September 22, 2022

Jaebadiah Gardner
GardnerGlobal, Inc.
1409 Post Alley
Seattle, Washington

Sandra Matthews
Washington State Department of Ecology
Northwest Regional Office
15700 Dayton Avenue North
Shoreline, Washington

Re: Opinion Related to Methane Observations During Subsurface Investigation
Skyway Towncenter Redevelopment, Renton Avenue South, Skyway, Washington
Project No. 200552

Dear Jaebadiah and Sandra:

Aspect Consulting, LLC (Aspect) prepared this letter summarizing observations related to methane encountered during recent subsurface investigation activities at the Skyway Towncenter Redevelopment property located at 12540 and 12600 Renton Avenue South in Skyway, Washington (the Subject Property). The methane discovery was first documented in our report entitled *Phase II Environmental Site Assessment, Skyway Towncenter Redevelopment, Skyway, Washington* dated August 29, 2022; refer to this report for additional detail on the larger investigation being completed at the Subject Property at that time. This letter provides additional information and Aspect's opinion related to the methane occurrence, as requested during a telephone conversation with Sandra Matthews of Washington State Department of Ecology (Ecology) on September 7, 2022.

Based on the information summarized below, the methane gas identified in well AMW-8D appears to represent a localized condition because it was observed in only one well of the 20-well network at the Subject Property. Because well AMW-8D is located on an undeveloped parcel of the Subject Property and is at least 75 feet away from the nearest building, there does not appear to be an exposure risk to Subject Property occupants that would require immediate action or mitigation. Therefore, the methane condition will be evaluated during the upcoming Remedial Investigation and Feasibility Study (RI/FS) phase of the project.

Initial Discovery

During drilling and monitoring well installation activities conducted on August 10, 2022, methane gas was observed to be venting from the well casing of a newly installed groundwater monitoring well located approximately 75 feet southeast of the intersection of Renton Ave S and 75th Ave S (AMW-8D; Figure 1). Aspect field representatives measured methane concentrations at the top of the well casing using a Landtec GEM 5000 series multi-gas monitor (GEM monitor). On August 10, 2022, the day of well installation, methane was measured at 75 percent. One week later on August 16, 2022, methane was measured at 69.5 percent. Since the measurement on August 16,

2022, the well casing has remained capped and secured. Other wells at the Subject Property were opened and screened for methane gas using the GEM monitor on August 10, 2022, with none detected.

Subsurface Conditions

During drilling of well AMW-8D, native glacial deposits were encountered immediately beneath the surface pavement, consisting of very dense till to 24 feet below ground surface (bgs), overlying a 9-foot thick layer of softer organic-rich silt, interpreted to represent lacustrine deposits. Beneath the silt, similar very dense till was encountered beginning at 34 feet bgs and extending to the maximum depth drilled of 41 feet bgs. Groundwater and saturated soil at the AMW-8D location is present at approximately 37 feet bgs in the deeper till unit situated below the lacustrine deposits.

The soft organic-rich silt lacustrine deposits, including lenses of peat, were observed in other borings advanced across the Subject Property at similar depths and ranging in thickness from approximately 1 foot thick to 12 feet thick, and at depths above and below the groundwater table. As indicated above, well AMW-8D was the only well with measurable methane gas in the well casing on August 10, 2022. The following table summarizes the borings, thicknesses, and depths where the lacustrine unit was encountered:

Table 1. Summary of Lacustrine Deposit Occurrence

Location	Depth Encountered	Total Thickness of Unit
AMW-1D	26 feet bgs	At least 5 feet
AMW-3D	17 feet bgs	12 feet
AMW-8D	24 feet bgs	9 feet
AB-17	22 feet bgs	8 feet
AB-18	25 feet bgs	5 feet
HC-15	24 feet bgs	1 foot

In all locations where lacustrine deposits were observed, till was situated both above and below. The lacustrine deposits appear thickest at the AMW-3D location on the western Subject Property boundary, pinching out in the south and southeast directions and is bounded by wells AMW-9D to the southeast, and AMW-4D and AMW-6D to the south. The horizontal extent to the north, northeast, and west appears to extend off of the Subject Property and has not been identified.

Estimated horizontal and vertical extents of the lacustrine deposits, relative to other geologic units, the groundwater table, and well screen intervals and depths are shown in plan view on Figure 1 and cross section view on Figure 2. Boring and well construction logs are included as Attachment A.

Opinion

The high-organic content and peat lenses in the lacustrine deposits is the assumed source of the methane gas observed in the well casing at AMW-8D, where the full thickness of the lacustrine deposits are exposed to the screened portion of the well. This combination of factors were not

observed at other well locations. Because methane gas was not observed in any other well in the 20 well network at the Subject Property, under current conditions methane gas in the subsurface appears to be localized to the AMW-8D area, which is an undeveloped parcel at the Subject Property and located at least 75 feet away from the nearest building. Based on this and the data available at this time, the methane condition does not appear to represent an exposure risk to Subject Property occupants that requires immediate action or mitigation.

There is potential for the combination of factors observed at well AMW-8D to exist at other uninvestigated areas of the Subject Property. Additionally, the presence of dissolved methane in groundwater has not yet been evaluated. If these conditions exist elsewhere at the Subject Property, there is potential for methane gas to be present. Changes in Subject Property conditions, such as lowering of the groundwater table due to seasonal changes or construction dewatering, could result in changes to the measurable concentrations of methane gas in the subsurface and at existing wells at the Subject Property. These potential conditions should be evaluated as part of the upcoming Remedial Investigation and Feasibility Study (RI/FS) phase of the project.

Limitations

Work for this project was performed for GardnerGlobal, Inc. (Client), and this letter was prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. This letter does not represent a legal opinion. No other warranty, expressed or implied, is made.

All reports prepared by Aspect Consulting for the Client apply only to the services described in the Agreement(s) with the Client. Any use or reuse by any party other than the Client is at the sole risk of that party, and without liability to Aspect Consulting. Aspect Consulting's original files/reports shall govern in the event of any dispute regarding the content of electronic documents furnished to others.

