

Question #56, Section #S8.A:

Submittal 1 – PACCAR Sampling Notice

Q-56



March 12, 2014

RECEIVED

Mr. Ronald J. Straka
Engineering Supervisor, Surface Water Utility
City of Renton
1055 S. Grady Way
Renton, Washington 98057

MAR 13 2014

**CITY OF RENTON
UTILITY SYSTEMS**

**Re: Notification of Groundwater and Surface Water Sampling Activities
March 2014 Confirmation Monitoring Program
PACCAR Renton Facility
1639-62**

Dear Mr. Straka:

This letter is advance notification of sampling activities for the PACCAR Renton site. Groundwater sampling is tentatively scheduled to begin during the week of March 24, 2014, and will continue for about two weeks. Surface water sampling is scheduled for the same period of time, pending a rainstorm that yields sufficient surface water for sampling.

Please feel free to call me if you have any questions.

Sincerely,

HART CROWSER, INC.

A handwritten signature in blue ink, appearing to read 'Roy E. Jensen', with a long horizontal flourish extending to the right.

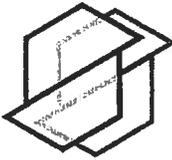
ROY E. JENSEN
Associate

cc: Vicki ZumBrunnen, PACCAR Inc.
David South, Washington State Department of Ecology
Mike Ehlebracht, Hart Crowser, Inc.

L:\Jobs\163962\March2014NotificationELHLtr.doc

Question #56, Section #S8.A:

**Submittal 2 – Whitman Court Townhomes
Monitoring Reports**



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FIELD REPORT

Page 1 of 2

911 Fifth Avenue
Kirkland, Washington 98033
Phone: 425-827-7701
Fax: 425-827-5424
www.aesgeo.com

Date	Project Name	Project No.
01/20/15	Whitman Court Townhomes	KE130602A
Location	Municipality	Weather
351 Whitman Court NE	Renton	Cloudy, 40's
Permit No.	DPD No.	Report No.
		11
Engineer/Architect		
Client/Owner		
Lozier Development, LLC		
General Contractor/Superintendent		
Lozier Development, LLC		
Grading Contractor/Superintendent		
Universal Land Construction Company		

TO: Lozier Development, LLC
1300 114th Avenue SE, Suite 100
Bellevue, WA 98004

ATTN: Paul Ebensteiner / (425) 495-6739

AS REQUESTED BY: Client

THE FOLLOWING WAS NOTED:

AESI was requested to observe geotechnical conditions. AESI was onsite between the times of 8:00am-9:30am and 12:00pm-1:00pm.

EROSION CONTROL

During the site visit the following was observed:

- No water was leaving the site
- The quarry spalls in the job site access area were free of soil and staying clean
- A street sweeper was utilized to clean up any track out

SOUTHERN POND WATER QUALITY ANALYSIS

A sample of water was collected from the southern storm water pond. The water was tested for high pH and turbidity. The test results showed that the pond had a pH too high to be discharged at this point. The acceptable range for discharge is a pH between 6.5 and 8.5. AESI implemented BMP C252, which is adding dry ice to neutralize the high pH. Approximately 10lbs. of dry ice was added to the pond. Even though the pond does not seem to be infiltrating, samples were collected upstream and downstream of the project site. These samples fell within the range of acceptability for both pH and turbidity. AESI will return tomorrow (01/21/2015) to analyze the water in the southern pond. (See data below. See Page 2 for sampling locations.)

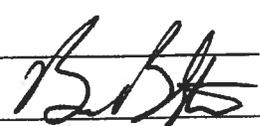
- **Upstream Background Testing Location**
 - pH : 8.1
 - Turbidity : 4.6 NTU
- **Southern Pond**
 - pH : 12.5
 - Turbidity : 9.4
- **Discharge Testing Location**
 - pH : 7.8
 - Turbidity : 3.7 NTU

Note: All tests results provided to the contractor before departure.

Copies To: _____

Field Rep: Aaron Turnley

Date Mailed: JAN 27 2015

Principal / PM: Bruce Blyton, P.E. 

v. 6/14

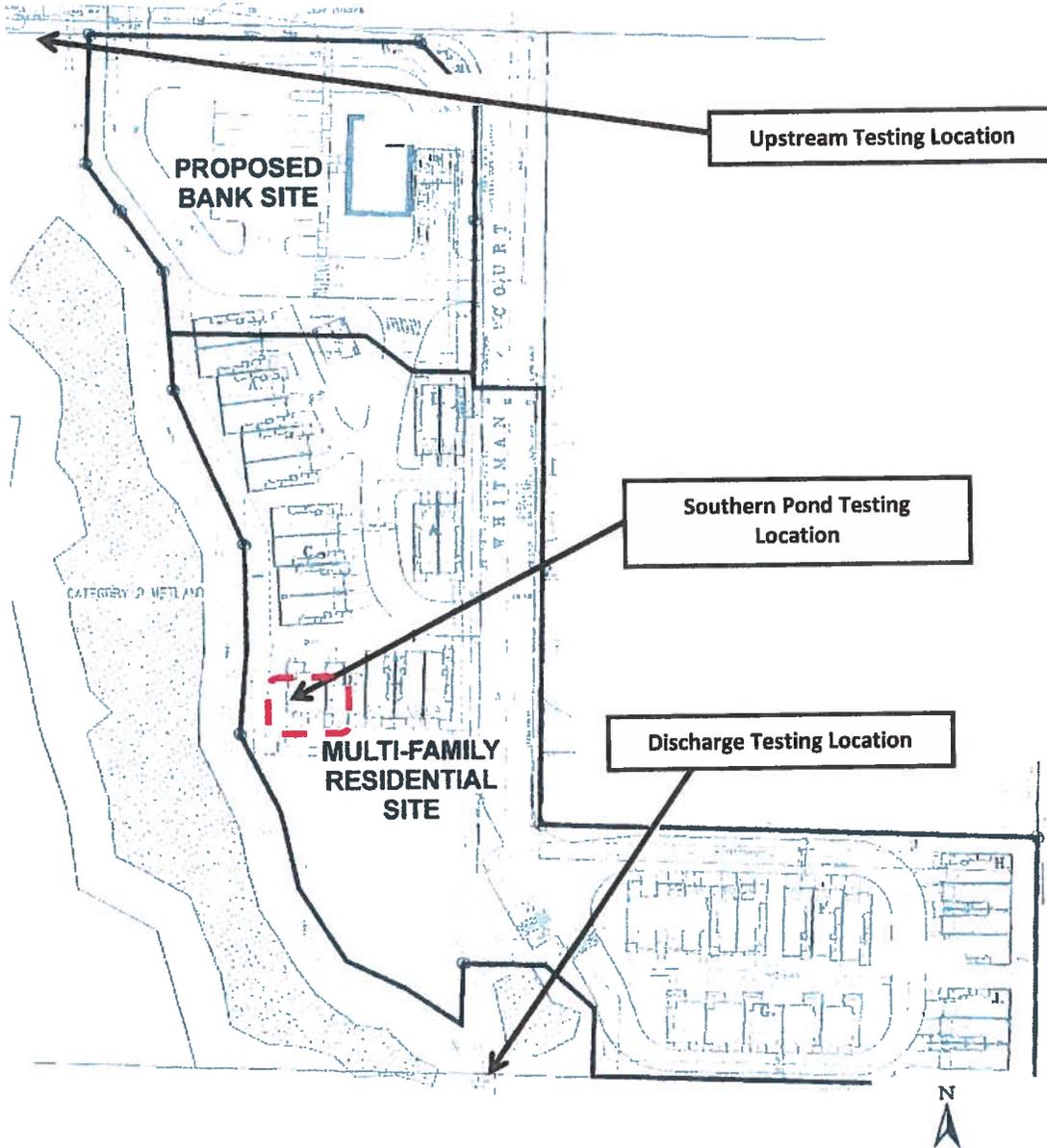
This document is considered a DRAFT until signed or initialed by an AESI Principal or Project Manager



AESI FIELD REPORT

To: _____
 Date: 01/20/15
 Permit No. _____

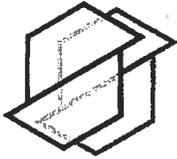
Project Name: Whitman Court Townhomes
 Project No.: KE130602A
 DPD No. _____



**Water Testing Locations
01/20/15**

Copies To: _____
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 v. 6/14

Field Rep: Aaron Turnley
 Principal / PM: Bruce Blyton, P.E.



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FIELD REPORT

Page 1 of 3

911 Fifth Avenue
Kirkland, Washington 98033
Phone: 425-827-7701
Fax: 425-827-5424
www.aesgeo.com

Date	Project Name	Project No.
01/21/15	Whitman Court Townhomes	KE130602A
Location	Municipality	Weather
351 Whitman Court NE	Renton	Cloudy, 40's
Permit No.	DPD No.	Report No.
		12
Engineer/Architect		
Client/Owner		
Lozier Development, LLC		
General Contractor/Superintendent		
Lozier Development, LLC		
Grading Contractor/Superintendent		
Universal Land Construction Company		

TO: Lozier Development, LLC
1300 114th Avenue SE, Suite 100
Bellevue, WA 98004
ATTN: Paul Ebensteiner / (425) 495-6739

AS REQUESTED BY: Client

THE FOLLOWING WAS NOTED:

AESI was requested to observe geotechnical conditions. AESI was onsite between the times of 9:30am and 12:30pm.

