

## TECHNICAL MEMORANDUM

**DATE:** August 1, 2023

**TO:** Mark Jusayan, Seattle Public Utilities  
Ashley Piatek, CenterPoint Properties

**FROM:** Laura Lee and Tiffany Neier, PE

**SUBJECT:** South Park Landfill 2023 Annual Landfill Cap Inspection

**CC:** Julia Schwarz, Washington State Department of Ecology  
Ryan Gardiner, Washington State Department of Ecology

**PROJECT NUMBER:** 553-1550-067

**PROJECT NAME:** South Park Landfill Site Coordination

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### INTRODUCTION

The purpose of this Technical Memorandum is to summarize the findings of the 2023 annual landfill cap inspection at South Park Landfill.

The inspection satisfies the requirements of the Cleanup Action Plan which fulfills a requirement of the Consent Decree that was signed on March 26, 2019. The primary objective of this inspection was to reinspect issues identified during the December 2022 mid-year inspection, document current status, and complete another inspection of the landfill cap to identify any additional areas of concern.

The 2023 inspection was performed on April 6, 2023, by Parametrix staff members from approximately 10 a.m. to 2 p.m. The weather was rainy, and the high temperature was around 50°F with heavy rainfall accumulation of approximately 0.53 inches of rain recorded at the King County Hamm Creek Rain Station (HAU2), the majority of which fell after the inspection. Figure 1 shows the approximate bounds of the landfill cap for the two Consent Decree Settlement Area properties and the right-of-way (ROW) as defined in the Cleanup Action Plan. Figure 1 also shows the approximate landfill refuse extent which goes below two additional properties that are not currently included in the Settlement Area. The landfill cover material is shown on Figure 2. Cap Inspection Form A, provided in Appendix A, was completed for the SRDS property, the CenterPoint (former SPPD) property, and the ROW. Photographs were taken using a Trimble DA2 GNSS Receiver which used GPS to tag the photographs. The photographs are included in Tables 1 through 3 with numbered locations mapped on Figures 1 through 5.

The basis of determining the timeline for repairs shown in the tables in this report comes from the Cleanup Action Plan Landfill Post-Closure Operations, Maintenance, and Monitoring Plan, which has the following guidance for the timeline of maintenance/repairs:

1. If underlying material (such as geomembrane) is exposed, corrective action shall occur within 60 days.
2. If minor cracks or ponding do not expose underlying materials and the problem does not appear to be getting worse the issue shall be reinspected in 6 months.
3. If underlying material is not exposed but is worsening or the issue needs to be elevated to a repair before it worsens, the corrective action shall occur within the calendar year.

Corrective actions proposed by the property owners should be coordinated with the Site Coordinator prior to taking action. The Site Coordinator should perform verification inspections during and/or after corrective actions are complete to determine if the maintenance and repairs are consistent with the intent of the regulatory requirements. The property owner should document any repairs or maintenance in Part 1 of the Cap Maintenance Form B and the Site Coordinator will provide observations in Part 2 of the form.

The next cap inspection shall occur in the third quarter of 2023.

## SRDS PARCEL

The general property conditions observed were good and similar to previous inspections. Locations on the SRDS property identified in December 2022 mid-year inspection were reinspected during this site visit. Two new locations were identified during the 2023 annual inspection. Pavement cracks, ruttings, and ponding areas remain the primary concerns; however, with the planned redevelopment of the property, temporary pavement restoration is not recommended based on conditions at this time, except at locations SRDS AC-13, SRDS AC-14, and SRDS AC-15, which are worsening.

Table 1 describes the issue or concern at each location on the SRDS property, status of repairs or change of condition if applicable, proposes a recommended action, and indicates a timeline for repairs, maintenance, and/or reinspection. Each location of concern is identified by number in Figures 1, 2, and 3, and corresponding photographs are included in Table 1.

Figures 1 and 3 show the SRDS Cleanup Action Plan boundary and the locations of concern. The Cap Inspection Checklist Form A was completed for the SRDS property and is included in Attachment A-1.

## CENTERPOINT PARCEL

The general property conditions observed were good and similar to previous inspections. Locations on the CenterPoint property identified in the December 2022 mid-year cap inspection were reinspected during this site visit. A few new inspection points were identified in April 2023 and are included in Table 2. The paved area is in good condition, though ponding will continue to be monitored to ensure the depressions do not get deeper, which could indicate asphaltic concrete cap damage. Vegetated slopes are uniform and generally in good condition with some erosion noted in Table 2. The primary concerns are exposed geomembrane at the parking area interface at SPPD G-6, G-7, and G-8 and the growth of vegetation through asphalt near the fences. In addition, there is an open pipe at the G-1 location that had been identified in a previous inspection.

Table 2 describes the issue or concern at each location on the CenterPoint property, status of previous repairs or change of condition if applicable, proposes a recommended action, and indicates a timeline for repairs, maintenance, and/or reinspection. Previous concerns identified primarily remain in the same general condition with improvements at several locations. Each location of concern is identified by number in Figures 1, 2, 4 and 5, and corresponding photographs are included in Table 2.

Figures 1, 4 and 5 show the CenterPoint Cleanup Action Plan boundary and the locations of concern. The Cap Inspection Form A was completed for the CenterPoint property and is included in Attachment A-2.

## RIGHT-OF-WAY

There are three areas in the ROW that were identified as locations of concern in the December 2022 mid-year inspection. These three areas were reinspected along with a new location identified in April 2023. Table 3 describes the issue or concern at each location in the ROW, status of previous repairs or change of condition if applicable, proposes a recommended action, and indicates a timeline for repairs, maintenance, and/or reinspection. Each location of concern is identified by number in Figures 1 and 2, with corresponding photographs included in Table 3.

Figures 1, 3, 4 and 5 show the ROW Cleanup Action Plan boundary and the locations of concern. The Cap Inspection Form A was completed for the ROW and is included in Attachment A-3.

Under the Cleanup Action Plan, routine street maintenance does not require Ecology notification or maintenance reports.