Sincerely,

Aspect consulting, LLC

Ali Cochrane, LG
Senior Geologist
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Dave Cook, LG, CPG
Principal Geologist
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Attachments: Table 1 – Summary of Lacustrine Deposit Occurrence (in text)
Figure 1 – Site Plan
Figure 2 – Cross Section AA'
Attachment A – Boring and Well Construction Logs

FIGURES

GIS Path: G:\projects\Skyway\RTOredevelopment_200552\Skyway\Pro\Skyway_200552.aprx || Coordinate System: NAD 1983 StatePlane Washington North FIPS 4601 Feet || Date Saved: 9/19/2022 || User: nkochie || Print Date: 9/19/2022

Deep Boring

Shallow Monitoring Well

Deep Monitoring Well

Estimated Extent of Organic-Rich Silt Lacustrine Deposits

Cross Section

Subject Property

Skyway Towncenter Redevelopment

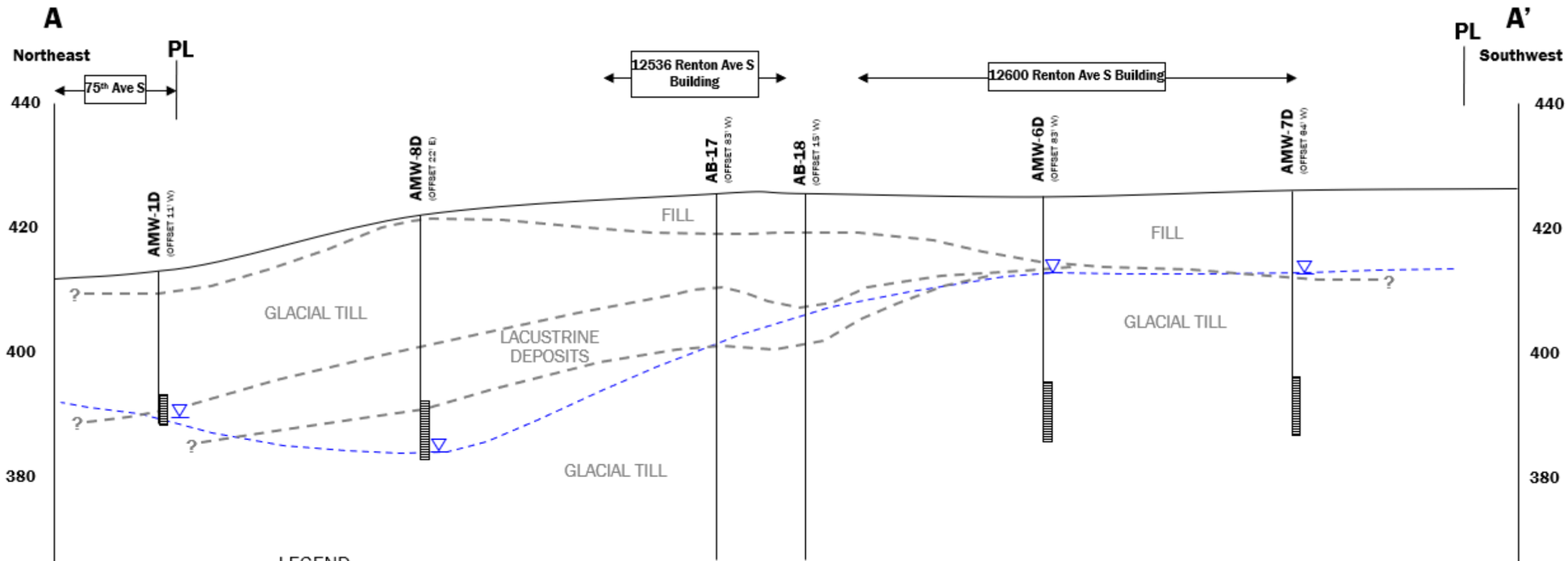
King County Tax Parcel

Site Plan

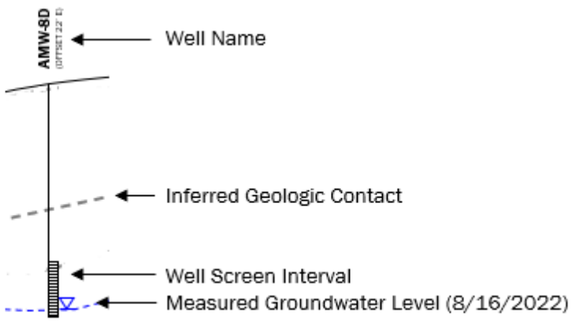
Skyway Towncenter Redevelopment
Renton Ave S
Skyway, Washington

Aspect Consulting	SEP-2022	BY: ALC / NLK	FIGURE NO. 1
	PROJECT NO. 200552	REVISED BY: ---	

Basemap Layer Credits || BaseMaps/KingCo_Aerial_2021: EagleView Technologies, Inc.



LEGEND



SCALE
Horizontal: 1" = 50'
Vertical: 1" = 20'

Cross Section AA'

Skyway Towncenter Redevelopment
Renton Avenue South
Skyway, Washington

Aspect CONSULTING	AUG-2022	BY: ALC	FIGURE NO. 2
	PROJECT NO. 200552	REVISED BY: ---	

ATTACHMENT A

Boring and Well Construction Logs

Aspect CONSULTING	Skyway Redevelopment - 200552		Environmental Exploration Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, in front of mini mart		*Coordinates (Lat,Lon WGS84)* 47.4919, -122.2399	*Exploration Number* **AB-17**
Contractor AEC	*Equipment* TSI 150 CC	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 424'	
Operator Dan Rider	*Exploration Method(s)* Continuous Core	*Work Start/Completion Dates* 2/11/2022	*Top of Casing Elev. (NAVD88)* NA	*Depth to Water (Below GS)* 35' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
0		Concrete					ASPHALT; Road Surface	0
							FILL SAND WITH SILT (SW-SM); medium dense, slightly moist, brown; non-plastic fines; fine sand; few subangular fine gravel.	
		Backfilled with hydrated bentonite chips.			PID=6.1 SPT=9, 12, 19			
	420				PID=1.0			
5					SPT=3, 7, 9			5
					PID=0.3 SPT=2, 3, 7			
	415							
10					PID=2.5 SPT=13, 19, 22			10
							GLACIAL DEPOSITS SILTY SAND (SM); very dense, slightly moist, grey; non-plastic fines; fine to medium sand; few subangular fine to coarse gravel.	
	410			AB-17-12.5 NWTPH-Gx, NWTPH-Dx, VOCs, PAHs, RCRA 8 Metals	SPT=33, 50/6 PID=3.4			
15					SPT=50/5 PID=0.8			15
	405							
20				AB-17-20 VOCs	SPT=6, 9, 10 PID=0.0			20
							SILT (ML); loose, slightly moist, dark brown; non-plastic fines.	

