APPENDIX M (continued)
Field Report – Geotechnical

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/18/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-14
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1600	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, ~66° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Theo Leonard of GeoEngineers (Project Engineer) and Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) on the north side and in the northwest quadrant of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was moisture conditioned and track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

The contractor was also importing topsoil (Pacific Topsoil) and City of Seattle Type 17 (Glacier), and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade on the north and in the northwest quadrant of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly and was free of pumping soil conditions and observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	09/18/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Whitney L. Ciani, PE	09/19/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The contractor was moisture conditioning the material utilizing a fire hose. The Type 17 placed today and over the last two days was compacted utilizing an Ingersall Rand steel drum vibratory roller. After rolling, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

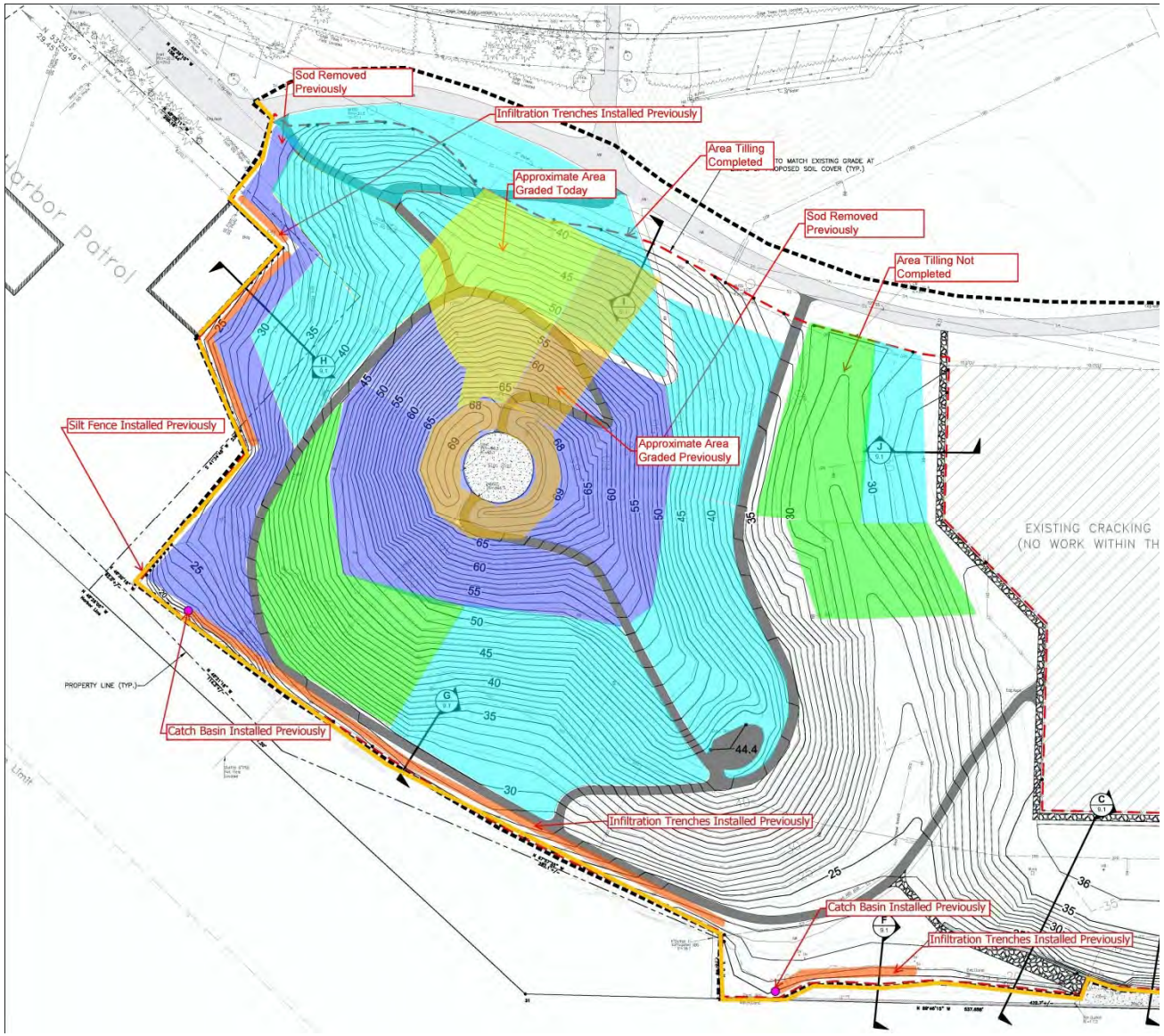
Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/19/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-15
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1600	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Mostly Sunny, ~72° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Theo Leonard of GeoEngineers (Project Engineer) and Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the northwest quadrant of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was moisture conditioned and track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

The contractor was also importing topsoil (Pacific Topsoil) and City of Seattle Type 17 (Glacier), and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the northwest quadrant of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

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	Steven L. Godes	**09/19/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Whitney L. Ciani, PE	**09/22/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The contractor was moisture conditioning the material utilizing a fire hose. The Type 17 was compacted utilizing an Ingersall Rand steel drum vibratory roller. After rolling, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/22/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-16
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1630	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Mostly Sunny, ~72° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Theo Leonard of GeoEngineers (Project Engineer) and Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor tilling near the northwest quadrant of Kite Hill where stockpiled materials were previously stored (see attached site plan). The contractor utilized a John Deere tractor with a rear mounted tiller to break up and mix the sod and roots. The tilled area was deemed acceptable after the material was clear of sod clumps and large organics. The area was evaluated by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 8- to 10-inches. The contractor was also removing debris (brick, concrete, asphalt, metal) larger than 4 inches in diameter from the tilled area.

We understand that the contractor will use a track mounted excavator to compact the tilled areas prior to placing geo-grid and soil cap materials.

We observed the contractor performing some fine grading (shallow cuts and fills) in the northwest quadrant of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was moisture conditioned and track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

The contractor was also importing topsoil (Pacific Topsoil) and City of Seattle Type 17 (Glacier), and stockpliling it in the northeast quadrant of the site.

	FIELD REPRESENTATIVE	DATE
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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Whitney L. Ciani, PE	09/23/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the northwest quadrant of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The contractor was moisture conditioning the material utilizing a fire hose. The Type 17 was compacted utilizing an Ingersall Rand steel drum vibratory roller. After rolling, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor preparing shallow trenches on the north side of Kite Hill to begin installing the new irrigation system.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/23/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-17
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1630	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Occ. Lt. Rain ~70° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Theo Leonard of GeoEngineers (Project Engineer) and Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) on the west side of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was moisture conditioned and track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

The contractor was also importing topsoil (Pacific Topsoil) and City of Seattle Type 17 (Glacier), and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade on the west side of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

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	Steven L. Godes	**09/23/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Whitney L. Ciani, PE	**09/23/14**

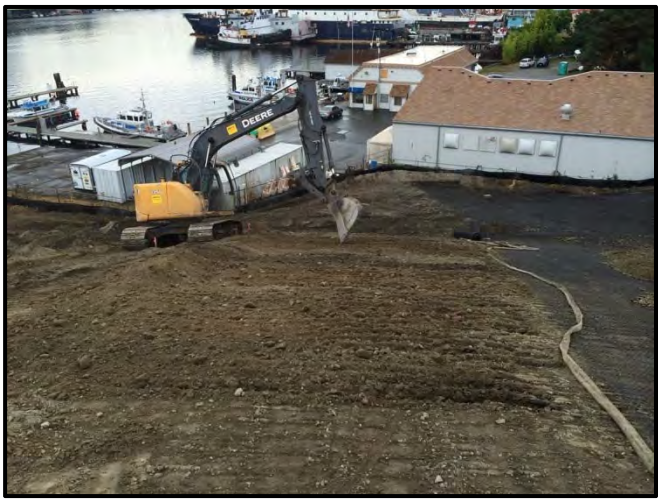
Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The contractor was moisture conditioning the material utilizing a fire hose. The Type 17 was compacted utilizing an Ingersall Rand steel drum vibratory roller. After rolling, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability



Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

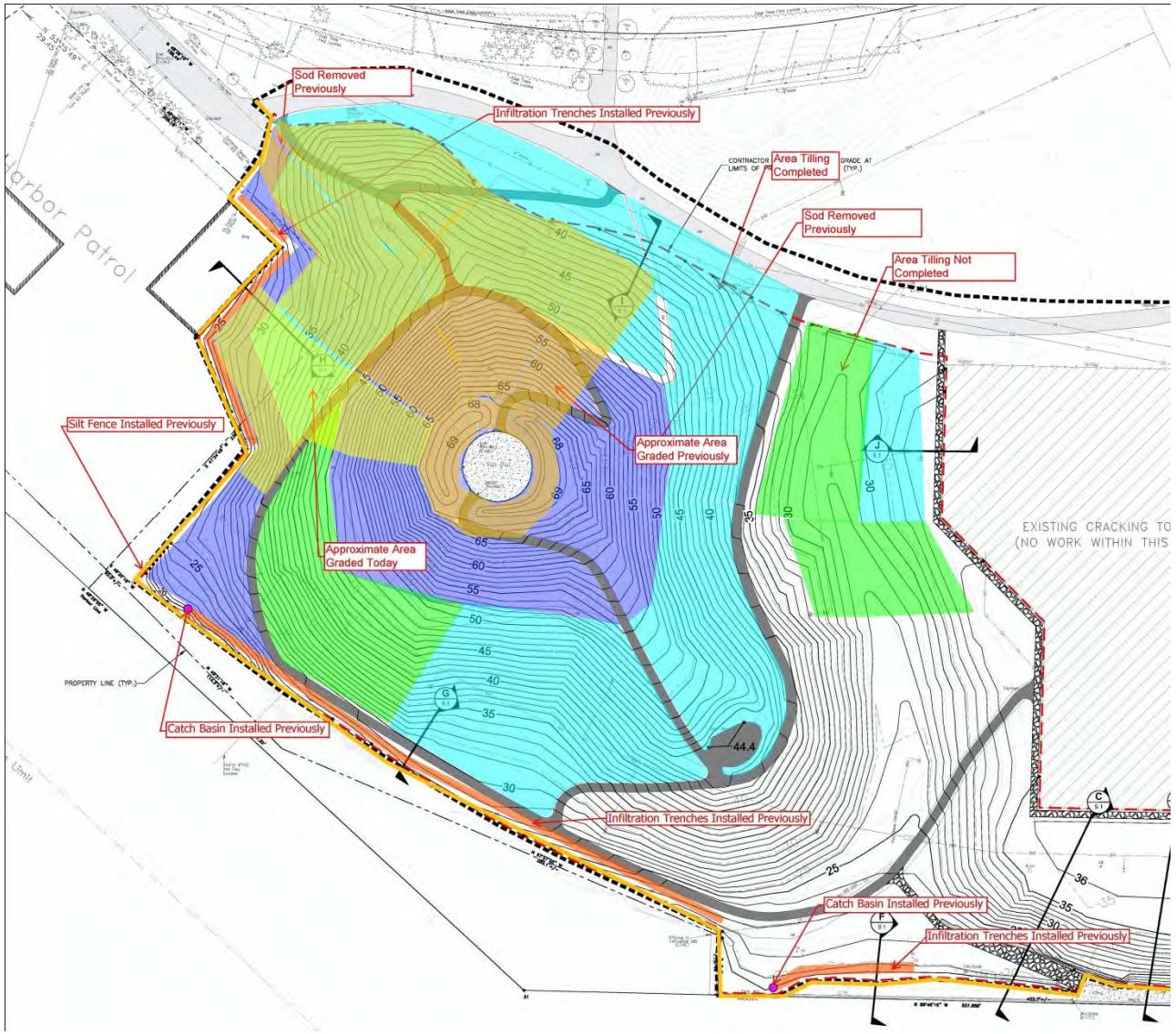
We observed the contractor continue installing the new irrigation system on the north side of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/24/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-18
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1100	Page: 1 of 1
Purpose of visit: Construction Observations	Weather: Overcast, Rain ~66° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Due to heavy rain, the contractor was not performing earthwork activities today.

The contractor was importing topsoil (Pacific Topsoil) and City of Seattle Type 17 (Glacier), and stockpliling it in the northwest quadrant of the site.

Geo-Grid and Soil Cap Placement

Due to heavy rain, the contractor was not placing geo-grid or soil cap materials today.

Slope Stability

Kite Hill remained stable during the rainstorm; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system on the north side of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

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	Steven L. Godes	**09/24/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Whitney L. Ciani, PE	**09/24/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/25/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-19
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 0930	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Rain ~66° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the northwest quadrant of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was not track compacted as the subgrade was too wet. No geo-grid was placed in the area yet (see attached site plan).

The contractor was also importing topsoil (Pacific Topsoil) and City of Seattle Type 17 (Glacier), and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

Due to heavy rain, the contractor was not placing geo-grid or soil cap materials today.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system on the north side of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Whitney L. Ciani, PE	**DATE** 09/26/14

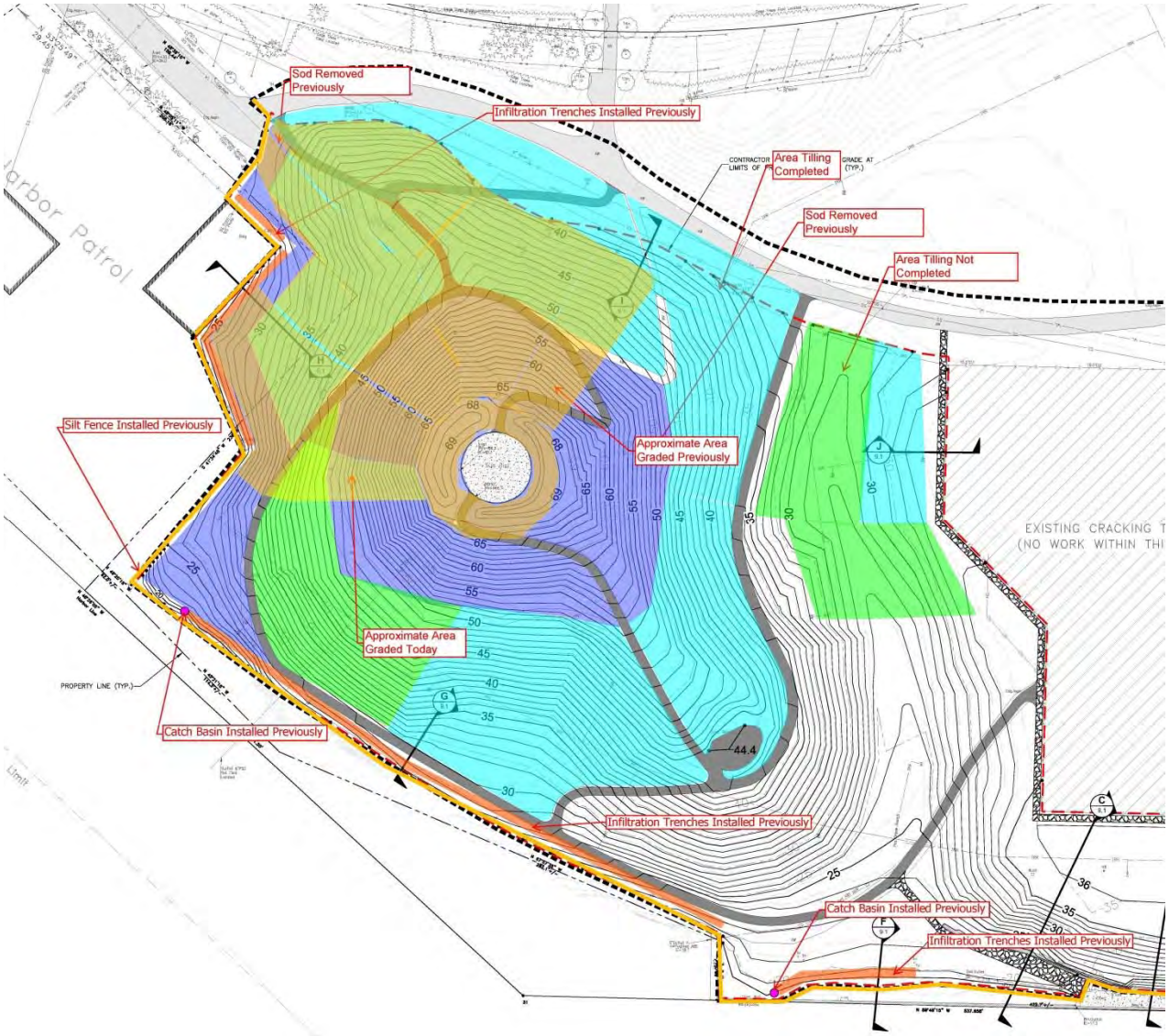
Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/26/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-20
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1300	Page: 1 of 1
Purpose of visit: Construction Observations	Weather: Overcast, Rain ~66° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Due to heavy rain, the contractor was not performing earthwork activities today.

The contractor was importing topsoil (Pacific Topsoil) and City of Seattle Type 17 (Glacier), and stockpliling it in the northwest quadrant of the site.

Geo-Grid and Soil Cap Placement

Due to heavy rain, the contractor was not placing geo-grid or soil cap materials today.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system on the north side of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	09/26/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Whitney L. Ciani, PE	09/26/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

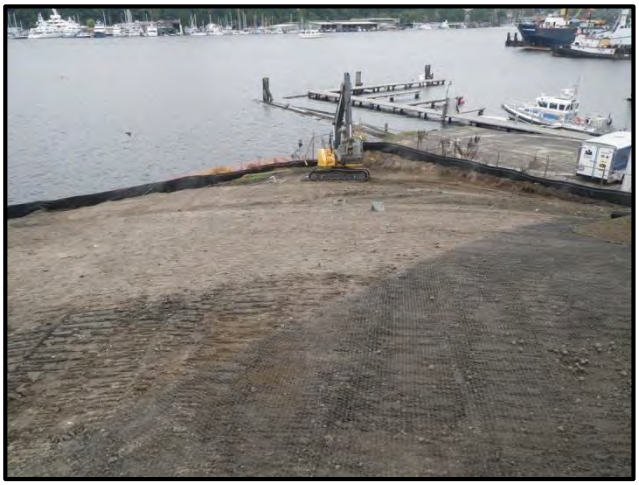
Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/29/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-21
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1630	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Occ. Lt. Rain ~64° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Theo Leonard of GeoEngineers (Project Engineer) and Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.



Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the southwest quadrant of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor preparing the subgrades for the paved pedestrian paths on the north side of Kite Hill. The contractor placed approximately 6-inches of Type 17 along the path alignment and compacted it with an Ingersoll Rand steel drum vibratory roller. After the Type 17 was compacted, we observed the contractor begin placing 5/8-inch minus crushed rock base course over it.

The contractor was also importing crushed rock base and City of Seattle Type 17 (Glacier), and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	09/29/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	REVIEWED BY	DATE
	Bo McFadden, PE, LEG	09/30/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the southwest quadrant of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2 to 3 inches. In those areas that were not tilled where grading is progressing, the contractor stripped the sod and stockpiled it on site for later removal.

We also observed the contractor place an approximately 6-inch thick lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The Type 17 was compacted utilizing a hoepac attached to a Deere 135 D track mounted excavator. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch thick lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

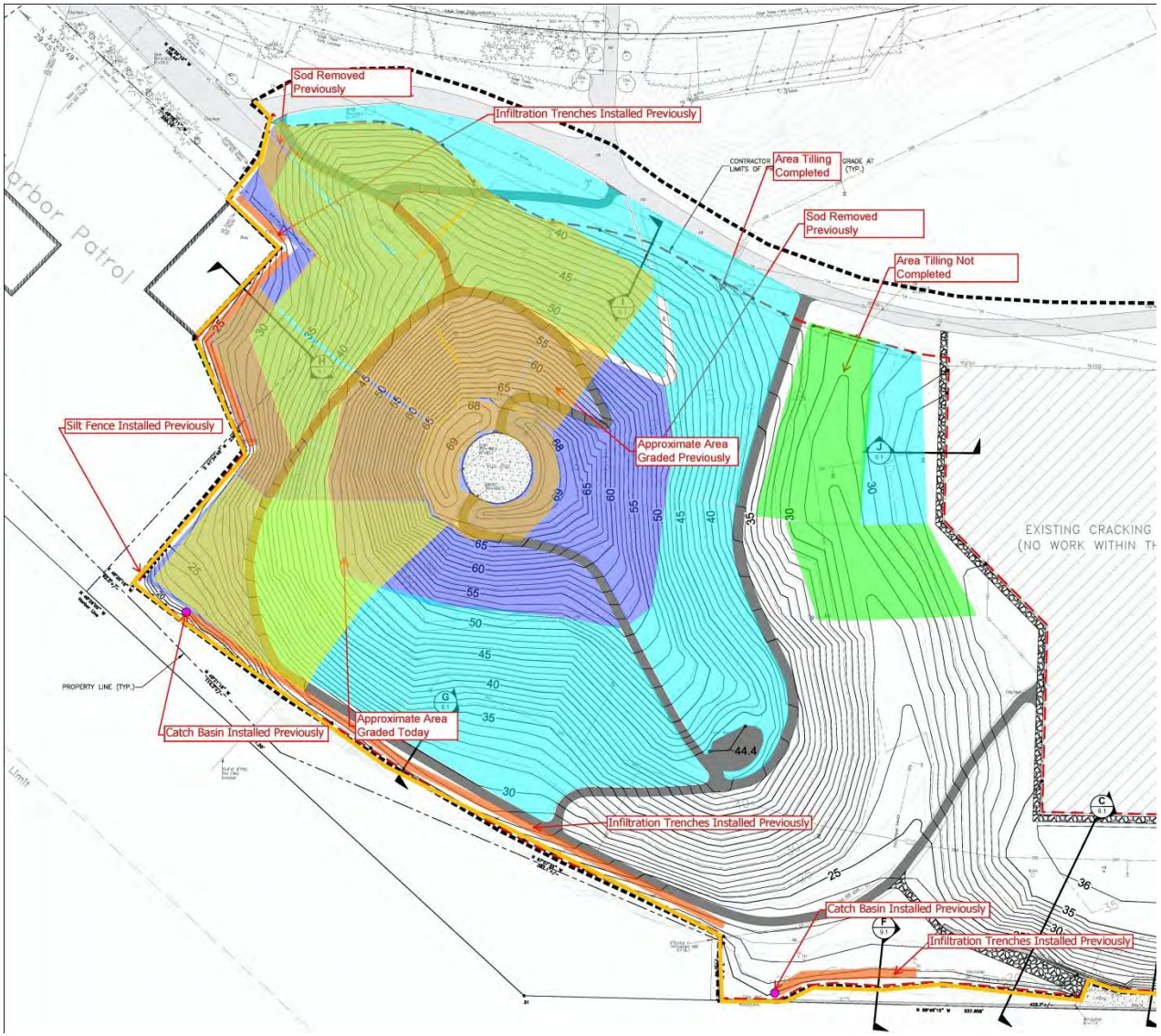
We observed the contractor continue installing the new irrigation system on the north side of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/30/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-22
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1600	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~66° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Theo Leonard of GeoEngineers (Project Engineer) and Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) on the south side of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor preparing the subgrades for the paved pedestrian paths on the north side of Kite Hill. The contractor placed approximately 6-inches of Type 17 at the path alignment and compacted it with an Ingersoll Rand steel drum vibratory roller. After the Type 17 was compacted, we observed the contractor begin placing 5/8-inch minus crushed rock base course over it.

The contractor was also importing crushed rock base, City of Seattle Type 17 (Glacier), and topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	09/30/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	10/02/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

aspects of the project.

Geo-Grid and Soil Cap Placement

No new geo-grid (Tensar TX130S) was placed today.

We observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed yesterday (see attached site plan). The Type 17 was compacted utilizing a hoepac attached to a Deere 135 D track mounted excavator. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

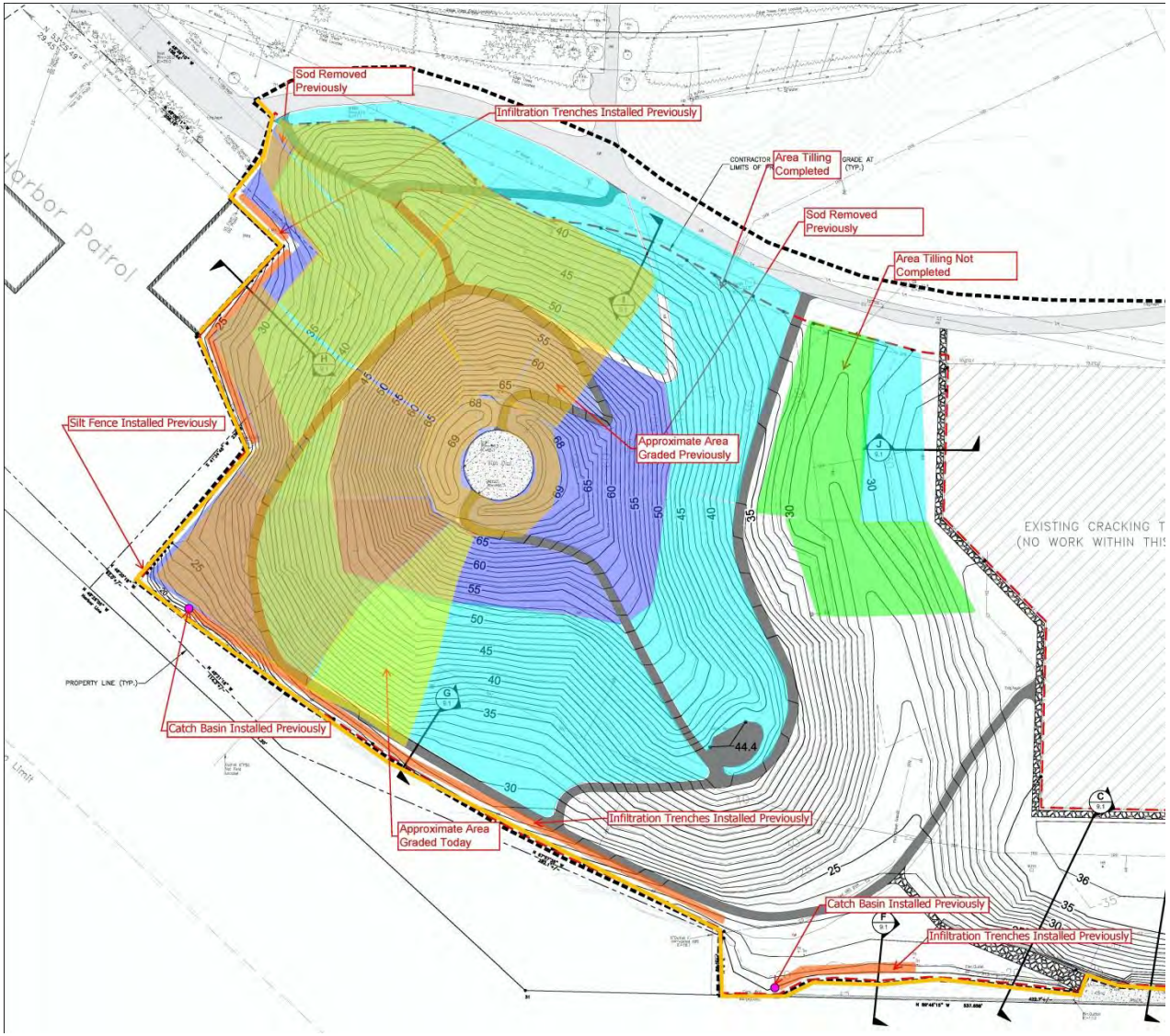
We observed the contractor continue installing the new irrigation system on the north side of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/1/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-23
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1630	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~66° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

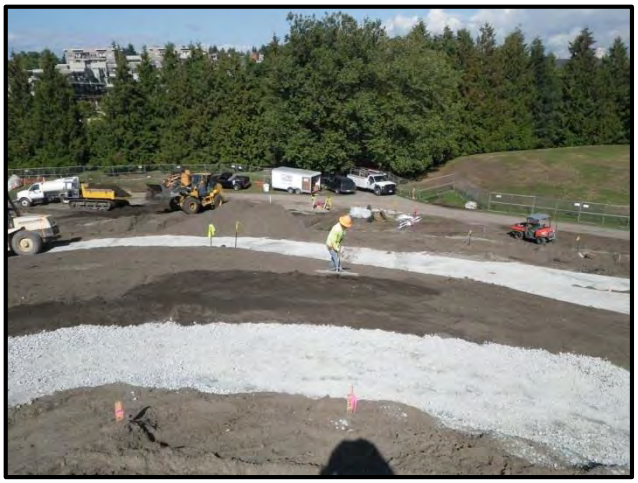
Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading of the topsoil on the north and west sides of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted and/or tamped with the excavator bucket, and was being raked smooth by hand (see attached site plan).

