APPENDIX L (continued)
Field Report – Environmental

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/2/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-33
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1600	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

General Contractor Equipment:

John Deere: 135D track excavator, 35D track excavator, 410 tractor with tiller, 544K front loader
Kubota KX 161-3 track excavator
Bobcat 763 forklift
Case 450CT skid steer with front loader and Bobcat tiller
Water Truck
Decontamination Trailer
Solo Truck (~15 yard capacity)
MST-2000 dump truck
iC45 dump truck
650HLt bulldozer
Ingersoll Rand 70roller/compactor

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

	FIELD REPRESENTATIVE	DATE
O **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	10-2-2014
X **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** Shashi Shankar	**DATE** 10-15-2014

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

Health and Safety:
Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work fine grading topsoil over the east, north and west sides of kite hill in preparation for hydroseeding tomorrow.

~0845. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. On-going fine grading and raking of the topsoil on the east, north and west sides of kite hill. On-going import of Type 17, topsoil, and crushed rock base.

~1235. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. Ongoing fine grading of the topsoil on the east, north and west sides of kite hill in preparation for hydroseeding. Ongoing import of Type 17, topsoil, and crushed rock base.

~1430. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. Ongoing fine grading of the topsoil on the east, north and west sides of kite hill in preparation for hydroseeding. Ongoing import of Type 17, topsoil, and crushed rock base.

~1545. Wyser began putting equipment away and wrapping up for the day.

~1600. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of three monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:
    - DustTrak file Manual_116 (0843) – Min (0.023 mg/m^3), Max (3.630 mg/m^3), Average (0.473 mg/m^3).
    - DustTrak file Manual_117 (1234) – Min (0.035 mg/m^3), Max (0.170 mg/m^3), Average (0.076 mg/m^3).
    - DustTrak file Manual_118 (1426) – Min (0.017 mg/m^3), Max (0.244 mg/m^3), Average (0.062 mg/m^3).
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today. Last night's rain event was very light and did not cause a discharge from the site.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: mostly sunny, low 60s.

Afternoon: mostly sunny, mid 60s.

Truck Log:

Export:
- None.

Import:

- Type 17: 19 loads of Type 17 equaling 292.78 tons were imported to the site. A total of 3,239.65 tons of Type 17 has been imported onto the site as of today.

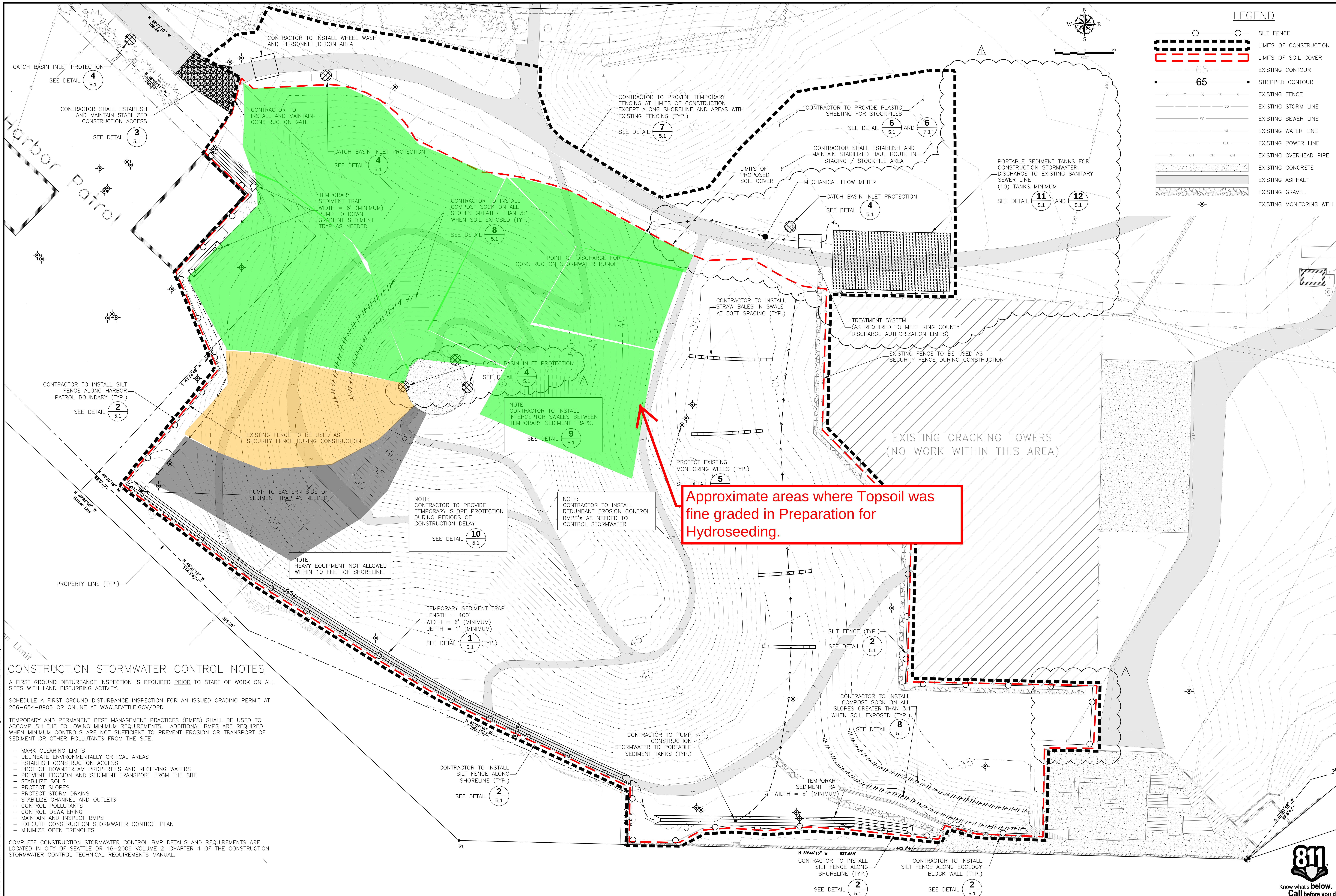
- Topsoil: 9 loads of Topsoil equaling 180 yards were imported to the site. A total of 4,120 yards of Topsoil has been imported onto the site as of today.

- Crushed Rock (base course): 2 loads of crushed rock equaling 29.63 tons were imported to the site. A total of 121.89 tons of crushed rock has been imported onto the site as of today.

Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Fine grading the east, north and west sides of kite hill in preparation for hydroseeding tomorrow. Continued import of Type 17, topsoil and crushed rock base. The attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.


LEGEND
SILT FENCE
LIMITS OF CONSTRUCTION
LIMITS OF SOIL COVER
EXISTING CONTOUR
STRIPPED CONTOUR
EXISTING FENCE
EXISTING STORM LINE
EXISTING SEWER LINE
EXISTING WATER LINE
EXISTING POWER LINE
EXISTING OVERHEAD PIPE
EXISTING CONCRETE
EXISTING ASPHALT
EXISTING GRAVEL
EXISTING MONITORING WELL
Harbor Patrol
CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1
CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA
CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE
TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED
CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1
POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF
CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1
CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES SEE DETAIL 6 5.1 AND 6 7.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA
LIMITS OF PROPOSED SOIL COVER
MECHANICAL FLOW METER
PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1
CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)
TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1
CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED
PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5
EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)
Approximate areas where Topsoil was fine graded in Preparation for Hydroseeding.
NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1
NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMP's AS NEEDED TO CONTROL STORMWATER
NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.
PROPERTY LINE (TYP.)
TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)
SILT FENCE (TYP.) SEE DETAIL 2 5.1
CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1
CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)
TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1
CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1
N 89°46'15" W 537.658'
351.20'
Know what's below. Call before you dig.

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206–684–8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16–2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

REFERENCES	
DRAWING NUMBER	REFERENCE DRAWING TITLE

NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
△	CONFORMED SET	TJM		TML	CLB

Design / Date — Drawn / Date — Checked / Date — Approved / Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/3/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-34
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

General Contractor Equipment:

John Deere: 135D track excavator, 35D track excavator, 410 tractor with tiller, 544K front loader
Kubota KX 161-3 track excavator
Bobcat 763 forklift
Case 450CT skid steer with front loader and Bobcat tiller
Water Truck
Decontamination Trailer
Solo Truck (~15 yard capacity)
MST-2000 dump truck
iC45 dump truck
650HLt bulldozer
Ingersoll Rand 70roller/compactor

Subcontractor Onsite:

Country Green Turf – Wyser sub-contractor for hydroseeding.

	FIELD REPRESENTATIVE	DATE
O **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	10-3-2014
X **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** Shashi Shankar	**DATE** 10-15-2014

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

Health and Safety:
Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work grading at the south side of kite hill in preparation for the placement of geo-grid.

~0845. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 in southeast quadrant near benches.

~1235. Hydroseeding of the east, north, and west sides of the hill begins. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 and placement of topsoil in southeast quadrant near benches.

~1555. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc...):

- Dust Monitoring: No dust monitoring performed today.
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: The weekly CESCL inspection was performed today by Wyser.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: mostly sunny, low 60s.

Afternoon: mostly sunny, mid 60s.

Truck Log:

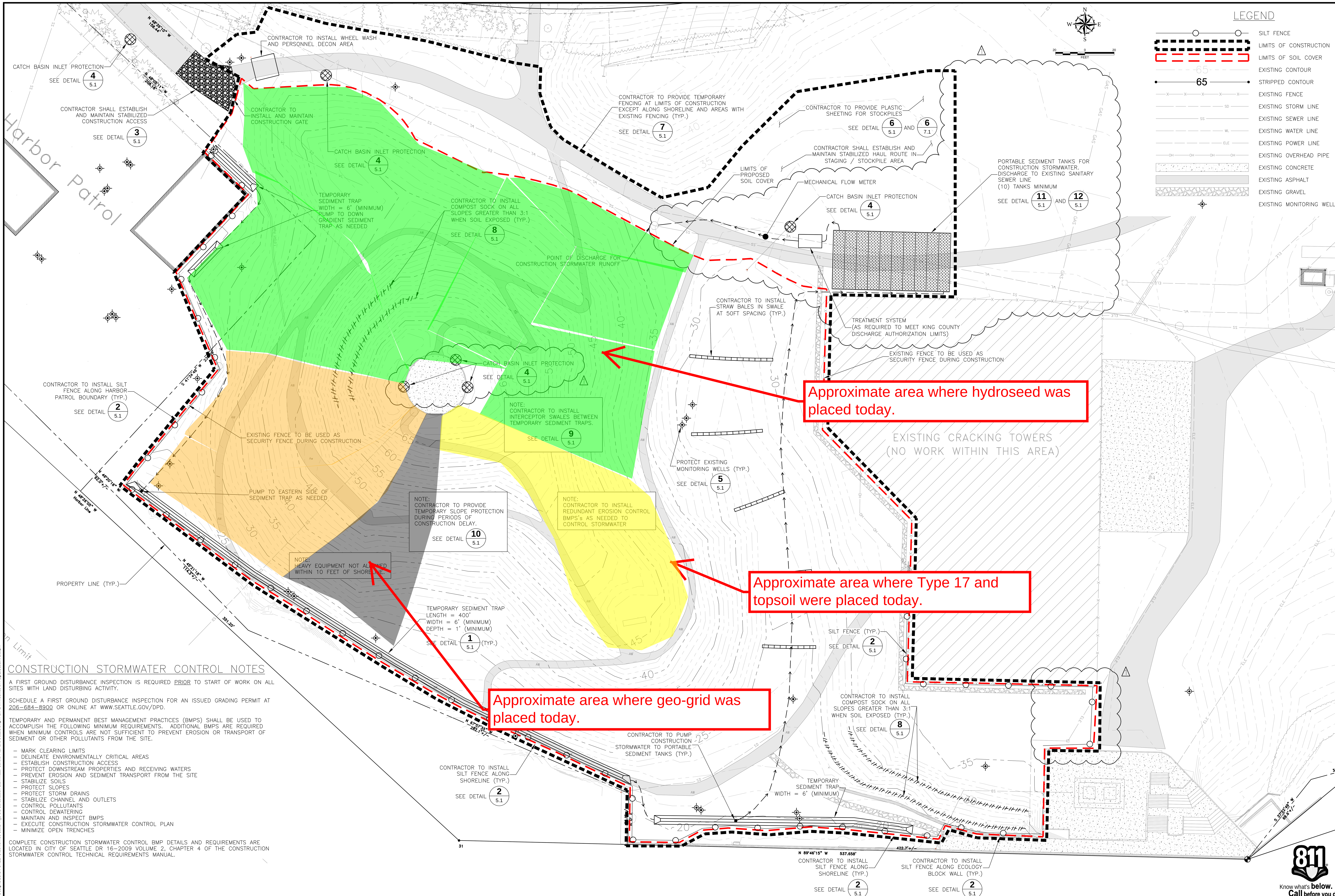
Export:
- None.

Import:
- None.

No import/export today. Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Grading the south side of kite hill in preparation for the placement of geo-grid. Geo-grid placed on south side of hill. Type 17 and topsoil placed in the southeast quadrant of the hill near the benches. The attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.


Approximate area where hydroseed was placed today.
Approximate area where Type 17 and topsoil were placed today.
Approximate area where geo-grid was placed today.
LEGEND
SILT FENCE
LIMITS OF CONSTRUCTION
LIMITS OF SOIL COVER
EXISTING CONTOUR
STRIPPED CONTOUR
EXISTING FENCE
EXISTING STORM LINE
EXISTING SEWER LINE
EXISTING WATER LINE
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CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1
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PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1
TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED
CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1
POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF
CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)
TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1
NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1
EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)
PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1
PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED
NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1
NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS AS NEEDED TO CONTROL STORMWATER
NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.
PROPERTY LINE (TYP.)
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CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1
TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)
N 89°46'15" W 537.658'
422.7'+/-
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1
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Know what's below. Call before you dig.

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REFERENCES		REVISIONS					
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		△	CONFORMED SET	TJM		TML	CLB

Design / Date
Drawn / Date
Checked / Date
Approved / Date

PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/6/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-35
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

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Dan Reynolds (DR) – Wyser Construction

General Contractor Equipment:

John Deere: 135D track excavator, 35D track excavator, 410 tractor with tiller, 544K front loader
Kubota KX 161-3 track excavator
Bobcat 763 forklift
Case 450CT skid steer with front loader and Bobcat tiller
Water Truck
Decontamination Trailer
Solo Truck (~15 yard capacity)
MST-2000 dump truck
iC45 dump truck
650HLt bulldozer
Ingersoll Rand 70roller/compactor

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

O **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** 10-6-2014
X **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** Shashi Shankar	**DATE** 10-20-2014

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

Health and Safety:
Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work grading at the south side of kite hill in preparation for the placement of geo-grid.

~0930. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 on south side of kite hill. On-going import of Type 17.

~1130. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 on south side of kite hill. On-going import of Type 17.

~1330. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 and topsoil on south side of kite hill. On-going import of Type 17.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of three monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:

    - DustTrak file Manual_119 (0930) – Min (0.018 mg/m^3), Max (0.997 mg/m^3), Average (0.151 mg/m^3).
    - DustTrak file Manual_120 (1130) – Min (0.032 mg/m^3), Max (2.110 mg/m^3), Average (0.363 mg/m^3).
    - DustTrak file Manual_121 (1317) – Min (0.017 mg/m^3), Max (1.370 mg/m^3), Average (0.159 mg/m^3).

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today. Last night's rain event was very light and did not cause a discharge from the site.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: mostly sunny, low 60s.

Afternoon: sunny, mid 70s.

Truck Log:

Export:

- None.

Import:

- Type 17: 11 loads of Type 17 equaling 168.43 tons were imported to the site. A total of 3,408.08 tons of Type 17 has been imported onto the site as of today.

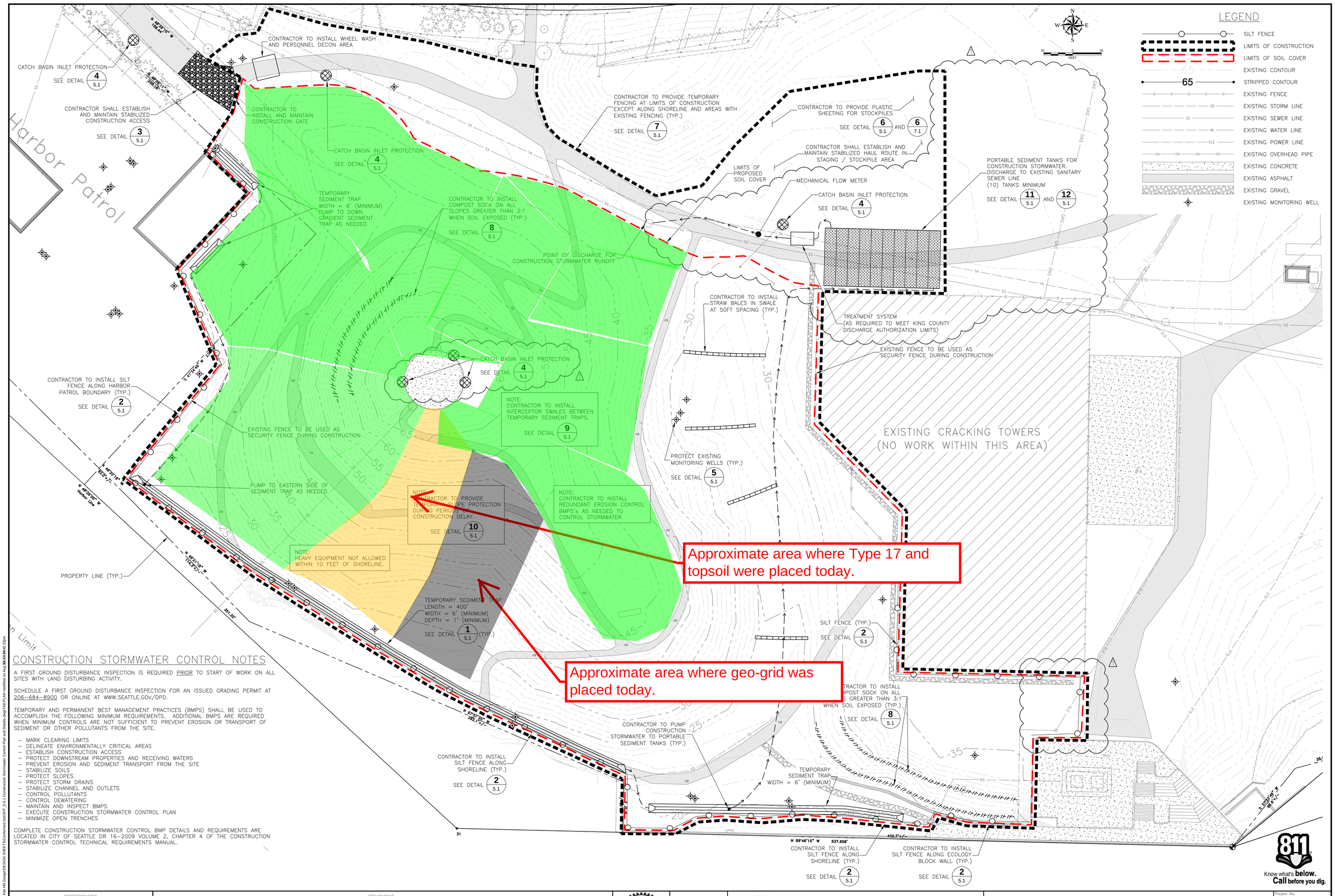
- Topsoil: None.

- Crushed Rock (base course): None.

Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Grading the south side of kite hill in preparation for the placement of geo-grid. Geo-grid placed on south side of hill. Type 17 and topsoil placed on the south side of the hill. Continued import of Type 17. The attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

811 Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BALLE — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design Date | Drawn Date | Checked Date | Approved Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 30, 2012 by JMX at 2:33pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/7/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-36
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work grading at the south side of kite hill in preparation for the placement of geo-grid and soil cap.

	FIELD REPRESENTATIVE	DATE
O **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	10-7-2014
X **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** Shashi Shankar	**DATE** 02-05-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 and topsoil on south side of kite hill. On-going import of Type 17 and topsoil.

~1130. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 on south side of kite hill. On-going import of Type 17 and topsoil.

~1330. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 and topsoil on south side of kite hill. On-going import of Type 17 and topsoil.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of one monitoring event occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:
    - DustTrak file Manual_122 (1326) – Min (0.020 mg/m^3), Max (0.659 mg/m^3), Average (0.113 mg/m^3).
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

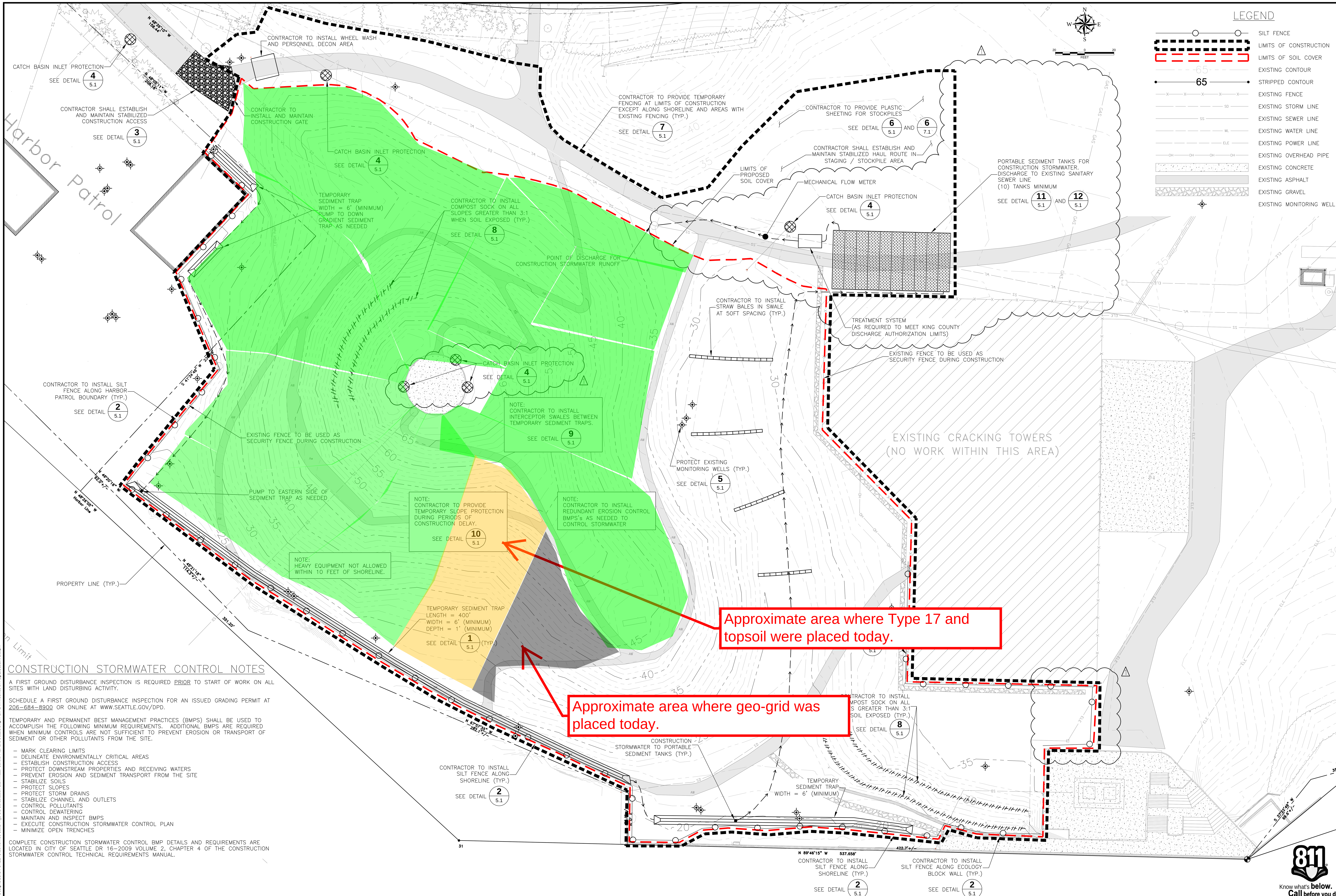
Weather Conditions:
Morning: mostly sunny, low 60s.

Afternoon: sunny, mid 60s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Weekly meeting attendees.

Field Report Summary:
Today's activities: Grading the south side of kite hill in preparation for the placement of geo-grid and soil cap materials. Geo-grid placed on south side of hill. Type 17 and topsoil placed on the south side of the hill. Continued import of Type 17 and topsoil. The attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



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REFERENCES		REVISIONS						
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.
		1	CONFORMED SET	TJM		TML	CLB	

PUGET SOUND ENERGY

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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/8/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-37
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work grading at the south side of kite hill in preparation for the placement of geo-grid and soil cap.

	FIELD REPRESENTATIVE	DATE
O **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	10-8-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0900. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 and topsoil on south side of kite hill. On-going import of Type 17 and topsoil.

~1130. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 on south side of kite hill. On-going import of Type 17 and topsoil.

~1420. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 and topsoil on south side of kite hill. On-going import of Type 17 and topsoil.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of two monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:
    - DustTrak file Manual_123 (0856) – Min (0.042 mg/m^3), Max (0.093 mg/m^3), Average (0.062 mg/m^3).
    - DustTrak file Manual_124 (1421) – Min (0.010 mg/m^3), Max (0.072 mg/m^3), Average (0.030 mg/m^3).
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

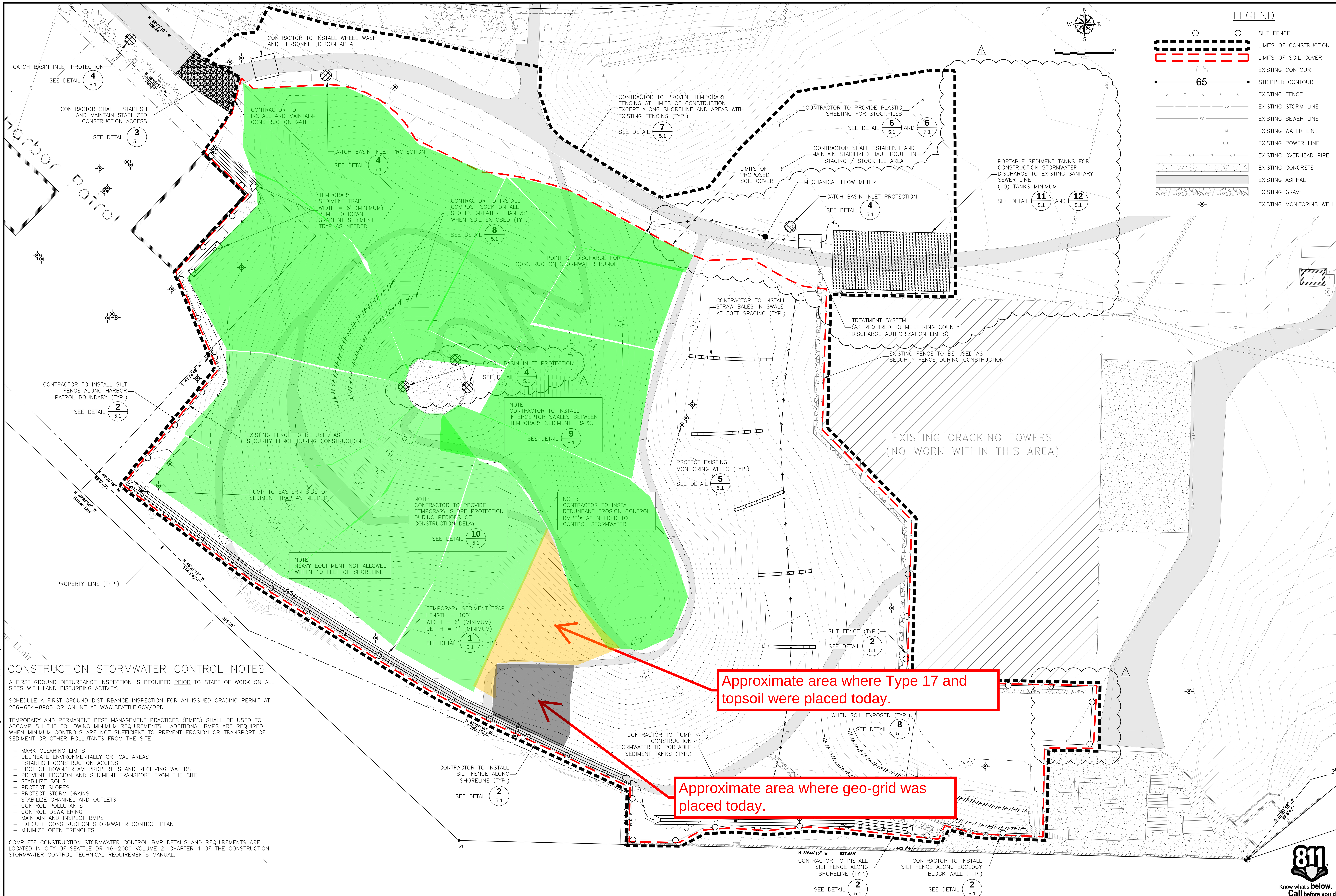
Weather Conditions:
Morning: overcast, low 60s.

Afternoon: partly sunny, high 60s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Grading the south side of kite hill in preparation for the placement of geo-grid and soil cap materials. Geo-grid placed on south side of hill. Type 17 and topsoil placed on the south side of the hill. Continued import of Type 17 and topsoil. The attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.


LEGEND
SILT FENCE
LIMITS OF CONSTRUCTION
LIMITS OF SOIL COVER
EXISTING CONTOUR
STRIPPED CONTOUR
EXISTING FENCE
EXISTING STORM LINE
EXISTING SEWER LINE
EXISTING WATER LINE
EXISTING POWER LINE
EXISTING OVERHEAD PIPE
EXISTING CONCRETE
EXISTING ASPHALT
EXISTING GRAVEL
EXISTING MONITORING WELL
Harbor Patrol
CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1
CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA
CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE
CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1
TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED
CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1
POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF
CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1
CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES SEE DETAIL 6 5.1 AND 6 7.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA
LIMITS OF PROPOSED SOIL COVER
MECHANICAL FLOW METER
CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1
PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1
CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)
TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1
NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1
CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)
PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1
PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED
NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1
NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER
NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.
PROPERTY LINE (TYP.)
TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)
SILT FENCE (TYP.) SEE DETAIL 2 5.1
Approximate area where Type 17 and topsoil were placed today.
WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1
CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1
Approximate area where geo-grid was placed today.
N 89°46'15" W 537.658'
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1
CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1
Know what's below. Call before you dig.

CONSTRUCTION STORMWATER CONTROL NOTES

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REFERENCES	
DRAWING NUMBER	REFERENCE DRAWING TITLE

NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
△	CONFORMED SET	TJM		TML	CLB

Design Date
Drawn Date
Checked Date
Approved Date

PUGET SOUND ENERGY

GEOENGINEERS
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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/9/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-38
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1630	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

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Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

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Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work grading at the south side of kite hill in preparation for the placement of geo-grid and soil cap.

	FIELD REPRESENTATIVE	DATE
O **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	10-9-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0915. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be from the north-northwest at approximately 3 mph. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 and topsoil on south side of kite hill. On-going import of Type 17 and topsoil.

~1106. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be from the north-northeast at approximately 5 mph. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 and placement of topsoil on south side of kite hill. On-going import of Type 17 and topsoil.

~1300. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be from the south at approximately 3 mph. On-going grading at the south side of kite hill. Ongoing placement and compaction of Type 17 and placement of topsoil on south side of kite hill. On-going import of Type 17 and topsoil.

~1415. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. On-going grading at the south side of kite hill. The wind was noted to be from the west at approximately 5 mph. Ongoing placement and compaction of Type 17 and topsoil on south side of kite hill. On-going import of Type 17 and topsoil.

~1615. Wyser began putting equipment away and wrapping up for the day.

~1630. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of four monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:

    - DustTrak file Manual_125 (0915) – Min (0.018 mg/m^3), Max (0.095 mg/m^3), Average (0.057 mg/m^3).
    - DustTrak file Manual_126 (1106) – Min (0.015 mg/m^3), Max (0.377 mg/m^3), Average (0.063 mg/m^3).
    - DustTrak file Manual_127 (1254) – Min (0.022 mg/m^3), Max (0.977 mg/m^3), Average (0.232 mg/m^3).
    - DustTrak file Manual_128 (1416) – Min (0.019 mg/m^3), Max (0.569 mg/m^3), Average (0.137 mg/m^3).

