

Long Lake North Landing

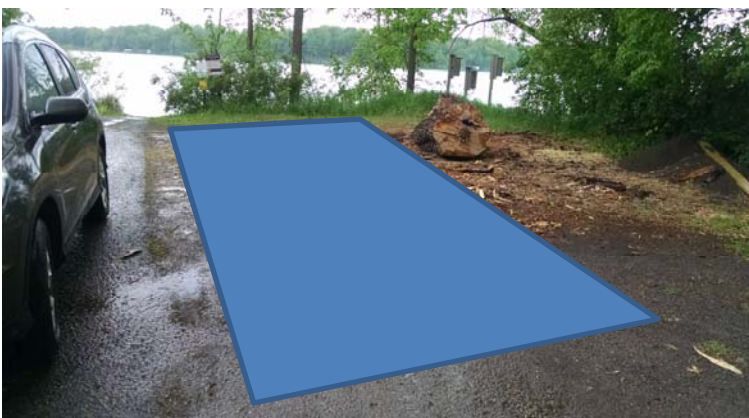
Stormwater Mitigation



*Runoff flows down entire landing driveway to the lake (5/23/16)
(4,500 ft² of hard surface – need 937.5 ft³ of rock infiltration area to capture a 1” rain.)*



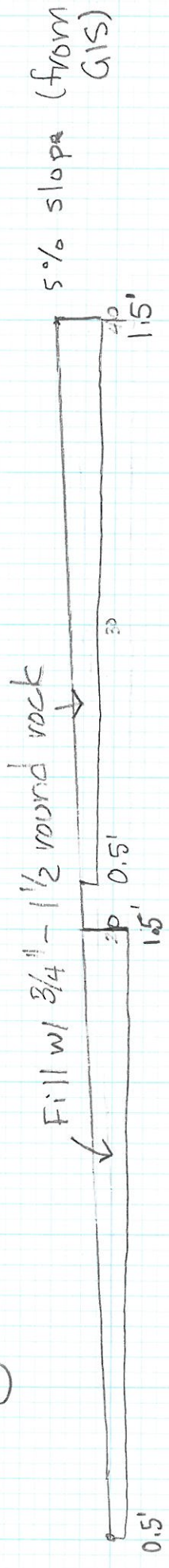
*Install rock infiltration area under parking areas. Keep shallow to maintain separation to water table (approx. 8ft X 40ft. X 0.5 ft = 160 ft³)
6 yards*



*Rock infiltration
(approx. 12ft X 40ft X 0.5 ft = 240 ft³)
9 yards*

*Rock size for both 1 1/2” clean, **level bottom**, rock across entire surface currently dirt. Could be a bit smaller rock if need be, but should be round and uniform in size.*

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$$20 \times 12 = 240$$

$$18 \times 12 = 216$$

$$20 \times 1 \times 8 = \frac{160}{400}$$

$$18 \times 1 \times 8 = \frac{144}{360}$$

15 yards

13 yards

* Bottom Flat *

(higher)
2nd step could be deeper but would take more rock.

Town agreed to haul 15 yards from pit w/i 20 miles

Need additional rock to account for slope

Town contact for hauling:

Dave Dumke

715-296-0703

9/21/16
C Clemens