Soil Diagnosis - Remediation & Management Programs for Enhanced Plant Health

Initial Visit: Collect Soil Sample
Complete Visual Inspection and Use On site Diagnostic Tools

Is tree under stress?

- → **Always Proceed with Soil Testing**
- → **Proceed with Critical Care Program**

Always Proceed with Soil Testing →

Prioritizing Recommendations

1. Correct pH
2. Adjust Calcium Levels
3. Relieve Soil compaction
   - -Bio-AER or equivalent
   - -Radial Trenching with soil amendments
4. Correct Organic Content
5. Increase Biological Content and Food Resources
6. Soil Injection of Nutrients

→ **Proceed with Soil Test Recommendations**

Proceed with Critical Care Program →

Is foliage nutrient deficient?

- → **Proceed with Soil Test Recommendations**
- → **Begin Foliar Program**

Proceed with Soil Test Recommendations →

Is soil still compacted?

- → **Begin Foliar Program**
- → **Create Long Term Care Program**

Begin Foliar Program →

Create Long Term Care Program

Possible Components:

- **Tree Growth Regulation**
- **Foliar Applications**
- **Target Zone Applications**
- **Full Canopy Soil Applications**
- **Bio-Tea or Other Biologicals**
- **Other Applications Resulting from Ongoing Monitoring**

Third Year Soil Test

Implementation of Recommendations

Considerations for Long Term Care Program

1. Access to Root Zone
2. Desire to Maintain Physical Size
3. Budgetary Constraints
4. Other plant maintenance programs used on the property not under your control
5. Progress Towards Sustainability

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