We also observed the contractor preparing the subgrades for the paved pedestrian paths on the north side of Kite Hill. The contractor placed approximately 6-inches of Type 17 at the path alignment and compacted it with an Ingersoll Rand steel drum vibratory roller. After the Type 17 was compacted, we observed the contractor begin placing 5/8-inch minus crushed rock base course over it.



The contractor was also importing crushed rock base, City of Seattle Type 17 (Glacier), and topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical

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	Steven L. Godes	**10/1/14**
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	Bo McFadden, PE, LEG	**10/2/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

aspects of the project.

Geo-Grid and Soil Cap Placement

No new geo-grid (Tensar TX130S) was placed today.

We observed the contractor perform finish grading of the 12-inch lift of topsoil in preparation for hydroseeding later this week (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer and fine graded with a Deere 135 D track mounted excavator.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

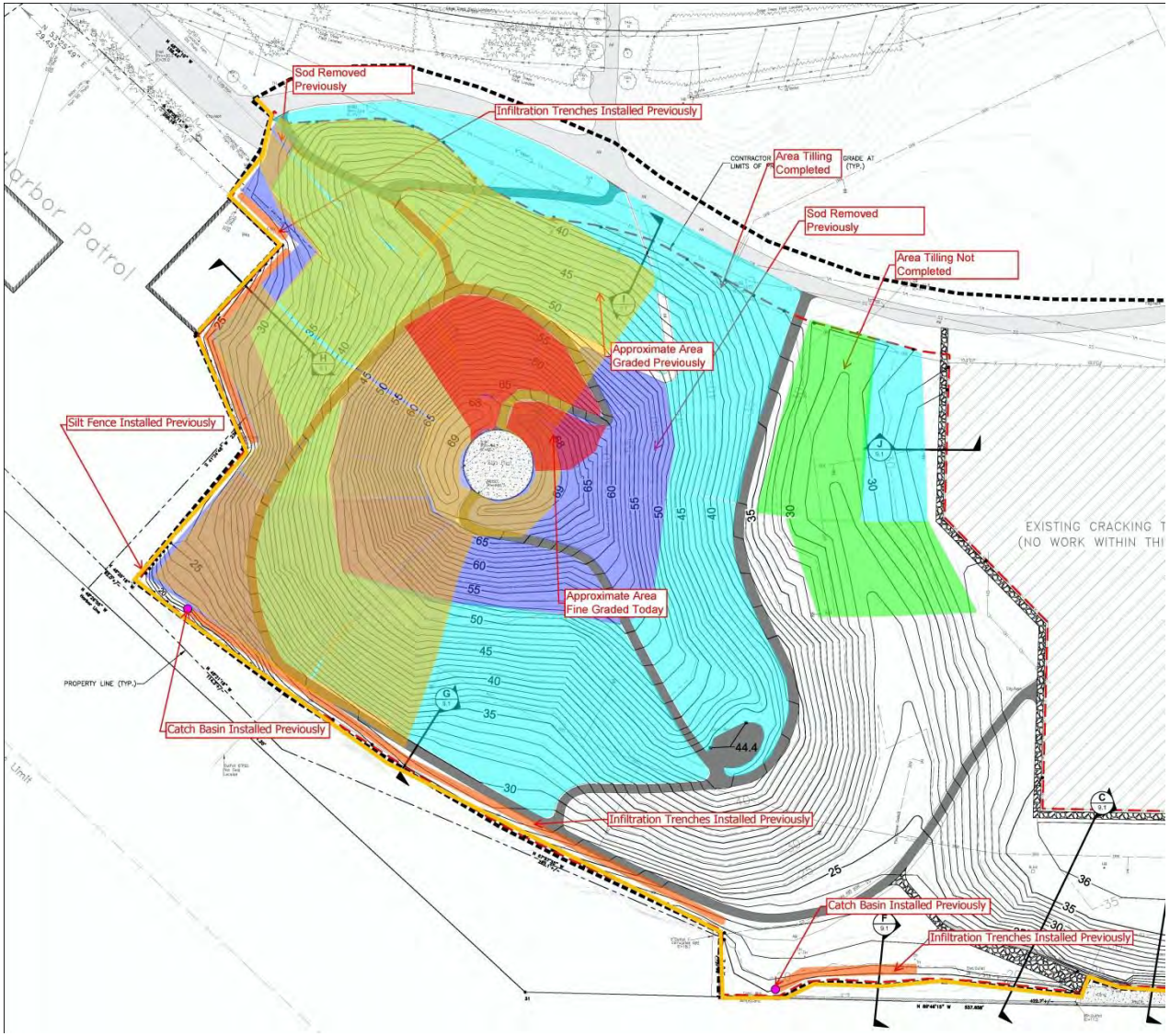
We observed the contractor continue installing the new irrigation system on the north and west sides of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/2/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-24
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1600	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Mostly Sunny, ~68° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading of the topsoil on the north, west and east sides of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted and/or tamped with the excavator bucket, and was being raked smooth by hand (see attached site plan).

We also observed the contractor preparing the subgrades for the paved pedestrian paths on the north side of Kite Hill. The contractor placed approximately 6-inches of Type 17 at the path alignment and compacted it with an Ingersoll Rand steel drum vibratory roller. After the Type 17 was compacted, we observed the contractor begin placing 5/8-inch minus crushed rock base course over it.

The contractor was also importing crushed rock base, City of Seattle Type 17 (Glacier), and topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

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	Steven L. Godes	**10/2/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	**10/3/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Geo-Grid and Soil Cap Placement

No new geo-grid (Tensar TX130S) was placed today.

We observed the contractor perform finish grading of the 12-inch lift of topsoil in preparation for hydroseeding later this week (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer and fine graded with a Deere 135 D track mounted excavator.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

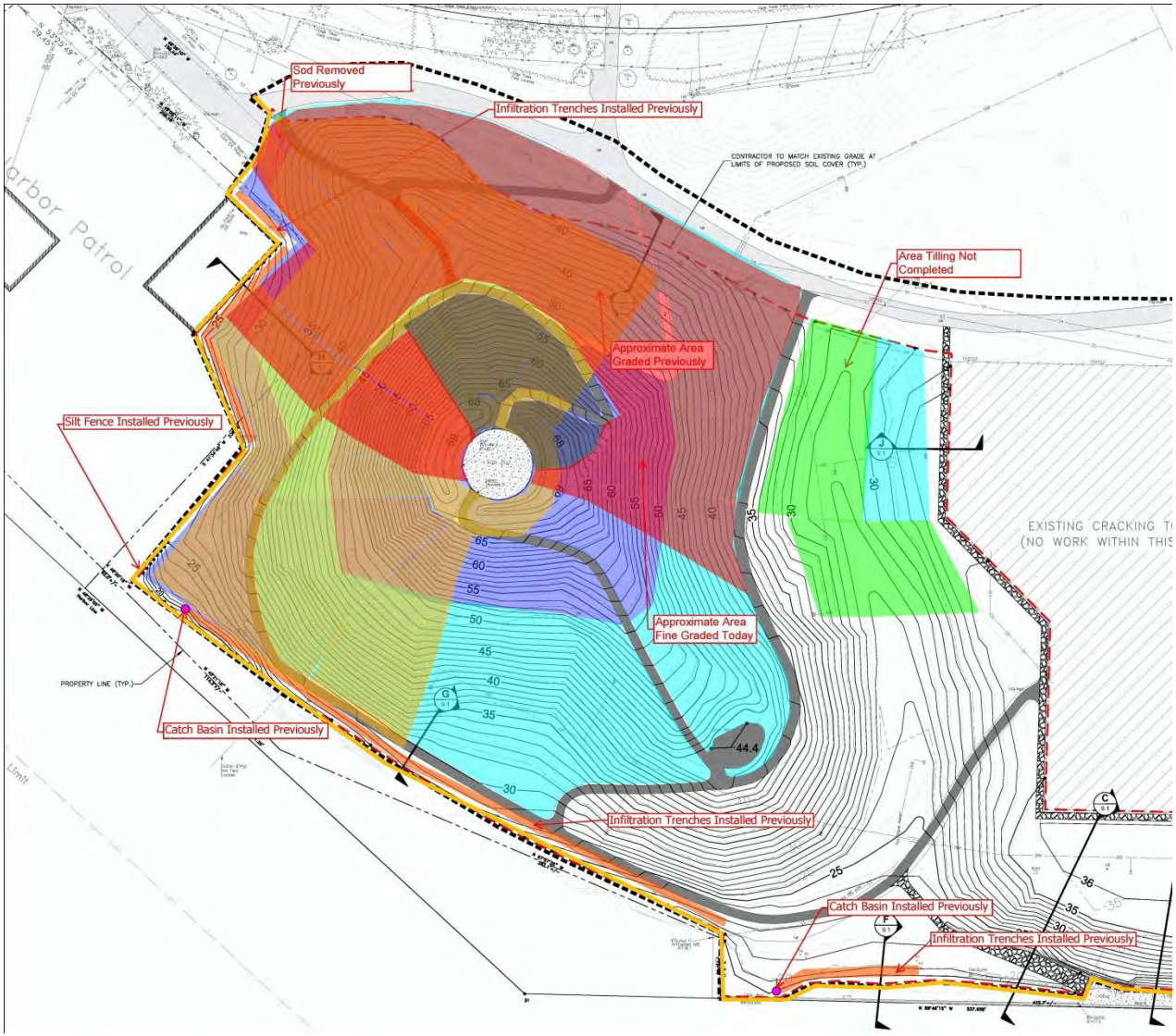
We observed the contractor continue installing the new irrigation system on the east side of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/3/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-25
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Mostly Sunny, ~68° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) on the south side of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

The contractor was also importing crushed rock base, City of Seattle Type 17 (Glacier), and topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the southeast quadrant and the south side of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches. In those areas that were not tilled where grading is progressing, the contractor stripped the sod and stockpiled it on site for later removal.

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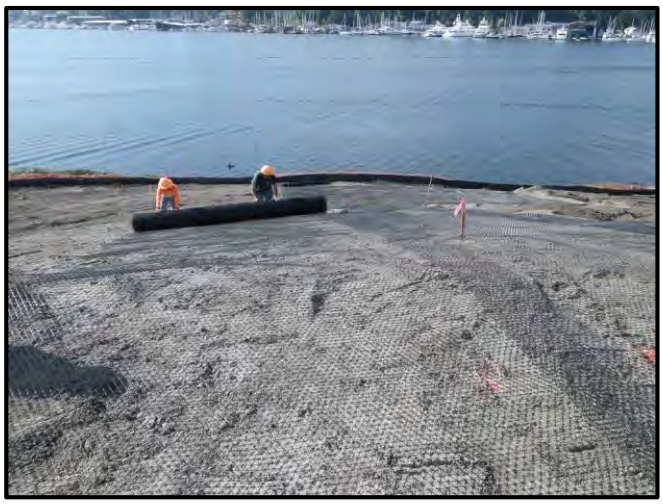
	Steven L. Godes	10/3/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	10/7/14

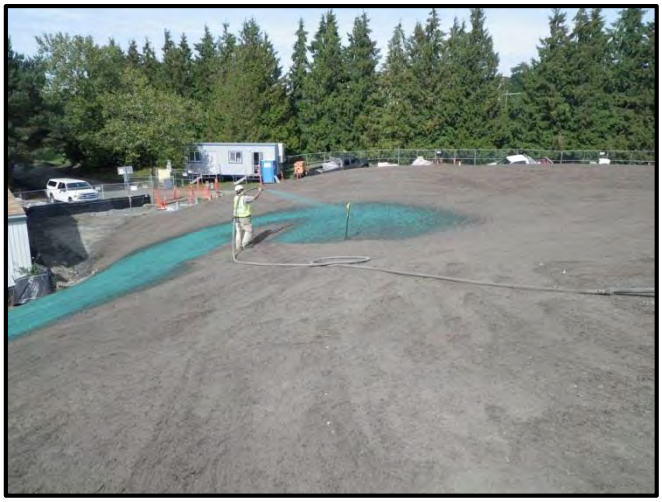
Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The Type 17 was compacted utilizing an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.



Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.



Slope Stability
Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

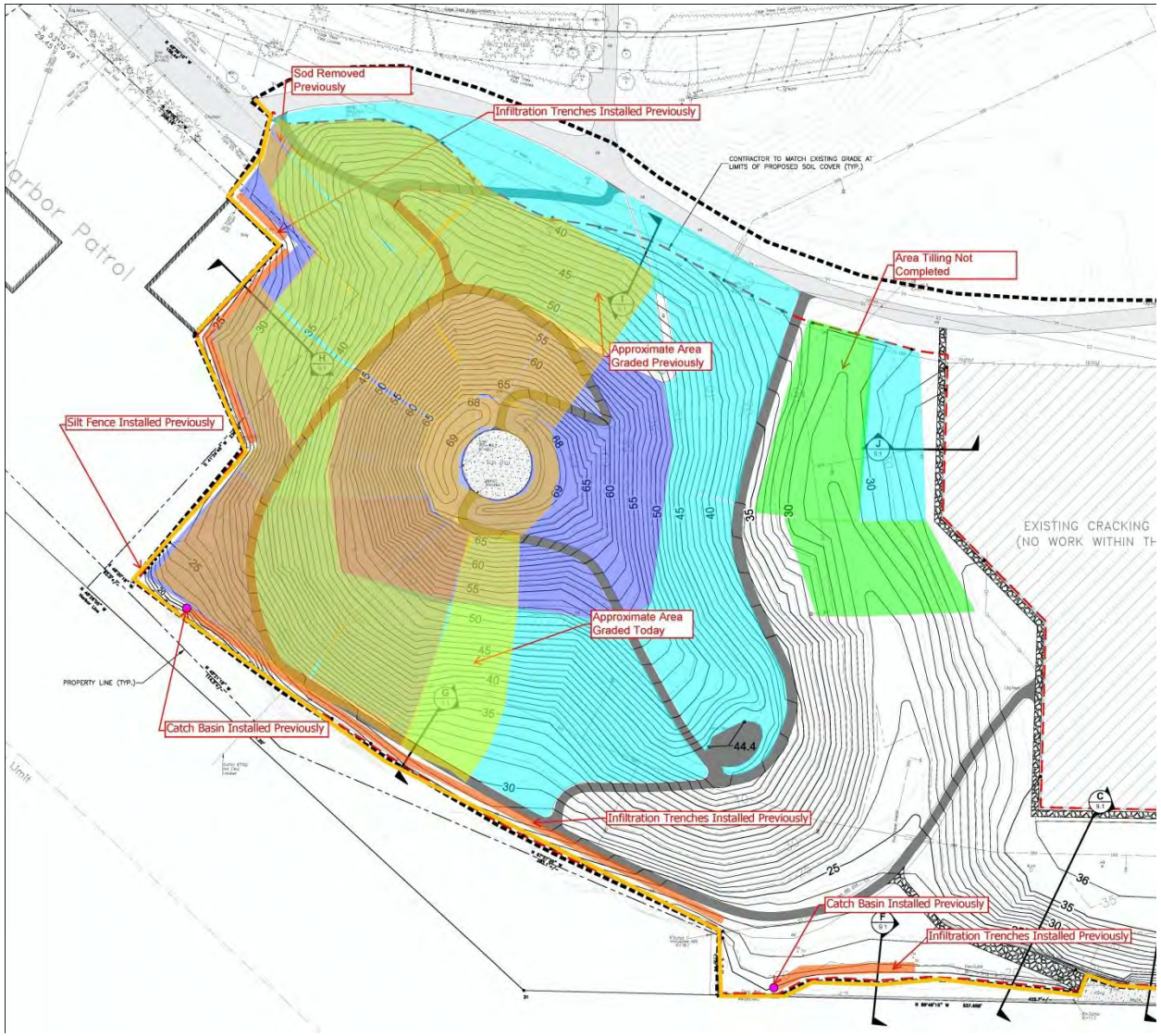
Irrigation
We observed the contractor continue installing the new irrigation system on the south side of Kite Hill.

Hydroseeding
We observed that Country Green Hydroseeding was on site today, and hydroseeded most of the east, north and west sides of Kite Hill.

Temporary Erosion Control
At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/6/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-26
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Sunny, ~75° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor tilling in an area south, and east of Kite Hill in the swale area (see attached site plan). The contractor utilized a Case 450C skid steer with a front mounted Bobcat tiller to break up and mix the sod and roots. The tilled area was deemed acceptable after the material was clear of sod clumps and large organics. We evaluated the area by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 8- to 10- inches. The contractor was also removing debris (brick, concrete, asphalt, metal) larger than 4 inches in diameter from the tilled area.

We understand that the contractor will use a track mounted excavator to compact the tilled areas prior to placing geo-grid and soil cap materials.

We observed the contractor performing some fine grading (shallow cuts and fills) on the south side of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

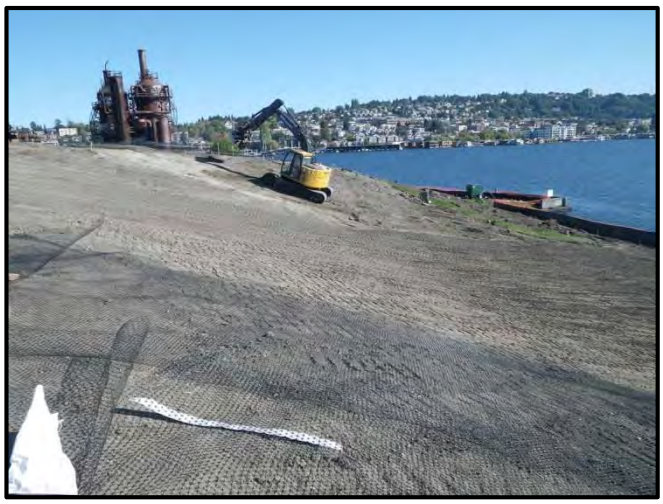
The contractor was also importing City of Seattle Type 17 (Glacier), and topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE** Steven L. Godes	**DATE** 10/6/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 10/10/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.



Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade on the south side of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The Type 17 was compacted utilizing an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

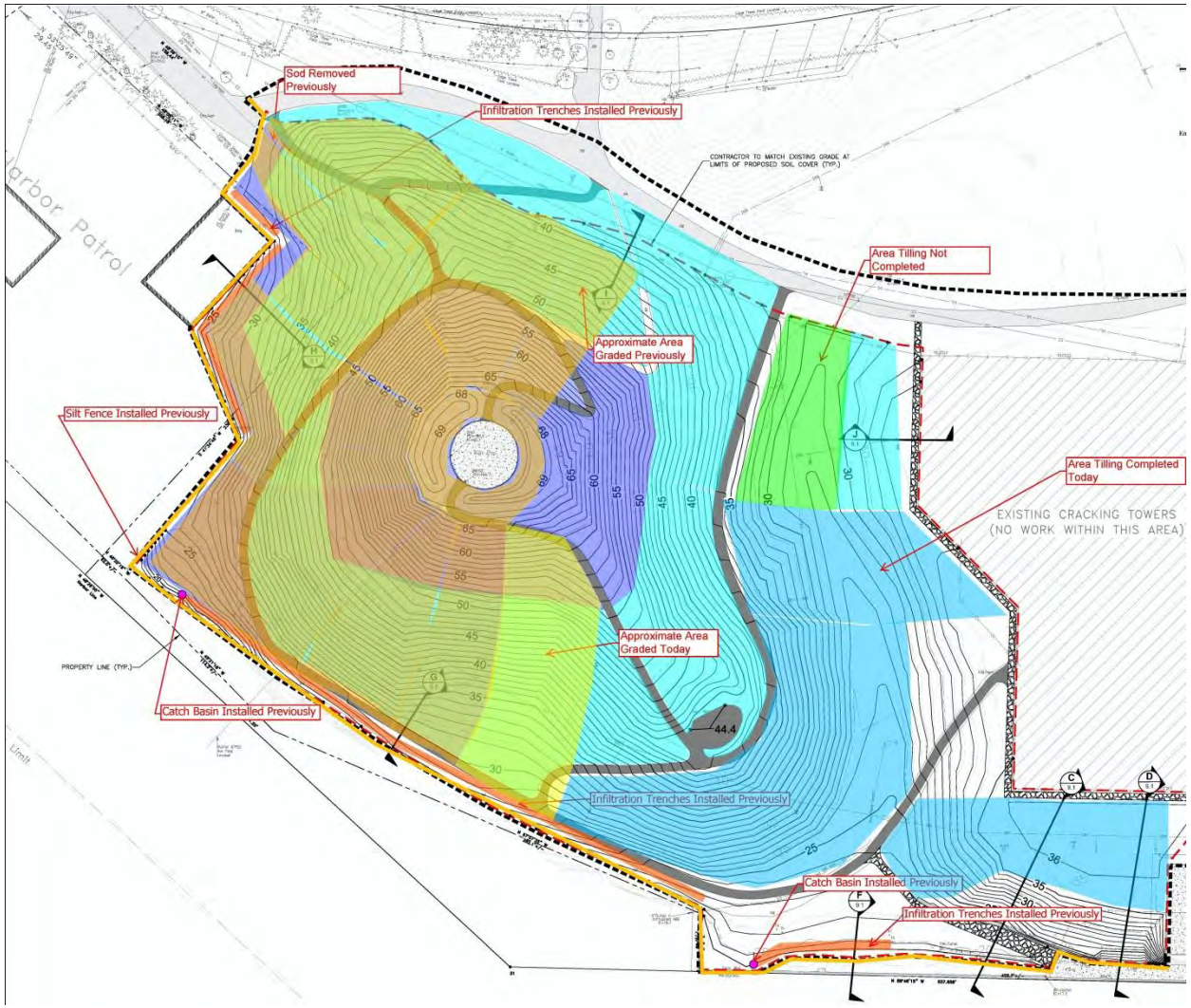
We observed the contractor continue installing the new irrigation system on the southwest side of Kite Hill.

Temporary Erosion Control

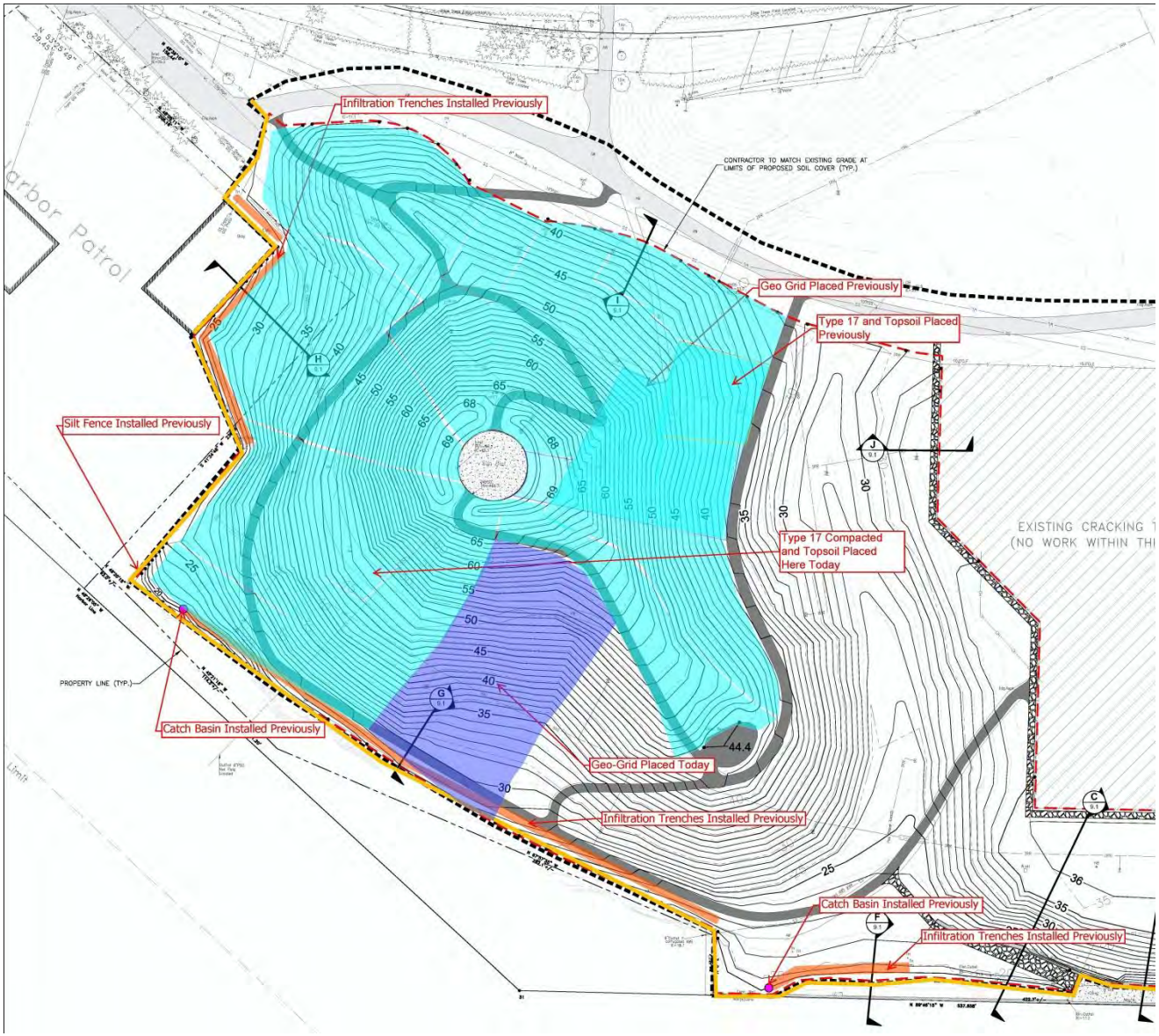
At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/7/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-27
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~68° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) on the south side of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

The contractor was also importing City of Seattle Type 17 (Glacier), crushed rock, and topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

We also observed the contractor removing the existing paved path along the east side of Kite Hill, and stockpile the pavement debris in the northeast quadrant of the site for later removal.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade on the south side of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 10/10/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The Type 17 was compacted utilizing an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

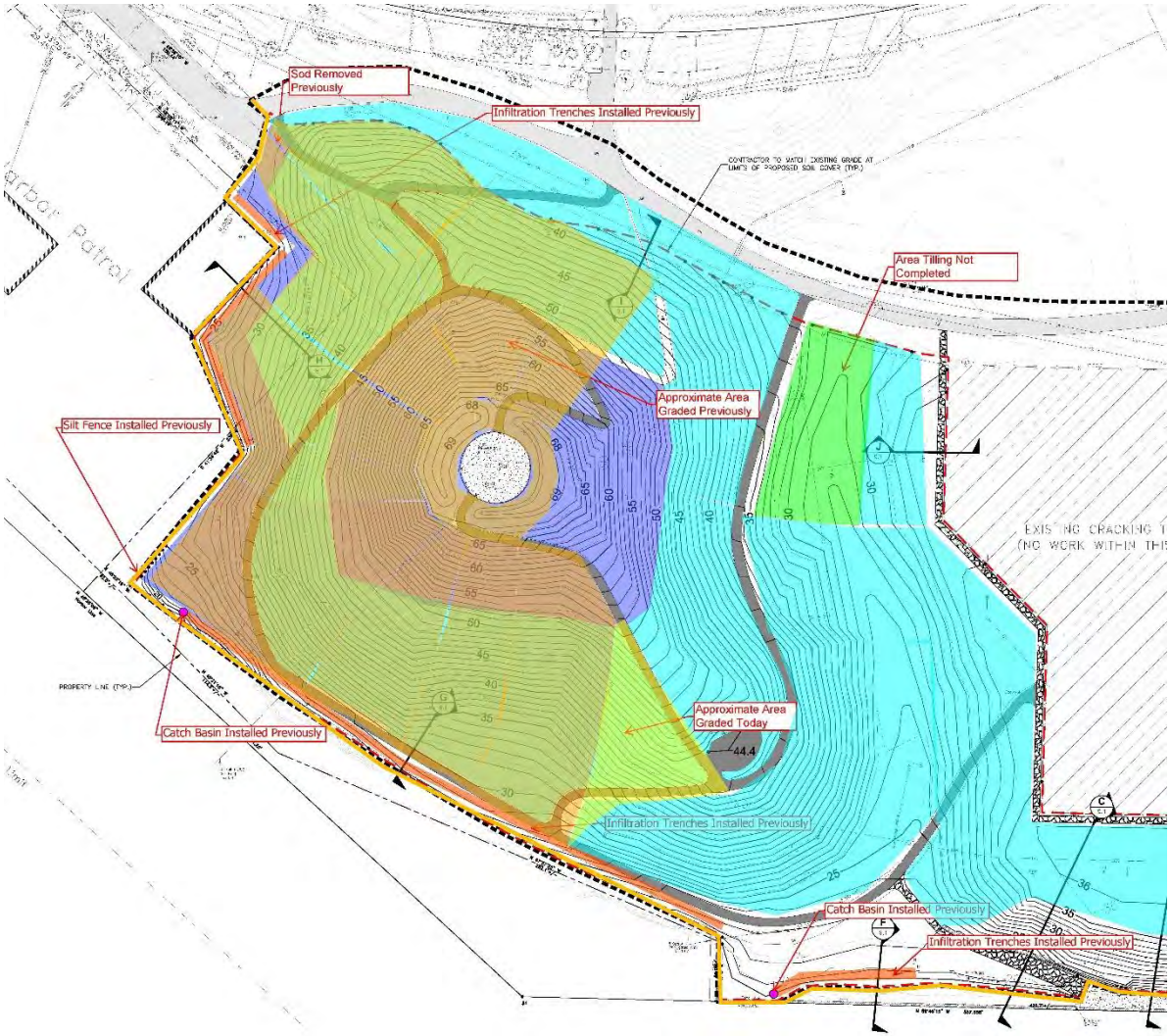
We observed the contractor continue installing the new irrigation system on the south and west sides of Kite Hill.