## TABLES

Table 1. Status of Identified Locations of Concern on the South Park Landfill SRDS Property, April 6, 2023 Reinspection

Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint Property, April 6, 2023 Reinspection

Table 3. Status of Identified Locations of Concern in the South Park Landfill Right-of-Way (ROW), April 6, 2023 Reinspection

## FIGURES

Figure 1. Landfill Cap Inspection Site Plan

Figure 2. Landfill Cover Material

Figure 3. April 6, 2023 Landfill Cap Inspection SRDS Property

Figure 4. April 6, 2023 Landfill Cap Reinspection CenterPoint Property – Amazon Tenant

Figure 5. April 6, 2023 Landfill Cap Reinspection CenterPoint Property – First Student Tenant

## ATTACHMENTS

- A April 2023 Cap Inspection Checklists
  - A-1 SRDS Cap Inspection Checklist
  - A-2 CenterPoint Cap Inspection Checklist
  - A-3 ROW Cap Inspection Checklist




- B Maintenance Forms

No Maintenance has been reported since December 2022 Inspection




Tables






**Table 1. Status of Identified Locations of Concern on the South Park Landfill SRDS Property, April 06, 2023 Inspection**

SRDS	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
<b>Asphalt Concrete</b>								
AC-1	Minor pavement cracking and ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-3	Minor pavement cracking and ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-4	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	




**Table 1. Status of Identified Locations of Concern on the South Park Landfill SRDS Property, April 06, 2023 Inspection**

SRDS	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
AC-6	Minor pavement cracking and ponding	Additional areas of cracking. Continue to monitor for further deterioration during follow-up reinspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-7	Minor cracking and ponding in repatched area	Visible ponding near vehicle wash area appears related to wash pad. Low spot in pavement is not centered on the nearest storm drain. Ponding depth is less than a few inches. No concerns at this time. Follow-up reinspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-9	Ponding and minor cracking	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	

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SRDS	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
AC-10	Minor pavement cracking with grass growing in the cracks	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-11	Minor cracking with asphalt degrading and ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Ponding in the area. Follow-up reinspection	6 months	Site Coordinator	
AC-13	Minor pavement cracking and deep rutting	Observed much deeper rutting, to where soil may be exposed. The open crack should be patched.	No action taken	Worse	The hole is bigger with water accumulation inside the rut. The open hole should be patched.	No later than end of calendar year	SRDS	

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SRDS	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
AC-14	Minor pavement cracks with exposed moss	The spalling has continued to degrade the cap to the point where soil may be exposed. This area should be patched.	No action taken	No significant changes observed	Previous recommendation remains.	No later than end of calendar year	SRDS	
AC-15	Minor pavement cracking with moss growing in the cracks	Follow-up inspection	No actions taken or required	Worse	Observed more grass growing in the entire cracked areas. This area should be patched.	No later than end of calendar year	SRDS	
AC-16	Minor pavement cracking and ponding	Follow-up inspection	No actions taken or required	Worse	Follow-up reinspection	6 months	Site Coordinator	



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SRDS	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
AC-17	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-18	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-19	Minor cracks in asphalt with ponding			New location	Follow up reinspection	6 months	Site Coordinator	

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SRDS	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
AC-20	Open pipe in the ground			New location	Determine what the pipe is and cap it.	No later than end of calendar year	SRDS	
<b>Stormwater Management Facilities</b>								
SW-4	Potential run-on from SPPD	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	

**Notes:** Locations with recommended repairs or action items are in **BOLD** text.  
 NA = Not applicable



**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**

Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
<b>Asphalt Concrete</b>								
AC-1	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-3	New buildings, potential cap penetrations.	<p>There is one hole from where the previous building was that needs to have the seal fixed. An uncapped pipe protruding from the asphalt needs to be capped or filled and sealed.</p> <p>Property owner should request Occupancy Permit from tenant which would include drawings for the new buildings.</p>	Holes have been sealed. Pipe is still not capped. No maintenance form was submitted.	Some improvement	Previous recommended action regarding open pipe remains.	60 days	CenterPoint	 




**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**

Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
AC-4	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed.	A larger extent of ponding observed due to rainfall accumulation.  Follow-up reinspection	6 months	Site Coordinator	
AC-5	Ponding, modification of asphalt	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-6	Gaps and holes in electric fence post holes and ponding	Seal the remaining gaps in the interface between the posts of the new electric fence and the asphalt There are still some electric fence posts that have not been completely sealed, especially around the back of the pipe where it would be hard to reach. There are also some holes that were drilled next to the installed post. All posts and holes need to have complete seals.	Action Not Yet Completed	No visible improvement	Previous recommended repairs remain.	No later than end of calendar year	CenterPoint	



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Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
AC-7	Several areas of ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Ponding in larger extent observed due to rainfall accumulation.  Follow-up reinspection	6 months	Site Coordinator	
AC-8	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	




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Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
AC-9	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Ponding in larger extent observed due to rainfall accumulation.  Follow-up reinspection	6 months	Site Coordinator	 
AC-10	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	

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Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
AC-11	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	
AC-12	Ponding	Follow-up inspection	No actions taken or required	No significant changes observed	Follow-up reinspection	6 months	Site Coordinator	

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Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
AC-13	Blackberry shrubs growth and stagnated water behind the concrete blocks			New Location	Remove blackberry shrubs and clear pathways to allow proper water flow into the storm drains	No later than end of calendar year	CenterPoint	  






**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**

Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
AC-14	Ponding			New Location	Follow-up reinspection	6 months	Site Coordinator	 


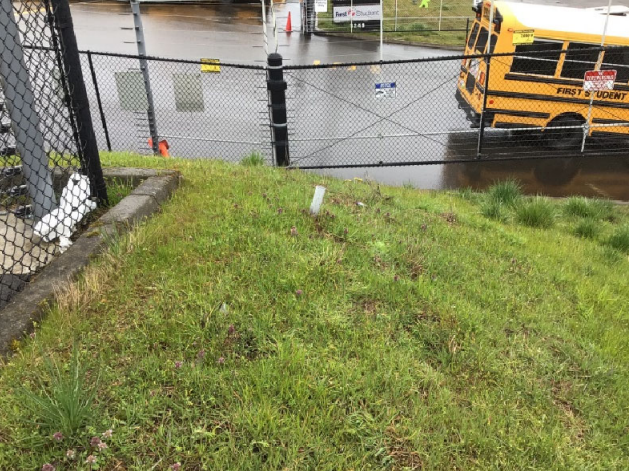
**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**

Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
AC-15	Minor Cracking			New Location	Follow-up reinspection	6 months	Site Coordinator	
AC-17	Ponding			New location	Large area of ponding observed. Follow-up reinspection	6 months	Site Coordinator	
AC-18	Ponding			New location	Large area of ponding observed. Follow-up reinspection	6 months	Site Coordinator	


**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**

Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
AC-19	Holes near fence allowing growth of grasses			New location	Remove plants and seal cap penetrations.	No later than end of calendar year	CenterPoint	
AC-20	Minor cracks and failed patch			New location	Follow-up reinspection	6 months	Site Coordinator	
AC-21	Holes near fence allowing growth of invasive plants & ponding presence			New location	Remove plants and seal cap penetrations.	No later than end of calendar year	CenterPoint	



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Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
AC-22	Holes near concrete post allowing invasive plant growth			New location	Remove plants and seal cap penetrations.	No later than end of calendar year	CenterPoint	
<b>Low-Permeability Geomembrane</b>								
G-1	An open pipe present	Pipes remain present. The origin and use of the pipes protruding from the ground needs to be investigated. Once the information about the pipe is known appropriate actions should be taken to ensure the integrity of the cap.	Action Not Yet Completed	No change	Need investigation of this open pipe and action should be taken to cap it, if it does not have any purpose.	No later than end of calendar year	CenterPoint	