EROSION CONTROL

During the site visit the following was observed:

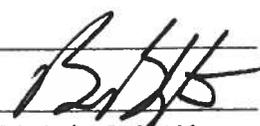
- No water was leaving the site
- The quarry spalls in the job site access area were free of soil and staying clean
- A street sweeper was utilized to clean up any track out

SOUTHERN POND WATER QUALITY ANALYSIS

A sample was collected and tested for high pH. Dry ice was added to the pond 24 hours prior. The dry ice had minimal effects to neutralize the high pH. AESI added a larger amount of dry ice (16lbs) in an attempt to lower the pH in the water. The dry ice was crushed before adding it to the water. Samples were also collected upstream and downstream of the project site. These samples fell within the range of acceptability for both pH and turbidity. AESI will return tomorrow (01/22/2015) to analyze the water in the southern pond. (See data below. See Page 2 for sampling locations.)

- **Upstream Background Testing Location**
 - pH : 8.0
 - Turbidity : 3.4 NTU
- **Southern Pond**
 - pH : 12.4
 - Turbidity : N/A
- **Discharge Testing Location**
 - pH : 7.9
 - Turbidity : 4.2 NTU

Copies To: _____
Date Mailed: JAN 27 2015
v. 6/14

Field Rep: Aaron Turnley
Principal / PM: Bruce Blyton, P.E. 

This document is considered a DRAFT until signed or initialed by an AESI Principal or Project Manager



AESI FIELD REPORT

To: _____
Date: 01/21/15
Permit No. _____

Project Name: Whitman Court Townhomes
Project No.: KE130602A
DPD No. _____

SOUTHERN BOUNDARY OVER EXCAVATION

AESI observed the contractor excavate down to grade along the southern boundary of the project site. Perched water was encountered directly above the un-weathered till layer. AESI estimated that the water was flowing out of the leading edge of the cut at a rate of 2-3gal/min. The water slowed down as the contractor excavated to the east. AESI recommended that the contractor over excavate to firm and unyielding soil and place six inches of 2-4" quarry spalls, to support overlying fill. (See picture below. See Page 3 for excavation location.)

Note: All tests results provided to the contractor before departure.



**Excavation on Southern Boundary
01/21/15**

Copies To: _____
Date Mailed: _____
v. 6/14

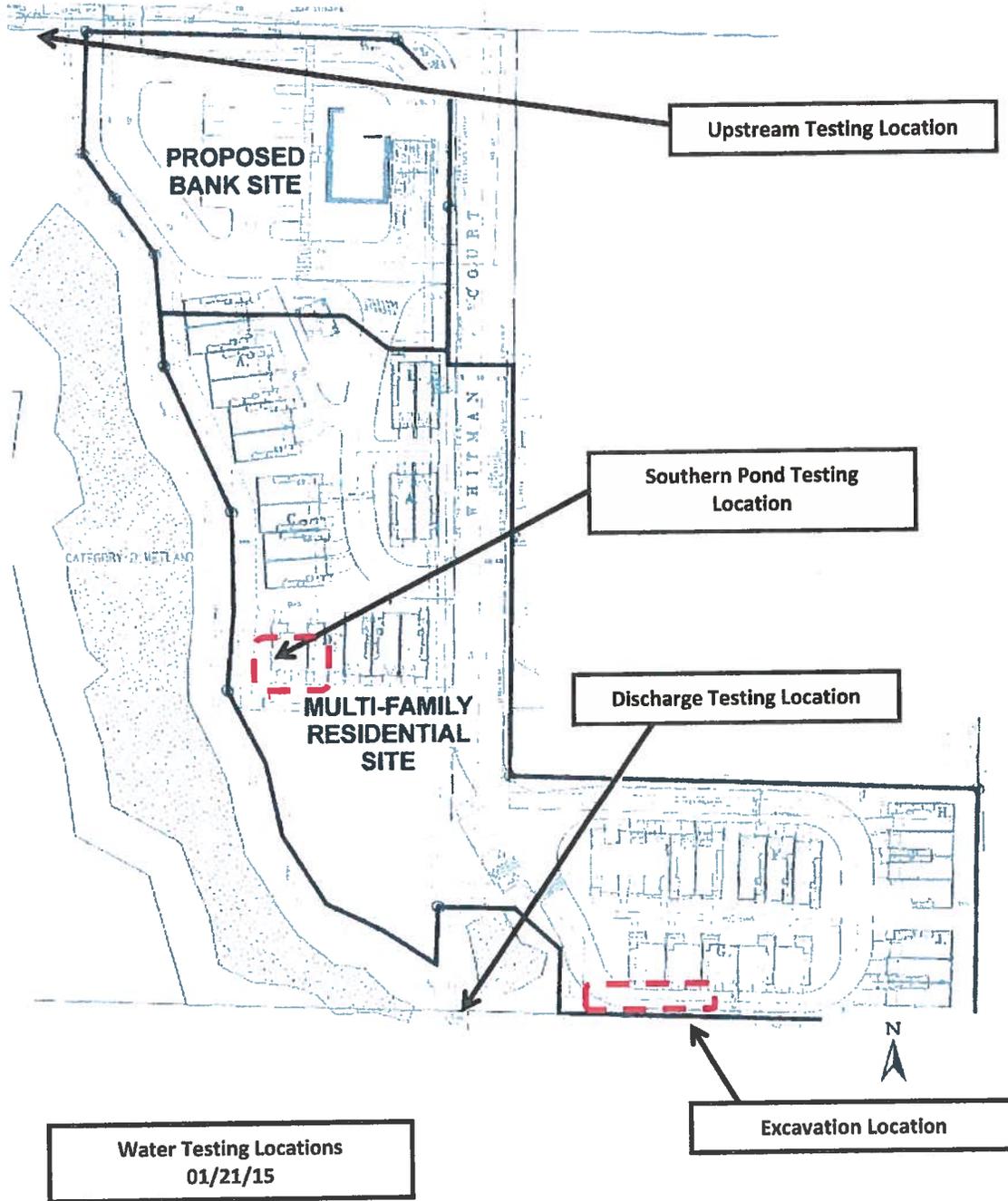
Field Rep: Aaron Turnley
Principal / PM: Bruce Blyton, P.E.



AESI FIELD REPORT

To: _____
 Date: 01/21/15
 Permit No. _____

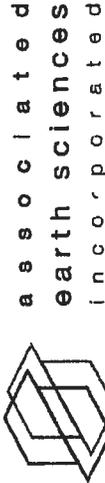
Project Name: Whitman Court Townhomes
 Project No.: KE130602A
 DPD No. _____



Copies To: _____
 Date Mailed: _____
 v. 6/14

Field Rep: Aaron Turnley
 Principal / PM: Bruce Blyton, P.E.

TESC Monitoring Form



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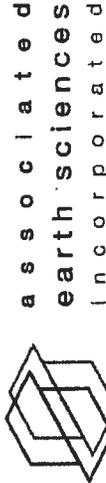
NPDES Permit No. 302 127		TESC Report # 1	
Client Name: Lozier Development, LLC		Project Number: KE130602A	
Project Name: Whitmore Court Townhomes		Date: 1/7/2015	Time: 8:00am
Location: 351 Whitman Court NE		Project Manager: Aaron McMichael	
C/S/Z: Renton, WA		Previous Inspection Date: N/A	
Weather: Cloudy		Site Access Restricted (off hours): N/A	
Rainfall (inches): 0" / 24 hours		Sediment Track Out: Minimal	
Discharge Quality/Condition: 2-4" quarry spalls		Street sweeper running daily	
Construction Entrance: Entrance clean, minimal trackout		Catch Basin: Clean	
Wheel Wash: N/A		Socks in place	
Roadway Surface: Clean		Buffer Area Stabilization: In place	
Street sweeper running daily		Contractor left 25' vegetation buffer between Whitman Court NE and project area	
Clearing Limits: In place		Concrete Work: N/A	
Limits set around the entirety of project site		(sidewalks, curbing, foundation)	
Silt Fencing: In place		Straw: Onsite	
Silt fencing in place		Contractor waiting to finish berm before placing straw	
Cover measures Overall: N/A		Hydroseed: N/A	
Plastic Sheeting: N/A		Check Dams: N/A	
Conveyance Channel: N/A		Pipe Slope Drains: N/A	
Stockpile Cover: N/A		Landscaping/Mulch: N/A	
Level Spreader: N/A		Sediment Pond Inlet/Outlet: No discharge	
Sediment Pond/ Trap: N/A		(rilling/scour)	
Sediment Pond Side Slopes: N/A		Sediment Pond / Trap Discharge (estimated): N/A	
Water Quality Sample: No		Surface Water Observation: Wetland to the west is clear	
Turbidity (NTU): N/A		(Clear, Turbid, Sheen) (Creek, Wetland, or Lake)	
pH: N/A		Corrective Actions:	
Overall: Site is in compliance		Contractor will build northern sediment pond tomorrow (01/08/15)	
Areas of Concern: Sediment ponds need to be built		Straw will be placed tomorrow along the base of the western berm (01/08/15)	
		Confirmation of past corrections: N/A	

This site is / is not (circle one) in compliance with the terms and conditions of the SWPPP and the NPDES discharge permit. I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Inspector Name: Aaron Turnley Inspector Signature: *Aaron Turnley* Date: 01/07/15 AESI Representative: *AMM* AT Date: 01/07/15

