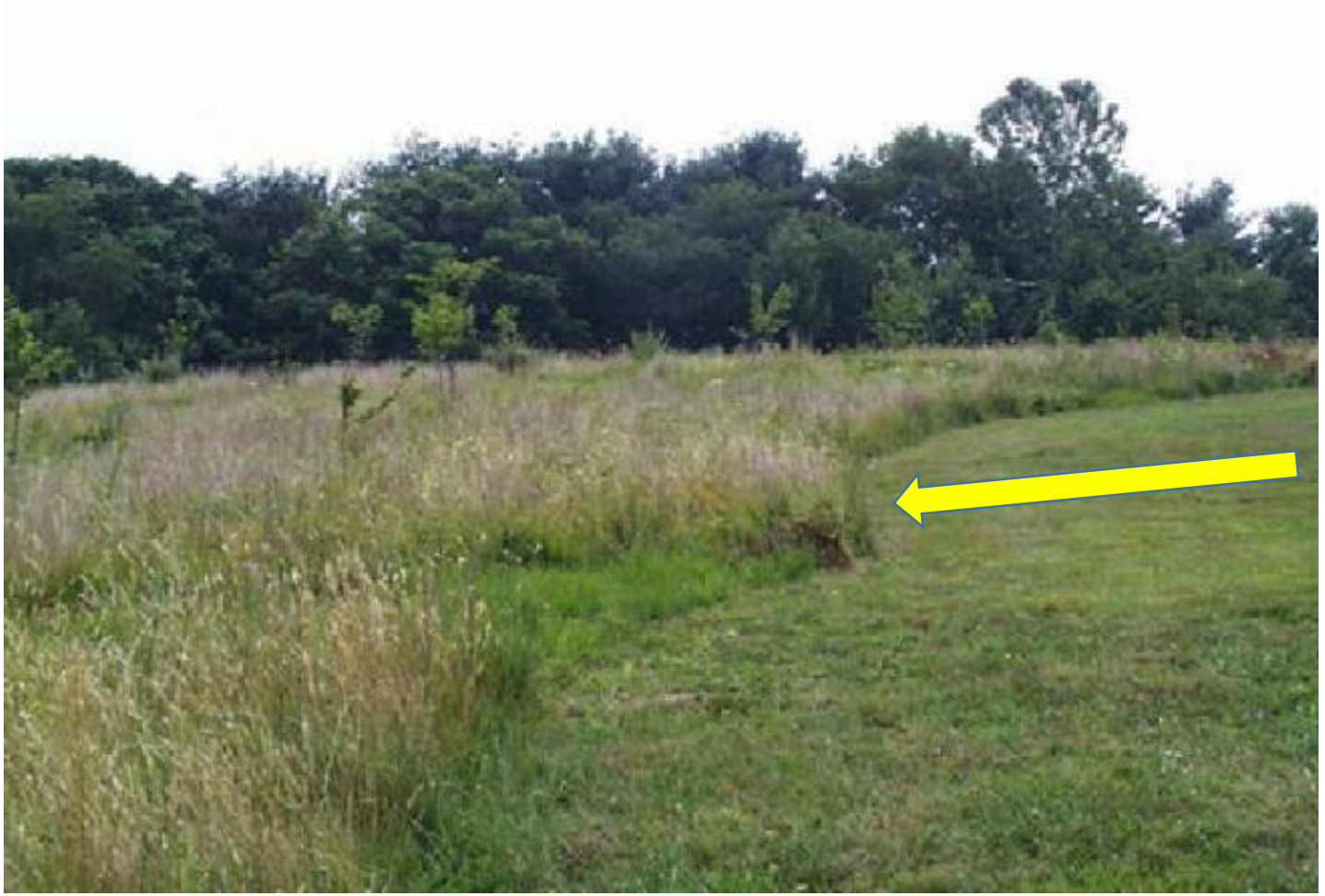
Sheet Flow to Vegetated Filter Strips & Conserved Open Space

Q1: Would this be a good time to conduct a post-construction inspection for this Conserved Open Space area?



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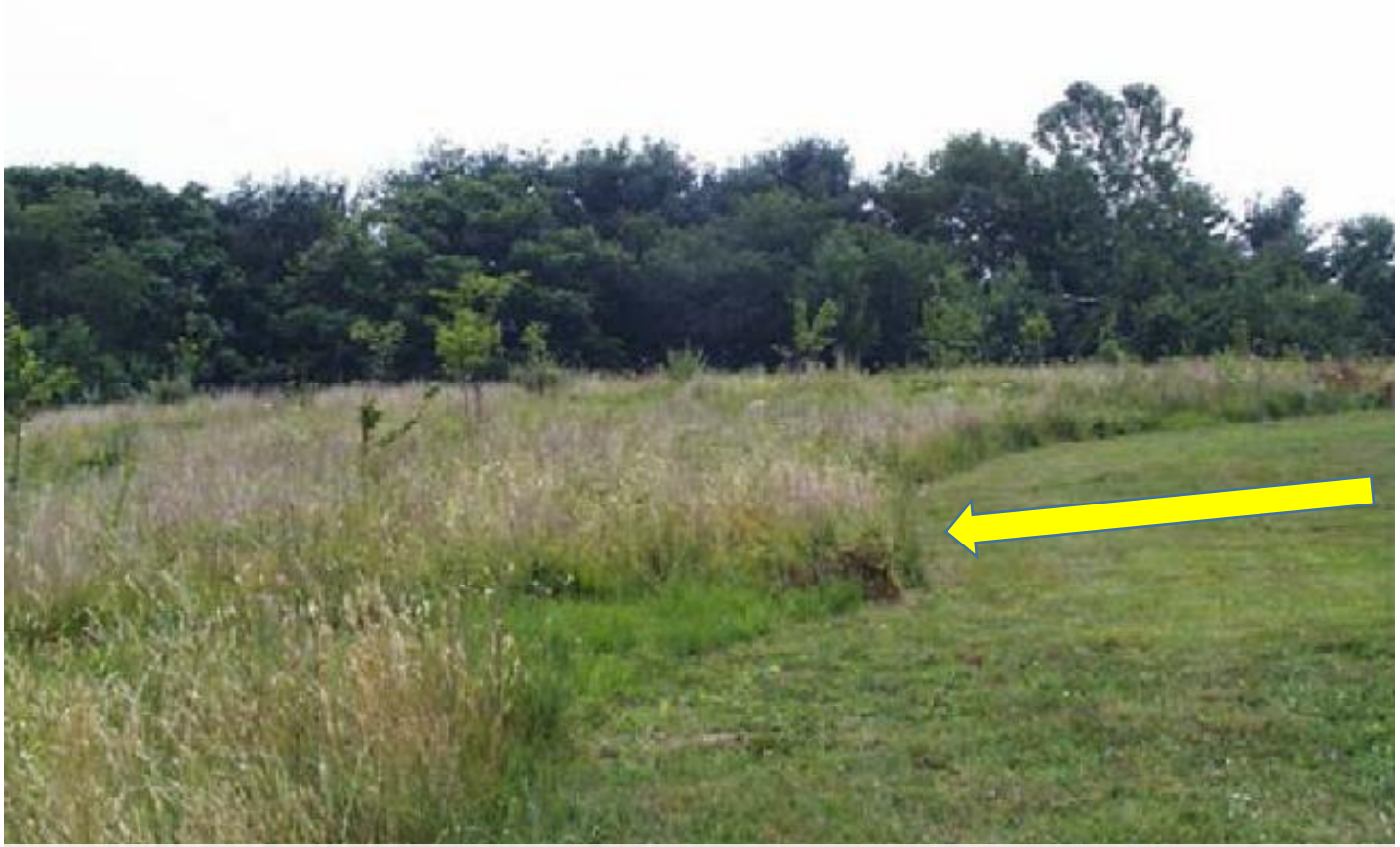
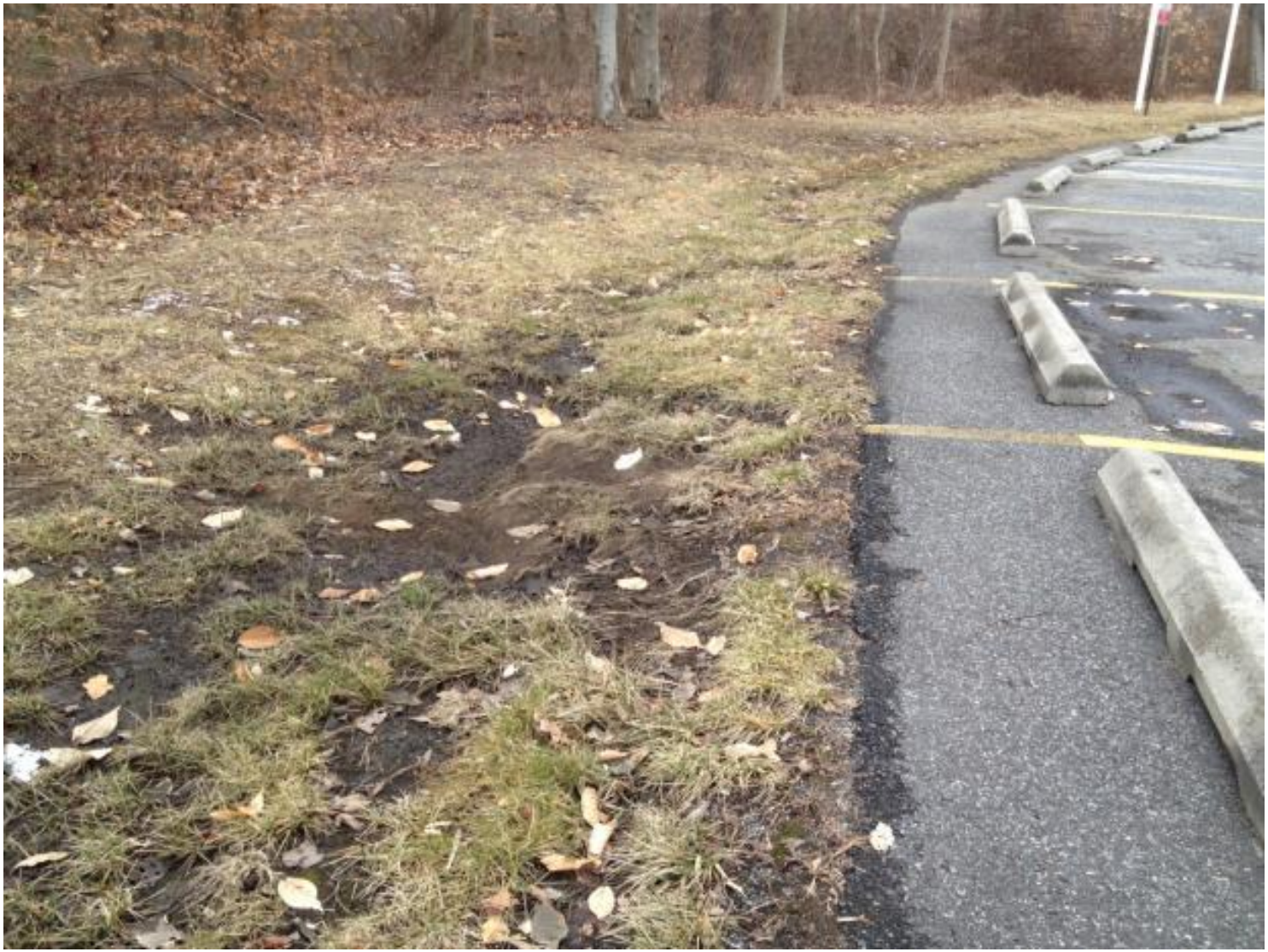