**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**

Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
G-3	Loss of vegetation and minimal erosion of soil	Minimal erosion of soil, netting from vegetation correction is visible. Geomembrane is not exposed. Reinspect every 6 months. If loss of vegetation or erosion exposes the geomembrane, the actions recommended in the 2021 annual inspection should be taken.	No actions taken or required	Improved	Improved vegetation.  Follow-up reinspection	6 months	Site Coordinator	




**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**

Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
G-4	Loss of grass cover along with blackberry shrubs growth in the area	April 2022 recommendations remain. Blackberry shrubs have been introduced to the area since the April 2022 inspection. Remove blackberries before the roots spread and become invasive, may need to re-seed the grass.	Action Not Yet Completed	Worse	Loss of grass around the concrete post exposing the soil and growth of blackberry shrubs around the region.  Remove the blackberry shrubs before the roots spread and re-seed the grass.	No later than end of calendar year	CenterPoint	 

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Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
G-5	New grass cover over previously exposed geomembrane	See Location G-4 2022 recommendations.	Action Not Yet Completed	Improved	Follow-up reinspection	6 months	Site Coordinator	
G-6	Geomembrane exposed in one area	See Location G-4 2022 recommendations.	Action Not Yet Completed	Some Improvement	Improved vegetation. Exposed geomembrane remains in one area. Add soil to exposed geomembrane and re-seed grasses	60 days	CenterPoint will work in coordination with Site Coordinator to establish a solution	

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Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
G-7	Exposed and damaged geomembrane at the parking area interface	The geomembrane remains exposed at G 7 and G-10. These locations are of the highest concern due to the potential compromise of the landfill cap. The configuration of the geomembrane and cover at the interface of the parking area does not appear to be in accordance with Figure 5 of the Interim Action Work Plan (IAWP). The geomembrane appears to be directly below the asphalt with no drainage layer or surfacing layer in between. Along with Site Coordinator, prepare a plan to reestablish cover over the geomembrane. Most likely, the area should be exposed, and the geomembrane tested for damage before repairs are made. The crest of slope should then be provided cover to the maximum extent possible considering the existing asphalt and curb configuration	Action Not Yet Completed	Some improvement	Improved growth of grasses over the geomembrane. Exposed geomembrane remains. Add soil to exposed geomembrane and re-seed grasses. Previous recommendations remain.	60 days	CenterPoint will work in coordination with Site Coordinator to establish a solution	
G-8	Exposed geomembrane around utility access hole	Work with Site Coordinator to prepare a plan to re-establish cover over the geomembrane. The geomembrane should be carefully exposed so as to not damage the geomembrane and inspected to determine if it is excess material or part of the cover. Make repairs as necessary and install adequate cover soil in accordance with the IAWP.	No documentation of actions taken	Improved	Improved vegetation. Previous recommendations remain	60 days	CenterPoint will work in coordination with Site Coordinator to establish a solution	 




**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**

Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
G-10	Exposed and damaged geomembrane at the parking area interface.	See Location G-4 2022 recommendations.	No documentation of actions taken	Improved	No exposed or damaged geomembrane visible during inspection. Poor growth of vegetation in this area.  Follow-up reinspection	6 months	Site Coordinator	
G-11	Bare Patch			New location	Re-establish vegetated cover	No later than end of calendar year	CenterPoint	
G-12	Poor vegetative cover			New location	Areas of exposed soil. Grass should be re-seeded.	No later than end of calendar year	CenterPoint	

**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**


Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
G-13	Grass growing unevenly. The upper portion of the slope has started to slough off.			New location	If this condition worsens take appropriate steps for prevention of sloughing.  Follow-up reinspection	6 months	CenterPoint/Site Coordinator	
<b>Stormwater Management Facilities</b>								
SW-1	Standing water	The swale does not meet City of Seattle Stormwater Manual requirement for a biofiltration swale to have a minimum slope of 1.5%. Bottom channel should be regraded to the intended 1.5% slope. Along with Site Coordinator, prepare a plan to address this situation.	Action Not Yet Completed.	No Significant Change Observed	Previous recommended actions remain.	No later than end of calendar year	CenterPoint will work in coordination with Site Coordinator to establish a solution	

**Table 2. Status of Identified Locations of Concern on the South Park Landfill CenterPoint (Former SPPD) Property, April 6, 2023 Inspection**




Center Point (SPPD) Location	Description	December 2022 Inspection		April 2023 Inspection				
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	Photographs
SW-2	Invasive/Deep Rooted Plants	The willow (salix sp.) and black cottonwood (populus balsamifera) growing along the edge of the west bioswale are native but deep-rooted species that should be removed so that it does not damage the geomembrane on that side. This recommendation remains from April 2022.	Action Not Yet Completed	No Significant Change Observed	Previous recommendations remain	No later than end of calendar year	CenterPoint	

**Notes:** Locations with recommended repairs or action items are in **BOLD** text.  
 NA = Not applicable


**Table 3. Status of Identified Locations of Concern on the South Park Landfill Right-of-Way Property, April 6, 2023 Inspection**

ROW Location	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
<b>Asphalt Concrete</b>								
AC-1	Cracks and pavement repair	Roadway is in poor condition, there are large open cracks and ruts in the asphalt pavement. SDOT previously repaired a portion of this location but did not cover the entire area. Recommend coordination with SDOT.	No action taken	Worse	Cracks got worse with ponding. Repair/repatching should be coordinated with SDOT	60 days	SPU to coordinate with SDOT	

**Table 3. Status of Identified Locations of Concern on the South Park Landfill Right-of-Way Property, April 6, 2023 Inspection**

ROW Location	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
AC-2	Asphalt open cracking	Follow-up inspection	No action taken or required	Worse	Cracks got bigger with ponding. Repatching should be coordinated with SDOT	No later than end of calendar year	SPU to coordinate with SDOT	 
AC-3	Asphalt cracking and potholes alongside of street	Pothole appears to be getting worse and should be patched to prevent further erosion.	No action taken	No Significant Change Observed	Previous recommendations remain.	No later than end of calendar year	SPU to coordinate with SDOT	

**Table 3. Status of Identified Locations of Concern on the South Park Landfill Right-of-Way Property, April 6, 2023 Inspection**

ROW Location	Description	December 2022 Inspection		April 2023 Inspection				Photographs
		Conditions Observed and Recommended Action	Action Taken	Condition Status	Conditions Observed and Recommended Action	Timeline for Repair and/or Reinspection	Recommended Action Assignment	
AC-4	Potholes in the middle of roadway			New location	Repatch work should be arranged with SDOT	No later than end of calendar year	SPU to coordinate with SDOT	