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TESC Monitoring Form



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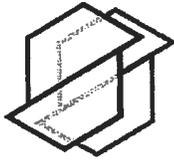
NPDES Permit No. WA R 362127		TESC Report # 2	
Client Name: Lozier Development, LLC		Project Number: KE130602A	
Project Name: Whitmore Court Townhomes	Location: 351 Whitman Court NE	Date: 1/16/2015	Time: 7:30am
Weather: Cloudy	C/S/Z: 0" / 24 hours	Project Manager: Aaron McMichael	Previous Inspection Date: 1/7/2015
Rainfall (inches): 0"	Site Access Restricted (off hours): N/A		
Construction Entrance: 2-4" quarry spalls			
Entrance clean, minimal trackout			
Wheel Wash: N/A	Sediment Track Out: Minimal		
Roadway Surface: Clean	Street sweeper running daily		
Street sweeper running daily	Catch Basin: Clean		
Clearing Limits: In place	Socks in place		
Limits set around the entirety of project site	Buffer Area Stabilization: In place		
Silt Fencing: In place	Contractor left 25' vegetation buffer between Whitman Court NE and project area		
Silt fencing in place	Concrete Work: N/A		
Cover measures Overall: N/A	(sidewalks, curbing, foundation)		
Plastic Sheeting: Lain over west berm/ with sandbags	Straw: N/A		
Conveyance Channel: N/A	Hydroseed: N/A		
Stockpile Cover: N/A	Check Dams: N/A		
Level Spreader: N/A	Pipe Slope Drains: N/A		
Sediment Pond / Trap: Ponds excavated to plan specifications	Landscaping/Mulch: N/A		
Sediment Pond Side Slopes: Cut at a 2:1 ratio	Sediment Pond Inlet/Outlet: No discharge (trilling/scour)		
Water Quality Sample: Yes	Sediment Pond / Trap Discharge (estimated): N/A		
Sample Location: Upstream	Surface Water Observation: Wetland to the west is clear (Clear, Turbid, Sheen) (Creek, Wetland, or Lake)		
Overall: Site is in compliance	Corrective Actions: Contractor will build swales to direct rainwater into ponds (01/19/2015)		
Areas of Concern: Swales need to be built	Confirmation of past corrections: Contractor built northern and southern containment ponds		

This site is 1 not (circle one) in compliance with the terms and conditions of the SWPPP and the NPDES discharge permit. I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Inspector Name: **Aaron Turnley** Inspector Signature: *Aaron Turnley* Date: **01/16/15** AT Date: **01/16/15**

This form to be filed in a weekly Site Log Book and copies sent to contractor and client manager.

AES representative
JAN 23 2015



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FIELD REPORT

Page 1 of 4

911 Fifth Avenue
Kirkland, Washington 98033
Phone: 425-827-7701
Fax: 425- 827-5424
www.aesgeo.com

Date 01/16/15	Project Name Whitman Court Townhomes	Project No. KE130602A
Location 351 Whitman Court NE	Municipality Renton	Weather Clear, 50's
Permit No.	DPD No.	Report No. 9
Engineer/Architect		
Client/Owner Lozier Development, LLC		
General Contractor/Superintendent Lozier Development, LLC		
Grading Contractor/Superintendent Universal Land Construction Company		

TO: Lozier Development, LLC
1300 114th Avenue SE, Suite 100
Bellevue, WA 98004
ATTN: Paul Ebensteiner / (425) 495-6739

AS REQUESTED BY: Client

THE FOLLOWING WAS NOTED:

AESI was requested to observe geotechnical conditions. AESI was onsite between the times of 8:00am and 10:00am.

EROSION CONTROL

During the site visit the following was observed:

- No water was leaving the site
- The quarry spalls in the job site access area were free of soil and staying clean
- A street sweeper was utilized to clean up any track out
- Plastic sheeting was laid over the western berm and held down with sandbags laid out on average every ten feet (See picture on Page 3).
- The contractor completed the southern sediment containment pond. (See drawing on Page 2 for location) (See picture of Page 4)

WATER QUALITY TESTING

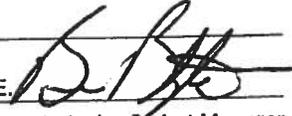
Although the project site was not discharging any water, samples were taken at various points to determine water quality in the ponds as well as background levels upstream and downstream of the site. The storm water ponds were excavated to a depth below the previously placed fill and native recessional out wash contact. The ponds are infiltrating into the recessional out wash. pH and turbidity testing was conducted and all test results passed. (See Page 2 for test locations).

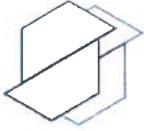
- **Upstream Background Testing Location**
 - pH : 7.7
 - Turbidity : 3.46 NTU
- **Northern Pond**
 - pH : 8
 - Turbidity : 2.37 NTU
- **Discharge Testing Location**
 - pH : 7.6
 - Turbidity : 3.42 NTU

Copies To: _____

Field Rep: Aaron Turnley

Date Mailed: JAN 23 2015

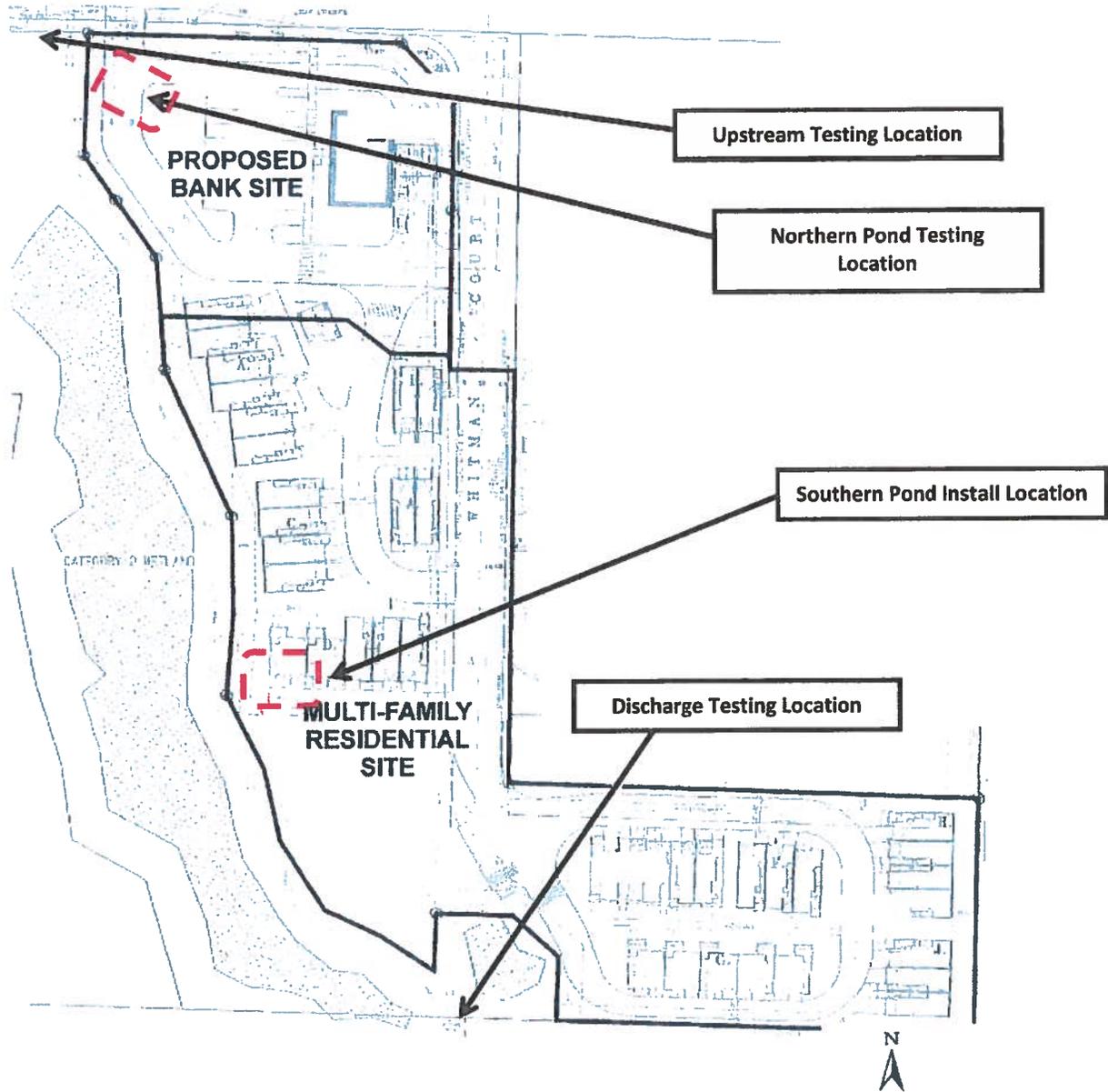
Principal / PM: Bruce Blyton, P.E. 



AESI FIELD REPORT

To: _____
Date: 01/16/15
Permit No. _____

Project Name: Whitman Court Townhomes
Project No.: KE130602A
DPD No. _____



**Water Testing Locations
01/16/15**

Copies To: _____

Field Rep: Aaron Turnley

Date Mailed: _____

Principal / PM: Bruce Blyton, P.E.