Temporary Erosion Control

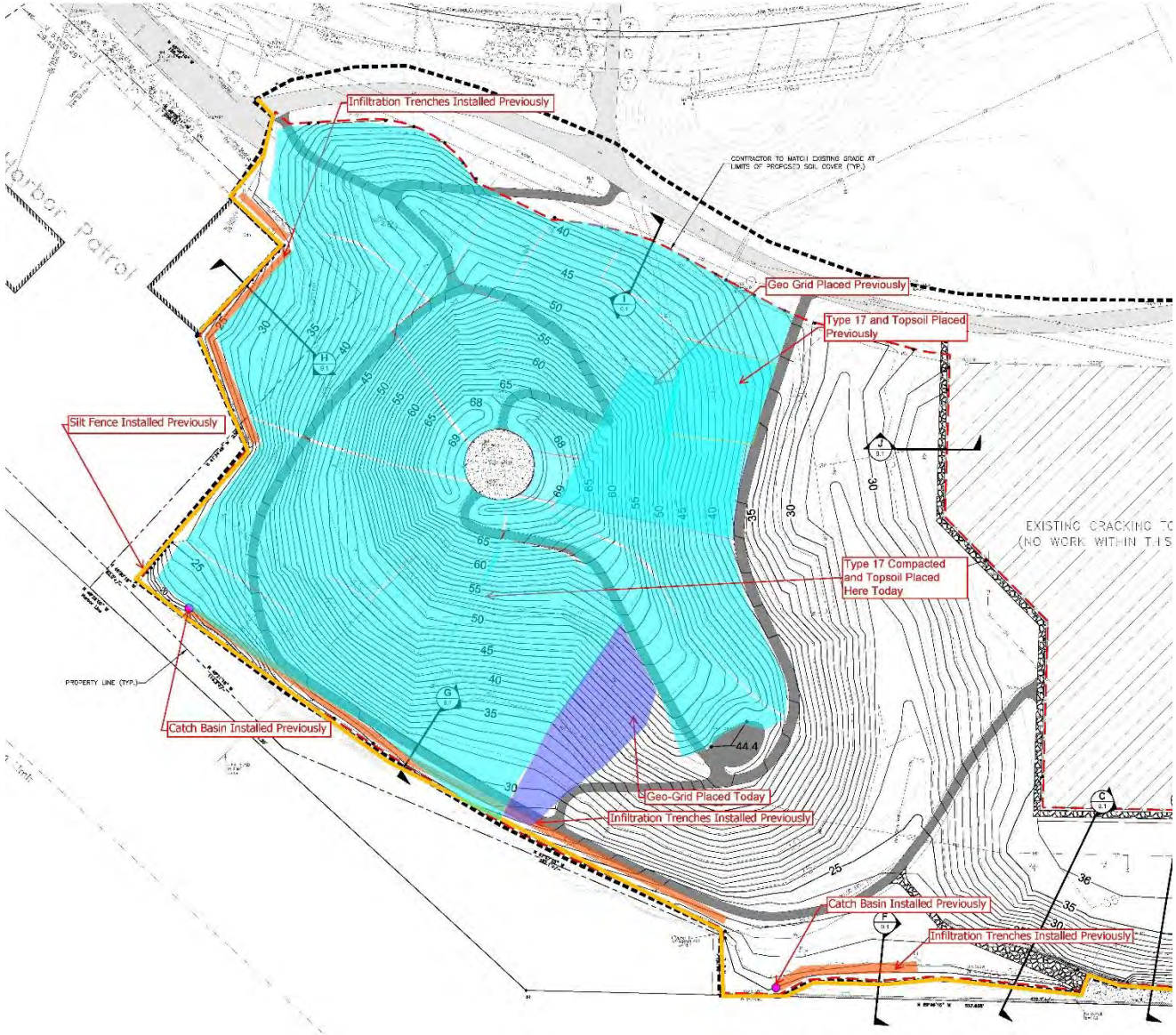
At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/8/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-28
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~68° F	Travel Time: 1 hr	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the southeast quadrant of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor preparing the subgrades for the paved pedestrian paths on the south side of Kite Hill. The contractor placed approximately 6-inches of Type 17 at the path alignment and compacted it with an Ingersoll Rand steel drum vibratory roller. After the Type 17 was compacted, we observed the contractor begin placing 5/8-inch minus crushed rock base course over it.

The contractor was also importing City of Seattle Type 17 (Glacier), crushed rock, and topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade on the south side of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was

	FIELD REPRESENTATIVE	DATE
☐ THIS FIELD REPORT IS PRELIMINARY A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	10/8/14
☒ THIS FIELD REPORT IS FINAL A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	REVIEWED BY	DATE
	Bo McFadden, PE, LEG	10/10/14

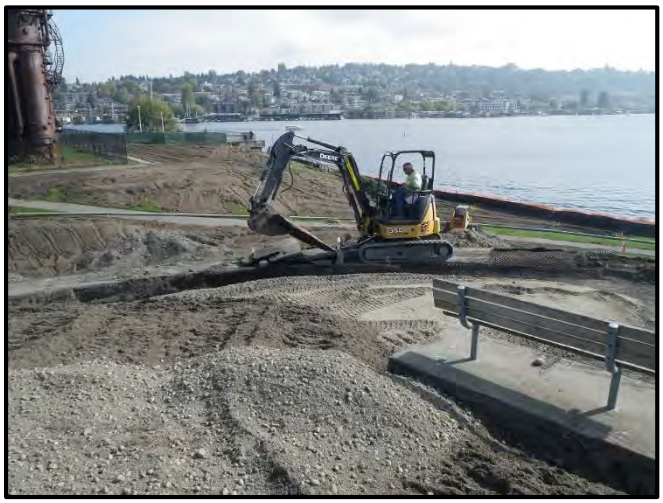
Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The Type 17 was compacted utilizing an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

We observed the contractor perform finish grading of the 12-inch lift of topsoil in the southwest quadrant of Kite Hill in preparation for hydroseeding next week (see attached site plan). The topsoil was being fine graded with a Deere 135 D track mounted excavator.



Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

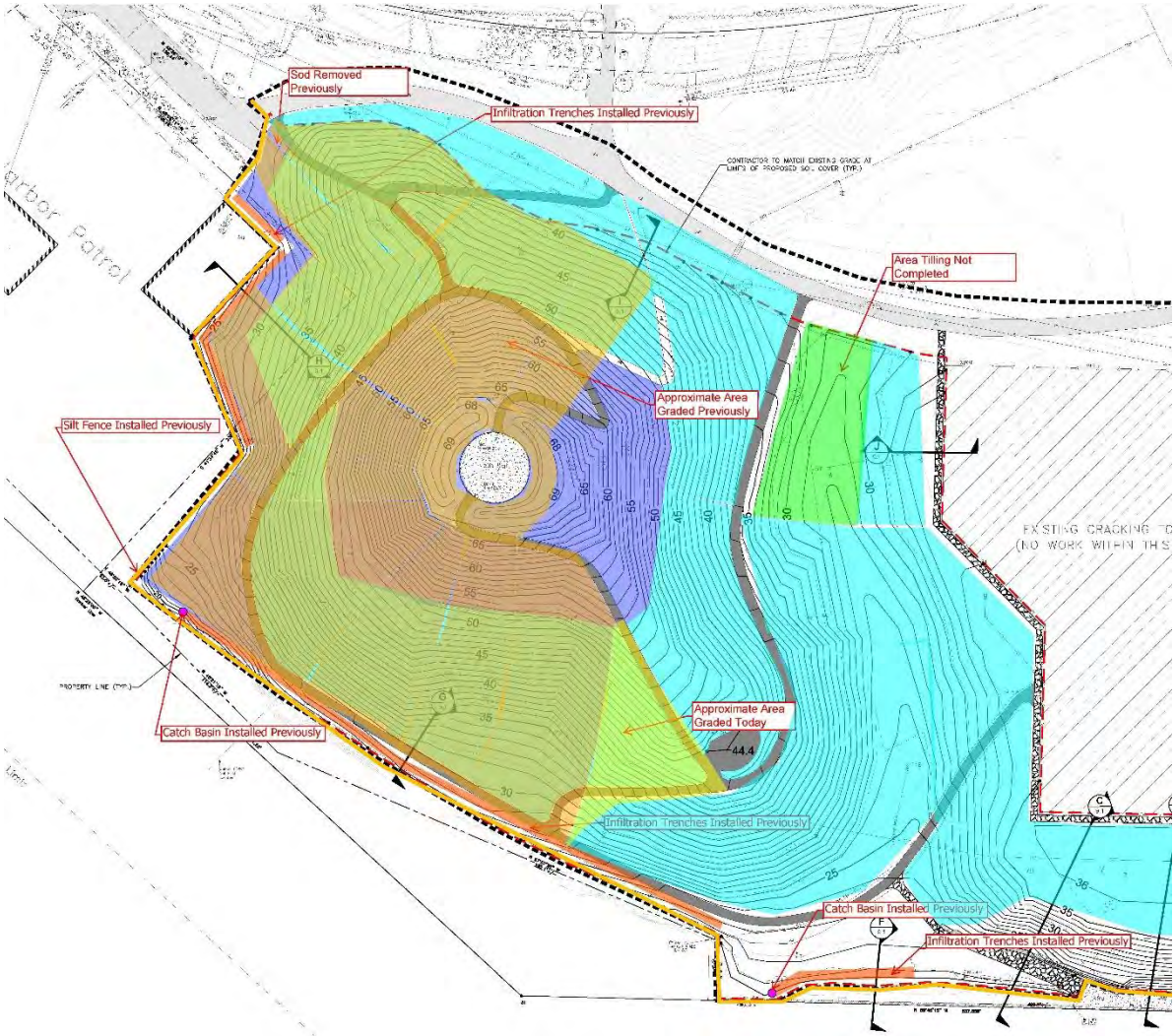
We observed the contractor continue installing the new irrigation system on the south and west sides of Kite Hill.

Temporary Erosion Control

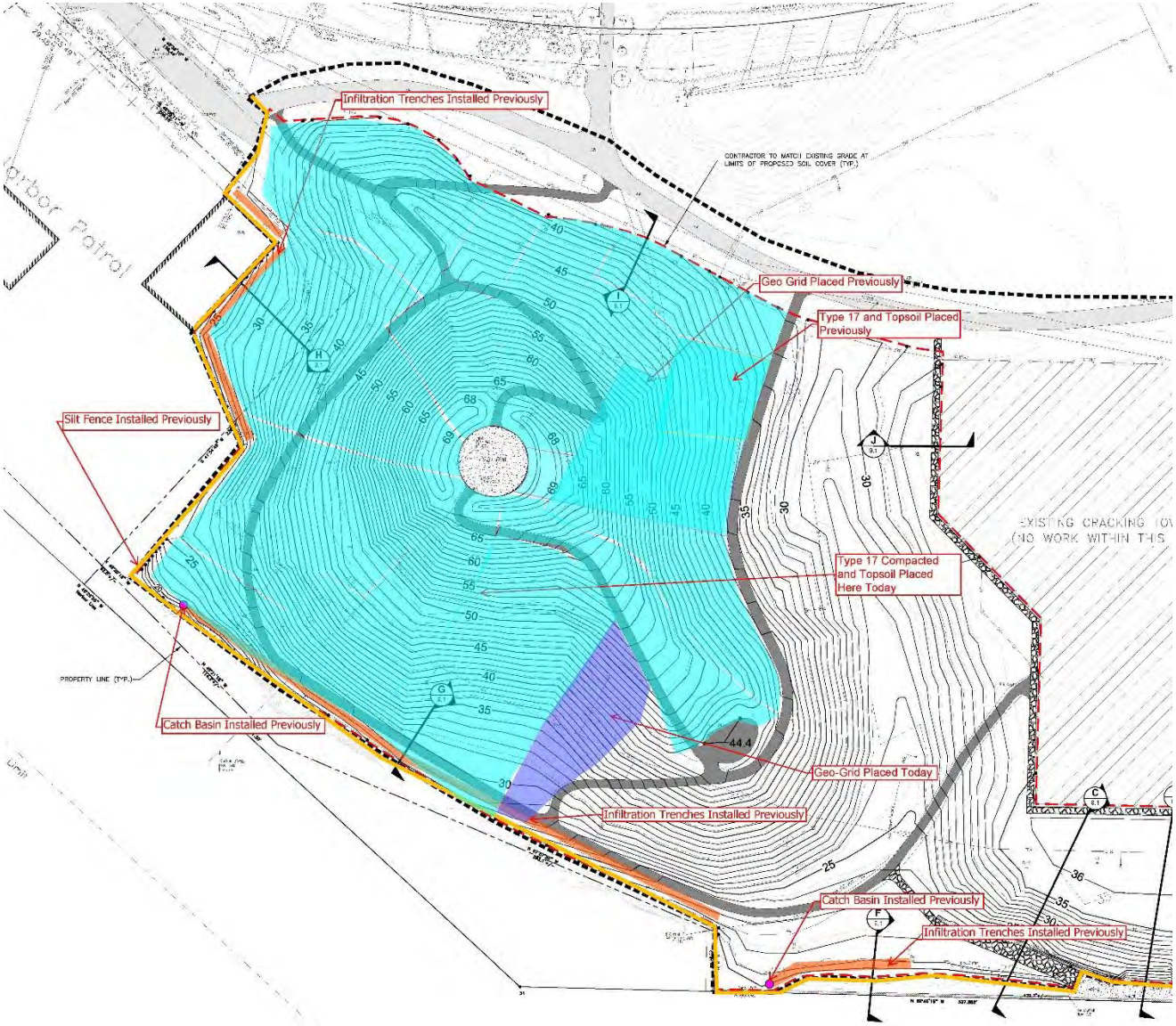
At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/9/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-29
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1630	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~66° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the southeast quadrant of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor preparing the subgrades for the paved pedestrian paths on the south side of Kite Hill. The contractor placed approximately 6-inches of Type 17 at the path alignment and compacted it with an Ingersoll Rand steel drum vibratory roller. After the Type 17 was compacted, we observed the contractor begin placing 5/8-inch minus crushed rock base course over it.

The contractor was also importing City of Seattle Type 17 (Glacier), crushed rock, and topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 10/10/14

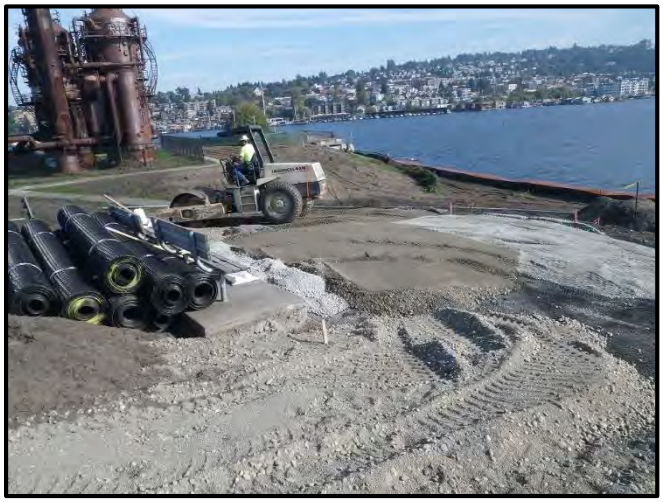
Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade on the south side of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The Type 17 was compacted utilizing an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.



We observed the contractor perform finish grading of the 12-inch lift of topsoil on the uppermost south side of Kite Hill in preparation for hydroseeding next week (see attached site plan). The topsoil was being fine graded with a Deere 135 D track mounted excaavator.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

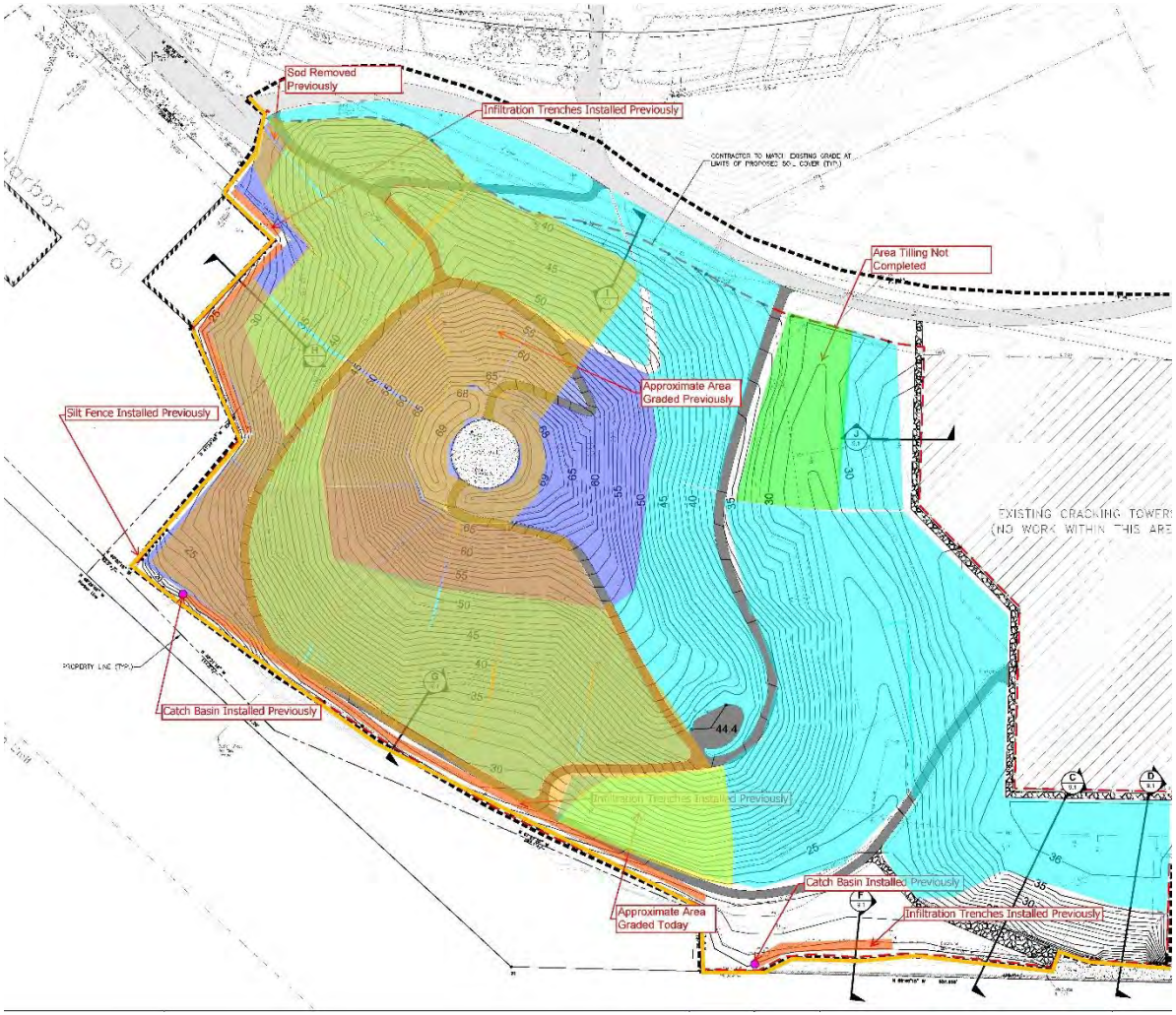
We observed the contractor continue installing the new irrigation system on the south side of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/10/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-30
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1800	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~66° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

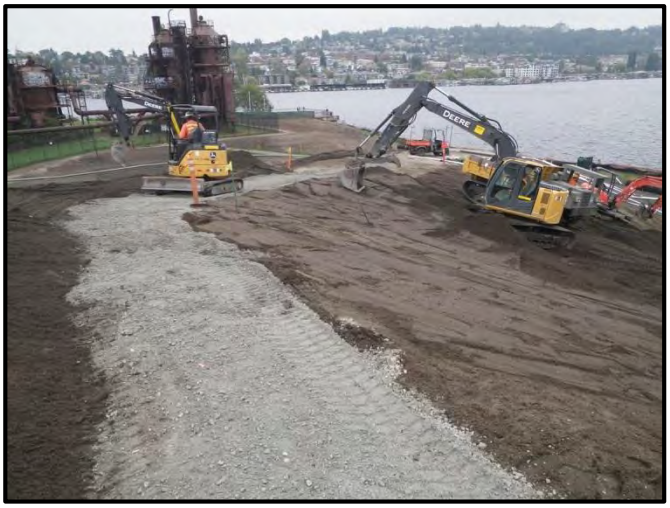
Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the southeast quadrant of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).



We also observed the contractor preparing the subgrades for the paved pedestrian paths on the south side of Kite Hill. The contractor placed approximately 6-inches of Type 17 at the path alignment and compacted it with an Ingersoll Rand steel drum vibratory roller. After the Type 17 was compacted, we observed the contractor begin placing 5/8-inch minus crushed rock base course over it.

The contractor was also importing City of Seattle Type 17 (Glacier), crushed rock, and topsoil (Pacific Topsoil) and stockpiling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed previously (see attached site plan). The Type 17 was compacted utilizing an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 10/29/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

We observed the contractor perform finish grading of the 12-inch lift of topsoil on the south side of Kite Hill in preparation for hydroseeding next week (see attached site plan). The topsoil was being fine graded with a Deere 135 D track mounted excavator, and raked by hand.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

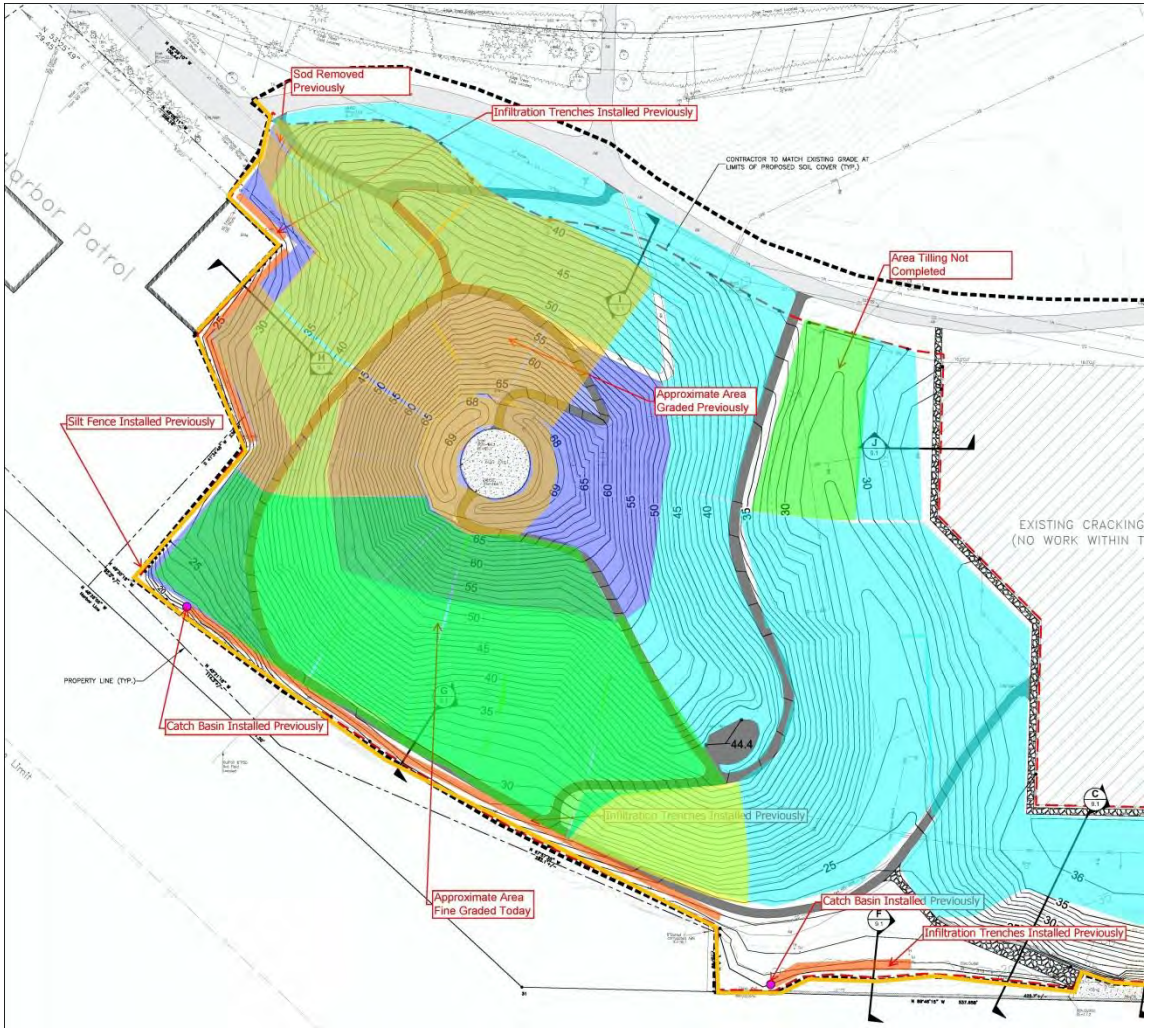
We observed the contractor continue installing the new irrigation system on the south side of Kite Hill.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

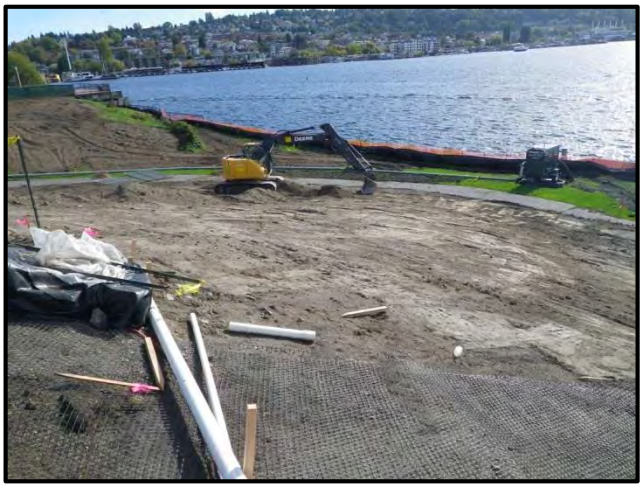
Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/13/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-31
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~70° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.



Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the southeast quadrant of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor excavating to the subgrade elevation in the location of the gravel path on the south and east sides of the Cracking Tower fence line (see attached site plan).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the southeast quadrant of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	10/13/14
	REVIEWED BY	**DATE**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	Bo McFadden, PE	10/29/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We observed the contractor perform finish grading of the 12-inch lift of topsoil in the southeast quadrant of Kite Hill near the benches in preparation for hydroseeding today (see attached site plan). The topsoil was being fine graded with a Deere 135 D track mounted excavator, and raked by hand.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system on the south side of Kite Hill.

Hydroseeding

We observed Country Green Hydroseeding was on site today, and hydroseeded all of the south side and the remainder of the east and west sides of Kite Hill.

