

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 96**Placement Information:** Location: Grade beam at E.5-5Placement Date: 10/6/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDsRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 80Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 80Air Content (%): 6.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133965	7	10/7/2016	10/13/2016	D	4.00	12.57	53,060	4,220
133966	7	10/7/2016	10/13/2016	D	4.00	12.57	53,262	4,240
133967	28	10/7/2016	11/3/2016	D	4.00	12.57	64,620	5,140
133968	28	10/7/2016	11/3/2016	D	4.00	12.57	63,960	5,090
133969	28	10/7/2016	11/3/2016	D	4.00	12.57	64,180	5,110
133970	H	10/7/2016						
133971	H	10/7/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

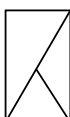
A:



B:



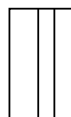
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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115 Branch Street

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133960	7	10/7/2016	10/13/2016	D	4.00	12.57	58,700	4,670
133961	7	10/7/2016	10/13/2016	D	4.00	12.57	53,420	4,250
133962	28	10/7/2016	11/3/2016	D	4.00	12.57	71,280	5,670
133963	28	10/7/2016	11/3/2016	D	4.00	12.57	69,400	5,520
133964	28	10/7/2016	11/3/2016	D	4.00	12.57	68,300	5,440

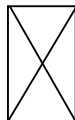
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

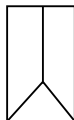
N/A - Not Applicable

Break Types:

A:



B:



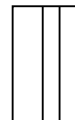
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

CC:

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133955	7	10/7/2016	10/13/2016	D	4.00	12.57	57,340	4,560
133956	7	10/7/2016	10/13/2016	D	4.00	12.57	61,780	4,920
133957	28	10/7/2016	11/3/2016	D	4.00	12.57	66,640	5,300
133958	28	10/7/2016	11/3/2016	D	4.00	12.57	68,460	5,450
133959	28	10/7/2016	11/3/2016	D	4.00	12.57	66,660	5,300

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

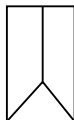
N/A - Not Applicable

Break Types:

A:



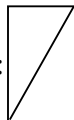
B:



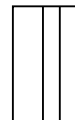
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134519	7	11/10/2016	11/16/2016	D	4.00	12.57	43,000	3,420
134520	7	11/10/2016	11/16/2016	D	4.00	12.57	41,560	3,310
134521	28	11/10/2016	12/7/2016					
134522	28	11/10/2016	12/7/2016					
134523	28	11/10/2016	12/7/2016					

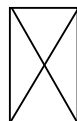
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

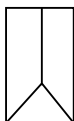
N/A - Not Applicable

Break Types:

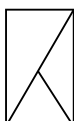
A:



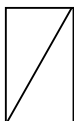
B:



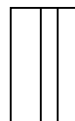
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134524	7	11/10/2016	11/16/2016	D	4.00	12.57	48,460	3,860
134525	7	11/10/2016	11/16/2016	D	4.00	12.57	46,880	3,730
134526	28	11/10/2016	12/7/2016					
134527	28	11/10/2016	12/7/2016					
134528	28	11/10/2016	12/7/2016					

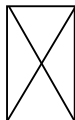
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

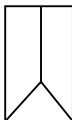
N/A - Not Applicable

Break Types:

A:



B:



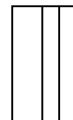
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134529	7	11/10/2016	11/16/2016	D	4.00	12.57	47,320	3,770
134530	7	11/10/2016	11/16/2016	D	4.00	12.57	50,760	4,040
134531	28	11/10/2016	12/7/2016					
134532	28	11/10/2016	12/7/2016					
134533	28	11/10/2016	12/7/2016					

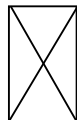
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

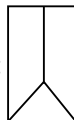
N/A - Not Applicable

Break Types:

A:



B:



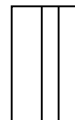
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

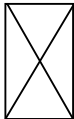
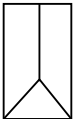
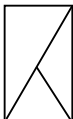
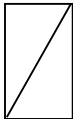
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134077	7	10/12/2016	10/18/2016	D	4.00	12.57	47,390	3,770
134078	7	10/12/2016	10/18/2016	D	4.00	12.57	53,925	4,290
134079	28	10/12/2016	11/8/2016	D	4.00	12.57	58,940	4,690
134080	28	10/12/2016	11/8/2016	D	4.00	12.57	61,380	4,880
134081	28	10/12/2016	11/8/2016	D	4.00	12.57	63,640	5,060

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

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cc: _____

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

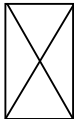
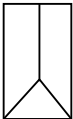
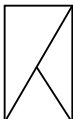
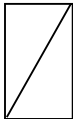
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134077	7	10/12/2016	10/18/2016	D	4.00	12.57	47,390	3,770
134078	7	10/12/2016	10/18/2016	D	4.00	12.57	53,925	4,290
134079	28	10/12/2016	11/8/2016	D	4.00	12.57	58,940	4,690
134080	28	10/12/2016	11/8/2016	D	4.00	12.57	61,380	4,880
134081	28	10/12/2016	11/8/2016	D	4.00	12.57	63,640	5,060

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

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Client: Geotechnology, Inc. Att: Mr. Tom Coleman
Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
Project Location: St. Louis, MO CDG Report No.: 92

Placement Information: Location: Slab on grade, level 1, at A.3-1.7

Placement Date:	<u>10/25/2016</u>	Quantity Placed (yd. ³):	<u>10</u>
Mix Design Number:	<u>C142C</u>	Design Strength (psi):	<u>4000</u> @ 28-Days
Concrete Temp. (F°):	<u>65</u>	Slump1(in.):	<u>8.00</u> Slump2 (in.): <u>N/A</u>
Ambient Air Temp. (F°):	<u>45</u>	Air Content (%):	<u>1.2</u>
Supplier:	<u>Kienstra</u>	Cast By:	<u>Mark Arnold</u>

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

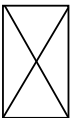
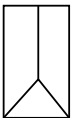
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134247	7	10/26/2016	11/1/2016	D	4.00	12.57	52,740	4,200
134248	7	10/26/2016	11/1/2016	D	4.00	12.57	48,720	3,880
134249	28	10/26/2016	11/22/2016	D	4.00	12.57	68,940	5,490
134250	28	10/26/2016	11/22/2016	D	4.00	12.57	75,440	6,000
134251	28	10/26/2016	11/22/2016	D	4.00	12.57	72,040	5,730

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.
1204 Washington Ave suite 405
St. Louis, MO 63103
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esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
Project Location: St. Louis, MO CDG Report No.: 92

Placement Information: Location: Slab on grade, level 1, at A.3-1.7

Placement Date:	<u>10/25/2016</u>	Quantity Placed (yd. ³):	<u>10</u>
Mix Design Number:	<u>C142C</u>	Design Strength (psi):	<u>4000</u> @ 28-Days
Concrete Temp. (F°):	<u>65</u>	Slump1(in.):	<u>8.00</u> Slump2 (in.): <u>N/A</u>
Ambient Air Temp. (F°):	<u>45</u>	Air Content (%):	<u>1.2</u>
Supplier:	<u>Kienstra</u>	Cast By:	<u>0</u>

