

Field/Material Report

Report #: 081755

A.A.R. Testing Laboratory, Inc. 7126 180th Ave.N.E., Park 180, Suite C101, Redmond, WA 98052
Phone 425.881.5812 Fax 425.881.5441

Client Name: DGR Development, Inc.

Project Number: 15-347

Contact: Michael Roland

Permit #: BNR 15-00957

Client Address: 7931 233rd Place S.E.
Woodinville, WA 98072

Project Name: Alex Lane
Address: 12643 N.E. 70th St.

Date: 6/17/2015

Supplier:	CalPortland	Air Temperature:	67 F	
Material Data:	Concrete	Concrete Temperature:	78 F	ASTM C 1064
Plant Number:	282	Air Content:	%	ASTM C 231
Mix Number:	61946	Slump:	5 "	ASTM C 143
Truck Number:	7618	Time Sampled:	8:10:00 AM	
Ticket Number:	1168482	Added Water:	40	ByWhom: QC
Number of Samples:	5	Air Entrainment (oz/yd):		
Yards placed:	40/150	Admixtures (oz/yd):	WRDA	18
Design Strength:	4000			

Inspection Performed: Reinforced Concrete

Location: Detention vault - Cells 1 and 2 walls

Grid Lines:

Remarks: Resteeel inspected prior to placement as per report 060284 dated 6-9-2015 and 63680 dated 6-10-2015, verified clearance conformance. CalPortland approved mix 61946 was placed via boom pump and was mechanically consolidated in accordance with approved contract documentation.

Conforming to approved plans

Inspector: Gabrys, Jordan

2nd Inspector:

3rd Inspector:

Samples Tested in Accordance with ASTM: C 1231 C 31 C 172 C 39

Sample ID	Test Date	Age	Size	Area	Set #	Total Load	PSI	Method	Fracture Type
1506360	6/24/2015	7	4 X 8	12.56	1/1	49780	3960	C 1231	Cone

Distribution:

Client

Contractor

Owner

Date Mailed:

Municipality

Engineer

Architect

Tested By: Mike Jarbeau

Distribute Other

Reviewed: Mike Blackwell

All tests in accordance with the requirements of ASTM C 31 for casting and curing concrete specimens in the field excluding Section 10.1.2 (required use of a maximum-minimum thermometer). All reports are considered confidential and are the property of the client and A.A.R. Testing Laboratory, Inc. Reproduction except in full, without the written consent of A.A.R. Testing Laboratory is strictly forbidden.

Field/Material Report

Report #: 084627

**A.A.R. Testing Laboratory, Inc. 7126 180th Ave.N.E., Park 180, Suite C101, Redmond, WA 98052
Phone 425.881.5812 Fax 425.881.5441**

Client Name: DGR Development, Inc.	Project Number: 15-347
Contact: Michael Roland	Permit #: Not available
Client Address: 7931 233rd Place S.E. Woodinville, WA 98072	Project Name: Alex Lane
	Address: 12643 N.E. 70th St.
Date: 5/26/2015	

Supplier: CalPortland	Air Temperature: 68 F	
Material Data: Concrete	Concrete Temperature: 74 F	ASTM C 1064
Plant Number: 260	Air Content: %	ASTM C 231
Mix Number: 61944	Slump: 5 "	ASTM C 143
Truck Number: 7347	Time Sampled: 2:00:00 PM	
Ticket Number: 1154049	Added Water: 10	ByWhom: Contractor
Number of Samples: 5	Air Entrainment (oz/yard):	
Yards placed: 60/80	Admixtures (oz/yard):	
Design Strength: 3000		

Inspection Performed: Reinforced Concrete

Location: Vault - slab on grade

Grid Lines:

Remarks: Concrete placed by pump at above location. Resteel in place per detail. Mechanically consolidated.

Conforming to approved plans **Inspector:** Blisserd, Jonathan (JD) **2nd Inspector:**
3rd Inspector:

Samples Tested in Accordance with ASTM: C 1231 C 31 C 172 C 39

Sample ID	Test Date	Age	Size	Area	Set #	Total Load	PSI	Method	Fracture Type
1505248	6/2/2015	7	4 X 8	12.56	1/1	52020	4140	C 1231	Cone
1505249	6/23/2015	28	4 X 8	12.63	1/1	79310	6280	C 1231	Cone
1505250	6/23/2015	28	4 X 8	12.63	1/1	75930	6010	C 1231	Cone
1505251	6/23/2015	28	4 X 8	12.63	1/1	72010	5700	C 1231	Cone

Distribution: Client Contractor Owner **Date Mailed:**
 Municipality Engineer Architect **Tested By:** Mike Jarbeau
 Distribute Other **Reviewed:** Mike Blackwell

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Field/Material Report

Report #: 084868

A.A.R. Testing Laboratory, Inc. 7126 180th Ave.N.E., Park 180, Suite C101, Redmond, WA 98052
Phone 425.881.5812 Fax 425.881.5441

Client Name: DGR Development, Inc.