Monitoring Wells

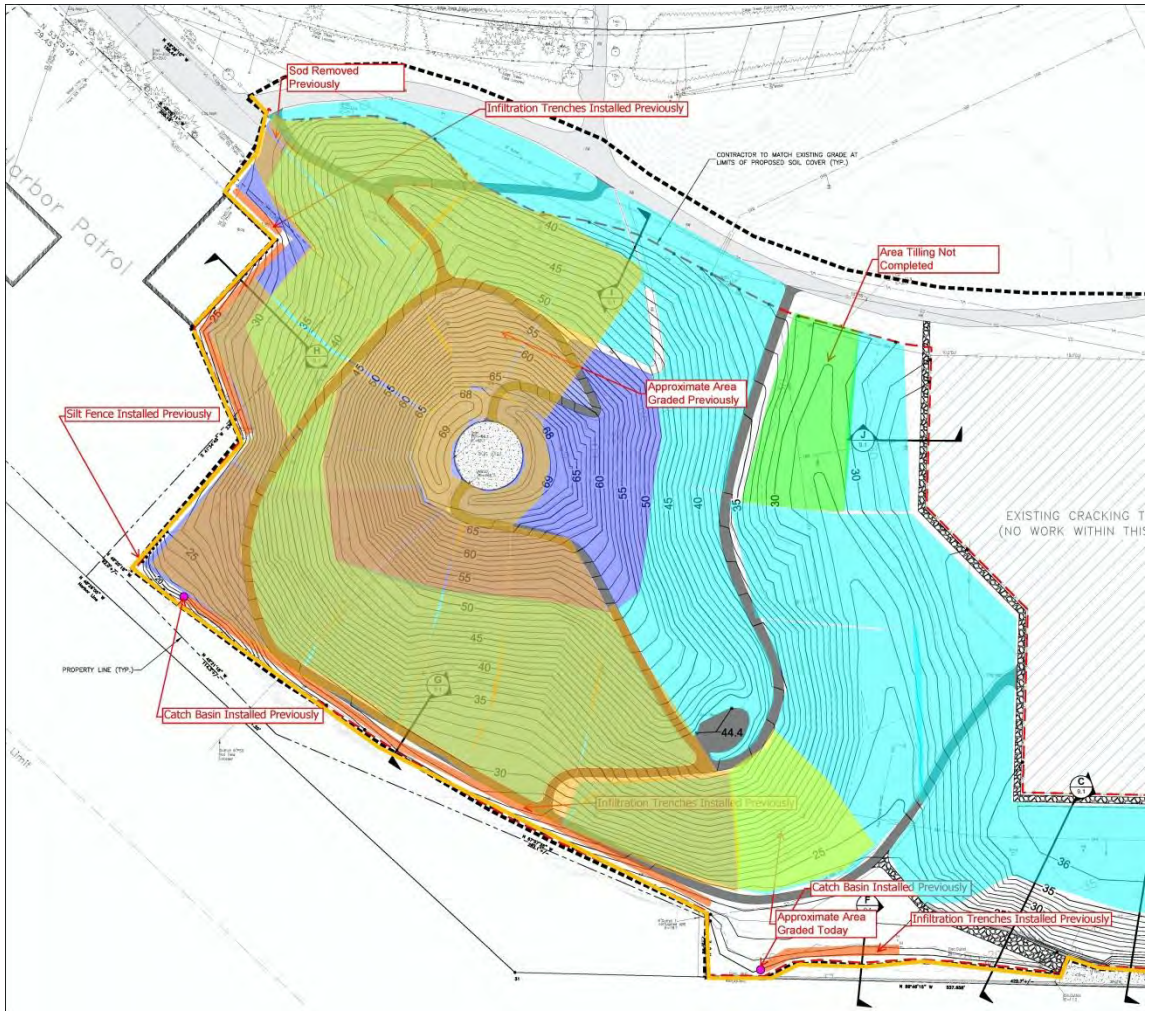
We observed Cascade Drilling was on site today to decommission one monitor well, and to adjust the monument elevations to finish grade of several monitoring wells throughout the site.

Temporary Erosion Control

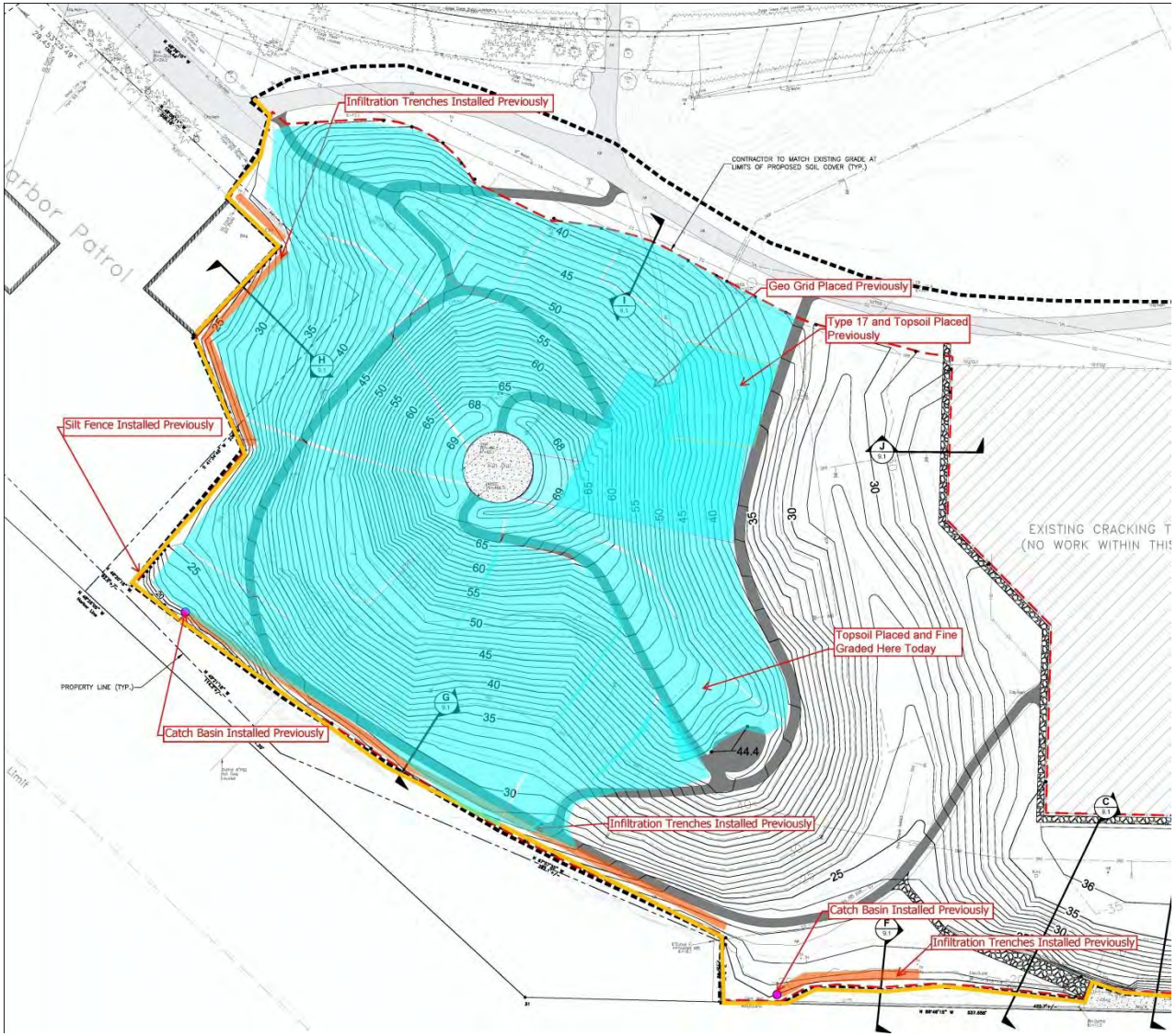
At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/14/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-32
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, ~62° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the southeast quadrant of Kite Hill and in the south end of the swale area east of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor stripping the vegetation from the steep slope north of the existing block wall just south of the Cracking Towers (see attached site plan and photo below).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the southeast quadrant of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan).

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE** Steven L. Godes	**DATE** 10/14/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 10/29/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability
Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation
We observed the contractor continue installing the new irrigation system in the southeast quadrant of Kite Hill and in the area east of Kite Hill just south of the Cracking Towers.

Monitoring Wells
We observed Cascade Drilling was on site today to adjust the monitoring well monument elevations to finish grade at several monitoring wells throughout the site.

Temporary Erosion Control
At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

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600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/15/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-33
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Rain ~58° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the swale area east of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor stripping the vegetation from the steep slope north of the existing block wall just south of the Cracking Towers (see attached site plan).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the swale area east of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed previously in the southeast quadrant of Kite Hill (see attached site plan).

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE** Steven L. Godes	**DATE** 10/15/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 10/29/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the southeast quadrant of Kite Hill and in the area east of Kite Hill just south of the Cracking Towers.

Monitoring Wells

We observed Cascade Drilling was on site today to adjust the monitoring well monument elevations to finish grade at several monitoring wells throughout the site (see typical installation in photo to right).

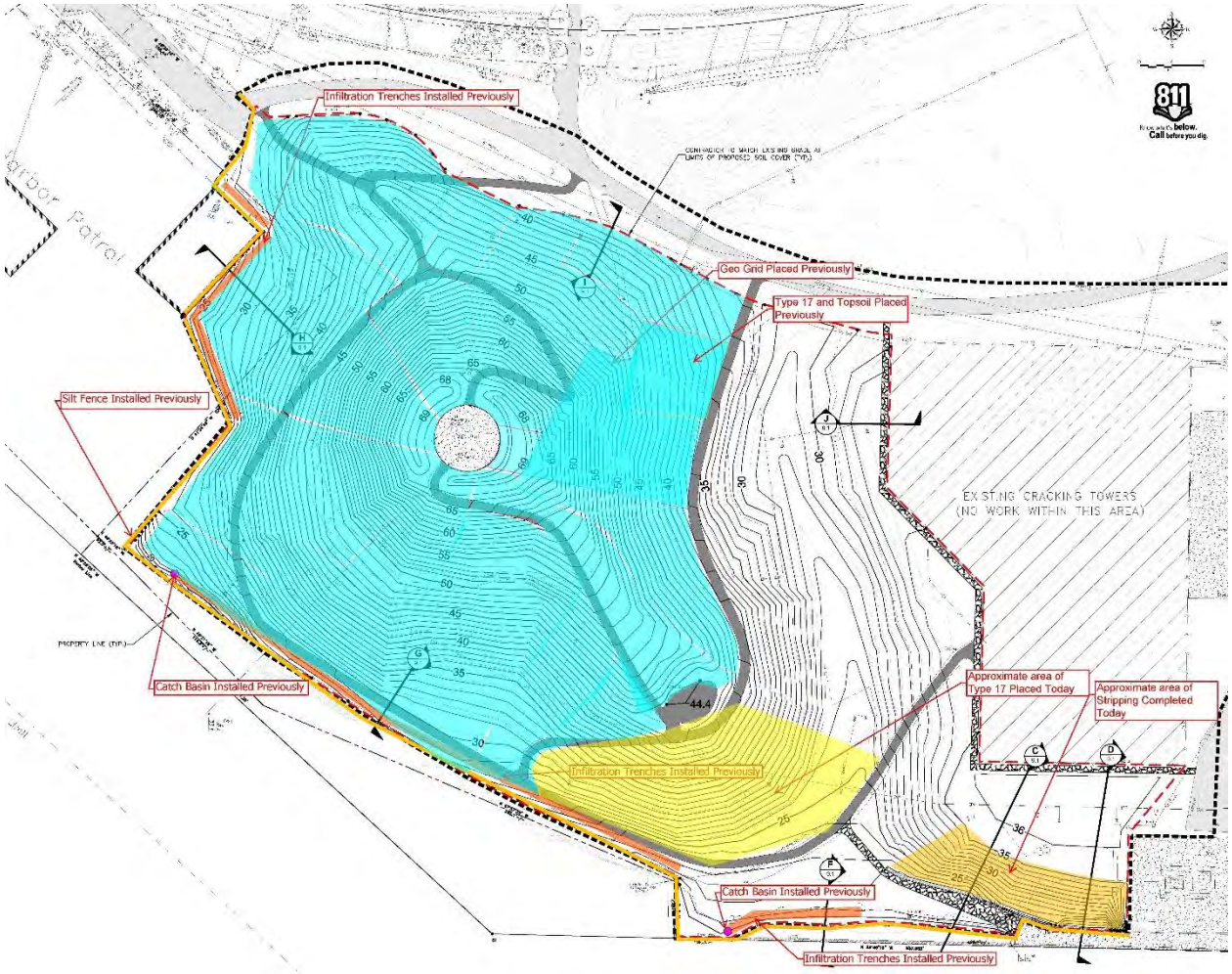
Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement



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600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/16/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-34
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Sunny, ~70° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the area south of the Cracking Towers utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

The contractor was also importing City of Seattle Type 17 (Glacier) and stockpiling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the area south of the Cracking Towers (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

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	Steven L. Godes	**10/16/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE	**10/29/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed previously in the southeast quadrant and in the swale east of Kite Hill (see attached site plan). After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill just south of the Cracking Towers.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

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Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/17/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-35
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~58° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the swale area east of the Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor removing the paved path between the Cracking Tower and Kite Hill, and stockpile the debris in the northeast quadrant of the site for removal later.

The contractor was also importing City of Seattle Type 17 (Glacier) and topsoil (Pacific Topsoils), and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the swale area east of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

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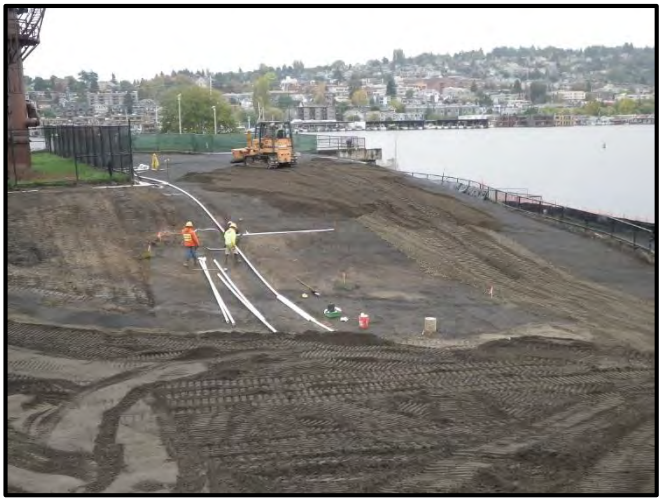
	Steven L. Godes	**10/17/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE	**10/29/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed previously in the swale east of Kite Hill (see attached site plan). After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.



Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill just south of the Cracking Towers.

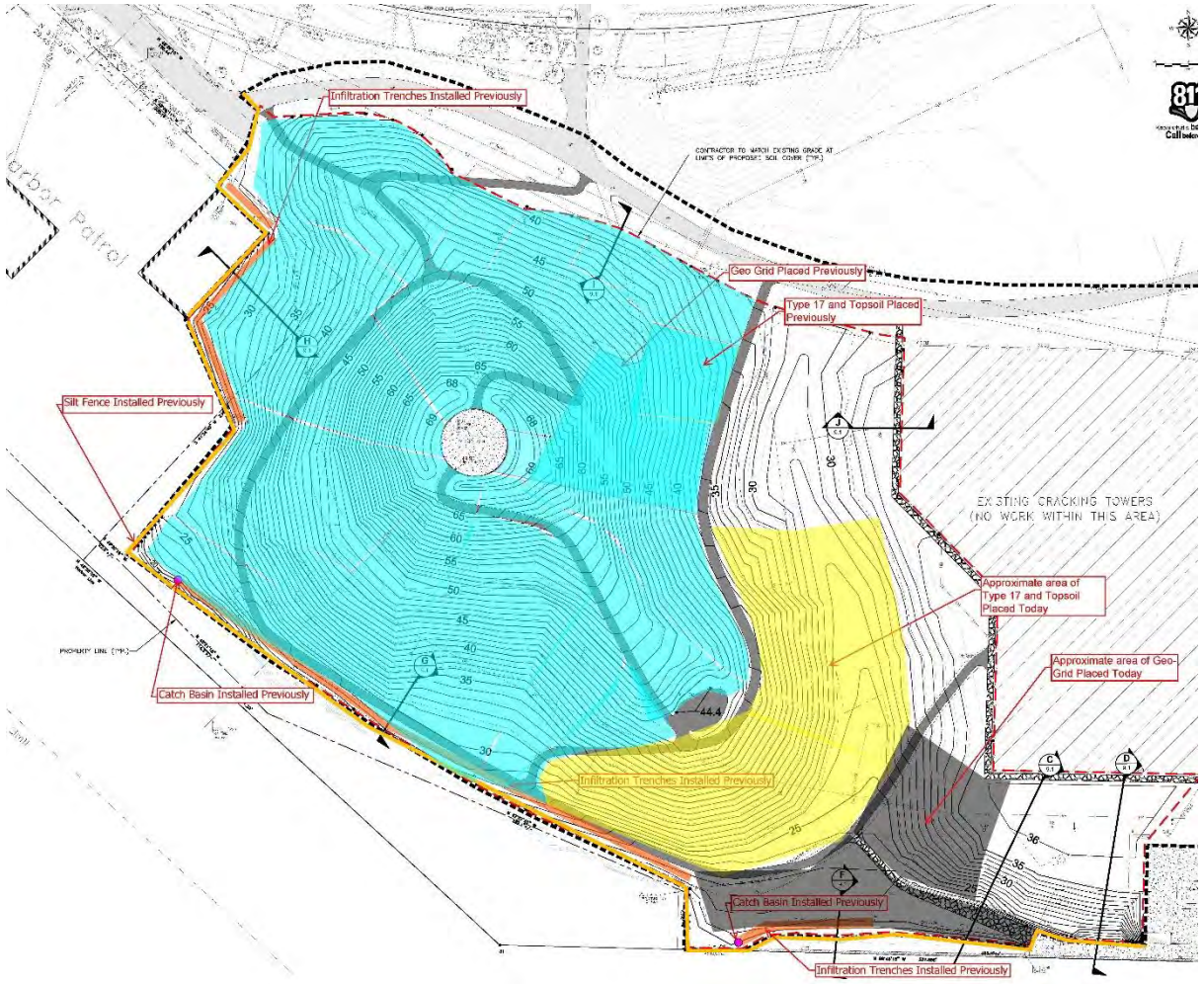
Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/20/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-36
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~65° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Most of the fine grading for the project is completed with the exception of the stockpile area in the northeast quadrant of the site. Grading in this area will be completed once the stockpiles are no longer in the way.

We observed the contractor fine grading the path subgrade from the top of Kite Hill down the southeast quadrant to the bench area. The contractor was spreading 1 ¼-inch minus crushed rock base material in thin lifts and compacting it with a vibratory plate compactor.

The contractor was also importing topsoil (Pacific Topsoil), and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 12-inch lift of topsoil over the geo-grid south of the cracking towers (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE** Steven L. Godes	**DATE** 10/20/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 10/29/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill in the swale area.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

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600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/21/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-37
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~65° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor fine grading the path subgrade on the south side of Kite Hill near the lake shore. The contractor was spreading 1 ¼-inch minus crushed rock base material in thin lifts and compacting it with a vibratory plate compactor.

The contractor was also importing topsoil (Pacific Topsoil), and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 12-inch lift of topsoil over the previously placed and compacted City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) material in the southeast quadrant and in the swale area east of Kite Hill (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE** Steven L. Godes	**DATE** 10/21/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 10/29/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill in the swale area.

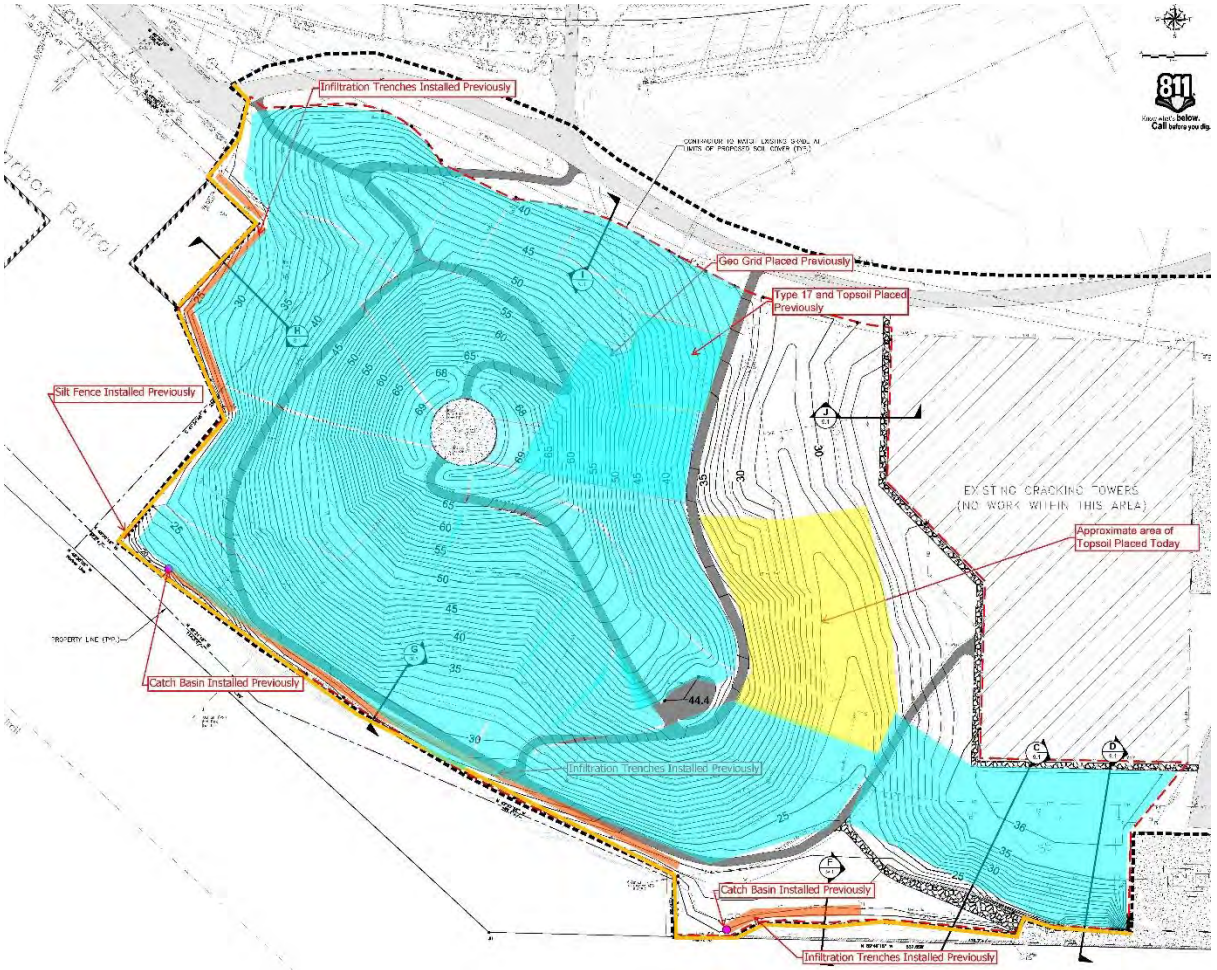
Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/22/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-38
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1100	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~55° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor attempted to work on path subgrades, but it was very wet and they quit work at approximately 1030 today.

Geo-Grid and Soil Cap Placement

We observed the contractor attempt to place Type 17, however it was very wet and they quit work early.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor attempt to work on the irrigation system, however it was very wet and they quit work early.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	10/22/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE	10/29/14

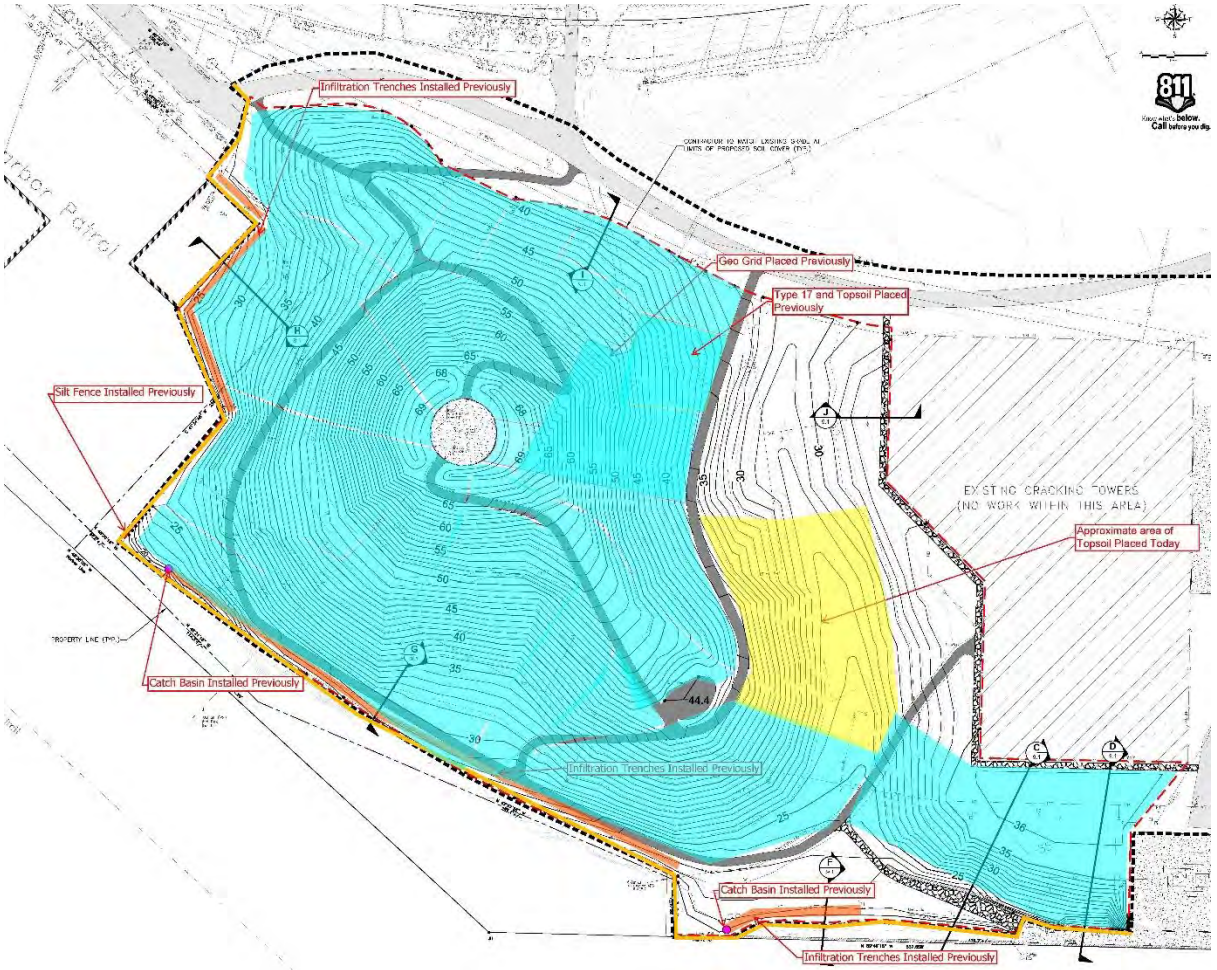
Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/23/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-39
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~58° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

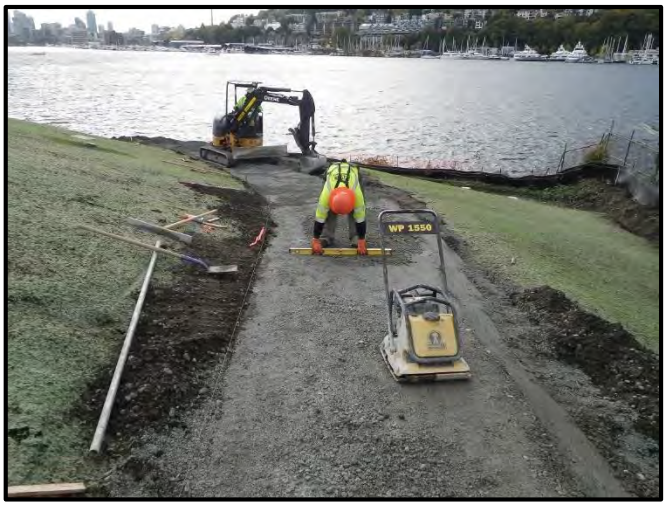
Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor fine grading the path subgrade in the southwest quadrant of Kite Hill. The contractor was spreading 1 ¼-inch minus crushed rock base material in thin lifts and compacting it with a vibratory plate compactor.