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)

Water Level
- Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AB-17
Sheet 1 of 3

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Environmental Exploration Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, in front of mini mart		*Coordinates (Lat,Lon WGS84)* 47.4919, -122.2399	*Exploration Number* **AB-17**
Contractor AEC	*Equipment* TSI 150 CC	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 424'	
Operator Dan Rider	*Exploration Method(s)* Continuous Core	*Work Start/Completion Dates* 2/11/2022	*Top of Casing Elev. (NAVD88)* NA	*Depth to Water (Below GS)* 35' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
					PID=0.0		SILT (ML); loose, slightly moist, dark brown; non-plastic fines. (continued)	
	400							
25					SPT=2, 6, 7 PID=0.0			25
					PID=0.0			
	395							
30					SPT=4, 6, 9 PID=0.0		SAND WITH GRAVEL (SP); medium dense, moist, grey; few fines; fine to medium sand; trace subangular fine gravel.	30
					PID=0.0			
	390							
35		▽ 2/11/2022		AB-17-35 VOCs	SPT=1, 3, 3 PID=0.0		Becomes wet.	35
					PID=0.1		Becomes moist.	
	385				PID=0.0			
40					SPT=5,8, 18 PID=0.0			40
	380							
45				AB-17-45 VOCs	SPT=3, 3, 6 PID=0.0			45

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)

Water Level
- ▽ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AB-17
Sheet 2 of 3

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Environmental Exploration Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, in front of mini mart		*Coordinates (Lat,Lon WGS84)* 47.4919, -122.2399	*Exploration Number* **AB-17**
Contractor AEC	*Equipment* TSI 150 CC	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 424'	
Operator Dan Rider	*Exploration Method(s)* Continuous Core	*Work Start/Completion Dates* 2/11/2022	*Top of Casing Elev. (NAVD88)* NA	*Depth to Water (Below GS)* 35' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
					SPT=3, 3, 6		SAND WITH GRAVEL (SP); medium dense, moist, grey; few fines; fine to medium sand; trace subangular fine gravel. (continued)	
					PID=0.0		SILTY SAND WITH GRAVEL (SM); loose, moist, brown; non-plastic fines; medium to coarse sand; subangular fine gravel.	
	375							
50					SPT=6, 7, 11 PID=0.0			50
					PID=0.0			
	370							
55				AB-17-55 VOCs	SPT=4, 5, 5 PID=0.0		SAND (SP); loose, moist, brown; trace fines; fine to medium round sand.	55
					PID=0.0			
	365							
60					SPT=8, 7, 12 PID=0.0			60
							Bottom of exploration at 61.5 ft. bgs. Note: No odor observed or sheen observed at any depth. 8-inch outer conductor casing advanced to 15 feet and sealed with bentonite plug	
	360							
65								65

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)

Water Level
- Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AB-17
Sheet 3 of 3

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Environmental Exploration Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, middle of alley way		*Coordinates (Lat,Lon WGS84)* 47.4919, -122.2396	*Exploration Number* **AB-18**
Contractor AEC	*Equipment* TSI 150 CC	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 427'	
Operator Dan Rider	*Exploration Method(s)* Continuous Core	*Work Start/Completion Dates* 2/9/2022 to 2/10/2022	*Top of Casing Elev. (NAVD88)* NA	*Depth to Water (Below GS)* 31' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Concrete					ASPHALT; Road Surface	
							FILL SAND WITH SILT (SW-SM); loose, slightly moist, brown; non-plastic fines; fine sand; few subangular fine gravel.	
	425	Backfilled with hydrated bentonite chips.		AB-18-2 NWTPH-Gx, NWTPH-Dx, VOCs, PAHs, RCRA 8 Metals	PID=3.5 SPT=2, 2, 3			
					PID=0.5			
5					SPT=3, 3, 4			5
	420				PID=0.3 SPT=18/2		**GLACIAL DEPOSITS** SANDY SILT WITH GRAVEL (ML); medium dense, slightly moist, light grey; non-plastic fines; fine to medium sand; subangular fine gravel.	
					PID=1.2			
10					SPT=4, 17, 24			10
	415			AB-18-12.5 VOCs	SPT=50/5 PID=0.0		SILTY SAND (SM); very dense, slightly moist, grey; non-plastic fines; fine to medium sand; few subangular fine to coarse gravel.	
15					SPT=50/5 PID=4.3			15
	410				PID=0.0			
20					SPT=5, 7, 9 PID=0.0		SILTY SAND (SM); medium dense, moist, grey; non-plastic fines; fine to medium sand; trace subangular fine gravel.	20
	405							

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)
- Grab sample

Water Level
- Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AB-18
Sheet 1 of 3

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Environmental Exploration Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, middle of alley way		*Coordinates (Lat,Lon WGS84)* 47.4919, -122.2396	*Exploration Number* **AB-18**
Contractor AEC	*Equipment* TSI 150 CC	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 427'	
Operator Dan Rider	*Exploration Method(s)* Continuous Core	*Work Start/Completion Dates* 2/9/2022 to 2/10/2022	*Top of Casing Elev. (NAVD88)* NA	*Depth to Water (Below GS)* 31' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							SILTY SAND (SM); medium dense, moist, grey; non-plastic fines; fine to medium sand; trace subangular fine gravel. (continued)	
25					SPT=9, 4, 17 PID=0.0		SILT (ML); loose, slightly moist, dark brown; non-plastic fines.	25
	400				PID=3.2			
30		2/9/2022			SPT=50/3 PID=0.8		SAND WITH GRAVEL (SP); medium dense, moist, grey; few fines; fine to medium sand; trace subangular fine gravel. Becomes wet.	30
	395			AB-18-33 VOCs				
					PID=26.2			
35					SPT=8, 12, 16 PID=0.0			35
					PID=0.0			
	390							
				AB-18-39 VOCs	PID=0.0		SILTY SAND WITH GRAVEL (SM); loose, moist, brown; non-plastic fines; medium to coarse sand; subangular fine gravel.	
40					SPT=3, 17, 12 PID=0.0			40
	385							
45					SPT=8, 11, 16 PID=0.0			45