A: Seems good – recommended to do an inspection in the non-growing season to see flow path. SECTION 9.2.

Q2: You are doing a post-construction maintenance inspection of this filter strip. What should the vegetative cover density be?



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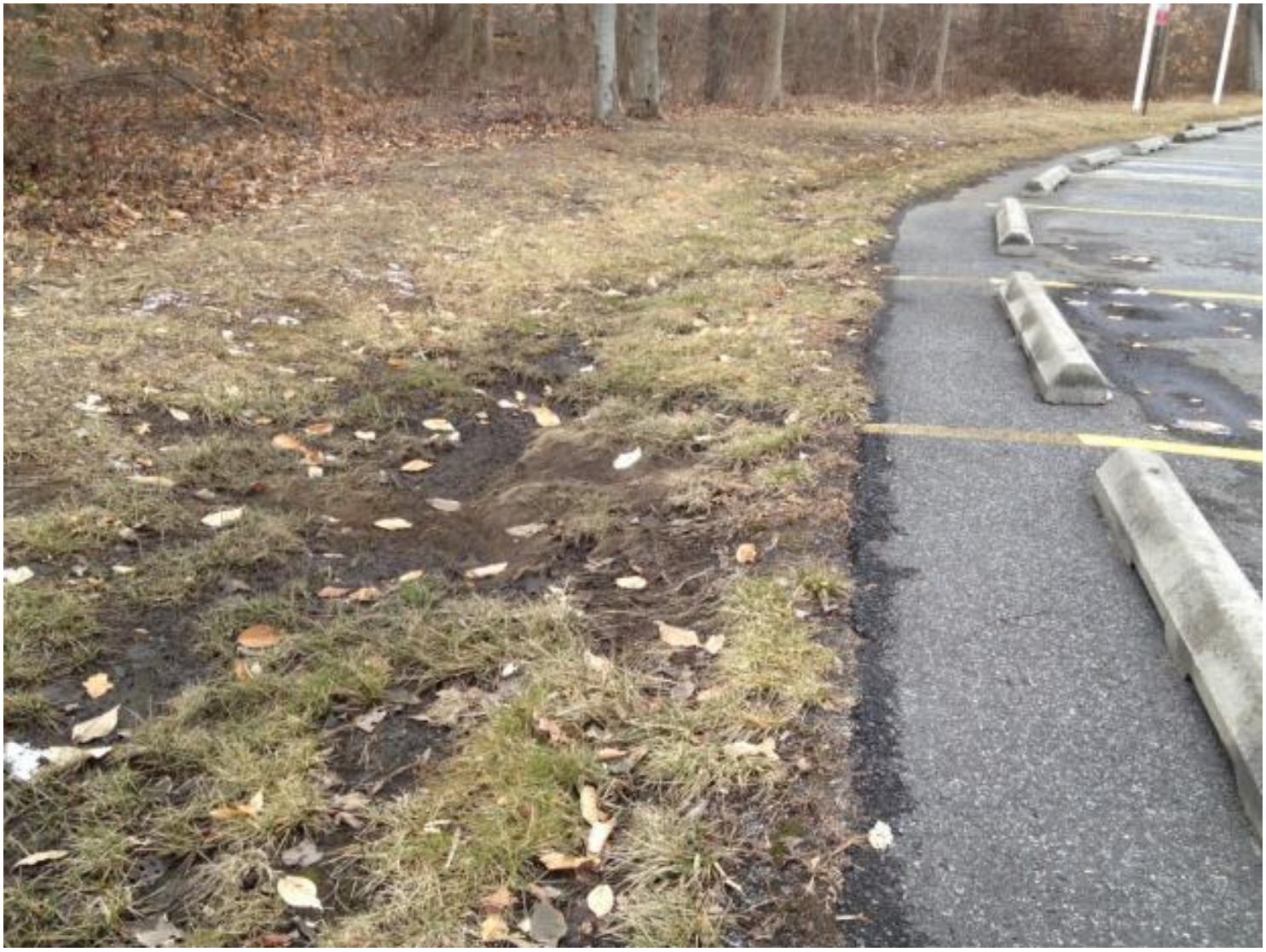
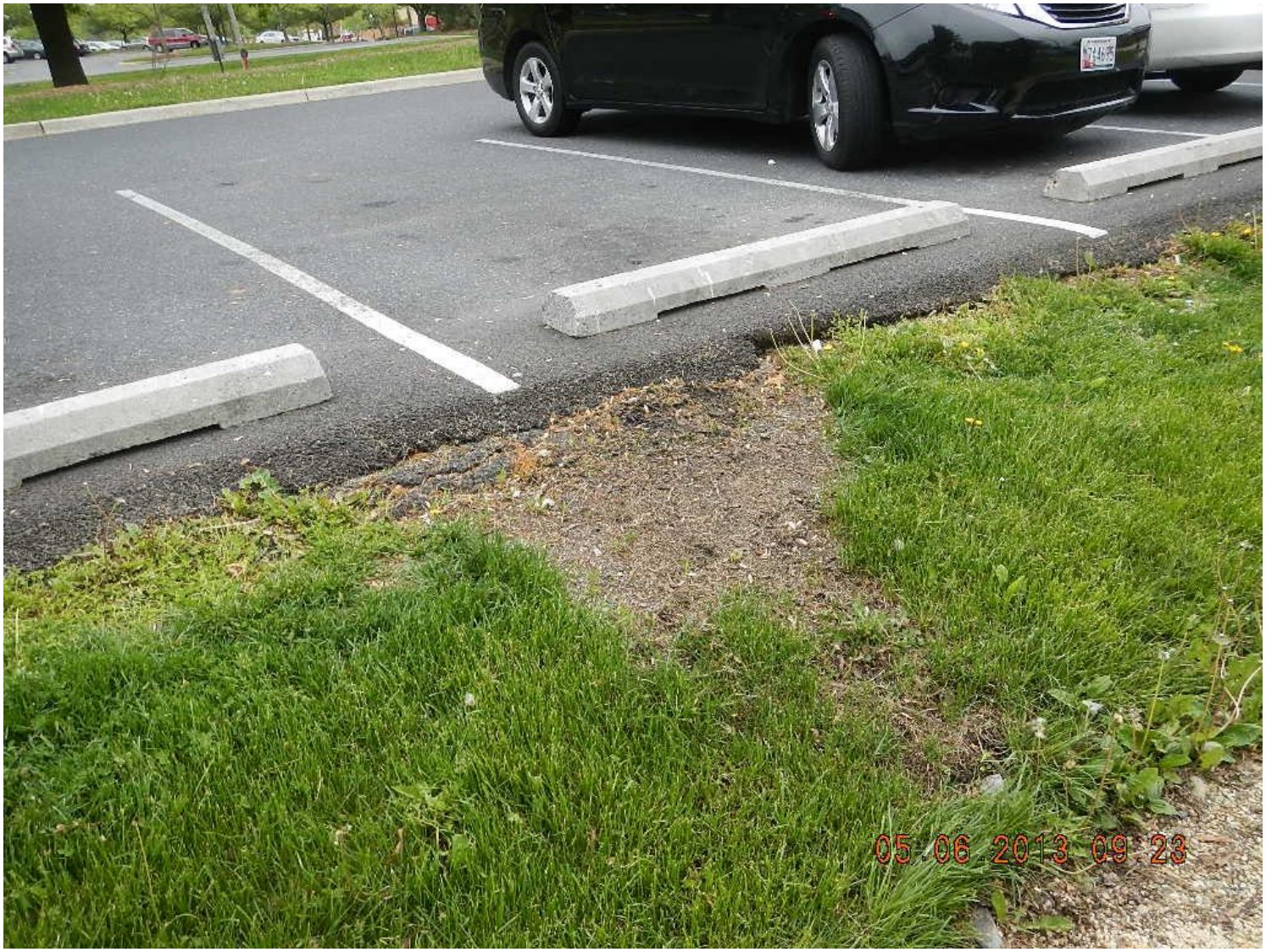