AESI FIELD REPORT

To: _____
Date: 01/16/15
Permit No. _____

Project Name: Whitman Court Townhomes
Project No.: KE130602A
DPD No. _____



Plastic Install
01/16/15

Copies To: _____

Field Rep: Aaron Turnley

Date Mailed: _____

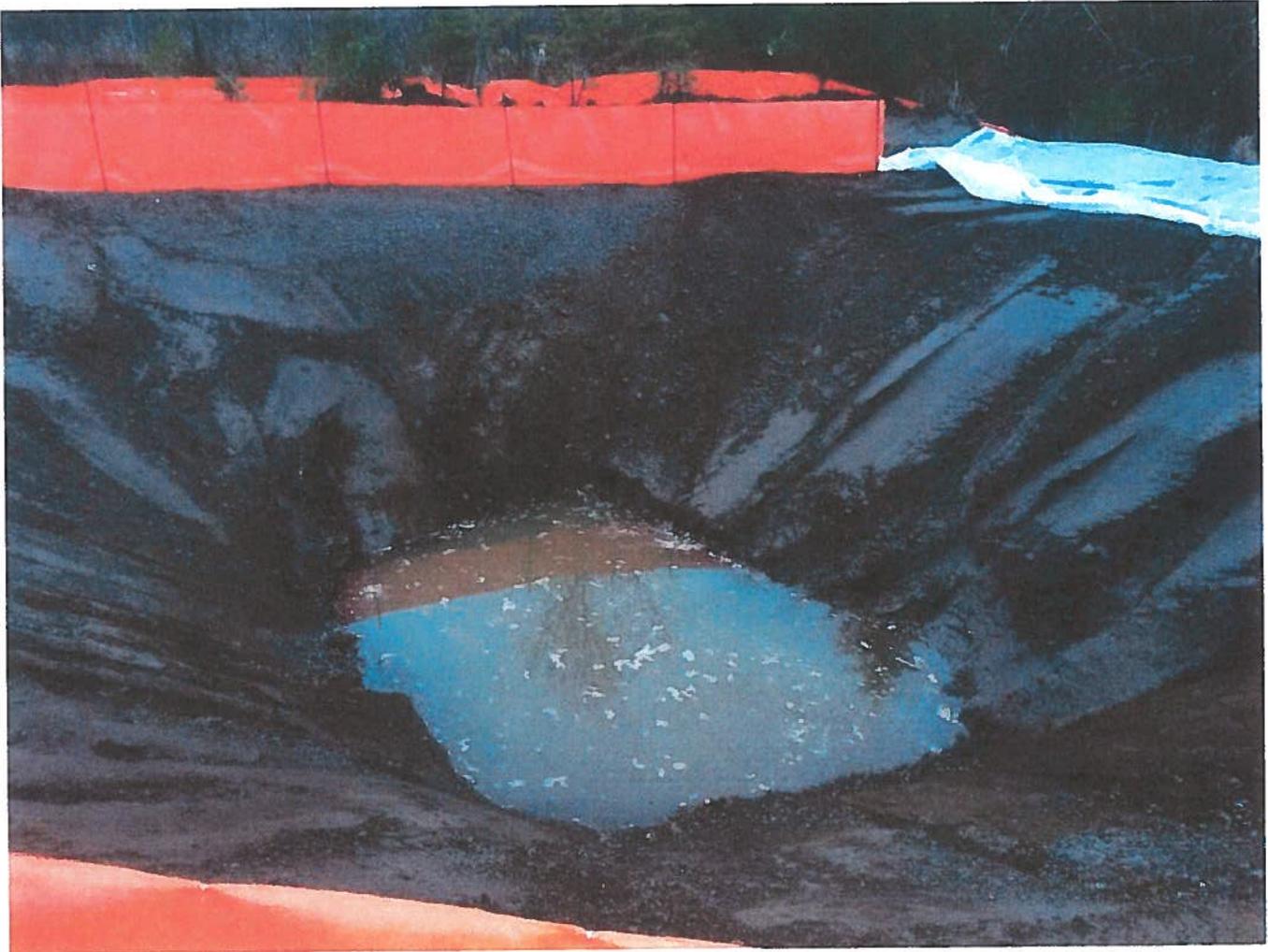
Principal / PM: Bruce Blyton, P.E.



AESI FIELD REPORT

To: _____
Date: 01/16/15
Permit No. _____

Project Name: Whitman Court Townhomes
Project No.: KE130602A
DPD No. _____



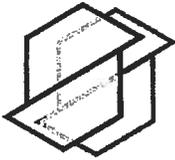
**Southern Pond
01/16/15**

Copies To: _____

Field Rep: Aaron Turnley

Date Mailed: _____

Principal / PM: Bruce Blyton, P.E.



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FIELD REPORT

Page 1 of 2

911 Fifth Avenue
Kirkland, Washington 98033
Phone: 425-827-7701
Fax: 425-827-5424
www.aesgeo.com

Date	Project Name	Project No.
01/19/15	Whitman Court Townhomes	KE130602A
Location	Municipality	Weather
351 Whitman Court NE	Renton	Cloudy, 30's
Permit No.	DPD No.	Report No.
		10
Engineer/Architect		
Client/Owner		
Lozier Development, LLC		
General Contractor/Superintendent		
Lozier Development, LLC		
Grading Contractor/Superintendent		
Universal Land Construction Company		

TO: Lozier Development, LLC
1300 114th Avenue SE, Suite 100
Bellevue, WA 98004
ATTN: Paul Ebensteiner / (425) 495-6739

AS REQUESTED BY: Client

THE FOLLOWING WAS NOTED:

AESI was requested to observe geotechnical conditions. AESI was onsite between the times of 7:30am and 9:30am.

EROSION CONTROL

During the site visit the following was observed:

- No water was leaving the site
- The quarry spalls in the job site access area were free of soil and staying clean
- A street sweeper was utilized to clean up any track out

WATER QUALITY ANALYSIS

Due to the amount of precipitation over the weekend (1.5") water quality testing was conducted. Samples for turbidity and pH were collected at three different locations. An upstream "background" sample was taken to determine if outside sources may be influencing the results downstream. All three tests passed within project specification. (See results below. See drawing on Page 2 for sample locations.)

- **Upstream Background Testing Location**
 - pH : 8.0
 - Turbidity : 5.6 NTU
- **Northern Pond**
 - pH : 8.1
 - Turbidity : 8.4 NTU
- **Discharge Testing Location**
 - pH : 7.9
 - Turbidity : 5.3 NTU

SAMPLE PROCUREMENT

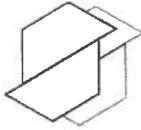
Onsite, previously placed pit run was excavated and stockpiled for future use. A sample of this material was collected and will be transported to Kirkland for proctor analysis. (See Page 2 for sample location.)

Note: All tests results provided to the contractor before departure.

Copies To: _____
JAN 23 2015
Date Mailed: _____
v. 6/14

Field Rep: Aaron Turnley
Principal / PM: Bruce Blyton, P.E. 

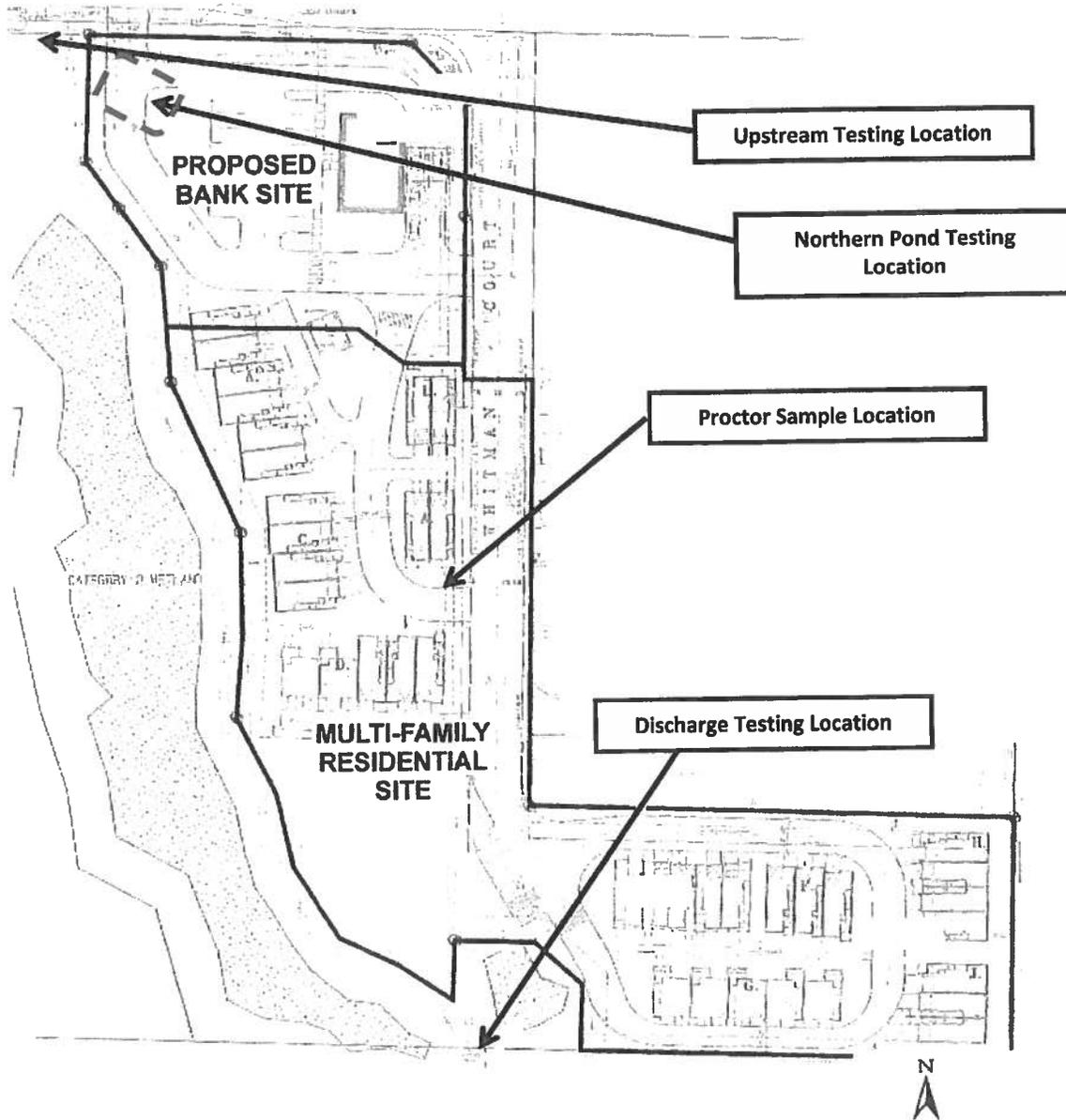
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AESI FIELD REPORT