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)
- Grab sample

Water Level
- Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AB-18
Sheet 2 of 3

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Environmental Exploration Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, middle of alley way		*Coordinates (Lat,Lon WGS84)* 47.4919, -122.2396	*Exploration Number* **AB-18**
Contractor AEC	*Equipment* TSI 150 CC	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 427'	
Operator Dan Rider	*Exploration Method(s)* Continuous Core	*Work Start/Completion Dates* 2/9/2022 to 2/10/2022	*Top of Casing Elev. (NAVD88)* NA	*Depth to Water (Below GS)* 31' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
					SPT=8, 11, 16		SILTY SAND WITH GRAVEL (SM); loose, moist, brown; non-plastic fines; medium to coarse sand; subangular fine gravel. (continued)	
	380				PID=0.0			
				AB-18-49 VOCs				
50					SPT=7, 12, 19 PID=0.0			50
	375							
					PID=0.0			
							SAND (SP); loose, moist, brown; trace fines; fine to medium round sand.	
55					SPT=9, 18, 22 PID=0.0			55
	370				PID=0.0			
				AB-18-59 VOCs				
60					SPT=11, 21, 27 PID=0.0			60
	365						Bottom of exploration at 61.5 ft. bgs. Note: No odor observed or sheen observed at any depth. 8-inch outer conductor casing advanced to 15 feet and sealed with bentonite plug	
65								65
	360							

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)
- Grab sample

Water Level
- Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AB-18
Sheet 3 of 3

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, North corner of property		*Coordinates (SPN NAD83 ft)* E:1292600 N:182870	*Exploration Number* **AMW-1D**
Contractor AEC	*Equipment* TSI 150 CC	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 415.872'	Ecology Well Tag No. BNW-217
Operator Dan Rider	*Exploration Method(s)* Continuous Core	*Work Start/Completion Dates* 2/8/2022	*Top of Casing Elev. (NAVD88)* 415.392'	*Depth to Water (Below GS)* 24.51' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
0	415	Monument, flush, in concrete					ASPHALT; Road Surface	0
					PID=0.0		**FILL** SILTY SAND (SM); dense, slightly moist, brown; non-plastic fines; fine to medium sand; few fine subangular gravel.	
		3/8 inch bentonite chips			PID=0.0		SILTY SAND (SM); dense, slightly moist, brown; non-plastic fines; fine to medium sand; few fine subangular gravel.	
5	410	Casing, 2 inch diam, Sch 40 PVC			SPT=10, 33, 15			5
					PID=0.0 SPT=29, 50/6		**GLACIAL DEPOSITS** SILTY SAND WITH GRAVEL (SM); very dense, slightly moist, light brown; non-plastic fines; fine to medium sand; fine to coarse subangular gravel.	
10	405				PID=0.0 SPT=24, 31, 50/6			10
				AMW-1D-14 NWTPH-Gx, NWTPH-Dx, VOCs	SPT=50/4 PID=0.0		SAND (SP); medium dense, moist, brown; trace fines; fine to medium sand; trace fine subangular gravel.	
15	400				SPT=50/3 PID=0.0			15
					PID=0.0			
20	395				SPT=7, 6, 10 PID=0.0			20
				AMW-1D-22 NWTPH-Gx, NWTPH-Dx, VOCs				
		2/12 silica sand						

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)
- Grab sample

Water Level
- Static Water Level
- Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AMW-1D
Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, North corner of property		*Coordinates (SPN NAD83 ft)* E:1292600 N:182870	*Exploration Number* **AMW-1D**
Contractor AEC	*Equipment* TSI 150 CC	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 415.872'	Ecology Well Tag No. BNW-217
Operator Dan Rider	*Exploration Method(s)* Continuous Core	*Work Start/Completion Dates* 2/8/2022	*Top of Casing Elev. (NAVD88)* 415.392'	*Depth to Water (Below GS)* 24.51' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
25	390	▼ 8/16/2022 ▽ 2/8/2022 Screen, 2 inch diam, Sch 40 PVC, 0.0020 inch slots		AMW-1D-26 NWTPH-Gx, NWTPH-Dx, VOCs	SPT=4, 5, 4 PID=0.0 PID=0.0		SAND (SP); medium dense, moist, brown; trace fines; fine to medium sand; trace fine subangular gravel. (continued) Becomes with more silt, wet	25
30	385	Bottom Cap			SPT=2, 1, 4 PID=0.0		SILT (ML); loose, slightly moist, dark brown; non-plastic fines. Bottom of exploration at 31.5 ft. bgs. Note: No odor observed or sheen observed at any depth. 8-inch outer conductor casing advanced to 15 feet and sealed with bentonite plug	30
35	380							35
40	375							40
45	370							45

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)
- Grab sample

Water Level
- ▼ Static Water Level
- ▽ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AMW-1D
Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Skyway Redevelopment - 200552

Monitoring Well Log

Project Address & Site Specific Location	Coordinates (SPN NAD83 ft)	Exploration Number
Renton Ave S and 75th Ave S, Skyway, WA, Adjacent to AMW-3	E:1292600 N:182670	**AMW-3D**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)	
AEC	TSI 150 CC	Autohammer; 140 lb hammer; 30" drop	421.742'	Ecology Well Tag No. BDA-299