**Notes:** Locations with recommended repairs or action items are in **BOLD** text.

## Figures





7/11/2023 1:01:50 PM C:\Users\jps\Documents\GIS\Mapdocs\4-2023 Inspection\Figure 1 Landfill Cap Inspection 4-23 - Site Plan with field data v2.mxd

**Legend**

- Edge of Refuse (July 2017)
- Parcel Boundary
- SRDS CAP
- SPPD CAP
- ROW CAP
- Gas Probe

**Inspection Location**

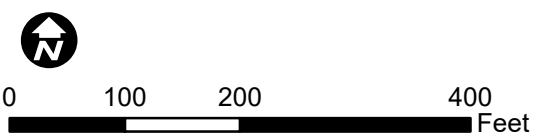
- SRDS
- SPPD
- ROW

**Notes:**

- Tax parcels provided by King County GIS Open Data.
- Aerial imagery provided by Google Maps.
- Stormwater layers provided by City of Seattle GeoData.
- All locations shown are approximate

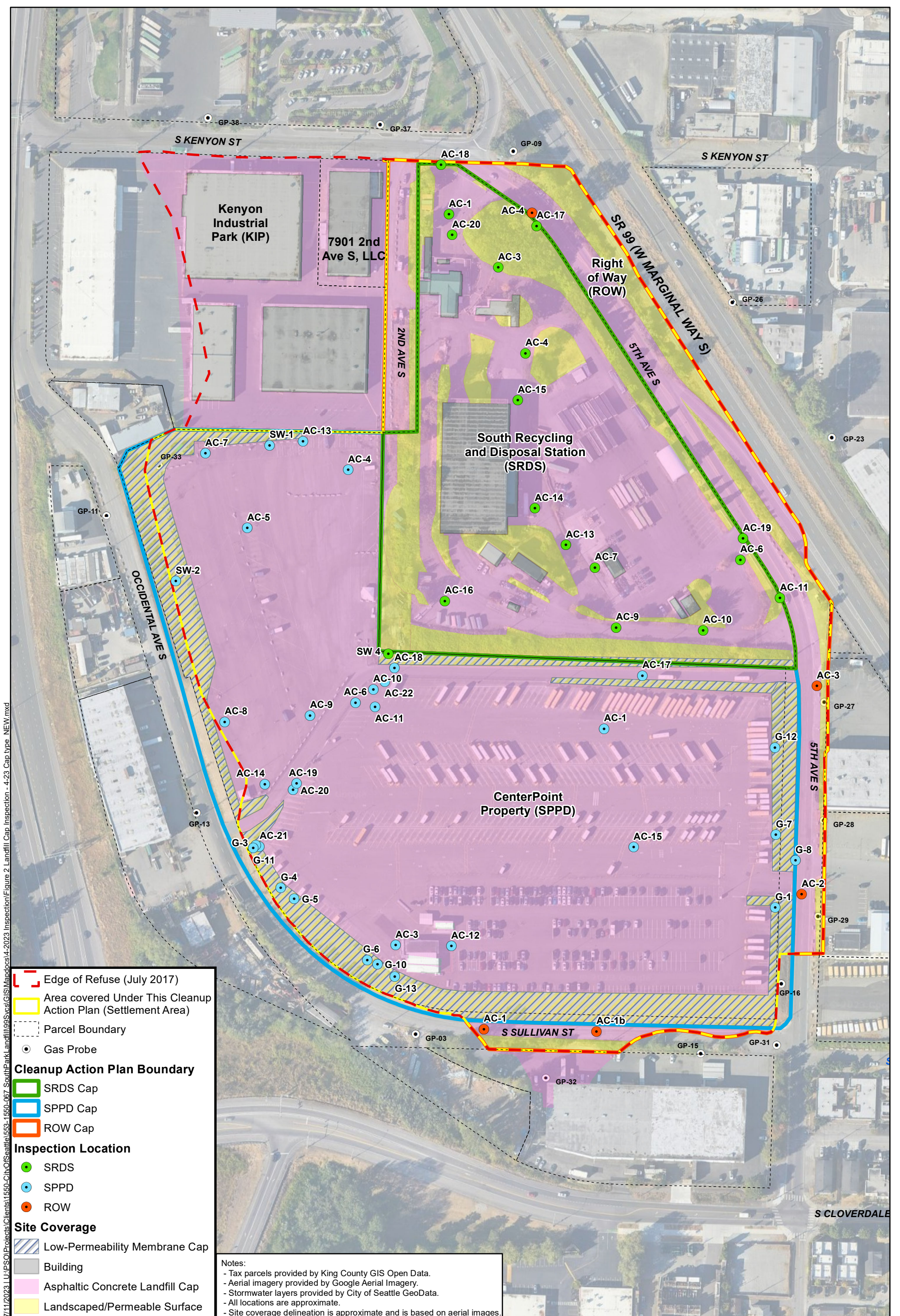
Source: City of Seattle, King County, Floyd|Snider, Aspect, Herrera. 2018. South Park Landfill, Landfill Post-Closure Operations, Maintenance, and Monitoring Plan.

**Parametrix**



**Figure 1**  
**April 6, 2023 Landfill Cap Inspection**  
**Site Plan**  
 South Park Landfill  
 Seattle, WA





**Edge of Refuse (July 2017)**  
 - Red dashed line

**Area covered Under This Cleanup Action Plan (Settlement Area)**  
 - Yellow hatched area

**Parcel Boundary**  
 - Dotted line

**Gas Probe**  
 - GP-01 to GP-38

**Cleanup Action Plan Boundary**

- SRDS Cap (Green outline)
- SPPD Cap (Blue outline)
- ROW Cap (Orange outline)

**Inspection Location**

- SRDS (Green dot)
- SPPD (Blue dot)
- ROW (Orange dot)

**Site Coverage**

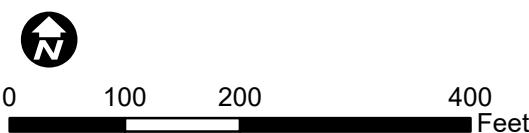
- Low-Permeability Membrane Cap (Blue hatched)
- Building (Grey)
- Asphaltic Concrete Landfill Cap (Pink)
- Landscaped/Permeable Surface (Yellow)