To: _____
Date: 01/19/15
Permit No. _____

Project Name: Whitman Court Townhomes
Project No.: KE130602A
DPD No. _____



**Water Testing Locations
01/19/15**

Copies To: _____

Field Rep: Aaron Turnley

Date Mailed: _____

Principal / PM: Bruce Blyton, P.E.

TESC Monitoring Form



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TESC Report #

4

Project Number:

KE130602A

Client Name:

Lozler Development, LLC

Location:

Whitmore Court Townhomes

C/S/Z:

351 Whitman Court NE
Renton, WA

Date:

1/28/2015

Time:

8:00am

Project Manager:

Aaron McMichael

Weather:

Clear

Rainfall (Inches)

.13" / 24 hours

.63" / past week

Previous Inspection Date:

1/19/2015

Construction Entrance:

2-4" quarry spalls

Site Access Restricted (off hours):

N/A

Wheel Wash:

N/A

Sediment Track Out:

Minimal

Roadway Surface:

Clean

Street sweeper running daily

Clearing Limits:

In place

Catch Basin:

Clean

Limits set around the entirety of project site

Buffer Area Stabilization:

N/A

Silt Fencing:

In place

Concrete Work:

N/A

Silt fencing in place

(sidewalks, curbing, foundation)

Cover measures Overall:

N/A

Straw:

N/A

Plastic Sheeting:

Lain over west berm/ with sandbags

Hydroseed:

N/A

Conveyance Channel:

N/A

Check Dams:

Placed at pond entry points and emergency discharge points

Stockpile Cover:

N/A

Pipe Slope Drains:

N/A

Level Spreader:

N/A

Landscaping/Mulch:

N/A

Sediment Pond/ Trap:

Ponds excavated to plan specifications

Sediment Pond Inlet/Outlet:

Slight rilling on inlets of pond 1 and 2

Sediment Pond Side Slopes:

Cut at a 2:1 ratio

Sediment Pond / Trap Discharge (estimated):

No discharge

Water Quality Sample:

Yes

Turbidity (NTU): 3.4

Sample Location:

Downstream

pH: 8

Surface Water Observation:

Wetland to the west is clear

Overall:

Site is in compliance

Corrective Actions:

N/A

Areas of Concern:

Stabilization of pond walls and inlets

Confirmation of past corrections:

N/A

Phase II needs sediment pond built

Inspector Name

Aaron Turnley

Inspector Signature

Date: 01/28/15

AEI Representative

Date: 01/28/15

This site is *is not* (circle one) in compliance with the terms and conditions of the SWPPP and the NPDES discharge permit. I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Inspector Name

Aaron Turnley

Inspector Signature

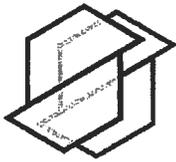
Date: 01/28/15

AEI Representative

Date: 01/28/15

5107 8 034

Date: 01/28/15



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FIELD REPORT

Page 1 of 3

911 Fifth Avenue
Kirkland, Washington 98033
Phone: 425-827-7701
Fax: 425-827-5424
www.aesgeo.com

Date 01/22/15	Project Name Whitman Court Townhomes	Project No. KE130602A
Location 351 Whitman Court NE		Municipality Renton
Permit No.	DPD No.	Weather Cloudy, 40's
Report No. 13		
Engineer/Architect		
Client/Owner Lozier Development, LLC		
General Contractor/Superintendent Lozier Development, LLC		
Grading Contractor/Superintendent Universal Land Construction Company		

TO: Lozier Development, LLC
1300 114th Avenue SE, Suite 100
Bellevue, WA 98004

ATTN: Paul Ebensteiner / (425) 495-6739

AS REQUESTED BY: Client

THE FOLLOWING WAS NOTED:

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EROSION CONTROL:

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- A street sweeper was utilized to clean up any track out

SOUTHERN POND WATER QUALITY ANALYSIS:

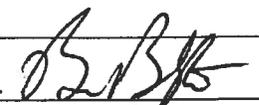
A sample was collected and tested for high pH. Dry ice was added to the pond 24 hours prior. The dry ice had minimal effects to neutralize the high pH. Samples were also collected upstream and downstream of the project site. These samples fell within the range of acceptability for both pH and turbidity. The contractor has set up a BAKER tank which will be used as a treatment facility. Water will be pumped from the southern pond into the BAKER tank and treated before it is released into the northern pond to infiltrate.

- **Upstream Background Location**
 - pH : 7.8
 - Turbidity : 4.6 NTU
- **Southern Pond**
 - pH : 12.5
 - Turbidity : No Discharge
- **Discharge Location**
 - pH : 8.0
 - Turbidity : 3.6 NTU

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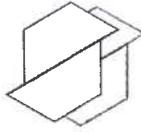
Field Rep: Aaron Turnley

Date Mailed: FEB 03 2015

Principal / PM: Bruce Blyton, P.E. 

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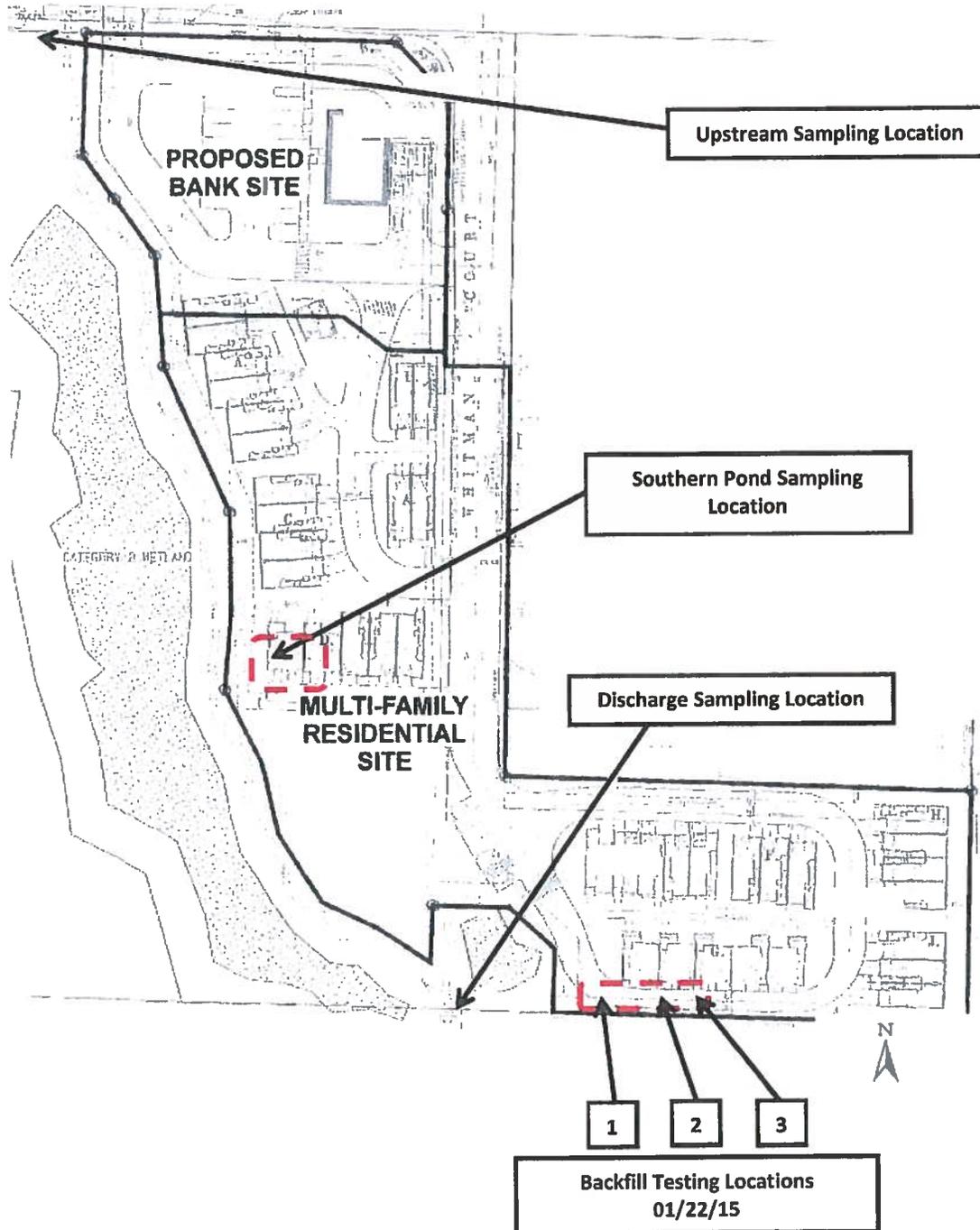
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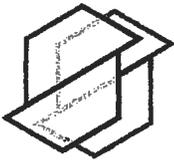
To: _____
Date: 01/22/15
Permit No. _____

Project Name: Whitman Court Townhomes
Project No.: KE130602A
DPD No. _____



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Date Mailed: _____
v. 6/14

Field Rep: Aaron Turnley
Principal / PM: Bruce Blyton, P.E.