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

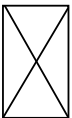
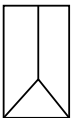
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134247	7	10/26/2016	11/1/2016	D	4.00	12.57	52,740	4,200
134248	7	10/26/2016	11/1/2016	D	4.00	12.57	48,720	3,880
134249	28	10/26/2016	11/22/2016					
134250	28	10/26/2016	11/22/2016					
134251	28	10/26/2016	11/22/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 93**Placement Information:** Location: Slab on grade, level 1, at B.4-1.8Placement Date: 10/25/2016Quantity Placed (yd.³): 50Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 67Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 50Air Content (%): 1.3Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134252	7	10/26/2016	11/1/2016	D	4.00	12.57	44,460	3,540
134253	7	10/26/2016	11/1/2016	D	4.00	12.57	43,640	3,470
134254	28	10/26/2016	11/22/2016	D	4.00	12.57	64,160	5,110
134255	28	10/26/2016	11/22/2016	D	4.00	12.57	64,560	5,140
134256	28	10/26/2016	11/22/2016	D	4.00	12.57	67,300	5,360

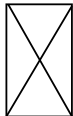
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

A:



B:



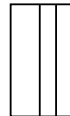
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 93**Placement Information:** Location: Slab on grade, level 1, at B.4-1.8Placement Date: 10/25/2016Quantity Placed (yd.³): 50Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 67Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 50Air Content (%): 1.3Supplier: KienstraCast By: 0**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134252	7	10/26/2016	11/1/2016	D	4.00	12.57	44,460	3,540
134253	7	10/26/2016	11/1/2016	D	4.00	12.57	43,640	3,470
134254	28	10/26/2016	11/22/2016					
134255	28	10/26/2016	11/22/2016					
134256	28	10/26/2016	11/22/2016					

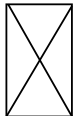
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

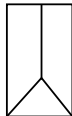
N/A - Not Applicable

Break Types:

A:



B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 94**Placement Information:** Location: Slab on grade, level 1, at B.3Placement Date: 10/25/2016Quantity Placed (yd.³): 100Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 76Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 59Air Content (%): 1.2Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134257	7	10/26/2016	11/1/2016	D	4.00	12.57	46,280	3,680
134258	7	10/26/2016	11/1/2016	D	4.00	12.57	46,320	3,690
134259	28	10/26/2016	11/22/2016	D	4.00	12.57	64,420	5,130
134260	28	10/26/2016	11/22/2016	D	4.00	12.57	70,080	5,580
134261	28	10/26/2016	11/22/2016	D	4.00	12.57	65,000	5,170

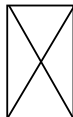
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

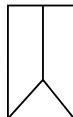
N/A - Not Applicable

Break Types:

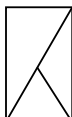
A:



B:



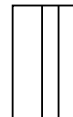
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

CC:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc.

Att: Mr. Tom Coleman

Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building

CDG Project No.: 13250

Project Location: St. Louis, MO

CDG Report No.: 94

Placement Information: Location: Slab on grade, level 1, at B.3

Placement Date: 10/25/2016

Quantity Placed (yd.³): 100

Mix Design Number: C142C

Design Strength (psi): 4000 @ 28-Days

Concrete Temp. (F°): 76

Slump1(in.): 8.00 Slump2 (in.): N/A

Ambient Air Temp. (F°): 59

Air Content (%): 1.2

Supplier: Kienstra

Cast By: 0

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

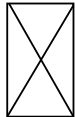
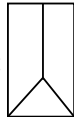
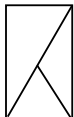
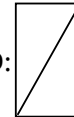
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134257	7	10/26/2016	11/1/2016	D	4.00	12.57	46,280	3,680
134258	7	10/26/2016	11/1/2016	D	4.00	12.57	46,320	3,690
134259	28	10/26/2016	11/22/2016					
134260	28	10/26/2016	11/22/2016					
134261	28	10/26/2016	11/22/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

CC: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 95**Placement Information:** Location: Slab on grade, level 1, at B-4Placement Date: 10/25/2016Quantity Placed (yd.³): 140Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 75Slump1(in.): 9.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 64Air Content (%): 1.5Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

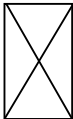
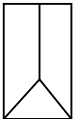
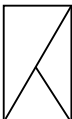
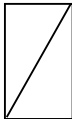
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134262	7	10/26/2016	11/1/2016	D	4.00	12.57	36,076	2,870
134263	7	10/26/2016	11/1/2016	D	4.00	12.57	36,580	2,910
134264	28	10/26/2016	11/22/2016	D	4.00	12.57	55,280	4,400
134265	28	10/26/2016	11/22/2016	D	4.00	12.57	54,200	4,310
134266	28	10/26/2016	11/22/2016	D	4.00	12.57	52,660	4,190

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 95**Placement Information:** Location: Slab on grade, level 1, at B-4Placement Date: 10/25/2016Quantity Placed (yd.³): 140Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 75Slump1(in.): 9.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 64Air Content (%): 1.5Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

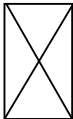
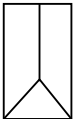
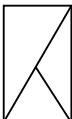
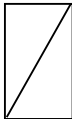
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134262	7	10/26/2016	11/1/2016	D	4.00	12.57	36,076	2,870
134263	7	10/26/2016	11/1/2016	D	4.00	12.57	36,580	2,910
134264	28	10/26/2016	11/22/2016					
134265	28	10/26/2016	11/22/2016					
134266	28	10/26/2016	11/22/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 99**Placement Information:** Location: Wall, level 1, at E.5-5, 0-5'Placement Date: 10/28/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 66Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 64Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

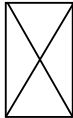
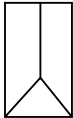
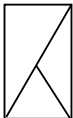
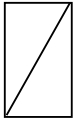
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134340	7	10/29/2016	11/4/2016	D	4.00	12.57	43,040	3,430
134341	7	10/29/2016	11/4/2016	D	4.00	12.57	42,020	3,340
134342	28	10/29/2016	11/25/2016	D	4.00	12.57	54,640	4,350
134343	28	10/29/2016	11/25/2016	D	4.00	12.57	55,020	4,380
134344	28	10/29/2016	11/25/2016	D	4.00	12.57	52,880	4,210

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 99**Placement Information:** Location: Wall, level 1, at E.5-5, 0-5'Placement Date: 10/28/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 66Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 64Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

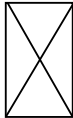
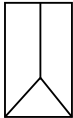
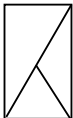
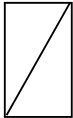
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134340	7	10/29/2016	11/4/2016	D	4.00	12.57	43,040	3,430
134341	7	10/29/2016	11/4/2016	D	4.00	12.57	42,020	3,340
134342	28	10/29/2016	11/25/2016					
134343	28	10/29/2016	11/25/2016					
134344	28	10/29/2016	11/25/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 100**Placement Information:** Location: Wall, level 1, F.5-5, 0-5'Placement Date: 10/28/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 67Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 65Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134345	7	10/29/2016	11/4/2016	D	4.00	12.57	52,200	4,150
134346	7	10/29/2016	11/4/2016	D	4.00	12.57	51,780	4,120
134347	28	10/29/2016	11/25/2016	D	4.00	12.57	67,600	5,380
134348	28	10/29/2016	11/25/2016	D	4.00	12.57	64,940	5,170
134349	28	10/29/2016	11/25/2016	D	4.00	12.57	65,080	5,180