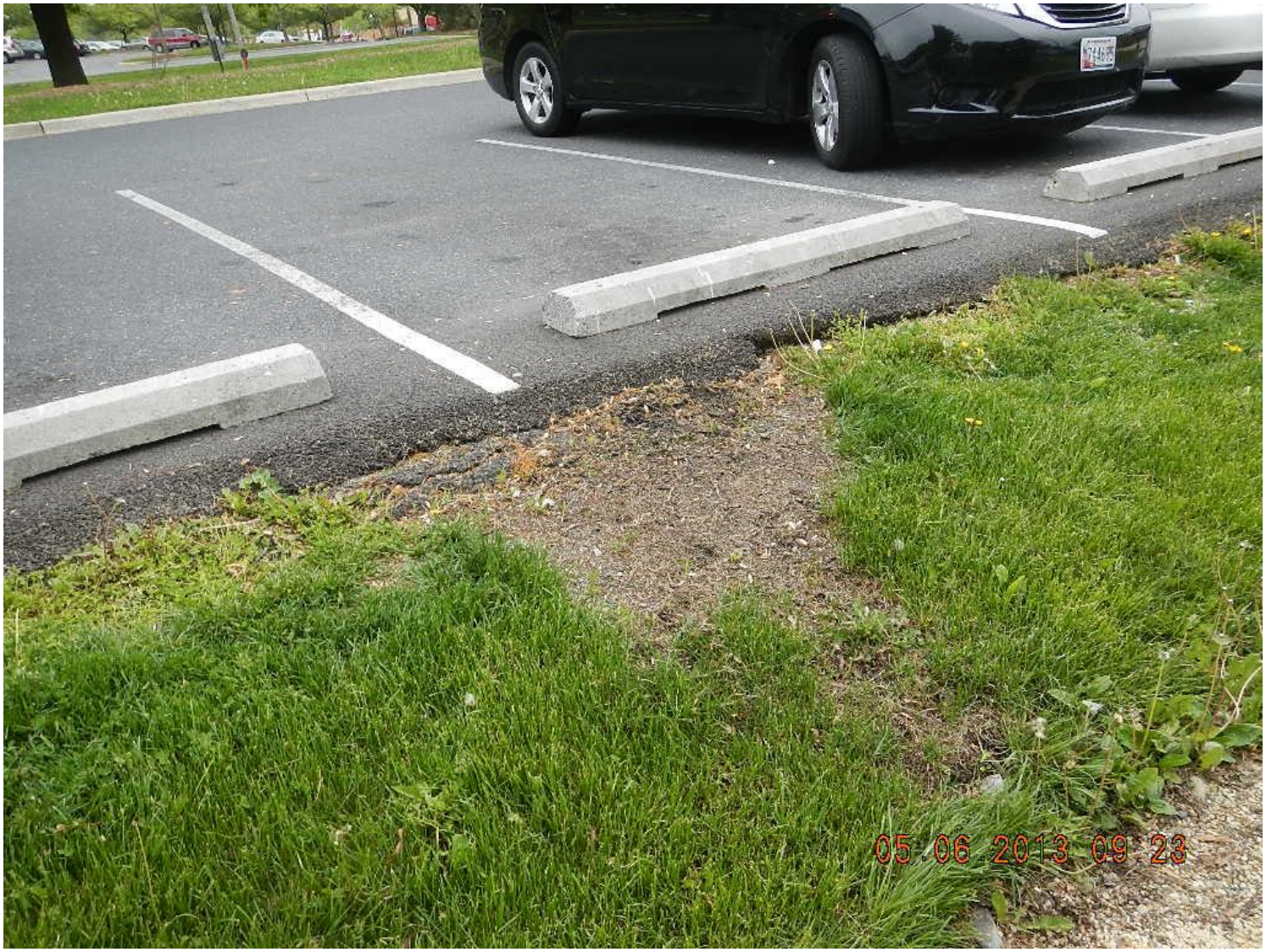
A: 90% cover. SECTION 9.2.

Grass Channel Exercise

Q3: You are doing a post-construction maintenance inspection of this grass channel. What is your assessment of the grass filter strip to grass channel shown below?



Q3: You are doing a post-construction maintenance inspection of this grass channel. What is your assessment of the grass filter strip to grass channel shown below?



A: Shows signs of erosion – stormwater is concentrating at this location.

Permeable Pavement Exercise

Q4: You are conducting a post-construction maintenance inspection, and see the following. What do you think the cause is and recommended solution?

