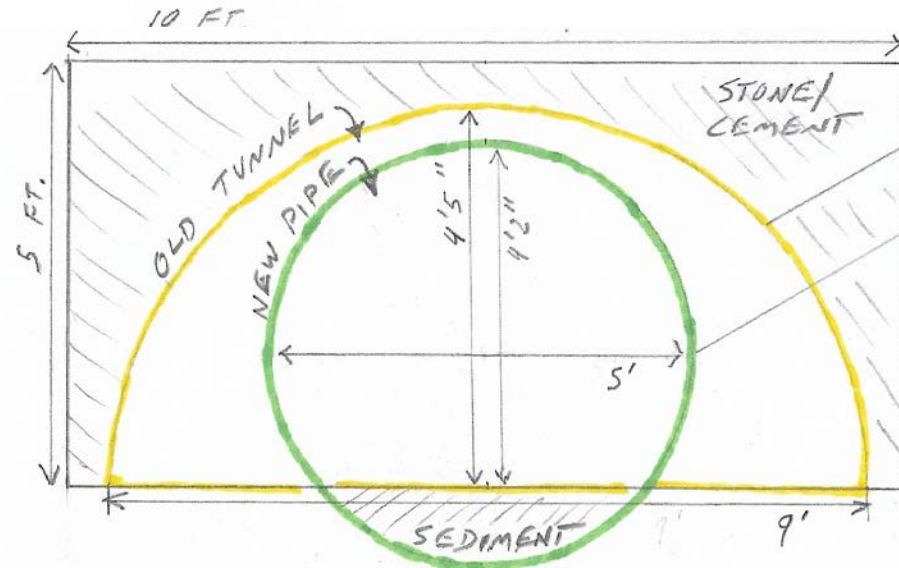


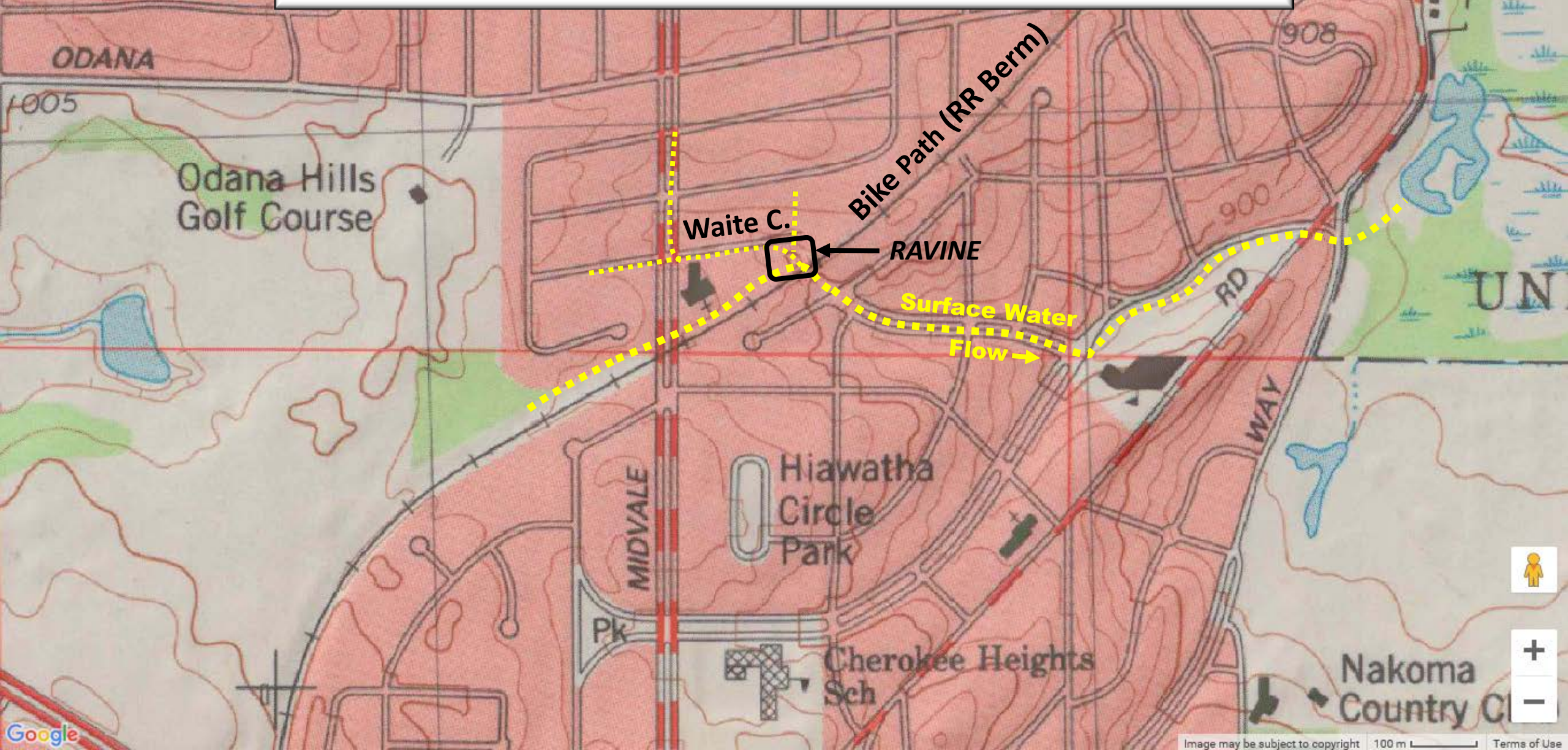
Reduction in Drainage at Bottom of Ravine (under Bike Path): Old Tunnel (Arch) replaced by Box Culvert in Fall of 2017



Old Tunnel cross-sectional area = 31.8 sf

New Pipe cross-sectional area approx 19.6 sf

Location of Waite Circle, Ravine, and Storm-Water Flow to Outfall at Arboretum (100 ft. vertical drop from Waite Circle)



2018 Flood Elevations as marked on Tree at top of Berm (Rim) of Ravine



Location of Bike Path
(south of Ravine)

8/20/18 Flood

6/16/18 Flood



Waite Circle