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

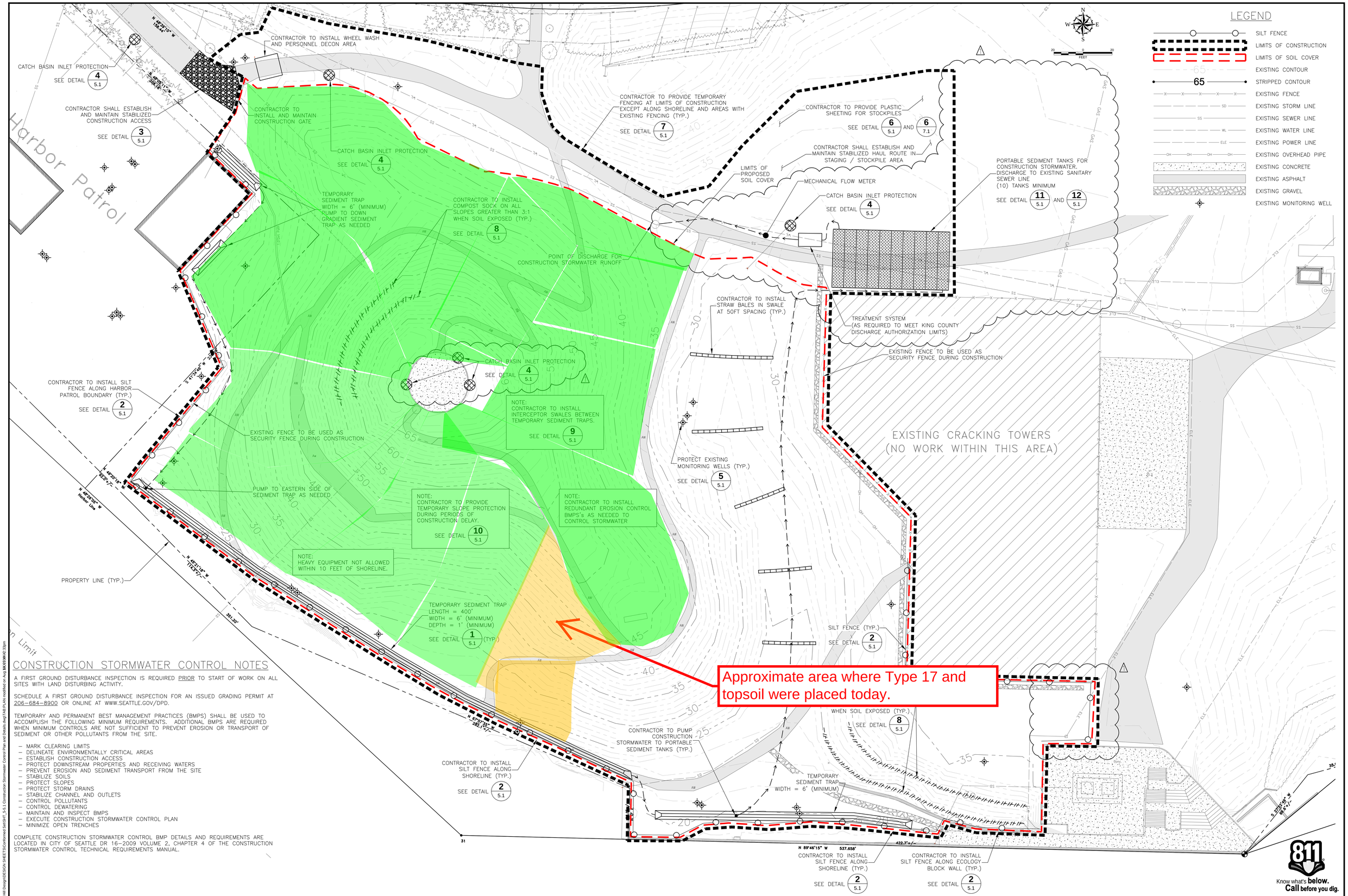
Weather Conditions:
Morning: overcast, low 60s.

Afternoon: partly sunny, mid 60s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Grading the south side of kite hill in preparation for the placement of geo-grid and soil cap materials. Geo-grid placed on south side of hill. Type 17 and topsoil placed on the south side of the hill. Continued import of Type 17 and topsoil. The attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 18,2023@2:23pm

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/10/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-39
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1800	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work grading at the south side of kite hill in preparation for hydroseeding next week.

	FIELD REPRESENTATIVE	DATE
O **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	10-10-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~1000. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be from the southeast at approximately 2 mph. On-going grading at the south side of kite hill. Ongoing placement of topsoil south side of kite hill. On-going import of Type 17 and topsoil.

~1300. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be from the south-southeast at approximately 5 mph. On-going grading at the south side of kite hill. Ongoing placement of topsoil south side of kite hill. On-going import of Type 17 and topsoil.

~1430. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be from the southeast at approximately 4 mph. On-going grading at the south side of kite hill. Ongoing placement of topsoil south side of kite hill. On-going import of Type 17 and topsoil.

~1600. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. On-going grading at the south side of kite hill. The wind was noted to be from the southeast at approximately 4 mph. Ongoing placement and compaction of Type 17 and topsoil on south side of kite hill. On-going import of Type 17 and topsoil.

~1745. Wyser began putting equipment away and wrapping up for the day.

~1800. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of four monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:

    - DustTrak file Manual_129 (1001) – Min (0.029 mg/m^3), Max (1.310 mg/m^3), Average (0.210 mg/m^3).
    - DustTrak file Manual_130 (1255 – Min (0.017 mg/m^3), Max (0.311 mg/m^3), Average (0.122 mg/m^3).
    - DustTrak file Manual_131 (1430) – Min (0.016 mg/m^3), Max (0.327 mg/m^3), Average (0.112 mg/m^3).
    - DustTrak file Manual_132 (1601) – Min (0.032 mg/m^3), Max (0.328 mg/m^3), Average (0.136 mg/m^3).

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: The weekly CESCL inspection occurred today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

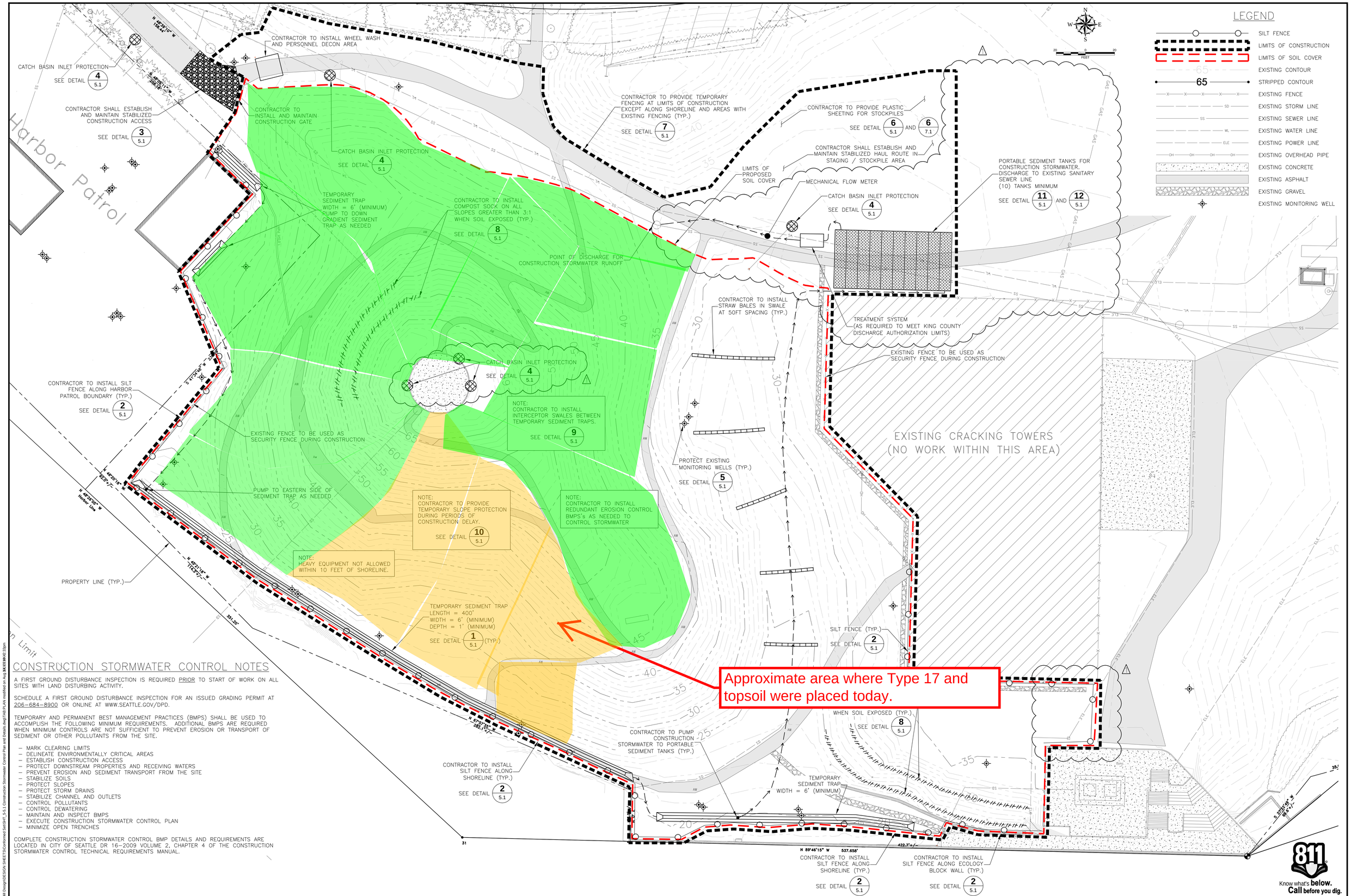
Weather Conditions:
Morning: overcast, low 60s.

Afternoon: partly sunny, mid 60s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Fine grading the south side of kite hill in preparation for hydroseeding next week. Type 17 and topsoil placed on the south side of the hill. Continued import of Type 17 and topsoil. The attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

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COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS HALES — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PUGET SOUND ENERGY

GEOENGINEERS
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Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\001CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN, modified on Aug 30, 2023 - 2:33pm

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/13/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-40
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.
Cascade Drilling – Sub-contractor to complete monitoring well abandonment and modifications.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

O **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** 10-13-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0730. Wyser continued the previous day's work grading in the southeast quadrant of kite hill. Cascade Drilling (Curtis Askew) on site to decommission monitor well PZ-4 and begin adjusting existing monuments at monitor wells to new finish grades.

~0915. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be calm (no wind). On-going grading in the southeast quadrant of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrant of kite hill. Country Green Hydroseeding is on site to hydroseed the remainder of Kite Hill.

~0930. SLG observes Cascade Drilling decommissioning PZ-4 by drilling out the casing to a depth of approximately 34-feet. On-going grading at the southeast quadrant of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrant of kite hill.

~1015. SLG observed Cascade Drilling backfill decommissioned well PZ-4 by backfilling it with 12 bags of bentonite chips followed by an approximately 3-foot deep concrete plug to the ground surface. On-going grading in the southeast quadrant of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrant of kite hill.

~1140. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be out of the south-southwest at 2mph. On-going grading in the southeast quadrant of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrant of kite hill.

~1315. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be out of the southwest at 5mph. On-going grading in the southeast quadrant of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrant of kite hill.

~1445. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The wind was noted to be calm (no wind). On-going grading in the southeast quadrant of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrant of kite hill.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of four monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:

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    - DustTrak file Manual_130 (1255 – Min (0.017 mg/m^3), Max (0.311 mg/m^3), Average (0.122 mg/m^3).
    - DustTrak file Manual_131 (1430) – Min (0.016 mg/m^3), Max (0.327 mg/m^3), Average (0.112 mg/m^3).
    - DustTrak file Manual_132 (1601) – Min (0.032 mg/m^3), Max (0.328 mg/m^3), Average (0.136 mg/m^3).

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: sunny, low 60s.

Afternoon: sunny, ~70.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:

None

Field Report Summary:

Today's activities: Grading the subgrade in the southeast quadrant of kite hill. Type 17 and topsoil placed in the southeast quadrant of the hill. Continued placement of geo-grid. Decommissioned monitoring well PZ-4. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.

CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1

CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF

CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1

CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES SEE DETAIL 6 5.1 AND 6 7.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA

LIMITS OF PROPOSED SOIL COVER

MECHANICAL FLOW METER

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1

CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)

TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED

NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1

NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER

NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.

PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1

EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)

PROPERTY LINE (TYP.)

TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)

CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)

SILT FENCE (TYP.) SEE DETAIL 2 5.1

Approximate area where Type 17 and topsoil were placed today.

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1

Harbor Patrol

Limit

CONSTRUCTION STORMWATER CONTROL NOTES

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SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

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- MARK CLEARING LIMITS
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COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- STRIPPED CONTOUR
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- EXISTING MONITORING WELL

Know what's below. Call before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design Date
Drawn Date
Checked Date
Approved Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB:PLAN modified on Aug 31,2023@2:23pm

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/14/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-41
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work grading in the southeast quadrant and at the south end of the swale east of kite hill.

	FIELD REPRESENTATIVE	DATE
O **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	10-14-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0915. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrantand in the swale east of kite hill. Ongoing installation of irrigation system east of kite hill.

~0930. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrantand in the swale east of kite hill. Contractor begins stripping steep slope behind the block wall south of the Cracking Tower.

~1130. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrantand in the swale east of kite hill. Ongoing installation of irrigation system east of kite hill.

~1330. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrantand in the swale east of kite hill. Ongoing installation of irrigation system east of kite hill.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as the ground was still moist from the rain received overnight.

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: sunny, low 60s.

Afternoon: sunny, ~70.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Weekly meeting attendees.

Field Report Summary:
Today's activities: Grading the subgrade in the southeast quadrant and in the swale southeast of kite hill. Type 17 and topsoil placed in the southeast quadrant and in the swale east of the hill. Continued placement of geo-grid. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.

CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1

CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF

CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1

CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES SEE DETAIL 6 5.1 AND 6 7.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA

LIMITS OF PROPOSED SOIL COVER

MECHANICAL FLOW METER

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1

CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)

TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED

NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1

NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER

NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.

PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1

EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)

Approximate area where Type 17 and topsoil were placed today.

Approximate area stripped of vegetation today.

SILT FENCE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)

CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)

TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1

PROPERTY LINE (TYP.)

Harbor Patrol

LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- STRIPPED CONTOUR
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- EXISTING MONITORING WELL

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

811 Know what's below. Call before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB:PLAN modified on Aug 18,2023@2:23pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/15/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-42
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
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Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work grading in the southeast quadrant and in the swale area east of kite hill.

	FIELD REPRESENTATIVE	DATE
O **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	10-15-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrantand in the swale east of kite hill. Ongoing import of Type 17 and topsoil.

~1130. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrantand in the swale east of kite hill. Ongoing installation of irrigation system east of kite hill.

~1330. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrantand in the swale east of kite hill. Ongoing installation of irrigation system east of kite hill.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: overcat, rain, low 50s.

Afternoon: overcast, rain, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Grading the subgrade in the southeast quadrant and in the swale southeast of kite hill. Type 17 and topsoil placed in the southeast quadrant and in the swale east of the hill. Continued placement of geo-grid. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.

CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1

CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF

CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1

CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES SEE DETAIL 6 5.1 AND 6 7.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA

LIMITS OF PROPOSED SOIL COVER

MECHANICAL FLOW METER

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1

CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)

TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1

EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)

PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED

NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1

NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER

NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.

Approximate area where Type 17 and topsoil were placed today.

PROPERTY LINE (TYP.)

TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)

CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)

SILT FENCE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1

LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- STRIPPED CONTOUR
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
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- EXISTING ASPHALT
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CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

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		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 23, 2023 by JKC at 2:33pm

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/16/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-43
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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

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~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

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	FIELD REPRESENTATIVE	DATE
O **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	10-16-2014
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Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going grading in the southeast quadrant and in the swale east of kite hill. Grading and placement of geo-grid behind block wall and area south of the Cracking Towef Ongoing placement of Type 17 and topsoil southeast quadrantand in the swale east of kite hill. Ongoing import of Type 17 and topsoil.

~1130. On-going grading in the southeast quadrant and in the swale east of kite hill. Grading and placement of geo-grid behind block wall and area south of the Cracking Towef Ongoing placement of Type 17 and topsoil southeast quadrantand in the swale east of kite hill. Ongoing import of Type 17 and topsoil.

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- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

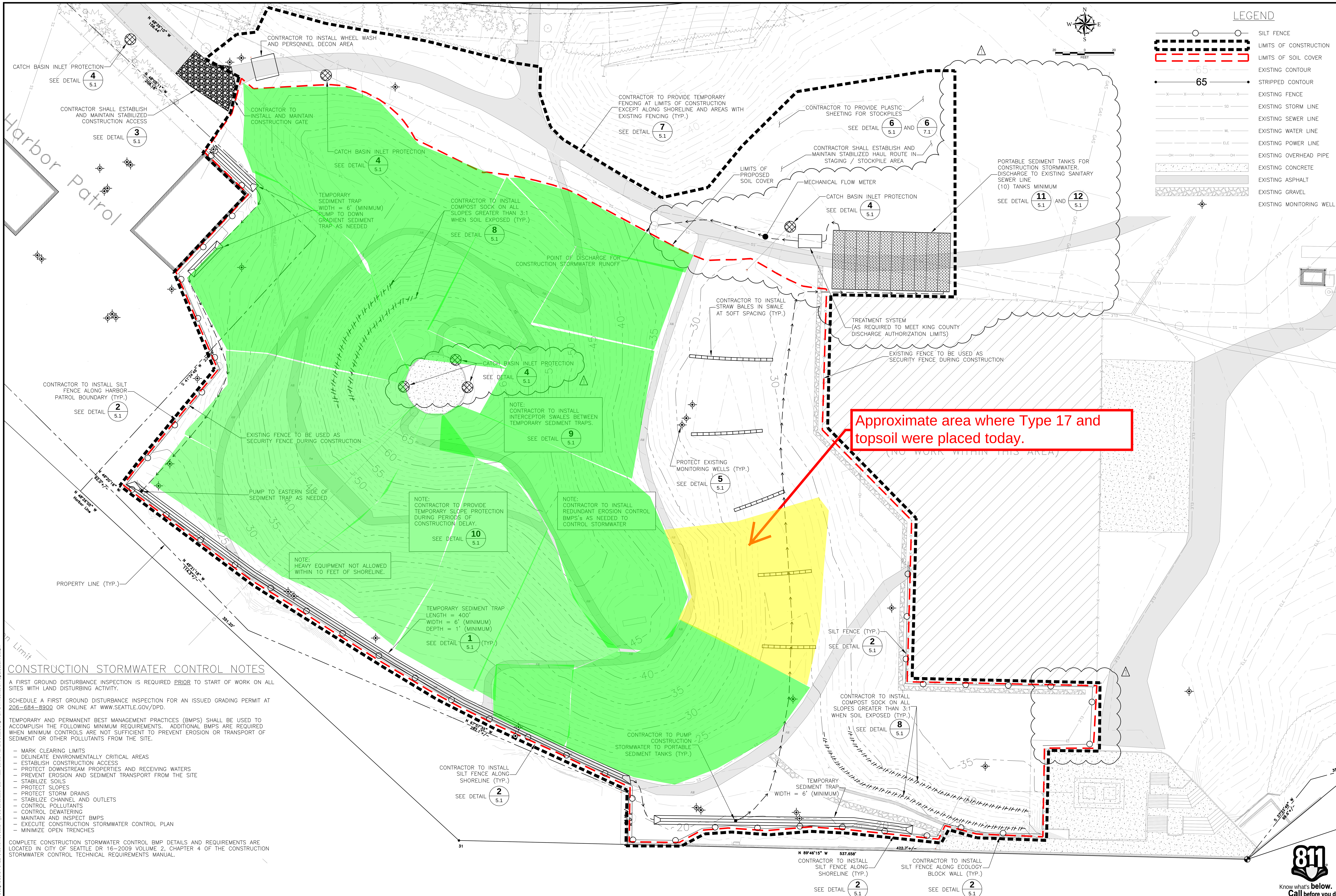
Weather Conditions:
Morning: overcat, low 50s.

Afternoon: sunny, ~70.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Libby Goldstein

Field Report Summary:
Today's activities: Grading the subgrade in the area south of the cracking towers. Type 17 and topsoil placed in the southeast quadrant and in the swale east of the hill. Continued placement of geo-grid. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



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- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
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- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
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- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

REFERENCES		REVISIONS												
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		△	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAILEY — STATE OF WASHINGTON — 39963 REGISTERED PROFESSIONAL ENGINEER

Design / Date
Drawn / Date
Checked / Date
Approved / Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/17/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-44
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work grading in the southeast quadrant and in the swale area east of kite hill.

	FIELD REPRESENTATIVE	DATE
O **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	10-17-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrant and in the swale east of kite hill. Placement of topsoil south of the cracking tower. Ongoing import of Type 17 and topsoil.

~1130. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrant and in the swale east of kite hill. Placement of topsoil south of the cracking tower. Ongoing import of Type 17 and topsoil.

~1330. On-going grading in the southeast quadrant and in the swale east of kite hill. Ongoing placement of Type 17 and topsoil southeast quadrant and in the swale east of kite hill. Placement of topsoil south of the cracking tower. Ongoing import of Type 17 and topsoil.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as in was raining and dust was not a concern.
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: The weekly CESCL inspection occurred today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: overcat, rain, low 50s.

Afternoon: overcast, rain, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Grading the subgrade in the swale area east of kite hill. Type 17 and topsoil placed in the southeast quadrant and in the swale east of the hill. Placement of topsoil south of the cracking towers. Continued placement of geo-grid. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.

CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1

CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) RUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED

NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1

NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.

NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER

PROPERTY LINE (TYP.)

TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)

CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1

CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES SEE DETAIL 6 5.1 AND 6 7.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA

LIMITS OF PROPOSED SOIL COVER

MECHANICAL FLOW METER

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1

CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)

TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1

(NO WORK WITHIN THIS AREA)

Approximate area where Type 17 and topsoil were placed today.

SILT FENCE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1

LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- STRIPPED CONTOUR
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- EXISTING MONITORING WELL

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
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COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

Know what's below. Call before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\01\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 31, 2023 09:23pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/20/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-45
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work placing topsoil south of the cracking towers.

	FIELD REPRESENTATIVE	DATE
O **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	10-20-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placement of topsoil south of the cracking tower. Ongoing import topsoil. Continued installation of the irrigation system.

~1130. On-going Placement of topsoil south of the cracking tower. Ongoing import of topsoil. On-going installation of the irrigation system.

~1330. On-going placement of topsoil south of the cracking tower. Ongoing import of topsoil. On-going installation of the irrigation system.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

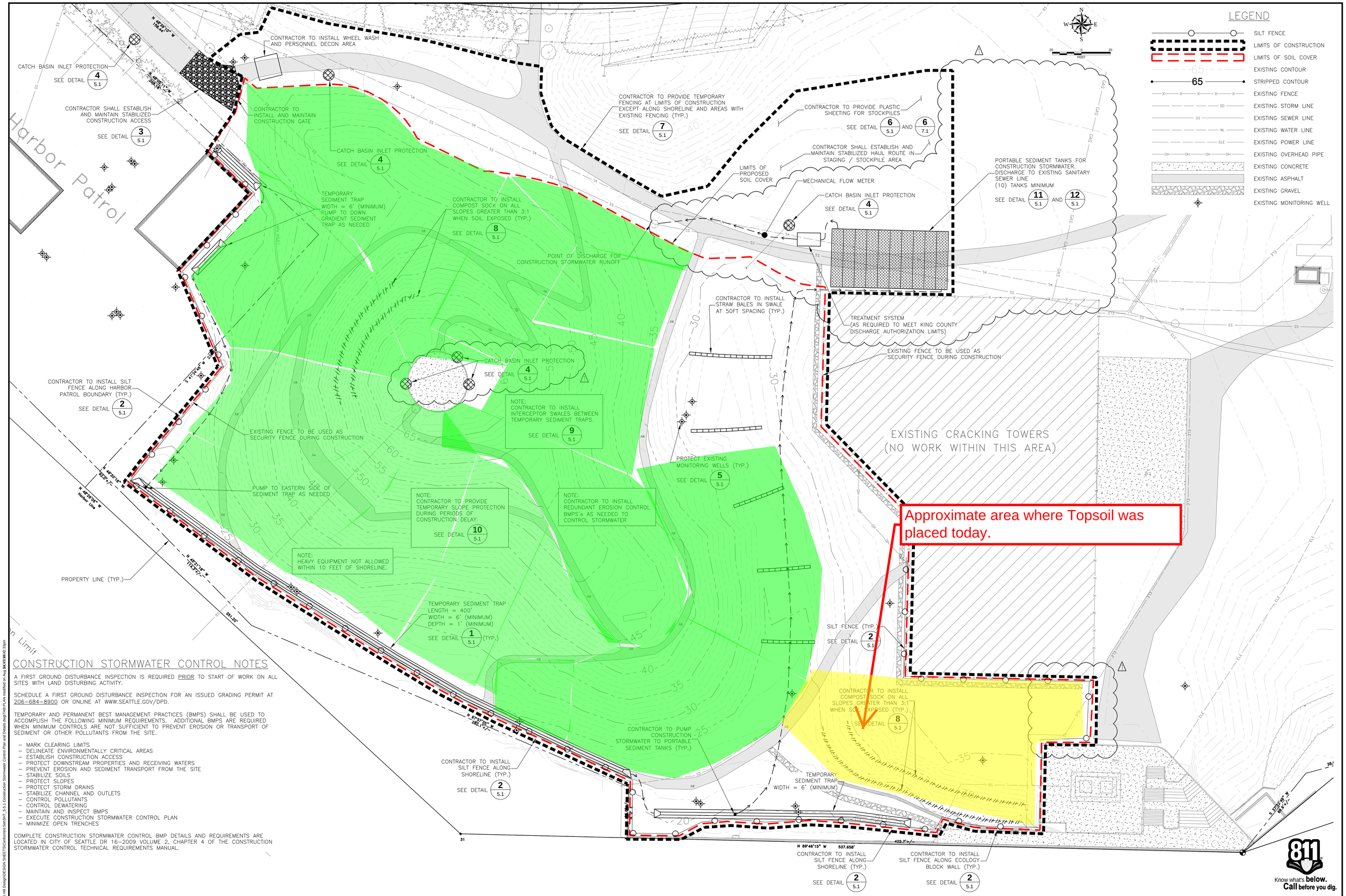
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: overcast, mid 60s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Shawn Dove and Mario Silva, State Department of Labor and Industries. Josh Roden, Pacific Topsoils, Inc.

Field Report Summary:
Today's activities: Placement of topsoil south of the cracking towers. Placing and compacting crushed rock for path from top of hill to benches. Irrigation installation. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

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REFERENCES		REVISIONS											
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		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0\0186846\0\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB:PLAN modified on Aug 30,2023@09:02:33pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/21/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-46
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

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General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work placing topsoil in the southeast quadrant and the swale area east of of Kite Hill.

	FIELD REPRESENTATIVE	DATE
O **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	10-21-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placement of topsoil in the southeast quadrant and the swale area east of Kite Hill. Continued installation of the irrigation system.

~1130. On-going placement of topsoil in the southeast quadrant and the swale area east of Kite Hill. On-going installation of the irrigation system.

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- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
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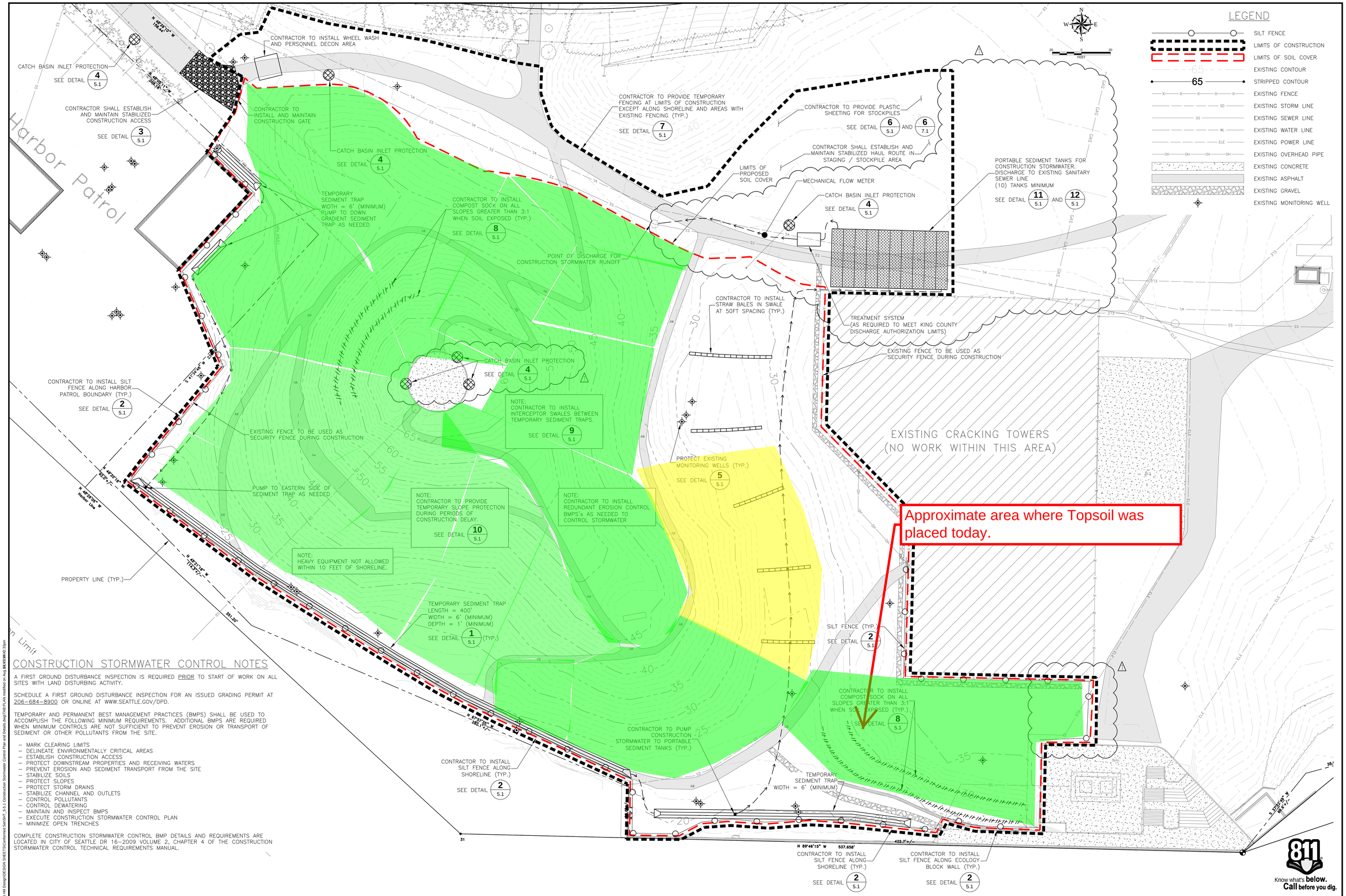
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: overcast, mid 60s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Weekly meeting attendees.

Field Report Summary:
Today's activities: Placement of topsoil south of the cracking towers. Placing and compacting crushed rock for path from top of hill to benches. Irrigation installation. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

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CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\01\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 30, 2023 09:23pm

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/22/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-47
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1100	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work placing type 17 in the southeast quadrant and the swale area east of of Kite Hill.

	FIELD REPRESENTATIVE	DATE
O **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	10-22-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placement of type 17 in the southeast quadrant and the swale area east of Kite Hill. Continued installation of the irrigation system.

~1030. Heavy rains make it too wet for the contractor to work, Wyser began putting equipment away and wrapping up for the day. Fortified their BMP's for the storm event today.

~1100. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: A CESCL inspection occurred today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

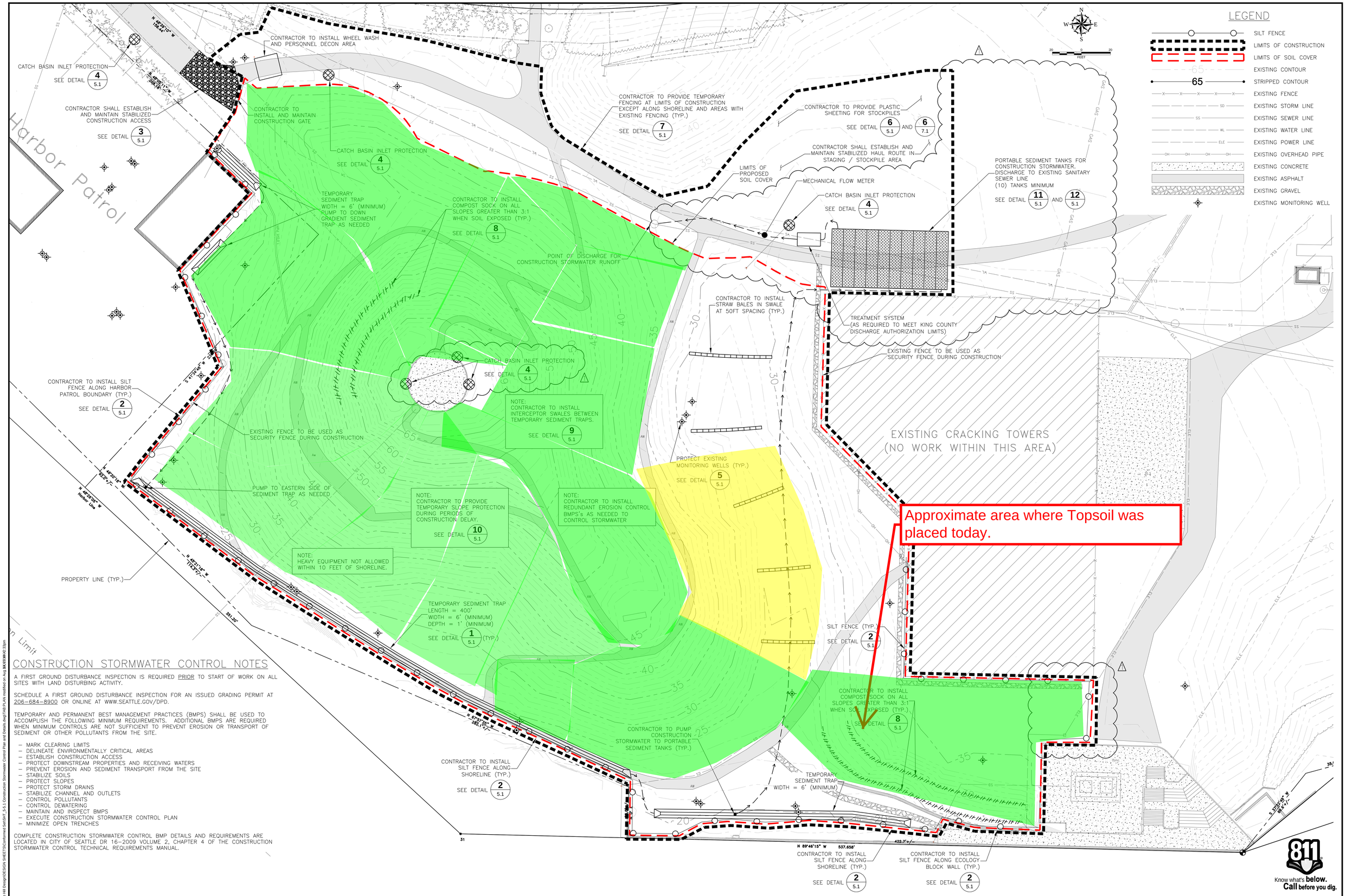
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: N/A

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None.

Field Report Summary:
Today's activities: Placement of type 17 in the southeast quadrant and in the swale. Placing and compacting crushed rock for path from top of hill to benches. Irrigation installation. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS												
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\01\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 30, 2023 09:23pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/23/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-48
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
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Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work placing type 17 and topsoil in the southeast quadrant and the swale area east of of Kite Hill.