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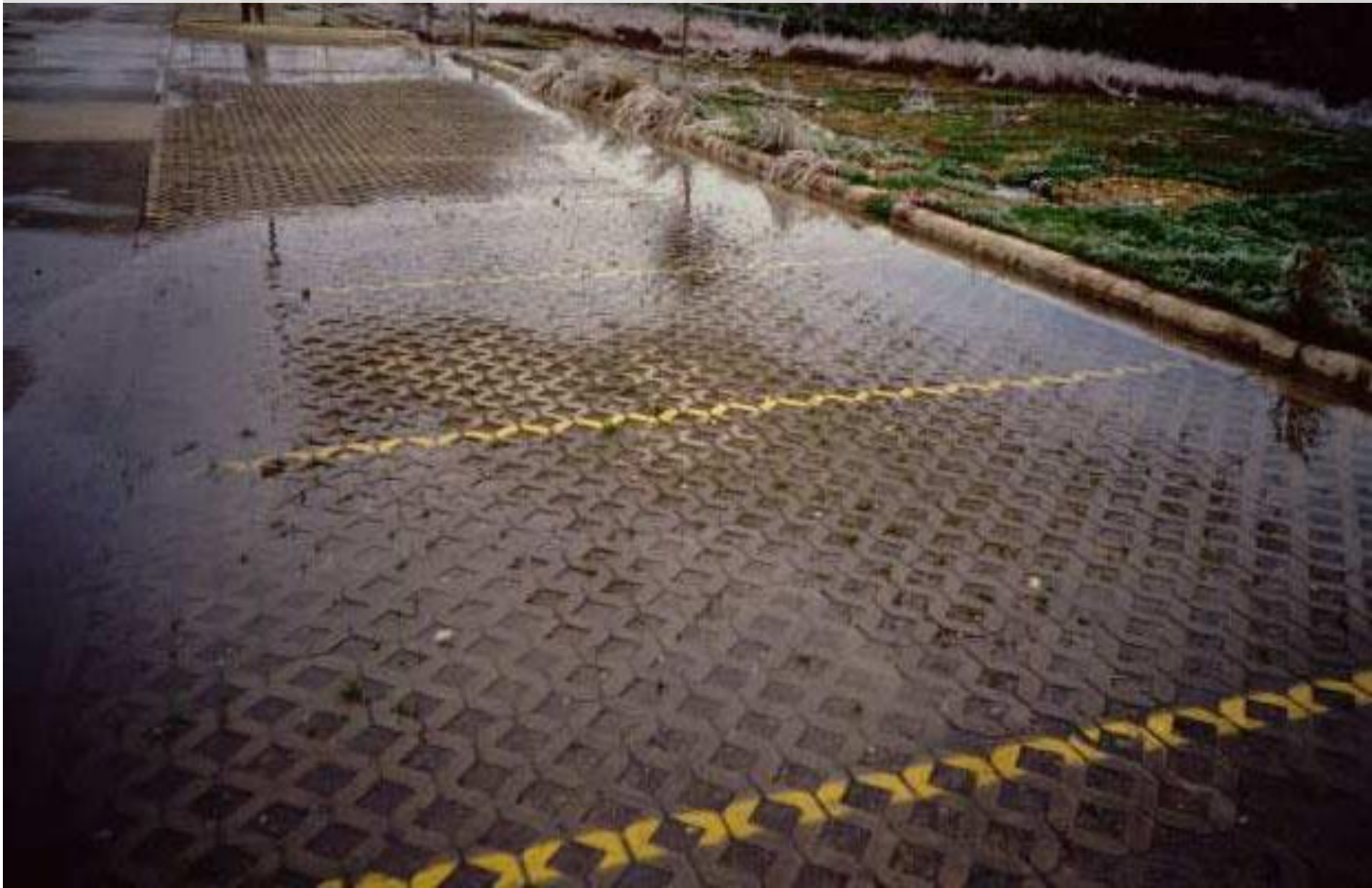
A: Tree roots or other source causing structural damage. These sections need to be replaced and any obstructions removed.

Q5: Another post-construction inspection reveals the following. Assuming there is an observation well, water should be drawn down in the well how many days after a storm event of ½ inch or more? What are probable causes of this clogging?



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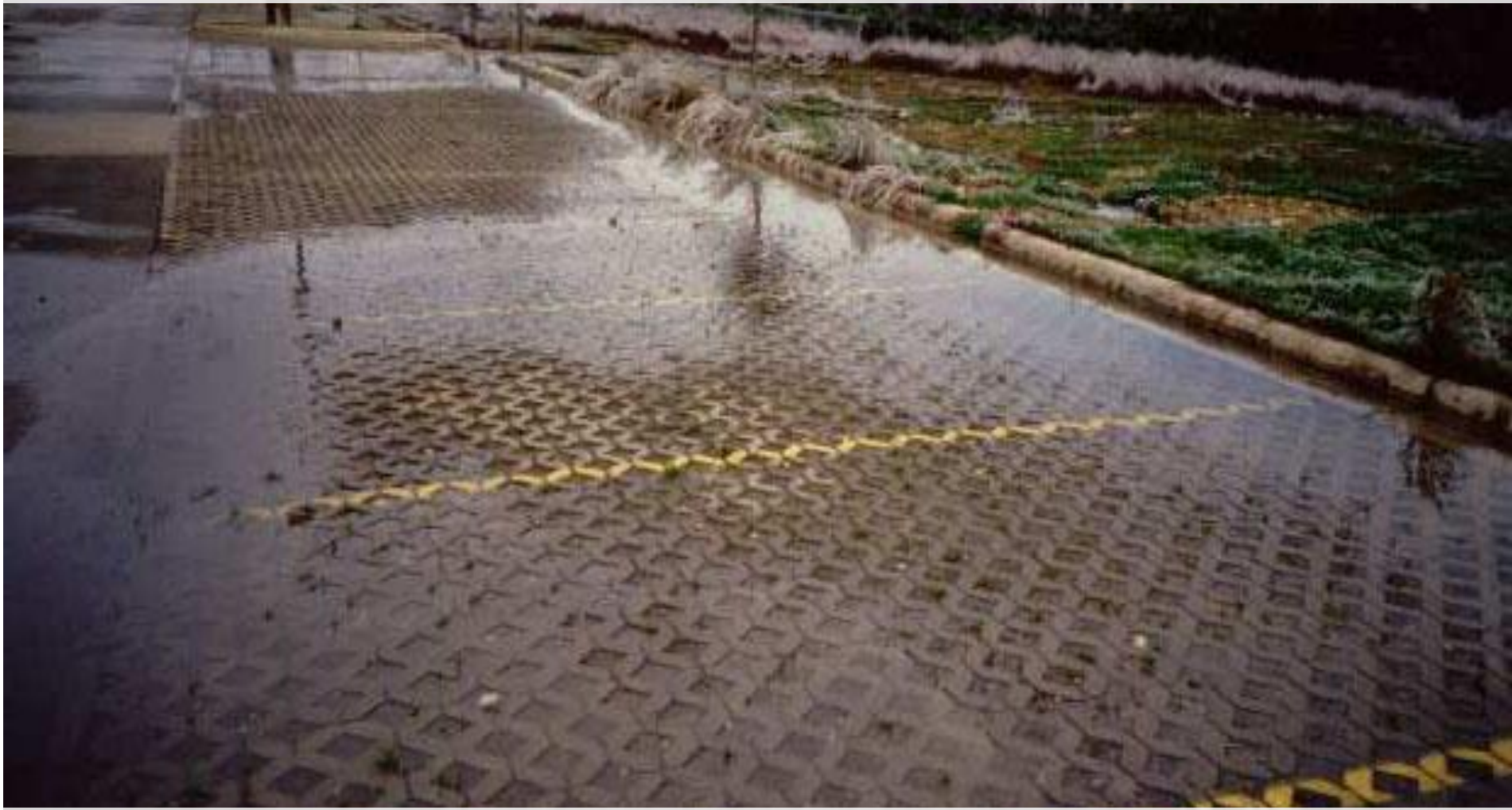


A: No standing water in observation well after 3 days. SECTION 9.3. Winter sanding could be problem here or other more serious issues with design/installation. Schedule vacuum sweeping in spring to see if it fixes problem. Could require rebuild.

Bioretention Exercise

Q6: You are doing a post-construction inspection. Which of the following is NOT an acceptable condition for vegetative cover?