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i n c o r p o r a t e d

FIELD REPORT

Page 1 of 3

911 Fifth Avenue
Kirkland, Washington 98033
Phone: 425-827-7701
Fax: 425- 827-5424
www.aesgeo.com

Date 01/23/15	Project Name Whitman Court Townhomes	Project No. KE130602A
Location 351 Whitman Court NE		Municipality Renton
Permit No.	DPD No.	Weather Rain, 40's
Report No. 14		
Engineer/Architect		
Client/Owner		
Lozier Development, LLC		
General Contractor/Superintendent		
Lozier Development, LLC		
Grading Contractor/Superintendent		
Universal Land Construction Company		

TO: Lozier Development, LLC
1300 114th Avenue SE, Suite 100
Bellevue, WA 98004

ATTN: Paul Ebensteiner / (425) 495-6739

AS REQUESTED BY: Client

THE FOLLOWING WAS NOTED:

AESI was requested to observe geotechnical conditions. AESI was onsite between the times of 8:00am and 10:00am.

EROSION CONTROL:

During the site visit the following was observed:

- No water was leaving the site
- The quarry spalls in the job site access area were free of soil and staying clean
- A street sweeper was utilized to clean up any track out
- The contractor did not move any soil due to the precipitation

WATER ANALYSIS:

Water samples were collected from four locations around the project site. The samples were tested for high pH and turbidity. All tests passed within minimum project specifications, except the southern pond. The water in the southern pond will be pumped into the BAKER tank on Monday (01/26/2015) and be treated. (See data below. See Page 3 for sample locations.)

- **Upstream Background Sampling Location**
 - pH : 7.8
 - Turbidity : 2.2 NTU
- **Northern Pond**
 - pH : 8.0
 - Turbidity : No Discharge
- **Southern Pond**
 - pH : 12.2
 - Turbidity : No Discharge
- **Discharge Sampling Location**
 - pH : 7.7
 - Turbidity : 1.5 NTU

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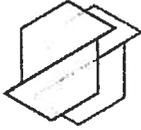
Field Rep: Aaron Turnley

Date Mailed: FEB 03 2015

Principal / PM: Bruce Blyton, P.E.

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AESI FIELD REPORT

To: _____
 Date: 01/23/15
 Permit No. _____

Project Name: Whitman Court Townhomes
 Project No.: KE130602A
 DPD No. _____

PIPE SLOPE DRAIN INSTALL:

AESI observed the contractor install an eight inch corrugated storm pipe along the southern edge of the project. The pipe was tied into the existing outfall from the vault for the street above to the east. This pipe will divert water through the project site via a contained system. The outfall will be placed into the vegetation to the west. (See Page 3 for install location.)

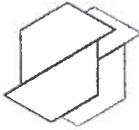
Note: All tests results provided to the contractor before departure.

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Field Rep: Aaron Turnley

Date Mailed: _____

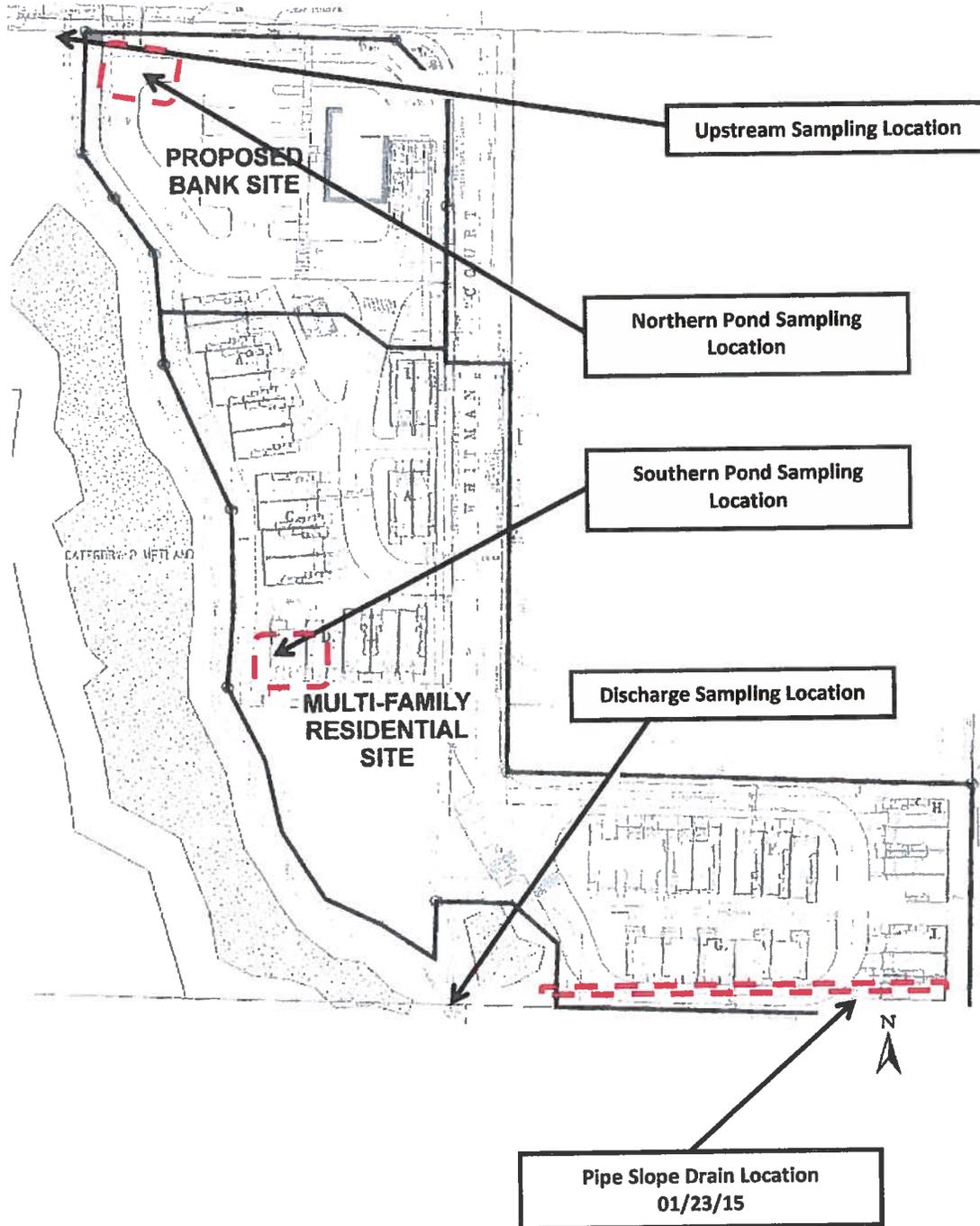
Principal / PM: Bruce Blyton, P.E.



AESI FIELD REPORT

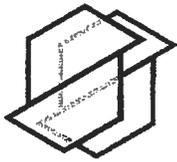
To: _____
 Date: 01/23/15
 Permit No. _____

Project Name: Whitman Court Townhomes
 Project No.: KE130602A
 DPD No. _____



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Field Rep: Aaron Turnley
 Principal / PM: Bruce Blyton, P.E.



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911 Fifth Avenue
Kirkland, Washington 98033
Phone: 425-827-7701
Fax: 425- 827-5424
www.aesgeo.com

Date	Project Name	Project No.
01/26/15	Whitman Court Townhomes	KE130602A
Location	Municipality	Weather
351 Whitman Court NE	Renton	Cloudy, 40's
Permit No.	DPD No.	Report No.
		15
Engineer/Architect		
Client/Owner		
Lozier Development, LLC		
General Contractor/Superintendent		
Lozier Development, LLC		
Grading Contractor/Superintendent		
Universal Land Construction Company		

TO: Lozier Development, LLC
1300 114th Avenue SE, Suite 100
Bellevue, WA 98004

ATTN: Paul Ebensteiner / (425) 495-6739

AS REQUESTED BY: Client

THE FOLLOWING WAS NOTED:

AESI was requested to observe geotechnical conditions. AESI was onsite between the times of 9:00am and 10:15am.