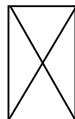
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

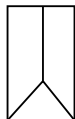
N/A - Not Applicable

Break Types:

A:



B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

CC:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 100**Placement Information:** Location: Wall, level 1, F.5-5, 0-5'Placement Date: 10/28/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 67Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 65Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134345	7	10/29/2016	11/4/2016	D	4.00	12.57	52,200	4,150
134346	7	10/29/2016	11/4/2016	D	4.00	12.57	51,780	4,120
134347	28	10/29/2016	11/25/2016					
134348	28	10/29/2016	11/25/2016					
134349	28	10/29/2016	11/25/2016					

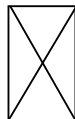
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

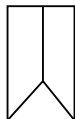
N/A - Not Applicable

Break Types:

A:



B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 101**Placement Information:** Location: Wall, level 1, F-5, 7-10'Placement Date: 10/28/2016Quantity Placed (yd.³): 80Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 72Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 72Air Content (%): 6.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134350	7	10/29/2016	11/4/2016	D	4.00	12.57	55,600	4,420
134351	7	10/29/2016	11/4/2016	D	4.00	12.57	55,060	4,380
134352	28	10/29/2016	11/25/2016	D	4.00	12.57	68,860	5,480
134353	28	10/29/2016	11/25/2016	D	4.00	12.57	68,240	5,430
134354	28	10/29/2016	11/25/2016	D	4.00	12.57	65,620	5,220

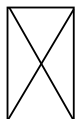
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

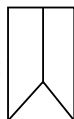
N/A - Not Applicable

Break Types:

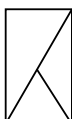
A:



B:



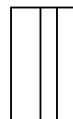
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 101**Placement Information:** Location: Wall, level 1, F-5, 7-10'Placement Date: 10/28/2016Quantity Placed (yd.³): 80Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 72Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 72Air Content (%): 6.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134350	7	10/29/2016	11/4/2016	D	4.00	12.57	55,600	4,420
134351	7	10/29/2016	11/4/2016	D	4.00	12.57	55,060	4,380
134352	28	10/29/2016	11/25/2016					
134353	28	10/29/2016	11/25/2016					
134354	28	10/29/2016	11/25/2016					

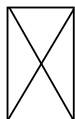
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

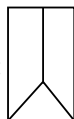
N/A - Not Applicable

Break Types:

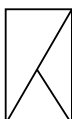
A:



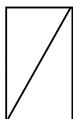
B:



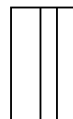
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.
 1204 Washington Ave suite 405
 St. Louis, MO 63103
 O 314.241.9072 ·

esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146
 Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 102

Placement Information: Location: Wall, level 1, F-8.1, 8-10
 Placement Date: 10/28/2016 Quantity Placed (yd.³): 120
 Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 74 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 75 Air Content (%): 6.1
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

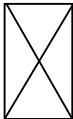
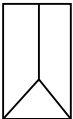
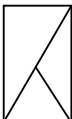
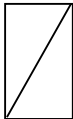
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134355	7	10/29/2016	11/4/2016	D	4.00	12.57	47,900	3,810
134356	7	10/29/2016	11/4/2016	D	4.00	12.57	52,160	4,150
134357	28	10/29/2016	11/25/2016	D	4.00	12.57	63,480	5,050
134358	28	10/29/2016	11/25/2016	D	4.00	12.57	63,690	5,070
134359	28	10/29/2016	11/25/2016	D	4.00	12.57	63,880	5,080

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 103**Placement Information:** Location: Slab on grade, level 2, at 4-CPlacement Date: 10/31/2016Quantity Placed (yd.³): 10Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 69Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 55Air Content (%): 1.2Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

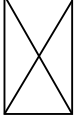
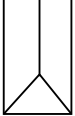
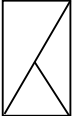
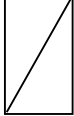
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134372	7	11/1/2016	11/7/2016	D	4.00	12.57	43,340	3,450
134373	7	11/1/2016	11/7/2016	D	4.00	12.57	45,880	3,650
134374	28	11/1/2016	11/28/2016	D	4.00	12.57	64,020	5,090
134375	28	11/1/2016	11/28/2016	D	4.00	12.57	61,920	4,930
134376	28	11/1/2016	11/28/2016	D	4.00	12.57	65,080	5,180

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 103**Placement Information:** Location: Slab on grade, level 2, at 4-CPlacement Date: 10/31/2016Quantity Placed (yd.³): 10Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 69Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 55Air Content (%): 1.2Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

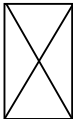
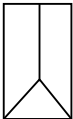
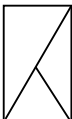
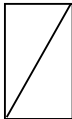
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134372	7	11/1/2016	11/7/2016	D	4.00	12.57	43,340	3,450
134373	7	11/1/2016	11/7/2016	D	4.00	12.57	45,880	3,650
134374	28	11/1/2016	11/28/2016					
134375	28	11/1/2016	11/28/2016					
134376	28	11/1/2016	11/28/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

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 O 314.241.9072 ·

esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 104

Placement Information: Location: Slab on grade, level 2, at A.5-2.6
 Placement Date: 10/31/2016 Quantity Placed (yd.³): 50
 Mix Design Number: C142C Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 69 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 62 Air Content (%): 1.1
 Supplier: Kienstra Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134377	7	11/1/2016	11/7/2016	D	4.00	12.57	34,460	2,740
134378	7	11/1/2016	11/7/2016	D	4.00	12.57	34,800	2,770
134379	28	11/1/2016	11/28/2016	D	4.00	12.57	50,210	4,000
134380	28	11/1/2016	11/28/2016	D	4.00	12.57	54,400	4,330
134381	28	11/1/2016	11/28/2016	D	4.00	12.57	52,020	4,140

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A: B: C: D: E:

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.
1204 Washington Ave suite 405
St. Louis, MO 63103
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esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
Project Location: St. Louis, MO CDG Report No.: 104

Placement Information: Location: Slab on grade, level 2, at A.5-2.6
Placement Date: 10/31/2016 Quantity Placed (yd.³): 50
Mix Design Number: C142C Design Strength (psi): 4000 @ 28-Days
Concrete Temp. (F°): 69 Slump1(in.): 7.00 Slump2 (in.): N/A
Ambient Air Temp. (F°): 62 Air Content (%): 1.1
Supplier: Kienstra Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

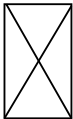
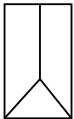
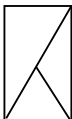
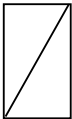
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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134378	7	11/1/2016	11/7/2016	D	4.00	12.57	34,800	2,770
134379	28	11/1/2016	11/28/2016					
134380	28	11/1/2016	11/28/2016					
134381	28	11/1/2016	11/28/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 105**Placement Information:** Location: Slab on grade, level 2, at A.5-1.9Placement Date: 10/31/2016Quantity Placed (yd.³): 110Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 69Slump1(in.): 6.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 70Air Content (%): 1.2Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