	FIELD REPRESENTATIVE	DATE
O **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	10-23-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placement of type 17 and topsoil in the southeast quadrant and the swale area east of Kite Hill. Continued installation of the irrigation system. On-going import of Type 17.

~1130. On-going placement of type 17 and topsoil in the southeast quadrant and the swale area east of Kite Hill. On-going installation of the irrigation system. On-going import of Type 17.

~1330. On-going placement of type 17 and topsoil in the southeast quadrant and the swale area east of Kite Hill. Ongoing import of type 17. On-going installation of the irrigation system.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: A CESCL inspection occurred today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

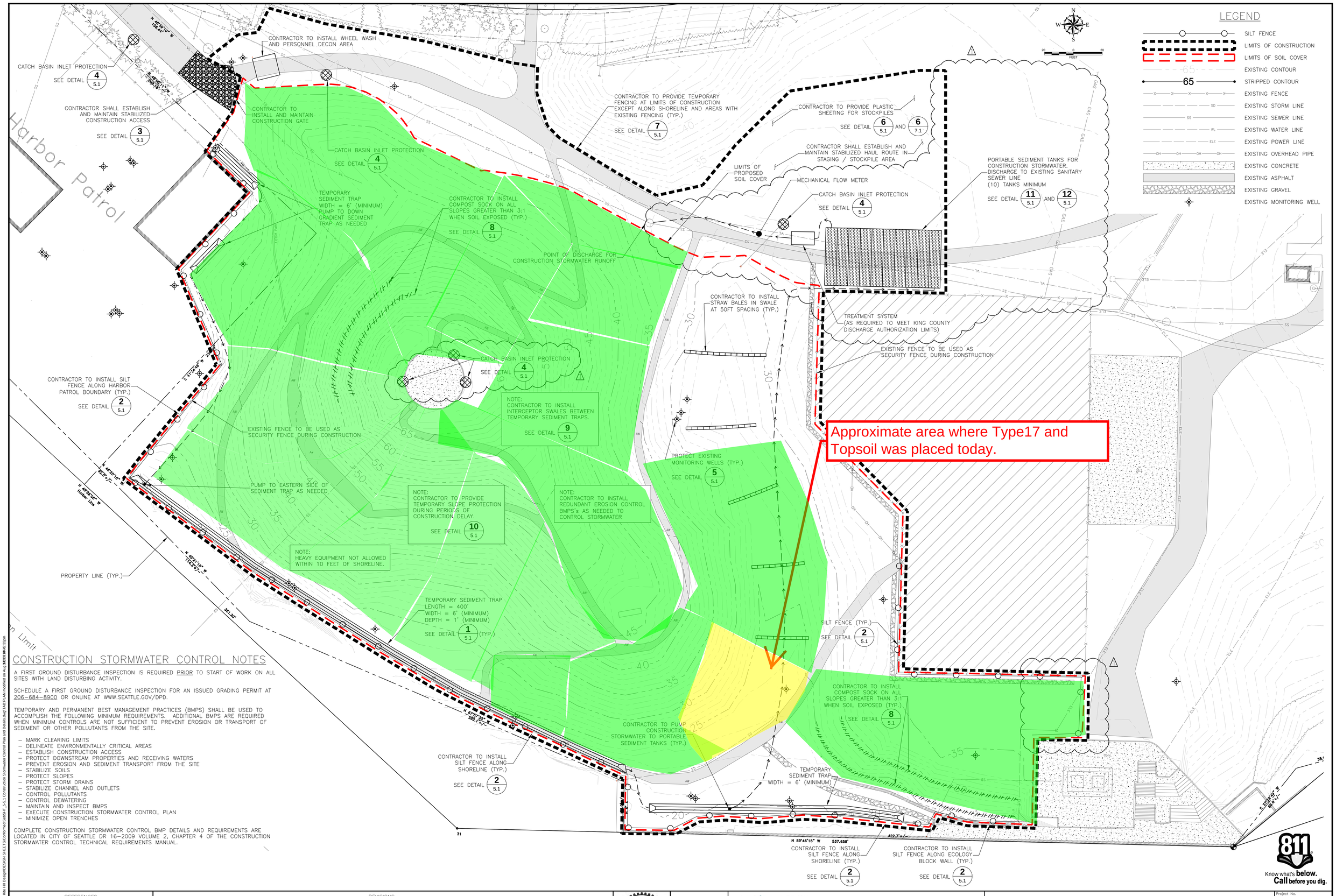
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: partly sunny, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None.

Field Report Summary:
Today's activities: Placement of type 17 and topsoil in the southeast quadrant and in the swale east of Kite Hill. Placing and compacting crushed rock for path in the southwest quadrant. Irrigation installation. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

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- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
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- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
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- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

REFERENCES		REVISIONS										
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37063 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

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Seattle, WA 98101
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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

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GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

Field Report

File Number: 00186-846-01 Task 1401

Project: Kite Hill Soil Cover Project			Date: 10/24/14
Owner: City of Seattle	Time of Arrival: 0700		Report Number: ENV-49
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

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David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
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Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work placing type 17 and topsoil in the southeast quadrant and the swale area east of Kite Hill. Wyser also continued the path subgrade preparation on the south side of Kite Hill.

	FIELD REPRESENTATIVE	DATE
O **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	10-24-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placement of type 17 and topsoil in the southeast quadrant and the swale area east of Kite Hill. Continued installation of the irrigation system. On-going import of Type 17 and topsoil. Continued the path subgrade preparation on the south side of Kite Hill.

~1130. On-going placement of type 17 and topsoil in the southeast quadrant and the swale area east of Kite Hill. On-going installation of the irrigation system. On-going import of Type 17 and topsoil. Continued the path subgrade preparation on the south side of Kite Hill.

~1330. On-going placement of type 17 and topsoil in the southeast quadrant and the swale area east of Kite Hill. Ongoing import of type 17 and topsoil. On-going installation of the irrigation system. Continued the path subgrade preparation on the south side of Kite Hill.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as the soil was still moist from yesterday and last night's rain and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: A CESCL inspection occurred today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

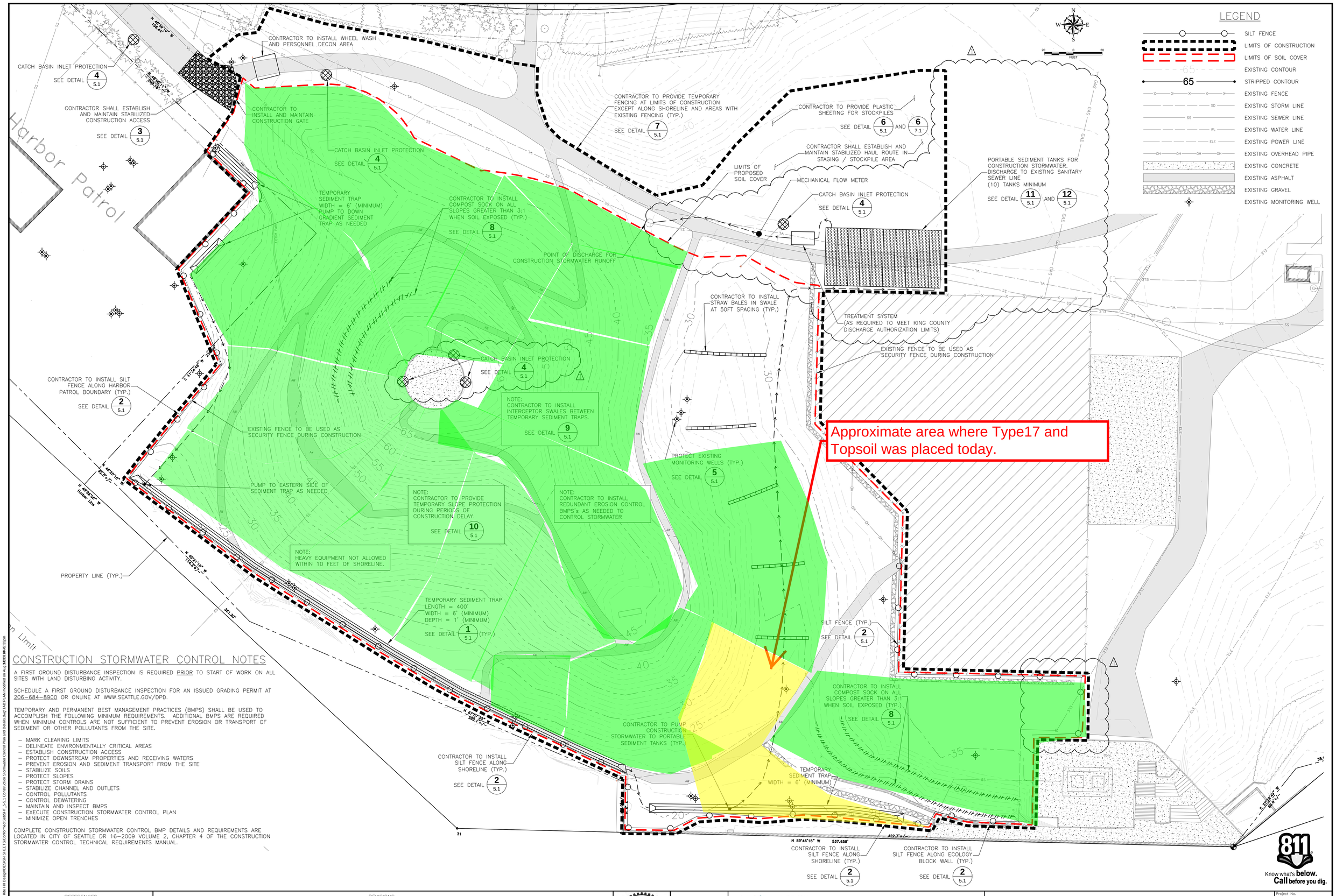
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: partly sunny, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None.

Field Report Summary:
Today's activities: Placement of type 17 and topsoil in the southeast quadrant and in the swale east of Kite Hill. Placing and compacting crushed rock for path on the south side of the hill. Irrigation installation. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

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811 Know what's below. Call before you dig.

REFERENCES		REVISIONS										
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		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37063 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PUGET SOUND ENERGY

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Seattle, WA 98101
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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

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GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/27/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-50
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

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Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued the previous day's work placing type 17 in the swale area east of Kite Hill. The area just south of the cracking towers was fine graded and prepped for the installation of sod tomorrow. Wyser also continued the path subgrade preparation on the west side of the cracking towers.

	FIELD REPRESENTATIVE	DATE
O **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	10-27-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. Continued installation of the irrigation system. On-going import of Type 17. Continued the path subgrade preparation on the west side of the cracking towers.

~1130. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. On-going installation of the irrigation system. On-going import of Type 17. Continued the path subgrade preparation on the west side of the cracking towers.

~1330. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. Ongoing import of type 17. On-going installation of the irrigation system. Continued the path subgrade preparation on the west side of the cracking towers.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as the soil was still moist from yesterday and last night's rain and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

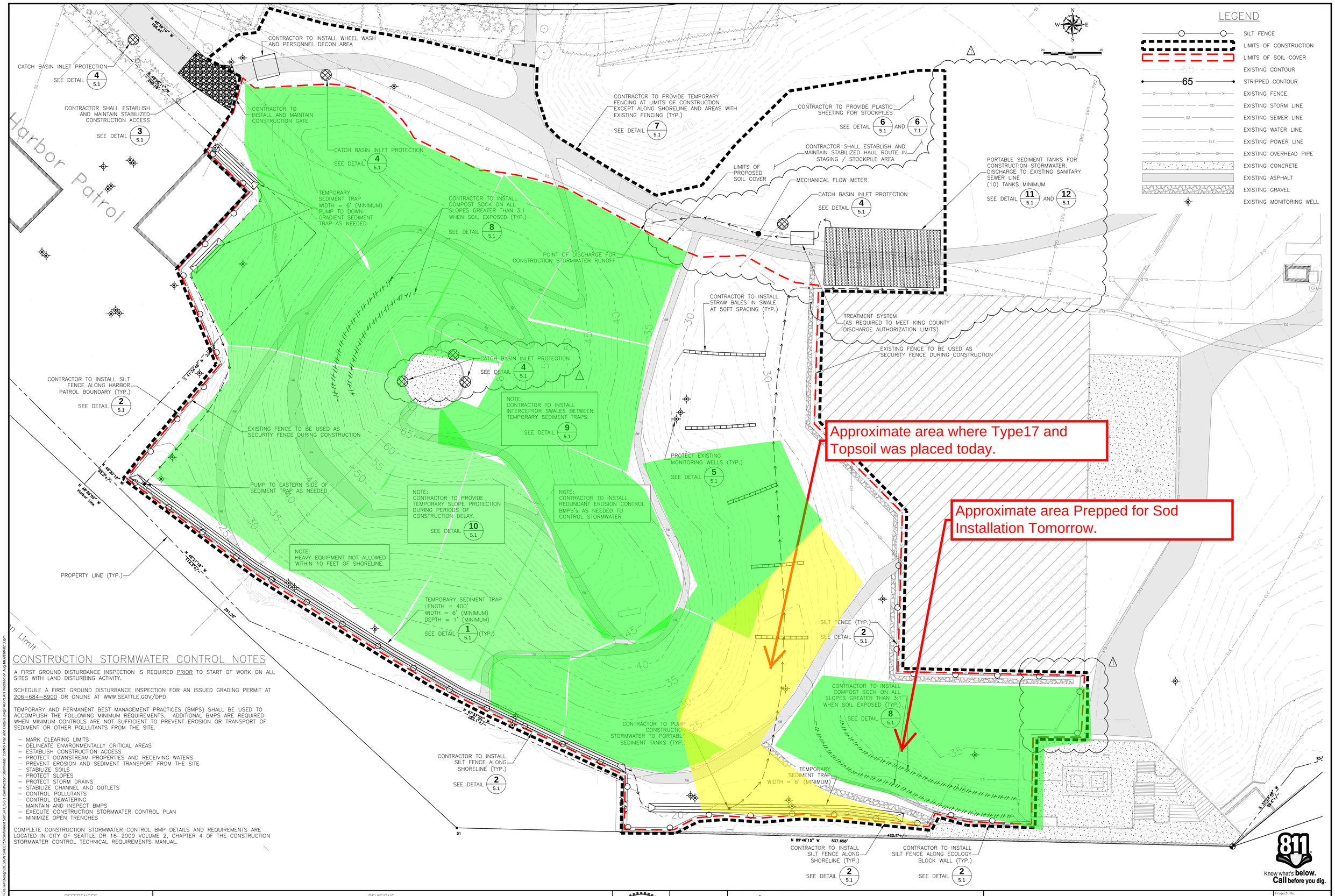
Weather Conditions:
Morning: overcast, low 50s.

Afternoon: partly sunny, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None.

Field Report Summary:
Today's activities: Placement of type 17 and topsoil in the swale east of Kite Hill. Placing and compacting crushed rock for path on the west side of the cracking towers. Irrigation installation. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



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811 Know what's below. Call before you dig.

REFERENCES		REVISIONS										
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37063 — REGISTERED PROFESSIONAL ENGINEER

Design — Date
Drawn — Date
Checked — Date
Approved — Date

PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0\0186846\01\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB:PLAN modified on Aug 30,2023@KCE-33pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/28/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-51
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1430	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser receives sod delivery (~10,000 sq. ft.) and begins laying sod south of the cracking towers.

~0930. On-going sod installation.

	FIELD REPRESENTATIVE	DATE
O **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	10-28-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~1400. Heavy rains make it too wet for the contractor to perform earthwork, All of the sod has been laid. Wyser began putting equipment away and wrapping up for the day. Fortified their BMP's for the storm event today.

~1430. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: overcast, heavy rain, low 50s.

Afternoon: overcast, heavy rain, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Weekly meeting attendees.

Field Report Summary:
Today's activities: Laid 10,000 sq. ft. of sod south of the cracking towers. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.

CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1

CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) RUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF

CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1

CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES SEE DETAIL 6 5.1 AND 6 7.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA

LIMITS OF PROPOSED SOIL COVER

MECHANICAL FLOW METER

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1

CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)

TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED

NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1

NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER

PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1

NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.

PROPERTY LINE (TYP.)

TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)

CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)

SILT FENCE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1

Approximate area where Type17 and Topsoil was placed today.

Installed approximately 10,000 sf of sod in this area.

LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- STRIPPED CONTOUR
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- EXISTING MONITORING WELL

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

811 Know what's below. Call before you dig.

REFERENCES		REVISIONS										
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37063 — REGISTERED PROFESSIONAL ENGINEER

Design Date | Drawn Date | Checked Date | Approved Date

PSE PUGET SOUND ENERGY

GEOENGINEERS 600 Stewart Street, Suite 1700 Seattle, WA 98101 Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01 | Drawing No. 5.0 | Sheet 5 of 13

P:\0\01868460\CADD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB:PLAN modified on Aug 30,2023@09:02:33pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/29/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-52
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued placing type 17 and topsoil in the swale area east of Kite Hill. The area just southwest of the cracking towers was fine graded and prepped for the installation of sod tomorrow. Wyser also continued the path subgrade preparation in the southeast quadrant of the site. On-going import of topsoil.

	FIELD REPRESENTATIVE	DATE
O **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	10-29-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. Continued installation of the irrigation system. On-going import of topsoil. Continued the path subgrade preparation on the west side of the cracking towers.

~1130. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. On-going installation of the irrigation system. On-going import of Type 17. Continued the path subgrade preparation in the southeast quadrant of the site.

~1330. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. Ongoing import of topsoil. On-going installation of the irrigation system. Continued the path subgrade preparation in the southeast quadrant of the site.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as the soil was still moist from yesterday and last night's rain and dust was not a concern.

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

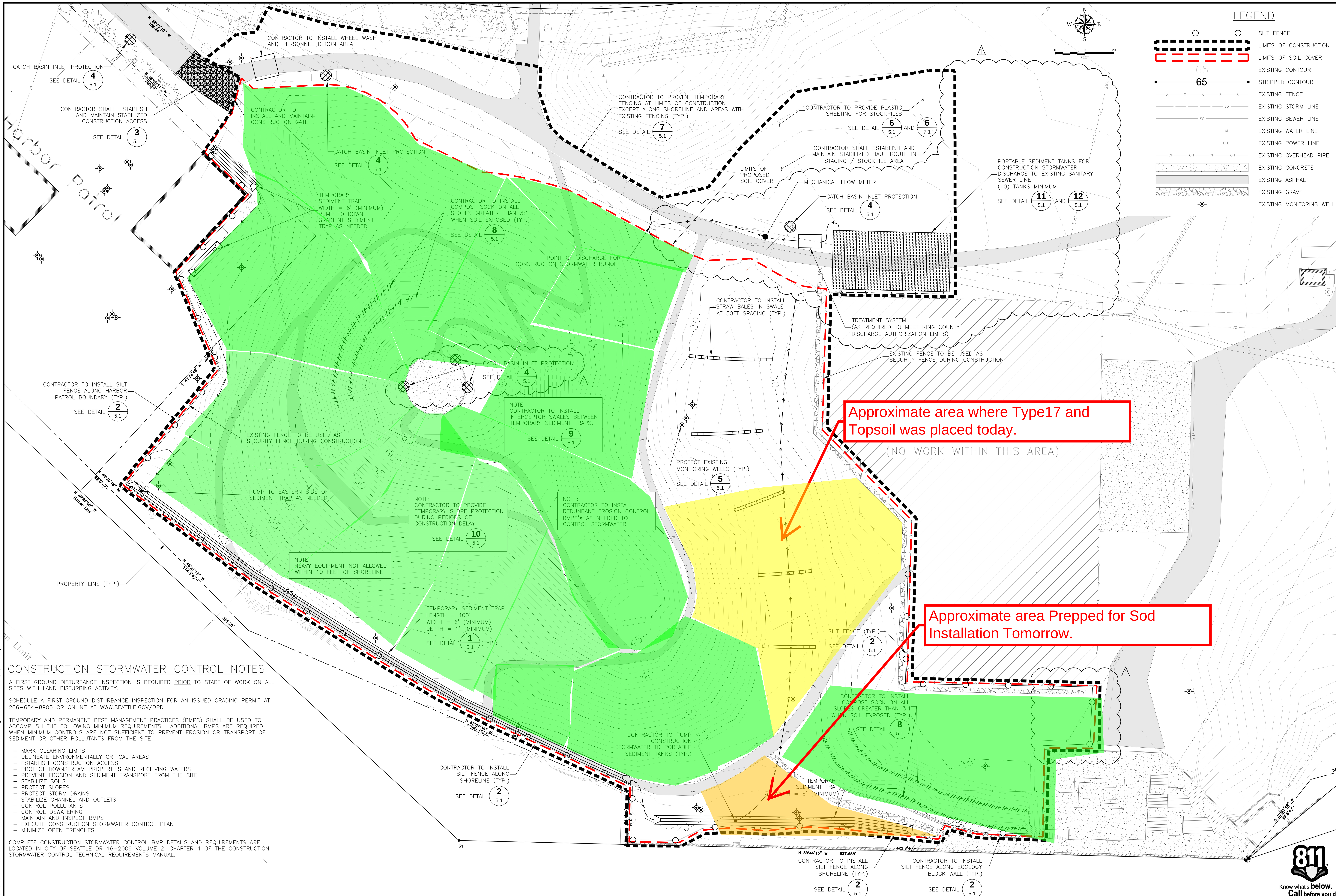
Weather Conditions:
Morning: overcast, low 50s.

Afternoon: partly sunny, low 60s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None.

Field Report Summary:
Today's activities: Placement of type 17 and topsoil in the swale east of Kite Hill. Placing and compacting crushed rock for path in the southeast quadrant of the site. Irrigation installation. Prepping for sod tomorrow. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

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SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206–684–8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16–2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		△	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAILEY, STATE OF WASHINGTON, 39963, REGISTERED PROFESSIONAL ENGINEER

Design / Date — Drawn / Date — Checked / Date — Approved / Date

PSE PUGET SOUND ENERGY

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Telephone (206) 728–2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846–01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/30/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-53
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued placing type 17 and topsoil in the swale area east of Kite Hill. Grading of the north portion of the swale with the excavator. Approximately 10,000 sq, ft. of sod was installed in the area just southwest of the cracking towers. On-going import of type 17.

	FIELD REPRESENTATIVE	DATE
O **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	10-30-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. Continued installation of the irrigation system. On-going import of type 17. Continued laying sod.

~1130. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. On-going installation of the irrigation system. On-going import of Type 17.

~1330. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. Ongoing import of type 17. On-going installation of the irrigation system.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

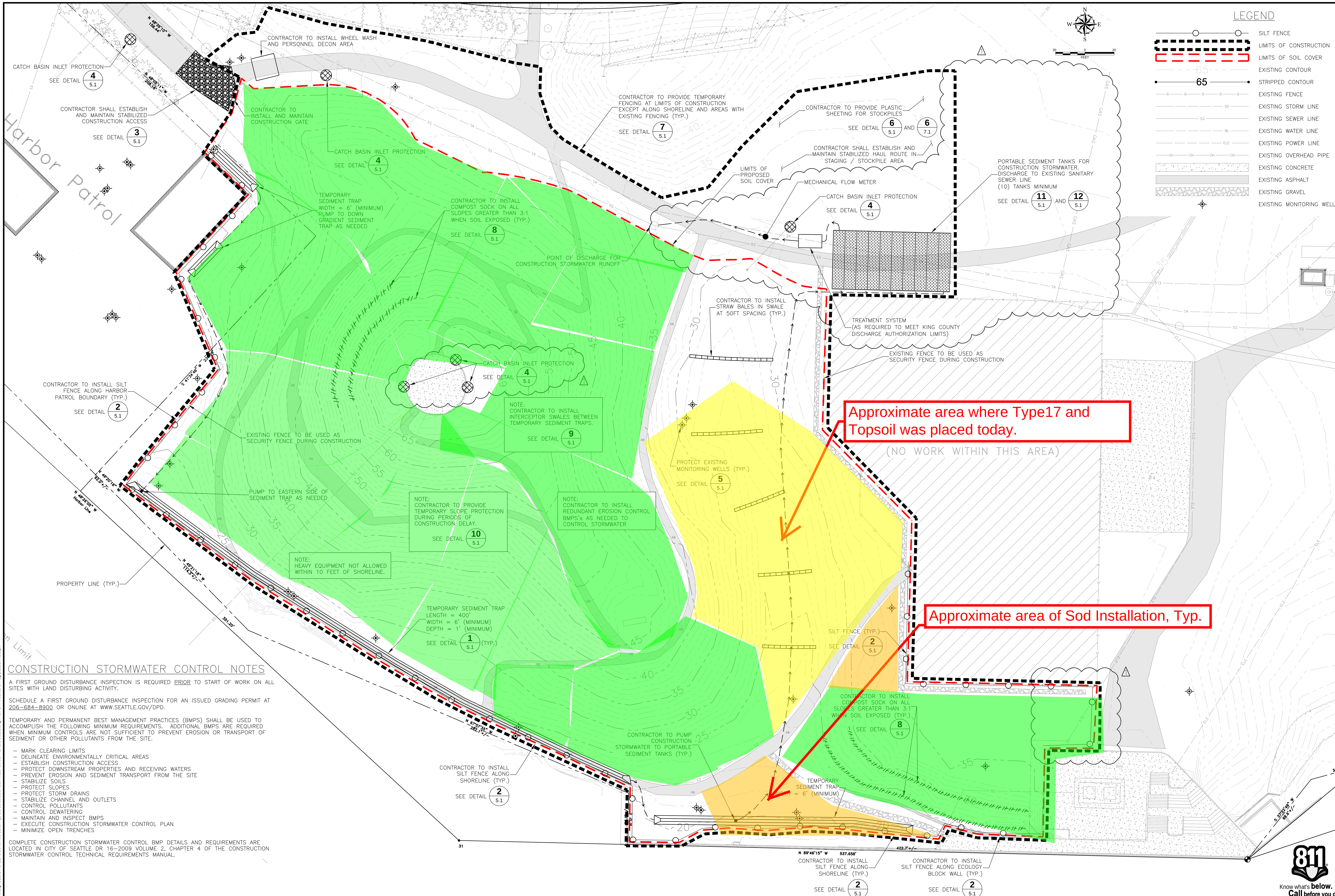
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: overcast, rain, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None.

Field Report Summary:
Today's activities: Placement of type 17 and topsoil in the swale east of Kite Hill. Irrigation installation. Placed sod southwest of the cracking towers. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.


Approximate area where Type17 and Topsoil was placed today.
Approximate area of Sod Installation, Typ.
LEGEND
SILT FENCE
LIMITS OF CONSTRUCTION
LIMITS OF SOIL COVER
EXISTING CONTOUR
STRIPPED CONTOUR
EXISTING FENCE
EXISTING STORM LINE
EXISTING SEWER LINE
EXISTING WATER LINE
EXISTING POWER LINE
EXISTING OVERHEAD PIPE
EXISTING CONCRETE
EXISTING ASPHALT
EXISTING GRAVEL
EXISTING MONITORING WELL
Harbor Patrol
CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA
CATCH BASIN INLET PROTECTION
SEE DETAIL 4 5.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS
SEE DETAIL 3 5.1
CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE
CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.)
SEE DETAIL 7 5.1
CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES
SEE DETAIL 6 5.1 AND 6 7.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA
LIMITS OF PROPOSED SOIL COVER
MECHANICAL FLOW METER
PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM
SEE DETAIL 11 5.1 AND 12 5.1
TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED
CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.)
SEE DETAIL 8 5.1
POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF
CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)
TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.)
SEE DETAIL 2 5.1
NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS.
SEE DETAIL 9 5.1
(NO WORK WITHIN THIS AREA)
PROTECT EXISTING MONITORING WELLS (TYP.)
SEE DETAIL 5 5.1
PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED
NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY.
SEE DETAIL 10 5.1
NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMP's AS NEEDED TO CONTROL STORMWATER
NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.
PROPERTY LINE (TYP.)
TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM)
SEE DETAIL 1 5.1 (TYP.)
SILT FENCE (TYP.)
CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.)
TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)
N 89°46'15" W 537.658'
422.7'+/-
CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.)
Know what's below. Call before you dig.

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206–684–8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

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- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16–2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

REFERENCES		REVISIONS							REVISIONS					
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		△	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAILEY · STATE OF WASHINGTON · 39963 REGISTERED PROFESSIONAL ENGINEER

Design — Date
Drawn — Date
Checked — Date
Approved — Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846–01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 10/31/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-54
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1300	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. It is raining heavily and the swale area is flooded. Wyser begins dewatering efforts, running several 2-inch portable pumps. On-going import of type 17.

	FIELD REPRESENTATIVE	DATE
O **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	10-31-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. Wyser reconnects 6-inch main dewatering pump and begins pumping to Baker Tanks. Set up float switches so pump will cycle on and off as needed.

~1245. Heavy rains make it too wet for the contractor to perform earthwork, Wyser began putting equipment away and wrapping up for the day. Fortified their BMP's for the weekend.

~1300. Equipment was secured. Wyser departs site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: The weekly CESCL inspection occurred today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: overcast, heavy rain, low 50s.

Afternoon: overcast, heavy rain, mid 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Weekly meeting attendees.

Field Report Summary:
Today's activities: Only dewatering and fortification of BMP's today. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.

CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1

CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) RUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF

CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1

CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES SEE DETAIL 6 5.1 AND 6 7.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA

LIMITS OF PROPOSED SOIL COVER

MECHANICAL FLOW METER

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1

CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)

TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED

NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1

NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.

NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER

PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1

(NO WORK WITHIN THIS AREA)

Approximate area where Type17 and Topsoil was placed yesterday.

Approximate area of Sod Installed yesterday, typ.

PROPERTY LINE (TYP.)

TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)

SILT FENCE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1

Harbor Patrol

LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- STRIPPED CONTOUR
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- EXISTING MONITORING WELL

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
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- PROTECT STORM DRAINS
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- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

Know what's below. Call before you dig.

REFERENCES		REVISIONS												
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PUGET SOUND ENERGY

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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\01\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 31, 2020 20:02:33pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 11/03/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-55
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser continued placing type 17 and topsoil in the swale area east of Kite Hill. Grading of the north portion of the swale with the excavator. Placing and compacting crushed rock for paths south side of hill and west of cracking towers. On-going import of type 17.

	FIELD REPRESENTATIVE	DATE
O **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	11-03-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. Continued installation of the irrigation system. Placing and compacting crushed rock for paths south side of hill and west of cracking towers. On-going import of type 17.

~1130. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. On-going installation of the irrigation system. Placing and compacting crushed rock for paths south side of hill and west of cracking towers. On-going import of Type 17.

~1330. On-going placement of type 17 and topsoil in the swale area east of Kite Hill. Ongoing import of type 17. On-going installation of the irrigation system. Placing and compacting crushed rock for paths south side of hill and west of cracking towers.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

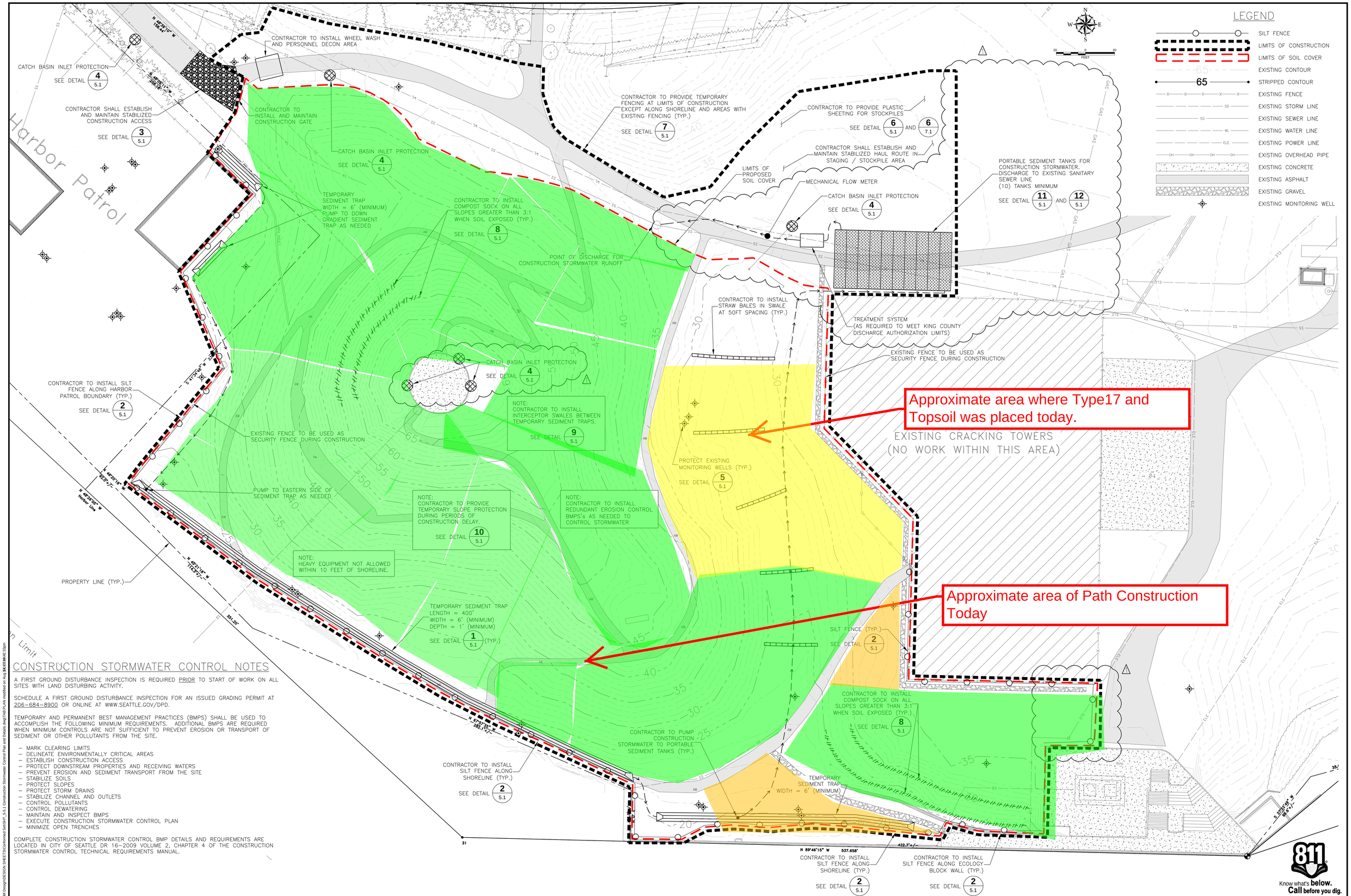
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: overcast, rain, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Weekly meeting attendees.