EROSION CONTROL:

During the site visit the following was observed:

- No water was leaving the site
- The quarry spalls in the job site access area were free of soil and staying clean
- A street sweeper was utilized to clean up any track out

SOUTHERN POND PUMPING:

AESI observed the contractor start to pump water from the southern pond into the BAKER tank. Due to an equipment failure pumping was halted. The contractor expects to receive replacement parts today and continue pumping. AESI will return tomorrow (01/27/2015) to test and treat the water in the BAKER tank.

WATER QUALITY ANALYSIS:

Water samples were collected from three locations around the project site. The samples were tested for high pH and turbidity. All tests passed within minimum project specifications, except the southern pond. The water in the southern pond will be pumped into the BAKER tank today. (See data below. See Page 3 for sample locations.)

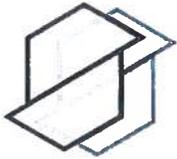
- **Upstream Background Sampling Location**
 - pH : 7.9
 - Turbidity : 3.7 NTU
- **Southern Pond**
 - pH : 12.5
 - Turbidity : No Discharge
- **Discharge Sampling Location**
 - pH : 8.0
 - Turbidity : 2.4 NTU

Note: All tests results provided to the contractor before departure.

Copies To: _____
Date Mailed: FEB 03 2015
v. 6/14

Field Rep: Aaron Turnley
Principal / PM: Bruce Blyton, P.E.

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911 Fifth Avenue
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Phone: 425-827-7701
Fax: 425- 827-5424
www.aesgeo.com

Date	Project Name	Project No.
02/9/15	Whitman Court Townhomes	KE130602A
Location	Municipality	Weather
351 Whitman Court NE	Renton	Rain, 40's
Permit No.	DPD No.	Report No.
		20
Engineer/Architect		
Client/Owner		
Lozier at Whitman Court, LLC.		
General Contractor/Superintendent		
Lozier Development, LLC		
Grading Contractor/Superintendent		
Universal Land Construction Company		

TO: Lozier Development, LLC
1300 114th Avenue SE, Suite 100
Bellevue, WA 98004
ATTN: Paul Ebensteiner / (425) 495-6739

AS REQUESTED BY: Client

THE FOLLOWING WAS NOTED:

AESI was requested to observe geotechnical conditions. AESI was onsite between the times of 7:30am and 9:30am.

EROSION CONTROL:

During the site visit the following was observed:

- No water was discharged from the site
- The quarry spalls in the job site access area were free of soil and staying clean
- Plastic was laid over any soil unworked for more than 48 hours
- Street was clear of any track out
- North pond is infiltrating

NORTHERN POND WATER TREATMENT:

Upon arrival, AESI observed that there was sufficient storage capacity in the southern pond so pumping was not needed. Due to the amount of surface runoff from the project site over the weekend a pH reading was taken in the northern pond. The pH in the northern pond was 10.0. An estimated 4,500gal was in the northern pond. Approximately 40lbs of dry ice was added to the northern pond (BMP C252: High pH Neutralization using CO₂) in order to lower the pH to an acceptable level. Once the reaction was complete AESI took another pH reading. After the treatment, the pH of the water in the pond was 7.9. A pH reading was also taken downstream of the site before the northern pond was treated, and it was 8.1. With this information, it can be concluded that the high pH of the northern pond water was not influencing the wetland bordering the project site.

WATER QUALITY ANALYSIS:

A water sample was collected from one location on the project site. The sample was tested for high pH and turbidity. The test passed within minimum project specifications. (See data below. See Page 2 for sample location).

- **Downstream: Monitoring Point 001 – Discharge into unnamed stream**
 - pH : 8.1
 - Turbidity : 3.3 NTU

Note: All tests results provided to the contractor before departure.

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Field Rep: Aaron Turnley
Principal / PM: Bruce Blyton, P.E. 

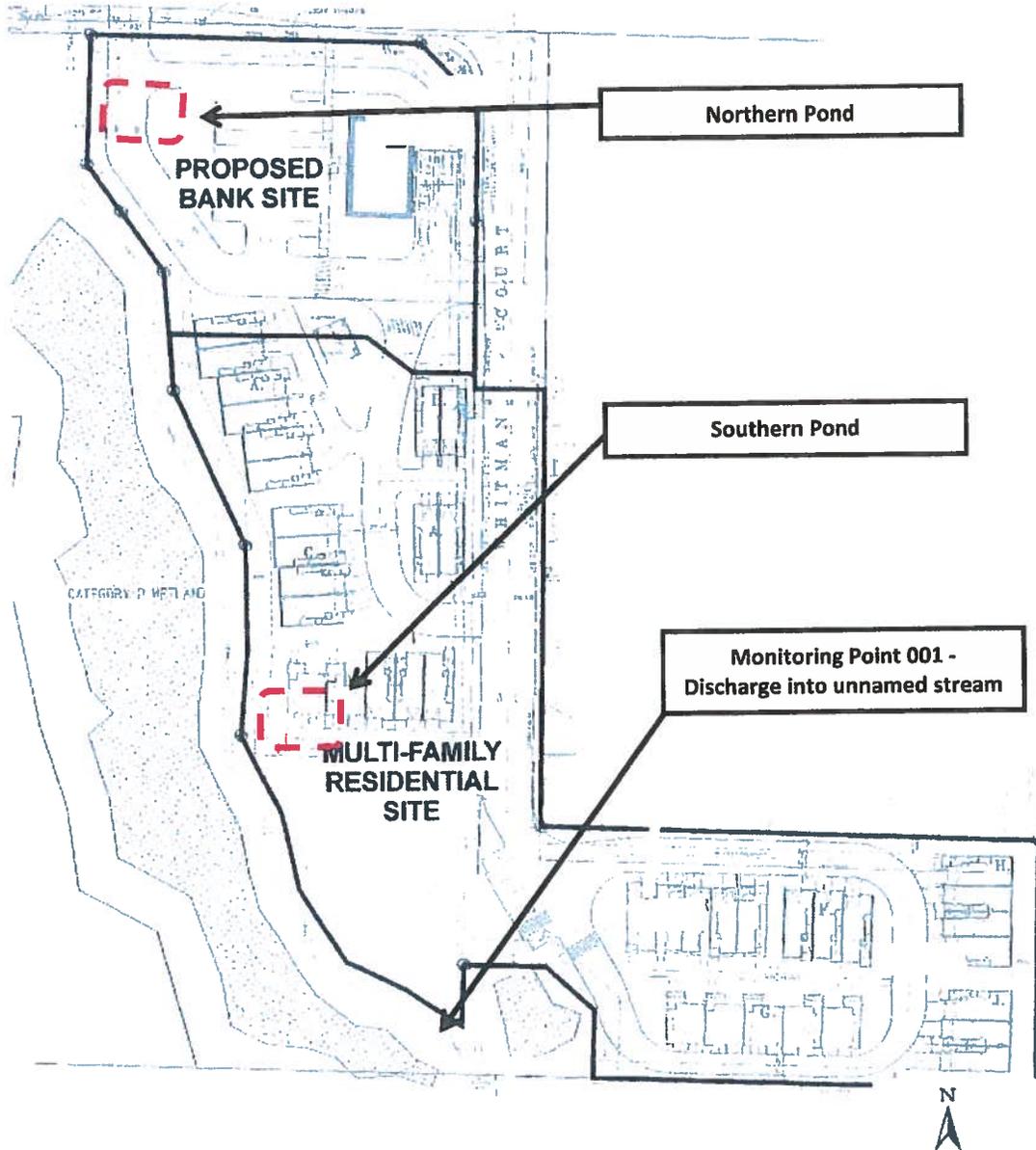
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AESI FIELD REPORT

To: _____
Date: 02/09/15
Permit No. _____

Project Name: Whitman Court Townhomes
Project No.: KE130602A
DPD No. _____



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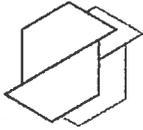
Field Rep: Aaron Turnley

Date Mailed: _____

Principal / PM: Bruce Blyton, P.E.

