Routine Inspection [ ]  or Non-Routine Inspection [ ]  Date Inspected: \_\_\_\_\_\_\_\_\_\_ Time: \_\_\_\_\_\_\_\_\_ Inspector (printed): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Reason for Non-Routine Inspection: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| **Site Structure** | **Failure Criteria** | **Criteria Exceeded** | **Inspection Observations** | **Recommendation** |
| --- | --- | --- | --- | --- |
| **Yes** | **No** | **No Action** | **Monitor** | **Maintain (M) or Repair (R)** |
| **1. Asphalt Cap (see Section 2.2.1 of the M&M Plan); See Photograph 1 in Attachment 2.** |
| Asphalt surface | Surface cracking and signs of weathering such as empty spaces around aggregate or loss of color  |  |  |  |  |  |  |
| Cracks, weathering, ruts, gouges or penetrations | Formation of cracks, weathering, ruts, gouges or other disturbance on cap ≥ ½ inches deep  |  |  |  |  |  |  |
| Subsidence and settlement  | Presence of a depression deep enough to pond 1 inch of water |  |  |  |  |  |  |
| Parking space stops  | Loose, damaged/cracked or movement of parking space stops |  |  |  |  |  |  |
| Parking space stops  | Evidence that vehicles are bumping into the top of the retaining wall |  |  |  |  |  |  |
| **2. Soil Cap (Dry Retention Basin) (see Section 2.2.2 of the M&M Plan); See Photograph 2 in Attachment 2.** |
| Erosion  | Formation of ruts, rills or gullies on cap ≥ 2 inches deep |  |  |  |  |  |  |
| Sparse vegetated areas or stressed vegetation | Bare soil areas ≥ 20 square feet or total vegetation cover ≤ 70% |  |  |  |  |  |  |
| Deep-rooted vegetation | Presence of trees, shrubs, brush or other woody or deep-rooted plant growth |  |  |  |  |  |  |
| Subsidence and differential settlement  | Presence of depressions ≥ 5 feet in length and ≥ 2 inches deep |  |  |  |  |  |  |
| Damage due to wildlife | Presence of burrowing animals, bare areas ≥ 10 square feet, or holes ≥ 2 inches deep |  |  |  |  |  |  |
| PVC liner | Exposed PVC liner or any penetration of the soil cap ≥ 6 inches (minimum cap thickness) |  |  |  |  |  |  |
| Dry retention basin | Slow water drainage, standing water, or saturated soils; water should drain within 48 hours |  |  |  |  |  |  |
| **3. Drainage Features (see Section 2.2.3 of the M&M Plan) (15 to 20 minutes); See Photographs 1, 2 and 3 in Attachment 2.** |
| Aggregate and riprap for slope protection and stabilization | Debris and sediment accumulation, or material movement, sloughing, scouring, or slumping |  |  |  |  |  |  |
| Washed-rock drainage apron between asphalt cap and soil cap | Debris and sediment accumulation, or material movement, sloughing, scouring, or slumping |  |  |  |  |  |  |
| Washed-rock drainage apron between asphalt cap and soil cap | Wet or standing water; water should drain within 48 hours |  |  |  |  |  |  |
| Drain rock around dry well | Debris and sediment accumulation, or material movement, sloughing, scouring, or slumping |  |  |  |  |  |  |
| Drain rock around dry well | Wet or standing water around the dry well; water should drain within 48 hours |  |  |  |  |  |  |
| Buried dry wells below retaining wall | Wet soil, standing water, erosion. |  |  |  |  |  |  |
| **4. Dry Well and Manhole Assembly (see Section 2.2.4 of the M&M Plan); See Photographs 2 and 3 in Attachment 2.** |
| Dry well and manhole | Structural changes or damage |  |  |  |  |  |  |
| Dry well  | Vegetation restricting proper drainage |  |  |  |  |  |  |
| Dry well  | Accumulation of debris, sediment or other obstructions inside dry well impacting water infiltration; standing water inside dry well (do not enter dry well) |  |  |  |  |  |  |
| Manhole cover | Security assembly properly in-place |  |  |  |  |  |  |
| **5. Retaining Wall (see Section 2.2.5 of the M&M Plan) (15 to 20 minutes); See Photograph 4 in Attachment 2.** |
| Ramp to base of retaining wall | Erosion, slumping, movement of soil at base. |  |  |  |  |  |  |
| Blocks | Material washout from around/between retaining blocks or movement of blocks |  |  |  |  |  |  |
| Base of retaining wall | Standing water, saturated soils, or movement of soil at the base of the wall |  |  |  |  |  |  |
| **6. Fencing (see Section 2.2.6 of the M&M Plan) (15 to 20 minutes); See Photograph 1 in Attachment 4.** |
| Fencing | Loose or damaged posts, or missing post caps, or loose or damaged chain link |  |  |  |  |  |  |
| [ ]  Check previous inspection form for potential issues to monitor. |
| [ ]  Photos attached of inspected features. |
| Additional Explanation/Comments/Notes:    |
| Areas of potential concern: |
| Plans for maintenance: |
| Need for repair to ensure integrity of repository (imminent or threatened release of asbestos or asbestos contaminated soil): |

Inspector signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inspector title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Inspector Affiliation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_