Field Report Summary:
Today's activities: Placement of type 17 and topsoil in the swale east of Kite Hill. Irrigation installation. Placing and compacting crushed rock for paths. Attached Site Plan shows the approximate location of today's work. Photos from today were tracked on the daily photo log.



CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
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COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS HALES — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 30, 2022 by JLK 09:33pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 11/04/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-56
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser fine grading and raking topsoil in the southeast quadrant of Kite Hill. Grading of the north portion of the swale with the excavator. Placing and compacting crushed rock for paths south side of hill and south end of ADA path east of the hill. On-going import of type 17.

	FIELD REPRESENTATIVE	DATE
O **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	11-04-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going grading and raking topsoil in the southeast quadrant of Kite Hill. Hauling unsuitable soil off-site to Rabanco. Placing and compacting crushed rock for paths south side of hill and south end of ADA path east of the hill. On-going import of type 17. Wyser tests stormwater in Baker Tanks for turbidity and pH, begins discharge to Metro sewer at a rate of 50 gpm (gallons per minute).

~1130. On-going grading and raking topsoil in the southeast quadrant of Kite Hill. Hauling unsuitable soil off-site to Rabanco. Placing and compacting crushed rock for paths south side of hill and south end of ADA path east of the hill. On-going import of type 17.

~1330. On-going grading and raking topsoil in the southeast quadrant of Kite Hill. Hauling unsuitable soil off-site to Rabanco. Placing and compacting crushed rock for paths south side of hill and south end of ADA path east of the hill. On-going import of type 17.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: Discharge of tested water from Baker Tanks to the on-site sewer system per the permit.

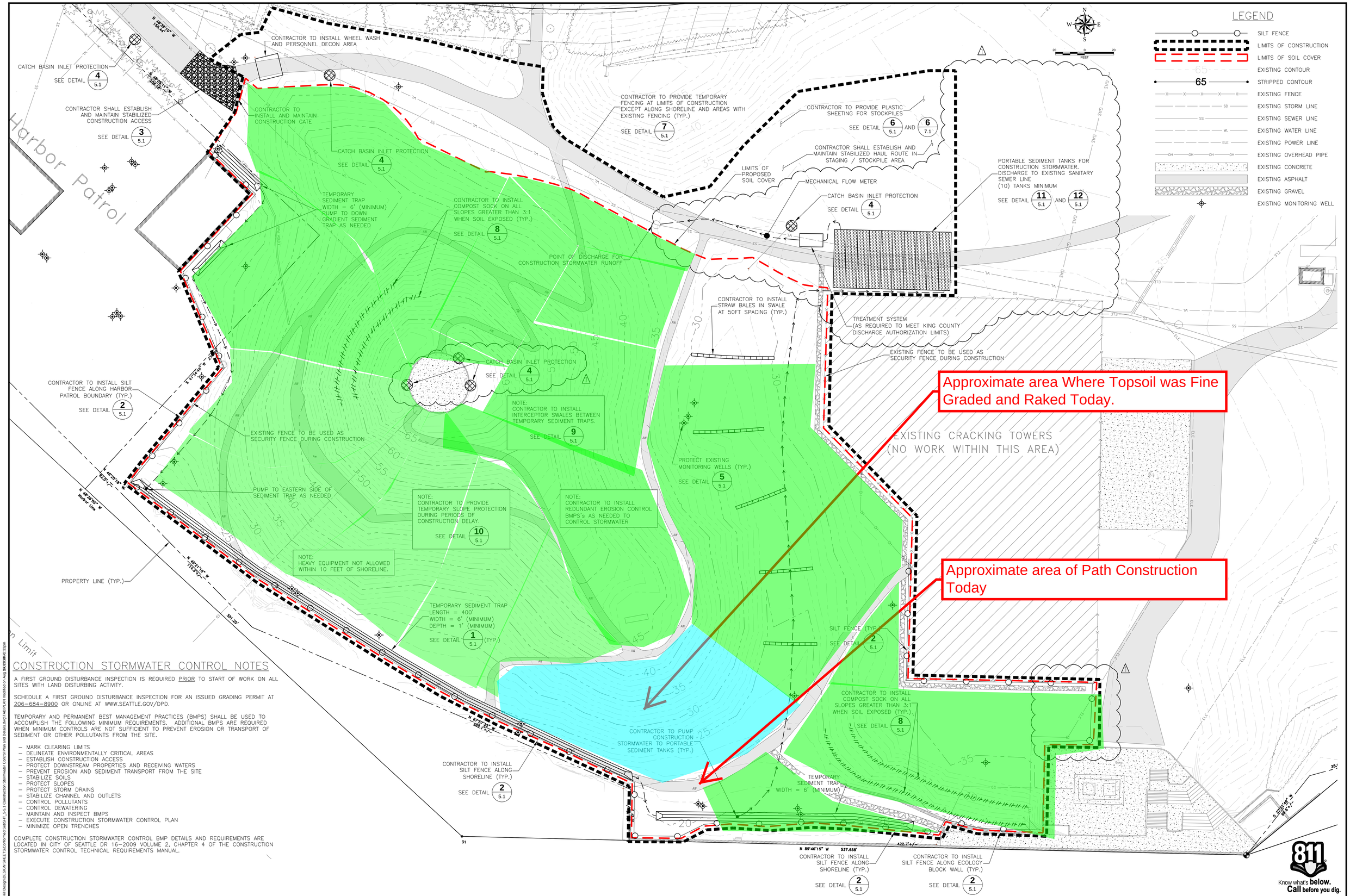
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: overcast, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Luis Buen Abad, State of Washington Department of Ecology.

Field Report Summary:
Today's activities: Fine grading and raking topsoil in the southeast quadrant of Kite Hill. Grading of the north portion of the swale with the excavator. Placing and compacting crushed rock for paths south side of hill and south end of ADA path east of the hill. On-going import of type 17. Discharge of tested water from Baker tanks to sanitary sewer under KC Metro Discharge Permit.



CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
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REFERENCES		REVISIONS												
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37063 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

811 Know what's below. Call before you dig.

P:\0N\18684600\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed SetSHT_5.5.1 Construction Stormwater Control Plan and Details.dwg\TAB:PLAN modified on Aug 30,2023@KC 33pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 11/05/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-57
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser installing sod in the southeast quadrant of Kite Hill. Placing and compacting crushed rock for paths at ADA path east of the hill. On-going import of topsoil.

	FIELD REPRESENTATIVE	DATE
O **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	11-05-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going installation of sod in the southeast quadrant of Kite Hill. Placing and compacting crushed rock for paths at ADA path east of the hill. On-going import of topsoil.

~1130. On-going installation of sod in the southeast quadrant of Kite Hill. Placing and compacting crushed rock for paths at ADA path east of the hill. On-going import of topsoil.

~1330. On-going installation of sod in a small area just west of the Cracking Towers.. Placing and compacting crushed rock for paths at ADA path east of the hill. On-going import of topsoil.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

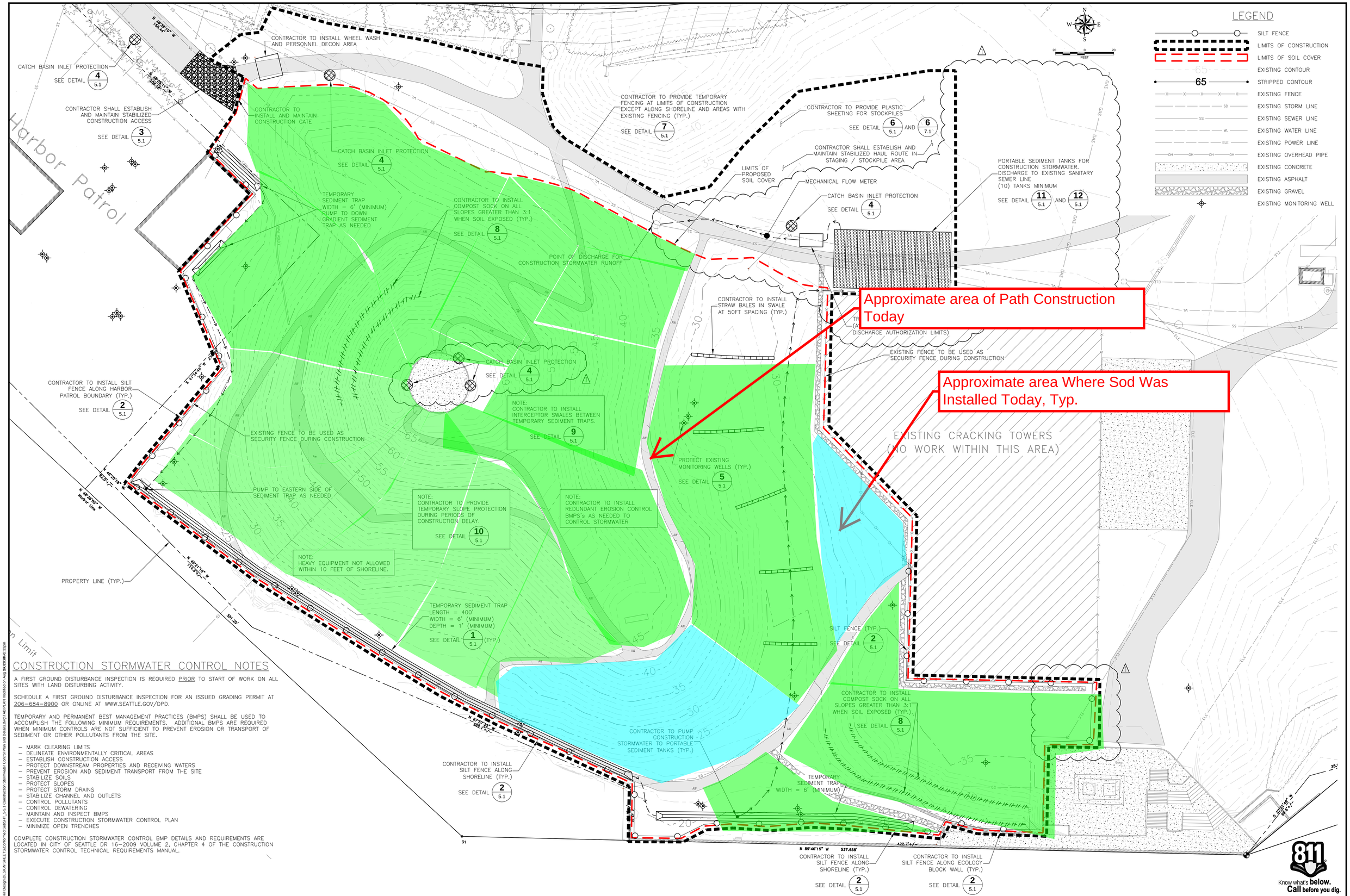
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: overcast, rain, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Installing sod in the southeast quadrant of Kite Hill and a small area just west of the Cracking Towers. Placing and compacting crushed rock for paths at the ADA path east of the hill. On-going import of topsoil.



CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS												
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37063 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0\01866846\01\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed SetSHT_5.5.1 Construction Stormwater Control Plan and Details.dwg\TAB-PLAN modified on Aug 30,2023@KC 33pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 11/06/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-58
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser placed and compacted crushed rock for paths at ADA path east of the hill and at the lower north path. On-going import of topsoil.

	FIELD REPRESENTATIVE	DATE
O **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	11-06-2014
X **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**
	Shashi Shankar	02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placment and compaction of crushed rock for paths at ADA path east of the hill and at the lower north path. On-going import of topsoil.

~1130. On-going placment and compaction of crushed rock for paths at ADA path east of the hill and at the lower north path. On-going import of topsoil.

~1330. On-going placment and compaction of crushed rock for paths at ADA path east of the hill and at the lower north path. On-going import of topsoil.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
-
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

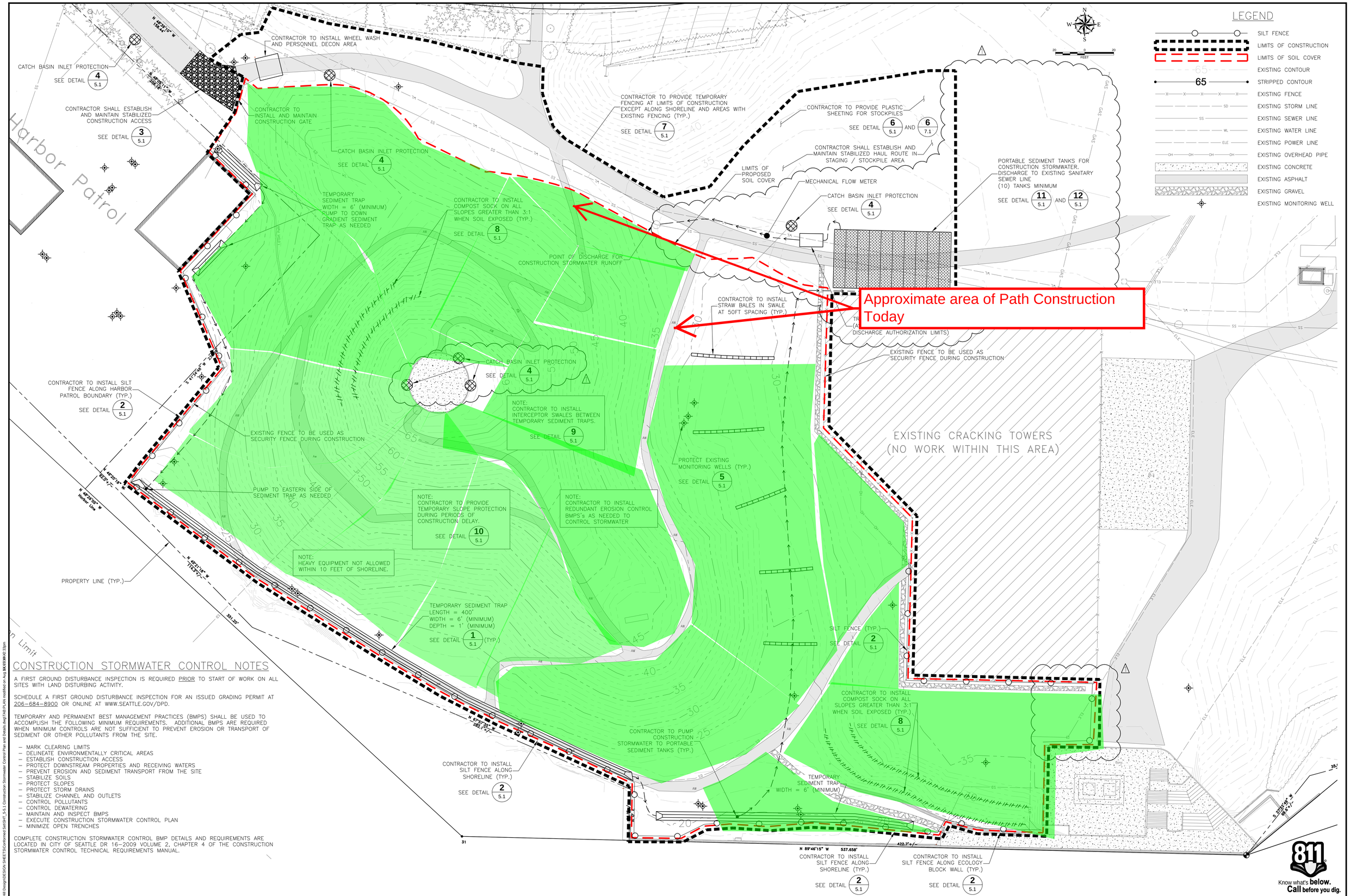
Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: overcast, rain, high 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Placing and compacting crushed rock for paths at the ADA path east of the hill. On-going import of topsoil.



CONSTRUCTION STORMWATER CONTROL NOTES

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COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BAUER — STATE OF WASHINGTON — 37063 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0\01866846\01\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed SetSHT_5.5.1 Construction Stormwater Control Plan and Details.dwg\TAB:PLAN modified on Aug 30,2023@09:02:33pm

GeoEngineers	FIELD REPORT		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 11/07/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-59
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
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Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.
Northwest Paving – Wyser sub-contractor for paving activities.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser placed and compacted crushed rock for paths at ADA path east of the hill and at the lower north path. Northwest Paving begins path paving. Finish grading of topsoil northwest side of swale area.

	FIELD REPRESENTATIVE	DATE
O **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	11-07-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going placment and compaction of crushed rock for paths at ADA path east of the hill and at the lower north path. On-going path paving by Northwest Paving. On-going finish grading of topsoil northwest side of swale area.

~1130. On-going placment and compaction of crushed rock for paths at ADA path east of the hill and at the lower north path. On-going path paving by Northwest Paving. On-going finish grading of topsoil northwest side of swale area.

~1330. On-going placment and compaction of crushed rock for paths at ADA path east of the hill and at the lower north path. On-going path paving by Northwest Paving. On-going finish grading of topsoil northwest side of swale area.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: Dust monitoring was not performed today as it was raining and dust was not a concern.
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: The weekly CESCL inspection occurred today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: overcast, rain, low 50s.

Afternoon: Mostly sunny, mid 50s.

Truck Log:
No hauling today.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Placing and compacting crushed rock for paths at the ADA path east of the hill. Paving of the paths (approximately half completed). Finish grading of topsoil in swale area.

Sod Removed Previously

Infiltration Trenches Installed Previously

CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

Silt Fence Installed Previously

Approximate Area of Topsoil Fine Grading Completed Today

Approximate Area of Path Paving Completed Today

EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)

PROPERTY LINE (TYP.)

Catch Basin Installed Previously

Infiltration Trenches Installed Previously

Catch Basin Installed Previously

Infiltration Trenches Installed Previously

Harbor Patrol

Know what's **below.** **Call** before you dig.

LEGEND

- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- PROPOSED ASPHALT PATH
- PROPOSED GRAVEL PATH

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D

CHRISTOPHER LEWIS BAILEY — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GeoEngineers
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

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XXX : XXX

137l

GeoEngineers

PLAZA 600 BUILDING
600 STEWART STREET, SUITE 1700
SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/10/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-60
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser finish grading topsoil in the swale area. Irrigation installation along the west side of the swale area.

O **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** 11-10-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going finish grading topsoil in the swale area. On-going irrigation installation along the west side of the swale area.

~1130. On-going finish grading topsoil in the swale area. On-going irrigation installation along the west side of the swale area.

~1330. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The winds were noted to be calm (no wind). On-going finish grading topsoil in the swale area. On-going irrigation installation along the west side of the swale area.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of one monitoring event occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:
    - DustTrak file Manual_137 (1357) – Min (0.004 mg/m^3), Max (0.036 mg/m^3), Average (0.014 mg/m^3).
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: Sunny, low 40s.

Afternoon: Mostly sunny, mid 40s.

Truck Log:
No hauling today.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Irrgation installation. Finish grading of topsoil in the south end of the swale area.

Sod Removed Previously

Infiltration Trenches Installed Previously

CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

Silt Fence Installed Previously

PROPERTY LINE (TYP.)

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

EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)

Harbor Patrol

LEGEND

- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- PROPOSED ASPHALT PATH
- PROPOSED GRAVEL PATH

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D

Design Date
Drawn Date
Checked Date
Approved Date

PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

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137l

GeoEngineers

PLAZA 600 BUILDING
600 STEWART STREET, SUITE 1700
SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/11/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-61
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser finish grading topsoil at the south end of the swale area. Irrigation installation along the west side of the swale area.

	FIELD REPRESENTATIVE	DATE
O **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	11-10-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going finish grading topsoil at the south end of the swale area. On-going irrigation installation along the west side of the swale area.

~1130. On-going finish grading topsoil at the south end of the swale area. On-going irrigation installation along the west side of the swale area.

~1330. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The winds were noted to be calm (no wind). On-going finish grading topsoil at the south end of the swale area. On-going irrigation installation along the west side of the swale area.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of two monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:
    - DustTrak file Manual_138 (1157) – Min (0.005 mg/m^3), Max (0.036 mg/m^3), Average (0.012 mg/m^3).
    - DustTrak file Manual_139 (1413) – Min (0.006 mg/m^3), Max (0.035 mg/m^3), Average (0.016 mg/m^3).
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: Discharge of tested water from Baker Tanks to the on-site sewer system per the permit.

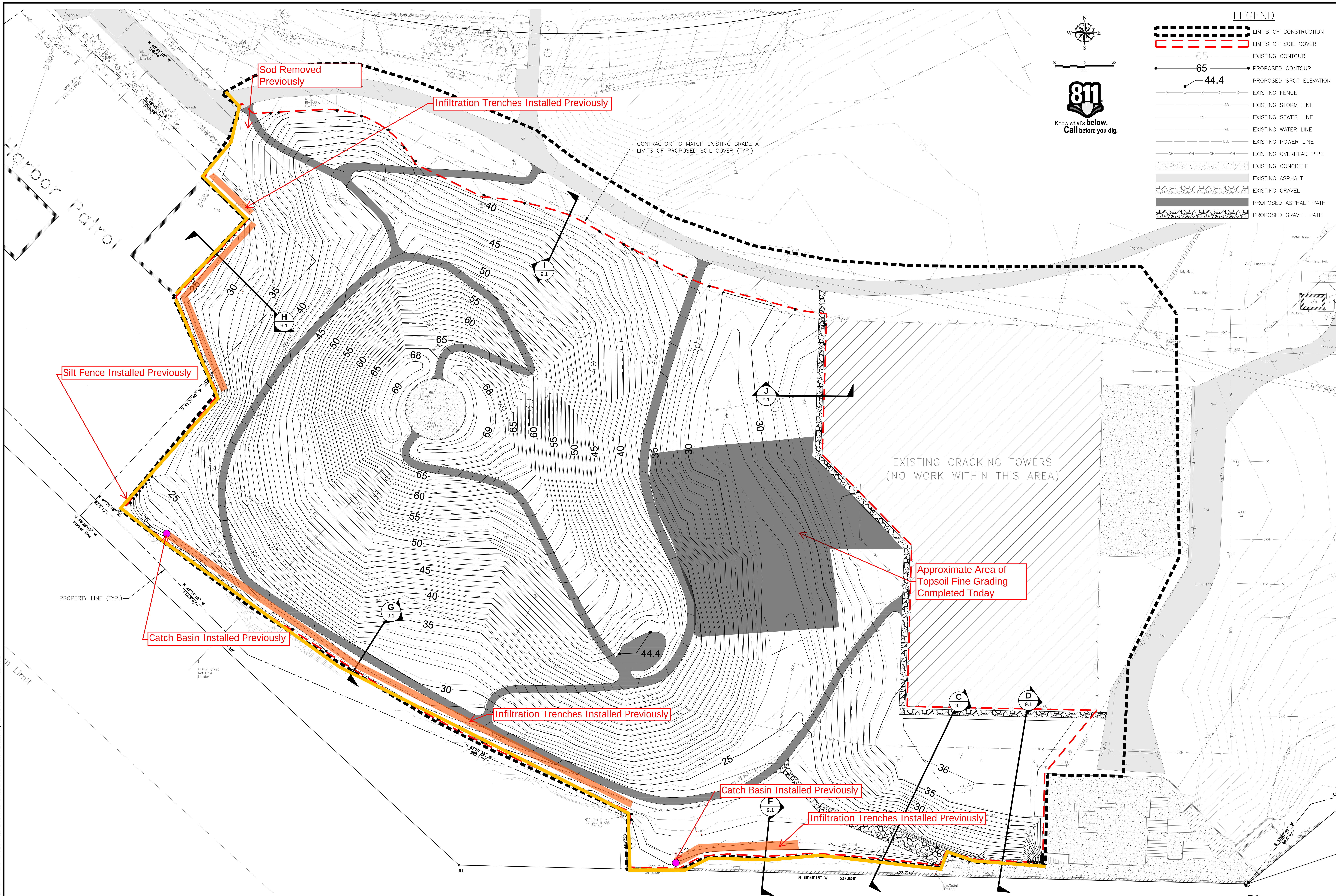
Weather Conditions:
Morning: Sunny, low 40s.

Afternoon: Sunny, mid 40s.

Truck Log:
No hauling today.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Irrgation installation. Finish grading of topsoil in the south end of the swale area.



LEGEND
LIMITS OF CONSTRUCTION
LIMITS OF SOIL COVER
EXISTING CONTOUR
PROPOSED CONTOUR
PROPOSED SPOT ELEVATION
EXISTING FENCE
EXISTING STORM LINE
EXISTING SEWER LINE
EXISTING WATER LINE
EXISTING POWER LINE
EXISTING OVERHEAD PIPE
EXISTING CONCRETE
EXISTING ASPHALT
EXISTING GRAVEL
PROPOSED ASPHALT PATH
PROPOSED GRAVEL PATH
811
Know what's below. Call before you dig.
Harbor Patrol
Sod Removed Previously
Infiltration Trenches Installed Previously
CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)
Silt Fence Installed Previously
EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)
Approximate Area of Topsoil Fine Grading Completed Today
PROPERTY LINE (TYP.)
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
44.4

REFERENCES		REVISIONS							
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D		

PUGET SOUND ENERGY

GEOENGINEERS

600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01

Drawing No. 7.0

Sheet 10 of 14

137l

GeoEngineers

PLAZA 600 BUILDING
600 STEWART STREET, SUITE 1700
SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/12/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-62
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

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Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser finish grading topsoil in the swale area. Irrigation installation along the west side of the swale area. Laying sod in the southeast quadrant of Kite Hill and the south end of the swale area.

	FIELD REPRESENTATIVE	DATE
O **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	11-12-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going finish grading topsoil at the south end of the swale area. On-going irrigation installation along the west side of the swale area. On-going sod installation in the southeast quadrant of Kite Hill and the south end of the swale area.

~1130. On-going finish grading topsoil at the south end of the swale area. On-going irrigation installation along the west side of the swale area. On-going sod installation in the southeast quadrant of Kite Hill and the south end of the swale area.

~1400. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The winds were noted to be calm (no wind). On-going finish grading topsoil at the south end of the swale area. On-going irrigation installation along the west side of the swale area. On-going sod installation in the southeast quadrant of Kite Hill and the south end of the swale area.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of one monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:
    - DustTrak file Manual_140 (1409) – Min (0.008 mg/m^3), Max (0.021 mg/m^3), Average (0.013 mg/m^3).
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: Sunny, low 40s.

Afternoon: Sunny, high 40s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Irrigation installation. Finish grading of topsoil in the swale area. Sod installation south end of swale.

Sod Removed Previously

Infiltration Trenches Installed Previously

CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

Silt Fence Installed Previously

Approximate Area of Geo-Grid and Type 17 Completed Today

EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)

PROPERTY LINE (TYP.)

Catch Basin Installed Previously

Infiltration Trenches Installed Previously

Approximate Area of Sod installation Completed Today

Catch Basin Installed Previously

Infiltration Trenches Installed Previously

Harbor Patrol

Know what's **below.** **Call** before you dig.

LEGEND

- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- PROPOSED ASPHALT PATH
- PROPOSED GRAVEL PATH

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D

CHRISTOPHER LEWIS BAILEY — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

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137l

GeoEngineers

PLAZA 600 BUILDING
600 STEWART STREET, SUITE 1700
SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/13/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-63
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

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Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser finish grading topsoil in the swale area. Irrigation installation along the east side of the swale area. Laying sod in the swale area east of Kite Hill. Importing topsoil.

	FIELD REPRESENTATIVE	DATE
O **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	11-13-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going finish grading topsoil in the swale area. On-going irrigation installation along the east side of the swale area. On-going sod installation in the swale area east of Kite Hill. On-going importing of topsoil.

~1130. On-going finish grading topsoil in the swale area. On-going irrigation installation along the east side of the swale area. On-going sod installation in the swale area east of Kite Hill. On-going importing of topsoil.

~1330. On-going finish grading topsoil in the swale area. On-going irrigation installation along the east side of the swale area. On-going importing of topsoil.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: No dust monitoring was performed today.
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: Sunny, low 40s.

Afternoon: Sunny, high 40s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Irrigation installation. Finish grading of topsoil in the swale area. Sod installation in swale area.

Sod Removed Previously

Infiltration Trenches Installed Previously

CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

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

PROPERTY LINE (TYP.)

Harbor Patrol

Know what's **below.** **Call** before you dig.

LEGEND

- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- PROPOSED ASPHALT PATH
- PROPOSED GRAVEL PATH

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D

CHRISTOPHER LEWIS RAETH — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER — 4/16/14

Design		Date
Drawn		Date
Checked		Date
Approved		Date

PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

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GeoEngineers

PLAZA 600 BUILDING
600 STEWART STREET, SUITE 1700
SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/14/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-64
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1330	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

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Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

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Field Activities: Following is a timeline of activities noted during the site visit.

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~0730. Wyser finish grading topsoil in the swale area. Irrigation installation along the east side of the swale area. Laying sod in the swale area east of Kite Hill. Importing topsoil.

	FIELD REPRESENTATIVE	DATE
O **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	11-14-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going finish grading topsoil in the swale area. On-going irrigation installation along the east side of the swale area. On-going sod installation in the swale area east of Kite Hill. On-going importing of topsoil.

~1130. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The winds were noted to be calm (no wind). On-going finish grading topsoil in the swale area. On-going irrigation installation along the east side of the swale area. On-going sod installation in the swale area east of Kite Hill. On-going importing of topsoil.

~1315. Wyser began putting equipment away and wrapping up for the day.

~1330. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of one monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:
    - DustTrak file Manual_141 (1136) – Min (0.030 mg/m^3), Max (0.066 mg/m^3), Average (0.052 mg/m^3).
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: The weekly CESCL inspection occurred today.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Weather Conditions:
Morning: Sunny, low 40s.

Afternoon: Sunny, high 40s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Irrigation installation. Finish grading of topsoil in the swale area. Sod installation in swale area.

Sod Removed Previously

Infiltration Trenches Installed Previously

CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

Silt Fence Installed Previously

Approximate Area of Topsoil Finish Grading and Raking Completed Today

Approximate Area of Sod installation Completed Today

EXISTING CRACKING TOWERS
THIS AREA)

PROPERTY LINE (TYP.)

Catch Basin Installed Previously

Infiltration Trenches Installed Previously

Catch Basin Installed Previously

Infiltration Trenches Installed Previously

Harbor Patrol

Limit

LEGEND

- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- PROPOSED ASPHALT PATH
- PROPOSED GRAVEL PATH

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D

CHRISTOPHER LEWIS BALES — STATE OF WASHINGTON — 21993 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PUGET SOUND ENERGY

GeoEngineers
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

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XXX - XXX

137l

GeoEngineers

PLAZA 600 BUILDING
600 STEWART STREET, SUITE 1700
SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/17/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-65
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

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Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser finish grading topsoil in the swale area. Installing geo-grid and topsoil in southeast corner of site at lakeshore. Importing topsoil.

	FIELD REPRESENTATIVE	DATE
O **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	11-17-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going finish grading topsoil in the swale area. On-going installation of geo-grid and topsoil in southeast corner of site at lakeshore. On-going importing of topsoil.

~1130. SLG calibrated the dust monitor and walked the perimeter of construction to monitor for dust. The winds were noted to be from the east – southeast at approximately 1 mph. On-going finish grading topsoil in the swale area. On-going installation of geo-grid and topsoil in southeast corner of site at lakeshore. On-going importing of topsoil.

~1330. On-going finish grading topsoil in the swale area. On-going installation of geo-grid and topsoil in southeast corner of site at lakeshore. On-going importing of topsoil.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: A portable DustTrak DRX Aerosol Model 8534 was used to monitor the perimeter of construction. The dust monitor was calibrated before each use using the 'Zero Cal' as specified in the operation and service manual. The 'User Cal' was set to 'Ambient Cal' per recommendations in the operation and service manual. A total of one monitoring events occurred today with an approximate ten to fifteen minute period where the monitor was continuously run downwind of the work area along the limits of construction. The results were recorded by the DustTrak and noted below:
    - DustTrak file Manual_142 (1111) – Min (0.029 mg/m^3), Max (0.251 mg/m^3), Average (0.074 mg/m^3).
- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.
- King County Waste Discharge Compliance Monitoring: The contractor was discharging to the sewer system today.

Weather Conditions:
Morning: Sunny, low 40s.

Afternoon: Sunny, high 40s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Finish grading of topsoil in the swale area. Installing geo-grid and topoil in southeast corner of site. Import of topsoil.

CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

PROPERTY LINE (TYP.)

Approximate Area of Topsoil Finish Grading and Raking Completed Today

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

EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)

Harbor Patrol

LEGEND

- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- PROPOSED ASPHALT PATH
- PROPOSED GRAVEL PATH

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

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GeoEngineers

PLAZA 600 BUILDING
600 STEWART STREET, SUITE 1700
SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/18/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-66
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser is doing site clean-up, and demobilization of un-needed equipment. Wyser placed loose lifts of crushed rock base in the path areas west of the cracking towers to be graded and compacted later. Importing topsoil.

	FIELD REPRESENTATIVE	DATE
O **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	11-18-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going site clean-up, and demobilization of un-needed equipment. On-going placement of loose lifts of crushed rock base in the path areas west of the cracking towers to be graded and compacted later. On-going importing of topsoil.

~1130. On-going site clean-up, and demobilization of un-needed equipment. On-going placement of loose lifts of crushed rock base in the path areas west of the cracking towers to be graded and compacted later. On-going importing of topsoil.

~1330. On-going site clean-up, and demobilization of un-needed equipment. On-going placement of loose lifts of crushed rock base in the path areas west of the cracking towers to be graded and compacted later. On-going importing of topsoil.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: The dust monitoring program for the project is completed as the wet season has begun and earthwork activities are at a minimum now.

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: The contractor was discharging to the sewer system today.

Weather Conditions:
Morning: Sunny, low 40s.

Afternoon: Sunny, high 40s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
Weekly meeting attendees.

Field Report Summary:
Today's activities: Site clean-up, and demobilization of un-needed equipment. Placement of loose lifts of crushed rock base in the path areas west of the cracking towers to be graded and compacted later. Importing of topsoil.

Sod Removed Previously

Infiltration Trenches Installed Previously

CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

Silt Fence Installed Previously

Approximate Area of Gravel Path Grading Worked On Today, Typ.

EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)

PROPERTY LINE (TYP.)