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Dan Rider	Continuous Core	2/14/2022	421.392'	9.96' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
0		Monument, flush, in concrete					ASPHALT; Road Surface	0
		Casing, 2 inch diam, Sch 40 PVC					**FILL** SAND WITH SILT (SW-SM); medium dense, slightly moist, brown; non-plastic fines; fine sand; few subangular fine gravel.	
	420	3/8 inch bentonite chips		AMW-3D-2 NWTPH-Gx, NWTPH-Dx, VOCs	SPT=4, 9, 22 PID=0.0			
					PID=0.0			
5					SPT=10, 33, 15			5
	415				PID=0.0		**GLACIAL DEPOSITS** SILTY SAND WITH GRAVEL (SM); very dense, slightly moist, light brown; non-plastic fines; fine to medium sand; fine to coarse subangular gravel.	
					SPT=29, 50/6			
		8/16/2022						
10					PID=0.0 SPT=24, 31, 50/6			10
	410							
					SPT=50/4 PID=0.0			
15					SPT=50/3 PID=0.0			15
	405	2/12 silica sand					SILT (ML); loose, slightly moist, dark brown; non-plastic fines.	
					PID=0.0			
20					SPT=7, 6, 10 PID=0.0			20
	400							

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)
- Grab sample

Water Level
- Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AMW-3D

Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location		*Coordinates (SPN NAD83 ft)*	*Exploration Number*
	Renton Ave S and 75th Ave S, Skyway, WA, Adjacent to AMW-3		E:1292600 N:182670	**AMW-3D**
Contractor	*Equipment*	*Sampling Method*	*Ground Surface Elev. (NAVD88)*	Ecology Well Tag No. BDA-299
AEC	TSI 150 CC	Autohammer; 140 lb hammer; 30" drop	421.742'	
Operator	*Exploration Method(s)*	*Work Start/Completion Dates*	*Top of Casing Elev. (NAVD88)*	*Depth to Water (Below GS)*
Dan Rider	Continuous Core	2/14/2022	421.392'	9.96' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							SILT (ML); loose, slightly moist, dark brown; non-plastic fines. (continued)	
25		Screen, 2 inch diam, Sch 40 PVC, 0.0020 inch slots			SPT=4, 5, 4 PID=0.0			25
	395				PID=0.0			
				AMW-3D-28 NWTPH-Gx, NWTPH-Dx, VOCs				
30		Bottom Cap			SPT=2, 1, 4 PID=0.0		SAND (SP); loose, slightly moist, grey; trace fines, fine to medium sand; few subangular fine gravel.	30
	390						Bottom of exploration at 30 ft. bgs. Note: No odor observed or sheen observed at any depth. 8-inch outer conductor casing advanced to 15 feet and sealed with bentonite plug	
35	385							35
40	380							40
45								45

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)
- Grab sample

Water Level
- Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AMW-3D
Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, Adjacent to AMW-4		*Coordinates (SPN NAD83 ft)* E:1292700 N:182570	*Exploration Number* **AMW-4D**
Contractor AEC	*Equipment* TSI 150 CC	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 422.542'	Ecology Well Tag No. BNW-215
Operator Dan Rider	*Exploration Method(s)* Continuous Core	*Work Start/Completion Dates* 2/10/2022	*Top of Casing Elev. (NAVD88)* 422.074'	*Depth to Water (Below GS)* 8.9' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Monument, flush, in concrete					ASPHALT; Road Surface	
		Casing, 2 inch diam, Sch 40 PVC					**FILL** SAND WITH SILT (SW-SM); medium dense, slightly moist, brown; non-plastic fines; fine sand; few subangular fine gravel.	
		3/8 inch bentonite chips						
	420			AMW-4D-2 NWTPH-Gx, NWTPH-Dx, VOCs, PAHs	SPT=16, 18, 27 PID=4.9			
					PID=0.3			
5					SPT=26, 50/3			5
				AMW-4D-7 NWTPH-Gx, NWTPH-Dx, VOCs, RCRA 8 Metals			**GLACIAL DEPOSITS** SILTY SAND WITH GRAVEL (SM); dense, slightly moist, light brown; non-plastic fines; fine to coarse sand; fine to coarse subangular gravel.	
	415				PID=0.7 SPT=17, 31, 50/1			
		8/16/2022						
10					PID=1.0 SPT=50/5			10
	410				SPT=20, 50/2 PID=0.3			
15					SPT=50/3 PID=0.6			15
		2/12 silica sand						
	405							
20					SPT=50/4 PID=0.9			20
							SAND (SP); medium dense, wet, grey; trace fines; fine to medium sand.	
	400							

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)
- Grab sample

Water Level
- Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AMW-4D
Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location		*Coordinates (SPN NAD83 ft)*	*Exploration Number*
	Renton Ave S and 75th Ave S, Skyway, WA, Adjacent to AMW-4		E:1292700 N:182570	**AMW-4D**
Contractor	*Equipment*	*Sampling Method*	*Ground Surface Elev. (NAVD88)*	Ecology Well Tag No. BNW-215
AEC	TSI 150 CC	Autohammer; 140 lb hammer; 30" drop	422.542'	
Operator	*Exploration Method(s)*	*Work Start/Completion Dates*	*Top of Casing Elev. (NAVD88)*	*Depth to Water (Below GS)*
Dan Rider	Continuous Core	2/10/2022	422.074'	8.9' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
					PID=0.0		SAND (SP); medium dense, wet, grey; trace fines; fine to medium sand. (continued)	
25		Screen, 2 inch diam, Sch 40 PVC, 0.0020 inch slots			SPT=9, 15, 20 PID=0.0			25
	395							
				AMW-4D-30 VOCs				
30		Bottom Cap			SPT=3, 7, 11 PID=0.0		Bottom of exploration at 30 ft. bgs. Note: No odor observed or sheen observed at any depth. 8-inch outer conductor casing advanced to 15 feet and sealed with bentonite plug	30
	390							
35								35
	385							
40								40
	380							
45								45

Legend

Sample Type
- Continuous core 6" ID
- Split Barrel 2" X 1.375" (SPT)
- Grab sample

Water Level
- Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: BD
Approved by: MvA, 2022.04.12