**Notes:**

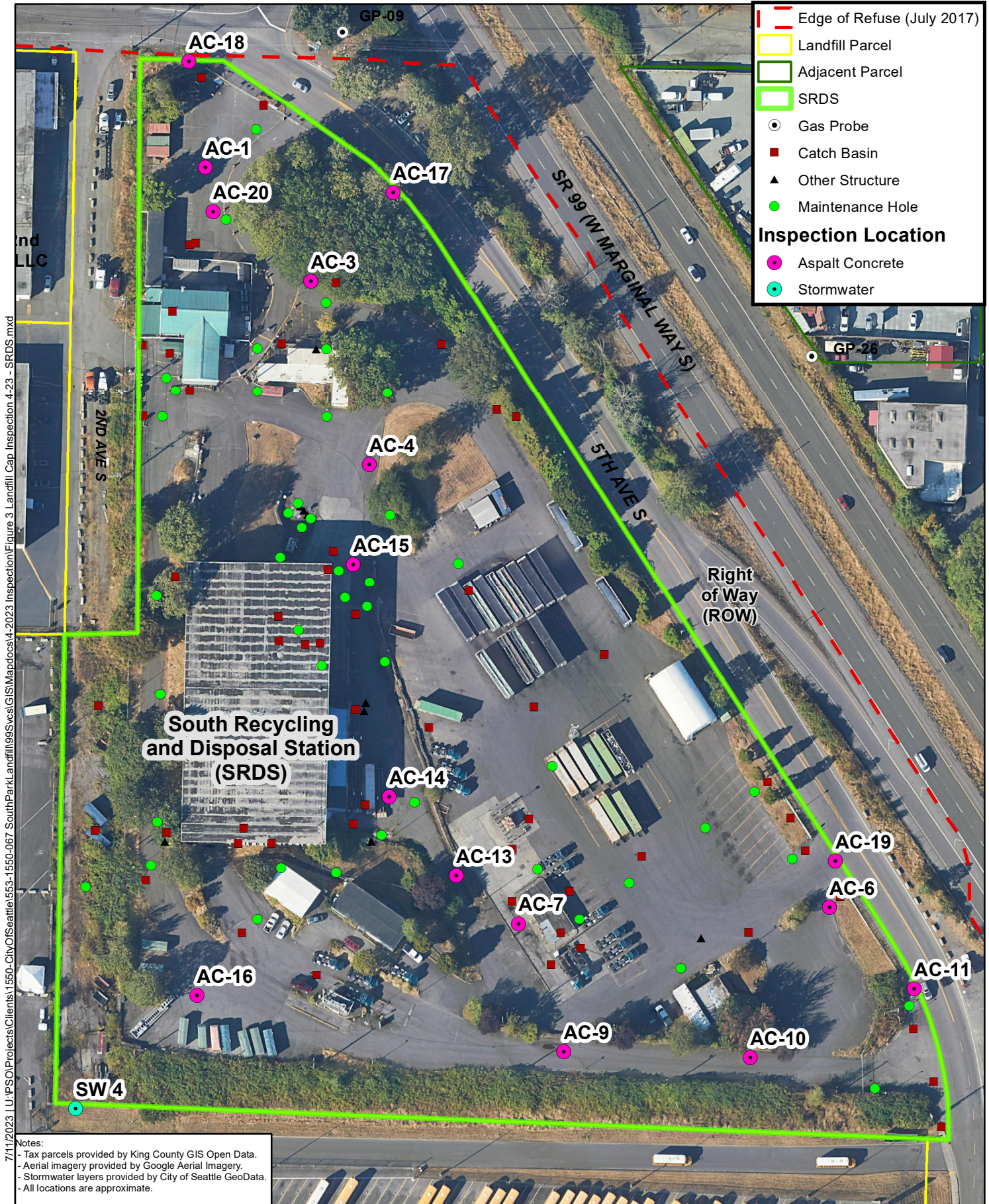
- Tax parcels provided by King County GIS Open Data.
- Aerial imagery provided by Google Aerial Imagery.
- Stormwater layers provided by City of Seattle GeoData.
- All locations are approximate.
- Site coverage delineation is approximate and is based on aerial images.

Source: City of Seattle, King County, Floyd|Snider, Aspect, Herrera. 2018. South Park Landfill, Landfill Post-Closure Operations, Maintenance, and Monitoring Plan.

**Parametrix**



**Figure 2**  
**April 6, 2023 Landfill Cap Inspection**  
**Landfill Cover Material**  
 South Park Landfill  
 Seattle, WA



7/11/2023 1:U:\P\SOI\Projects\Clients\1550-CityOfSeattle\563-1550-067\_SouthParkLandfill\99\Srcvs\GIS\Mapdocs\4-2023\_Inspection\Figure 3\_Landfill Cap\_Inspection 4-23 - SRDS.mxd

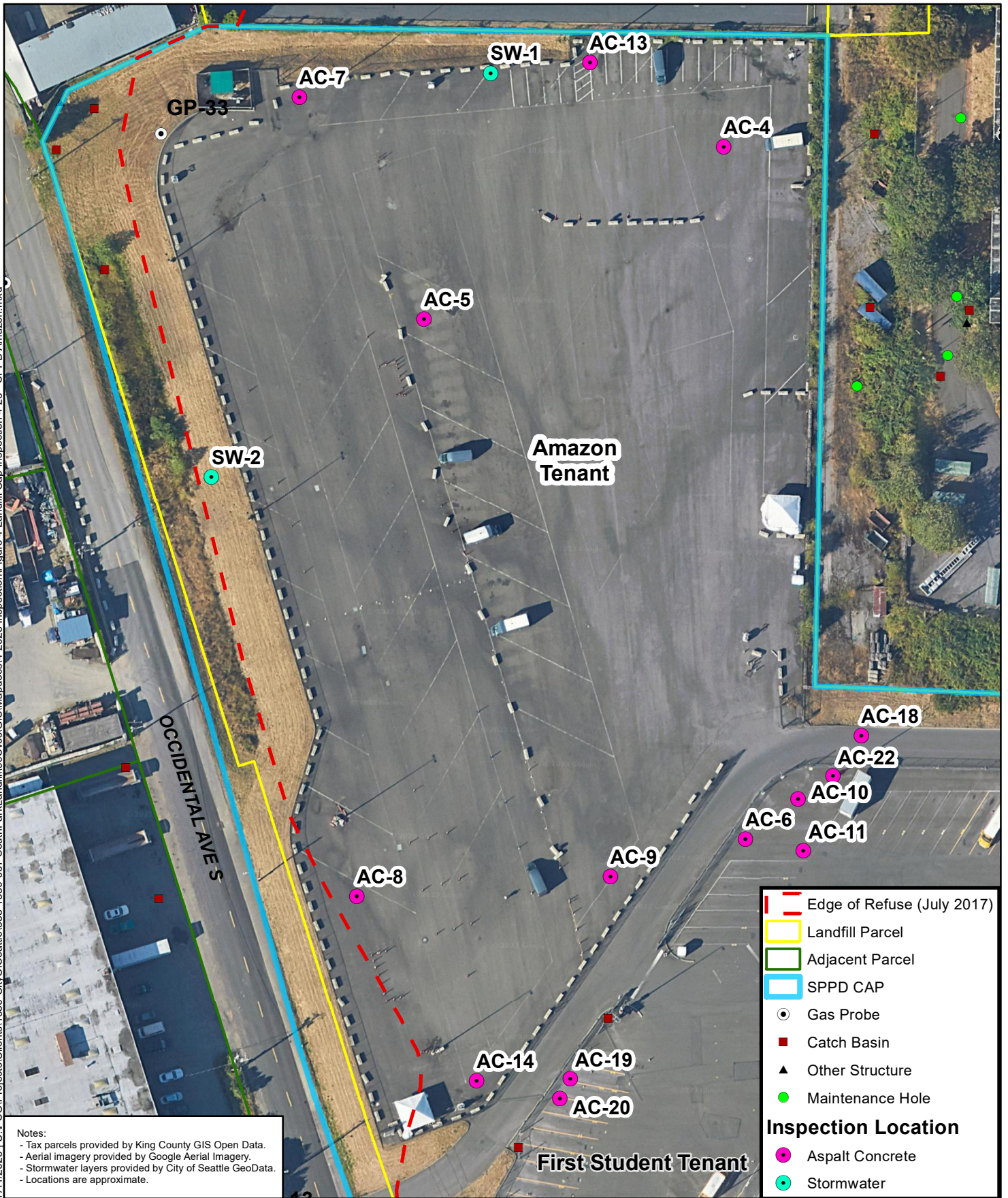
Notes:  
 - Tax parcels provided by King County GIS Open Data.  
 - Aerial imagery provided by Google Aerial Imagery.  
 - Stormwater layers provided by City of Seattle GeoData.  
 - All locations are approximate.