Catch Basin Installed Previously

Approximate Area of Topsoil Finish Grading Completed 11-17-14

Harbor Patrol

LEGEND

- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- PROPOSED ASPHALT PATH
- PROPOSED GRAVEL PATH

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D

CHRISTOPHER LEWIS BAILEY — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER — 11/6/14

Design	Date
Drawn	Date
Checked	Date
Approved	Date

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Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

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SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/19/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-67
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser is doing site clean-up, and demobilization of un-needed equipment. Wyser is installing sod in the swale area.

O **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** 11-19-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going site clean-up, and demobilization of un-needed equipment. On-going sod installation in swale area.

~1130. On-going site clean-up, and demobilization of un-needed equipment. On-going sod installation in swale area.

~1330. On-going site clean-up, and demobilization of un-needed equipment. On-going sod installation in swale area.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: The dust monitoring program for the project is completed as the wet season has begun and earthwork activities are at a minimum now.

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: The contractor was discharging to the sewer system today.

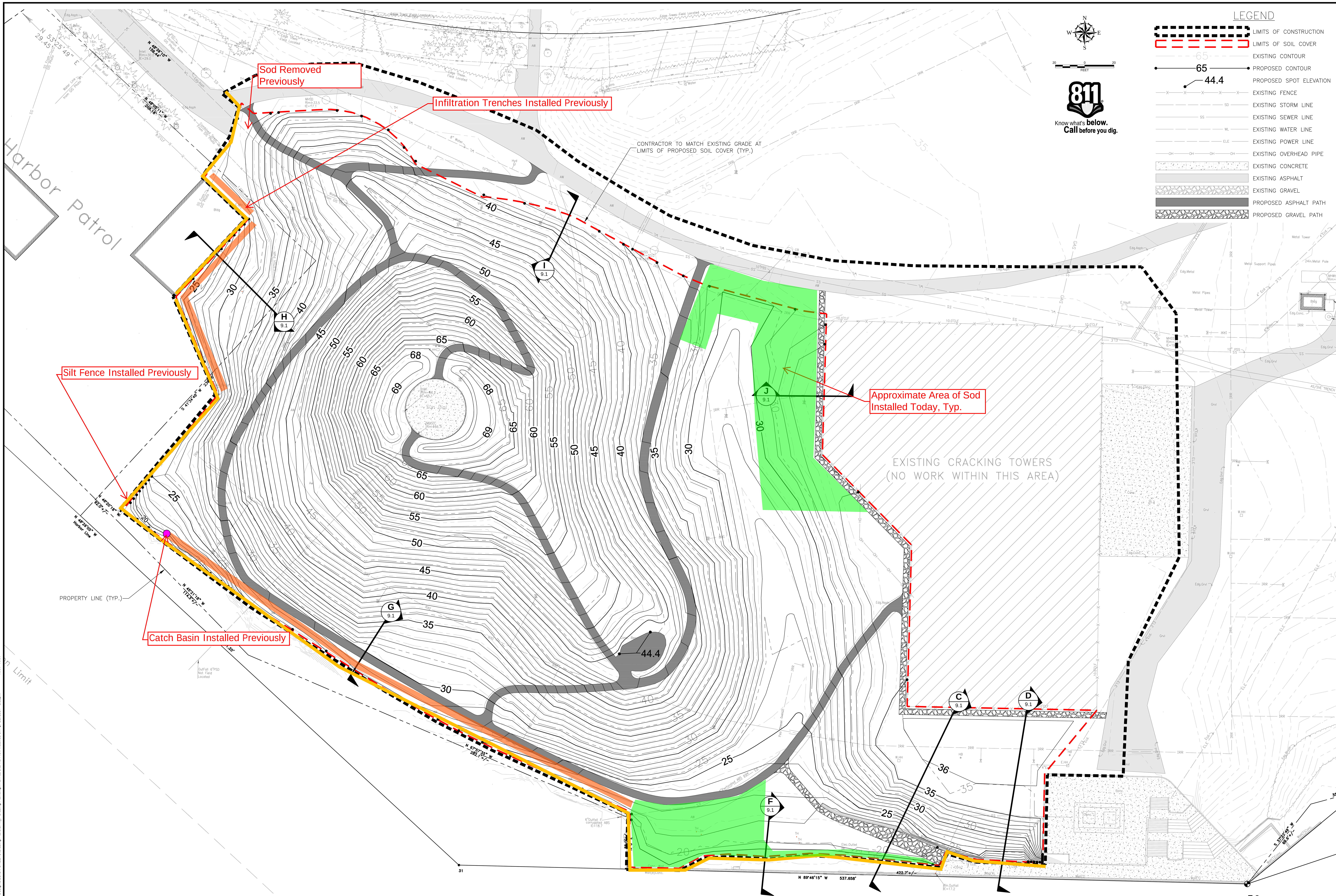
Weather Conditions:
Morning: Partly Sunny, low 40s.

Afternoon: Partly Sunny, low 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Site clean-up, and demobilization of un-needed equipment. Installation of sod in the swale area.



REFERENCES		REVISIONS													
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D		

Design | Date
Drawn | Date
Checked | Date
Approved | Date

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Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

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SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/20/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-68
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser is doing site clean-up, and demobilization of un-needed equipment. Wyser is placing, compacting and finish grading topsoil along the south perimeter of the site near the lakeshore. Wyser is installing irrigation. Importing topsoil.

O **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** 11-20-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going site clean-up, and demobilization of un-needed equipment. On-going placment, compaction and finish grading topsoil along the south perimeter of the site near the lakeshore. On-going irrigation installation. On-going importing topsoil.

~1130. On-going site clean-up, and demobilization of un-needed equipment. On-going placment, compaction and finish grading topsoil along the south perimeter of the site near the lakeshore. On-going irrigation installation. On-going importing topsoil.

~1330. On-going site clean-up, and demobilization of un-needed equipment. On-going placment, compaction and finish grading topsoil along the south perimeter of the site near the lakeshore. On-going irrigation installation. On-going importing topsoil.

~1515. Wyser began putting equipment away and wrapping up for the day.

~1530. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc...):

- Dust Monitoring: The dust monitoring program for the project is completed as the wet season has begun and earthwork activities are at a minimum now.

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: No weekly CESCL inspection today.

- King County Waste Discharge Compliance Monitoring: The contractor was discharging to the sewer system today.

Weather Conditions:
Morning: Partly Sunny, low 40s.

Afternoon: Partly Sunny, low 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Site clean-up, and demobilization of un-needed equipment. Placment, compaction and finish grading topsoil along the south perimeter of the site near the lakeshore. Irrigation installation. Importing topsoil.

CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

PROPERTY LINE (TYP.)

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

EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)

Harbor Patrol

LEGEND

- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
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- EXISTING GRAVEL
- PROPOSED ASPHALT PATH
- PROPOSED GRAVEL PATH

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D

CHRISTOPHER LEWIS BAILEY — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PUGET SOUND ENERGY

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600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

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SEATTLE, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401

	Project: Kite Hill Soil Cover Project		Date: 11/21/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: ENV-69
Prepared by: Steven L. Godes	Location: Gas Works Park, Seattle, WA	Time of Departure: 1400	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: See 'Weather Conditions' section	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

Lead Agencies/Authorities:

Libby Goldstein (LG)_WA Department of Ecology (Ecology) – Site Manager
David Graves (DG)_City of Seattle Department of Parks and Recreation (Parks) – RUP #2014-51
Titus Tramble (TT)_City of Seattle Department of Planning and Development (DPD) – Grading Permit #6407051
Luis Buen Abad (LA)_Department of Ecology (Ecology) – NPDES Permit #WAR302235
Jim Sifford (JS)_King County Industrial Waste Program (KCIW) – Discharge Authorization #941-01

General Contractor Onsite:

Dan Reynolds (DR) – Wyser Construction

Subcontractor Onsite:

Pacific Topsoils – Wyser sub-contractor hauling the import topsoil material with solo trucks.

Health and Safety:

Prior to beginning work a safety meeting was held with Steven Godes (SLG). Items discussed included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Wyser conducted daily health and safety meeting in the office trailer.

Field Activities: Following is a timeline of activities noted during the site visit.

~0700. SLG arrived onsite and walked the perimeter of construction. SLG noted TESC BMPs were in place and intact.

~0730. Wyser is doing site clean-up, and demobilization of un-needed equipment. Wyser is placing, compacting and finish grading topsoil along the south perimeter of the site near the lakeshore. Wyser is installing irrigation.

	FIELD REPRESENTATIVE	DATE
O **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	11-21-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Daily Photo Log, Photographs

Distribution:

~0930. On-going site clean-up, and demobilization of un-needed equipment. On-going placment, compaction and finish grading topsoil along the south perimeter of the site near the lakeshore. On-going irrigation installation.

~1130. On-going site clean-up, and demobilization of un-needed equipment. On-going placment, compaction and finish grading topsoil along the south perimeter of the site near the lakeshore. On-going irrigation installation.

~1300. On-going site clean-up, and demobilization of un-needed equipment. On-going placment, compaction and finish grading topsoil along the south perimeter of the site near the lakeshore. On-going irrigation installation.

~1345. Wyser began putting equipment away and wrapping up for the day.

~1400. Equipment was secured. SLG left site.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Dust Monitoring: The dust monitoring program for the project is completed as the wet season has begun and earthwork activities are at a minimum now.

- Field Screening: No staining or odor was encountered within the limits of construction and no PID readings were taken.

- Ecology CSWGP Compliance Monitoring: The weekly CESCL inspection occurred today.

- King County Waste Discharge Compliance Monitoring: The contractor was discharging to the sewer system today.

Weather Conditions:
Morning: Overcast, Rain, low 40s.

Afternoon: Overcast, Rain, low 50s.

Truck Log:
Daily trucking logs of export and import material are maintained for record keeping.

Visitors to the Site:
None

Field Report Summary:
Today's activities: Site clean-up, and demobilization of un-needed equipment. Placment, compaction and finish grading topsoil along the south perimeter of the site near the lakeshore. Irrigation installation.

CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

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

PROPERTY LINE (TYP.)

EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)

Harbor Patrol

LEGEND

- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- PROPOSED ASPHALT PATH
- PROPOSED GRAVEL PATH

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D

CHRISTOPHER LEWIS BAILEY — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

GRADING PLAN

Project No. 0186846-01
Drawing No. 7.0
Sheet 10 of 14

P:\0\01866\#0001\CADD\Task 1400 Kite Hill Design\DESIGN SHEETS\Grading Plans\SHT_7 Grading Plan.dwg\TAB:Yes Dial No Prom modified on Apr 16, 2014 - 1:11pm XXX:XXX

GeoEngineers	**FIELD REPORT**		File Number: 00186-846-01 Task 1401
Plaza 600 Building 600 Stewart Street, Suite 1700 Seattle, WA 98101 (206) 728-2674	Project: Kite Hill Soil Cover Project		Date: 12/15/14
	Owner: City of Seattle	Time of Arrival: 0900	Report Number: ENV-70
Prepared by: Theo Leonard (TL)	Location: Gas Works Park, Seattle, WA	Time of Departure: 1600	Page: 1 of 1
Purpose of visit: Construction Observations	Weather: Overcast, 50's	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction

Subcontractor Onsite:

Seattle Dept of Parks and Recreation Electrician (Kevin).

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Environmental Activities (Dust Monitoring, Field Screening, Etc…):

- Observations: A bio-genic material was encountered within the bottom of the drainage swale which indicated the presence of harmless bacteria that utilize iron or manganese. There was no odor and upon contacting/disturbing the material the material stayed separated and did not flow back together.

- Field Screening: No staining or odor was encountered and no PID readings were taken. Dust monitoring not conducted as ground conditions were moist.

- Ecology CSWGP Compliance Monitoring: There was no rain or other events that caused any discharge from the site.

- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

Today's activities included a) installed irrigation on the north side of the main east-west pathway. b) excavated the trench approximately 12"-20" in depth and installed conduit between the existing elec'l cabinet and new controller. Wyser excavated the trench and Parks installed the conduit. The trench was excavated through the berm area. Excavated material was placed on plastic sheeting and then used as backfill. A portion of the trench was backfilled but not completed. The portion of the

O **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** Theo Leonard, PE	**DATE** 12-16-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Photographs

Distribution:

trench that was not backfilled was fenced off with high visibility fencing. The attached Site Plan shows the approximate location of today's work.

Kite Hill Soil Cover Project Site Plan (12-15-14)

Existing elec'l box.

Wyser excavated the trench for the elec'l conduit on the south side of the gravel pathway and Parks installed the conduit.

Installed irrigation on the north side of the main east-west pathway.

Proposed irrigation controller.

A portion of the irrigation line and conduit were installed within the same trench per approval from Parks.

GeoEngineers
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600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

FIELD REPORT

File Number: 00186-846-01 Task 1401			
Project: Kite Hill Soil Cover Project			Date: 12/16/14
Owner: City of Seattle		Time of Arrival: 1000	Report Number: ENV-71
Prepared by: Theo Leonard (TL)	Location: Gas Works Park, Seattle, WA	Time of Departure: 1130	Page: 1 of 1
Purpose of visit: Construction Observations	Weather: Overcast, 50's	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction

Subcontractor Onsite:

Seattle Dept of Parks and Recreation Electrician (Kevin).

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Environmental Activities (Dust Monitoring, Field Screening, Etc...):

- Field Screening: No staining or odor was encountered and no PID readings were taken. Dust monitoring not performed due to mosit ground conditions.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

Today's activities included backfilling the trenches for the conduit on the north side of the berm and irrigation directly north of the main east-west pathway. Excavated material from the trenches had been placed on plastic sheeting and was used as backfill. A section of high visibility fencing was placed within the trench approximately 12-inch BGS to re-establish the indicator layer. Parks electrician was on-site to connect wiring from the new conduit to the existing electrical cabinet and new irrigation controller. The attached Site Plan shows the approximate location of today's work.

O **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** Theo Leonard, PE	**DATE** 12-17-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Photographs

Distribution:

Kite Hill Soil Cover Project
Site Plan (12-16-14)

Existing elec'l box.

Wyser back-filled the trench for the elec'l conduit on the south side of the gravel pathway.

Back-filled irrigation trench on the north side of the main east-west pathway.

Proposed irrigation controller.

Z1
12.72
1"

Z2
62.8
1-1/2"

Z2
78.5
1-1/2"

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		12/17/14
Owner:	**Time of Arrival:**	**Report Number:**
City of Seattle	1400	ENV-71
Prepared by:	**Location:**	**Time of Departure:**	**Page:**
Theo Leonard (TL)	Gas Works Park, Seattle, WA	1500	1 of 1
Purpose of visit:	**Weather:**	**Travel Time:**	**Permit Number:**
Construction Observations	Overcast, 50's	0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction

Subcontractor Onsite:

None noted from discussion with Wyser while on-site.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Environmental Activities (Dust Monitoring, Field Screening, Etc...):

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

Today's activities included exporting soil that was generated from tapping the water main and grading the staging area where the baker tanks were located in preparation for hydroseed. The attached Site Plan shows the approximate location of today's work.

	FIELD REPRESENTATIVE	DATE
O **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.	Theo Leonard, PE	12-18-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Photographs

Distribution:

CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1

CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

Exported soil that was generated from tapping the water main.

POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF

CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1

PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1

CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)

TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

Graded staging area in preparation for hydroseed.

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1

EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)

PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED

NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1

NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMP'S AS NEEDED TO CONTROL STORMWATER

NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.

PROPERTY LINE (TYP.)

TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)

SILT FENCE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1

Kite Hill Soil Cover Project
12-17-14

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- STRIPPED CONTOUR
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- EXISTING MONITORING WELL

Know what's below. Call before you dig.

P:\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 26,2015@2:33pm

REFERENCES		REVISIONS										
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BALLE — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PUGET SOUND ENERGY

GEOENGINEERS
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Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers
Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

Field Report

File Number:		
00186-846-01 Task 1401		
Project: Kite Hill Soil Cover Project		Date: 12/18/14
Owner: City of Seattle	Time of Arrival: 1400	Report Number: ENV-73
Prepared by: Theo Leonard (TL)	Location: Gas Works Park, Seattle, WA	Time of Departure: 1530
Page: 1 of 1		
Purpose of visit: Construction Observations	Weather: Overcast, 50's	Travel Time: 0.5 hrs
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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction

Subcontractor Onsite:

None noted from discussion with Wyser while on-site.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Environmental Activities (Dust Monitoring, Field Screening, Etc...):

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

Today's activities included placing straw wattles within the swale for sediment control, raking/grading out the staging area and water-main tap area in preparation for hydroseed, and exporting excess soil from the staging area. Wyser reported that they considered the exported soil from the staging area to be 'clean' material that would go to a recycling center and not the approved disposal facility. The attached Site Plan shows the approximate location of today's work.

O **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** Theo Leonard, PE	**DATE** 12-19-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Photographs

Distribution:

CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1

CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1

POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF

PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1

Raked/graded the water main tap area in preparation for hydroseed.

Graded staging area in preparation for hydroseed.

CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)

TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1

EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)

CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED

PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1

NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1

NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER

NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.

Straw wattles were placed in the swale for sediment control.

PROPERTY LINE (TYP.)

TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)

SILT FENCE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1

Kite Hill Soil Cover Project 12-18-14

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- STRIPPED CONTOUR
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- EXISTING MONITORING WELL

Know what's below. Call before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BALLE — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design Date
Drawn Date
Checked Date
Approved Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 28,2015@2:33pm

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		12/19/14
Owner: City of Seattle	**Time of Arrival:** 1400	**Report Number:** ENV-74
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1500 / **Page:** 1 of 1
Purpose of visit: Construction Observations	**Weather:** Clear, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction

Subcontractor Onsite:

None noted from discussion with Wyser while on-site.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Environmental Activities:

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

Today's activities included raking/grading out the staging area in preparation for hydroseed, exporting the remaining excess soil from the staging area, and adjusting four of the irrigation control valve boxes per direction from Parks. Wyser reported that they considered the exported soil from the staging area to be 'clean' material that would go to a recycling center and not the approved disposal facility. The attached Site Plan shows the approximate location of today's work.

O **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** Theo Leonard, PE	**DATE** 12-22-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Photographs

Distribution:

CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1

CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM) PUMP TO DOWN GRADIENT SEDIMENT TRAP AS NEEDED

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1

PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1

Exported remaining excess soil from the staging area.

POINT OF DISCHARGE FOR [illegible] STORMWATER RUNOFF

CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)

TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

Graded staging area in preparation for hydroseed.

CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1

NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1

EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)

PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1

EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION

PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED

NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1

NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER

NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.

PROPERTY LINE (TYP.)

TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)

SILT FENCE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1

CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)

TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)

CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1

CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1

Kite Hill Soil Cover Project
12-19-14

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- LIMITS OF SOIL COVER
- EXISTING CONTOUR
- STRIPPED CONTOUR
- EXISTING FENCE
- EXISTING STORM LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING POWER LINE
- EXISTING OVERHEAD PIPE
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL
- EXISTING MONITORING WELL

Know what's below. Call before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BALLEW — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 28,2015@2:33pm

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		12/22/14
Owner: City of Seattle	**Time of Arrival:** 1300	**Report Number:** ENV-75
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1400 / **Page:** 1 of 1
Purpose of visit: Construction Observations	**Weather:** Overcast, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction

Subcontractor Onsite:

None noted from discussion with Wyser while on-site.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Environmental Activities:

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

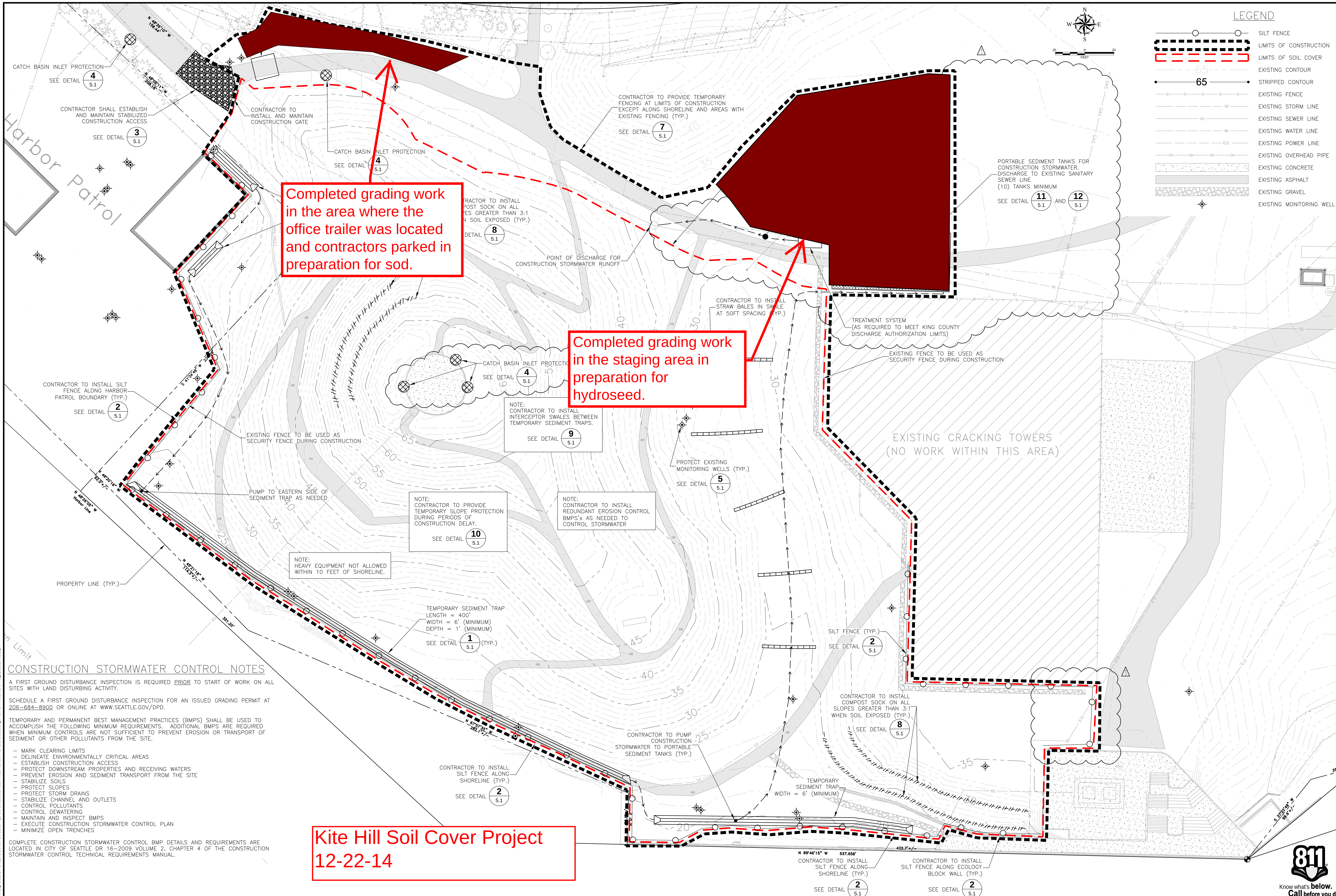
Field Activities Summary:

Today's activities included completing prep work in staging area in order to hydroseed Tuesday (12/23). Completed prep work on the north side of the main east-west pathway where the office trailer was located to install approx 4,000-sq.ft. of sod Tuesday (12/23). The attached Site Plan shows the approximate location of today's work.

	FIELD REPRESENTATIVE	DATE
O **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.	Theo Leonard, PE	12-23-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Photographs

Distribution:



Completed grading work in the area where the office trailer was located and contractors parked in preparation for sod.
Completed grading work in the staging area in preparation for hydroseed.
Kite Hill Soil Cover Project
12-22-14
LEGEND
SILT FENCE
LIMITS OF CONSTRUCTION
LIMITS OF SOIL COVER
EXISTING CONTOUR
STRIPPED CONTOUR
EXISTING FENCE
EXISTING STORM LINE
EXISTING SEWER LINE
EXISTING WATER LINE
EXISTING POWER LINE
EXISTING OVERHEAD PIPE
EXISTING CONCRETE
EXISTING ASPHALT
EXISTING GRAVEL
EXISTING MONITORING WELL
Harbor Patrol
CATCH BASIN INLET PROTECTION SEE DETAIL 4/5.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3/5.1
CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE
CATCH BASIN INLET PROTECTION SEE DETAIL 4/5.1
CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7/5.1
PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11/5.1 AND 12/5.1
CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8/5.1
POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF
CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)
TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
CATCH BASIN INLET PROTECTION SEE DETAIL 4/5.1
CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2/5.1
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9/5.1
EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)
PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5/5.1
PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED
NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10/5.1
NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS'S AS NEEDED TO CONTROL STORMWATER
NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.
PROPERTY LINE (TYP.)
TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1/5.1 (TYP.)
SILT FENCE (TYP.) SEE DETAIL 2/5.1
CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8/5.1
CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2/5.1
TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2/5.1
CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2/5.1
Know what's below. Call before you dig.

CONSTRUCTION STORMWATER CONTROL NOTES

A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.

SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES (BMPS) SHALL BE USED TO ACCOMPLISH THE FOLLOWING MINIMUM REQUIREMENTS. ADDITIONAL BMPS ARE REQUIRED WHEN MINIMUM CONTROLS ARE NOT SUFFICIENT TO PREVENT EROSION OR TRANSPORT OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE.

- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

REFERENCES		REVISIONS					
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		Δ	CONFORMED SET	TJM		TML	CLB

PUGET SOUND ENERGY

GEOENGINEERS
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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		12/23/14
Owner: City of Seattle	**Time of Arrival:** 1300	**Report Number:** ENV-76
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1400 / **Page:** 1 of 1
Purpose of visit: Construction Observations	**Weather:** Overcast, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document construction activities for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction

Subcontractor Onsite:

None noted from discussion with Wyser while on-site.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Environmental Activities:

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

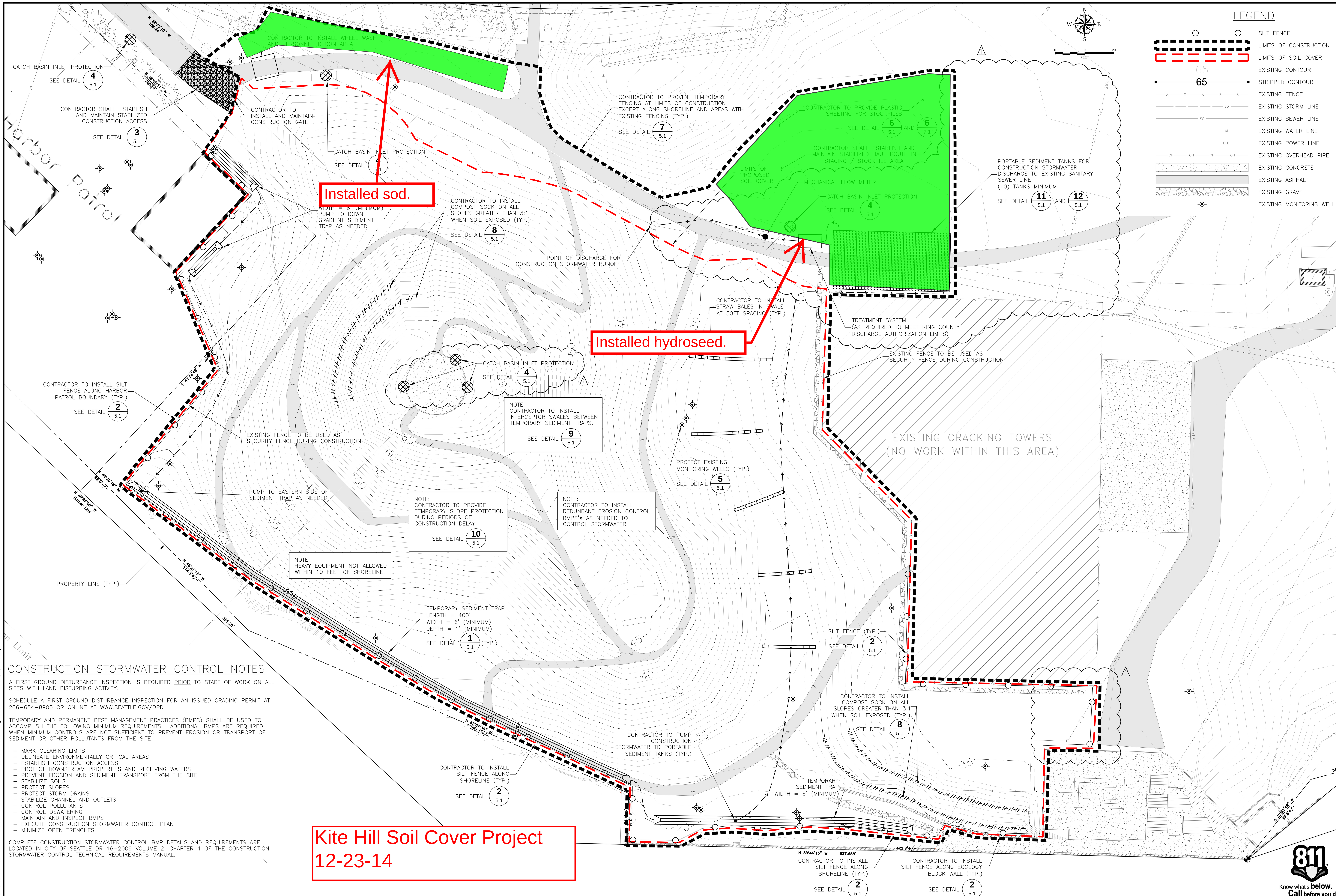
Today's activities included installing hydroseed in the staging area and areas along the pathways around Kite Hill. Sod was installed on the north side of the main east-west pathway where the trailer was located and irrigation installed. The attached Site Plan shows the approximate location of today's work.

Remaining work includes any paving restoration for the main east-west pathway, moving the fences to re-open the main east-west pathway, and the as-built survey.

O **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** Theo Leonard, PE	**DATE** 12-23-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Site Plan, Photographs

Distribution:


Installed sod.
Installed hydroseed.
Kite Hill Soil Cover Project
12-23-14
LEGEND
SILT FENCE
LIMITS OF CONSTRUCTION
LIMITS OF SOIL COVER
EXISTING CONTOUR
STRIPPED CONTOUR
EXISTING FENCE
EXISTING STORM LINE
EXISTING SEWER LINE
EXISTING WATER LINE
EXISTING POWER LINE
EXISTING OVERHEAD PIPE
EXISTING CONCRETE
EXISTING ASPHALT
EXISTING GRAVEL
EXISTING MONITORING WELL
Harbor Patrol
CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED CONSTRUCTION ACCESS SEE DETAIL 3 5.1
CONTRACTOR TO INSTALL AND MAINTAIN CONSTRUCTION GATE
CONTRACTOR TO INSTALL WHEEL WASH AND PERSONNEL DECON AREA
CONTRACTOR TO PROVIDE TEMPORARY FENCING AT LIMITS OF CONSTRUCTION EXCEPT ALONG SHORELINE AND AREAS WITH EXISTING FENCING (TYP.) SEE DETAIL 7 5.1
CONTRACTOR TO PROVIDE PLASTIC SHEETING FOR STOCKPILES SEE DETAIL 6 5.1 AND 6 7.1
CONTRACTOR SHALL ESTABLISH AND MAINTAIN STABILIZED HAUL ROUTE IN STAGING / STOCKPILE AREA
LIMITS OF PROPOSED SOIL COVER
MECHANICAL FLOW METER
CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1
PORTABLE SEDIMENT TANKS FOR CONSTRUCTION STORMWATER. DISCHARGE TO EXISTING SANITARY SEWER LINE (10) TANKS MINIMUM SEE DETAIL 11 5.1 AND 12 5.1
CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1
POINT OF DISCHARGE FOR CONSTRUCTION STORMWATER RUNOFF
CONTRACTOR TO INSTALL STRAW BALES IN SWALE AT 50FT SPACING (TYP.)
TREATMENT SYSTEM (AS REQUIRED TO MEET KING COUNTY DISCHARGE AUTHORIZATION LIMITS)
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
CATCH BASIN INLET PROTECTION SEE DETAIL 4 5.1
NOTE: CONTRACTOR TO INSTALL INTERCEPTOR SWALES BETWEEN TEMPORARY SEDIMENT TRAPS. SEE DETAIL 9 5.1
CONTRACTOR TO INSTALL SILT FENCE ALONG HARBOR PATROL BOUNDARY (TYP.) SEE DETAIL 2 5.1
EXISTING FENCE TO BE USED AS SECURITY FENCE DURING CONSTRUCTION
PUMP TO EASTERN SIDE OF SEDIMENT TRAP AS NEEDED
NOTE: CONTRACTOR TO PROVIDE TEMPORARY SLOPE PROTECTION DURING PERIODS OF CONSTRUCTION DELAY. SEE DETAIL 10 5.1
NOTE: CONTRACTOR TO INSTALL REDUNDANT EROSION CONTROL BMPS's AS NEEDED TO CONTROL STORMWATER
PROTECT EXISTING MONITORING WELLS (TYP.) SEE DETAIL 5 5.1
EXISTING CRACKING TOWERS (NO WORK WITHIN THIS AREA)
NOTE: HEAVY EQUIPMENT NOT ALLOWED WITHIN 10 FEET OF SHORELINE.
PROPERTY LINE (TYP.)
TEMPORARY SEDIMENT TRAP LENGTH = 400' WIDTH = 6' (MINIMUM) DEPTH = 1' (MINIMUM) SEE DETAIL 1 5.1 (TYP.)
SILT FENCE (TYP.) SEE DETAIL 2 5.1
CONTRACTOR TO INSTALL COMPOST SOCK ON ALL SLOPES GREATER THAN 3:1 WHEN SOIL EXPOSED (TYP.) SEE DETAIL 8 5.1
CONTRACTOR TO PUMP CONSTRUCTION STORMWATER TO PORTABLE SEDIMENT TANKS (TYP.)
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1
TEMPORARY SEDIMENT TRAP WIDTH = 6' (MINIMUM)
N 89°46'15" W 537.658'
422.7'+/-
CONTRACTOR TO INSTALL SILT FENCE ALONG SHORELINE (TYP.) SEE DETAIL 2 5.1
CONTRACTOR TO INSTALL SILT FENCE ALONG ECOLOGY BLOCK WALL (TYP.) SEE DETAIL 2 5.1
351.20'
811 Know what's below. Call before you dig.

