Aerial Photo of Existing Site
Site Plan for New Waluga Reservoir 2

New Reservoir Statistics

- Concrete/cable construction to highest seismic standards
- 40’ tall side walls
- 50’ tall at peak of domed roof
- 130’ diameter
- Construction schedule
  May 2014-July 2015
Construction Limits

* No construction, storage or tree removal outside this area
Site Re-Development Plan

- 171 trees removed
- 254 trees replanted
- Invasives removed
- Understory replanted both inside and outside the construction zone
Upland Forest Tree Species to be Replanted

_Acer macrophyllum - Big Leaf Maple_
Growth Rate: Fast, 25' or more per year
Mature Size: 60-80 tall x 100-150 wide

_Alaria rubra - Red Alder_
Growth Rate: Fast, 25' or more per year
Mature Size: 40-50 tall x 20-35 wide

_Cornus nuttallii - Western Flowering Dogwood_
Growth Rate: Moderate, 15' - 24' per year
Mature Size: 40 tall x 25 wide

_Pseudotsuga menziesii - Douglas Fir_
Growth Rate: Moderate, 18' - 24' per year
Mature Size: 80' - 120' tall x 30' wide

_Thuja plicata - Western Red Cedar_
Growth Rate: Moderate, 12' - 24' per year
Mature Size: 50 - 70' tall, occasionally 100' tall x 15' - 25' wide

_Quercus garryana - Oregon White Oak_
Growth Rate: Slow, less than 12' per year
Mature Size: 60 - 90' tall x 70' - 120' wide
Upland Forest Understory Plants for Restoration

Acer Circinatum - Vine Maple
Growth Rate: Moderate
Mature Size: 15-20' tall x 15-20' wide

Oemleria cerasiformis - Indian Plum
Growth Rate: Fast
Mature Size: 15' tall x 15' wide

Sambucus racemosa - Red Elderberry
Growth Rate: Fast
Mature Size: 12' tall x 12' wide

Ribes sanguineum - Red Flowering Currant
Growth Rate: Moderate
Mature Size: 6' tall x 6' wide

Mahonia aquifolium - Oregon Grape
Growth Rate: Slow
Mature Size: 5' tall x 3' wide

Polystichum munitum - Western Swordfern
Growth Rate: Moderate
Mature Size: 5' tall x 4' wide
Street Level Line-of-Sight

Section Elevation A
Scale 1" = 16'-0"
South Visual Line-of-Sight

Dashed yellow line shows actual outline at of tank elevation from Parkhill. Tank will be behind the tree screen.
Dashed yellow line shows actual outline at of tank elevation from Manchester. Tank will be behind the tree screen.
Finished Water Pipeline (associated with new reservoir)

- 1,200 feet of 24-inch pipeline
- Open cut construction
- Route avoids tree impacts
- Typical 3 feet of cover over pipe
- Construction schedule:
- Contractor staging area in parking lot
- Contractor will restore parking lot following construction