The contractor was also importing Type 17 (Glacier), and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) material in the southeast quadrant and in the swale area east of Kite Hill (see attached site plan). The material was being dozed into place with a Case 650HLT dozer, and was compacted with an Ingersoll Rand steel drum vibratory roller.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

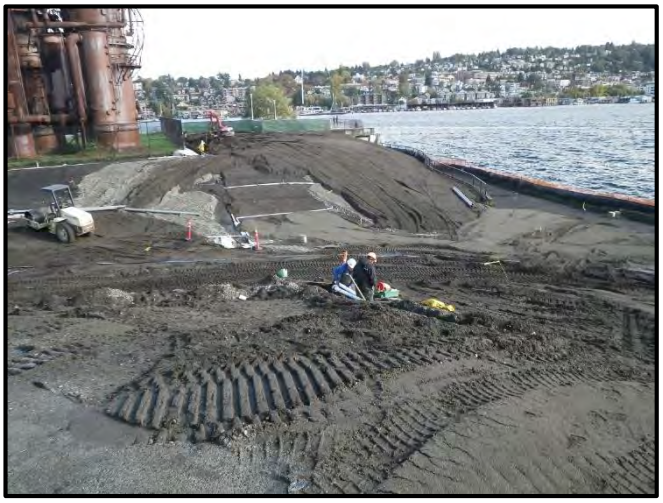
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE**	**DATE**
	Steven L. Godes	10/23/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE	10/29/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.



Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill in the swale area.

Temporary Erosion Control

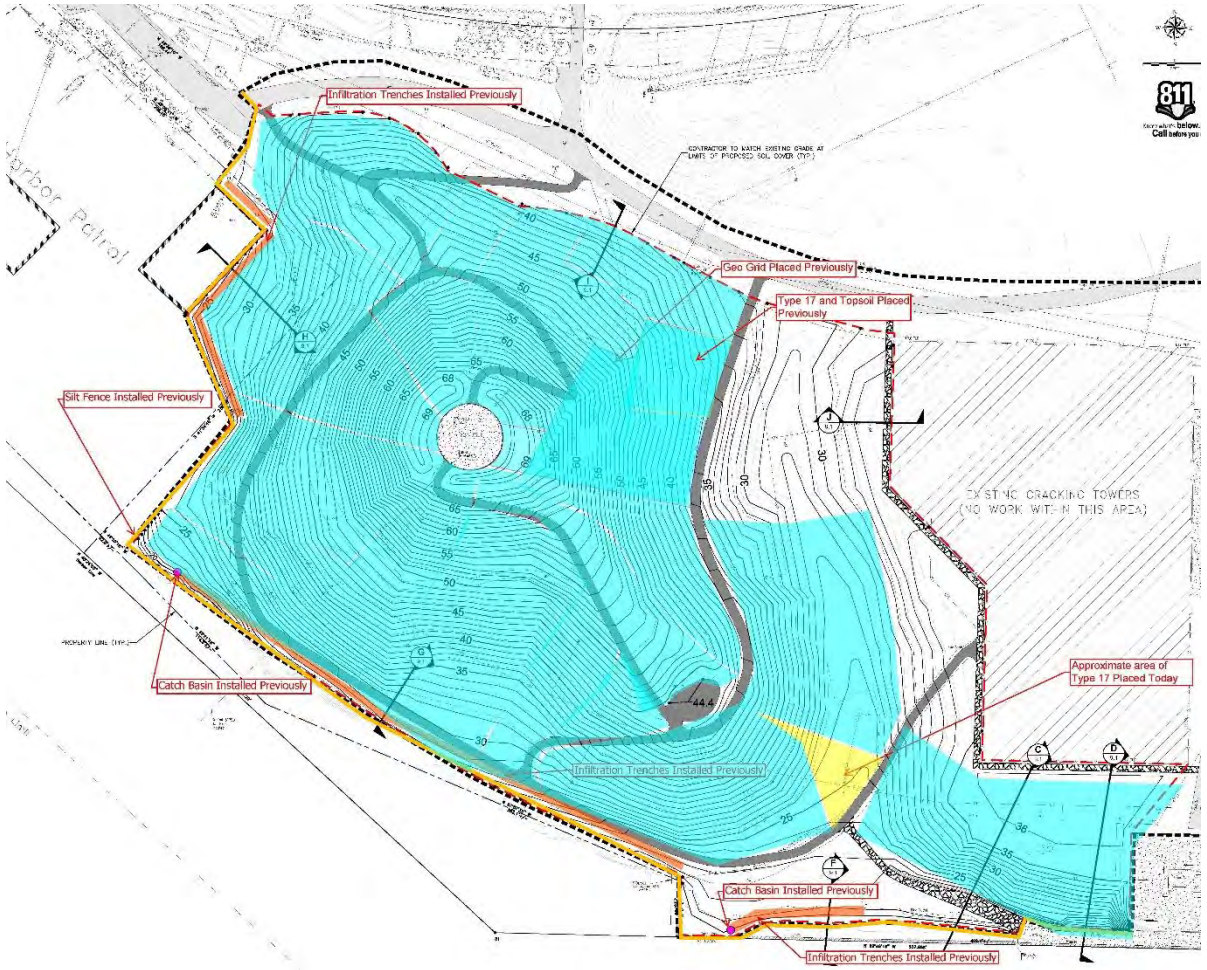
At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

We also observed the contractor pumping stormwater runoff from yesterday's storm out of the swale area and into the Baker Tanks utilizing a 2-inch portable pump. The volume pumped appeared to be in the range of 25,000 to 30,000 gallons.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/24/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-40
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Overcast, Sunbreaks, ~60° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

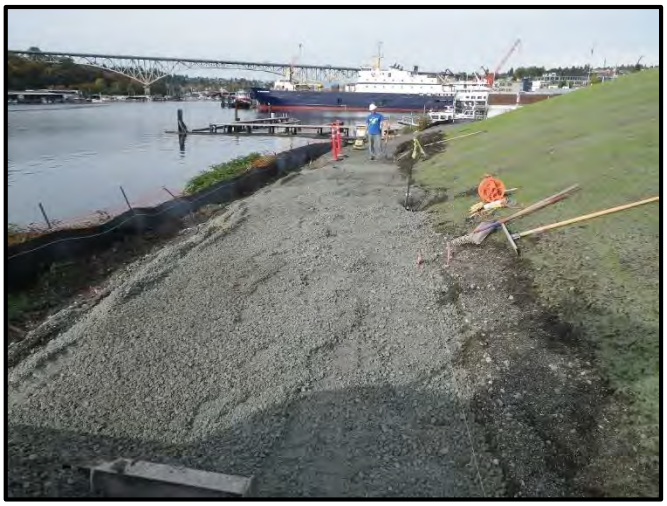
Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor fine grading the path subgrade on the south side of Kite Hill as well as south of the Cracking Tower. The contractor was spreading 1 ¼-inch minus crushed rock base material in thin lifts and compacting it with a vibratory plate compactor.



The contractor was also importing Type 17 (Glacier), and topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) material in the swale area east of Kite Hill (see attached site plan). The material was being dozed into place with a Case 650HLT dozer, and was compacted with an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	10/24/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE	10/29/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill in the swale area.

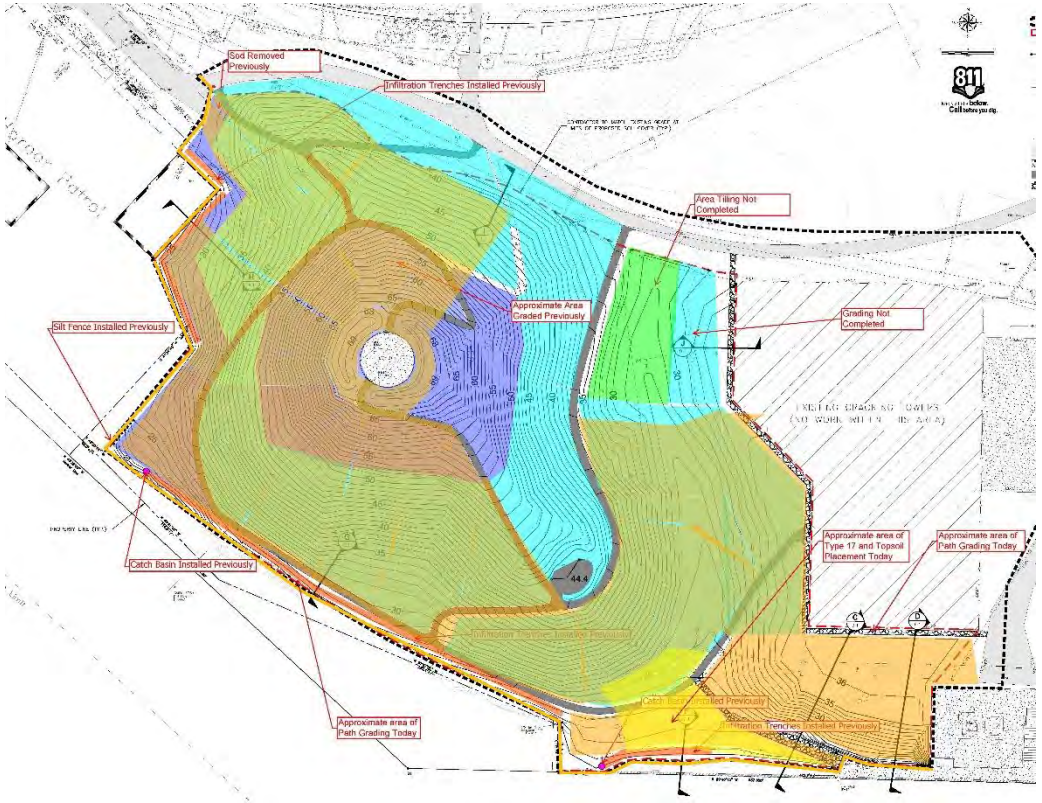
Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

We also observed the contractor pumping stormwater runoff from yesterday's storm out of the swale area and into the Baker Tanks utilizing a 2-inch portable pump.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/27/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-41
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1545	Page: 1 of 4
Purpose of visit: Construction Observations	Weather: Mostly Sunny, ~60° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor fine grading the path subgrade on the south and west sides of the Cracking Tower. The contractor was spreading 1 ¼-inch minus and/or 5/8-inch minus crushed rock base material in thin lifts and compacting it with a vibratory plate compactor and/or a Wacker RD12 dual drum articulated mini compactor.

The contractor was also importing Type 17 (Glacier) and stockpiling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade on the west side of the swale area west of the Cracking Towers (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

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	Steven L. Godes	**10/27/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE	**10/29/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) material in the swale area east of Kite Hill (see attached site plan). The material was being dozed into place with a Case 650HLT dozer, and was compacted with an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill in the swale area.

Temporary Erosion Control

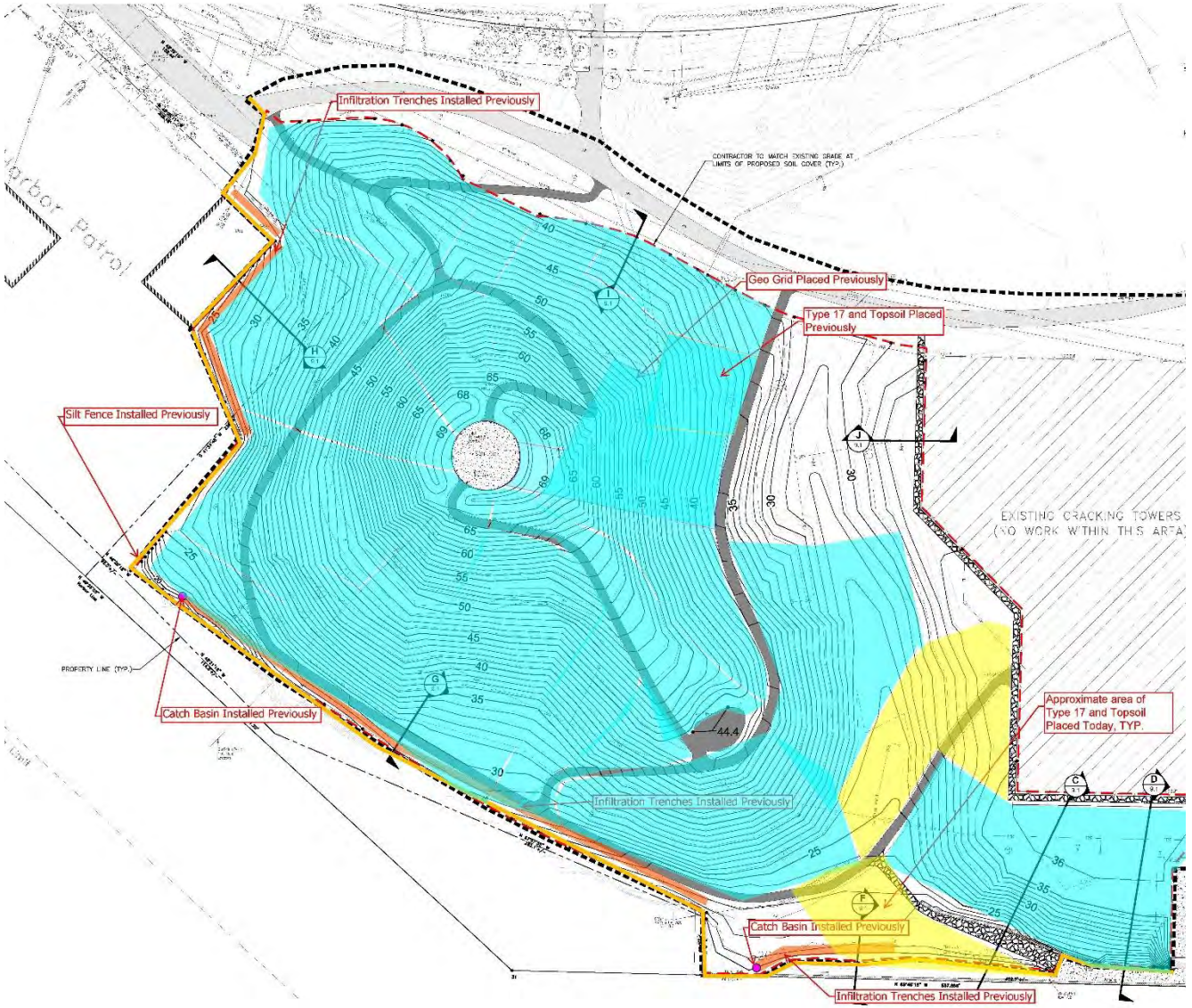
At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

We also observed the contractor pumping stormwater runoff from yesterday's storm out of the swale area and into the Baker Tanks utilizing a 2-inch portable pump.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan of Earthwork

Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/28/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-42
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1430	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~56° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

The contractor did not perform excavation or grading activities today as it was too wet from heavy rain.

The contractor was also importing Type 17 (Glacier) and stockpiling it in the northeast quadrant of the site.

Geo-Grid and Soil Cap Placement

The contractor did not install geo-grid or soil cap materials as it was too wet from heavy rain.

The contractor focused their efforts on installing approximately 10,000 sq. ft. of sod lawn on the south side of the Cracking Towers.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

The contractor did not install irrigation today as it was too wet from heavy rain.

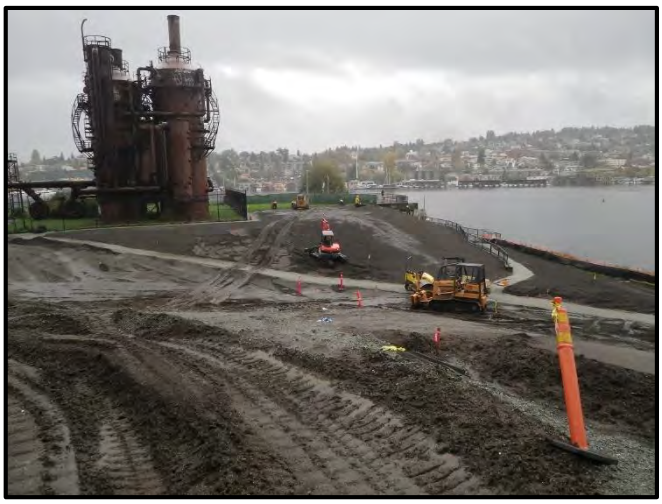
	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	10/28/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	11/7/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

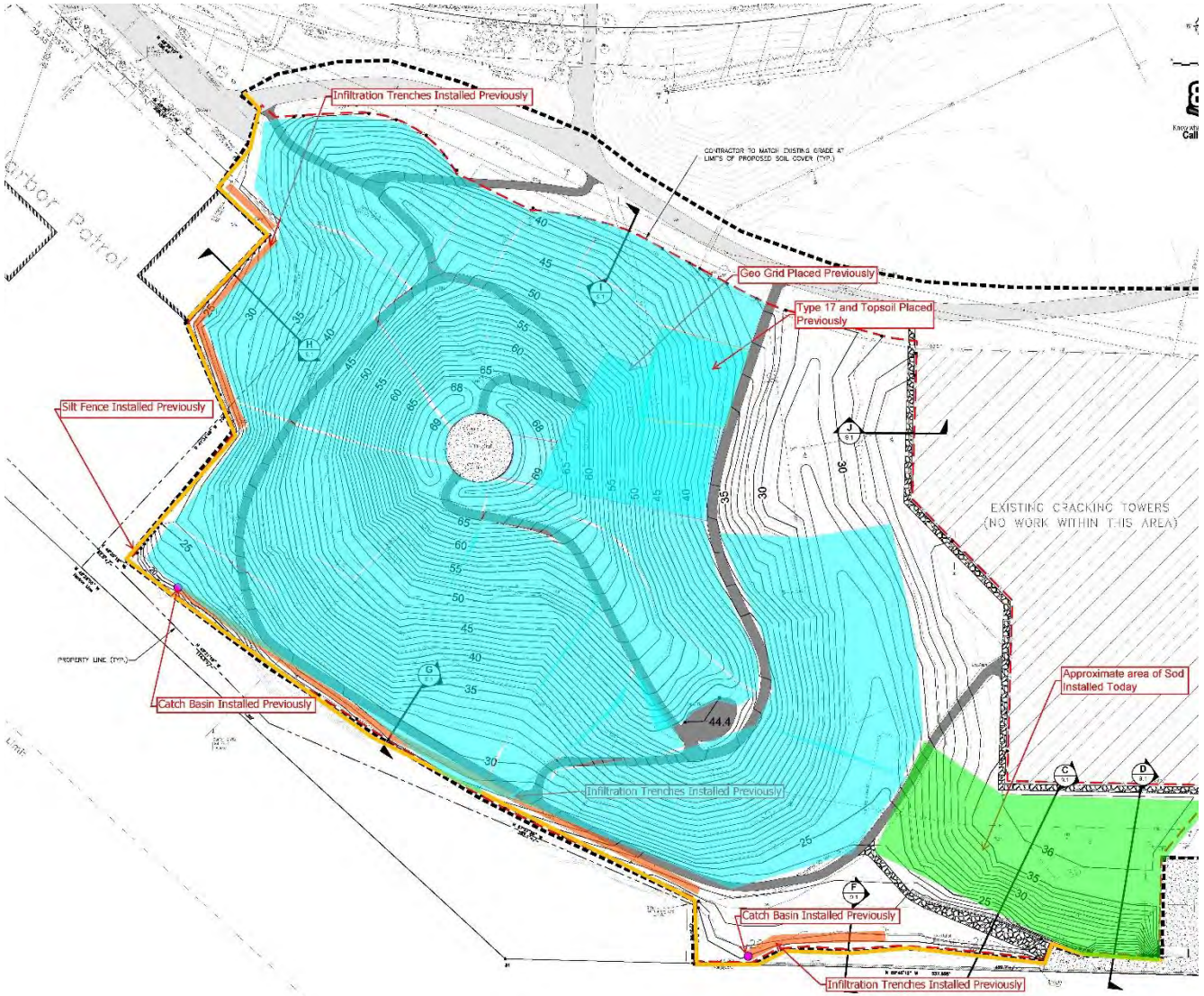
Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.



Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Infiltration Trenches Installed Previously
CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)
Geo Grid Placed Previously
Type 17 and Topsoil Placed Previously
Silt Fence Installed Previously
EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)
PROPERTY LINE (TYP.)
Catch Basin Installed Previously
Approximate area of Sod Installed Today
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/29/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-43
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~62° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor fine grading the path subgrade on the west side of the Cracking Tower. The contractor was spreading 1¼-inch minus crushed rock base material in thin lifts and compacting it with a vibratory plate compactor and/or a Wacker RD12 dual drum articulated mini compactor.

The contractor was also importing topsoil (Pacific Topsoil) and stockpliling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the swale area west of the Cracking Towers (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) material in the swale area east of Kite Hill (see attached site plan). The material was being dozed into place with a Case 650HLT dozer, and was compacted with an Ingersoll Rand steel drum vibratory

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE** Steven L. Godes	**DATE** 10/29/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 11/7/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill in the swale area.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

We also observed the contractor pumping stormwater runoff from yesterday's storm out of the swale area and into the Baker Tanks utilizing a 2-inch portable pump.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Infiltration Trenches Installed Previously
CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)
Geo Grid Placed Previously
Type 17 and Topsoil Placed Previously
Silt Fence Installed Previously
EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
Approximate Area of Type 17 and Topsoil Placed Today
Approximate Area of Sod Installed Yesterday
PROPERTY LINE (TYP.)
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Area of Path Subgrade Preparation Worked on Today
Infiltration Trenches Installed Previously

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/30/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-44
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~58° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the swale area east of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

The contractor was also importing Type 17 (Glacier) and stockpiling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the swale area west of the Cracking Towers (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	10/30/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE , LEG	11/7/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) material in the swale area east of Kite Hill (see attached site plan). The material was being dozed into place with a Case 650HLT dozer, and was compacted with an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

We also observed the contractor installing approximately 10,000 sq. ft. of sod lawn in the area south of the Cracking Towers.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill in the swale area.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

We also observed the contractor pumping stormwater runoff out of the swale area and into the Baker Tanks utilizing a 2-inch portable pump.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Infiltration Trenches Installed Previously
Geo Grid Placed Previously
Type 17 and Topsoil Placed Previously
Silt Fence Installed Previously
Approximate Area of Type 17 and Topsoil Placed Today
Approximate Area of Sod Installed Today, Typ.
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 10/31/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-45
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1030	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Heavy Rain, ~54° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

The contractor did not perform excavation or grading activities today as it was too wet from heavy rain.

The contractor was also importing Type 17 (Glacier) and stockpiling it in the northeast quadrant of the site.

Geo-Grid and Soil Cap Placement

The contractor did not install geo-grid or soil cap materials as it was too wet from heavy rain.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

The contractor did not install irrigation today as it was too wet from heavy rain.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	10/31/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	11/7/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Infiltration Trenches Installed Previously
Geo Grid Placed Previously
Type 17 and Topsoil Placed Previously
Silt Fence Installed Previously
Approximate Area of Type 17 and Topsoil Placed Yesterday
Approximate Area of Sod Installed Yesterday, Typ.
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/3/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-46
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~56° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the swale area east of the Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor fine grading the path subgrade on the west side of the Cracking Tower and south west of the benches on the south side of Kite Hill (see attached site plan). The contractor was spreading 5/8-inch and/or 1 ¼-inch minus crushed rock base material in thin lifts and compacting it with a vibratory plate compactor and/or a Wacker RD12 dual drum articulated mini compactor.

The contractor was importing Type 17 (Glacier) and stockpiling it in the northeast quadrant of the site. The contractor was also exporting unsuitable soil from the north end of the swale, off the site (Rabanco).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE** Steven L. Godes	**DATE** 11/3/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 11/7/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the swale area west of the Cracking Towers (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We also observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) material in the swale area east of Kite Hill (see attached site plan). The material was being dozed into place with a Case 650HLT dozer, and was compacted with an Ingersoll Rand steel drum vibratory roller. After compacting, the contractor track compacted the Type 17 with a minimum of two passes with a Case 650HLT dozer. After the Type 17 was compacted, the contractor began placing an approximately 12-inch lift of topsoil over it (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill in the swale area.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

We also observed the contractor pumping stormwater runoff out of the swale area and into the Baker Tanks utilizing a 2-inch portable pump.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Infiltration Trenches Installed Previously
Geo Grid Placed Previously
Type 17 and Topsoil Placed Previously
Silt Fence Installed Previously
Approximate Area of Path Completed Today, Typ.
Approximate Area of Type 17 and Topsoil Placed Today
EXISTING
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/43/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-47
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~58° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts) in the path alignment east of the Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor fine grading the path subgrade south west of the benches and on the south side of Kite Hill (see attached site plan). The contractor was spreading 5/8-inch and/or 1 ¼-inch minus crushed rock base material in thin lifts and compacting it with a vibratory plate compactor and/or a Wacker RD12 dual drum articulated mini compactor.

We also observed the contractor fine grading the topsoil in the southeast quadrant of Kite Hill and just west of the Cracking Towers with a Deere 135 D track mounted excavator. These areas were also hand raked smooth in preparation for the installation of sod tomorrow.

The contractor was importing Type 17 (Glacier) and stockpliling it in the northeast quadrant of the site. The contractor was also exporting unsuitable soil from the north end of the swale, off the site (Rabanco).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE**	**DATE**
	Steven L. Godes	**11/4/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE	**11/7/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the path alignment east of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 1- to 2-inches.

We also observed the contractor begin placing an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) material in the path alignment east of Kite Hill (see attached site plan). The material was being dozed into place with a Case 650HLT dozer, and was compacted with an Ingersoll Rand steel drum vibratory roller.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor continue installing the new irrigation system in the area east of Kite Hill in the swale area.

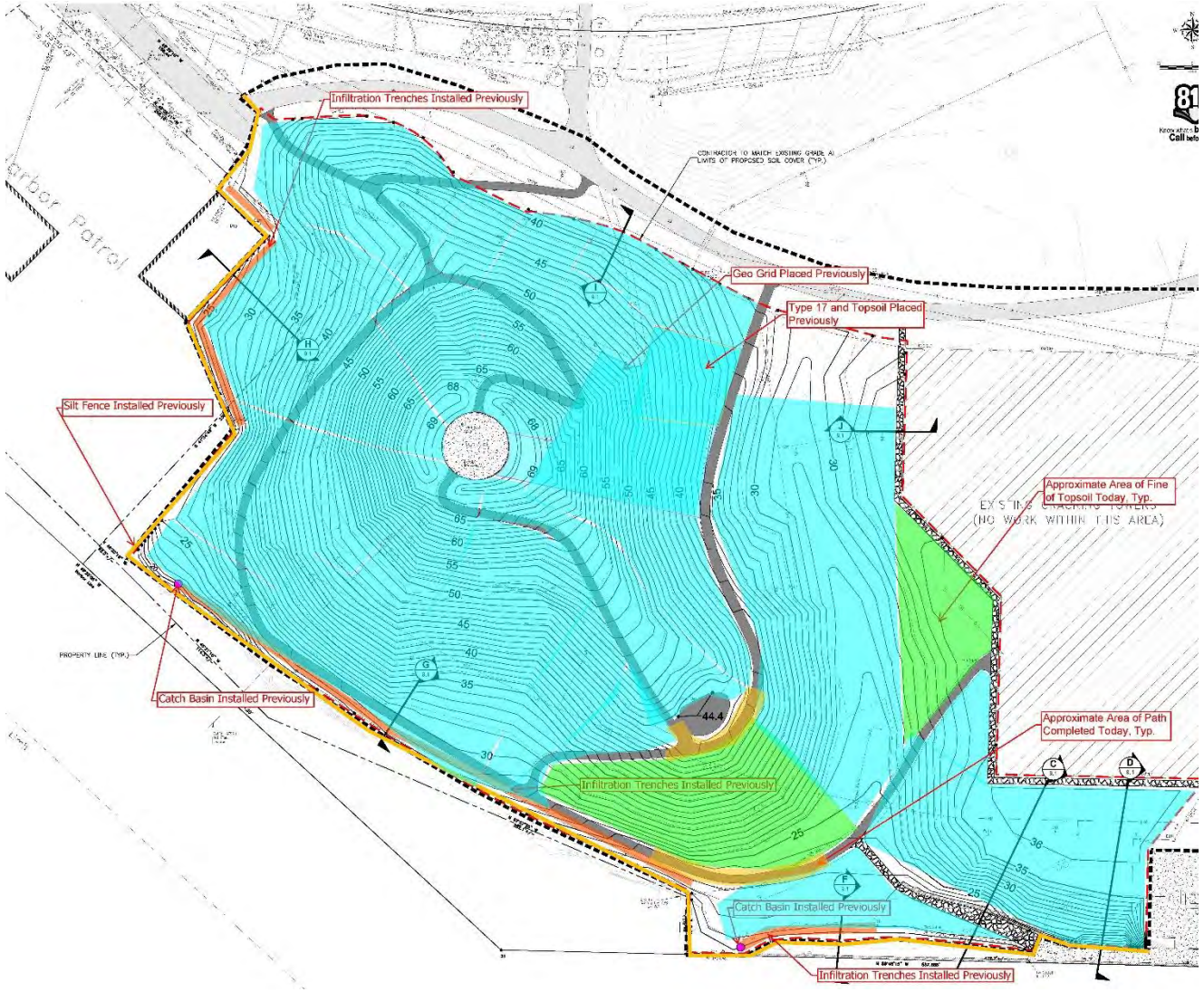
Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

We also observed the contractor pumping stormwater runoff out of the swale area and into the Baker Tanks utilizing a 2-inch portable pump.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Infiltration Trenches Installed Previously
Geo Grid Placed Previously
Type 17 and Topsoil Placed Previously
Silt Fence Installed Previously
Approximate Area of Fine of Topsoil Today, Typ.
Catch Basin Installed Previously
Approximate Area of Path Completed Today, Typ.
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
PROPERTY LINE (TYP.)
44.4

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/5/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-48
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~60° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor grading the path subgrade on the east side of Kite Hill (see attached site plan). The contractor placed an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B). The material was being dozed into place with a Case 650HLT dozer, and was compacted with an Ingersoll Rand steel drum vibratory roller. The contractor was spreading 5/8-inch and/or 1 ¼-inch minus crushed rock base material in thin lifts over the Type 17 and compacting it with a vibratory plate compactor and/or a Wacker RD12 dual drum articulated mini compactor.