Source: City of Seattle, King County, Floyd|Snider, Aspect, Herrera. 2018. South Park Landfill, Landfill Post-Closure Operations, Maintenance, and Monitoring Plan.



**Figure 3**  
**April 6, 2023 Landfill Cap Inspection**  
**SRDS Property**  
 South Park Landfill  
 Seattle, WA

7/11/2023 1:U:\PSOI\Projects\Clients\1550-CityOfSeattle\1550-067\_SouthParkLandfill\99\Svcs\GIS\Mapdocs\4-2023\_Inspection\Figure 4 Landfill Cap Inspection 4-23 - SPPD Amazon.mxd

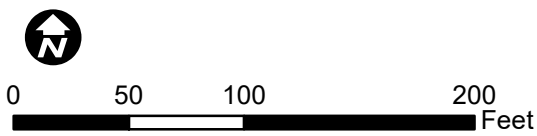


Notes:  
 - Tax parcels provided by King County GIS Open Data.  
 - Aerial imagery provided by Google Aerial Imagery.  
 - Stormwater layers provided by City of Seattle GeoData.  
 - Locations are approximate.

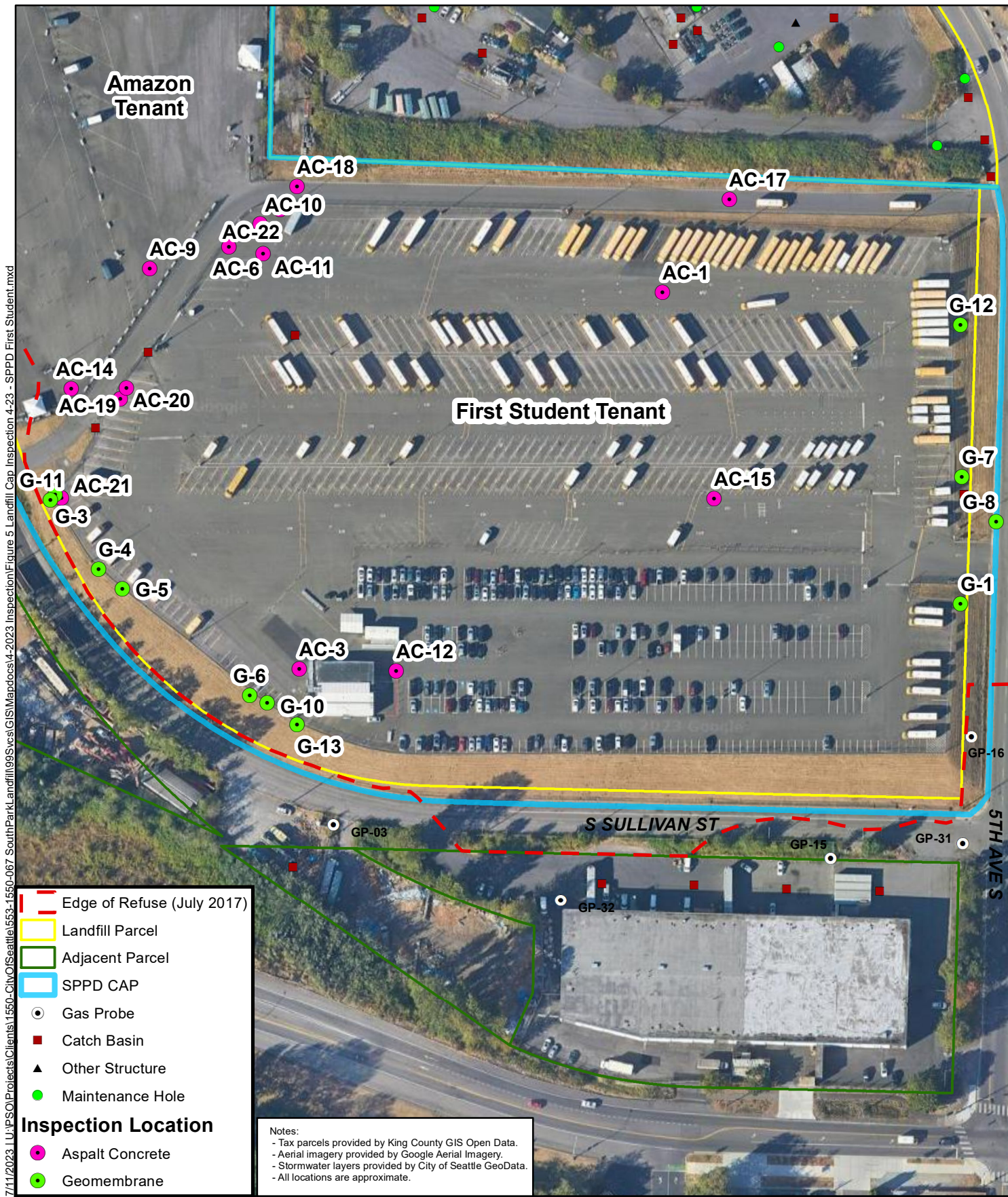
	Edge of Refuse (July 2017)
	Landfill Parcel
	Adjacent Parcel
	SPPD CAP
	Gas Probe
	Catch Basin
	Other Structure
	Maintenance Hole
<b>Inspection Location</b>	
	Asphalt Concrete
	Stormwater

Source: City of Seattle, King County, Floyd|Snider, Aspect, Herrera. 2018. South Park Landfill, Landfill Post-Closure Operations, Maintenance, and Monitoring Plan.