CONSTRUCTION STORMWATER CONTROL NOTES

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SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

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- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
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- STABILIZE CHANNEL AND OUTLETS
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REFERENCES		REVISIONS												
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		△	CONFORMED SET	TJM		TML	CLB						

Design Date / Drawn Date / Checked Date / Approved Date

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GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		12/30/14
Owner: City of Seattle	**Time of Arrival:** 0900	**Report Number:** ENV-77
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1000 / **Page:** 1 of 1
Purpose of visit: Construction Observations	**Weather:** clear, 30's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction was not onsite at the time of the site visit.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Environmental Activities:

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

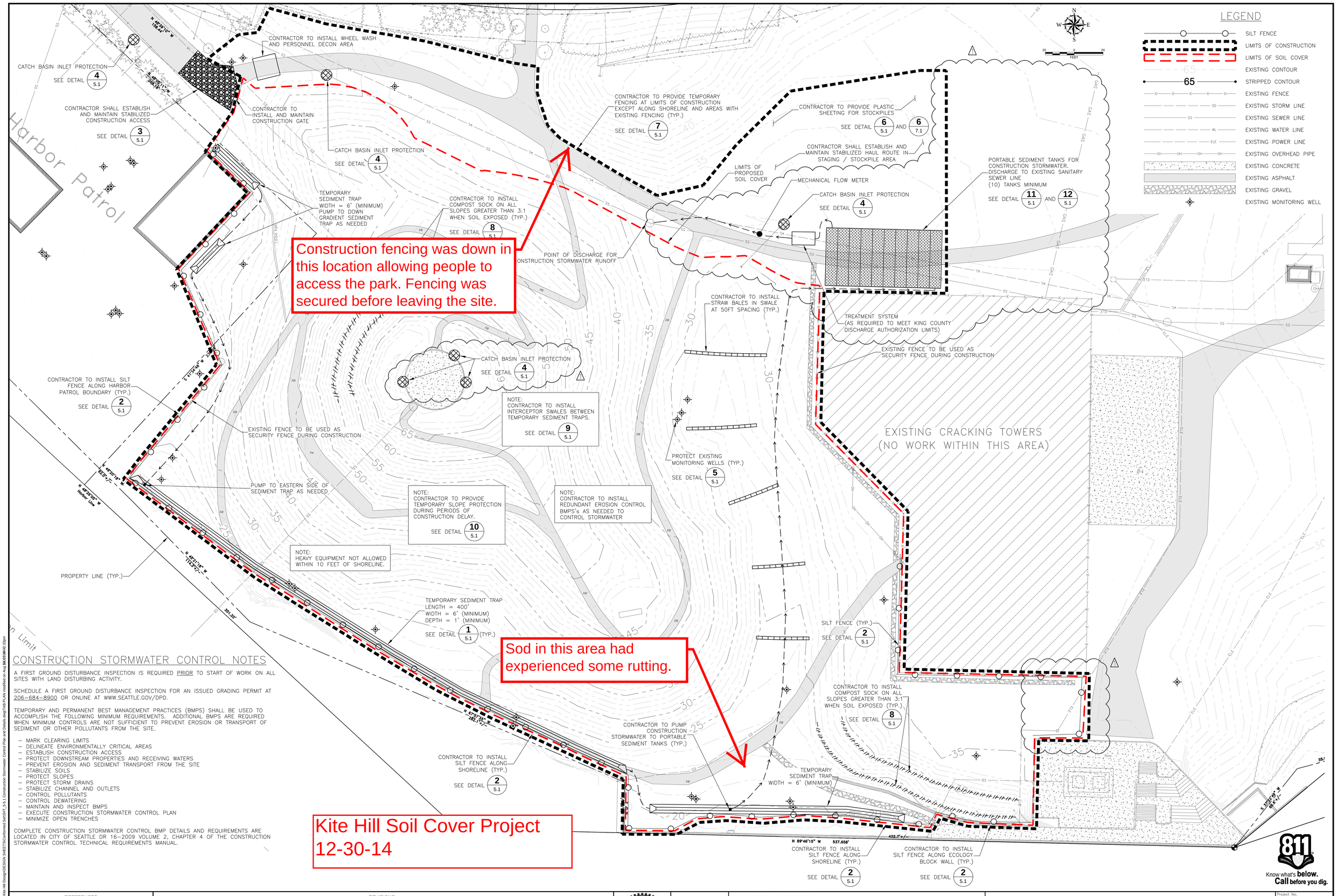
TL visited the site to check on conditions at the site. Upon arriving it was noted that a portion of the fencing on the north side of Kite Hill was not in place allowing people to access the park. TL noted to the people within the Kite Hill area that the fence needed to be put back in place. The people left and TL put the fence back in place.

TL noted that straw wattles were still in place within the swale and around the catch basin north of the swale. It was also noted that a small portion of the sod on the south side of the pathway located at southern end of the swale had been dislodged. No sediment was observed leaving the site during the site visit and all other portions of the site appeared to be stable.

O **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** Theo Leonard, PE	**DATE** 12-31-2014
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Photographs

Distribution:



CONSTRUCTION STORMWATER CONTROL NOTES

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SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED GRADING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD.

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- MARK CLEARING LIMITS
- DELINEATE ENVIRONMENTALLY CRITICAL AREAS
- ESTABLISH CONSTRUCTION ACCESS
- PROTECT DOWNSTREAM PROPERTIES AND RECEIVING WATERS
- PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE SITE
- STABILIZE SOILS
- PROTECT SLOPES
- PROTECT STORM DRAINS
- STABILIZE CHANNEL AND OUTLETS
- CONTROL POLLUTANTS
- CONTROL DEWATERING
- MAINTAIN AND INSPECT BMPS
- EXECUTE CONSTRUCTION STORMWATER CONTROL PLAN
- MINIMIZE OPEN TRENCHES

COMPLETE CONSTRUCTION STORMWATER CONTROL BMP DETAILS AND REQUIREMENTS ARE LOCATED IN CITY OF SEATTLE DR 16-2009 VOLUME 2, CHAPTER 4 OF THE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL.

Know what's **below.** **Call** before you dig.

REFERENCES		REVISIONS											
DRAWING NUMBER	REFERENCE DRAWING TITLE	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D	NO.	DESCRIPTION	BY	DATE	CHK'D	APP'D
		1	CONFORMED SET	TJM		TML	CLB						

CHRISTOPHER LEWIS BALLEW — STATE OF WASHINGTON — 39963 — REGISTERED PROFESSIONAL ENGINEER

Design	Date
Drawn	Date
Checked	Date
Approved	Date

PSE PUGET SOUND ENERGY

GEOENGINEERS
600 Stewart Street, Suite 1700
Seattle, WA 98101
Telephone (206) 728-2674

GAS WORKS PARK, KITE HILL SOIL COVER PROJECT
SEATTLE, WASHINGTON

CONSTRUCTION STORMWATER CONTROL PLAN

Project No. 0186846-01
Drawing No. 5.0
Sheet 5 of 13

P:\0186846\001\CAD\Task 1400 Kite Hill Design\DESIGN SHEETS\Conformed Set\SHT_5-5.1 Construction Stormwater Control Plan and Details.dwg\TAB PLAN modified on Aug 26, 2015 - 2:33pm

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		1/07/15
Owner: City of Seattle	**Time of Arrival:** 0900	**Report Number:** ENV-78
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1015 / **Page:** 1 of 1
Purpose of visit: Observations	**Weather:** overcast, 40's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public around the limits of construction, slips, trips, and falls.

Environmental Activities:

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

TL visited the site to check on conditions at the site. Reviewed conditions on the north and east side of the harbor patrol building. Did not note any standing water, ponded areas, or obvious areas of water intrusion into the building.

Noted bio-genic material within the swale. Straw wattles had been removed from the within the swale area.

Orange fencing had been installed around the staging area and the straw wattle around the catch basin within the staging area had been removed.

The concrete pad for the new irrigation controller had been installed north of the hydrant.

O **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** Theo Leonard, PE	**DATE** 1-07-2015
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Photographs

Distribution:

GeoEngineers

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Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		1/19/15
Owner: City of Seattle	**Time of Arrival:** 1430	**Report Number:** ENV-79
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1530 / **Page:** 1 of 1
Purpose of visit: Observations	**Weather:** clear, high 40's/low 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

TL visited the site to check on conditions and noted the following:

- Hydroseed in the staging area has not grown and the area is inundated with water, subsequently feeding the swale with a constant stream of water.
- There was no ponding or saturated areas noted along the eastern edge of Harbor Patrol where it was reported that water had intruded into the building. There has not been any reports of flooding within the building since the original event occurred between Dec 23rd and Dec 29th, 2015.
- The eroded area south of swale near the shoreline grew in size since the previous site visit and could use repair.
- Sod panels within the swale had become dislodged due to the previous rain events (approx. 2-inch of rain between 1/15 and 1/18). It was also noted that sediment from the staging area had accumulated in the swale.
- The general public had removed some of the fencing and there were multiple people walking throughout the project area.

	FIELD REPRESENTATIVE	DATE
O **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.	Theo Leonard, PE	2-04-2015
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Photographs

Distribution:

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Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		1/26/15
Owner: City of Seattle	**Time of Arrival:** 1600	**Report Number:** ENV-80
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1700 / **Page:** 1 of 1
Purpose of visit: Observations	**Weather:** clear, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

TL visited the site to check on conditions and noted the following:

- Hydroseed in the staging area has not grown and the area is inundated with water, subsequently feeding the swale with a constant stream of water.
- The eroded area south of swale near the shoreline grew in size since the previous site visit and has not been repaired.
- Sod panels within the swale have not been repaired. Biogenic material was noted within the swale area.
- The general public had removed some of the fencing and there were multiple people walking throughout the project area.

O **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** Theo Leonard, PE	**DATE** 2-04-2015
X **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** Shashi Shankar	**DATE** 02-06-2015

Attachments: Photographs

Distribution:

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Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		2/09/15
Owner: City of Seattle	**Time of Arrival:** 1000	**Report Number:** ENV-81
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1200 / **Page:** 1 of 1
Purpose of visit: Observations	**Weather:** overcast, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit Closed
- King County Waste Discharge Compliance Monitoring: Permit Closed

Field Activities Summary:

TL visited the site with Shashi Shankar and Drew with Brennan. The purpose of the visit was to perform an initial landscape punchlist and to check on conditions with the following noted:

- Hydroseed in the staging area has not grown and the area is inundated with water, subsequently feeding the swale with a constant stream of water.
- The eroded area south of swale near the shoreline grew in size since the previous site visit and has not been repaired.
- Sod panels within the swale have not been repaired.
- There was no standing water or pooling along the east side of the Harbor Patrol building where flooding had previously been reported.

O **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** Theo Leonard, PE	**DATE** 2-27-2015
X **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** Shashi Shankar	**DATE** 5-28-2015

Attachments: Photographs

Distribution:

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(206) 728-2674

Field Report

File Number: 00186-846-01 Task 1401

Project: Kite Hill Soil Cover Project			Date: 2/12/15
Owner: City of Seattle		Time of Arrival: 1200	Report Number: ENV-82
Prepared by: Theo Leonard (TL)	Location: Gas Works Park, Seattle, WA	Time of Departure: 1300	Page: 1 of 2
Purpose of visit: Observations	Weather: overcast, 50's	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser Construction (Dan Reynolds).

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site with Shashi Shankar (SS) to observe a flood test outside Harbor Patrol Building that was performed by Wyser. We notified Harbor Patrol office and the maintenance shop (Jerry) prior to beginning the test.

Ground conditions at the Park appeared to be well saturated. Two different tests were conducted. For the first test, Wyser sprayed water on the building roof to check the water flow through the two downspouts on the east side of the building. Total duration of the test was about 10 minutes. One of the downspouts (northern downspout on the east side of the building) appears to be clogged as we noticed water backing up. Water was not observed inside the building at the completion of this test.

O **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** Theo Leonard, PE	**DATE** 2-27-2015
X **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** Shashi Shankar	**DATE** 5-28-2015

Attachments: Photographs

Distribution:

The second test involved flooding the east edge of the building for 10 minutes. We observed water sheet flow over the asphalt surface with minimal ponding along the edges. We periodically checked the inside of the building for presence of water. No water was observed inside the building.

It appears that the water flooding previously reported may have resulted from the following:

1. Blackberry bushes lined the edge of the building prior to construction. These bushes were trimmed down as part of construction activities. It is possible that water may have infiltrated through the voids left behind after pulling some of the bushes. We noticed that the blackberry bushes are starting to grow again and will likely fill in the voids, if any.
2. The external wooden boards by the clogged downspout appears to be rotting. There is a possibility that the water backing up within the spout may get behind the boards and into the building via cracks.

We informed Jerry about the clogged downspout. We also requested Jerry to keep us informed if they notice building flooding in the future. Jerry noted that he had not noticed any flooding last week when the park received more than 2 inches of rain over a span of 2 or 3 days.

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Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		2/24/15
Owner: City of Seattle	**Time of Arrival:** 1400	**Report Number:** ENV-83
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1530 / **Page:** 1 of 1
Purpose of visit: Observations	**Weather:** Partially overcast, 40's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site to check on conditions and noted the following:

- Hydroseed in the staging area has not grown and dry weather the last couple weeks has helped to relieve ponded water within the staging area and swale.
- The eroded area south of swale near the shoreline has not grown in size since the previous site visit and has not been repaired.
- Sod panels within the swale have not been repaired.
- Sod panels along the western portion of the shoreline had been dislodged, most likely from geese. The contractor was made aware and requested to repair the sod panels.
- No flooding has been reported from Harbor Patrol since the initial report that occurred in early January, 2015.

O **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** Theo Leonard, PE	**DATE** 2-27-2015
X **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** Shashi Shankar	**DATE** 5/28/2015

Attachments: Photographs

Distribution:

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Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		3/04/15
Owner: City of Seattle	**Time of Arrival:** 1500	**Report Number:** ENV-84
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1600 / **Page:** 1 of 1
Purpose of visit: Observations	**Weather:** clear, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site to check on conditions and noted the following:

- Hydroseed in the staging area has not grown and dry weather the last couple weeks has helped to relieve ponded water within the staging area and swale.
- The catch basin within the staging area had soil removed from around the lid/grate.
- The eroded area south of swale near the shoreline has not grown in size since the previous site visit and the contractor has installed straw wattles to try and protect the eroded area.
- Sod panels within the swale have not been repaired.
- Sod panels along the western portion of the shoreline had been dislodged, most likely from geese. The contractor was made aware and requested to repair the sod panels.
- No flooding has been reported from Harbor Patrol since the initial report that occurred in early January, 2015.

	FIELD REPRESENTATIVE	DATE
O **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.	Theo Leonard, PE	3-05-2015
X **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** Shashi Shankar	**DATE** 5/28/2015

Attachments: Photographs

Distribution:

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600 Stewart Street, Suite 1700
Seattle, WA 98101
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Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		3/18/15
Owner: City of Seattle	**Time of Arrival:** 0800	**Report Number:** ENV-85
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 0900 / **Page:** 1 of
Purpose of visit: Observations	**Weather:** clear, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site to check on conditions and noted the following:

- Per conversation with staff at Harbor Patrol the maintenance building had experienced flooding in the southeast area over the weekend (3/14 - 3/15) when there were heavy rains. Staff with Harbor Patrol noted flooding had previously occurred near the central portion of the eastern wall, and that the location of the flooding for the latest event was in-line with a downspout on the exterior of the building. This downspout was noted previously to be clogged during the flood test performed at the Site.
- Hydroseed in the staging area has not grown and wet weather the last few days has caused water to pond within the staging area and swale.
- The eroded area south of swale near the shoreline has not grown in size since the previous site visit and the contractor has installed straw wattles to try and protect the eroded area.
- Sod panels within the swale have not been repaired and a biogenic material was noted.
- Sod panels along the western portion of the shoreline had been dislodged, most likely from geese. The contractor was made aware and requested to repair the sod panels.

	FIELD REPRESENTATIVE	DATE
O **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.	Theo Leonard, PE	3-18-2015
X **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** Shashi Shankar	**DATE** 5/28/2015

Attachments: Photographs

Distribution:

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Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		3/25/15
Owner: City of Seattle	**Time of Arrival:** 0900	**Report Number:** ENV-86
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1000 / **Page:** 1 of 1
Purpose of visit: Observations	**Weather:** overcast, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site to check on conditions and noted the following:

- Grass in the staging area has started to grow and wet weather the last few days has caused water to pond within the staging area and swale.
- The eroded area south of swale near the shoreline has not grown in size since the previous site visit and the contractor has installed straw wattles to try and protect the eroded area.
- Sod panels within the swale have not been repaired.
- Sod panels along the western portion of the shoreline had been dislodged, most likely from geese. The contractor was made aware and requested to repair the sod panels.
- Staining (small localized area on asphalt with biogenic material) was noted at the intersection of the main east-west path and path to the sun dial. The staining was noted to have spread down gradient due to what appeared to be transport by stormwater runoff.

O **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** Theo Leonard, PE	**DATE** 4-06-2015
X **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** Shashi Shankar	**DATE** 5/28/2015

Attachments: Photographs

Distribution:

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Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		4/03/15
Owner: City of Seattle	**Time of Arrival:** 0900	**Report Number:** ENV-87
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1000 / **Page:** 1 of 1
Purpose of visit: Observations	**Weather:** overcast, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document conditions for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site to check on conditions and noted the following:

- It appeared the grass around Kite Hill had been mowed and seed placed in areas along the path where hydroseed did not previously grow.
- The pathway on the south side of kite hill to the benches appears to be experiencing some kneading.
- Grass in the staging area continues to grow and wet weather the last few days has caused water to pond within the swale.
- The eroded area south of swale near the shoreline has not grown in size since the previous site visit and the contractor has installed straw wattles to try and protect the eroded area.
- Sod panels within the swale have not been repaired.
- Sod panels along the western portion of the shoreline had been dislodged, most likely from geese. The contractor was made aware and requested to repair the sod panels.
- Staining (biogenic material) was noted at the intersection of the main east-west path and path to the sun dial. The staining was noted to have spread down gradient due to what appeared to be transport by stormwater runoff.

	FIELD REPRESENTATIVE	DATE
O **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.	Theo Leonard, PE	4-06-2015
X **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** Shashi Shankar	**DATE** 5-28-2015

Attachments: Photographs

Distribution:

GeoEngineers

Plaza 600 Building
600 Stewart Street, Suite 1700
Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		4/13/15
Owner:	**Time of Arrival:**	**Report Number:**
City of Seattle	1130	ENV-88
Prepared by:	**Location:**	**Time of Departure:**	**Page:**
Theo Leonard (TL), Shashi Shankar (SS)	Gas Works Park, Seattle, WA	1300	1 of 2
Purpose of visit:	**Weather:**	**Travel Time:**	**Permit Number:**
Observations	overcast, 50's	0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document remaining items for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL and SS visited the site to document remaining construction and/or restoration items associated with the punch list and noted the following:

1. Repair the eroded area on south side of the pathway and north side as needed including regrading of surface to distribute the surface water flow over a larger area to avoid the channelized flow, reconditioning grass surface per Part 3.03 of Contract Specification Section 02920.
2. Repair of swale area including removal of existing sod panels and reconditioning per Landscape Architect's recommendations.
3. Recondition material staging area including removal of leftover Type 17 per Part 3.03 of Contract Specification Section 02920 (Landscape Architect to confirm).
4. Restoration of asphalt pathway.
5. Cleanout of catch basin and storm sewer in the material staging area and repair/provide outlet protection for storm sewer per Detail 4, Drawing 9.2.

O **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** Theo Leonard, PE	**DATE** 4-13-2015
X **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** Shashi Shankar	**DATE** 5/28/2015

Attachments: Photographs

Distribution:

6. Raise the elevation of two catch basins (around the sun dial area) by approximately 4-inches (address potential tripping hazard).
7. Maxicom protection – Install a galvanized 4-inch, concrete filled bollard at the SE corner of the Maxicom concrete pad.
8. Seed bare spots per recommendations from Landscape Architect.
9. Remove existing sod panels along shoreline and western boundary, and recondition/seed per Landscape Architect recommendations
10. Irrigation coverage testing per coordination between Landscape Architect and Parks.
11. Remove staining on pathway/s.
12. Final as-built survey.

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Field Report

File Number:	
00186-846-01 Task 1401	
Project: Kite Hill Soil Cover Project	Date: 4/22/15
Owner: City of Seattle	Time of Arrival: 1030 / Report Number: ENV-89
Prepared by: Theo Leonard (TL), Shashi Shankar (SS)	Location: Gas Works Park, Seattle, WA / Time of Departure: 1300 / Page: 1 of 1
Purpose of visit: Observations	Weather: Slightly overcast, 50's / Travel Time: 0.5 hrs / 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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document remaining items for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None noted.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL and SS visited the site with PSE, Parks, Wyser, and Brennan&Associates to review and document remaining construction and/or restoration items associated with the punch list. The final punch list and associated figure showing the listed items has been attached.

O **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** Theo Leonard, PE	**DATE** 4-23-2015
X **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** Shashi Shankar	**DATE** 5/28/2015

Attachments: Photographs

Distribution:

GeoEngineers

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Seattle, WA 98101
(206) 728-2674

Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		4/30/15
Owner: City of Seattle	**Time of Arrival:** 1100	**Report Number:** ENV-90
Prepared by: Theo Leonard (TL)	**Location:** Gas Works Park, Seattle, WA	**Time of Departure:** 1230 / **Page:** 1 of 2
Purpose of visit: Observations	**Weather:** Slightly overcast, 50's	**Travel Time:** 0.5 hrs / **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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document remaining items for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

Northwest Asphalt – peformed asphalt restoration.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site to document work associated with the punch list and noted the following:

1. *Repair the eroded area on south side of the pathway and north side as needed including regrading of surface to distribute the surface water flow over a larger area to avoid the channelized flow, reconditioning grass surface per Part 3.03 of Contract Specification Section 02920.* It appeared some raking and reconditioning of the eroded area had occurred. The final as-built survey will be used along with additional site observations to document surface water flow on the south side of the swale.

2. *Repair of swale area including removal of existing sod panels and reconditioning per Landscape Architect's recommendations.* The existing dead sod panels had been removed but it did not appear the swale had been reconditioned.

O **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** Theo Leonard, PE	**DATE** 5-01-2015
X **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** Shashi Shankar	**DATE** 5-28-2015

Attachments: Photographs

Distribution:

3. *Recondition material staging area including removal of leftover Type 17 per Part 3.03 of Contract Specification Section 02920 (Landscape Architect to confirm).* Landscape Architect to confirm if staging area reconditioned per recommendations.

4. *Restoration of asphalt pathway.* Wyser was performing restoration work to the main east-west pathway including the area between the swale and staging area, and western entrance during the visit. Restoration to the pathway on the south side of Kite Hill had already occurred.

5. *Cleanout of catch basin and storm sewer in the material staging area and repair/provide outlet protection for storm sewer per Detail 4, Drawing 9.2.* It appeared the outlet protection repair had occurred but did not appear the catch basin and storm line had been cleaned out.

6. *Raise the elevation of two catch basins (around the sun dial area) by approximately 4-inches (address potential tripping hazard).* The elevation of the two catch basins located on the east and west sides of the sun dial had been raised to grade.

7. *Maxicom protection – Install a galvanized 4-inch, concrete filled bollard at the SE corner of the Maxicom concrete pad.* A galvanized bollard had been installed on the southeast corner of the Maxicom.

8. *Seed bare spots per recommendations from Landscape Architect.* Bare spots had been seeded and Landscape Architect will document if recommendations have been met.

9. *Remove existing sod panels along shoreline and western boundary, and recondition/seed per Landscape Architect recommendations.* Wyser had removed dead sod panels and seeded bare spots along the shoreline and western boundary.

10. *Irrigation coverage testing per coordination between Landscape Architect and Parks.* Coverage test had not been completed.

11. *Remove staining on pathway/s.* Staining had not been removed from the northern pathway.

12. *Final as-built survey.* The final as-built survey had not been completed.

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600 Stewart Street, Suite 1700
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FIELD REPORT

File Number: 00186-846-01 Task 1401			
Project: Kite Hill Soil Cover Project			Date: 5/07/15
Owner: City of Seattle		Time of Arrival: 1000	Report Number: ENV-91
Prepared by: Theo Leonard (TL)	Location: Gas Works Park, Seattle, WA	Time of Departure: 1100	Page: 1 of 2
Purpose of visit: Observations	Weather: Clear, 50's	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document remaining items for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site to document work associated with the punch list and noted the following:

1. *Repair the eroded area on south side of the pathway and north side as needed including regrading of surface to distribute the surface water flow over a larger area to avoid the channelized flow, reconditioning grass surface per Part 3.03 of Contract Specification Section 02920.* It appeared seed and/or compost had been placed on the south side of the swale; however, approximately 0.5-inch of rain had fallen during the previous two days causing a high enough runoff rate that some of the seed/compost from the swale was washed from the north side of the pathway to the south side of the pathway.

2. *Repair of swale area including removal of existing sod panels and reconditioning per Landscape Architect's recommendations.* The existing dead sod panels had been removed and it appeared the swale had been reconditioned; however, per notes on Item 1 above the swale will need to be reconditioned.

O **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** Theo Leonard, PE	**DATE** 5-12-2015
X **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** Shashi Shankar	**DATE** 5/28/2015

Attachments: Photographs

Distribution:

3. *Recondition material staging area including removal of leftover Type 17 per Part 3.03 of Contract Specification Section 02920 (Landscape Architect to confirm).* Landscape Architect to confirm if staging area reconditioned per recommendations. It was noted during the visit that some valve work to the irrigation system was occurring within the staging area.

4. *Restoration of asphalt pathway.* Previously completed. Some ponding was noted at the intersection of the ADA pathway and main east-west pathway.

5. *Cleanout of catch basin and storm sewer in the material staging area and repair/provide outlet protection for storm sewer per Detail 4, Drawing 9.2.* It appeared the outlet protection repair had occurred but did not appear the catch basin and storm line had been cleaned out.

6. *Raise the elevation of two catch basins (around the sun dial area) by approximately 4-inches (address potential tripping hazard).* Previously completed.

7. *Maxicom protection – Install a galvanized 4-inch, concrete filled bollard at the SE corner of the Maxicom concrete pad.* Previously completed.

8. *Seed bare spots per recommendations from Landscape Architect.* Bare spots had been seeded and Landscape Architect will document if recommendations have been met.

9. *Remove existing sod panels along shoreline and western boundary, and recondition/seed per Landscape Architect recommendations.* Wyser had removed dead sod panels and Landscape Architect will document if recommendations have been met.

10. *Irrigation coverage testing per coordination between Landscape Architect and Parks.* Coverage test documented by Landscape Architect.

11. *Remove staining on pathway/s.* Staining had not been removed from the northern pathway.

12. *Final as-built survey.* The final as-built survey had not been completed.

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Seattle, WA 98101
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Field Report

File Number:	
00186-846-01 Task 1401	

Project:		Date:
Kite Hill Soil Cover Project		5/13/15
Owner:	**Time of Arrival:**	**Report Number:**
City of Seattle	1000	ENV-92
Prepared by:	**Location:**	**Time of Departure:**	**Page:**
Theo Leonard (TL)	Gas Works Park, Seattle, WA	1100	1 of 2
Purpose of visit:	**Weather:**	**Travel Time:**	**Permit Number:**
Observations	Overcast, 50's	0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document remaining items for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site to document work associated with the punch list and noted the following:

1. *Repair the eroded area on south side of the pathway and north side as needed including regrading of surface to distribute the surface water flow over a larger area to avoid the channelized flow, reconditioning grass surface per Part 3.03 of Contract Specification Section 02920.* It appeared seed and/or compost had been placed on the south side of the swale; however, approximately 0.5-inch of rain had fallen during the previous two days causing a high enough runoff rate that some of the seed/compost from the swale was washed from the north side of the pathway to the south side of the pathway.

2. *Repair of swale area including removal of existing sod panels and reconditioning per Landscape Architect's recommendations.* The existing dead sod panels had been removed and it appeared the swale had been reconditioned; however, per notes on Item 1 above the swale will need to be reconditioned.

O **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** Theo Leonard, PE	**DATE** 5-15-2015
X **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** Shashi Shankar	**DATE** 5/28/2015

Attachments: Photographs

Distribution:

3. *Recondition material staging area including removal of leftover Type 17 per Part 3.03 of Contract Specification Section 02920 (Landscape Architect to confirm).* Landscape Architect to confirm if staging area reconditioned per recommendations. It was noted during the visit that some valve work to the irrigation system was occurring within the staging area.

4. *Restoration of asphalt pathway.* Previously completed. Some ponding was noted at the intersection of the ADA pathway and main east-west pathway.

5. *Cleanout of catch basin and storm sewer in the material staging area and repair/provide outlet protection for storm sewer per Detail 4, Drawing 9.2.* Outlet protection repair previously completed. It did not appear the catch basin and storm line had been cleaned out.

6. *Raise the elevation of two catch basins (around the sun dial area) by approximately 4-inches (address potential tripping hazard).* Previously completed.

7. *Maxicom protection – Install a galvanized 4-inch, concrete filled bollard at the SE corner of the Maxicom concrete pad.* Previously completed.

8. *Seed bare spots per recommendations from Landscape Architect.* Bare spots had been seeded and Landscape Architect will document if recommendations have been met.

9. *Remove existing sod panels along shoreline and western boundary, and recondition/seed per Landscape Architect recommendations.* Wyser had removed dead sod panels and Landscape Architect will document if recommendations have been met.

10. *Irrigation coverage testing per coordination between Landscape Architect and Parks.* The coverage test with Parks was on-going and documented by the Landscape Architect.

11. *Remove staining on pathway/s.* Staining had not been removed from the northern pathway.

12. *Final as-built survey.* The final as-built survey had not been completed.

GeoEngineers

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600 Stewart Street, Suite 1700
Seattle, WA 98101
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Field Report

File Number:	
00186-846-01 Task 1401	
Project: Kite Hill Soil Cover Project	Date: 5/26/15
Owner: City of Seattle	Time of Arrival: 1000 / Report Number: ENV-93
Prepared by: Theo Leonard (TL)	Location: Gas Works Park, Seattle, WA / Time of Departure: 1100 / Page: 1 of 2
Purpose of visit: Observations	Weather: Overcast, 60's / Travel Time: 0.5 hrs / 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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document remaining items for the Kite Hill Soil Cover Project.

General Contractor Onsite:

None.

Subcontractor Onsite:

None.

Health and Safety:

Health and safety items observed while onsite included weather, PPE, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: Not applicable.
- Ecology CSWGP Compliance Monitoring: Permit closed.
- King County Waste Discharge Compliance Monitoring: Permit closed.

Field Activities Summary:

TL visited the site to document work associated with the punch list and noted the following:

1. *Repair the eroded area on south side of the pathway and north side as needed including regrading of surface to distribute the surface water flow over a larger area to avoid the channelized flow, reconditioning grass surface per Part 3.03 of Contract Specification Section 02920.* It appeared seed and/or compost had been placed on the south side of the swale to repair the work from previous washout.

2. *Repair of swale area including removal of existing sod panels and reconditioning per Landscape Architect's recommendations.* The existing dead sod panels had previously been removed and it appeared the swale had been reconditioned to repair it from the previous washout per notes from Item 1 above. Hydroseed for this area completed with City of Seattle bio-filtration mix per Landscape Architect's recommendation and approval by Parks.

	FIELD REPRESENTATIVE	DATE
O **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.	Theo Leonard, PE	5-27-2015
X **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** Shashi Shankar	**DATE** 5/28/2015

Attachments: Photographs

Distribution:

3. *Recondition material staging area including removal of leftover Type 17 per Part 3.03 of Contract Specification Section 02920 (Landscape Architect to confirm).* Landscape Architect to confirm if staging area reconditioned per recommendations.

4. *Restoration of asphalt pathway.* Previously completed.

5. *Cleanout of catch basin and storm sewer in the material staging area and repair/provide outlet protection for storm sewer per Detail 4, Drawing 9.2.* Outlet protection repair previously completed. It did not appear the catch basin and storm line had been cleaned out.

6. *Raise the elevation of two catch basins (around the sun dial area) by approximately 4-inches (address potential tripping hazard).* Previously completed.

7. *Maxicom protection – Install a galvanized 4-inch, concrete filled bollard at the SE corner of the Maxicom concrete pad.* Previously completed.

8. *Seed bare spots per recommendations from Landscape Architect.* Bare spots had been seeded and Landscape Architect will document if recommendations have been met.

9. *Remove existing sod panels along shoreline and western boundary, and recondition/seed per Landscape Architect recommendations.* Wyser had previously removed dead sod panels and Landscape Architect will document if recommendations have been met.

10. *Irrigation coverage testing per coordination between Landscape Architect and Parks.* The coverage test was documented by the Landscape Architect.

11. *Remove staining on pathway/s.* Staining had not been removed from the northern pathway.

12. *Final as-built survey.* The final as-built survey had not been provided.

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Seattle, WA 98101
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FIELD REPORT

File Number: 00186-846-01 Task 1401

Project: Kite Hill Soil Cover Project			Date: 6/15/15
Owner: City of Seattle		Time of Arrival: 1030	Report Number: ENV-94
Prepared by: Theo Leonard (TL)	Location: Gas Works Park, Seattle, WA	Time of Departure: 1200	Page: 1 of 2
Purpose of visit: Observations	Weather: Clear, 70's	Travel Time: 0.5 hrs	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)

GeoEngineers visited Gas Works Park located at 1801 N Northlake Way in Seattle, Washington. The purpose of the visit was to observe and document remaining items for the Kite Hill Soil Cover Project.

General Contractor Onsite:

Wyser

Subcontractor Onsite:

National Rent a Fence – removing construction fencing

Health and Safety:

Health and safety items observed while onsite included weather, PPE, working around equipment, being alert to the public, slips, trips, and falls.

Environmental Activities:

- Field Screening: No staining or odor was encountered and no PID readings were taken.
- Ecology CSWGP Compliance Monitoring: There was no discharge of sediment from the site observed.
- King County Waste Discharge Compliance Monitoring: There was no discharge to the sewer system.

Field Activities Summary:

TL visited the site to document the re-opening of Kite Hill, and any remaining work associated with the punch list and noted the following:

Wyser was on-site as well as the sub-contractor National Rent-a-Fence. The subcontractor was removing the construction fence while Wyser installed temporary orange fencing around the swale. The Kite Hill area had be re-opened with the public utilizing the park. Parks was not present during the site visit.