The contractor was importing topsoil (Pacific Topsoil) and stockpiling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade in the path alignment east of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 1- to 2-inches.

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	Steven L. Godes	**11/5/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE	**11/7/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed the contractor placing an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) material in the path alignment east of Kite Hill (see attached site plan). The material was being dozed into place with a Case 650HLT dozer, and was compacted with an Ingersoll Rand steel drum vibratory roller.

We also observed the contractor install approximately 10,000 sq. ft. of sod lawn in the southeast quadrant of Kite Hill as well as in a smaller area just west of the Cracking Towers.

Based on our observation and evaluations, it is our opinion that the geo-grid and soil cap work performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

No irrigation work was performed today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

We also observed the contractor pumping stormwater runoff out of the swale area and into the Baker Tanks utilizing a 2-inch portable pump.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Infiltration Trenches Installed Previously
Geo Grid Placed Previously
Silt Fence Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Approximate Area of Path Grading Today, Typ.
Approximate Area of Sod installation Today, Typ.
EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)
PROPERTY LINE (TYP.)
Harbor Patrol

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/6/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-49
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Heavy Rain, ~58° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor grading the path subgrade on the east side and the lower north side of Kite Hill (see attached site plan). The contractor was spreading 5/8-inch and/or 1 ¼-inch minus crushed rock base material in thin lifts over the Type 17 and compacting it with a vibratory plate compactor and/or a Wacker RD12 dual drum articulated mini compactor.

The contractor was importing topsoil (Pacific Topsoil) and stockpiling it in the northeast quadrant of the site.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

No work related to the soil cap was performed today due to heavy rain.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE** Steven L. Godes	**DATE** 11/6/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 11/12/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Irrigation
No irrigation work was performed today.

Temporary Erosion Control
At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

We also observed the contractor pumping stormwater runoff from the swale area and into the Baker Tanks utilizing a 6-inch portable pump.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Infiltration Trenches Installed Previously
Approximate Areas of Path Grading Today, Typ.
Silt Fence Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
EXISTING
PROPERTY LINE (TYP.)

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/7/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-50
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Mostly Sunny, ~56° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor grading the path subgrade on the east side and the lower north side of Kite Hill (see attached site plan). The contractor was spreading 5/8-inch and/or 1¼-inch minus crushed rock base material in thin lifts over the Type 17 and compacting it with a vibratory plate compactor and/or a Wacker RD12 dual drum articulated mini compactor.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor finish grading the topsoil along the northwest side of the swale area east of Kite Hill (see attached site plan).

Path Paving

We observed that Northwest Paving was on site today to begin the path paving. Hot mix asphalt was being delivered from the solo delivery truck to the Ingersoll Rand 450P paving machine in two Wacker Neuson 3001s articulated buggies. The pavement was placed over the prepared subgrade in either 2- or 3-inch thicknesses, and either 5- or 6-feet wide depending on location. The asphalt was being compacted with both a vibratory plate compactor and an Ingersoll Rand DD-14 dual drum vibratory roller. Approximately half of the paving was completed today.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	11/7/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	11/12/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

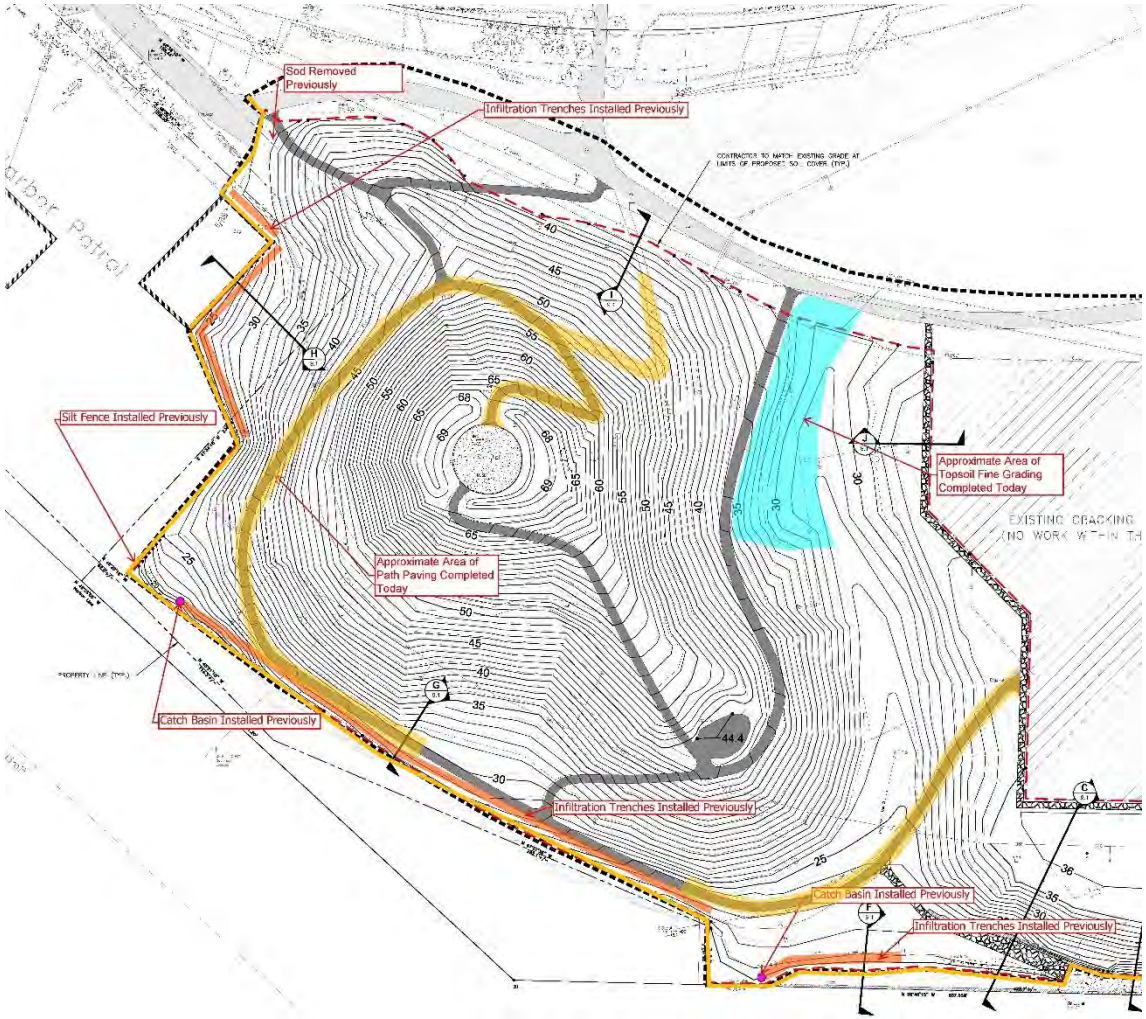
No irrigation work was performed today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10 - 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Silt Fence Installed Previously
Approximate Area of Topsoil Fine Grading Completed Today
Approximate Area of Path Paving Completed Today
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

GeoEngineers

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Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/8/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-51
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1600	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Mostly Sunny, ~58° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Steve with Northwest Paving. Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Wyser was not on site today.

Geo-Grid and Soil Cap Placement

Wyser was not on site today

Path Paving

We observed that Northwest Paving was on site today to finish the path paving started yesterday. Hot mix asphalt was being delivered from the solo delivery truck to the Ingersoll Rand 450P paving machine in two Wacker Neuson 3001s articulated buggies. The pavement was placed over the prepared subgrade in either 2- or 3-inch thicknesses, and either 5- or 6-feet wide depending on location. The asphalt was being compacted with both a vibratory plate compactor and an Ingersoll Rand DD-14 dual drum vibratory roller. The remainder of the paving was completed today.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

No irrigation work was performed today.

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE** Steven L. Godes	**DATE** 11/8/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Whitney L. Ciani, PE	**DATE** 09/22/14

Attachments: Site Plan

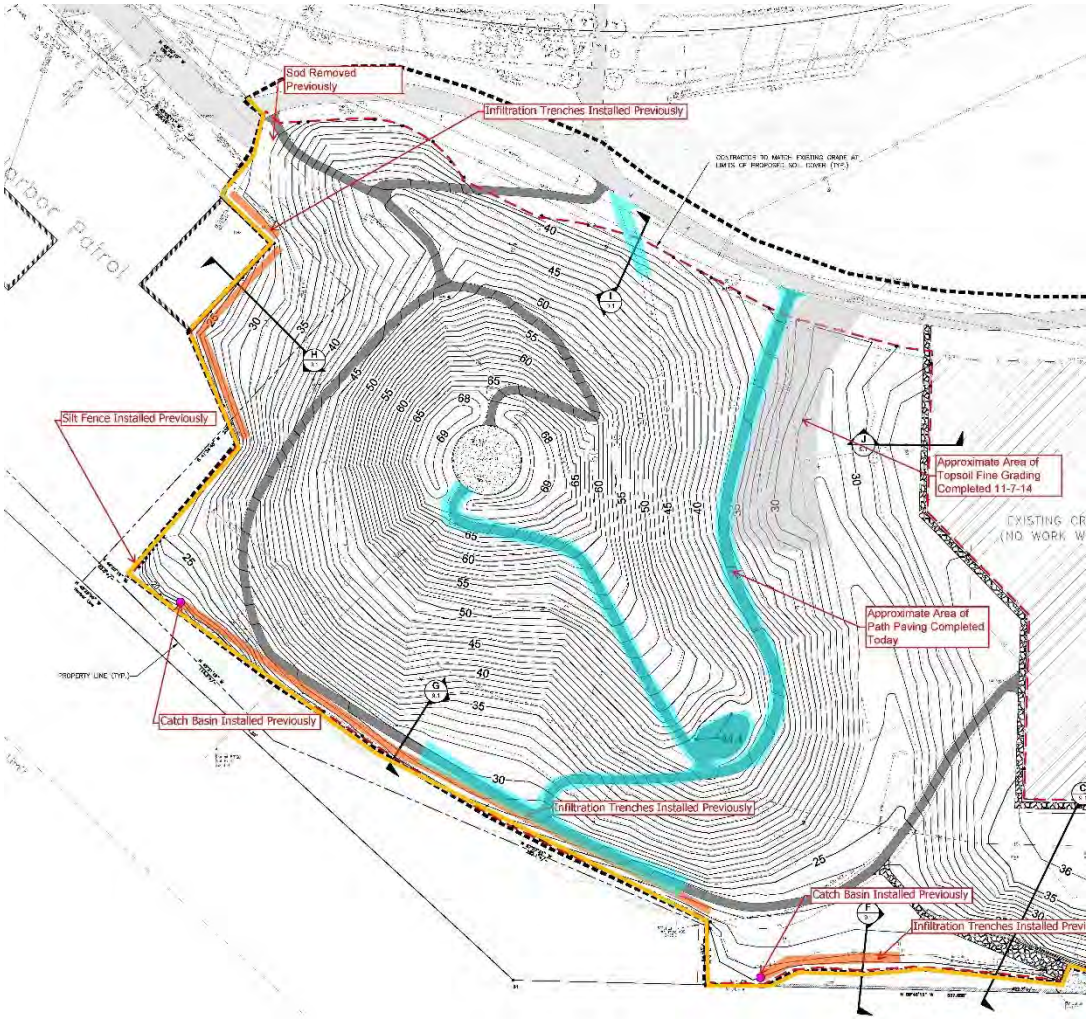
Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10 - 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Silt Fence Installed Previously
Approximate Area of Topsoil Fine Grading Completed 11-7-14
Approximate Area of Path Paving Completed Today
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previ

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/10/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-52
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, ~54° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Earthwork performed today was limited to excavating trenches for the irrigation system.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor finish grading the topsoil along in the southeast quadrant of Kite Hill and at the south end of the swale area east of Kite Hill (see attached site plan).

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor installing the irrigation system along the west side of the swale area today.

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 11/12/14

Attachments: Site Plan

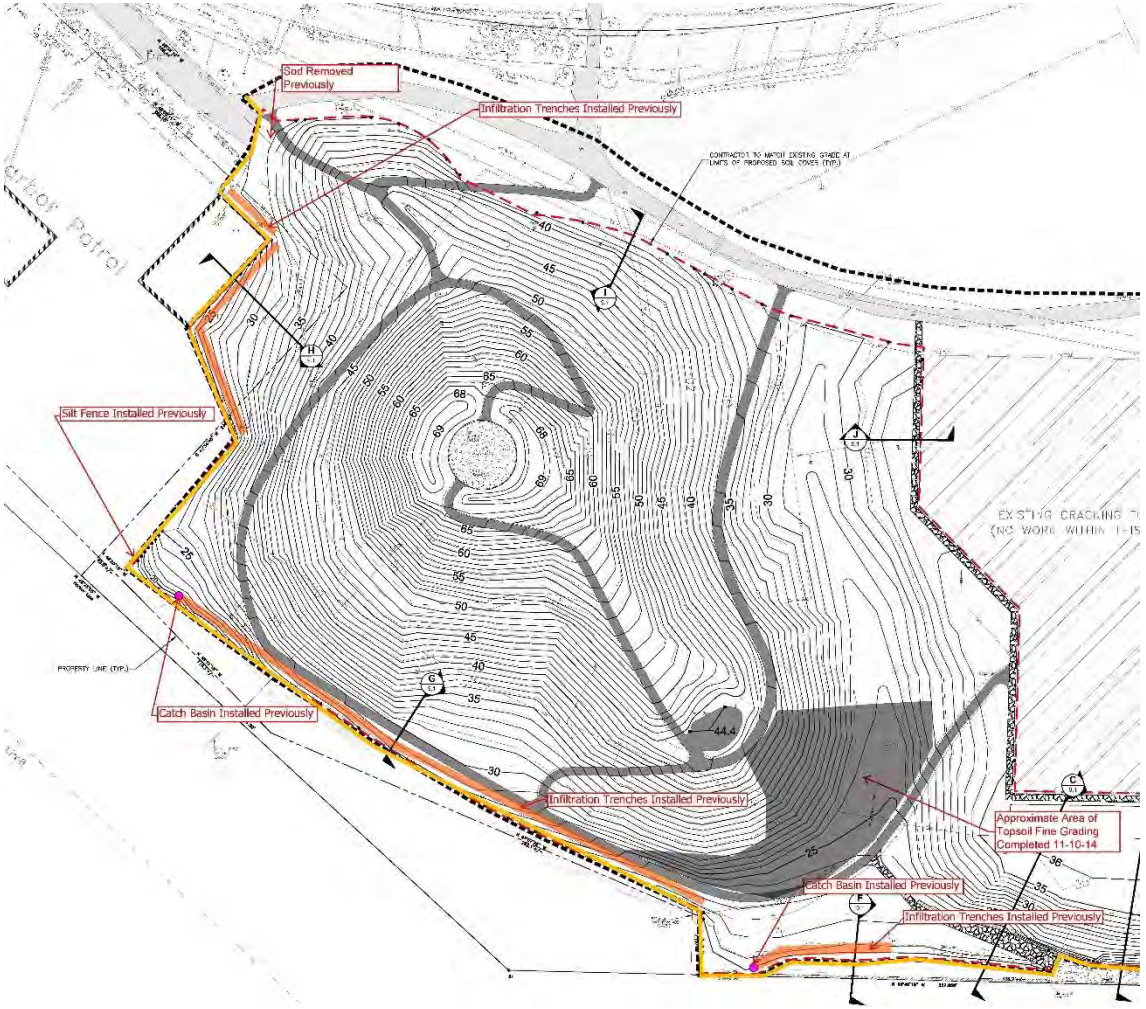
Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Silt Fence Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Approximate Area of Topsoil Fine Grading Completed 11-10-14
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
PROPERTY LINE (TYP.)

GeoEngineers

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Seattle, Washington 98101
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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/11/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-53
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, ~46° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Earthwork performed today was limited to excavating trenches for the irrigation system.

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor finish grading the topsoil in the swale area east of Kite Hill in preparation for installing sod tomorrow (see attached site plan).

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor installing the irrigation system along the west side of the swale area today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 11/12/14

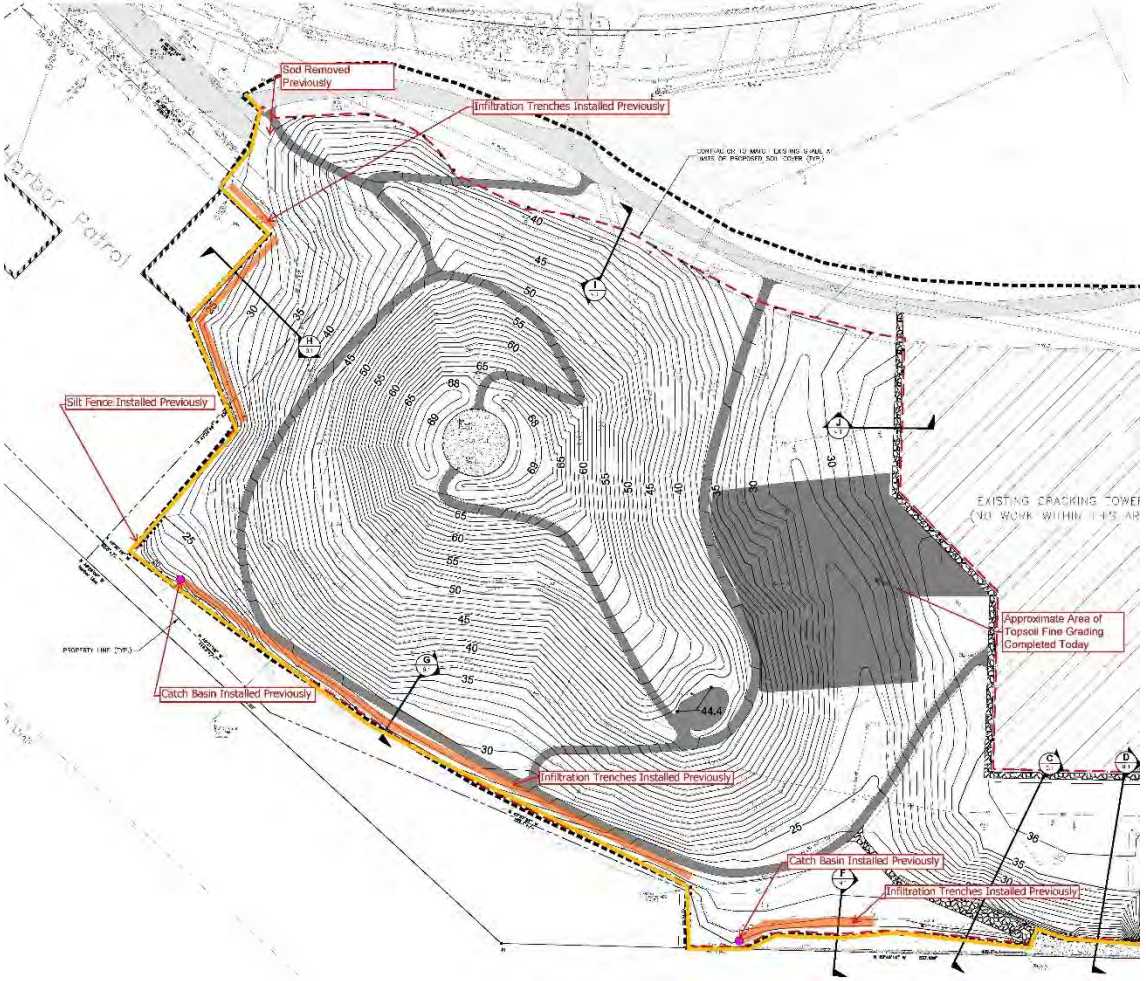
Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Silt Fence Installed Previously
Catch Basin Installed Previously
Approximate Area of Topsoil Fine Grading Completed Today
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

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206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/12/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-54
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, ~48° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading (shallow cuts and fills) in the northeast side of the swale area east of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted by the excavator prior to the placement of the geo-grid (see attached site plan).

We also observed the contractor performing some fine grading of the topsoil in the swale area east of Kite Hill utilizing a Kubota track mounted mini excavator. The graded area was track compacted and/or tamped with the excavator bucket, and was being raked smooth by hand (see attached site plan).

We also observed the contractor hauling unsuitable soil off-site (Rabanco).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) in the northeast side of the swale area east of Kite Hill (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

	FIELD REPRESENTATIVE	DATE
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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	11/26/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We observed the contractor place an approximately 6-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) over a portion of the geo-grid placed today (see attached site plan). The Type 17 was compacted utilizing an Ingersoll Rand steel drum vibratory roller.

We also observed the contractor installing approximately 10,000 sq. ft. of sod lawn in the southeast quadrant of Kite Hill and through the south end of the swale area east of the hill.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor installing the irrigation system along the west side of the swale area today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Silt Fence Installed Previously
Approximate Area of Geo-Grid and Type 17 Completed Today
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Approximate Area of Sod installation Completed Today
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/13/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-55
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, ~48° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading of the topsoil in the swale area east of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted and/or tamped with the excavator bucket, and was being raked smooth by hand (see attached site plan).

The contractor was importing topsoil today (Pacific Topsoil).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor placing an approximately 12-inch lift of topsoil in the northeast area of the swale (see attached site plan). The topsoil was being dozed into place with a Case 650HLT dozer, and was being track compacted at the same time.

We also observed the contractor installing approximately 10,000 sq. ft. of sod lawn in the swale area east of Kite Hill.

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 11/26/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

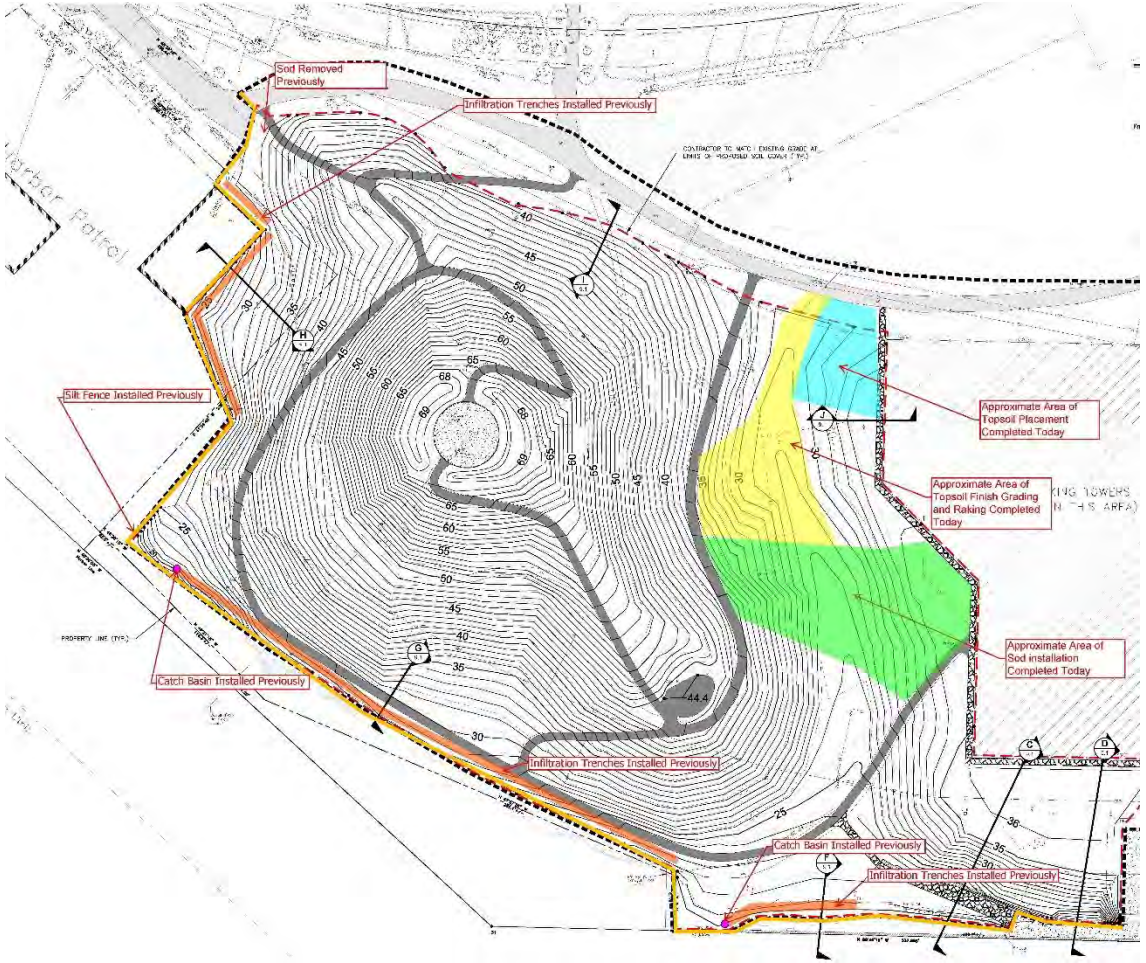
We observed the contractor installing the irrigation system along the east side of the swale area today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 10- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Silt Fence Installed Previously
Approximate Area of Topsoil Placement Completed Today
Approximate Area of Topsoil Finish Grading and Raking Completed Today
Approximate Area of Sod installation Completed Today
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/14/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-56
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1330	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, ~48° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading of the topsoil in the swale area east of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted and/or tamped with the excavator bucket, and was being raked smooth by hand (see attached site plan).

The contractor was also importing topsoil today (Pacific Topsoil).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor placing an approximately 12-inch lift of topsoil in the northeast area of the swale (see attached site plan). The topsoil was being placed with a Deere 135 D track mounted excavator, and was being track compacted and/or tamped with the excavator bucket

We also observed the contractor installing approximately 6,000 sq. ft. of sod lawn in the swale area east of Kite Hill.

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE**	**DATE**
	Steven L. Godes	**11/14/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	**11/26/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Irrigation

We observed the contractor installing the irrigation system along the east side of the swale area today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 6- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Silt Fence Installed Previously
Approximate Area of Topsoil Finish Grading and Raking Completed Today
Approximate Area of Sod installation Completed Today
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

GeoEngineers

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/17/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-57
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, ~51° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor performing some fine grading of the topsoil in north end of the swale area east of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted and/or tamped with the excavator bucket, and was being raked smooth by hand (see attached site plan).