A

B

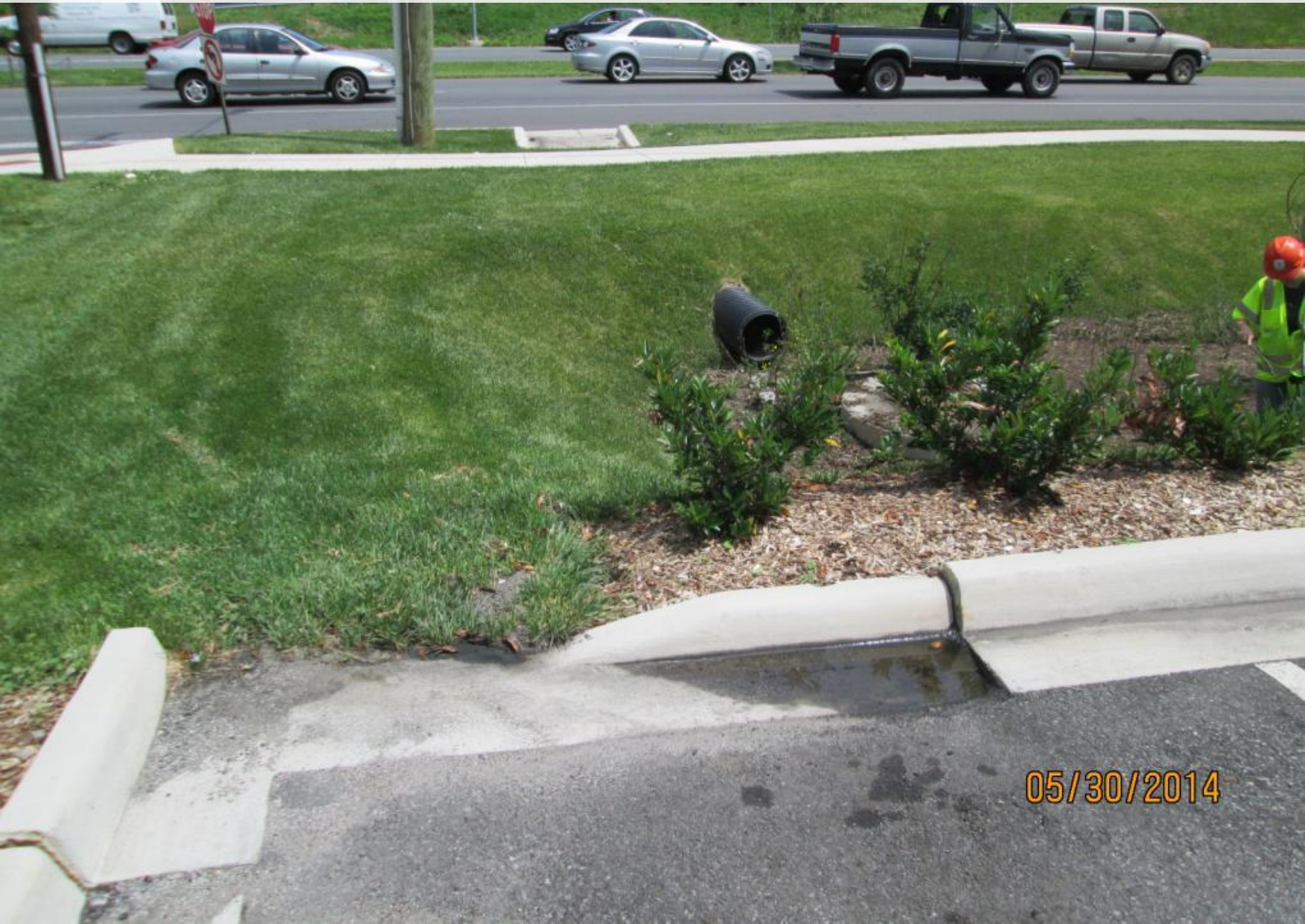
C

D

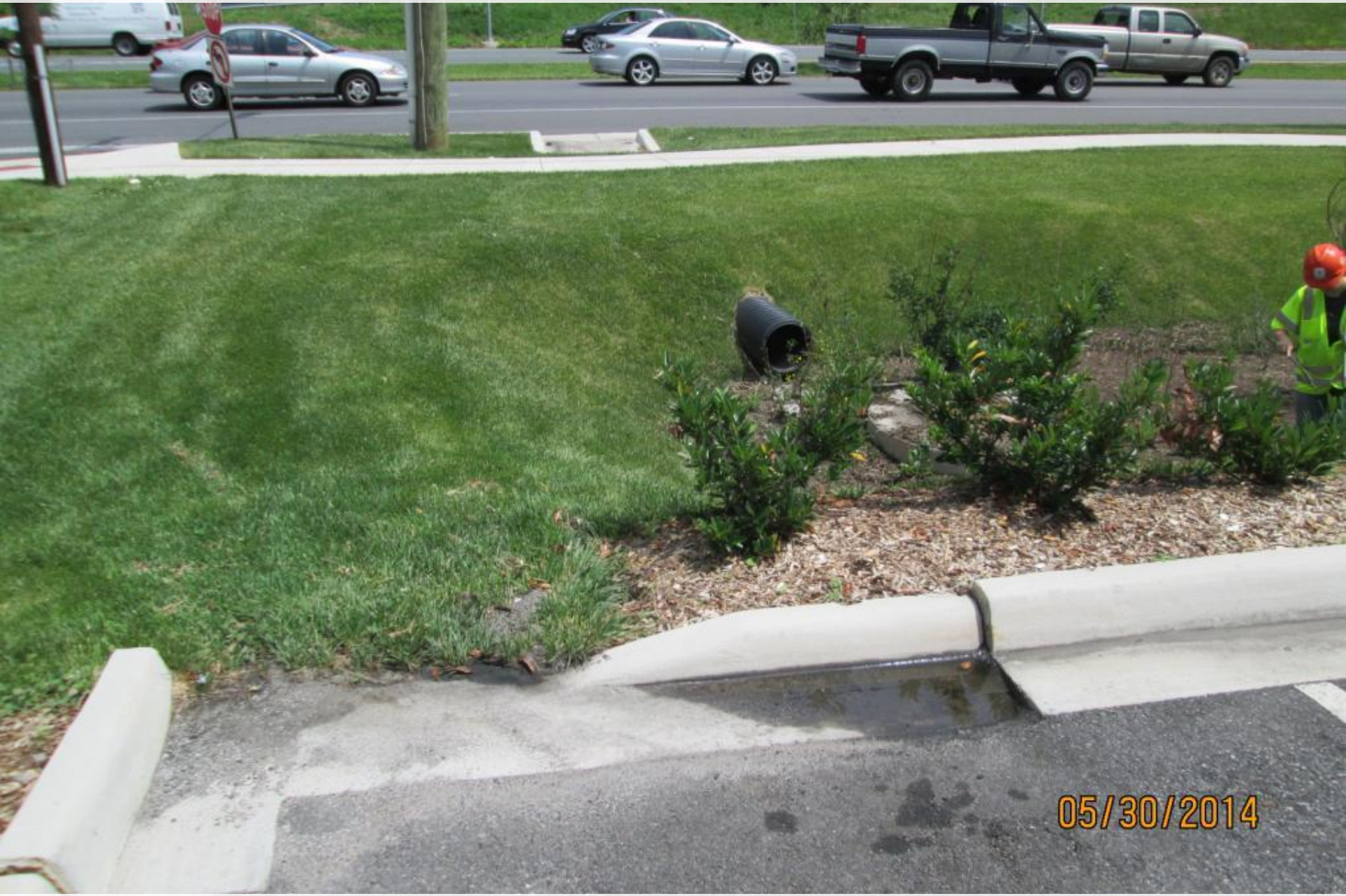
Q6: You are doing a post-construction inspection. Which of the following is NOT an acceptable condition for vegetative cover?

A: C, SECTIONS 6.8 & 9.3

Q7: As an inspector, what would you recommend to the owner for this practice?



