.

## ROAD INSPECTION

### *How to do Road Inspection and Repair:*

- Walk ALL access roads, main roads, and side roads.
- Observe left and right side
- Inspect the issues
- If there are issues as described below and cannot be fixed
  - write them down in details
  - have them transferred into the Deficiency List,
  - take photo
  - determine material and solution
- Fix all broken, fallen, or missing Row Labels
- Fill up holes and cutouts with gravel
- When grass is >2 feet cut or spray it
- Keep the grass on the WAR and UAR shorter
- Include two feet left and right of the road, Fruit Trees
- Make sure water pools are drained
- Make sure water cannot build pools, when possible
- Repair erosion control on the upper side of roads
- Create new erosion controls where needed
- Repair spillways and bridges.
- Repair concrete drainage crossing

# WATER LINE INSPECTION

## *How to do waterline inspection*

Start at the water supply from BRGY to Filtration Station

1. Shut off water line at Filtration Station, supply valve at the first drum inlet.
2. **Go to the Water Meter.**
  - a. Look if it is spinning or not.
  - b. If the meter is spinning there is a hole in that portion.
  - c. Fix the leak
  - d. After fixing it, make sure that the meter is not spinning.
  - e. If the meter is not spinning the line is ok
3. Turn the filtration supply valve back on, to open.
4. **Go to the Filtration Station**
  - a. Check the inlet float valve
  - b. Check all barrels, pipes, connectors for leaks
  - c. Fix leaks.
  - d. Clean platform from debris
  - e. Check security system and light
  - f. Check all covers, the mosquito netting, and tie wire
5. **Go to the Holding Tank**
  - a. Make sure the pressure pump is working by opening the adjacent water tap. Pump must come on.
  - b. If pump doesn't come on, check power cables.
  - c. But if pump comes on every so often there is an issue after the holding tank. Look for:
    - i. A water tap might not be closed, close the tap
    - ii. A Hose might have fallen off, reattach and close tap
    - iii. A cut might be in the line, replace section
  - d. Fix all and any issues
  - e. If pump comes on ONLY when faucets are opening the system is operating normal.
6. **Go to the Cistern tank**
  - a. Make sure the 4" PVC troughs are ok and channeling the water correctly.
  - b. Check the blue barrel: stand, piping, and connections into the cistern.
  - c. Open the catch pipe to release silt and mud. Close it again
  - d. Check cistern for major cracks and water leaks in the wall.
  - e. Check on inlets and overflow
  - f. Fix what can be fixed in a timely manner. Bigger issues have to be documented in the Deficiency List
  - g. Check the level of the cistern, the mosquito netting
  - h. Check the outlet and supply pipe to the filtration system.
  - i. Check the Check Valve in the Barangay waterline.

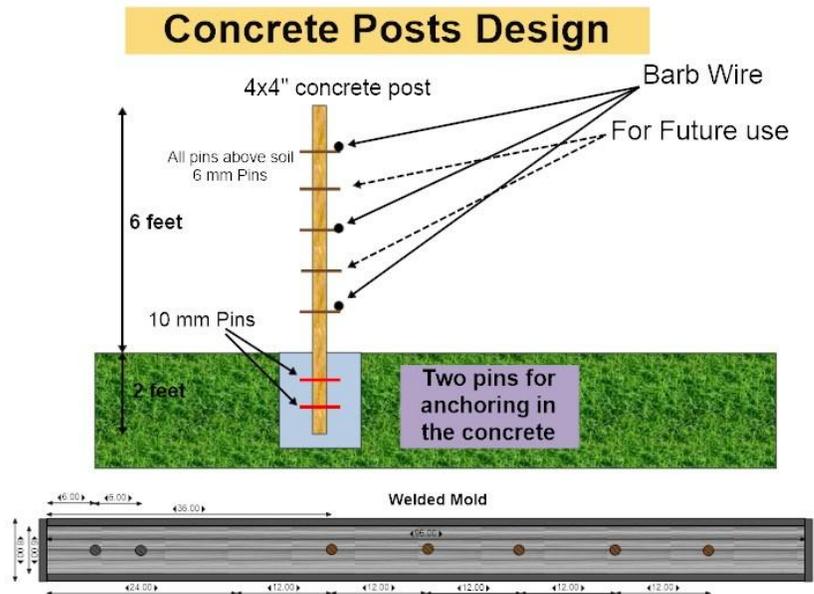
Later we will put in float switches to have optical controls for failure, low level, and high level.

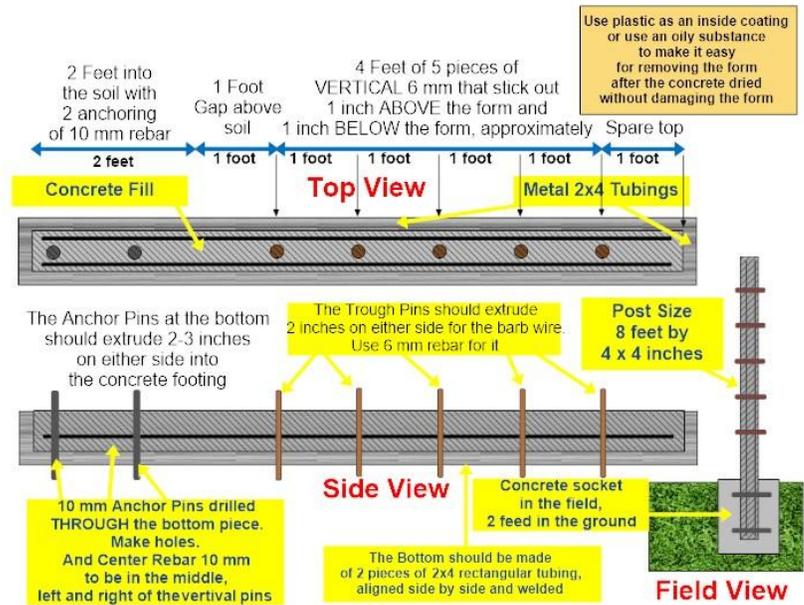
**Also investigate the following**

- Check and repair broken water lines
- Check and repair broken valves
- Check and repair broken water pumps
- Check and repair broken faucets
- Check and repair broken overflows

**FENCE LINE INSPECTION**

- Walk around all fence lines, if there is not enough time do part when due and the other parts next time.
- Clean fence from overgrow, the weight will destroy the fence.
- Repair barbwire.
- Repair posts when possible, if it is not possible put it on the Deficiency List
- Replace broken bamboo posts, see drawings
  - a. Replace broken fence posts with concrete ones, see drawings
  - b. Remove old concrete
  - c. Pour new concrete into place
  - d. Build PVC posts three days prior to using them. Need to dry





- Report NEW missing fence lines
- Report landslides and flooding
- Fix and report damage due to "squatter activities"

## ELECTRICAL INSPECTION

- Make sure all appliances are working
- Turn on freezers and fridges that are turned off. Do this at least every two months
- Check wires for burns and damages
- Make sure to **turn off any power** if you attempt to repair
- Report and document danger due to hanging high voltage lines
  - Leaning posts
  - Clearance less than 5.5 meters (EBRS) Do NOT measure, just estimate
  - Falsely hanging transformers