1. *Repair the eroded area on south side of the pathway and north side as needed including regrading of surface to distribute the surface water flow over a larger area to avoid the channelized flow, reconditioning grass surface per Part 3.03 of Contract Specification Section 02920.* It appeared seed and/or compost had been placed on the south side of the swale. The as-built topographic survey will be utilized to determine if the grading in the area is aligned with the proposed grades.

O **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** Theo Leonard, PE	**DATE** 6-16-2015
X **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** Shashi Shankar	**DATE** 6-17-2015

Attachments: Photographs

Distribution:

2. *Repair of swale area including removal of existing sod panels and reconditioning per Landscape Architect's recommendations.* The existing dead sod panels had previously been removed and it appeared the swale had been reconditioned to repair it from the previous washout. Orange fencing was being installed around the swale area and will be left in place until the grass within in the swale is determined to be suitable for access by the public.

3. *Recondition material staging area including removal of leftover Type 17 per Part 3.03 of Contract Specification Section 02920 (Landscape Architect to confirm).* Landscape Architect to make final determination to confirm if staging area reconditioned per recommendations.

4. *Restoration of asphalt pathway.* Previously completed.

5. *Cleanout of catch basin and storm sewer in the material staging area and repair/provide outlet protection for storm sewer per Detail 4, Drawing 9.2.* Outlet protection repair previously completed. Wyser reported they would remove the catch basin filter insert after installing the orange fence around the swale. The catch basin will be inspected during the next site visit to determine if it and the associated storm line were cleaned out per recommendations.

6. *Raise the elevation of two catch basins (around the sun dial area) by approximately 4-inches (address potential tripping hazard).* Previously completed.

7. *Maxicom protection – Install a galvanized 4-inch, concrete filled bollard at the SE corner of the Maxicom concrete pad.* Previously completed.

8. *Seed bare spots per recommendations from Landscape Architect.* Bare spots had been seeded and Landscape Architect will make final determination if recommendations have been met.

9. *Remove existing sod panels along shoreline and western boundary, and recondition/seed per Landscape Architect recommendations.* Wyser had previously removed dead sod panels and Landscape Architect will document if recommendations have been met.

10. *Irrigation coverage testing per coordination between Landscape Architect and Parks.* The coverage test was documented by the Landscape Architect.

11. *Remove staining on pathway/s.* Staining had not been removed from the northern pathway.

12. *Final as-built survey.* A preliminary as-built topographic survey has been provided; however; some park features were absent from the survey and a revised topographic survey is anticipated.

APPENDIX M
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:		Date:
Kite Hill Soil Cover Project		8/18/14
Owner:	**Time of Arrival:**	**Report Number:**
City of Seattle	0950	GT-1
Prepared by:	**Location:**	**Time of Departure:**	**Page:**
Whitney Ciani, PE	Gas Works Park, Seattle, WA	1130	1 of 1
Purpose of visit:	**Weather:**	**Travel Time:**	**Permit Number:**
Construction Observations	Sunny, Clear, 70s	1.0 hrs	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 attend the preconstruction meeting with representatives of City of Seattle Department of Planning and Development (DPD), Seattle Public Utilities (SPU), Wyser Construction (Wyser) and GeoEngineers in support of the Kite Hill Soil Cover project. Representatives on site included:

Whitney Ciani – GeoEngineers
Michael Gray - GeoEngineers
Theo Leonard – GeoEngineers
Chris Bailey – GeoEngineers
Shashi Shankar – GeoEngineers
Dan Reynolds – Wyser
Pete Rude – SPU
Kathleen Wilson – DPD
Titus Tramble – DPD

Preconstruction Meeting

While on site we reviewed Geotechnical Special Inspection tasks with Kathleen Wilson of DPD. These tasks include:

1. Monitor grading season restriction
2. Verify fill and compaction, including placement of new capping fill
3. Observe and monitor excavation
4. Subsurface drainage installation
5. Monitor slope stability
6. Erosion control - Temporary
7. Erosion control - Permanent

During our preconstruction meeting we discussed the work schedule for the project and determined that it would be prudent to apply for a dry season grading extension. This task will be completed by Whitney Ciani.

☐ **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** Whitney Ciani, PE	**DATE** 8/18/2014
☒ **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** 8/18/2014

Attachments: None

Distribution: PSE, City of Seattle Parks Department, Wyser, DPD, 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: 09/02/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-2
Prepared by: Michael A. Gray	Location: Gasworks Park, Seattle, WA	Time of Departure: 1630	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: Overcast, ~60°	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 (contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Temporary Erosion Control

We observed the contractor install silt fence along the southeast corner of the property (see attached site plan). The contractor also installed quarry rock along the south side of the access lane where truck traffic was seen to be affecting the sod. We also observed that the contractor had previously installed a silt fence along the west and south side of the site along with infiltration trenches along the west side of the site.

Other Topics

We attended the construction meeting on site. The project was discussed in detail according to the meeting agenda provided by Shashi Shankar of GeoEngineers. We were asked to include Wyser Construction on the distribution list for the Geotechnical field reports and also that we will need to begin characterizing the soil on site for possible use as fill.

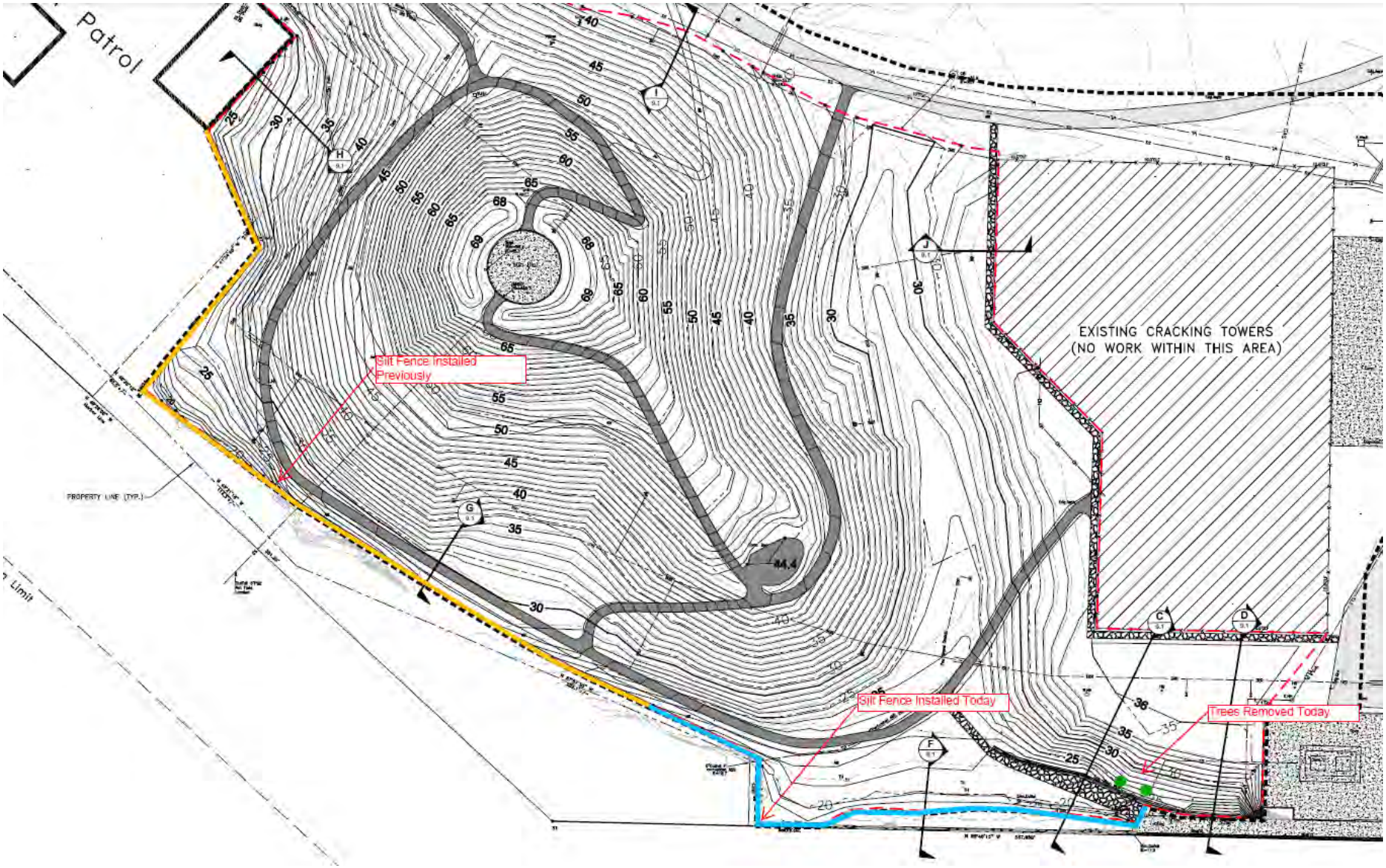
The contractor had five Baker tanks delivered to the site. They also removed the west and middle tree along the southeast area of the site. It is our understanding that they will remove the east tree tomorrow.

☐ **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 A. Gray	**DATE** 09/02/14
☒ **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** 09/02/14

Attachments: Site Plan

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

Site Plan


Patrol
Silt Fence Installed Previously
EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
PROPERTY LINE (TYP.)
Silt Fence Installed Today
Trees Removed Today

GeoEngineers

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206.728.2674

Field Report

File Number:		
00186-846-01 Task 1401.70		
Project: Kite Hill Soil Cover Project		Date: 09/03/14
Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-3
Prepared by: Michael A. Gray	Location: Gasworks Park, Seattle, WA	Time of Departure: 0830	Page: 1 of 2
Purpose of visit: Construction Observations	Weather: Overcast, ~60°	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 and Dan Reynolds of Wyser Construction (contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Temporary Erosion Control

We observed the at-grade site conditions to consist mainly of sod/turf that slopes down from kite hill to the boundary of the site properties. At this time temporary erosion and sedimentation control efforts included personnel tasked with cleaning soil that migrates onto hard surfaces during excavation as well as infiltration trenches/silt fencing along the south and west perimeter of the site. The contractor also installed quarry spalls on the edge of asphalt pavement trucking route that is being used to deliver baker tanks on site. 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 and specifications.

Other Topics

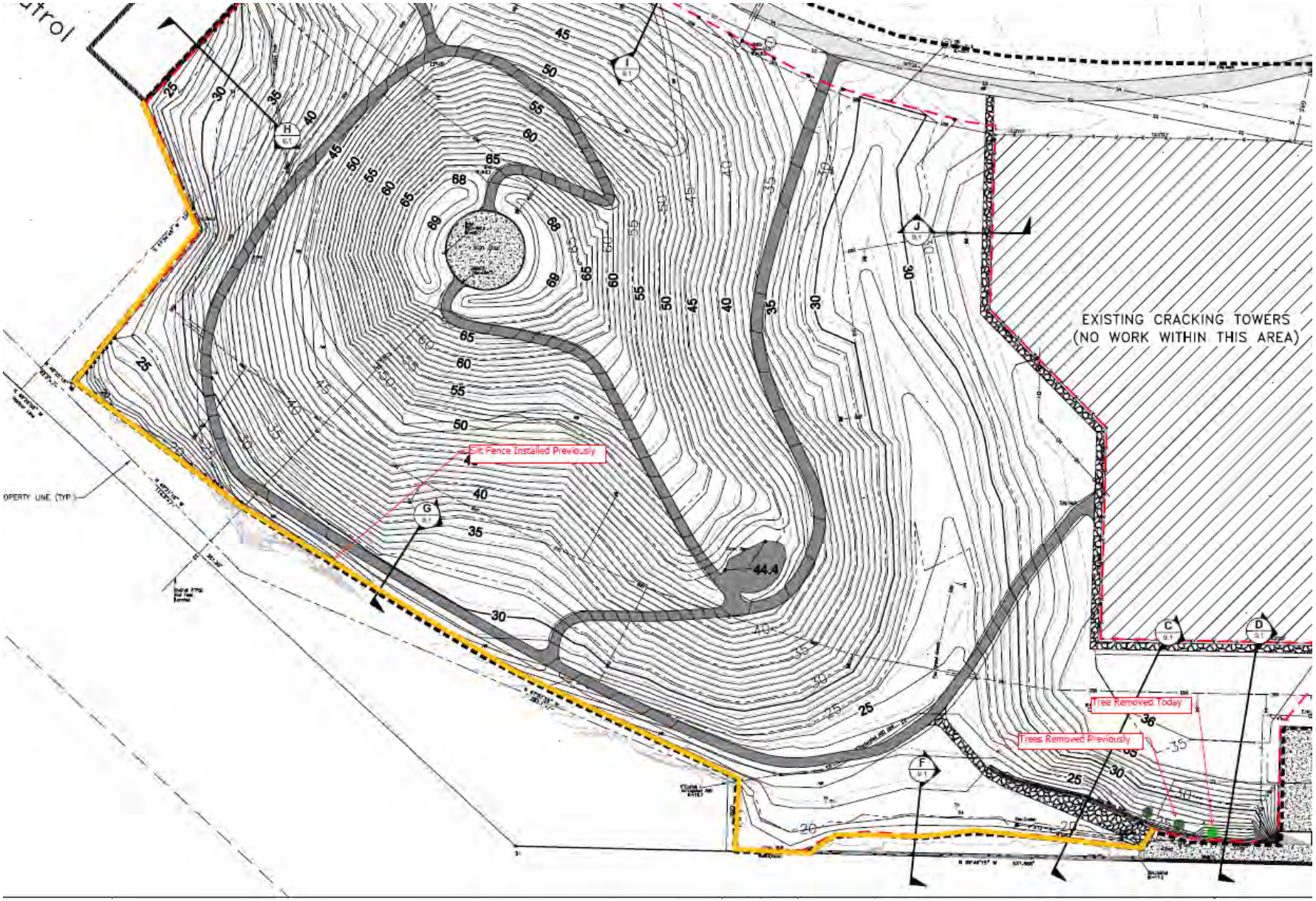
The contractor removed a tree along the southeast area of the site, as shown on the attached site plan.

	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.	Michael A. Gray	09/03/14
☒ 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 09/03/14

Attachments: Site Plan

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

Site Plan


EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
Silt Fence Installed Previously
Tree Removed Today
Trees Removed Previously
OPERTY LINE (TYP.)

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206.728.2674

Field Report

File Number:	
00186-846-01 Task 1401.70	

Project:		Date:
Kite Hill Soil Cover Project		09/04/14
Owner:	**Time of Arrival:**	**Report Number:**
City of Seattle	0700	GT-4
Prepared by:	**Location:**	**Time of Departure:**	**Page:**
Michael A. Gray	Gasworks Park, Seattle, WA	1500	1 of 3
Purpose of visit:	**Weather:**	**Travel Time:**	**Permit Number:**
Construction Observations	Overcast, ~60°	1 hr	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

We observed the earthwork contractor excavating the sod/turf along the west and north sides of kite hill. The contractor removed the sod/turf along the top berm near the sun dial down the slope approximately 50 feet from the top berm. The contractor utilized a track hoe with a flat bucket to remove approximately 3 to 4 inches of sod/turf down the face of Kite Hill and approximately 8 inches along the berm of Kite Hill (see attached site plan).

The contractor continued tilling in the area east of Kite Hill (see attached site plan). The contractor utilized a John Deere tractor with a rear mounted tiller to reach the 12 inches of soil tilling that the plans specify.

Slope Stability

Excavation activities occurred along the face of Kite Hill today, as described above. The 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**	**DATE**
	Michael A. Gray	09/04/14
☒ **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	09/04/14

Attachments: Site Plan

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

Temporary Erosion Control

We observed the at-grade site conditions to consist mainly of sod/turf that slope down from kite hill to the boundary of the site properties. At this time temporary erosion and sedimentation control efforts included personnel tasked with cleaning soil that migrates onto hard surfaces during excavation, infiltration trenches/silt fencing with rock dams along the south and west perimeter of the site, and quarry spalls installed along the edge of asphalt pavement trucking route that is being used to deliver baker tanks on site. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor also installed a catch basin in the southwest corner of the site in line with the infiltration trenches. The catch basin is approximately 2 feet by 3 feet by 3 feet deep. It is our understanding that a pump will be placed at the bottom of the catch basin and water pumped to baker tanks on site during storm events.

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 and specifications.

Site Plan


Infiltration Trenches Installed Previously
Sod Removed Today
Silt Fence Installed Previously
Catch Basin Installed Today
Infiltration Trenches Installed Today
Area Where Tilling Continued
EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)

GeoEngineers

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206.728.2674

Field Report

File Number:		
00186-846-01 Task 1401.70		
Project: Kite Hill Soil Cover Project		Date: 09/05/14
Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-5
Prepared by: Michael A. Gray	Location: Gasworks Park, Seattle, WA	Time of Departure: 1830	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, 80°	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 representatives of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation

We observed the earthwork contractor excavating the sod/turf along the south and east sides of kite hill. The contractor removed the sod/turf along the top berm near the sun dial down the slope approximately 50 feet from the top berm. The contractor utilized a track hoe with a flat bucket to remove approximately 3 to 4 inches of sod/turf down the face of Kite Hill and approximately 18 inches along the berm of Kite Hill (see attached site plan).

The contractor continued tilling in the area east of Kite Hill (see attached site plan). The contractor utilized a John Deere tractor with a rear mounted tiller to reach the 12 inches of soil tilling that the plans specify. The contractor encountered trace concrete, brick and metal debris during tilling.

Slope Stability

Excavation activities occurred along the face of Kite Hill today, as described above. The 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.	Michael A. Gray	09/05/14
☒ **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	09/05/14

Attachments: Site Plan

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

Temporary Erosion Control

We observed the at-grade site conditions to consist mainly of sod/turf that slope down from Kite Hill to the boundary of the site properties. At this time temporary erosion and sedimentation control efforts included personnel tasked with cleaning soil that migrates onto hard surfaces during excavation, infiltration trenches/silt fencing with rock dams along the south and west perimeter of the site, and quarry spalls installed along the edge of asphalt pavement trucking route. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The contractor installed a catch basin in the middle of the south wall of the site in line with the infiltration trenches installed today. The catch basin is approximately 2 feet by 3 feet by 3 feet deep. It is our understanding that a pump will be placed at the bottom of the catch basin and accumulated water will be pumped to Baker tanks on site during storm events.

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 and specifications.

Site Plan


Infiltration Trenches Installed Previously
Sod Removed Previously
Sod Removed Today
Area Tilled Previously
Area Tilled Today
(NO WORK WITHIN THIS AREA)
Silt Fence Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Today
Infiltration Trenches Installed Today

GeoEngineers

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Field Report

File Number:		
00186-846-01 Task 1401.70		
Project: Kite Hill Soil Cover Project		Date: 09/08/14
Owner: City of Seattle	Time of Arrival: 0645	Report Number: GT-6
Prepared by: Michael A. Gray	Location: Gasworks Park, Seattle, WA	Time of Departure: 1515	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, 70°	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

We observed the earthwork contractor excavating the sod/turf along the west property line. The contractor removed the sod/turf down the west side of the property line. The contractor utilized a track hoe with a flat bucket to remove approximately 12 inches of sod/turf at the property line and grades to 3 inches of sod/turf removal where the sod/turf area meets the proposed till area (see attached site plan).

The contractor continued tilling all of the site (see attached site plan). The contractor utilized a John Deere tractor with a rear mounted tiller and a bobcat with a front mounted till approximately 2 to 3 inches throughout most of the site (see attached site plan). The contractor encountered occasional concrete, brick and metal debris during tilling.

The contractor began exporting brush and sod/turf and importing Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) for the site. The driver made 5 export loads and 3 import loads.

Slope Stability

Excavated sod/turf was loaded and hauled away from Kite Hill around the around the base of the slope. The hill remained stable during excavation and hauling

	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 Whitney L. Ciani, PE	DATE 09/08/14

Attachments: Site Plan

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

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

We observed the at-grade site conditions to consist mainly of sod/turf that slope down from Kite Hill to the boundary of the site properties. At this time temporary erosion and sedimentation control efforts included personnel tasked with cleaning soil that migrates onto hard surfaces during excavation, infiltration trenches/silt fencing with rock dams along the south and west perimeter of the site, and quarry spalls installed along the edge of asphalt pavement trucking route. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

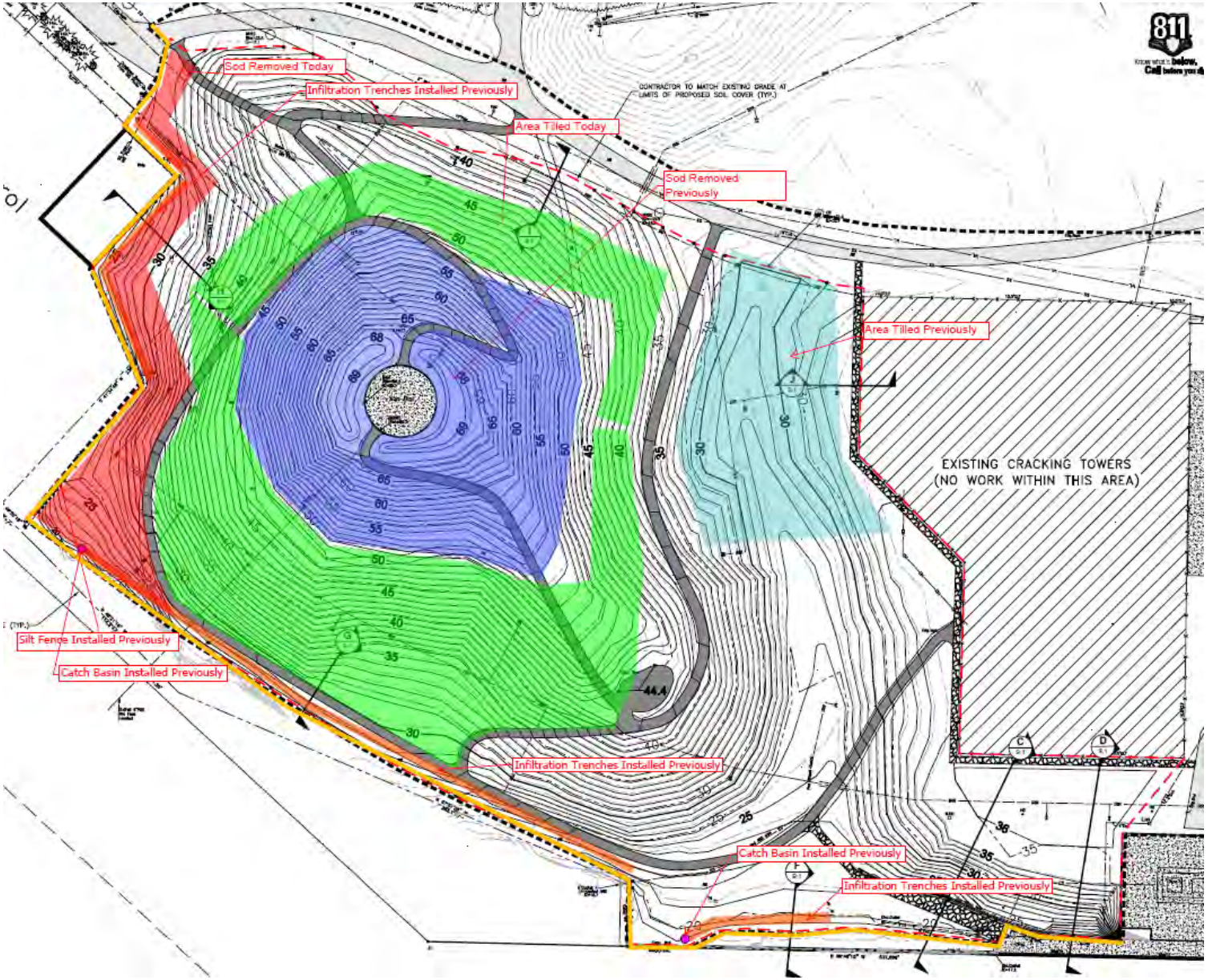
Representatives of Baker Corp were on site today to work on connecting the Baker tanks on site to the two areas that were previously installed with catch basins.

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 and specifications.

Other

It was discovered in the morning that vandals got into the site over the weekend. The driver side window of the water truck was broken by a rock that was found in the passenger seat. Vandals also broke/tore down fencing around the site. The contractor repaired the damaged fencing today.

Site Plan


Sod Removed Today
Infiltration Trenches Installed Previously
Area Tilled Today
Sod Removed Previously
Area Tilled Previously
EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
Silt Fence Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously
Catch Basin Installed Previously
Infiltration Trenches Installed Previously

GeoEngineers

Plaza 600 Building
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Field Report

File Number:		
00186-846-01 Task 1401.70		
Project: Kite Hill Soil Cover Project		Date: 09/09/14
Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-7
Prepared by: Michael A. Gray	Location: Gasworks Park, Seattle, WA	Time of Departure: 1230	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, 70°	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 and Dan Reynolds of Wyser Construction (Earthwork Contractor). Our observations and understandings of the construction activities are summarized in the following sections.

Excavation

We observed the contractor continue tilling most areas of the site (see attached site plan). The contractor utilized a John Deere tractor with a rear mounted tiller and a bobcat with a front mounted tiller to break up and mix the sod and roots (see attached site plan). The till depth varied across the site between approximately 2 to 8 inches. The contractor encountered occasional concrete, brick and metal debris during tilling. Debris exceeding 4-inches in size was removed. It is our understanding that the contractor will continue tilling areas until the soil appears free of sod, roots, and organics and is inspected and deemed acceptable by the geotechnical engineer.

The contractor continued exporting sod from the areas that were stripped previously and importing Type 17 gravel borrow for the site. Two trucks were being used to export and import material. The sod material was being exported to Robanko and the import material was imported from CalPortland and is being stockpiled on site.

Slope Stability

Sod that was previously stripped from Kite Hill was being transported and stockpiled near the loading area so that the sod can be hauled offsite. The 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

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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** 09/10/14

Attachments: Site Plan

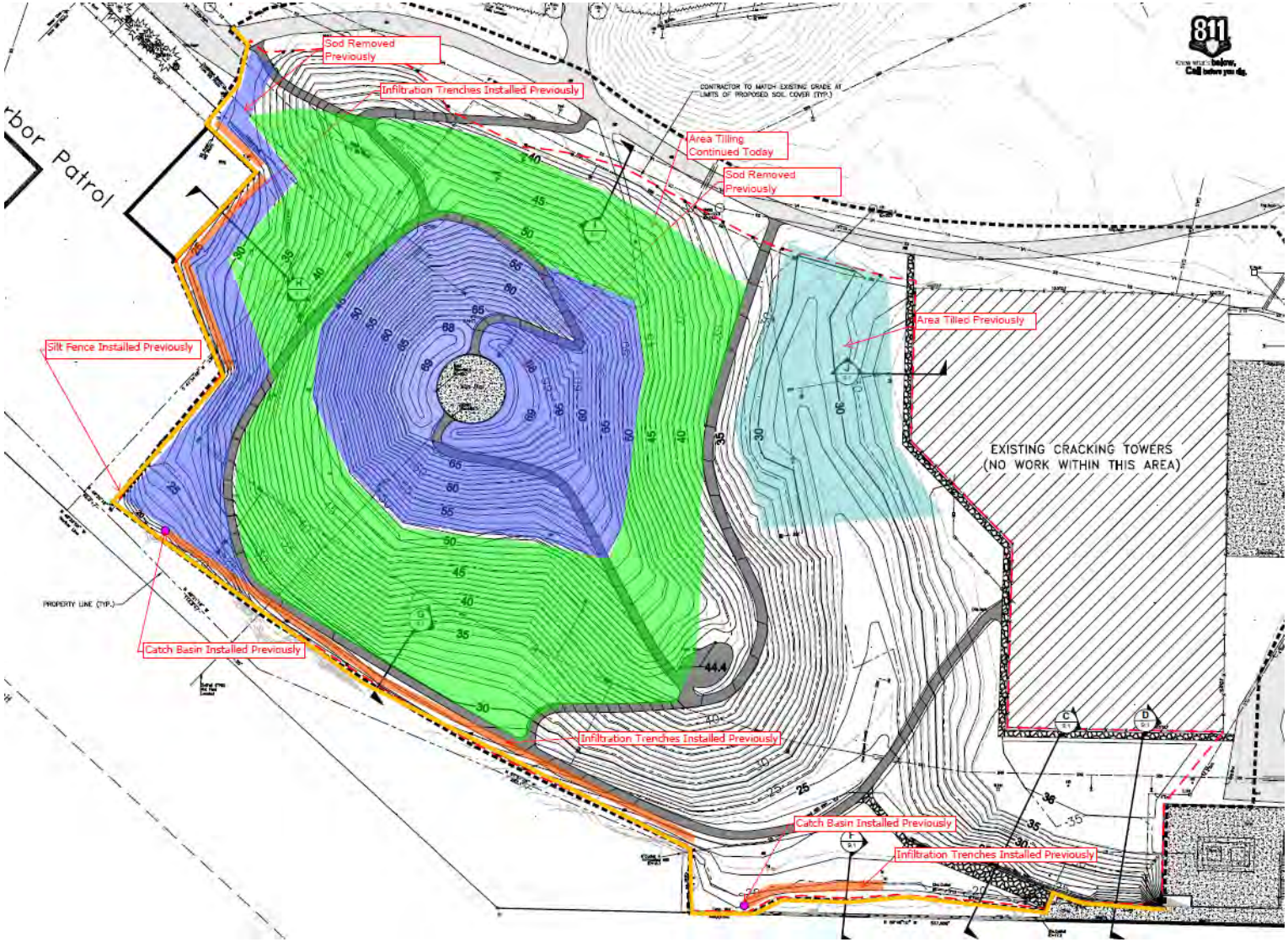
Distribution: PSE, City of Seattle Parks Department, DPD, Wyser Construction, File

We observed the at-grade site conditions to consist mainly of sod/turf that slope down from kite hill to the boundary of the site properties. At this time temporary erosion and sedimentation control efforts included personnel tasked with cleaning soil that migrates onto hard surfaces during excavation, infiltration trenches/silt fencing with rock dams along the south and west perimeter of the site, and quarry spalls installed along the edge of asphalt pavement trucking route. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

The representatives from Baker Corp finished installing the pump and tubing for the southeast catch basin to the baker tanks. It is our understanding that they will be back out on site sometime later this week to connect the southwest catch basin to the baker tanks.

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 and specifications.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Area Tilling Continued Today
Sod Removed Previously
Area Tilled Previously
Silt Fence Installed Previously
EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
PROPERTY LINE (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:		Date:
Kite Hill Soil Cover Project		09/10/14
Owner: City of Seattle	**Time of Arrival:** 0730	**Report Number:** GT-8
Prepared by: Michael A. Gray	**Location:** Gasworks Park, Seattle, WA	**Time of Departure:** 1515	**Page:** 1 of 3
Purpose of visit: Construction Observations	**Weather:** Sunny, 75°	**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

We observed the contractor continue tilling north and east of kite hill (see attached site plan). The contractor utilized a John Deere tractor with a rear mounted tiller and a bobcat with a front mounted tiller to break up and mix the sod and roots. The tilled areas were deemed acceptable after the material was clear of sod clumps and large organics. The areas probed between 8 and 10 inches. The contractor was also removing debris (brick, concrete, asphalt, metal) larger than 4 inches in diameter. See attached site plan for areas that tilling has been completed.

The contractor continued exporting sod from the areas that were stripped previously and importing Type 17 gravel borrow for the site. Two trucks were being used to export and import material. The sod material was being exported to Robanko and the import material was imported from CalPortland.

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

We observed the at-grade site conditions to consist mainly of sod and tilled soil that slope down from kite hill to the boundary of the site properties. At this time temporary erosion and sedimentation control efforts included personnel tasked with cleaning soil that migrates onto hard surfaces during excavation, infiltration trenches/silt fencing with rock dams along the south and west perimeter of the site, and quarry spalls installed along the edge of asphalt pavement trucking route. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

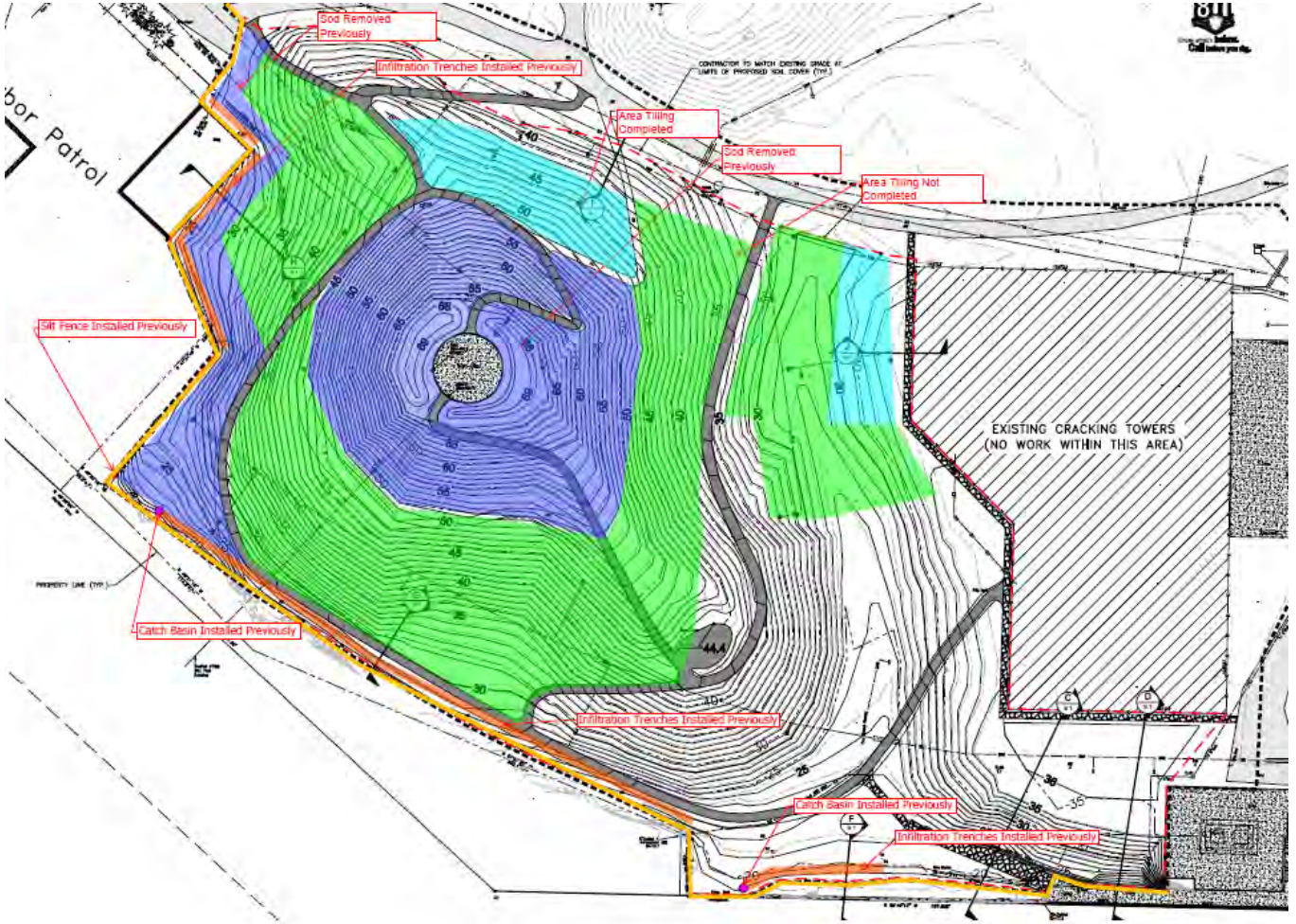
	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Michael A. Gray	09/10/14
☒ **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** 09/11/14

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 and specifications.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Area Tilling Completed
Sod Removed Previously
Area Tilling Not Completed
Silt Fence Installed Previously
EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
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: 09/11/14
Owner: City of Seattle	Time of Arrival: 0830	Report Number: GT-9
Prepared by: Michael A. Gray	Location: Gasworks Park, Seattle, WA	Time of Departure: 1530	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, 75°	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

We observed the contractor continue tilling the area east and south of kite hill (see attached site plan). The contractor utilized a John Deere tractor with a rear mounted tiller and a bobcat with a front mounted tiller to break up and mix the sod and roots. The tilled areas were deemed acceptable after the material was clear of sod clumps and large organics. The areas probed between 8 and 10 inches. The contractor was also removing debris (brick, concrete, asphalt, metal) larger than 4 inches in diameter from the tilled area. See attached site plan for areas that tilling has been completed.