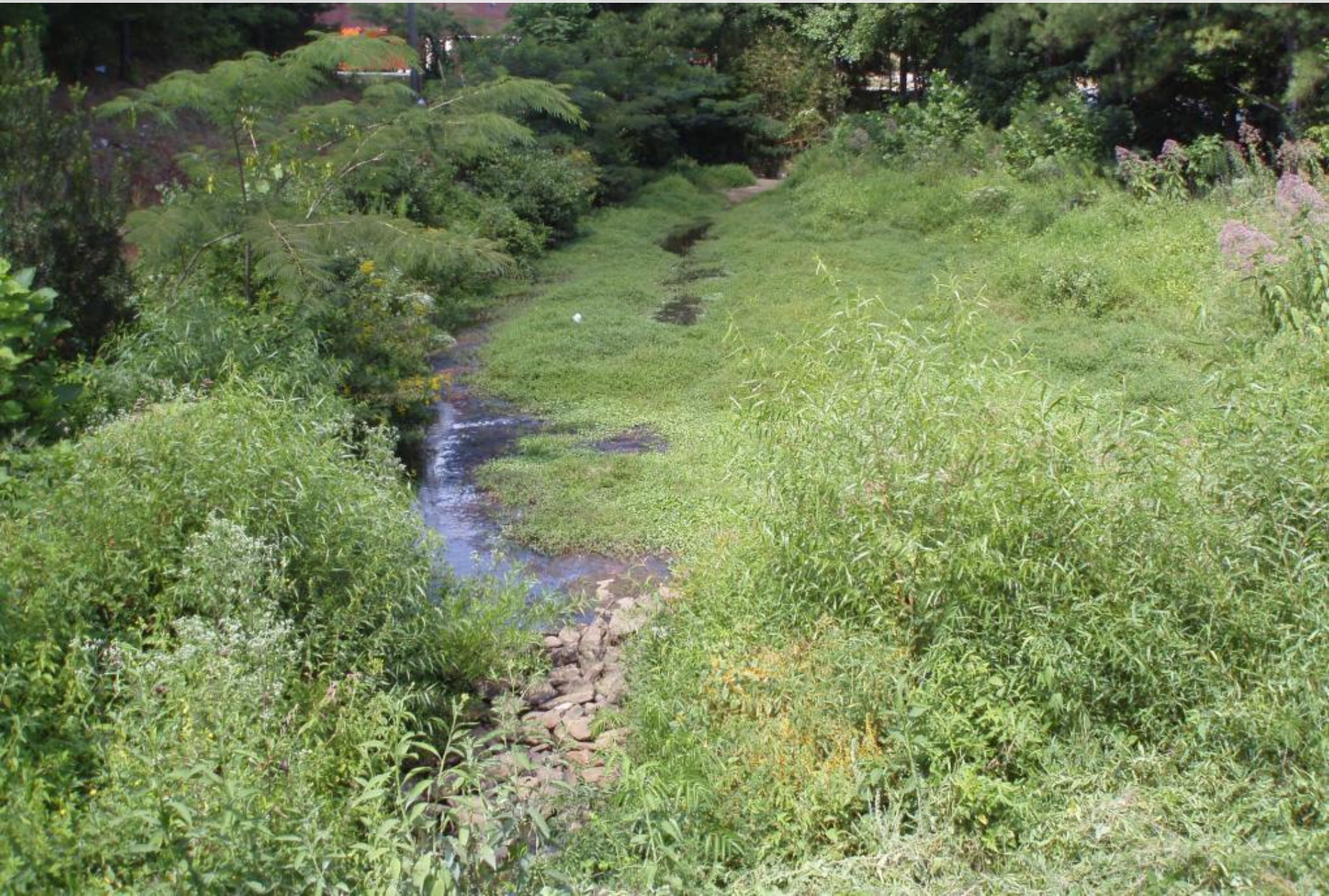
Q7: As an inspector, what would you recommend to the owner for this practice?



A: Clear sediment from inlet; make sure water gets in. SECTION 9.3, 2ND BULLET

Extended Detention Exercise

Q8: This is a sediment forebay. What is the recommended schedule to clean out sediment from forebays?



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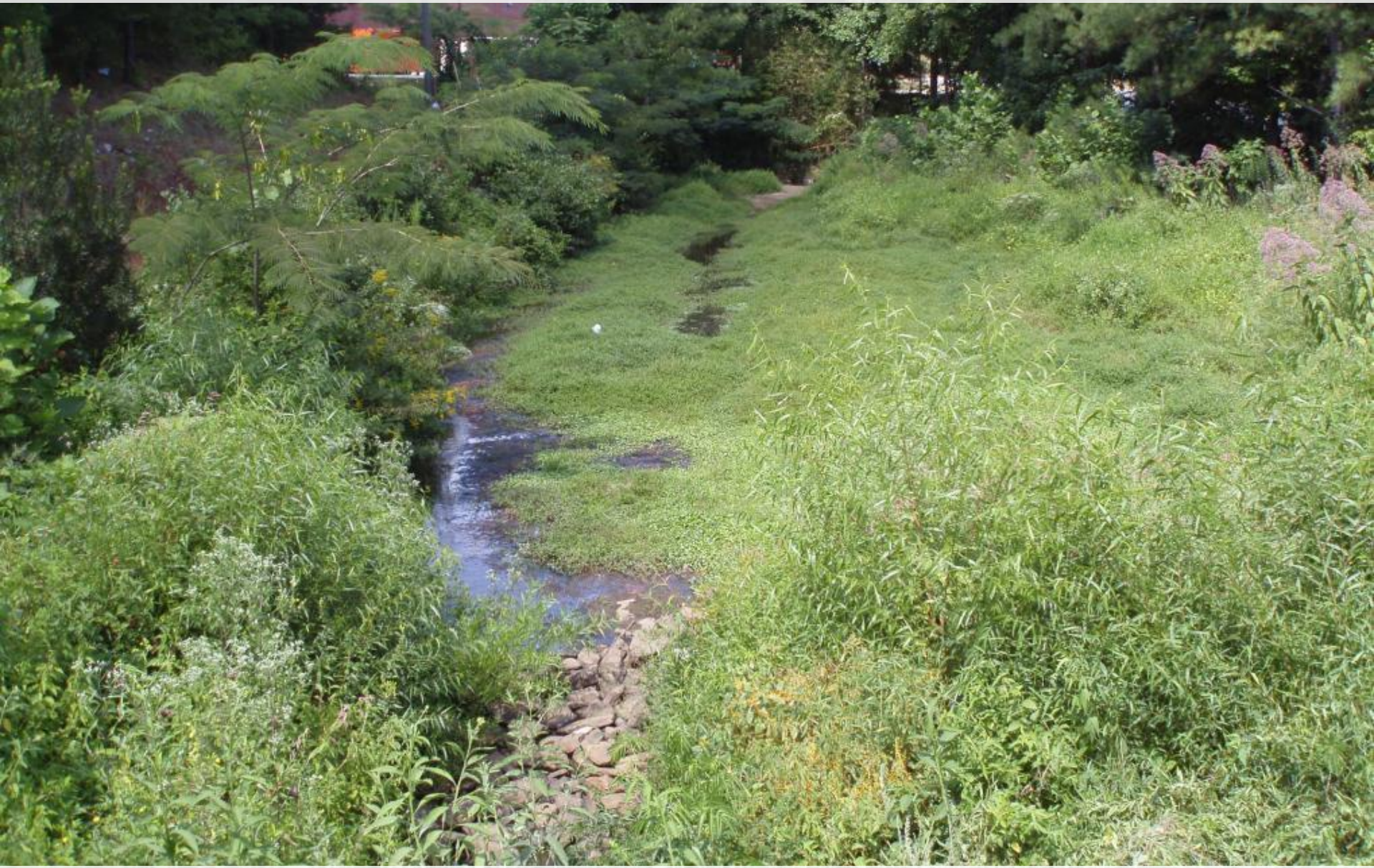
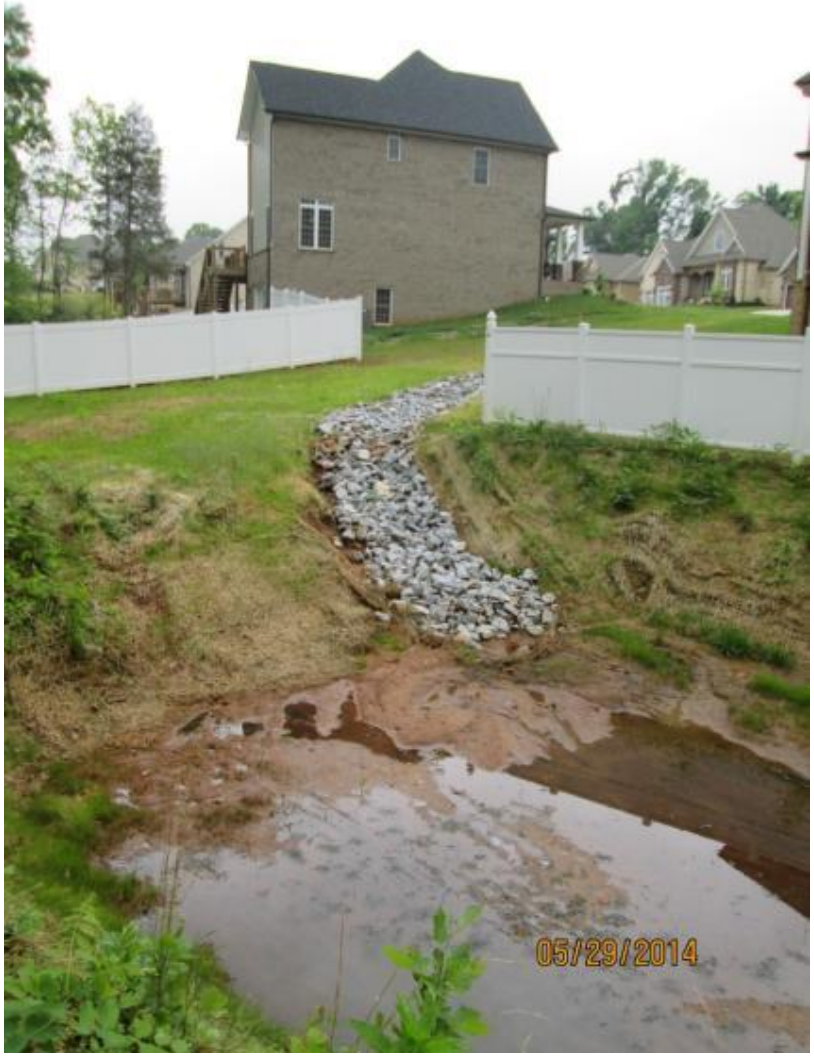
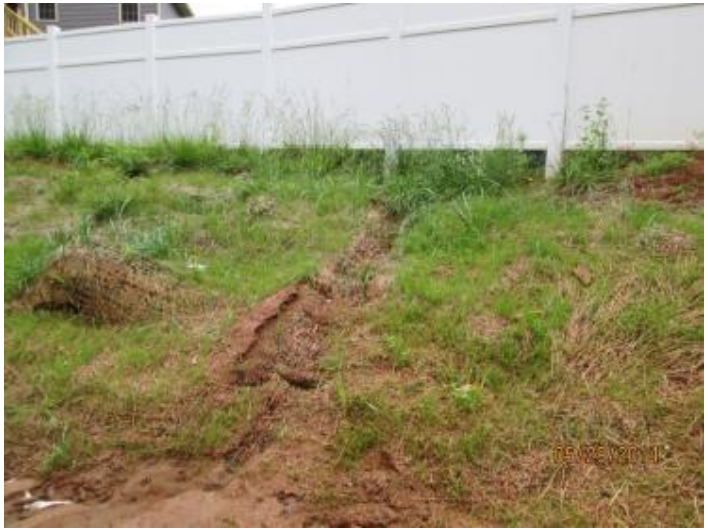