**Parametrix**



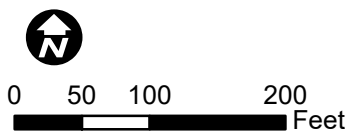
**Figure 4**  
**April 6, 2023 Landfill Cap Inspection**  
**CenterPoint Property - Amazon Tenant**  
 South Park Landfill  
 Seattle, WA



7/11/2023 11:00:00 PM S:\Projects\Clients\1550-CityOfSeattle\1553-1550-067 SouthParkLandfill\999Svcs\GIS\Mapdocs\4-2023 Inspection\Figure 5 Landfill Cap Inspection 4-23 - SPPD First Student.mxd

Source: City of Seattle, King County, Floyd|Snider, Aspect, Herrera. 2018. South Park Landfill, Landfill Post-Closure Operations, Maintenance, and Monitoring Plan.

**Parametrix**



**Figure 5**  
**April 6, 2023 Landfill Cap Inspection**  
**CenterPoint Property - First Student Tenant**  
 South Park Landfill  
 Seattle, WA

**Attachment A**  
April 2023 Cap Inspection Checklists



A-1  
SRDS Cap Inspection Checklist



## SOUTH PARK LANDFILL CAP INSPECTION FORM A

<b>Date:</b> April 6, 2023 <b>Inspector(s):</b> Tiffany Neier, Amanda Weiss	<b>Parcel Owner:</b> <input checked="" type="checkbox"/> SRDS <input type="checkbox"/> CenterPoint (former SPPD) <input type="checkbox"/> Right-of-Way																
<b>Type of Inspection:</b> <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Reinspection <input type="checkbox"/> Non-Routine Reason:																	
<b>Last Rain Event before Inspection:</b> Daily precipitation observations from King County Hamm Creek Rain Station (HAU2). Source: <a href="https://green2.kingcounty.gov/hydrology/DataDownload.aspx?G_ID=1517&amp;Parameter=Precipitation">https://green2.kingcounty.gov/hydrology/DataDownload.aspx?G_ID=1517&amp;Parameter=Precipitation</a>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">03/31/23</td> <td style="text-align: center;">04/01/23</td> <td style="text-align: center;">04/02/23</td> <td style="text-align: center;">04/03/23</td> <td style="text-align: center;">04/04/23</td> <td style="text-align: center;">04/05/23</td> <td style="text-align: center;">04/06/23</td> </tr> <tr> <td style="text-align: left;">Precipitation (in)</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.01</td> <td style="text-align: center;">0.31</td> <td style="text-align: center;">0.19</td> <td style="text-align: center;">0.01</td> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.53</td> </tr> </table>			03/31/23	04/01/23	04/02/23	04/03/23	04/04/23	04/05/23	04/06/23	Precipitation (in)	0.4	0.01	0.31	0.19	0.01	0.0	0.53
	03/31/23	04/01/23	04/02/23	04/03/23	04/04/23	04/05/23	04/06/23										
Precipitation (in)	0.4	0.01	0.31	0.19	0.01	0.0	0.53										

### VISUAL INSPECTION CHECKLIST

Asphalt Concrete				
	Yes	No	Needs Repair	If yes, describe:
Minor cracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Locations SRDS AC-1, AC-3, AC-6, AC-7, AC-9, AC-10, AC-11 AC-13, AC-14, AC-15, AC-16, AC-19 See Table 1 for details
Open cracks/ruts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Locations SRDS AC-13, AC-16, AC-20 See Table 1 for details
Differential settlement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Potholes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pooling or ponding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Locations SRDS AC-1, AC-3, AC-4, AC-6, AC-7, AC-9, AC-11, AC-13, AC-16, AC-17, AC-18, AC-19 See Table 1 for details
Separation of pavement from curbs, gutters, or catch basins	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sloughing or crumbling of edge materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other signs of cap damage, failure, or disturbance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Recommended Maintenance or Repair Type/Location:</b> See Table 1 for recommended actions.				

**VISUAL INSPECTION CHECKLIST (continued)**

<b>Low-Permeability Geomembrane</b>				
	<b>Yes</b>	<b>No</b>	<b>Needs Repair</b>	<b>If yes, describe:</b>
Erosion of cover soil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed geotextile	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Holes/signs of unauthorized digging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Poor vegetative cover	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed geomembrane	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Recommended Maintenance or Repair Type/Location:</b>				

<b>Stormwater Management Facilities</b>				
	<b>Yes</b>	<b>No</b>	<b>Needs Repair</b>	<b>If yes, describe:</b>
Signs of water infiltration below structures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Erosion of soil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed geotextile membrane	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Holes/signs of unauthorized digging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Invasive/deep-rooted plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Poor vegetative cover	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Incorrect drainage path or not draining	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location SRDS SW-4
<b>Recommended Maintenance or Repair Type/Location:</b>				
See Table 1 for recommended actions.				

**Attach necessary documentation such as photographs, sketches, and additional notes.**

See Table 1, figures and inspection photos included in the cap inspection report.



A-2

CenterPoint Cap Inspection Checklist



## SOUTH PARK LANDFILL CAP INSPECTION FORM A

<b>Date:</b> April 6, 2023 <b>Inspector(s):</b> Tiffany Neier, Amanda Weiss	<b>Parcel Owner:</b> <input type="checkbox"/> SRDS <input checked="" type="checkbox"/> CenterPoint (former SPPD) <input type="checkbox"/> Right-of-Way																
<b>Type of Inspection:</b> <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Reinspection <input type="checkbox"/> Non-Routine    Reason:																	
<b>Last Rain Event before Inspection:</b> Daily precipitation observations from King County Hamm Creek Rain Station (HAU2). Source: <a href="https://green2.kingcounty.gov/hydrology/DataDownload.aspx?G_ID=1517&amp;Parameter=Precipitation">https://green2.kingcounty.gov/hydrology/DataDownload.aspx?G_ID=1517&amp;Parameter=Precipitation</a>																	
<table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border: none;"></td> <td style="border: none; text-align: center;">03/31/23</td> <td style="border: none; text-align: center;">04/01/23</td> <td style="border: none; text-align: center;">04/02/23</td> <td style="border: none; text-align: center;">04/03/23</td> <td style="border: none; text-align: center;">04/04/23</td> <td style="border: none; text-align: center;">04/05/23</td> <td style="border: none; text-align: center;">04/06/23</td> </tr> <tr> <td style="border: none; text-align: right;">Precipitation (in)</td> <td style="border: none; text-align: center;">0.4</td> <td style="border: none; text-align: center;">0.01</td> <td style="border: none; text-align: center;">0.31</td> <td style="border: none; text-align: center;">0.19</td> <td style="border: none; text-align: center;">0.01</td> <td style="border: none; text-align: center;">0.0</td> <td style="border: none; text-align: center;">0.53</td> </tr> </table>			03/31/23	04/01/23	04/02/23	04/03/23	04/04/23	04/05/23	04/06/23	Precipitation (in)	0.4	0.01	0.31	0.19	0.01	0.0	0.53
	03/31/23	04/01/23	04/02/23	04/03/23	04/04/23	04/05/23	04/06/23										
Precipitation (in)	0.4	0.01	0.31	0.19	0.01	0.0	0.53										

