



GREENVALE TREE COMPANY

Addendum to original arborist report May 18, 2016

Date December 13, 2016

For: City of Morro Bay
Whitney McIlvaine
Contract Planner

Task: Review site for trees that may be affected by removal of concrete tank bottoms, pads and shotcrete on containment berms.

Trees that are impacted by the removal of concrete are marked with numbered aluminum medallions nailed to the trunks of the tree. I will refer to the trees that have not already been reported on in the original arborist report.

In general – all trees affected by Tank bottoms and pads have already been looked at and we recommended removal for the tank demolition. The two additional trees that are newly identified, and a few others previously tagged, will be impacted but can be saved.

Shotcrete breakage and removal – since the area that will be affected is not large if care is taken and if caution is used all trees can be saved when removing shotcrete.

- 1) Lift the canopies of the trees by removing the lower tree limbs that touch the slopes or would interfere with breaking and removal operations. You can easily lift these trees ten feet.
- 2) Break the shotcrete using sledge hammers or the backside of a backhoe. Breaking in this manner about 1½ times the dripline. Dripline is measured from the trunk of the tree to the outermost tip of the longest (horizontal) branch.
- 3) Clear debris carefully by hand so as not to bruise or tear roots that will now be exposed.
- 4) Cover roots with wood chips once the operation is complete to protect roots and to keep area moist.
- 5) If a root is torn or badly damaged a certified arborist should be called to determine the best way to repair damage
- 6) Once work is complete use tree protection as per the original arborist report before tank and concrete demolition.

North Tank

197 – Newly identified. Tree is outside of shotcrete but close and roots may be surface just below. Use caution when removing shotcrete.

#53 – previously identified as needing protection. Tree is outside of shotcrete but close and roots may be surface just below. Use caution when removing shotcrete.

#56 – previously identified as needing protection. Tree is outside of shotcrete but close and roots may be surface just below. Use caution when removing shotcrete.

South Tank

#198 – Newly identified. Tree is outside of shotcrete but close and roots may be surface just below. Use caution when removing shotcrete.

I also noted that there is a fallen tree above the North Tank berm and concrete pad above that berm. This tree apparently has root rot which is why it failed. Remove this and chip so rot will dry and become unviable. Chips from this and the other trees can be used as mulch as mentioned in step 4 above.

Sincerely

Chris Stier,

ISA Certified Arborist, #WE-9262A

*Diagnosis was made with observation, history and sound arboricultural and horticultural knowledge. It is always possible that other, or different problems exist that may contribute to the decline and death of plants. Further evaluation may be warranted if the steps above do not work. Pathology tests and other lab analysis are available.