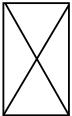
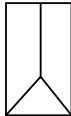
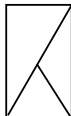
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134382	7	11/1/2016	11/7/2016	D	4.00	12.57	42,980	3,420
134383	7	11/1/2016	11/7/2016	D	4.00	12.57	41,660	3,320
134384	28	11/1/2016	11/28/2016	D	4.00	12.57	64,100	5,100
134385	28	11/1/2016	11/28/2016	D	4.00	12.57	61,100	4,860
134386	28	11/1/2016	11/28/2016	D	4.00	12.57	65,140	5,180

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

CC: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 105**Placement Information:** Location: Slab on grade, level 2, at A.5-1.9Placement Date: 10/31/2016Quantity Placed (yd.³): 110Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 69Slump1(in.): 6.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 70Air Content (%): 1.2Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

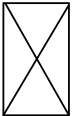
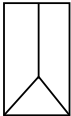
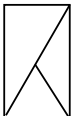
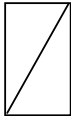
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134382	7	11/1/2016	11/7/2016	D	4.00	12.57	42,980	3,420
134383	7	11/1/2016	11/7/2016	D	4.00	12.57	41,660	3,320
134384	28	11/1/2016	11/28/2016					
134385	28	11/1/2016	11/28/2016					
134386	28	11/1/2016	11/28/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

CC: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 108

Placement Information: Location: Slab on deck, level 3 at C-5
 Placement Date: 11/3/2016 Quantity Placed (yd.³): 10
 Mix Design Number: C142C Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 71 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 66 Air Content (%): 1.2
 Supplier: Kienstra Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

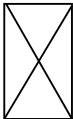
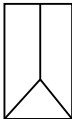
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134428	7	11/4/2016	11/10/2016	D	4.00	12.57	54,260	4,320
134429	7	11/4/2016	11/10/2016	D	4.00	12.57	52,820	4,200
134430	28	11/4/2016	12/1/2016					
134431	28	11/4/2016	12/1/2016					
134432	28	11/4/2016	12/1/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

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St. Louis, MO 63103
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esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
Project Location: St. Louis, MO CDG Report No.: 109

Placement Information: Location: Slab on deck, level 3 at B.3-5

Placement Date: 11/3/2016 Quantity Placed (yd.³): 40
Mix Design Number: C142C Design Strength (psi): 4000 @ 28-Days
Concrete Temp. (F°): 71 Slump1(in.): 6.50 Slump2 (in.): N/A
Ambient Air Temp. (F°): 66 Air Content (%): 1.3
Supplier: Kienstra Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134433	7	11/4/2016	11/10/2016	D	4.00	12.57	53,800	4,280
134434	7	11/4/2016	11/10/2016	D	4.00	12.57	51,240	4,080
134435	28	11/4/2016	12/1/2016					
134436	28	11/4/2016	12/1/2016					
134437	28	11/4/2016	12/1/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A: B: C: D: E:

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 110**Placement Information:** Location: Slab on deck, level 3 at A.2-2Placement Date: 11/3/2016Quantity Placed (yd.³): 120Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 71Slump1(in.): 5.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 66Air Content (%): 1.5Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

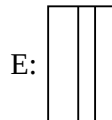
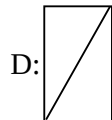
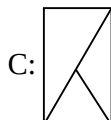
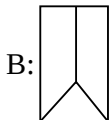
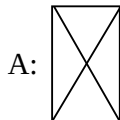
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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134439	7	11/4/2016	11/10/2016	D	4.00	12.57	49,100	3,910
134440	28	11/4/2016	12/1/2016					
134441	28	11/4/2016	12/1/2016					
134442	28	11/4/2016	12/1/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 111**Placement Information:** Location: Slab on deck, level 3 at A.4-1.7Placement Date: 11/3/2016Quantity Placed (yd.³): 160Mix Design Number: C142CDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 71Slump1(in.): 5.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 66Air Content (%): 1.6Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

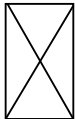
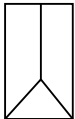
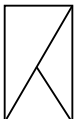
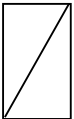
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134443	7	11/4/2016	11/10/2016	D	4.00	12.57	49,040	3,900
134444	7	11/4/2016	11/10/2016	D	4.00	12.57	51,360	4,090
134445	28	11/4/2016	12/1/2016					
134446	28	11/4/2016	12/1/2016					
134447	28	11/4/2016	12/1/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

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St. Louis, MO 63103
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esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146
Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
Project Location: St. Louis, MO CDG Report No.: 112

Placement Information: Location: Slab on deck, level 2 at W-3.5

Placement Date: 11/3/2016 Quantity Placed (yd.³): 200
Mix Design Number: C142C Design Strength (psi): 4000 @ 28-Days
Concrete Temp. (F°): 73 Slump1(in.): 7.00 Slump2 (in.): N/A
Ambient Air Temp. (F°): 66 Air Content (%): 1.9
Supplier: Kienstra Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

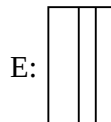
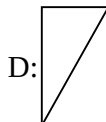
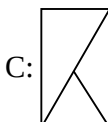
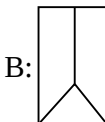
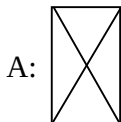
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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134449	7	11/4/2016	11/10/2016	D	4.00	12.57	44,160	3,510
134450	28	11/4/2016	12/1/2016					
134451	28	11/4/2016	12/1/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster ISB CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 1

Placement Information: Location: Piers V.4.6 & V-3

Placement Date: 5/24/2016 Quantity Placed (yd.³): 5.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 82 Slump1(in.): 5.25 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 81 Air Content (%): 3.2
 Supplier: Metro Cast By: David Sirois

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

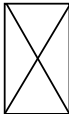
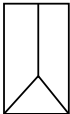
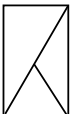
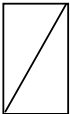
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132000	7	5/25/2016	5/31/2016	D	4.00	12.57	70,400	5,600
132001	14	5/25/2016	6/7/2016	D	4.00	12.57	76,800	6,110
132002	14	5/25/2016	6/7/2016	D	4.00	12.57	78,260	6,230
132003	28	5/25/2016	6/21/2016					
132004	28	5/25/2016	6/21/2016					
132005	28	5/25/2016	6/21/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: *BS*

City Design Group, Inc.