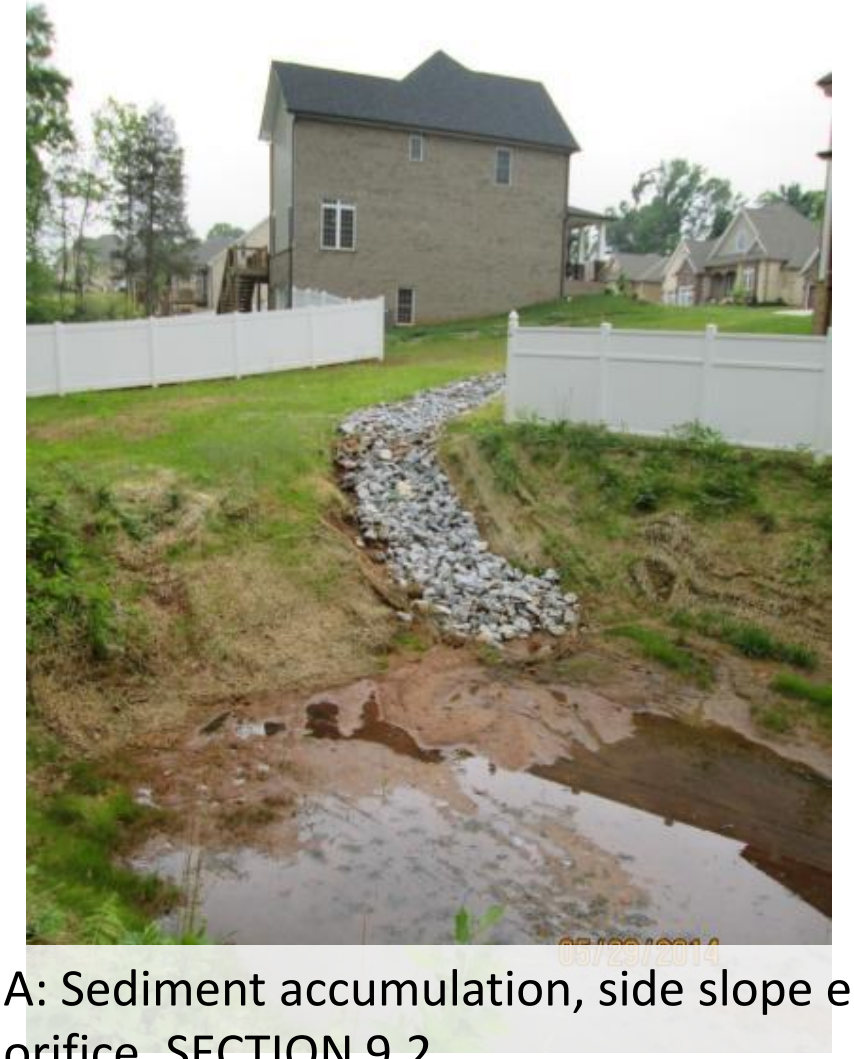
A: Every 5 – 7 years OR when 50% of forebay capacity has been filled. SECTION 9.3.

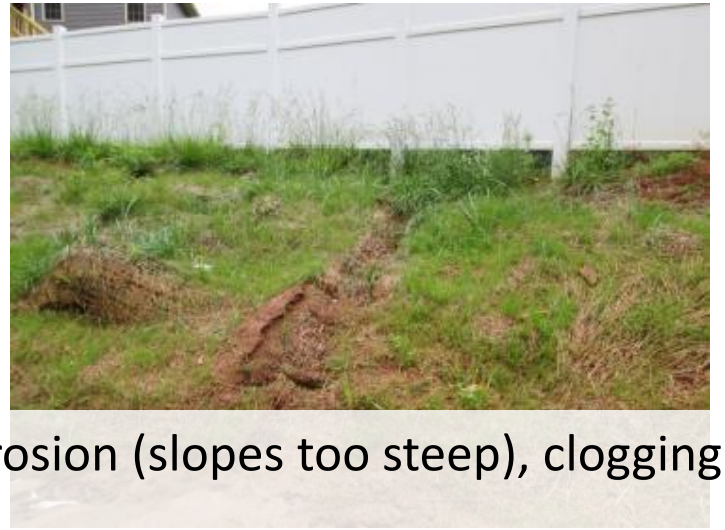
Q9: What comments would you make in your post-construction inspection for this facility?