Project Number: 15-347

Contact: Michael Roland

Permit # BNR 15-00957

Client Address: 7931 233rd Place S.E.
Woodinville, WA 98072

Project Name: Alex Lane
Address: 12643 N.E. 70th St.

Date: 6/4/2015

Supplier: CalPortland Air Temperature: 63 F
Material Data: Concrete Concrete Temperature: 72 F ASTM C 1064
Plant Number: 291 Air Content: % ASTM C 231
Mix Number: 61944 Slump: 4 1/2 " ASTM C 143
Truck Number: 306 Time Sampled: 11:35:00 AM
Ticket Number: 1160992 Added Water: 10 ByWhom: Contractor
Number of Samples: 5 Air Entrainment (oz/yd):
Yards placed: 20/70 Admixtures (oz/yd):
Design Strength: 3000

Inspection Performed: Reinforced Concrete

Location: Detention vault slab - West half and center wall (North to South)

Grid Lines:

Remarks: Concrete placed via pump and mechanically consolidated.

Conforming to approved plans Inspector: Chandler, Loren

2nd Inspector:

3rd Inspector:

Samples Tested in Accordance with ASTM: C 1231 C 31 C 172 C 39

Sample ID	Test Date	Age	Size	Area	Set #	Total Load	PSI	Method	Fracture Type
1505714	6/11/2015	7	4 X 8	12.56	1/1	52000	4140	C 1231	Cone
1505715	7/2/2015	28	4 X 8	12.56	1/1	71760	5710	C 1231	Cone
1505716	7/2/2015	28	4 X 8	12.56	1/1	74570	5940	C 1231	Cone
1505717	7/2/2015	28	4 X 8	12.56	1/1	74980	5970	C 1231	Cone

Distribution:

Client

Contractor

Owner

Date Mailed:

Municipality

Engineer

Architect

Tested By: Mike Jarbeau

Distribute Other

Reviewed: Mike Blackwell

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Field Report

Report #: 62786

A.A.R. Testing Laboratory, Inc. 7126 180th Ave.N.E., Park 180, Suite C101, Redmond, WA 98052
Phone 425.881.5812 Fax 425.881.5441

Client: DGR Development, Inc.
7931 233rd Place S.E.
Woodinville, WA 98072

Project Number: 15-347
Permit #: BNR 15-00957
Project Name: Alexa Lane

Contact: Michael Roland

Address: 12643 N.E. 70th St.

Inspection Performed: Resteel

Date: 7/7/2015

Time:

Temperature:

On site to inspect the reinforcement for the vault lid. Verified reinforcement size, grade, spacing, lap splice and clearances. Reinforcement was per plans and specifications.

Distribution:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Distribute Client | <input checked="" type="checkbox"/> Distribute Contractor |
| <input type="checkbox"/> Distribute Engineer | <input type="checkbox"/> Distribute Owner |
| <input checked="" type="checkbox"/> Distribute Municipality | <input type="checkbox"/> Distribute Other |
| <input type="checkbox"/> Distribute Architect | <input type="checkbox"/> Distribute Other |

Inspector: Horton, Tim

Reviewed by: Michele Guerrini

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Field/Material Report

Report #: 081721

**A.A.R. Testing Laboratory, Inc. 7126 180th Ave.N.E., Park 180, Suite C101, Redmond, WA 98052
Phone 425.881.5812 Fax 425.881.5441**

Client Name: DGR Development, Inc.	Project Number: 15-347
Contact: Michael Roland	Permit #: BNR 15-00957
Client Address: 7931 233rd Place S.E. Woodinville, WA 98072	Project Name: Alexa Lane
	Address: 12643 N.E. 70th St.
Date: 7/8/2015	

Supplier: CalPortland	Air Temperature: 75 F	
Material Data: Grout	Concrete Temperature: 80 F	ASTM C 1064
Plant Number: 260	Air Content: %	ASTM C 231
Mix Number: 3c28	Slump: 6 "	ASTM C 143
Truck Number: 7676	Time Sampled: 11:30:00 AM	
Ticket Number: 1181668	Added Water: 10	ByWhom: Contractor
Number of Samples: 5	Air Entrainment (oz/yard):	
Yards placed: 5	Admixtures (oz/yard): WRDA	26
Design Strength: 3000	ADVA	20

Inspection Performed: Grout

Location: Water detention vault - closure pour; top of walls, plank voids, slabs at manholes and raised walls

Grid Lines:

Remarks: Resteel inspected on 7-7-2015, see report #62786. Grout was placed in plank joints only.