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster ISB CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 1

Placement Information: Location: Piers V.4.6 & V-3

Placement Date: 5/24/2016 Quantity Placed (yd.³): 5.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 82 Slump1(in.): 5.25 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 81 Air Content (%): 3.2
 Supplier: Metro Cast By: David Sirois

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

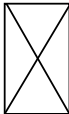
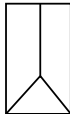
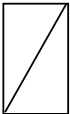
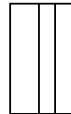
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132000	7	5/25/2016	5/31/2016	D	4.00	12.57	70,400	5,600
132001	14	5/25/2016	6/7/2016	D	4.00	12.57	76,800	6,110
132002	14	5/25/2016	6/7/2016	D	4.00	12.57	78,260	6,230
132003	28	5/25/2016	6/21/2016	D	4.00	12.57	88,120	7,010
132004	28	5/25/2016	6/21/2016	D	4.00	12.57	88,120	7,010
132005	28	5/25/2016	6/21/2016	D	4.00	12.57	90,800	7,230

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: *BS*

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster ISB CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 1

Placement Information: Location: Piers V.4.6 & V-3

Placement Date: 5/24/2016 Quantity Placed (yd.³): 5.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 82 Slump1(in.): 5.25 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 81 Air Content (%): 3.2
 Supplier: Metro Cast By: D. Sirois

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

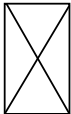
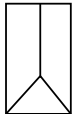
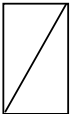
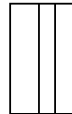
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132000	7	5/25/2016	5/31/2016	D	4.00	12.57	70,400	5,600
132001	28	5/25/2016	6/21/2016					
132002	28	5/25/2016	6/21/2016					
132003	28	5/25/2016	6/21/2016					
132004	H	5/25/2016						
132005	H	5/25/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: *BS*

City Design Group, Inc.

cc:

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St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 2**Placement Information:** Location: Piers Z-4.4;W-3Placement Date: 6/1/2016Quantity Placed (yd.³): 7.5Mix Design Number: 5000FNDNADesign Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 3.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 80Air Content (%): 2.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

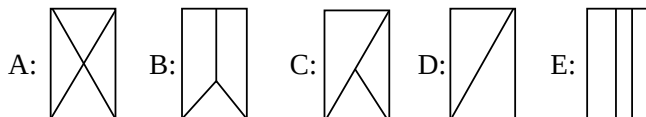
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132019	7	6/2/2016	6/8/2016	D	4.00	12.57	84,600	6,730
132020	14	6/2/2016	6/15/2016	D	4.00	12.57	88,800	7,070
132021	14	6/2/2016	6/15/2016	D	4.00	12.57	90,580	7,210
132022	28	6/2/2016	6/29/2016					
132023	28	6/2/2016	6/29/2016					
132024	28	6/2/2016	6/29/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

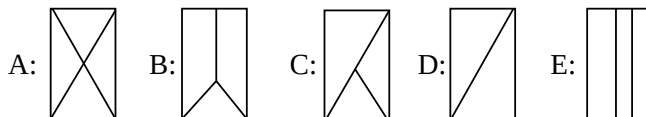
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132019	7	6/2/2016	6/8/2016	D	4.00	12.57	84,600	6,730
132020	14	6/2/2016	6/15/2016	D	4.00	12.57	88,800	7,070
132021	14	6/2/2016	6/15/2016	D	4.00	12.57	90,580	7,210
132022	28	6/2/2016	6/29/2016	D	4.00	12.57	100,720	8,020
132023	28	6/2/2016	6/29/2016	D	4.00	12.57	101,500	8,080
132024	28	6/2/2016	6/29/2016	D	4.00	12.57	99,540	7,920

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

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Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

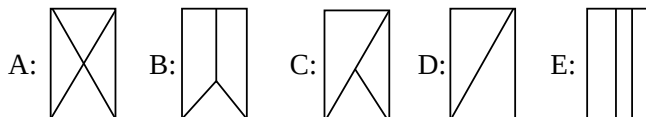
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132019	7	6/2/2016	6/8/2016	D	4.00	12.57	84,600	6,730
132020	14	6/2/2016	6/15/2016					
132021	14	6/2/2016	6/15/2016					
132022	28	6/2/2016	6/29/2016					
132023	28	6/2/2016	6/29/2016					
132024	28	6/2/2016	6/29/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 3

Placement Information: Location: Drilled Pier A-3

Placement Date: 6/2/2016 Quantity Placed (yd.³): 7.25
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 83 Slump1(in.): 5.25 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

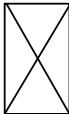
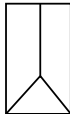
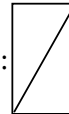
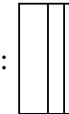
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132082	7	6/3/2016	6/9/2016	D	4.00	12.57	71,080	5,660
132083	14	6/3/2016	6/16/2016	D	4.00	12.57	74,280	5,910
132084	14	6/3/2016	6/16/2016	D	4.00	12.57	77,080	6,130
132085	28	6/3/2016	6/30/2016					
132086	28	6/3/2016	6/30/2016					
132087	28	6/3/2016	6/30/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 3

Placement Information: Location: Drilled Pier A-3

Placement Date: 6/2/2016 Quantity Placed (yd.³): 7.25
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 83 Slump1(in.): 5.25 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

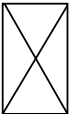
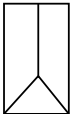
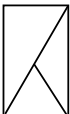
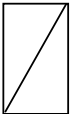
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132082	7	6/3/2016	6/9/2016	D	4.00	12.57	71,080	5,660
132083	14	6/3/2016	6/16/2016	D	4.00	12.57	74,280	5,910
132084	14	6/3/2016	6/16/2016	D	4.00	12.57	77,080	6,130
132085	28	6/3/2016	6/30/2016	D	4.00	12.57	92,200	7,340
132086	28	6/3/2016	6/30/2016	D	4.00	12.57	88,900	7,070
132087	28	6/3/2016	6/30/2016	D	4.00	12.57	85,320	6,790

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 3

Placement Information: Location: Drilled Pier A-3

Placement Date: 6/2/2016 Quantity Placed (yd.³): 7.25
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 83 Slump1(in.): 5.25 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

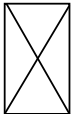
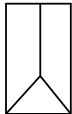
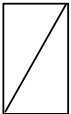
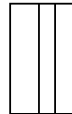
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132081	7	6/3/2016	6/9/2016	D	4.00	12.57	67,460	5,370
132082	7	6/3/2016	6/9/2016	D	4.00	12.57	71,080	5,660
132083	28	6/3/2016	6/30/2016					
132084	28	6/3/2016	6/30/2016					
132085	28	6/3/2016	6/30/2016					
132086	H	6/3/2016						
132087	H	6/3/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 4**Placement Information:** Location: Piers Y-3, W-4.5Placement Date: 6/3/2016Quantity Placed (yd.³): 8.75Mix Design Number: 50FNDSRDesign Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 83Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 73Air Content (%): 2.0Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

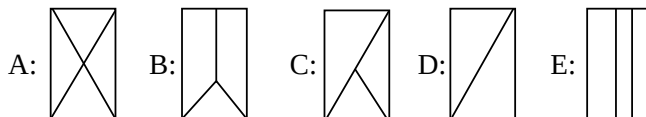
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132096	7	6/4/2016	6/10/2016	D	4.00	12.57	64,460	5,130
132097	14	6/4/2016	6/17/2016	D	4.00	12.57	70,080	5,580
132098	14	6/4/2016	6/17/2016	D	4.00	12.57	68,820	5,480
132099	28	6/4/2016	7/1/2016					
132100	28	6/4/2016	7/1/2016					
132101	28	6/4/2016	7/1/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc: _____