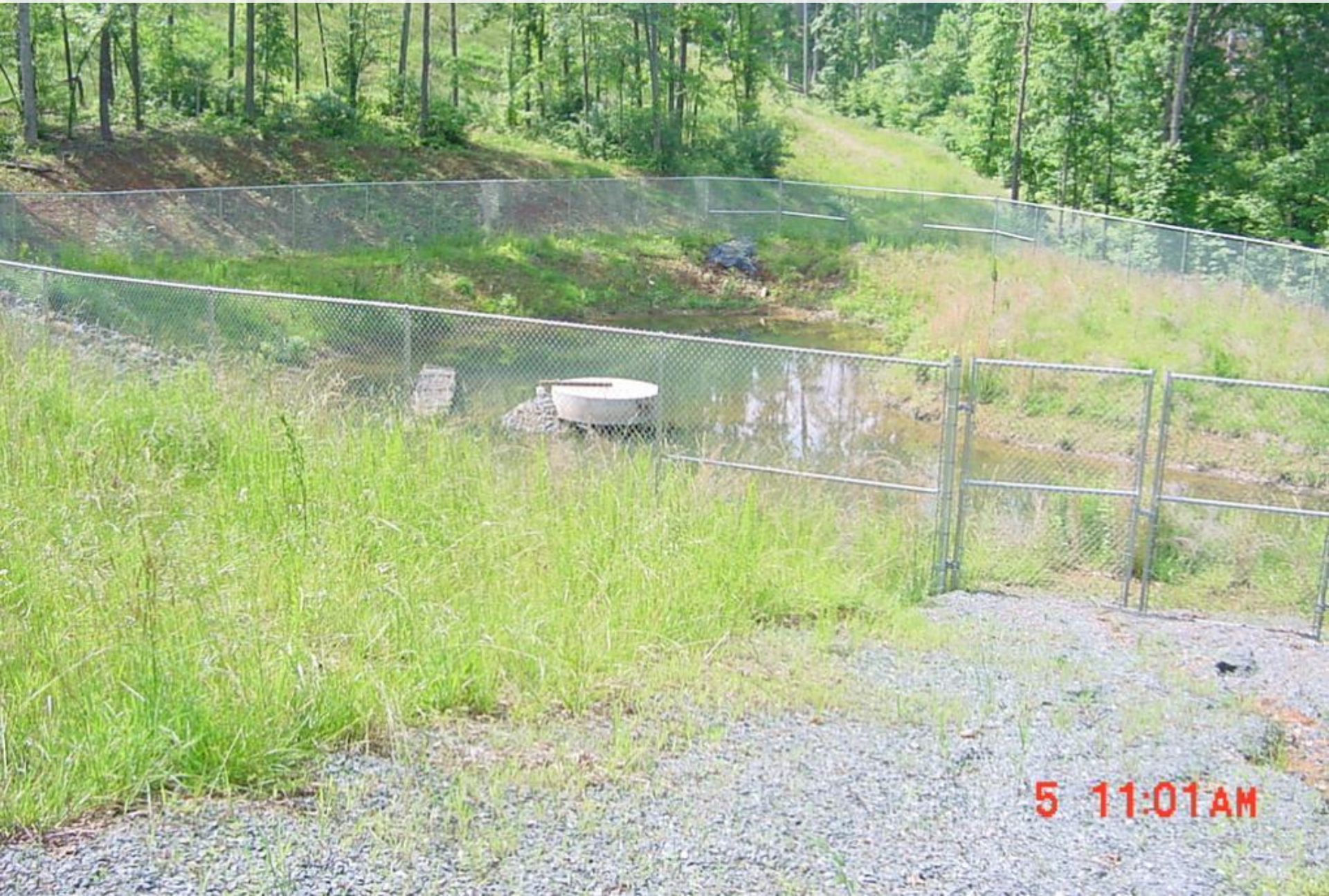
Q9: What comments would you make in your post-construction inspection for this facility?





A: Sediment accumulation, side slope erosion (slopes too steep), clogging of low-flow orifice. SECTION 9.2.

Q10: What features/standards for this maintenance access road would you look for? Is this one adequate?



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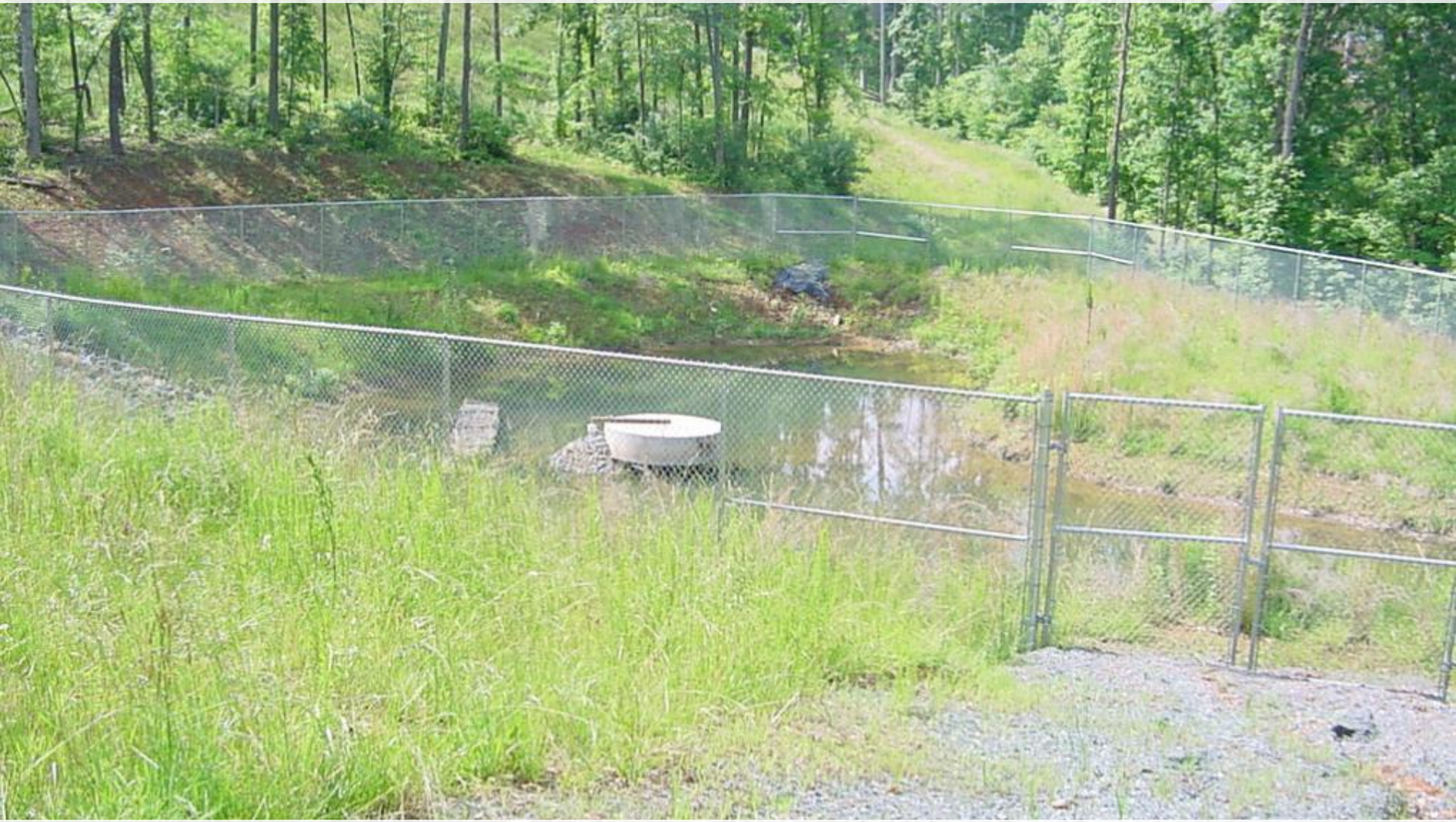

A: (1) Constructed of load-bearing materials, (2) minimum width of 12’, (3) profile less than 15% or gravel road. Also, extend to forebay, micro-pool, safety benches, riser, outlet structure, are to turn around. For this one, no access to riser. SECTION 6.8.