Conforming to approved plans **Inspector:** Panov, Krasimir **2nd Inspector:**
3rd Inspector:

Samples Tested in Accordance with ASTM: C 617 C 31 C 172 C 39

Sample ID	Test Date	Age	Size	Area	Set #	Total Load	PSI	Method	Fracture Type
1507299	7/15/2015	7	2 X 4	3.14	1/2	15070	4800	C 617	Shear

Distribution: Client Contractor Owner **Date Mailed:**
 Municipality Engineer Architect **Tested By:** Mike Jarbeau
 Distribute Other **Reviewed:** Mike Blackwell

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Field/Material Report

Report #: 084840

**A.A.R. Testing Laboratory, Inc. 7126 180th Ave.N.E., Park 180, Suite C101, Redmond, WA 98052
Phone 425.881.5812 Fax 425.881.5441**

Client Name: DGR Development, Inc.
Contact: Michael Roland
Client Address: 7931 233rd Place S.E.
Woodinville, WA 98072

Project Number: 15-347
Permit # BNR 15-00957
Project Name: Alexa Lane
Address: 12643 N.E. 70th St.

Date: 7/8/2015

Supplier:	CalPortland	Air Temperature:	75 F
Material Data:	Concrete	Concrete Temperature:	80 F ASTM C 1064
Plant Number:	260	Air Content:	% ASTM C 231
Mix Number:	61946	Slump:	5 " ASTM C 143
Truck Number:	7202	Time Sampled:	12:10:00 PM
Ticket Number:	1181747	Added Water:	20 ByWhom: Contractor
Number of Samples:	5	Air Entrainment (oz/yard):	
Yards placed:	40	Admixtures (oz/yard) :	WRDA 14
Design Strength:	4000		

Inspection Performed: Concrete

Location: Water detention vault - closure pour; top of walls, plank voids, slabs at manholes and raised walls

Grid Lines:

Remarks: Concrete was placed by boom pump in top of walls, plank voids, slabs at manholes, beams and wall risers. Consolidated using vibrator.

Conforming to approved plans **Inspector:** Panov, Krasimir **2nd Inspector:**
3rd Inspector:

Samples Tested in Accordance with ASTM: C 1231 C 31 C 172 C 39

Sample ID	Test Date	Age	Size	Area	Set #	Total Load	PSI	Method	Fracture Type
1507289	7/14/2015	6	4 X 8	12.56	2/2	40090	3190	C 1231	Cone

Distribution: Client Contractor Owner **Date Mailed:**
 Municipality Engineer Architect **Tested By:** J. Hoover
 Distribute Other **Reviewed:** Mike Blackwell

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Field/Material Report

Report #: 081755

**A.A.R. Testing Laboratory, Inc. 7126 180th Ave.N.E., Park 180, Suite C101, Redmond, WA 98052
Phone 425.881.5812 Fax 425.881.5441**

Client Name: DGR Development, Inc.	Project Number: 15-347
Contact: Michael Roland	Permit #: BNR 15-00957
Client Address: 7931 233rd Place S.E. Woodinville, WA 98072	Project Name: Alexa Lane Address: 12643 N.E. 70th St.
Date: 6/17/2015	

Supplier: CalPortland	Air Temperature: 67 F	
Material Data: Concrete	Concrete Temperature: 78 F	ASTM C 1064
Plant Number: 282	Air Content: %	ASTM C 231
Mix Number: 61946	Slump: 5 "	ASTM C 143
Truck Number: 7618	Time Sampled: 8:10:00 AM	
Ticket Number: 1168482	Added Water: 40	ByWhom: QC
Number of Samples: 5	Air Entrainment (oz/yard):	
Yards placed: 40/150	Admixtures (oz/yard) : WRDA	18
Design Strength: 4000		

Inspection Performed: Reinforced Concrete

Location: Detention vault - Cells 1 and 2 walls

Grid Lines:

Remarks: Resteel inspected prior to placement as per report 060284 dated 6-9-2015 and 63680 dated 6-10-2015, verified clearance conformance. CalPortland approved mix 61946 was placed via boom pump and was mechanically consolidated in accordance with approved contract documentation.

Conforming to approved plans **Inspector:** Gabrys, Jorden **2nd Inspector:**
3rd Inspector:

Samples Tested in Accordance with ASTM: C 1231 C 31 C 172 C 39

Sample ID	Test Date	Age	Size	Area	Set #	Total Load	PSI	Method	Fracture Type
1506360	6/24/2015	7	4 X 8	12.56	1/1	49780	3960	C 1231	Cone
1506362	7/15/2015	28	4 X 8	12.56	1/1	66270	5280	C 1231	Cone
1506363	7/15/2015	28	4 X 8	12.56	1/1	69580	5540	C 1231	Cone Split

Distribution: Client Contractor Owner **Date Mailed:**
 Municipality Engineer Architect **Tested By:** Mike Jarbeau
 Distribute Other **Reviewed:** Mike Blackwell

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Field/Material Report

Report #: 084840

**A.A.R. Testing Laboratory, Inc. 7126 180th Ave.N.E., Park 180, Suite C101, Redmond, WA 98052
Phone 425.881.5812 Fax 425.881.5441**

Client Name: DGR Development, Inc.
Contact: Michael Roland
Client Address: 7931 233rd Place S.E.
Woodinville, WA 98072

Project Number: 15-347
Permit # BNR 15-00957
Project Name: Alexa Lane
Address: 12643 N.E. 70th St.