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 4

Placement Information: Location: Piers Y-3, W-4.5

Placement Date: 6/3/2016 Quantity Placed (yd.³): 8.75
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 83 Slump1(in.): 6.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 73 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

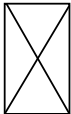
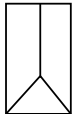
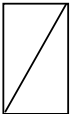
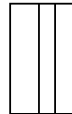
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132095	7	6/4/2016	6/10/2016	D	4.00	12.57	63,480	5,050
132096	7	6/4/2016	6/10/2016	D	4.00	12.57	64,460	5,130
132097	14	6/4/2016	6/17/2016	D	4.00	12.57	70,080	5,580
132098	14	6/4/2016	6/17/2016	D	4.00	12.57	68,820	5,480
132099	28	6/4/2016	7/1/2016	D	4.00	12.57	75,360	6,000
132100	28	6/4/2016	7/1/2016	D	4.00	12.57	78,100	6,220
132101	28	6/4/2016	7/1/2016	D	4.00	12.57	79,320	6,310

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 4

Placement Information: Location: Piers Y-3, W-4.5

Placement Date: 6/3/2016 Quantity Placed (yd.³): 8.75
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 83 Slump1(in.): 6.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 73 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

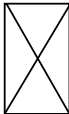
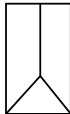
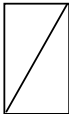
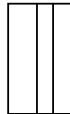
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132095	7	6/4/2016	6/10/2016	D	4.00	12.57	63,480	5,050
132096	7	6/4/2016	6/10/2016	D	4.00	12.57	64,460	5,130
132097	14	6/4/2016	6/17/2016					
132098	14	6/4/2016	6/17/2016					
132099	28	6/4/2016	7/1/2016					
132100	28	6/4/2016	7/1/2016					
132101	28	6/4/2016	7/1/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 5**Placement Information:** Location: Piers F.4-7.3Placement Date: 6/6/2016Quantity Placed (yd.³): 3Mix Design Number: 50FNDSRDesign Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 83Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 73Air Content (%): 1.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

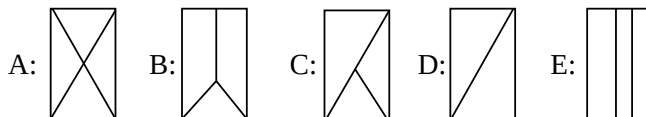
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132116	7	6/7/2016	6/13/2016	D	4.00	12.57	55,160	4,390
132117	7	6/7/2016	6/13/2016	D	4.00	12.57	53,920	4,290
132118	14	6/7/2016	6/20/2016	D	4.00	12.57	61,040	4,860
132119	14	6/7/2016	6/20/2016	D	4.00	12.57	58,940	4,690
132120	28	6/7/2016	7/4/2016					
132121	28	6/7/2016	7/4/2016					
132122	28	6/7/2016	7/4/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 5

Placement Information: Location: Piers F.4-7.3

Placement Date: 6/6/2016 Quantity Placed (yd.³): 3
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 83 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 73 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

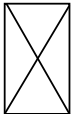
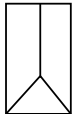
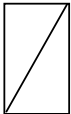
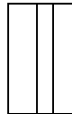
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132116	7	6/7/2016	6/13/2016	D	4.00	12.57	55,160	4,390
132117	7	6/7/2016	6/13/2016	D	4.00	12.57	53,920	4,290
132118	14	6/7/2016	6/20/2016	D	4.00	12.57	61,040	4,860
132119	14	6/7/2016	6/20/2016	D	4.00	12.57	58,940	4,690
132120	28	6/7/2016	7/4/2016	D	4.00	12.57	68,880	5,480
132121	28	6/7/2016	7/4/2016	D	4.00	12.57	70,520	5,610
132122	28	6/7/2016	7/4/2016	D	4.00	12.57	68,100	5,420

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

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St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 5**Placement Information:** Location: Piers F.4-7.3Placement Date: 6/6/2016Quantity Placed (yd.³): 3Mix Design Number: 50FNDSRDesign Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 83Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 73Air Content (%): 1.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

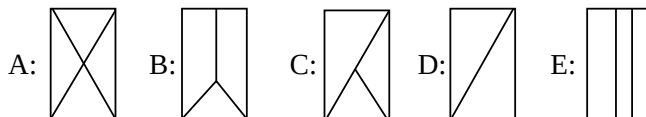
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132116	7	6/7/2016	6/13/2016	D	4.00	12.57	55,160	4,390
132117	7	6/7/2016	6/13/2016	D	4.00	12.57	53,920	4,290
132118	14	6/7/2016	6/20/2016					
132119	14	6/7/2016	6/20/2016					
132120	28	6/7/2016	7/4/2016					
132121	28	6/7/2016	7/4/2016					
132122	28	6/7/2016	7/4/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 6

Placement Information: Location: Piers F 5-6, F-6

Placement Date: 6/7/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 83 Slump1(in.): 5.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 76 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

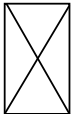
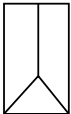
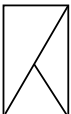
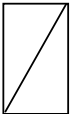
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132109	7	6/8/2016	6/14/2016	D	4.00	12.57	74,300	5,910
132110	7	6/8/2016	6/14/2016	D	4.00	12.57	77,860	6,200
132111	14	6/8/2016	6/21/2016	D	4.00	12.57	83,800	6,670
132112	14	6/8/2016	6/21/2016	D	4.00	12.57	79,920	6,360
132113	28	6/8/2016	7/5/2016					
132114	28	6/8/2016	7/5/2016					
132115	28	6/8/2016	7/5/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 6

Placement Information: Location: Piers F 5-6, F-6

Placement Date: 6/7/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 83 Slump1(in.): 5.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 76 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

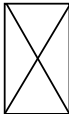
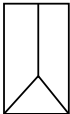
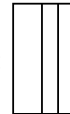
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132109	7	6/8/2016	6/14/2016	D	4.00	12.57	74,300	5,910
132110	7	6/8/2016	6/14/2016	D	4.00	12.57	77,860	6,200
132111	14	6/8/2016	6/21/2016	D	4.00	12.57	83,800	6,670
132112	14	6/8/2016	6/21/2016	D	4.00	12.57	79,920	6,360
132113	28	6/8/2016	7/5/2016	D	4.00	12.57	85,120	6,770
132114	28	6/8/2016	7/5/2016	D	4.00	12.57	87,920	7,000
132115	28	6/8/2016	7/5/2016	D	4.00	12.57	84,200	6,700

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405
 St. Louis, MO 63103
 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 6

Placement Information: Location: Piers F 5-6, F-6

Placement Date: 6/7/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 83 Slump1(in.): 5.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 76 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

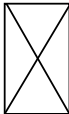
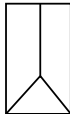
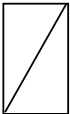
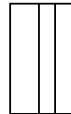
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132109	7	6/8/2016	6/14/2016	D	4.00	12.57	74,300	5,910
132110	7	6/8/2016	6/14/2016	D	4.00	12.57	77,860	6,200
132111	14	6/8/2016	6/21/2016					
132112	14	6/8/2016	6/21/2016					
132113	28	6/8/2016	7/5/2016					
132114	28	6/8/2016	7/5/2016					
132115	28	6/8/2016	7/5/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