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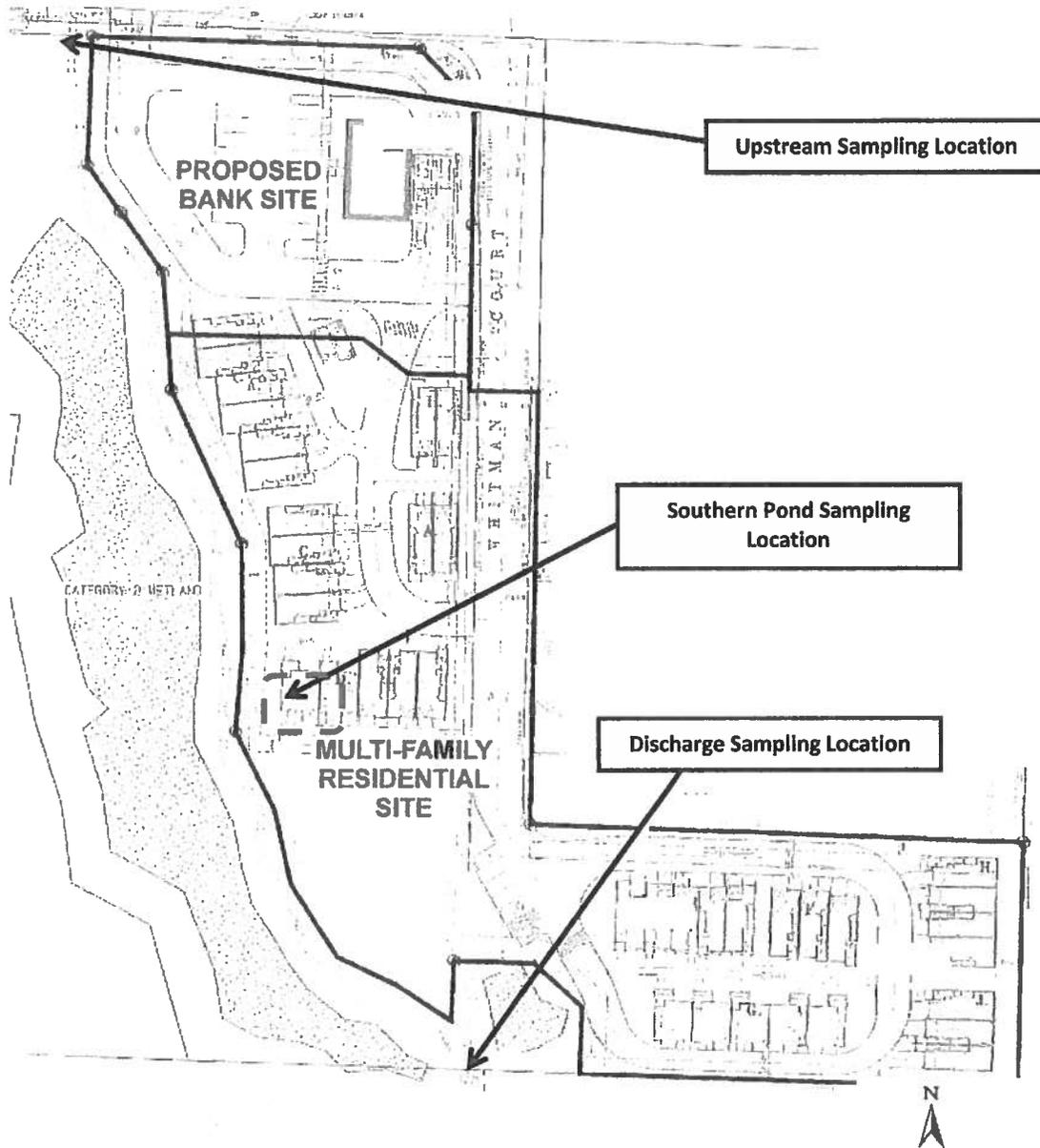
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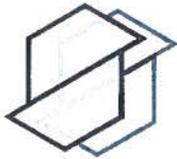
To: _____
Date: 01/26/15
Permit No. _____

Project Name: Whitman Court Townhomes
Project No.: KE130602A
DPD No. _____



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Field Rep: Aaron Turnley
Principal / PM: Bruce Blyton, P.E.



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911 Fifth Avenue
Kirkland, Washington 98033
Phone: 425-827-7701
Fax: 425-827-5424
www.aesgeo.com

Date 02/6/15	Project Name Whitman Court Townhomes	Project No. KE130602A	
Location 351 Whitman Court NE		Municipality Renton	Weather Rain, 40's
Permit No.	DPD No.	Report No. 19	
Engineer/Architect			
Client/Owner Lozier at Whitman Court, LLC.			
General Contractor/Superintendent Lozier Development, LLC			
Grading Contractor/Superintendent Universal Land Construction Company			

TO: Lozier Development, LLC
1300 114th Avenue SE, Suite 100
Bellevue, WA 98004
ATTN: Paul Ebensteiner / (425) 495-6739

AS REQUESTED BY: Client

THE FOLLOWING WAS NOTED:

AESI was requested to observe geotechnical conditions. AESI was onsite between the times of 7:00am and 3:00pm.

EROSION CONTROL:

During the site visit the following was observed:

- No water was discharged from the site
- The quarry spalls in the job site access area were free of soil and staying clean
- Plastic was laid over any soil unworked for more than 48 hours
- Street was clear of any track out
- North pond is infiltrating

WATER TREATMENT:

AESI observed the contractor pump water from the southern pond into the onsite BAKER tank. An estimated 12,000gal was pumped into the tank. Once the BAKER tank was full a pH reading was taken. The pH in the BAKER tank was 11.7. Approximately 90lbs of dry ice was added to the tank (BMP C252: High pH Neutralization using CO₂) in order to lower the pH to an acceptable level. Once the reaction was complete AESI took another pH reading. After the treatment, the pH of the water in the tank was 7.7. The contractor released the treated water from the BAKER tank into the north pond, where it will naturally infiltrate.

WATER QUALITY ANALYSIS:

A water sample was collected from one location on the project site. The sample was tested for high pH and turbidity. The test passed within minimum project specifications. (See data below. See Page 2 for sample location).

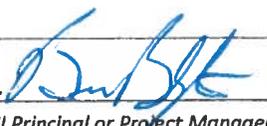
- **Downstream: Monitoring Point 001 – Discharge into unnamed stream**
 - pH : 7.9
 - Turbidity : 2.5 NTU

Note: All tests results provided to the contractor before departure.

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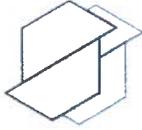
Field Rep: Aaron Turnley

Date Mailed: _____

Principal / PM: Bruce Blyton, P.E. 

v. 6/14

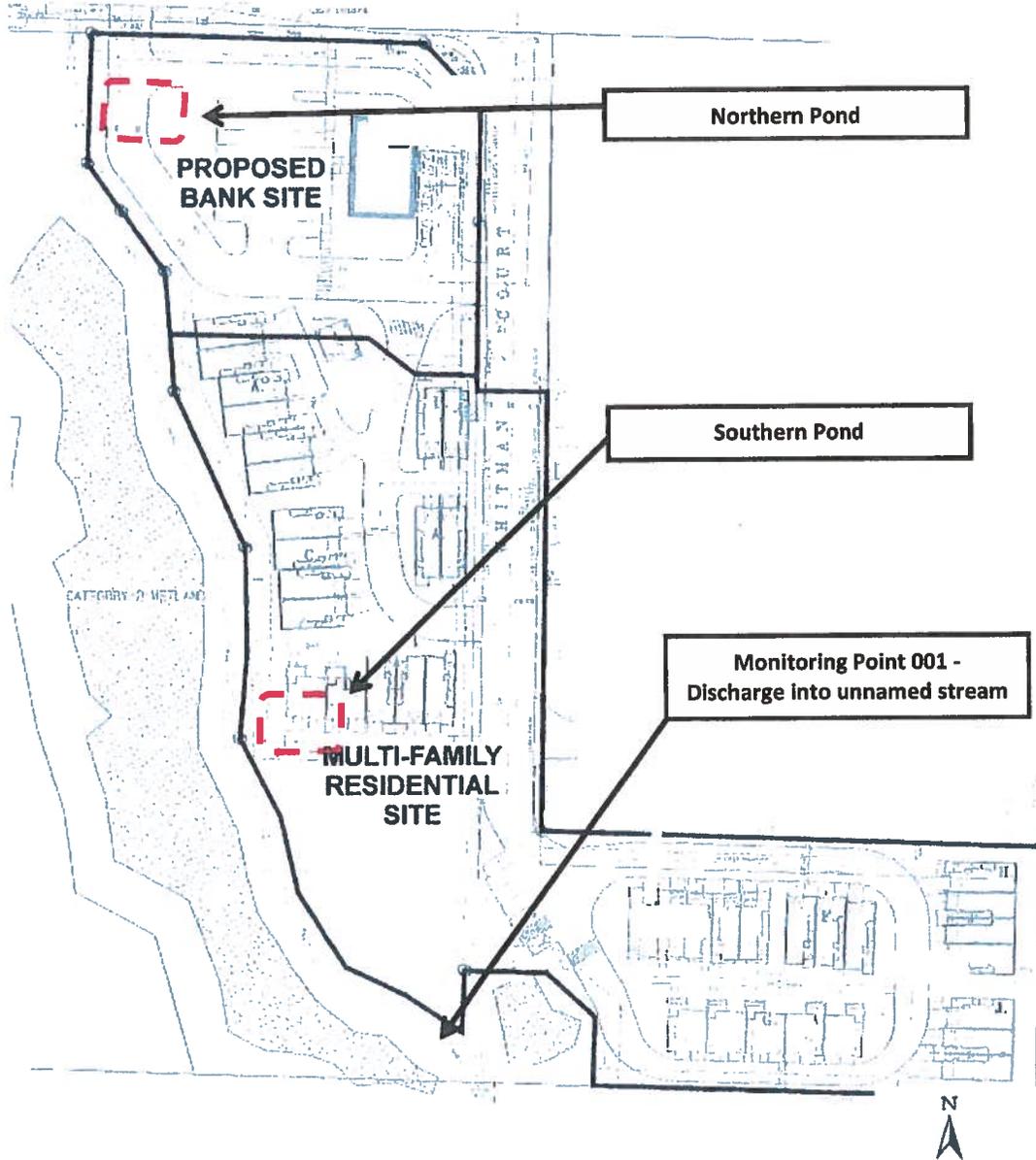
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AESI FIELD REPORT

To: _____
Date: 02/06/15
Permit No. _____

Project Name: Whitman Court Townhomes
Project No.: KE130602A
DPD No. _____



Copies To: Distribution

Field Rep: Aaron Turnley

Date Mailed: _____

Principal / PM: Bruce Blyton, P.E.