Date: 7/8/2015

Supplier:	CalPortland	Air Temperature:	75 F
Material Data:	Concrete	Concrete Temperature:	80 F ASTM C 1064
Plant Number:	260	Air Content:	% ASTM C 231
Mix Number:	61946	Slump:	5 " ASTM C 143
Truck Number:	7202	Time Sampled:	12:10:00 PM
Ticket Number:	1181747	Added Water:	20 ByWhom: Contractor
Number of Samples:	5	Air Entrainment (oz/yard):	
Yards placed:	40	Admixtures (oz/yard):	WRDA 14
Design Strength:	4000		

Inspection Performed: Concrete

Location: Water detention vault - closure pour; top of walls, plank voids, slabs at manholes and raised walls

Grid Lines:

Remarks: Concrete was placed by boom pump in top of walls, plank voids, slabs at manholes, beams and wall risers. Consolidated using vibrator.

Conforming to approved plans **Inspector:** Panov, Krasimir

2nd Inspector:

3rd Inspector:

Samples Tested in Accordance with ASTM: C 1231 C 31 C 172 C 39

Sample ID	Test Date	Age	Size	Area	Set #	Total Load	PSI	Method	Fracture Type
1507289	7/14/2015	6	4 X 8	12.56	2/2	40090	3190	C 1231	Cone
1507290	8/5/2015	28	4 X 8	12.56	2/2	66220	5270	C 1231	Cone
1507291	8/5/2015	28	4 X 8	12.56	2/2	62750	5000	C 1231	Cone Split
1507292	8/5/2015	28	4 X 8	12.56	2/2	64810	5160	C 1231	Cone

Distribution:

<input checked="" type="checkbox"/> Client	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Owner
<input checked="" type="checkbox"/> Municipality	<input type="checkbox"/> Engineer	<input type="checkbox"/> Architect
<input type="checkbox"/> Distribute Other		

Date Mailed:
Tested By: Mike Jarbeau
Reviewed: Mike Blackwell

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Field/Material Report

Report #: 081721

**A.A.R. Testing Laboratory, Inc. 7126 180th Ave.N.E., Park 180, Suite C101, Redmond, WA 98052
Phone 425.881.5812 Fax 425.881.5441**

Client Name: DGR Development, Inc.
Contact: Michael Roland
Client Address: 7931 233rd Place S.E.
Woodinville, WA 98072

Project Number: 15-347
Permit # BNR 15-00957
Project Name: Alexa Lane
Address: 12643 N.E. 70th St.

Date: 7/8/2015

Supplier:	CalPortland	Air Temperature:	75 F
Material Data:	Grout	Concrete Temperature:	80 F ASTM C 1064
Plant Number:	260	Air Content:	% ASTM C 231
Mix Number:	3c28	Slump:	6 " ASTM C 143
Truck Number:	7676	Time Sampled:	11:30:00 AM
Ticket Number:	1181668	Added Water:	10 ByWhom: Contractor
Number of Samples:	5	Air Entrainment (oz/yard):	
Yards placed:	5	Admixtures (oz/yard) :	WRDA 26
Design Strength:	3000		ADVA 20

Inspection Performed: Grout

Location: Water detention vault - closure pour; top of walls, plank voids, slabs at manholes and raised walls

Grid Lines:

Remarks: Resteeel inspected on 7-7-2015, see report #62786. Grout was placed in plank joints only.

Conforming to approved plans

Inspector: Panov, Krasimir

2nd Inspector:

3rd Inspector:

Samples Tested in Accordance with ASTM: C 617 C 31 C 172 C 39

Sample ID	Test Date	Age	Size	Area	Set #	Total Load	PSI	Method	Fracture Type
1507299	7/15/2015	7	2 X 4	3.14	1/2	15070	4800	C 617	Shear
1507300	8/5/2015	28	2 X 4	3.14	1/2	21500	6850	C 617	Shear
1507301	8/5/2015	28	2 X 4	3.14	1/2	20540	6540	C 617	Shear
1507302	8/5/2015	28	2 X 4	3.14	1/2	20600	6560	C 617	Shear

Distribution:

Client

Contractor

Owner

Date Mailed:

Municipality

Engineer

Architect

Tested By: Mike Jarbeau

Distribute Other

Reviewed: Mike Blackwell

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