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 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 7

Placement Information: Location: Piers F-5, B-7

Placement Date: 6/8/2016 Quantity Placed (yd.³): 7
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 82 Slump1(in.): 5.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 74 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

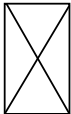
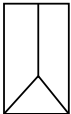
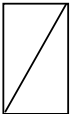
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132191	7	6/9/2016	6/15/2016	D	4.00	12.57	70,960	5,650
132192	7	6/9/2016	6/15/2016	D	4.00	12.57	72,510	5,770
132193	14	6/9/2016	6/22/2016	D	4.00	12.57	78,500	6,250
132194	14	6/9/2016	6/22/2016	D	4.00	12.57	77,840	6,190
132195	28	6/9/2016	7/6/2016	D	4.00	12.57	83,160	6,620
132196	28	6/9/2016	7/6/2016	D	4.00	12.57	84,360	6,710
132197	28	6/9/2016	7/6/2016	D	4.00	12.57	84,960	6,760

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 7

Placement Information: Location: Piers F-5, B-7

Placement Date: 6/8/2016 Quantity Placed (yd.³): 7
 Mix Design Number: 50FNDSR Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 82 Slump1(in.): 5.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 74 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

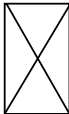
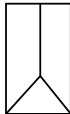
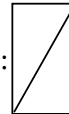
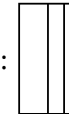
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132191	7	6/9/2016	6/15/2016	D	4.00	12.57	70,960	5,650
132192	7	6/9/2016	6/15/2016	D	4.00	12.57	72,510	5,770
132193	28	6/9/2016	7/6/2016					
132194	28	6/9/2016	7/6/2016					
132195	28	6/9/2016	7/6/2016					
132196	H	6/9/2016						
132197	H	6/9/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

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ASTM C231, ASTM C143, and ASTM C1064

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 8

Placement Information: Location: Pier A.5-1.6

Placement Date: 6/9/2016 Quantity Placed (yd.³): 8.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 86 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 84 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

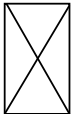
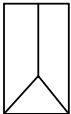
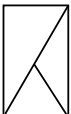
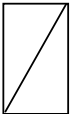
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132229	7	6/10/2016	6/16/2016	D	4.00	12.57	63,720	5,070
132230	7	6/10/2016	6/16/2016	D	4.00	12.57	59,960	4,770
132231	28	6/10/2016	7/7/2016	D	4.00	12.57	65,620	5,220
132232	28	6/10/2016	7/7/2016	D	4.00	12.57	65,990	5,250
132233	28	6/10/2016	7/7/2016					
132234	H	6/10/2016						
132235	H	6/10/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 8

Placement Information: Location: Pier A.5-1.6

Placement Date: 6/9/2016 Quantity Placed (yd.³): 8.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 86 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 84 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

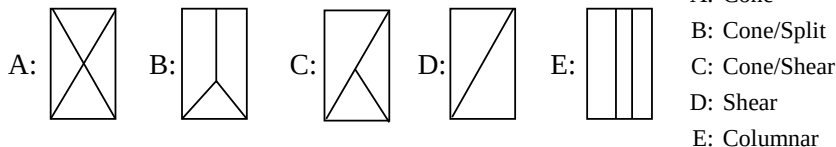
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132229	7	6/10/2016	6/16/2016	D	4.00	12.57	63,720	5,070
132230	7	6/10/2016	6/16/2016	D	4.00	12.57	59,960	4,770
132231	14	6/10/2016	6/23/2016	D	4.00	12.57	65,620	5,220
132232	14	6/10/2016	6/23/2016	D	4.00	12.57	65,990	5,250
132233	28	6/10/2016	7/7/2016	D	4.00	12.57	69,440	5,530
132234	28	6/10/2016	7/7/2016	D	4.00	12.57	68,200	5,430
132235	28	6/10/2016	7/7/2016	D	4.00	12.57	71,680	5,700

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



BS

Respectfully Submitted: **City Design Group, Inc.**

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**Report of Laboratory Compressive Strength Tests**

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 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 8

Placement Information: Location: Pier A.5-1.6

Placement Date: 6/9/2016 Quantity Placed (yd.³): 8.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 86 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 84 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

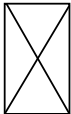
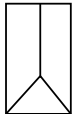
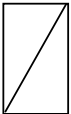
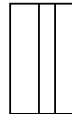
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132230	7	6/10/2016	6/16/2016	D	4.00	12.57	59,960	4,770
132231	28	6/10/2016	7/7/2016					
132232	28	6/10/2016	7/7/2016					
132233	28	6/10/2016	7/7/2016					
132234	H	6/10/2016						
132235	H	6/10/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 9

Placement Information: Location: Pier A-1.8

Placement Date: 6/10/2016 Quantity Placed (yd.³): 6.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 89 Slump1(in.): 5.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 1.6
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

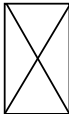
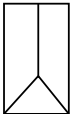
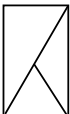
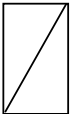
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132279	7	6/11/2016	6/17/2016	D	4.00	12.57	69,240	5,510
132280	14	6/11/2016	6/24/2016	D	4.00	12.57	71,100	5,660
132281	14	6/11/2016	6/24/2016	D	4.00	12.57	73,440	5,840
132282	28	6/11/2016	7/8/2016					
132283	28	6/11/2016	7/8/2016					
132284	28	6/11/2016	7/8/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 9

Placement Information: Location: Pier A-1.8

Placement Date: 6/10/2016 Quantity Placed (yd.³): 6.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 89 Slump1(in.): 5.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 1.6
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

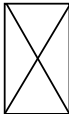
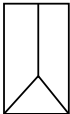
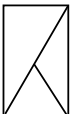
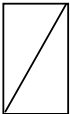
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132278	7	6/11/2016	6/17/2016	D	4.00	12.57	69,940	5,570
132279	7	6/11/2016	6/17/2016	D	4.00	12.57	69,240	5,510
132280	14	6/11/2016	6/24/2016	D	4.00	12.57	71,100	5,660
132281	14	6/11/2016	6/24/2016	D	4.00	12.57	73,440	5,840
132282	28	6/11/2016	7/8/2016	D	4.00	12.57	80,960	6,440
132283	28	6/11/2016	7/8/2016	D	4.00	12.57	79,340	6,310
132284	28	6/11/2016	7/8/2016	D	4.00	12.57	79,780	6,350

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405
 St. Louis, MO 63103
 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 9

Placement Information: Location: Pier A-1.8

Placement Date: 6/10/2016 Quantity Placed (yd.³): 6.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 89 Slump1(in.): 5.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 1.6
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132278	7	6/11/2016	6/17/2016	D	4.00	12.57	69,940	5,570
132279	7	6/11/2016	6/17/2016	D	4.00	12.57	69,240	5,510
132280	28	6/11/2016	7/8/2016					
132281	28	6/11/2016	7/8/2016					
132282	28	6/11/2016	7/8/2016					
132283	H	6/11/2016						
132284	H	6/11/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A: B: C: D: E:
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MO