### VISUAL INSPECTION CHECKLIST

Asphalt Concrete				
	Yes	No	Needs Repair	If yes, describe:
Minor cracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location SPPD-AC-15, AC-20
Open cracks/ruts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Locations SPPD AC-6, AC-19,AC-21,AC-22 See Table 2 for details
Differential settlement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Potholes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pooling or ponding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Locations SPPD AC-1, AC-4, AC-5, AC-6, AC-7, AC-8, AC-9, AC-10, AC-11, AC-12, AC-13, AC-14, AC-17, and AC-18 See Table 2 for details
Separation of pavement from curbs, gutters, or catch basins	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sloughing or crumbling of edge materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Invasive plant growth	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Locations SPPD AC-13, AC-19, AC-21 and AC-22 See Table 2 for details
Other signs of cap damage, failure, or disturbance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Location SPPD AC-3 See Table 2 for details
<b>Recommended Maintenance or Repair Type/Location:</b> See Table 2 for recommended actions.				

**VISUAL INSPECTION CHECKLIST (continued)**

<b>Low-Permeability Geomembrane</b>				
	<b>Yes</b>	<b>No</b>	<b>Needs Repair</b>	<b>If yes, describe:</b>
Erosion of cover soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location SPPD G-3 See Table 2 for details
Exposed geotextile	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Holes/signs of unauthorized digging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Poor vegetative cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Locations SPPD G-4, G-5, G-10, G-11, G-12 See Table 2 for details
Exposed geomembrane	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Locations SPPD G-6, G-7, G-8 See Table 2 for details
Soil Sloughing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location SPPD G-13 See Table 2 for details
<b>Recommended Maintenance or Repair Type/Location:</b> See Table 2 for recommended actions.				

<b>Stormwater Management Facilities</b>				
	<b>Yes</b>	<b>No</b>	<b>Needs Repair</b>	<b>If yes, describe:</b>
Signs of water infiltration below structures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Erosion of soil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed geotextile membrane	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Holes/signs of unauthorized digging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Invasive/deep-rooted plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Location SPPD SW-2 See Table 2 for details
Poor vegetative cover	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Incorrect drainage path or not draining	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Location SPPD SW-1 See Table 2 for details
<b>Recommended Maintenance or Repair Type/Location:</b> See Table 2 for recommended actions.				

**Attach necessary documentation such as photographs, sketches, and additional notes.**

See Table 2, figures and inspection photos included in the cap inspection report.

A-3  
ROW Cap Inspection Checklist



## SOUTH PARK LANDFILL CAP INSPECTION FORM A

<b>Date:</b> April 6, 2023 <b>Inspector(s):</b> Tiffany Neier, Amanda Weiss	<b>Parcel Owner:</b> <input type="checkbox"/> SRDS <input type="checkbox"/> CenterPoint (former SPPD) <input checked="" type="checkbox"/> Right-of-Way																
<b>Type of Inspection:</b> <input checked="" type="checkbox"/> Annual <input checked="" type="checkbox"/> Reinspection <input type="checkbox"/> Non-Routine    Reason:																	
<b>Last Rain Event before Inspection:</b> Daily precipitation observations from King County Hamm Creek Rain Station (HAU2). Source: <a href="https://green2.kingcounty.gov/hydrology/DataDownload.aspx?G_ID=1517&amp;Parameter=Precipitation">https://green2.kingcounty.gov/hydrology/DataDownload.aspx?G_ID=1517&amp;Parameter=Precipitation</a>																	
<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">03/31/23</td> <td style="width: 10%;">04/01/23</td> <td style="width: 10%;">04/02/23</td> <td style="width: 10%;">04/03/23</td> <td style="width: 10%;">04/04/23</td> <td style="width: 10%;">04/05/23</td> <td style="width: 10%;">04/06/23</td> </tr> <tr> <td>Precipitation (in)</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.01</td> <td style="text-align: center;">0.31</td> <td style="text-align: center;">0.19</td> <td style="text-align: center;">0.01</td> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.53</td> </tr> </table>			03/31/23	04/01/23	04/02/23	04/03/23	04/04/23	04/05/23	04/06/23	Precipitation (in)	0.4	0.01	0.31	0.19	0.01	0.0	0.53
	03/31/23	04/01/23	04/02/23	04/03/23	04/04/23	04/05/23	04/06/23										
Precipitation (in)	0.4	0.01	0.31	0.19	0.01	0.0	0.53										

### VISUAL INSPECTION CHECKLIST

Asphalt Concrete				
	Yes	No	Needs Repair	If yes, describe:
Minor cracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Locations ROW AC-1 See Table 3 for details
Open cracks/ruts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Locations ROW AC-1, AC-2, See Table 3 for details
Differential settlement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Potholes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Locations ROW AC-1, AC-3, AC-4 See Table 3 for details
Pooling or ponding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Separation of pavement from curbs, gutters, or catch basins	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sloughing or crumbling of edge materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other signs of cap damage, failure, or disturbance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Recommended Maintenance or Repair Type/Location:</b> See Table 3 for recommended actions.				

**VISUAL INSPECTION CHECKLIST (continued)**

<b>Low-Permeability Geomembrane</b>				
	<b>Yes</b>	<b>No</b>	<b>Needs Repair</b>	<b>If yes, describe:</b>
Erosion of cover soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Exposed geotextile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Holes/signs of unauthorized digging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Poor vegetative cover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Exposed geomembrane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
<b>Recommended Maintenance or Repair Type/Location:</b>				

<b>Stormwater Management Facilities</b>				
	<b>Yes</b>	<b>No</b>	<b>Needs Repair</b>	<b>If yes, describe:</b>
Signs of water infiltration below structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Erosion of soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Exposed geotextile membrane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Holes/signs of unauthorized digging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Invasive/deep-rooted plants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Poor vegetative cover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
Incorrect drainage path or not draining	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to ROW.
<b>Recommended Maintenance or Repair Type/Location:</b>				

**Attach necessary documentation such as photographs, sketches, and additional notes.**

See Table 3, figures and inspection photos included in the cap inspection report.

**Attachment B**  
Maintenance Forms

No Maintenance Reported