After tilling was complete, the contractor compacted the tilled area by tracking back and forth across the area using track mounted construction equipment. The compacted areas were observed to be free of pumping soil conditions and appeared firm under foot.

The contractor continued exporting sod from the areas that were stripped previously and importing Type 17 gravel borrow for the site. Two trucks were being used to export and import material. The sod material was being exported to Robanko and the Type 17 was imported from CalPortland.

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.	Michael A. Gray	09/11/14
☒ **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** Whitney L. Ciani, PE	**DATE** 09/12/14

Attachments: Site Plan

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

Temporary Erosion Control

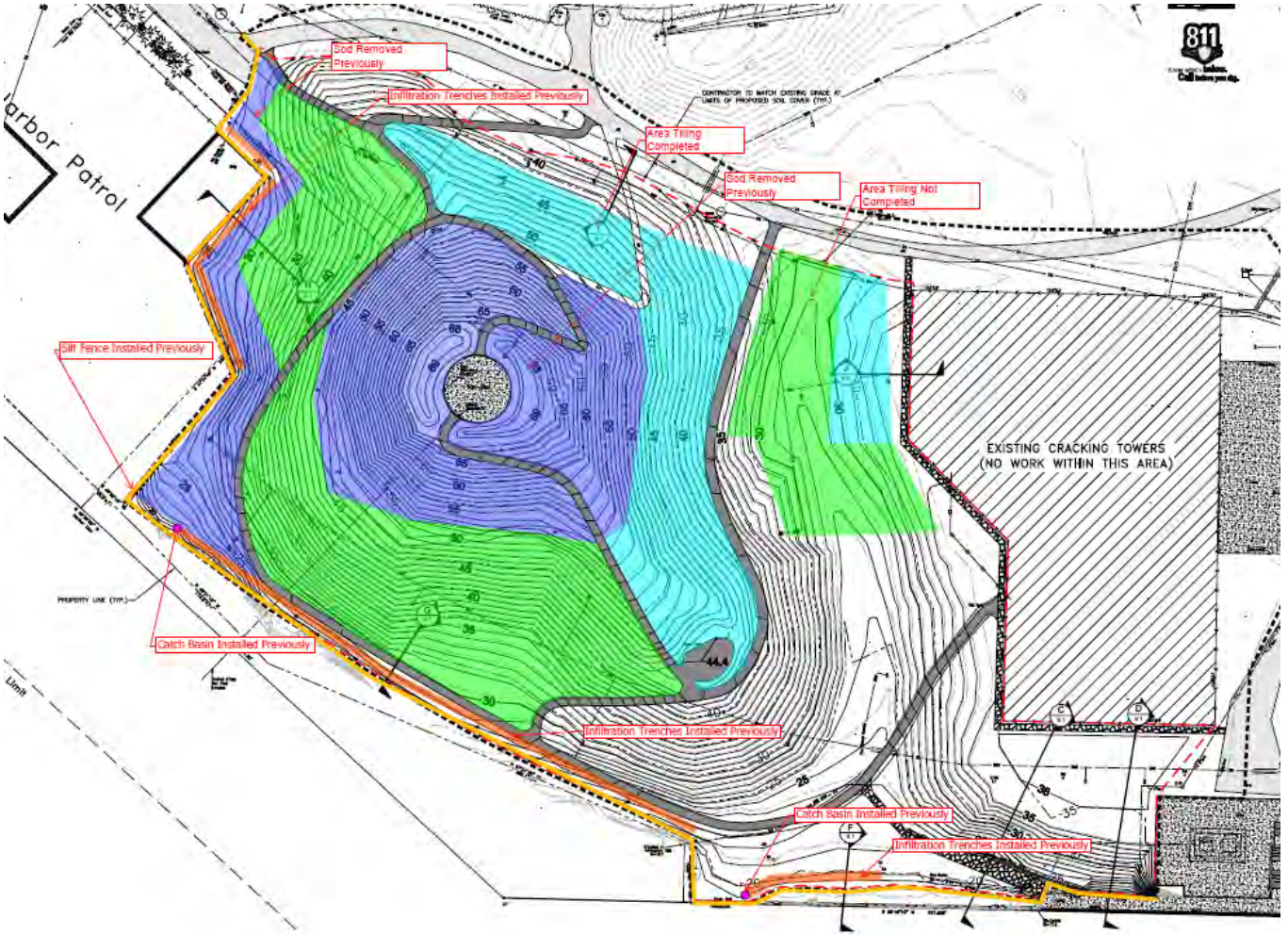
We observed the at-grade site conditions to consist mainly of sod and tilled soil that slope down from kite hill to the boundary of the site properties. At this time temporary erosion and sedimentation control efforts included personnel tasked with cleaning soil that migrates onto hard surfaces during excavation, infiltration trenches/silt fencing with rock dams along the south and west perimeter of the site, and quarry spalls installed along the edge of 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 and specifications.

Other

Two track mounted dump trucks were delivered to the site in the afternoon. It is our understanding they will be used to increase productivity and haul away asphalt and sod to the stockpile area for loading of trucks for export.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
Area Tilling Completed
Sod Removed Previously
Area Tilling Not Completed
Silt Fence Installed Previously
EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
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: 09/12/14
Owner: City of Seattle	Time of Arrival: 0745		Report Number: GT-10
Prepared by: Eamaan Tabatabai	Location: Gasworks Park, Seattle, WA	Time of Departure: 1130	Page: 1 of 3
Purpose of visit: Construction Observations	Weather: Sunny, 75°	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

We observed the contractor removing debris (brick, concrete, asphalt, metal) larger than 4 inches in diameter using a mini-excavator. See attached site plan for areas that tilling has been completed. There was no tilling activity while we were on-site today.

The contractor continued exporting sod from the areas that were stripped previously and importing Type 17 gravel borrow for the site. Two trucks were being used to export and import material. The sod material was being exported to Robanko and the import material was imported from Glacier.

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

We observed the at-grade site conditions to consist mainly of sod and tilled soil that slope down from kite hill to the boundary of the site properties. At this time temporary erosion and sedimentation control efforts included personnel tasked with cleaning soil that migrates onto hard surfaces during excavation, infiltration trenches/silt fencing with rock dams along the south and west perimeter of the site, and quarry spalls installed along the edge of asphalt pavement trucking route. These efforts were observed to be functioning as intended so that soil was not observed to be leaving the site.

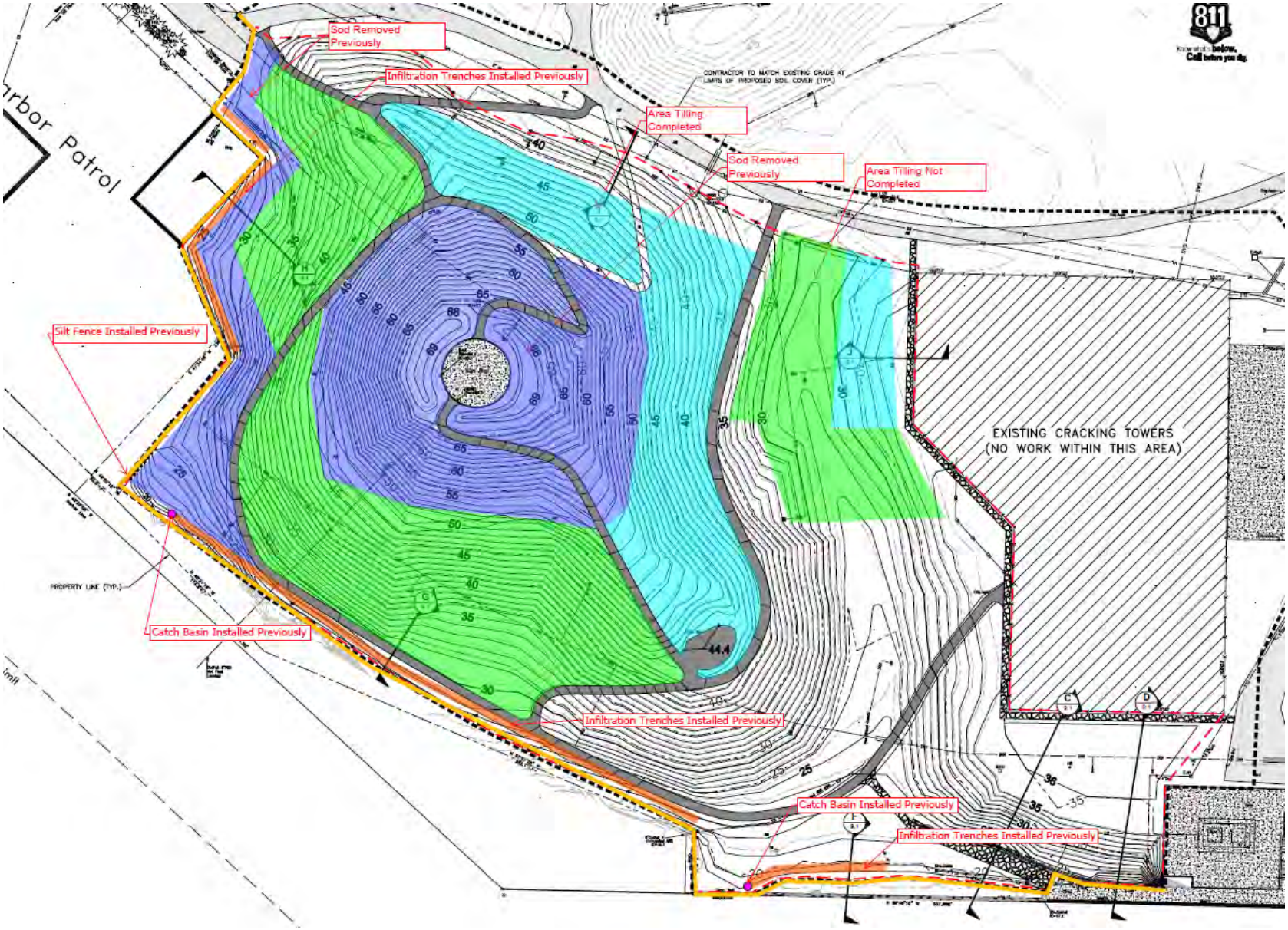
	FIELD REPRESENTATIVE	DATE
☐ **THIS FIELD REPORT IS PRELIMINARY** A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.	Eamaan Tabatabai	09/12/14
☒ **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** Whitney L. Ciani, PE	**DATE** 09/15/14

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 and specifications.

Site Plan


Sod Removed Previously
Infiltration Trenches Installed Previously
CONTRACTOR TO MATCH EXISTING GRADE AT LIMITS OF PROPOSED SOIL COVER (TYP.)
Area Tilling Completed
Sod Removed Previously
Area Tilling Not Completed
Silt Fence Installed Previously
EXISTING CRACKING TOWERS
(NO WORK WITHIN THIS AREA)
PROPERTY LINE (TYP.)
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:		Date:
Kite Hill Soil Cover Project		09/15/14
Owner:	**Time of Arrival:**	**Report Number:**
City of Seattle	0745	GT-11
Prepared by:	**Location:**	**Time of Departure:**	**Page:**
Eamaan Tabatabai	Gasworks Park, Seattle, WA	1530	1 of 4
Purpose of visit:	**Weather:**	**Travel Time:**	**Permit Number:**
Construction Observations	Sunny, 80°	1 hr	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

We observed the contractor continue tilling the area south of Kite Hill (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 areas were deemed acceptable after the material was clear of sod clumps and large organics. The areas probed between 8 and 10 inches. The contractor was also removing debris (brick, concrete, asphalt, metal) larger than 4 inches in diameter from the tilled area. See attached site plan for areas that tilling has been completed.

After tilling was complete, the contractor compacted the tilled area by tracking back and forth across the area using track mounted construction equipment. The compacted areas were observed to be free of pumping soil conditions and appeared firm under foot.

The contractor continued exporting sod from the areas that were stripped previously and importing topsoil for the site. Two trucks were being used to export and import material. The sod material was being exported to Robanko and the topsoil was imported from Glacier.

	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.	Eamaan Tabatabai	09/16/14
☒ **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**
	Whitney L. Ciani, PE	09/17/14

Attachments: Site Plan

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

Geo-grid and Type 17 Placement

We observed the contractor lay geo-grid (Tensar TX130S) along the eastern slope of kite hill (see attached site plan). The area was evaluated before the geo-grid was placed to ensure that the area was compacted properly and was firm and unyeilding. We evaluated the area using a ½-inch diameter steel probe and typical probe depths were between 2 to 3 inches.

After placement of the geo-grid, we observed the contractor place a six-inch lift of City of Seattle Type 17 bank run gravel (City of Seattle Specification 9-03.12(2)B) on top of a portion of the geo-grid placed today (see attached site plan). The Type 17 appeared to be below the optimum moisture content, so the contractor sprayed the area with water prior to compaction. The layer was compacted by multiple passes of a vibratory steel-drum roller.

Slope Stability

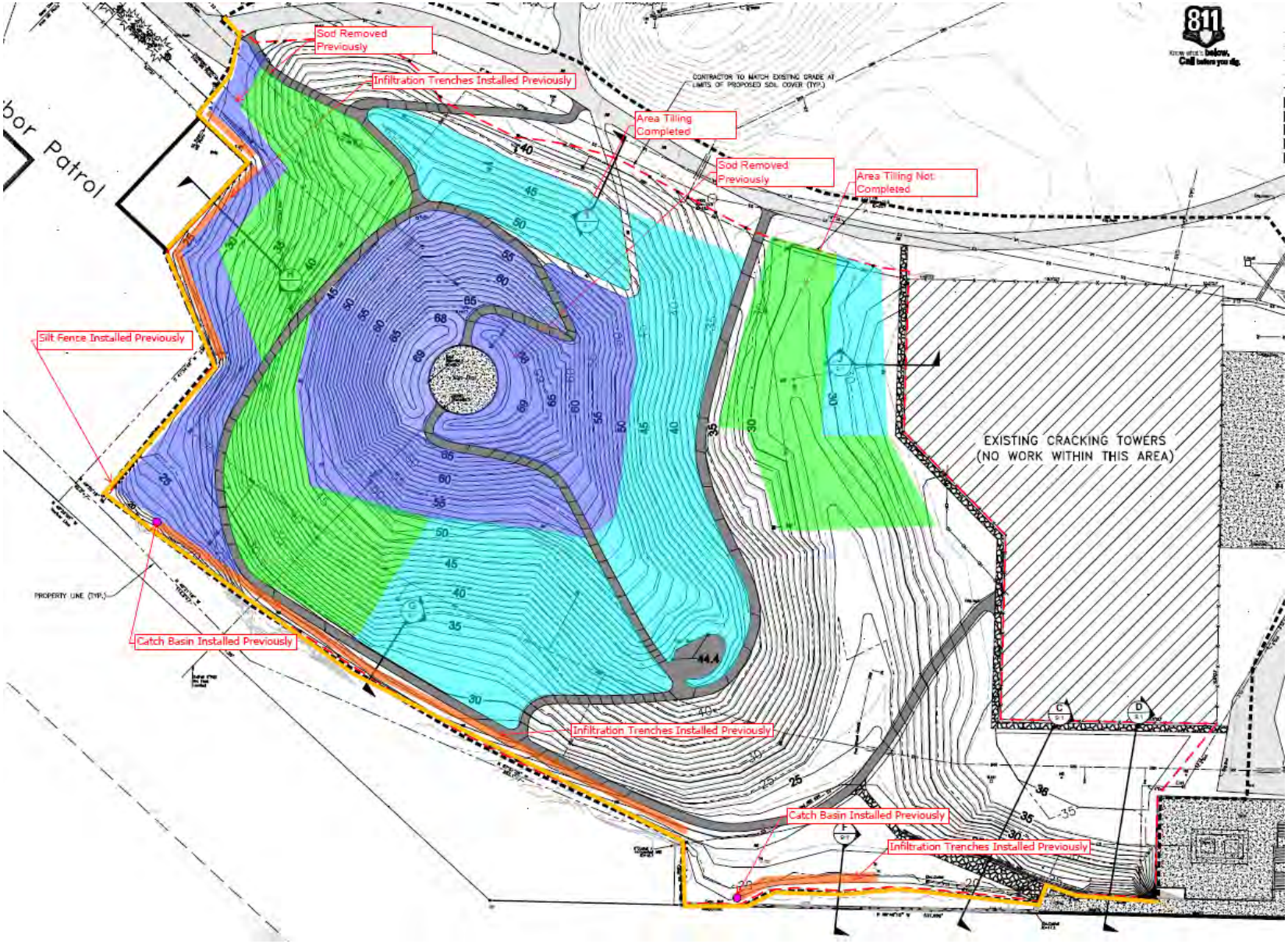
Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

Temporary Erosion Control

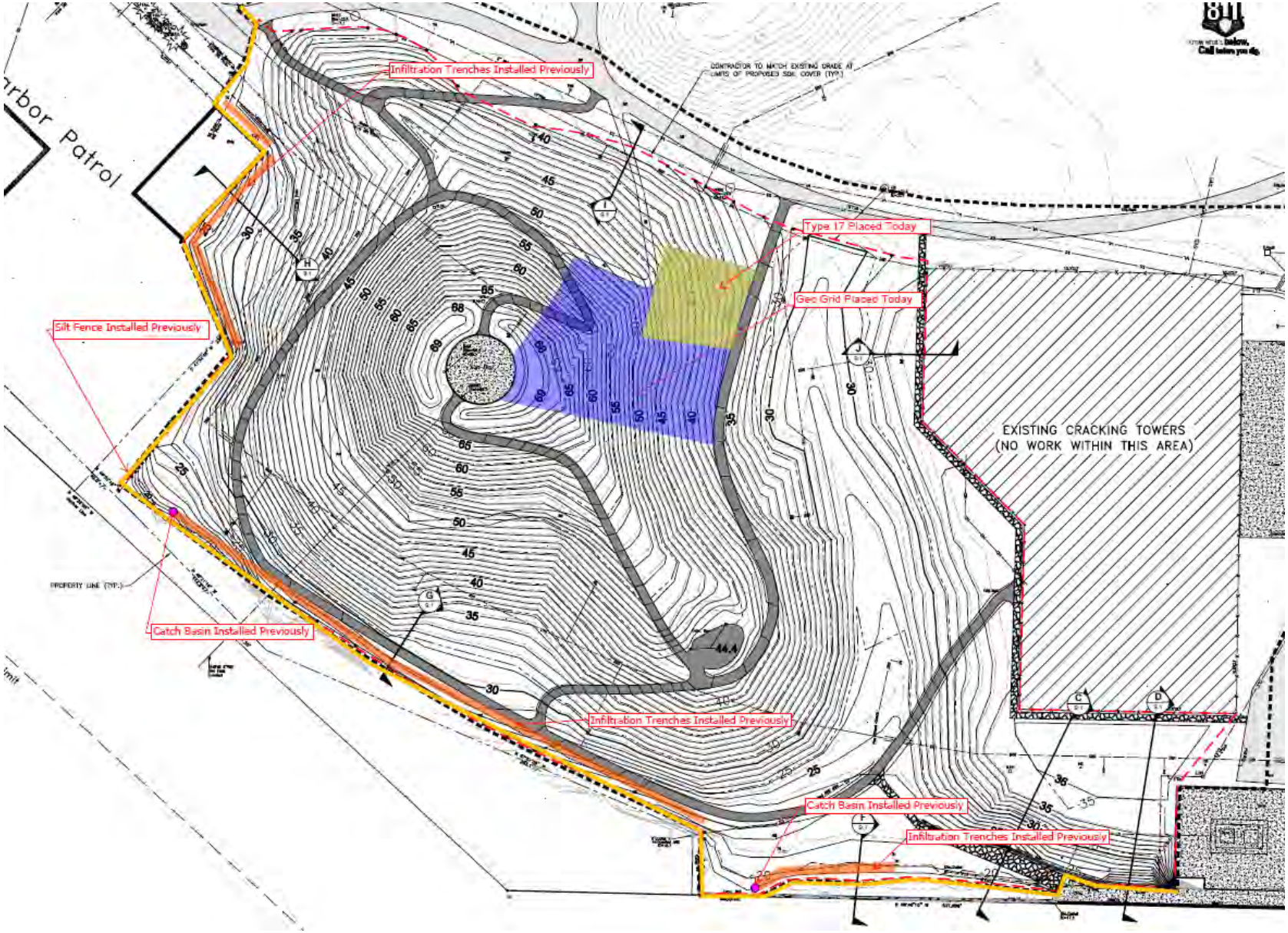
We observed the at-grade site conditions to consist mainly of sod and tilled soil that slope down from kite hill to the boundary of the site properties. At this time temporary erosion and sedimentation control efforts included personnel tasked with cleaning soil that migrates onto hard surfaces during excavation, infiltration trenches/silt fencing with rock dams along the south and west perimeter of the site, and quarry spalls installed along the edge of 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 and specifications.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement



GeoEngineers

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/16/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-12
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, ~72° F	Travel Time: 1 hr	Permit Number: DPD #6407051

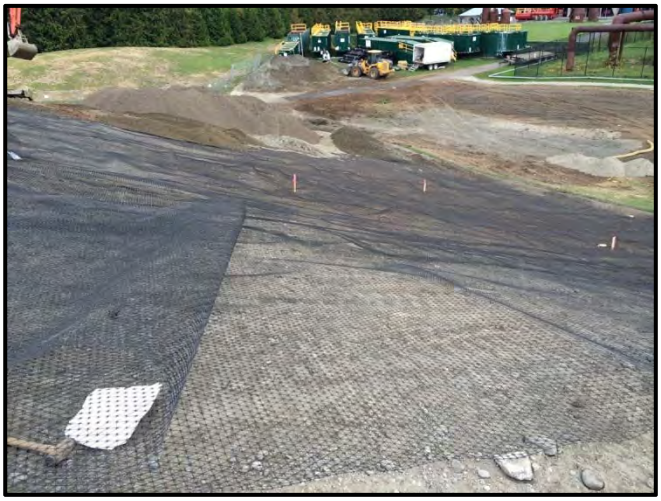
Upon arrival to the site I assessed personal safety hazards: ☐ Yes or ☐ Referred to Site Safety Plan and Safety Tailgate if applicable

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 continue tilling in an area west of and another area south of Kite Hill (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 west of kite hill was deemed acceptable after the material was clear of sod clumps and large organics. The tilling in the area south of Kite Hill was not completed today. The completed 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 also observed the contractor performing some fine grading (shallow cuts and fills) near the top of Kite Hill around the outside of the existing sundial utilizing a Deere 135 D track mounted excavator and a Case 650HLT Dozer (see attached site plan). We recommend that moving forward, the subgrade be scarified prior to the placement of the backfill materials. We also recommend that these shallow fill areas be moisture conditioned and track compacted prior to the placement of geo-grid and soil cap materials.

☐ **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	**09/16/14**
☒ **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**
	Whitney L. Ciani, PE	**09/17/14**

Attachments: Site Plan

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

The contractor continued exporting stockpiled asphalt debris from the existing path demolition. 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.

Geo-Grid and Soil Cap Placement

We observed the contractor place geo-grid (Tensar TX130S) on the prepared subgrade near the northeast 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. 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 contractor was compacting the soil utilizing an Ingersall Rand steel drum vibratory roller. The roller was only able to advance a short distance (~50-feet) before losing traction on the slope due to its steepness. After rolling, the material was track compacted with a minimum of 2 passes of a Case 650HLT dozer. We understand that the contractor will be having a hoepac delivered to the site tomorrow to compact the Type 17 in those areas not accessible to the roller.

Slope Stability

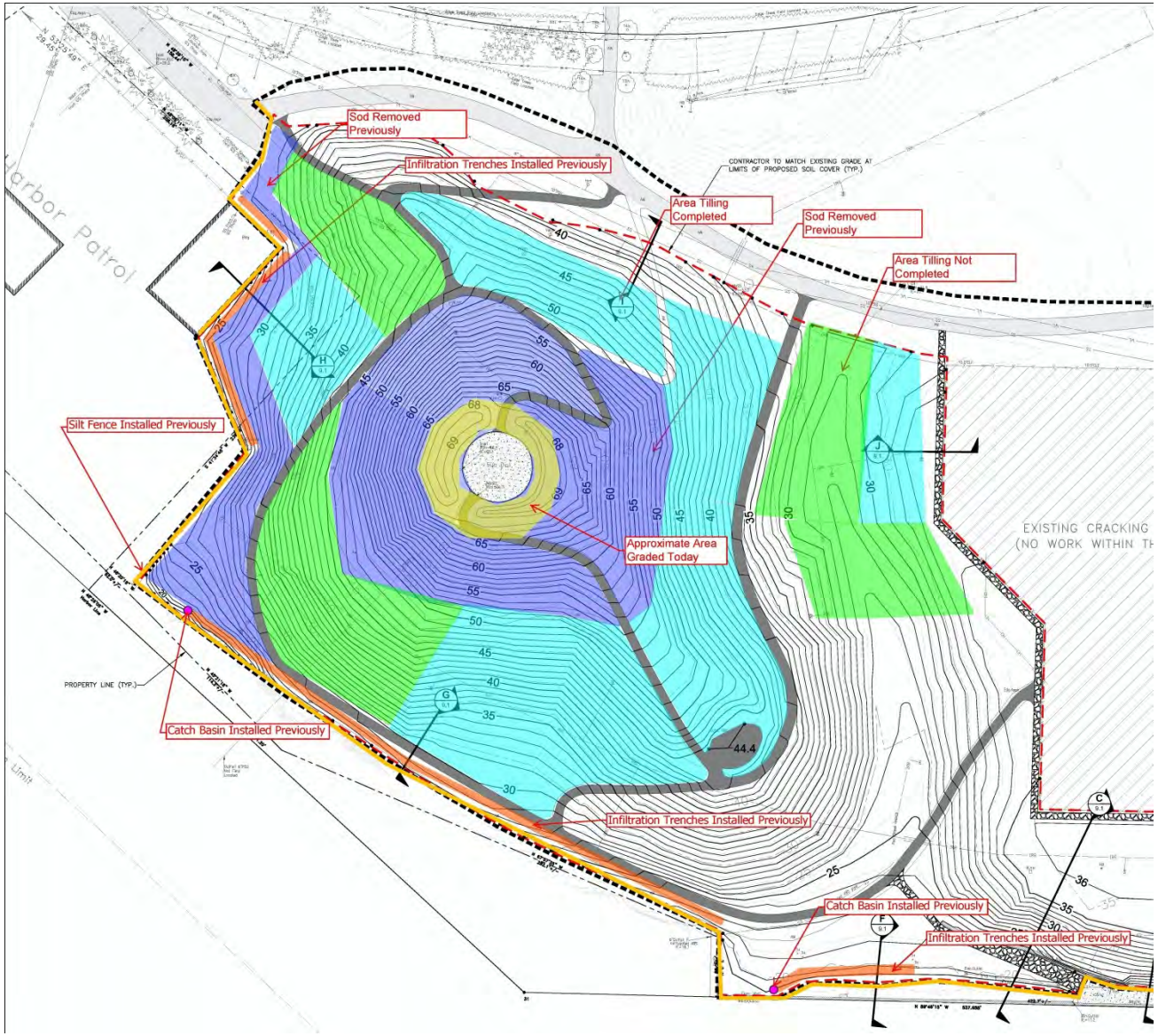
Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

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 and specifications.

Site Plan of Earthwork



Site Plan of Geo-gird/Type 17 Placement

GeoEngineers

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Field Report

			File Number: 00186-846-01 Task 1401.70
	Project: Kite Hill Soil Cover Project		Date: 09/17/14
	Owner: City of Seattle	Time of Arrival: 0700	Report Number: GT-13
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 Cloudy, ~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 continue tilling in an area north of Kite Hill (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. 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 also observed the contractor performing some fine grading (shallow cuts and fills) on the north side of Kite Hill utilizing a Deere 135 D track mounted excavator. The graded area was track compacted utilizing a Case 650HLT dozer (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.

☐ **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** 09/17/14
☒ **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** Whitney L. Ciani, PE	**DATE** 09/18/14

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 near the northeast 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.

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 has not been compacted. We understand that compaction will occur once the contractor has a hoepac on site.

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

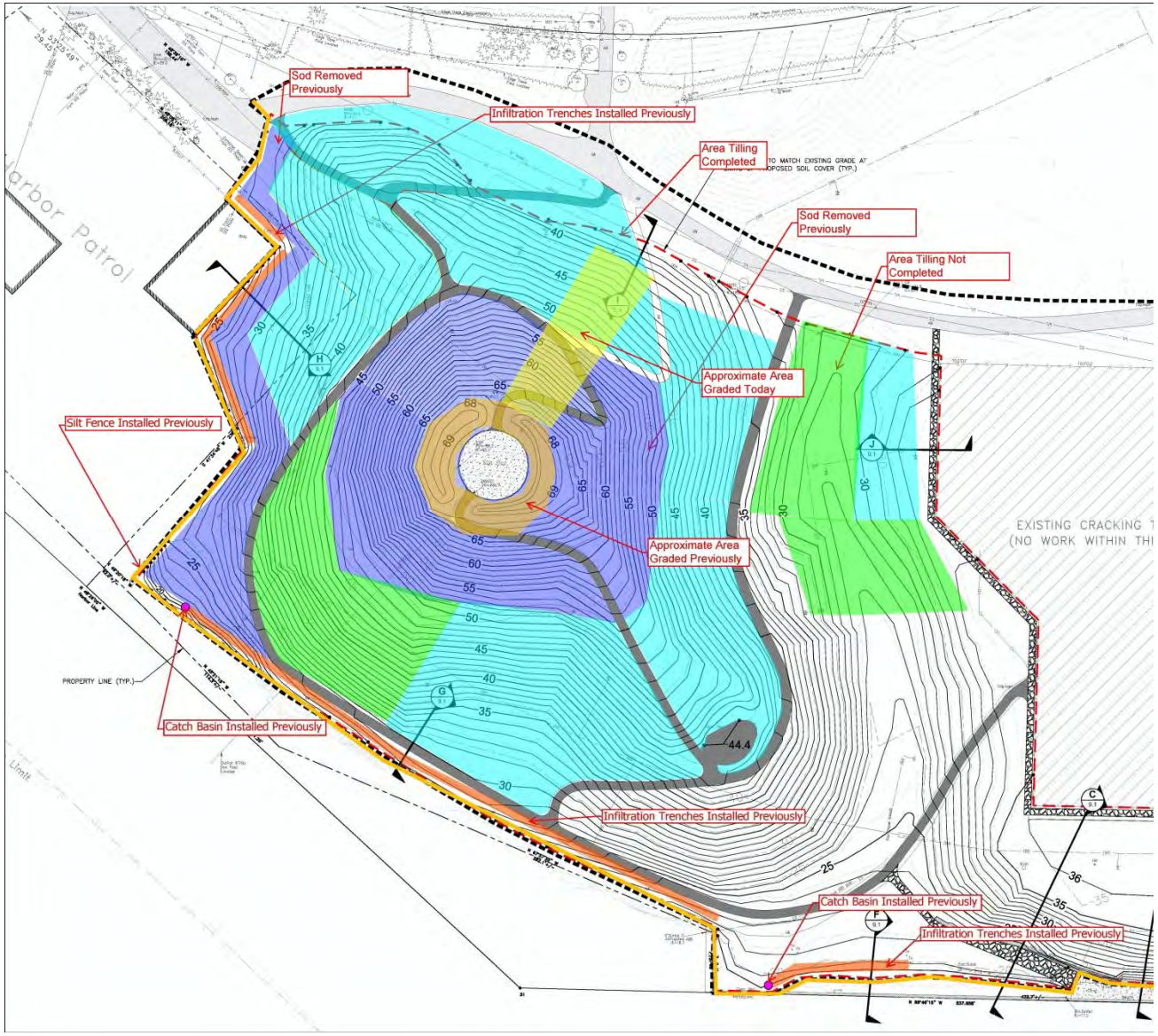
Kite Hill remained stable during excavation activities; there was no seepage along the face of the slope, no sloughing or raveling of the site soils and no tension cracks were observed along the crest of the slope. No evidence of instability of the existing slope was observed during our site visit today.

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