The contractor was also importing topsoil today (Pacific Topsoil).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) in the southeast corner of the site near the lakeshore (see attached site plan). The subgrade was evaluated prior to placing the geo-grid to ensure that the subgrade was compacted properly, was free of pumping soil conditions and was observed to be firm. We evaluated the subgrade by means of probing with a ½-inch diameter steel probe rod. Probe depths were generally in the range of 2- to 3-inches.

We observed the contractor place an approximately 12-inch lift of topsoil over the geo-grid described above (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being track compacted and/or tamped with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	11/17/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	11/26/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 6- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor has begun removing the perimeter silt fence at the south side of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Approximate Area of Topsoil Finish Grading and Raking Completed Today
Approximate Area of Geo-Grid Placement and Topsoil Finish Grading and Raking Completed Today

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/18/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-58
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, ~50° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

We observed the contractor placing loose crushed rock base course in the path areas west of the Cracking Towers (see site plan). The material will be graded and compacted later this week.

The contractor was also importing topsoil today (Pacific Topsoil).

Based on our observation and evaluations, it is our opinion that the earthwork and grading performed today was completed in general accordance of those sections of the plans and specifications that pertain to the geotechnical aspects of the project.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 5- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

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	Steven L. Godes	**11/18/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	**11/26/14**

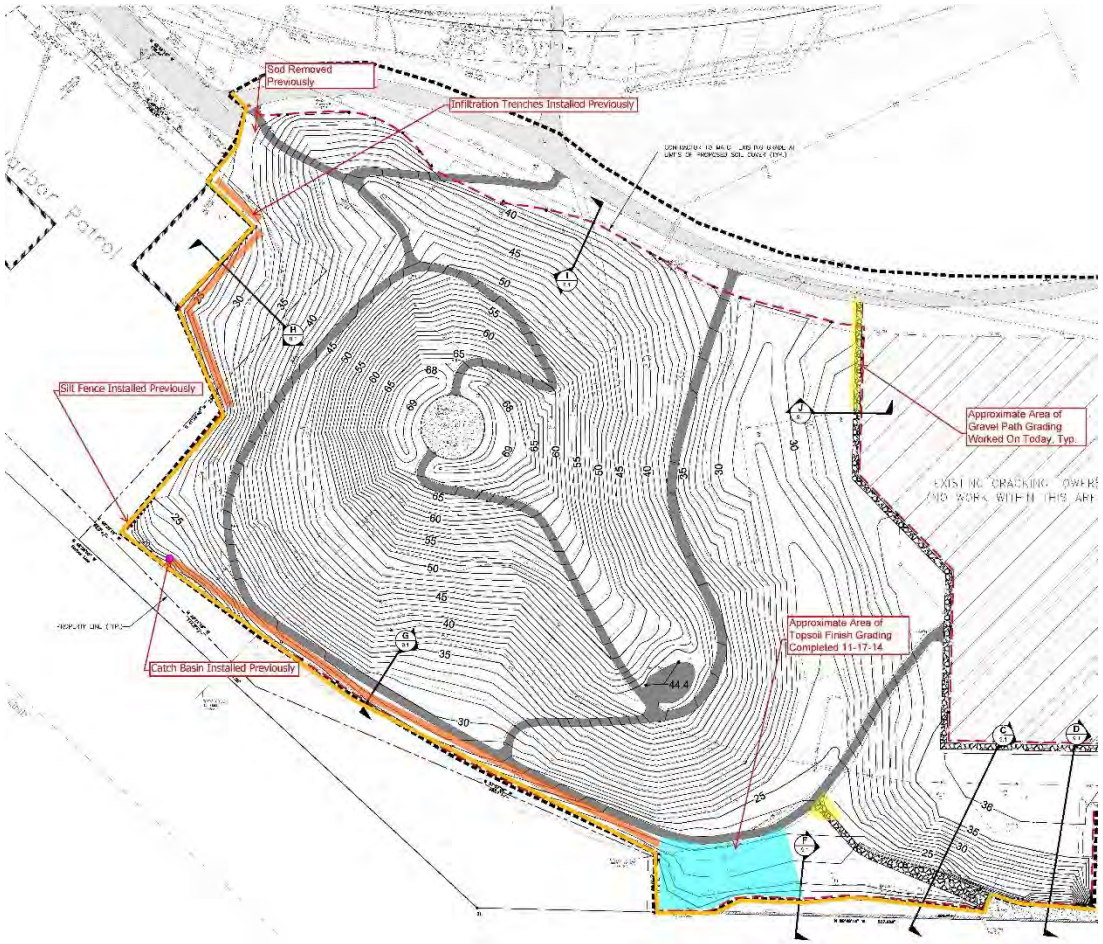
Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

The contractor has begun removing the perimeter silt fence at the south side of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Silt Fence Installed Previously
Approximate Area of Gravel Path Grading Worked On Today, Typ.
Approximate Area of Topsoil Finish Grading Completed 11-17-14
Catch Basin Installed Previously

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/19/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-59
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~50° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

No excavation or grading work was performed today.

We observed the contractor install approximately 10,000 sq. ft. of sod in the swale area east of Kite Hill (see attached site plan).

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 5- 20,000 gallon Baker Tanks for runoff storage during storm events (see attached site plan). We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor has begun removing the perimeter silt fence at the south side of the site in sections as required to finish grade the topsoil, and install sod.

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	Steven L. Godes	**11/19/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	**11/26/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Silt Fence Installed Previously
Approximate Area of Sod Installed Today, Typ.
Catch Basin Installed Previously
EXISTING CRACKING
(NO WORK WITHIN THIS

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/20/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-60
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, ~50° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Earthwork activity performed today was limited to excavating shallow trenches for irrigation installation.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 12-inch lift of topsoil over the previously installed geo-grid along the south perimeter of the site adjacent to the lakeshore (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being tamped into place with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation next week.

Irrigation

We observed the contractor installing the irrigation system at the north end of the swale area and at the south perimeter of the site adjacent to the lakeshore.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	11/20/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	11/26/14

Attachments: Site Plan

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and an array of 4- 20,000 gallon Baker Tanks for runoff storage during storm events. We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor has begun removing the perimeter silt fence at the south side of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Approximate Area of Topsoil Backfill and Finish Grading Today, Typ.

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/21/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-61
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~50° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Earthwork activity performed today was limited to excavating shallow trenches for irrigation installation.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 12-inch lift of topsoil over the previously installed geo-grid along the south perimeter of the site adjacent to the lakeshore (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being tamped into place with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation next week.

Irrigation

We observed the contractor installing the irrigation system at the north end of the swale area and at the south perimeter of the site adjacent to the lakeshore.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 11/26/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

and an array of 4- 20,000 gallon Baker Tanks for runoff storage during storm events. We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor has begun removing the perimeter silt fence at the south side of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Approximate Area of
Topsoil Backfill and Finish
Grading Today, Typ.

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/24/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-62
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1500	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, ~48° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Earthwork activity performed today was limited to excavating shallow trenches for irrigation installation as well as potholing to locate the water main near the fire hydrant on the north side of the site (see attached site plan). Two potholes were excavated to depths of 9- and 11-feet respectively, however the water main was not found. A locate service was on site trying to locate the main, but was unsuccessful. More research into the location and depth of the water main is necessary in order to complete this work.

Geo-Grid and Soil Cap Placement

We observed the contractor finish grading topsoil along the west side of the ADA path on the east side of Kite Hill as well as along paths on the south side of the hill. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation.

Irrigation

We observed the contractor installing the irrigation system at the north end of the swale area and at the south perimeter of the site adjacent to the lakeshore.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE, LEG	**DATE** 11/26/14

Attachments: Site Plan

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Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 4- 20,000 gallon Baker Tanks for runoff storage during storm events. We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site. Nor has there been any observable issue with the erosion control measures during the recent heavy rains which included >1/2 inch on Saturday 11/22/14.

The contractor has begun removing the perimeter silt fence at the south side of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Approximate Area of Potholing for Water Main Today
Approximate Area of Topsoil Backfill and Finish Grading Today, Typ.

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/25/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-63
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~56° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Earthwork activity performed today was limited to excavating shallow trenches for irrigation.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 12-inch lift of topsoil over the previously installed geo-grid along the south perimeter of the site adjacent to the lakeshore (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being tamped into place with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation next week.

We also observed the contractor install approximately 3,500 sq. ft. of sod in this same area.

Irrigation

We observed the contractor installing the irrigation system at the north end of the swale area and at the south perimeter of the site adjacent to the lakeshore.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

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	Steven L. Godes	**11/25/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	**11/26/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 3- 20,000 gallon Baker Tanks for runoff storage during storm events. We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor has begun removing the perimeter silt fence at the south side of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 11/26/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-64
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1430	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, ~50° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Earthwork activity performed today was limited to excavating shallow trenches for irrigation.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 12-inch lift of topsoil over the previously installed geo-grid in the southwest corner of the site adjacent to the lakeshore (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being tamped into place with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation next week.

We also observed the contractor install approximately 2,500 sq. ft. of sod in this same area.

Irrigation

We observed the contractor installing the irrigation system at the north end of the swale area and at the south perimeter of the site adjacent to the lakeshore.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	11/26/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	REVIEWED BY	DATE
	Bo McFadden, PE, LEG	12/3/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 2- 20,000 gallon Baker Tanks for runoff storage during storm events. We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor has begun removing the perimeter silt fence at the south and west sides of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/1/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-65
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1500	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, ~40° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation and Grading

Earthwork activity performed today was limited to excavating to determine the depth and location of the water main in the area of the irrigation system point of connection (see attached site plan). The water main was located approximately 17-feet south of the existing fire hydrant and approximately 10-feet below existing grade.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 12-inch lift of topsoil over the previously installed geo-grid in the southwest corner of the site adjacent to the lakeshore and west perimeter (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being tamped into place with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation.

We also observed the contractor importing topsoil (Pacific Topsoil).

Path Paving

We observed that Northwest Asphalt was on site today to repave two areas that were previously installed, but did not meet the quality standards of Wyser Construction (see attached site plan).

	FIELD REPRESENTATIVE	DATE
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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	REVIEWED BY	DATE
	Bo McFadden, PE, LEG	12/3/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Irrigation

We observed the contractor installing the irrigation system near the west perimeter of the site adjacent to the Harbor Patrol property.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds and an array of 2- 20,000 gallon Baker Tanks for runoff storage during storm events. We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor was removing the perimeter silt fence at the west side of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Approximate Area of Watermain Excavation Performed Today
Approximate Area of Asphalt Sawcut and Overlay Performed Today
Approximate Area of Topsoil Installed Today
Approximate Area of Asphalt Removed and Replaced Today

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/2/14
	Owner: City of Seattle	Time of Arrival: 0900	Report Number: GT-66
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1100	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, ~36° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 12-inch lift of topsoil over the previously installed geo-grid at the west perimeter of the site (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being tamped into place with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation.

We also observed the contractor importing topsoil (Pacific Topsoil).

Irrigation

We observed that Speer Taps, Inc. was on site today and made the 2-inch live tap at the existing 8-inch cast iron water main near the fire hydrant at the north side of Kite Hill (see attached site plan). We understand that the contractor will install the irrigation service line today or tomorrow.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include silt fencing, temporary interceptor swales, check dams, quarry spalls installed along the edge of the asphalt pavement trucking route, temporary sediment ponds

	FIELD REPRESENTATIVE	DATE
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	Bo McFadden, PE, LEG	12/3/14

Attachments: Site Plan

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and an array of 2- 20,000 gallon Baker Tanks for runoff storage during storm events. We also observed the contractor using a street sweeper to clean the paved on- and off-site haul route several times throughout the day. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor was removing the perimeter silt fence at the west side of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Approximate Location of Watermain Tap Performed Today
Approximate Area of Topsoil Installed Today

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/3/14
	Owner: City of Seattle	Time of Arrival: 1300	Report Number: GT-67
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1500	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Mostly Sunny, ~46° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 12-inch lift of topsoil over the previously installed geo-grid at the west perimeter of the site as well as along the path edges on the west side of Kite Hill (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being tamped into place with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation.

We also observed the contractor restoring the surfacing at the end of Northlake Way. The contractor placed and compacted an approximately 4-inch lift of 1 ¼-inch minus crushed rock base course. The crushed rock was compacted with a mini dual drum vibratory roller.

The contractor importing topsoil (Pacific Topsoil).

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include permanent landscaping (sod and hydroseed), and quarry spalls installed along the edge of the asphalt pavement trucking route and 1- 20,000 gallon Baker Tank for

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 12/8/14

Attachments: Site Plan

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runoff storage during storm events. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor was removing the perimeter silt fence at the west side of the site in sections as required to finish grade the topsoil, and install sod.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan


Approximate Area of Crushed Rock Restoration Completed Today
Approximate Area of Topsoil Installed Today, Typ.

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/4/14
	Owner: City of Seattle	Time of Arrival: 1330	Report Number: GT-68
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1500	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~46° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 6- to 12-inch lift of topsoil along the path edges on the north, south, and west sides of Kite Hill (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being tamped into place with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation next Monday.

The contractor importing topsoil (Pacific Topsoil).

Irrigation

We observed the contractor installing the irrigation system in the northeast quadrant as well as various other areas of Kite Hill.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include permanent landscaping (sod and hydroseed), and quarry spalls installed along the edge of the asphalt pavement trucking route and 1- 20,000 gallon Baker Tank for runoff storage during storm events. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 12/8/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/5/14
	Owner: City of Seattle	Time of Arrival: 1300	Report Number: GT-69
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1400	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~52° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we discussed elements of construction with Robert Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Geo-Grid and Soil Cap Placement

We observed the contractor place an approximately 6- to 12-inch lift of topsoil along the path edges on the north, south, and east sides of Kite Hill (see attached site plan). The topsoil was being placed with a track mounted mini excavator, and was being tamped into place with the excavator bucket. After the topsoil was finish graded, it was raked smooth by hand in preparation for sod installation next Monday.

The contractor importing topsoil (Pacific Topsoil).

Irrigation

We observed the contractor installing the irrigation vault and backflow preventer on the north side of Kite Hill..

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include permanent landscaping (sod and hydroseed), and quarry spalls installed along the edge of the asphalt pavement trucking route and 1- 20,000 gallon Baker Tank for runoff storage during storm events. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 12/8/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan

GeoEngineers

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600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/8/14
	Owner: City of Seattle	Time of Arrival: 1400	Report Number: GT-70
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: Overcast, Rain, ~54° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we met with representatives of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Geo-Grid and Soil Cap Placement

We observed the contractor install approximately 5,000 sq. ft. of sod along the west perimeter of the site.

Irrigation

We observed the contractor continuing work on the irrigation system on the north side of Kite Hill. The subgrade and concrete forms for the controller foundation have also been prepared.

Slope Stability

Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include permanent landscaping (sod and hydroseed), and quarry spalls installed along the edge of the asphalt pavement trucking route and 1- 20,000 gallon Baker Tank for runoff storage during storm events. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	12/8/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	12/15/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Site Plan

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Plaza 600 Building
600 Stewart Street, Suite 1700
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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/9/14
	Owner: City of Seattle	Time of Arrival: 1330	Report Number: GT-71
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~60° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we met with representatives of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Geo-Grid and Soil Cap Placement

We observed the contractor install approximately 6,600 sq. ft. of sod along the path edges on the south half of Kite Hill (see attached site plan).

Slope Stability

Kite Hill remained stable during construction activities; there was one very small area of groundwater seepage observed on the west slope between the path and the northeast corner of the Harbor Patrol Building (approximately a 5 sq. ft. area). No sloughing or raveling of the site soils and no tension cracks were observed, however the topsoil in that area is saturated and very soft. We will continue to monitor this location to determine if remedial action is required at a later date. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include permanent landscaping (sod and hydroseed), and quarry spalls installed along the edge of the asphalt pavement trucking route and 1- 20,000 gallon Baker Tank for runoff storage during storm events. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

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	Steven L. Godes	**12/9/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	**12/15/14**

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Site Plan

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/10/14
	Owner: City of Seattle	Time of Arrival: 1430	Report Number: GT-72
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: Overcast, Rain ~55° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we met with representatives of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Geo-Grid and Soil Cap Placement

We observed the contractor install approximately 600 sq. ft. of sod along the path edges on the south half of Kite Hill (see attached site plan).

Irrigation

We observed the contractor was working on the irrigation system on the north side of Kite Hill and had made the main connection from the City main to the irrigation main.

Slope Stability

Kite Hill remained stable during construction activities; there was one very small area of groundwater seepage observed on the west slope between the path and the northeast corner of the Harbor Patrol Building (approximately a 5 sq. ft. area). No sloughing or raveling of the site soils and no tension cracks were observed, however the topsoil in that area is saturated and very soft. We will continue to monitor this location to determine if remedial action is required at a later date. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include permanent landscaping (sod and hydroseed), and quarry spalls installed along the edge of the asphalt pavement trucking route and 1- 20,000 gallon Baker Tank for runoff storage during storm events. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

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☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY** Bo McFadden, PE	**DATE** 12/15/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan

GeoEngineers

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Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/11/14
	Owner: City of Seattle	Time of Arrival: 1330	Report Number: GT-73
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: Overcast, Rain ~55° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project, with particular attention to erosion control measures follow periods of heavy rainfall. While on site we met with representatives of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Geo-Grid and Soil Cap Placement

We observed the contractor had removed the last remaining Baker Tank, and was cleaning up the Baker Tank staging area.

Irrigation

We observed the contractor was working on the irrigation system on the north side of Kite Hill.

Slope Stability

Kite Hill remained stable during construction activities; there was one very small area of groundwater seepage observed on the west slope between the path and the northeast corner of the Harbor Patrol Building (approximately a 5 sq. ft. area). No sloughing or raveling of the site soils and no tension cracks were observed, however the topsoil in that area is saturated and very soft. We will continue to monitor this location to determine if remedial action is required at a later date. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

The site areas that were being worked are located away from the shoreline but near one stormwater catch basin. At this time temporary erosion and sedimentation control efforts include permanent landscaping (sod and hydroseed), quarry spalls installed along the edge of the asphalt pavement trucking route, and catch basin inserts. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Steven L. Godes	12/11/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	REVIEWED BY	DATE
	Bo McFadden, PE	12/15/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

Site Plan

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/12/14
	Owner: City of Seattle	Time of Arrival: 1100	Report Number: GT-74
Prepared by: Steven L. Godes	Location: Gasworks Park, Seattle, WA	Time of Departure: 1300	Page: 1 of 1
Purpose of visit: Construction Observations	Weather: Partly Sunny, ~55° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe geotechnical elements of the soil capping project. While on site we met with representatives of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Geo-Grid and Soil Cap Placement

We observed the contractor placing 2- to 4-inch quarry spalls at the end of the storm drain that discharges to the swale east of Kite Hill.

Irrigation

We observed the contractor was working on the irrigation system on the north side of Kite Hill.

Slope Stability

Kite Hill remained stable during construction activities; there was one very small area of groundwater seepage observed on the west slope between the path and the northeast corner of the Harbor Patrol Building (approximately a 5 sq. ft. area). No sloughing or raveling of the site soils and no tension cracks were observed, however the topsoil in that area is saturated and very soft. We will continue to monitor this location to determine if remedial action is required at a later date. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

At this time temporary erosion and sedimentation control efforts include permanent landscaping (sod and hydroseed), and quarry spalls installed along the edge of the asphalt pavement trucking route. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the temporary erosion and sedimentation control measures appear to be functioning in general accordance with the project plans, specifications, and our recommendations.

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE**	**DATE**
	Steven L. Godes	**12/12/14**
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	**12/30/14**

Attachments: None

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 12/29/14 (Mon.)
	Owner: City of Seattle	Time of Arrival: 1215	Report Number: GT-75
Prepared by: Jason Q. Sanford	Location: Gasworks Park, Seattle, WA	Time of Departure: 1245	Page: 1 of 1
Purpose of visit: Construction Observations	Weather: Clear, ~43° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe erosion control elements of the soil capping project following periods of heavy rainfall over the past few days. Our observations and understandings of the construction activities are summarized in the following sections.

Slope Stability

The slopes and areas of Kite Hill that were recently regarded were observed to be stable during our site visit today with no sloughing, raveling, tension cracks or other instability of site soils observed on the slopes. The sod was observed to be saturated and very soft in many areas, which is to be expected. We will continue to make periodic site visit to observe the site conditions during the wet winter months (as required by the grading extension) to determine if remedial action is required at a later date.

Erosion Control Measures

At this time temporary erosion and sedimentation control measures have been replace by permanent landscaping (sod and hydroseed), with the exception of an area of quarry spalls installed along the edge of the asphalt pavement trucking route. These efforts were observed to be functioning as intended so that no concentrated surface water flow or erosion was observed to be occurring. Furthermore, no soil was not observed to be leaving the site.

Based on our observations, it is our opinion that the permanent landscaping for erosion and sedimentation control appears to be functioning as intended and in general accordance with the project plans, specifications, and our recommendations.

	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Jason Q. Sanford	12/29/14
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	12/30/14

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 02/05/15 (Thur.)
	Owner: City of Seattle	Time of Arrival: 1330	Report Number: GT-76
Prepared by: Michael A. Gray	Location: Gasworks Park, Seattle, WA	Time of Departure: 1400	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Rainy, ~50° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe erosion control elements of the soil capping project following periods of heavy rainfall over the past few days. Our observations are summarized in the following sections.

Slope Stability

The slopes and areas of Kite Hill that were regraded were observed to be stable during our site visit today with no sloughing, raveling, tension cracks or other instability of site soils observed on the slopes. The sod/grass areas were observed to be saturated and very soft in many areas, which is to be expected.

Photo 1 - View of Kite Hill from north

Erosion Control Measures

At this time temporary erosion and sedimentation control measures have been replaced by permanent landscaping (sod and hydroseed), with the exception of an area of quarry spalls installed along the edge of the asphalt pavement trucking route. These efforts were observed to be functioning as intended so that no concentrated surface water flow or erosion was observed to be occurring. Furthermore, no soil was observed to be leaving the site.

The area located in the northeast corner of the site used as a staging area during construction activities (see Photo 2) was observed to consist of a mixture of soil, sod and hydroseed. Runoff water from this area was observed to flow down slope along the swale located along the east side of Kite Hill (see Photo 3). The water approached the lake near the southeast corner of the site. A straw waddle was observed at the end of this runoff water and no sediment was observed in the flow.

Photo 2 - Former staging Area

☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	**FIELD REPRESENTATIVE**	**DATE**
	Michael Gray	02/05/15
☒ **THIS FIELD REPORT IS FINAL** A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	**REVIEWED BY**	**DATE**
	Bo McFadden, PE, LEG	02/09/15

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Loose areas of sod were observed along the edges of the south side of Kite Hill. We recommend that the edges of the sod be repaired as discussed below so that the sod will take root in the topsoil.

Based on our observations, it is our opinion that the permanent landscaping for erosion and sedimentation control appears to be functioning generally as intended and in general accordance with the project plans, specifications, and our recommendations.

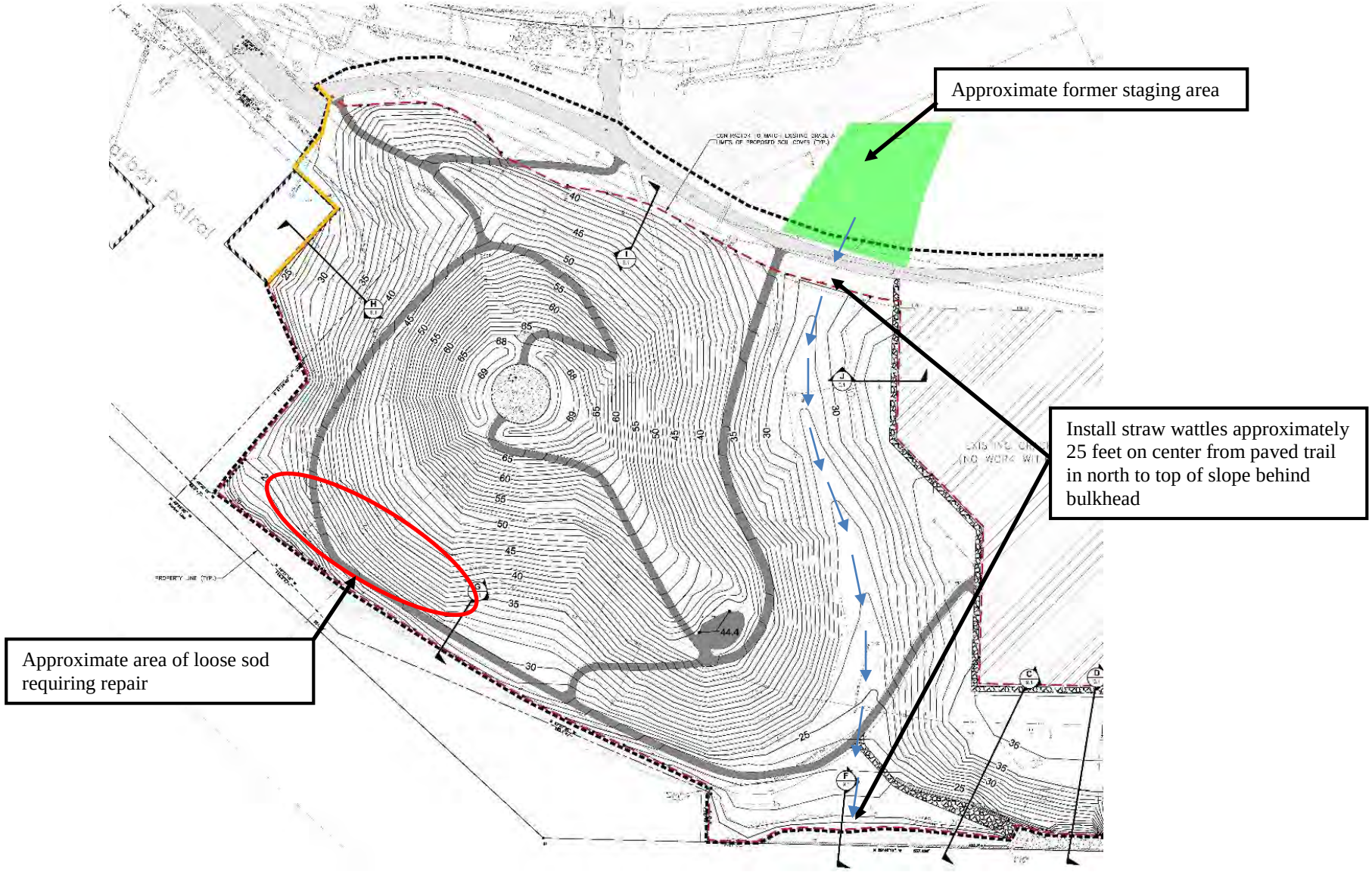
However, we have requested that the contractor take the following steps to further stabilize the site:

1. Inspect the filter fabric sock in the CB at the former staging area and replace it if necessary (discharges to east swale area).
2. Install a straw wattle barrier around the CB discussed above.
3. Install additional straw wattles along the east drainage swale to further slow the stormwater velocities to reduce the risk of erosion. The wattles should be spaced approximately 25 feet on center and staked firmly into the sod. In addition we recommend that the areas of loose sod (see Photo 4) be repaired using geotextile anchoring staples to hold in place.

Photo 3 - Area of low swale on east side of Kite Hill

Photo 4 - Areas of loose sod on south side of Kite Hill

We will continue to make periodic site visit to observe the site conditions during the wet winter months (as required by the grading extension) to determine if remedial action is required at a later date.


Approximate former staging area
Install straw wattles approximately 25 feet on center from paved trail in north to top of slope behind bulkhead
Approximate area of loose sod requiring repair

GeoEngineers

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600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 03/16/15 (Mon.)
	Owner: City of Seattle	Time of Arrival: 1015	Report Number: GT-76
Prepared by: Michael A. Gray	Location: Gasworks Park, Seattle, WA	Time of Departure: 1045	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: Rainy, 50° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe erosion control elements of the soil capping project following periods of heavy rainfall over the past couple of days. Our observations are summarized in the following sections.

Slope Stability

The slopes and areas of Kite Hill that were regraded were observed to be stable during our site visit today with no sloughing, raveling, tension cracks or other instability of site soils observed on the slopes. The sod/grass areas were observed to be saturated and very soft in many areas, which is to be expected.

Photo 1 - View of Kite Hill from north

Erosion Control Measures

At this time temporary erosion and sedimentation control measures have been replaced by permanent landscaping (sod and hydroseed), with the exception of an area of quarry spalls installed along the edge of the asphalt pavement trucking route. These efforts were observed to be functioning as intended so that no concentrated surface water flow or erosion was observed to be occurring. Furthermore, no soil was observed to be leaving the site.