Exploration Log AMW-4D
Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, NW Thai property		*Coordinates (SPN NAD83 ft)* E:1292800 N:182520 (est)	*Exploration Number* **AMW-6D**
Contractor Cascade Drilling	*Equipment* CME 85	*Sampling Method* Autohammer; 300 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 425.487' (est)	Ecology Well Tag No. BNE-670
Operator Wes Kennedy	*Exploration Method(s)* 8.5" OD X 4.25" ID Hollow-Stem Auger	*Work Start/Completion Dates* 8/8/2022	*Top of Casing Elev. (NAVD88)* 424.0961' (est)	*Depth to Water (Below GS)* 11.78' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
0	425	Monument, flush, in concrete Casing, 2 inch diam, Sch 40 PVS			Blows (non-SPT)=4, 4, 5 PID=0.4 Sheen=No sheen		ASPHALT; road surface, very dense **FILL** SILTY SAND WITH GRAVEL (SM); loose, moist, brown; fine to medium sand; fine subrounded to subangular gravel; no odor; wood fibers and brick debris present.	0
					Blows (non-SPT)=2, 2, 3 PID=0.5 Sheen=No sheen			
5	420			AMW-6D-6.0 NWTPH-Gx, NWTPH-Dx, RCRA 8, VOCs by 8260, PAHs	Blows (non-SPT)=5, 5, 7 PID=0.6 Sheen=No sheen			5
		3/8 inch bentonite chips			Blows (non-SPT)=11, 22, 24 PID=0.0 Sheen=No sheen		Becomes dense and gray; trace fine subrounded gravel.	
10	415	▼ 8/16/2022			Blows (non-SPT)=100/6 PID=0.0 Sheen=No sheen		**GLACIAL DEPOSITS** SANDY SILT WITH GRAVEL (ML); hard, slightly moist, brown; low plasticity; fine to medium sand; fine to coarse subrounded gravel; oxidation staining present at 13ft.	10
				AMW-6D-13.0 VOCs by 8260	Blows (non-SPT)=28, 30, 32 PID=0.6 Sheen=No sheen			
15	410				Blows (non-SPT)=27, 30, 30 PID=0.0 Sheen=No sheen		SILTY SAND (SM); very dense, slightly moist, dark gray; fine sand; trace fine subrounded gravel.	15
20	405				Blows (non-SPT)=29, 50/6 PID=0.0 Sheen=No sheen		Becomes very moist; fine to medium sand.	20

Legend

Sample Type
- ◯ No Soil Sample Recovery
- ▮ Split Barrel 3" X 2.375"

Water Level
- ▼ Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC, 2022.08.25

Exploration Log AMW-6D
Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, NW Thai property		*Coordinates (SPN NAD83 ft)* E:1292800 N:182520 (est)	*Exploration Number* **AMW-6D**
Contractor Cascade Drilling	*Equipment* CME 85	*Sampling Method* Autohammer; 300 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 425.487' (est)	Ecology Well Tag No. BNE-670
Operator Wes Kennedy	*Exploration Method(s)* 8.5" OD X 4.25" ID Hollow-Stem Auger	*Work Start/Completion Dates* 8/8/2022	*Top of Casing Elev. (NAVD88)* 424.0961' (est)	*Depth to Water (Below GS)* 11.78' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							SILTY SAND (SM); very dense, slightly moist, dark gray; fine sand; trace fine subrounded gravel. (continued)	
25	400				Blows (non-SPT)=22, 24, 27 PID=0.0 Sheen=No sheen		SAND WITH SILT (SP-SM); very dense, wet, brown; fine to medium sand; no odor.	25
							SAND (SW); very dense, wet, brown; fine to coarse sand, no odor, subrounded to rounded sand.	
		2/12 silica sand						
30	395				Blows (non-SPT)=19, 21, 26 PID=0.0 Sheen=No sheen		SAND (SP); dense, wet, brown; fine to medium sand, no odor.	30
35	390	Screen, 2 inch diam, Sch 40 PVS, .01 inch slot		AMW-6D-35.0 VOCs by 8260	Blows (non-SPT)=17, 29, 30 PID=0.0 Sheen=No sheen		Becomes very dense	35
40	385	bottom cap			Blows (non-SPT)=19, 26, 30 PID=0.0 Sheen=No sheen		Bottom of exploration at 41.5 ft. bgs. Note: No odor or sheen observed at any depth. 10-inch outer conductor casing advanced to 11 feet and sealed with bentonite plug	40
45	380							45

Legend

Sample Type
- ◯ No Soil Sample Recovery
- ▮ Split Barrel 3" X 2.375"

Water Level
- ▼ Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC, 2022.08.25

Exploration Log AMW-6D
Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, SW Thai property		*Coordinates (SPN NAD83 ft)* E:1292800 N:182410 (est)	*Exploration Number* **AMW-7D**
Contractor Cascade Drilling	*Equipment* CME 85	*Sampling Method* Autohammer; 300 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 426.049' (est)	Ecology Well Tag No. BNE-672
Operator Wes Kennedy	*Exploration Method(s)* 8.5" OD X 4.25" ID Hollow-Stem Auger	*Work Start/Completion Dates* 8/9/2022	*Top of Casing Elev. (NAVD88)* 425.546' (est)	*Depth to Water (Below GS)* 12.25' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
0	425	Monument, flush, in concrete Casing, 2 inch diam, Sch 40 PVC			Blows (non-SPT)=4, 4, 4 PID=1.1 Sheen=No sheen		ASPHALT; road surface, very dense **FILL** SILTY SAND WITH GRAVEL (SM); loose, slightly moist, brown; fine to medium sand; fine to coarse subrounded to subangular gravel.	0
5	420			AMW-7D-6.0 NWTPH-Gx, NWTPH-Dx, RCRA 8, VOCs by 8260, PAHs	Blows (non-SPT)=3, 4, 4 PID=1.1 Sheen=No sheen		Becomes dark brown; silt content increases.	5
					Blows (non-SPT)=6, 7, 7 PID=0.2 Sheen=No sheen		Becomes medium dense, dark brown; silt content increases.	
10	415	▼ 8/16/2022		AMW-7D-11.0 NWTPH-Gx, NWTPH-Dx, VOCs by 8260	Blows (non-SPT)=4, 3, 4 PID=0.6 Sheen=No sheen		Becomes loose, moist, brown; wood fibers present; iron oxide present.	10
					Blows (non-SPT)=13, 39, 44 PID=0.1 Sheen=No sheen		**GLACIAL DEPOSITS** SAND WITH SILT (SP-SM); very dense, moist, gray; fine ot medium sand; iron oxide staining,	
15	410	3/8 inch bentonite chips			Blows (non-SPT)=22, 50/6 PID=10.2 Sheen=No sheen			15
20	405				Blows (non-SPT)=19, 20, 20 PID=0.0 Sheen=No sheen		SILTY SAND WITH GRAVEL (SM); dense, moist, brown; fine to coarse sand; fine to coarse subrounded gravel; becomes without gravel at 21ft; silt content increases.	20

Legend

Sample Type
- ◯ No Soil Sample Recovery
- ▮ Split Barrel 3" X 2.375"

Water Level
- ▼ Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC, 2022.08.25

Exploration Log AMW-7D
Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, SW Thai property		*Coordinates (SPN NAD83 ft)* E:1292800 N:182410 (est)	*Exploration Number* **AMW-7D**
Contractor Cascade Drilling	*Equipment* CME 85	*Sampling Method* Autohammer; 300 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 426.049' (est)	Ecology Well Tag No. BNE-672
Operator Wes Kennedy	*Exploration Method(s)* 8.5" OD X 4.25" ID Hollow-Stem Auger	*Work Start/Completion Dates* 8/9/2022	*Top of Casing Elev. (NAVD88)* 425.546' (est)	*Depth to Water (Below GS)* 12.25' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							SILTY SAND WITH GRAVEL (SM); dense, moist, brown; fine to coarse sand; fine to coarse subrounded gravel; becomes without gravel at 21ft; silt content increases. (continued)	
25	400				Blows (non-SPT)=17, 18, 19 PID=0.0 Sheen=No sheen		SAND WITH SILT (SP-SM); dense, moist, gray; fine to medium sand with white grains; trace fine to coarse subrounded gravel.	25
		2/12 silica sand						
30	395			AMW-7D-31.0 VOCs by 8260, RCRA 8	Blows (non-SPT)=13, 14, 16 PID=0.0 Sheen=No sheen		SILTY SAND (SM); medium dense, moist, light brown; fine to medium sand with white grains.	30
35	390	Screen, 2 ich diam, Sch 40 PVC, .01 inch slot			Blows (non-SPT)=19, 20, 21 PID=0.0 Sheen=No sheen			35
40	385	bottom cap		AMW-7D-41.0 VOCs by 8260	Blows (non-SPT)=19, 18, 18 PID=0.0 Sheen=No sheen		Becomes dense, very moist	40
							SILT (ML); dense, slightly moist, light brown Bottom of exploration at 41.5 ft. bgs. Note: No odor or sheen observed at any depth. 10-inch outer conductor casing advanced to 15 feet and sealed with bentonite plug	
45								45

Legend

Sample Type
- ◯ No Soil Sample Recovery
- ▮ Split Barrel 3" X 2.375"

Water Level
- ▼ Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC, 2022.08.25

Exploration Log AMW-7D
Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, SE of AMW-1		*Coordinates (SPN NAD83 ft)* E:1292700 N:182810 (est)	*Exploration Number* **AMW-8D**
Contractor Cascade Drilling	*Equipment* CME 55	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 422.474' (est)	Ecology Well Tag No. BNE-674
Operator Wes Kennedy	*Exploration Method(s)* 8.5" OD X 4.25" ID Hollow-Stem Auger	*Work Start/Completion Dates* 8/10/2022	*Top of Casing Elev. (NAVD88)* NA	*Depth to Water (Below GS)* 37.89' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Monument, flush, in concrete					ASPHALT; road surface, very dense	
		Casing, 2 inch diam, Sch 40 PVC					**GLACIAL DEPOSITS** SILTY SAND WITH GRAVEL (SM); dense, slightly moist, brown; fine to medium sand with trace coarse sand; trace coarse subrounded to subangular gravel; no odor.	
	420				Blows (non-SPT)=34, 50/6 PID=0.0 Sheen=No sheen			
5				AMW-8D-5.0 NWTPH-Gx, NWTPH-Dx, RCRA 8, VOCs by 8260, PAHs	Blows (non-SPT)=50/6 PID=0.0 Sheen=No sheen			5
	415				Blows (non-SPT)=100/6 PID=0.0 Sheen=No sheen		Becomes very dense	
10		3/8 inch bentonite chips			Blows (non-SPT)=100/6 PID=0.0 Sheen=No sheen		Becomes gray; with increased gravel content.	10
	410				Blows (non-SPT)=100/6 PID=0.0 Sheen=No sheen		Becomes brown, slightly moist	
15					Blows (non-SPT)=70/6 PID=0.0 Sheen=No sheen		Becomes dense	15
	405							
20					Blows (non-SPT)=36, 50/6 PID=0.0 Sheen=No sheen		SAND WITH SILT (SP-SM); dense, moist, gray; fine to medium sand; no odor; oxidation staining present at 20.5ft.	20
	400							

Legend

Sample Type
- ◯ No Soil Sample Recovery
- ▮ Split Barrel 3" X 2.375"

Water Level
- ▼ Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC, 2022.08.25

Exploration Log AMW-8D
Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, SE of AMW-1		*Coordinates (SPN NAD83 ft)* E:1292700 N:182810 (est)	*Exploration Number* **AMW-8D**
Contractor Cascade Drilling	*Equipment* CME 55	*Sampling Method* Autohammer; 140 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 422.474' (est)	Ecology Well Tag No. BNE-674
Operator Wes Kennedy	*Exploration Method(s)* 8.5" OD X 4.25" ID Hollow-Stem Auger	*Work Start/Completion Dates* 8/10/2022	*Top of Casing Elev. (NAVD88)* NA	*Depth to Water (Below GS)* 37.89' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							SAND WITH SILT (SP-SM); dense, moist, gray; fine to medium sand; no odor; oxidation staining present at 20.5ft. (continued)	
							SILT (ML); hard, moist, gray; trace fine sand; no odor.	
25					Blows (non-SPT)=24, 50/6 PID=0.0 Sheen=No sheen			25
	395							
		2/12 silica sand						
30					Blows (non-SPT)=41, 50/6 PID=0.0 Sheen=No sheen		Becomes gray black; 0.5-inch sand lense present at 30.5 ft; 0.5-inch wood debris with black coloration and burnt smell at 31.5ft.	30
	390							
							SAND WITH SILT (SP-SM); very dense, very moist to wet; fine to medium sand; no odor.	
35					Blows (non-SPT)=100/6 PID=0.0 Sheen=No sheen			35
		Screen, 2 inch diam, Sch 40 PVC, .01 inch slot						
	385	▼ 8/16/2022						
		bottom cap		AMW-8D-40.0 NWTPH-Dx, NWTPH-Gx, VOCs by 8260				
40					Blows (non-SPT)=33, 50/6 PID=0.0 Sheen=No sheen		Becomes dense	40
							Bottom of exploration at 41 ft. bgs. Note: No odor or sheen observed at any depth. 8-inch outer conductor casing advanced to 10 feet and sealed with bentonite plug	
	380							
45								45