The area located in the northeast corner of the site used as a staging area during construction activities (see Photo 2) was observed to consist of a mixture of soil, sod and hydroseed. Runoff water from this area was observed to flow down slope along the swale located along the east side of Kite Hill (see Photos 3 and 4). The water approached the lake near the southeast corner of the site. Straw wattles were observed at the end of this runoff water and no sediment was observed in the flow.

Photo 2 - Former staging Area

☐ THIS FIELD REPORT IS PRELIMINARY A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	FIELD REPRESENTATIVE Michael Gray	DATE 03/016/15
☒ THIS FIELD REPORT IS FINAL A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	REVIEWED BY Bo McFadden, PE, LEG	DATE 03/16/15

Attachments: Site Plan

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

Additional straw wattles were observed to be installed per our recommendations in FR-76 dated February 2, 2015.

Loose areas of sod were observed along the edges of the south side of Kite Hill. We previously observed that this was due to geese foraging in the area. We recommend that the edges of the sod be repaired as discussed below so that the sod will take root in the topsoil.

Based on our observations, it is our opinion that the permanent landscaping for erosion and sedimentation control appears to be functioning generally as intended and in general accordance with the project plans, specifications, and our recommendations.

However, we have requested that the contractor take the following steps to further stabilize the site:

1. Inspect the filter fabric sock in the CB at the former staging area and replace it if necessary (discharges to east swale area).
2. Install a straw wattle barrier around the CB discussed above.
3. Install additional straw wattles along the east drainage swale to further slow the stormwater velocities to reduce the risk of erosion. The wattles should be spaced approximately 25 feet on center and staked firmly into the sod. In addition we recommend that the areas of loose sod (see Photo 5) be repaired using geotextile anchoring staples to hold in place.

We will continue to make periodic site visits to observe the site conditions during the wet winter months (as required by the grading extension) to determine if remedial action is required at a later date.

Photo 3 - Area of low swale on east side of Kite Hill

Photo 4- Straw wattles in lower swale

Photo 5 - Areas of loose sod on south side of Kite Hill

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, Washington 98101
206.728.2674

Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 07/28/15 (Tue.)
	Owner: City of Seattle	Time of Arrival: 0945	Report Number: GT-76
Prepared by: Michael A. Gray	Location: Gasworks Park, Seattle, WA	Time of Departure: 1000	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: Sunny, 80° F	Travel Time: 1 hr.	Permit Number: DPD #6407051

Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

Safety Hazards Were Addressed by : ☐ Staying Alert to Construction and Equipment Hazards ☐ Other (describe)

We were on site today to observe permanent erosion control elements of the soil capping project. Our observations are summarized in the following sections.

Slope Stability

The slopes and areas of Kite Hill that were regraded were observed to be stable during our site visit today with no sloughing, raveling, tension cracks or other instability of site soils observed on the slopes.

Permanent Erosion Control Measures

At this time permanent erosion and sedimentation control measures consisting of sod and hydroseed have been placed throughout the site and vegetation is well established (see Photos 1 and 2), with the exception of a small area of quarry spalls located along the area of low swale to the east side of kite hill. The vegetation has been in place for months and the Kite Hill area was reopened to the public by about July 1, 2015.

These permanent erosion control elements were observed to be functioning as intended so that no concentrated surface water flow or erosion was observed to be occurring. Furthermore, no soil was observed to be leaving the site.

Small areas of loose sod were observed along the edges of the south side of Kite Hill (see Photo 3). We previously observed that this was due to geese foraging in the area. We recommend that the edges of the sod be repaired as discussed below so that the sod will take root in the topsoil.

Photo 1 - View of Kite Hill from north

Photo 2 - Former staging Area

☐ THIS FIELD REPORT IS PRELIMINARY A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	FIELD REPRESENTATIVE Michael Gray	DATE 07/28/15
☒ THIS FIELD REPORT IS FINAL A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.	REVIEWED BY Bo McFadden, PE, LEG	DATE 07/29/15

Attachments: None

Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We also observed and area along the “sun dial” at the top of the slope where digging (children? or dogs?) has been occurring (see Photo 4). This area should be regraded and planted to establish grass cover.

Seattle Parks & Recreation has taken responsibility for maintenance and will likely be addressing these areas.

Based on our observations, it is our opinion that the permanent landscaping for erosion and sedimentation control appears to be generally functioning as intended and in general accordance with the project plans, specifications, and our recommendations.

This site visit and field report complete our geotechnical inspections, and our services on this project.

Photo 3 - Loose sod along south side of Kite Hill

Photo 4 - Diggings along top of Kite Hill

APPENDIX N
Health and Safety Log

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 8/25/14
Location: Gas Works Park 4801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches. backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor_____ Phone:_____

Chemical Hazards: Fuels☒ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes☒ Wildlife ☒

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☒ Excavation/Trenching☒
Noise☐ Demolition☒ Weather☒ Other☐_____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE ☒ Site/Traffic Control☒ Equipment Operation ☒ Excavation/Trenching ☐
Tools ☒ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
EROSION CONTROL	SYRENGES IN BRUSH	STAY HYDRATED
STEEL STEAKS	HEAT	

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Dave Allen	WYSER	DAVID STEVENS
2	Spencer Winiter		
3	DANIEL D. BARBOUR	WYSER	
4	Evan Dotson	Perose	
5			
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 8/26/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor _____ Phone: _____

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☐ Slip/Trip/Falls ☐ Excavation/Trenching ☐
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
	Dust	water
	Joggers / Bikes	fence
	kites	fence cages

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer White		
2	Matthew A. Burress	WYSER	
3	Dan Reynolds		
4			
5			
6			
7			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 8/27/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor_____ Phone:_____

Chemical Hazards: Fuels☒ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☒ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐_____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping☒ KEEP CLEAN SITE
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
Silt fence	VEGETATION	Remove with EQUIPMENT
Ditch Install	Contaminated Soils	EQUIPMENT USE

ATTENDEES

	Printed Name	Company/Agency	Signature
1	[illegible]	[illegible]	[illegible]
2	DAVID STRASBURG	WYSER	[illegible]
3	Spencer White		[illegible]
4	Dan Reynolds	WYSER	[illegible]
5			
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 8/28/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor_____ Phone:_____

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☐ Excavation/Trenching☒
Noise☒ Demolition ☐ Weather☒ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE☒ Site/Traffic Control ☒ Equipment Operation ☒ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☒ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
	BEE'S IN NEST	STAY AWAY
	PEOPLE IN PARK	KEEP FENCE CLOSES

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID S	WYSER	
2	Spencer white	WYSER	
3	DAN REYNOLDS	"	
4	MARVIN YODER	"	
5			
6			
7			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 9/2/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor_____ Phone:_____

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐_____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
fence	falling	Locking

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer white		
2	Trent Jesmer		
3	Dan Reynolds		
4	Manuel Ybarra		
5			
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/3/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: _____

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☐ Slip/Trip/Falls ☐ Excavation/Trenching ☐
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
TREE REMOVAL	CHAINSAW	CHAPS HELMET,
OPERATION		HILL SIDE WET CONDITIONS
EXCLUSION ZON		FENCE TRAILER

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Arnold		
2	TRENT JESNER	WYSER	
3	Spencer White		
4	MANUEL RAYBURN		
5			
6			
8			
Conducted By:	DAN REYNOLDS		

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/4/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
INFILTRATION DITCH	OPERATION	STEEP SLOPES
IRRIGATION / WATER	TRENCHING	
SLOPE EXCAVATION	STEEP AREAS	

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer White		
2	Mark Dark		
3	Monte McCabe		
4	Trent Jesner	WYSER	
5			
6			
8			
Conducted By:	DAN REYNOLDS	WYSER	

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/5/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor _____ Phone: _____

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☐ Slip/Trip/Falls ☑ Excavation/Trenching ☐
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
	Dust	Water if Need

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer White		
2	Trevor Jackson	Wyser	
3	[illegible]		
4	Crew Member		
5			
6			
7			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/8/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☐ Demolition ☐ Weather ☐ Other ☐ DUST COUTROL

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☒ Special PPE N/A

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☒ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☒ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
DUST CONTROL		WATER
FENCE REPAIRS		BOLT FENCE PANELS
WELL LOCATED		INSTALL POST & RIBBON

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DOUG STILDSBURG	WYSER	
2	Chris Akin	WYSER	
3	Pablo H. Quiroz	WYSER	
4	SPENCER WHITE	WYSER	
5	DAN REYNOLDS	WYSER	
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:**
Location: Gas Works Park 901 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☐ Slip/Trip/Falls ☐ Excavation/Trenching ☐
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☒ Excavation/Trenching ☒
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
PARKING EQUIP		NW CORNER OF SITE
OPEN EXCAVATIONS		COVERS / CAUTION TAPE
WATER TRUCK	LEAKING WATER	FIX OR REPAIR.

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Pablo A. Quiroz	WYSER	
2	Spencer White		
3	Zeke Poortinga		
4	DAVID STASBURG		
5	Chuck Davis	WYSER	
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/10/14
Location: Gas Works Park 2301 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☒ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ FLEECE EQUIP
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat, Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
INSPECTION OF TESS		INSPECT ALL SILT FENCE
		MAKE REPAIRS
DUST CONTROL	DUST	FIRE HOSE AND NOZZLE
DECON TRAILER		DECON WATER (BOOT WASH)
		REPLACE WATER
TRENCHES		INSTALL BARRICADES

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID STRASBURG	WYSER	
2	Pablo M. Quiroz	WYSER	
3	Chris Fox	WYSER	
4	Claudia De La Vega	[illegible]	
5			
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/11/14
Location: Gas Works Park 1301 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510-0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☒ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
DUST CONTROL		WATER
SILT FENCE		REPAIR FENCING.
EAR PLUGS		IN 450 CASE

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID SMASNO	WYSER	
2	Chuck [illegible]		
3	Pablo A. Quiroz	WYSER	
4	Spencer White		
5			
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/12/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☒ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☐
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☒ Equipment Operation ☒ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☒ CLEAN UP SITE
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
DUST CONTROL	AIRBORNE	WET DOWN SITE
STEEP SLOPES	MACHINE SLIDING	- STRAW SOD

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Pablo A. Quiroz	WYSER	
2	Chris Ivy		
3	Spencer Whyte		
4	DAVID STADSBUEL		
5			
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** Sept 15 2014
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☒ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☒ Wildlife ☐ OUTSIDE OF SITE

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☒ Demolition ☐ Weather ☒ Other ☐ DUST.

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☒ Site/Traffic Control ☒ Equipment Operation ☒ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ PACIFIC TOPSOIL TRAFFIC
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
DUST CONTROL		
TRUCKS		
GRADING		
SLIPPERY SLOPE		ONEE WATCH

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Pablo Quiroz	WYSER	
2	Ignacio Quiroz		Ignacio Quiroz
3	Spencer White		
4	Alejandro Quiroz		
5			
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: Sept 16 2014
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor Dan Reynolds Phone: 206 510 6672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE☑ Site/Traffic Control☑ Equipment Operation☑ Excavation/Trenching☑
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
Grading	Moving Equipment	Eye contact from foot traffic to operator
	Trenching	Awareness off trenching
	Slip, trips and falls	12" deep
Access	Public Hazards	Keep gates closed and be aware of non personal on site.

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer White	Wyser	
2	Chuk Kyle Kent	Wyser	
3	Ignacio Quiroz	Wyser	Ignacio Quiroz
4	Alejandro Quiroz Jr	Wyser	
5	Fabio A. Quiroz	Wyser	
6	Robert Reynolds	Wyser	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: Sept 17 2014
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☒ Excavation/Trenching ☒
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
Dust Control		WATER
Slippery slopes		RAIN, HILLSIDE SLOPES

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer White		
2	Robert Reynolds		
3	Chuck Ankrum		
4	Ignacio Quiroz		Ignacio Quiroz
5	Pablo A. Quiroz	WYSER	
6	Alejandro Quiroz		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9-18-2014
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer White		
2	Dan Reynolds		
3	Chuck Tarbell		
4	Ignacio Quiroz		Ignacio Quiroz
5	Pablo R. Quiroz	WYSER	
6	Alejandro Quiroz J.		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9-19-2014
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor_____ Phone:_____

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐_____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	ROBERT REYNOLDS		
2	Chuck Anderson		
3	Ignacio Quiroz		Ignacio Quiroz
4	Pablo H. Quiroz	WYSER	
5	Alejandro Quiroz Jr	WYSER	
6	Spencer White	WYSER	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/22/14
Location: Gas Works Park 1801 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 425 742-0838

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
Dust Control		

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer Wynkoop		
2	Shane Kinkead		
3	Robert Reynolds		
4	Pablo A. Quiroz	WYSER	
5	Ignacio Quiroz		Ignacio Quiroz
6	Alejandro Quiroz Jr		
8			
Conducted By:	Dee Romero		

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/23/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Robert Reynolds	Wyser	
2	Chuck Pinkerton		
3	Pablo A. Quiroz	Wyser	
4	Ignacio Quiroz	Wyser	Ignacio Quiroz
5	Alejandro Quiroz Jr		
6	Spencon White		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 8/24/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0622

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
SLIPPERY SLOPES	MUD, RAIN	WAIT FOR RAIN TO STOP
EQUIPMENT OPER.	MUD, RAIN	" " "

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankeles	WYSER	
2	Robert Reynolds	"	
3	Spencer White	"	
4	Ignacio Quiroz	"	Ignacio Quiroz
5	Pablo N. Quiroz	WYSER	
6	Alejandro Quiroz Jr	"	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/25/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☒ Excavation/Trenching☒
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
Slippery Slope	Equipment	STAY OFF

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankerholt		
2	Spencer White		
3	Ignacio Quiroz		Ignacio Quiroz
4	Pablo V. Quiroz	WYSER	
5	Alejandro Quiroz Jr	WYSER	
6	Robert Reynolds	WYSER	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 3/26/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor Dan Reynolds Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
steep slopes		
BACKFILL		GRADE STEEP SLOPE
IRRIGATION		BACKFILL / REVEGETATION

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Aykeet		
2	Ignacio Quiroz		Ignacio Quiroz
3	Pablo F. Quiroz	WYSER	
4	Alejandro Quiroz Jr.		
5	Spencer White		
6	Robert Reynolds		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 8/28/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☒ Equipment Operation ☒ Excavation/Trenching ☒
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
IRRIGATION		
EXCAVATION		STEEP SLOPES / PLACE EQUIP. IN PROPER AREA

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chris Anderson		
2	Pablo A. Quiroz	WYSER	
3	Alejandro Quiroz Jr.		
4	Ignacio Quiroz		Ignacio Quiroz
5			
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 9/30/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☐ Excavation/Trenching☒
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
TRUCK TRAFFIC	STOCKPILING	
GRADING	STEEP SLOP	

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankeles		
2	ROBERT REYNOLDS		
3	Ignacio Quiroz		Ignacio Quiroz
4	DAVID STRYSDIZER		
5	Alejandro Quiroz Jr		
6	Pablo A. Quiroz	WYSER	
8			
	Conducted By:		

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/1/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
GRADING		
IRRIGATION		

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Anterholt		
2	DALEO STRASBURG		
3	Pablo A. Quiroz	WYSER	
4	Alejandra Quiroz		
5	Ignacio Quiroz		Ignacio Quiroz
6	ROBERT REYNOLDS	Wyser	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/2/17
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: **UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320**

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Antebet		
2	ROBERT REYNOLDS		
3	Ignacio Quiroz		Ignacio Quiroz
4	Pablo A. Quiroz	WYSER	
5	Alejandro Quiroz Jr		
6	DAVID STEARNS		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 10/3/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: **UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320**

Emergency Notification - Supervisor Dan Reynolds Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☒ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☒ Equipment Operation ☒ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☒ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
Hydro-seeding	Spray	Keep away -
Steep slopes	Equipment	facing downhill

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Antevet	WYSER	
2	David Strasbaugh		
3	Ignacio Quiroz		Ignacio Quiroz
4	Pablo A. Quiroz		
5	Alejandro Quiroz		
6	Robert Reynolds		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/6/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 8 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN Reynolds Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐_____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
GRADING	–	
IRRIGATION	–	

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID STRASBURG		
2	Chuck [illegible]		
3	Alejandro Quiroz Jr		
4	Zachary White		
5	Robert Reynolds		
6	Ignacio Quiroz		Ignacio Quiroz
	Pablo A- Quiroz	WYSER	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 10/7/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
IRRIGATION	GLUE, CUTTING	GLOVES / HAND SAW
GRADING	STEEP SLOPES	OPERATING EQUIP.
WELLS	—	—
ROTOTILLING	DUST	WATER

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankerlja		
2	Pablo M. Quiroz	WYSER	
3	Ignacio Quiroz		Ignacio Quiroz
4	Alejandro Cuevas J		
5	Spencer Whyte		
6	Robert Reynolds		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/8/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
Hillside Equip	Slipping	Face equipment up Hill

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankeny		
2	Ignacio Quiroz		Ignacio Quiroz
3	Pablo M. Quiroz	WYSER	
4	Alejandro Quiroz Jr		
5	Spencer White		
6	DAVID ERASMUS		
	Dan Reynolds		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10-9-14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☒ Excavation/Trenching☒
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
IRRIGATION	GLUE,	OPEN AREAS
TRACK TRUCK	TRAFFIC HILLSIDE	CONTROLLED AREAS FOR STAGING

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID STRUBLE		
2	Chuck Ankeny		
3	Pablo A. Quiroz	WYSER	
4	Spencer White		
5	Ignacio Quiroz		Ignacio Quiroz
6	Ryan Andrew Quiring Jr		
	Robert Reynolds		
8	Trent Jesner	WYSER	

Conducted By: MANUEL A. IBARRA

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/10/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☒ Equipment Operation ☒ Excavation/Trenching ☒
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
PPE	HARD HATS	HARD HATS & PPE MUST BE WORN AT ALL TIMES WHILE INSIDE OF CONST. FENCE AREA. - DURING OPERATION OF EQUIP. ECT
LOADER	PARKED TRUCKS	NO WHERE ALL TRUCKS ARE PARKED ON SITE. SEE INCIDENT REPORT

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chris Dutcher		
2	Robert Reynard		
3	DAVID STEDSTAD		
4	Pablo A. Quiroz	WYSER	
5	Alejandro Quiroz		
6	Trent Jasmer	WYSER	
	Ignacio Quiroz		Ignacio Quiroz
8	Spencer White		
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 9/13/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☒ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☐ Demolition ☐ Weather ☒ Other ☐ SUB-CONTRACTOR

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
WELL OPERATOR	DRIVING RIG	STAY 15' AWAY FROM RIG
HYDRO - SEEDER	SPRAY SEED MIX	SAFETY GLASSES
	WIRES	

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID STAATSBURG		
2	Chuck Ankeny		
3	Ignacio Quiroz		Ignacio Quiroz
4	Spencer Whitta		
5	Pablo A. Quiroz	WYSER	
6	Alejandro Quiroz Jr		
	Robert Reynolds		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 10/14/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☒ Excavation/Trenching☒
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
DAILY		
SUPPORT SCOPE		

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankeney		
2	Spencer White		
3			
4	Robert Reynolds		
5	Pablo V. Quiroz	WYSER	
6	Alejandro Quiroz Jr		
7	ZAK COLLINS	COLLINS	
8	Ignacio Quiroz	WYSER	Ignacio Quiroz
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/15/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 8 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☐ Demolition ☐ Weather ☐ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
	EQUIP. OPERATION	– STOP WORK
RAIN	SLIP TRIP FALLS	– POTENTIAL SLIPPERY
TRENCHES	WATER COLLECTION	SOILS
PILES	TO WET	COVER WITH TARPS

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID STRASBURG		
2	Loehcer White		
3	CHUCK ANTCLIFF		
4	Pablo A. Quiroz	WYSER	
5	Alejandro Quiroz		
6	Ignacio Quiroz		Ignacio Quiroz
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/16/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☒
Noise ☐ Demolition ☐ Weather ☒ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer White		
2	Chuk Ankerlet		
3	Pablo N. Quiroz	Wyser	
4	Ignacio Quiroz		Ignacio Quiroz
5	Alejandro Quiroz Jr.		
6	Robert Reynolds		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:**
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor_____ Phone:_____

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐_____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
	PROPER PPE	
WORKING ON	ok	BE AWARE OF SURROUNDING
SIDE HILLS		

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ashcraft		
2	Spencer White		
3	DAVID STRASBURG		
4	Robert Reynolds		
5	Pablo Quiroz	WYSER	
6	Alejandro Quiroz Jr		
	Ignacio Quiroz		Ignacio Quiroz
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 10/20/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
SLIP TRIP	SLOPES	CAREFUL, FLAT AREAS
EQUIPMENT OP	HILLSIDE SLOPE	DRY SOILS

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankcorn		
2	Ignacio Quiroz		Ignacio Quiroz
3	Pablo M. Quiroz	WYSER	
4	ROBERT REYNOLDS	Wyser	
5	Trevor Jensen	Wyser	
6	Alejandro Chavez Jr		
8	DAVID STRASBURG	WYSER	

Conducted By: [illegible] WYSER

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/21/14
Location: Gas Works Park [illegible]1 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankeny		
2	Spencer White		
3	Pablo A. Quiroz		
4	Ignacio Quiroz		Ignacio Quiroz
5	Robert Reynolds		
6	Alexandra Gaines	WYSER	
7	[illegible]		
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/27/14
Location: Gas Works Park 901 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
	CLEAN MIRRORS AND WINDOWS	USE MIRRORS
COVER PILE	WET CONDITION	

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID STRASBURG		
2	TROY TESTER	WYSER	
3	Spencer white		
4	DAVID STRASBURG		
5	Pablo A. Quiroz	WYSER	
6	Alejandro Quiroz Jr		
	Ignacio Quiroz		Ignacio Quiroz
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 10/23/17
Location: Gas Works Park 1?01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
HEAVY RAIN	Pumps	PUMP WATER INTO TANK

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Baker Cbt		
2	Spencer White		
3	Pablo A. Quiroz	WYSER	
4	Alejandro Chirino		
5	Juan Jerez	WYSER	
6	MANUEL A. BALTA	WYSER	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/24/14
Location: Gas Works Park N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☐ Excavation/Trenching ☐
Noise ☒ Demolition ☐ Weather ☒ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☒ Site/Traffic Control ☒ Equipment Operation ☒ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
TRUCK TRAFFIC		
STREET SWEEPER		

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankeny		
2	Spencer White		
3	Inst Jesner	WYSER	
4	Pablo A. Quiroz	WYSER	
5	Ignacio Quiroz		Ignacio Quiroz
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 10/27/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels ☐ Lubricants ☐ Solvents ☐ Adhesives ☐ Other ☐ _____
MSDSs Available in Field Office ☐ Truck ☐ Main Office ☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation ☒ Slip/Trip/Falls ☒ Excavation/Trenching ☐
Noise ☐ Demolition ☐ Weather ☒ Other ☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work ☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
GRADING		
" PATHWAY	SLIP TRIP	
" LANDSCAPE	SLIP TRIP	
PUMPING WATER	PUMPS	CARRYING PUMPS & HOSE

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chris Arkell		
2	Spencer White		
3	Fabio A-Quiroz	WYSER	
4	Alejandro Quiroz Jr		
5	Ignacio Alvarez		Ignacio Alvarez
6	Colby Pykes	Wyser	
8		Wyser	

Conducted By: [illegible]

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/28/14
Location: Gas Works Park [illegible]1 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 06[illegible]

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
SOD REMOVAL	CUTTING SOD	—

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID STRICKLAND		
2	Ignacio Quiroz		Ignacio Quiroz
3	Alejandro Cruz A		
4	Pablo R. Quiroz	WYSER	
5	Spencer White		
6	Trent Isner	Wyser	
		Wyser	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date**: 10/29/14
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
	DIRTY WINDOWS AND MIRRORS	CLEAN
	SLIP TRIPS AND FALLS	

ATTENDEES

	Printed Name	Company/Agency	Signature
1	DAVID STRASBURG		
2	Ignacio Quiroz		Ignacio Quiroz
3	Pablo M. Quiroz	WYSER	
4	Alejandro Quiroz		
5	Spencer White		
6	[illegible]	WYSER	
	[illegible]	Wyser	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 10/30/14
Location: Gas Works Park 1 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Pablo A. Quiroz	WYSER	
2	Ignacio Quiroz		Ignacio Quiroz
3	Alejandro Quiroz Jr		
4	Spencer White		
5	DANIEL BARLOW	WYSER	
6	Trent Skinner	WYSER	
7	Colby Dykes	Wyser	
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** Oct 31 2014
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☒ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather☒ Other☐ HEAVY RAIN

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
Pump Water	Excessive Water	Set up pumps

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Spencer White		
2	Jacob L. Oliver	WYSER	
3	Toby Dykes		
4	Ignacio Olivar		Ignacio Olivar
5	Alejandro Olivas Jr		
6	DIEGO SANDOVAL		
7	MICHAEL BEDFORD		
8	Trent Vessey	WYSER	
Conducted By:	MANUEL A. IBARRA	WYSER	

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** Nov 3, 2014
Location: Gas Works Park 1 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor DAN REYNOLDS Phone: 206 510 0672

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☒ GEESE

Physical Hazards: Vehicle/Heavy Equipment Operation☒ Slip/Trip/Falls☒ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☒ Other☐ _____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE _____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☒ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☒ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action
GEESE	EATING LAWN	DOG SILOHEATTET CHASING STREAMERS ON STAKET

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ayke		
2	Spencer White		
3	Pablo D. Quiroz	WYSER	
4	Robert Reynolds		
5	Ignacio Quiroz		Ignacio Quiroz
6	MANUEL A. IBARRA	WYSER	
7	Colby Dykes		
8			
Conducted By:	TODD JESPER	WYSER	

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** 11/4/14
Location: Gas Works Park 1 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor_____ Phone:_____

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐_____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	[redacted]		Spencer White
2	Trent Tesner	Wyser	
3	Pablo A. Quiroz		
4	Ignacio Quiroz		Ignacio Quiroz
5			
6			
8			
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** Nov. 5 2014
Location: Gas Works Park 01 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor_____Phone:_____

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐_____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankeny		
2	Ignacio Quiroz		Ignacio Quiroz
3	Robert Reynolds		
4	Spencer White		
5	Pablo A. Quiroz	WYSER	
6	Alejandro Quiroz Jr		
8	Manuel Arteaga	Wyser	
Conducted By:			

WYSER - DAILY SAFETY MEETING – PLAN OF ACTION

Client: Puget Sound Energy	**Project**: Gas Works Park / Kite Hill Project P.O. #PSE-14-1394	**Date:** Nov 6
Location: Gas Works Park 1201 N. Northlake Way Seattle 98103	**Type Work**: Removal of Sod and Topsoil from approximately 3 – 18 inches, backfill, compact with structural fill & topsoil to match existing grade. Install irrigation system, and hydroseed area.	

Emergency Procedures: For Fire, Police or Medical Emergency **CALL 911** - Notify Supervisor and Safety Officer immediately and proceed as directed. **Safety Director – Dan Reynolds 206-510-0672**

HOSPITAL: UW Medical Center ER 1959 NE Pacific ST. Seattle 98195 ER (206) 543-3320

Emergency Notification - Supervisor_____ Phone:_____

Chemical Hazards: Fuels☐ Lubricants☐ Solvents☐ Adhesives☐ Other ☐ _____
MSDSs Available in Field Office☐ Truck ☐ Main Office☐

Biological Hazards: Sewage ☐ Bloodborne Pathogens ☐ Syringes ☐ Wildlife ☐

Physical Hazards: Vehicle/Heavy Equipment Operation☐ Slip/Trip/Falls☐ Excavation/Trenching☐
Noise☐ Demolition ☐ Weather ☐ Other☐_____

Personal Protective Equipment: Hard Hat; Safety Toed Boots; High Visibility Vests; Gloves, Eye & Hearing Protection
☐ Special PPE_____

Safety Issues / Topics: PPE ☐ Site/Traffic Control ☐ Equipment Operation ☐ Excavation/Trenching ☐
Tools ☐ Electrical ☐ Hot Work☐ Housekeeping ☐ _____
Other _____

Daily Activity Hazard Analysis - Safe Plan of Action

Task / Operation	Potential Hazards	Safe Plan of Action

ATTENDEES

	Printed Name	Company/Agency	Signature
1	Chuck Ankrolt		
2	Spencer Wright		
3	Daniel L-Y Bloom		
4			
5			
6			
7			
8			
Conducted By:			