Legend

Sample Type
- ◯ No Soil Sample Recovery
- ▮ Split Barrel 3" X 2.375"

Water Level
- ▼ Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC, 2022.08.25

Exploration Log AMW-8D
Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, NE Thai property		*Coordinates (SPN NAD83 ft)* E:1292900 N:182660 (est)	*Exploration Number* **AMW-9D**
Contractor Cascade Drilling	*Equipment* CME 85	*Sampling Method* Autohammer; 300 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 426.986' (est)	Ecology Well Tag No. BNE-676
Operator Wes Kennedy	*Exploration Method(s)* 8.5" OD X 4.25" ID Hollow-Stem Auger	*Work Start/Completion Dates* 8/11/2022	*Top of Casing Elev. (NAVD88)* 426.524' (est)	*Depth to Water (Below GS)* 13.31' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Monument, flush, in concrete					ASPHALT; road surface, very dense	
		Casing, 2 inch diam, Sch 40 PVC			Blows (non-SPT)=17, 11, 12 PID=0.0 Sheen=No sheen		**FILL** SILTY SAND WITH GRAVEL (SM); medium dense, moist, light brown; fine to coarse sand; fine to coarse subrounded to subangular gravel; brick debris present; no odor; silt concentration increses with depth.	
	425				Blows (non-SPT)=7, 6, 4 PID=0.0 Sheen=No sheen		Becomes loose, gray brown; iron oxide staining present.	
5					Blows (non-SPT)=7, 22, 24 PID=0.0 Sheen=No sheen		**GLACIAL DEPOSITS** SILTY SAND WITH GRAVEL (SM); dense, slightly moist; very coarse gravel with socketing oberved.	5
	420			AMW-9D-7.5 VOCs by 8260	Blows (non-SPT)=37, 50/6 PID=0.3 Sheen=No sheen			
10					Blows (non-SPT)=37, 50/6 PID=0.1 Sheen=No sheen		Becomes very dense, moist, gray	10
							SILT WITH SAND (ML); hard, moist, gray; trace gravel; non-plastic; fractured layers.	
	415						SILTY SAND WITH GRAVEL (SM); very dense,slightly moist, gray brown; fine to medium sand; fine to coarse subrounded to subangular gravel.	
		▼ 8/16/2022			Blows (non-SPT)=16, 23, 24 PID=0.2 Sheen=No sheen			
15					Blows (non-SPT)=22, 24, 26 PID=0.0 Sheen=No sheen			15
	410	3/8 inch bentonite chips					SILT WITH SAND (ML); hard, moist, gray; fine to coarse subrounded to subangular gravel; consolidated material.	
20					Blows (non-SPT)=17, 20, 21 PID=0.3 Sheen=No sheen		SAND WITH SILT (SP-SM); dense, moist, gray; fine to coarse sand; fine to coarse gravel.	20
	405			AMW-9D-21.0 VOCs by 8260			SILT WITH SAND (ML); hard, moist, gray; low plasticity; sand lense present; trace gravel.	

Legend

Sample Type
- ◯ No Soil Sample Recovery
- ▮ Split Barrel 3" X 2.375"

Water Level
- ▼ Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC, 2022.08.25

Exploration Log AMW-9D
Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022

Aspect CONSULTING	Skyway Redevelopment - 200552		Monitoring Well Log	
	Project Address & Site Specific Location Renton Ave S and 75th Ave S, Skyway, WA, NE Thai property		*Coordinates (SPN NAD83 ft)* E:1292900 N:182660 (est)	*Exploration Number* **AMW-9D**
Contractor Cascade Drilling	*Equipment* CME 85	*Sampling Method* Autohammer; 300 lb hammer; 30" drop	*Ground Surface Elev. (NAVD88)* 426.986' (est)	Ecology Well Tag No. BNE-676
Operator Wes Kennedy	*Exploration Method(s)* 8.5" OD X 4.25" ID Hollow-Stem Auger	*Work Start/Completion Dates* 8/11/2022	*Top of Casing Elev. (NAVD88)* 426.524' (est)	*Depth to Water (Below GS)* 13.31' (Static)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							SILT WITH SAND (ML); hard, moist, gray; low plasticity; sand lense present; trace gravel. (continued)	
25					Blows (non-SPT)=17, 20, 20 PID=0.0 Sheen=No sheen			25
	400							
		2/12 silica sand						
30					Blows (non-SPT)=14, 16, 20 PID=0.0 Sheen=No sheen		SAND WITH SILT (SP-SM); dense, moist, gray; fine to medium sand; small 3-inch silty lense observed at 31ft; trace fine gravel.	30
	395							
35		Screen, 2 inch diam, Sch 40 PVC, .01 inch slot						35
	390							
40		bottom cap 2/12 silica sand		AMW-9D-40.0 VOCs by 8260	Blows (non-SPT)=14, 20, 22 PID=0.1 Sheen=No sheen		SAND WITH SILT (SP-SM); dense, moist, gray; fine to coarse sand, trace fine to coarse gravel; bottom 6 inches becomes more coarse.	40
	385						Bottom of exploration at 41.5 ft. bgs. Note: No odor or sheen observed at any depth. 8-inch outer conductor casing advanced to 10 feet and sealed with bentonite plug	
45								45

Legend

Sample Type
- ◯ No Soil Sample Recovery
- ▮ Split Barrel 3" X 2.375"

Water Level
- ▼ Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC, 2022.08.25

Exploration Log AMW-9D
Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\SKYWAY REDEVELOPMENT - 200552.GPJ August 25, 2022