CDG Report No.: _____

Placement Information: Location: Pier A.5-2Placement Date: 6/14/2016Quantity Placed (yd.³): 5Mix Design Number: 50FNDSR3Design Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 90Air Content (%): 1.5Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

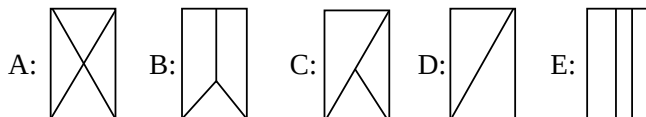
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load Lbs:	Strength (psi):
132309	7	6/15/2016	6/21/2016	D	4.00	12.57	59720	4,750
132310	7	6/15/2016	6/21/2016	D	4.00	12.57	59,100	4,700
132311	14	6/15/2016	6/28/2016					
132312	14	6/15/2016	6/28/2016					
132313	28	6/15/2016	7/12/2016					
132314	28	6/15/2016	7/12/2016					
132315	28	6/15/2016	7/12/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc: _____

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 10

Placement Information: Location: Pier A.5-2

Placement Date: 6/14/2016 Quantity Placed (yd.³): 5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 92 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 90 Air Content (%): 1.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

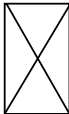
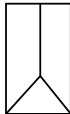
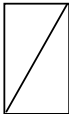
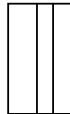
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load Lbs:	Strength (psi):
132309	7	6/15/2016	6/21/2016	D	4.00	12.57	59720	4,750
132310	7	6/15/2016	6/21/2016	D	4.00	12.57	59,100	4,700
132311	14	6/15/2016	6/28/2016	D	4.00	12.57	67,660	5,380
132312	14	6/15/2016	6/28/2016	D	4.00	12.57	62,820	5,000
132313	28	6/15/2016	7/12/2016					
132314	28	6/15/2016	7/12/2016					
132315	28	6/15/2016	7/12/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 11

Placement Information: Location: Pier A.5-2

Placement Date: 6/14/2016 Quantity Placed (yd.³): 3
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 92 Slump1(in.): 5.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 95 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

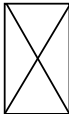
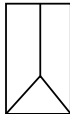
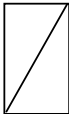
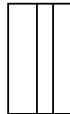
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132316	7	6/15/2016	6/21/2016	D	4.00	12.57	57,860	4,600
132317	7	6/15/2016	6/21/2016	D	4.00	12.57	57,140	4,550
132318	14	6/15/2016	6/28/2016	D	4.00	12.57	59,960	4,770
132319	14	6/15/2016	6/28/2016	D	4.00	12.57	61,420	4,890
132320	28	6/15/2016	7/12/2016					
132321	28	6/15/2016	7/12/2016					
132322	28	6/15/2016	7/12/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 11

Placement Information: Location: Pier A.5-2

Placement Date: 6/14/2016 Quantity Placed (yd.³): 3
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 92 Slump1(in.): 5.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 95 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

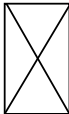
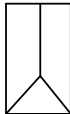
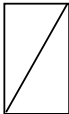
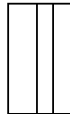
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132316	7	6/15/2016	6/21/2016	D	4.00	12.57	57,860	4,600
132317	7	6/15/2016	6/21/2016	D	4.00	12.57	57,140	4,550
132318	14	6/15/2016	6/28/2016					
132319	14	6/15/2016	6/28/2016					
132320	28	6/15/2016	7/12/2016					
132321	28	6/15/2016	7/12/2016					
132322	28	6/15/2016	7/12/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 12A

Placement Information: Location: Pier B

Placement Date: 6/15/2016 Quantity Placed (yd.³): 4
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 91 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 89 Air Content (%): 1.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

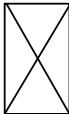
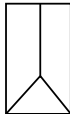
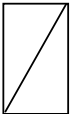
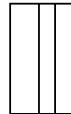
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132372	7	6/16/2016	6/22/2016	D	4.00	12.57	71,940	5,720
132373	7	6/16/2016	6/22/2016	D	4.00	12.57	74,300	5,910
132374	14	6/16/2016	6/29/2016	D	4.00	12.57	80,900	6,440
132375	14	6/16/2016	6/29/2016	D	4.00	12.57	77,300	6,150
132376	28	6/16/2016	7/13/2016					
132377	28	6/16/2016	7/13/2016					
132378	28	6/16/2016	7/13/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 12A

Placement Information: Location: Pier B-8

Placement Date: 6/15/2016 Quantity Placed (yd.³): 4
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 91 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 89 Air Content (%): 1.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

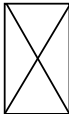
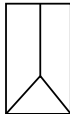
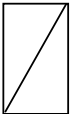
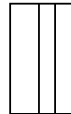
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132372	7	6/16/2016	6/22/2016	D	4.00	12.57	71,940	5,720
132373	7	6/16/2016	6/22/2016	D	4.00	12.57	74,300	5,910
132374	14	6/16/2016	6/29/2016	D	4.00	12.57	80,900	6,440
132375	14	6/16/2016	6/29/2016	D	4.00	12.57	77,300	6,150
132376	28	6/16/2016	7/13/2016	D	4.00	12.57	84,800	6,750
132377	28	6/16/2016	7/13/2016	D	4.00	12.57	81,820	6,510
132378	28	6/16/2016	7/13/2016	D	4.00	12.57	83,600	6,650

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 12B

Placement Information: Location: Footings V,3-4.6; 4.6,V-W

Placement Date: 6/15/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 95 Air Content (%): 5.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

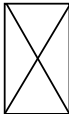
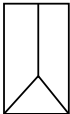
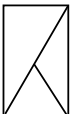
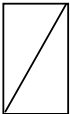
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132380	7	6/16/2016	6/22/2016	D	4.00	12.57	46,140	3,670
132381	14	6/16/2016	6/29/2016	D	4.00	12.57	48,360	3,850
132382	14	6/16/2016	6/29/2016	D	4.00	12.57	47,820	3,810
132383	28	6/16/2016	7/13/2016					
132384	28	6/16/2016	7/13/2016					
132385	28	6/16/2016	7/13/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 12B

Placement Information: Location: Footings V,3-4.6; 4.6,V-W

Placement Date: 6/15/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 95 Air Content (%): 5.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

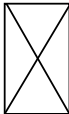
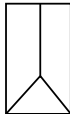
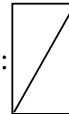
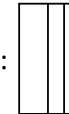
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132379	7	6/16/2016	6/22/2016	D	4.00	12.57	45,380	3,610
132380	7	6/16/2016	6/22/2016	D	4.00	12.57	46,140	3,670
132381	14	6/16/2016	6/29/2016	D	4.00	12.57	48,360	3,850
132382	14	6/16/2016	6/29/2016	D	4.00	12.57	47,820	3,810
132383	28	6/16/2016	7/13/2016	D	4.00	12.57	53,240	4,240
132384	28	6/16/2016	7/13/2016	D	4.00	12.57	55,400	4,410
132385	28	6/16/2016	7/13/2016	D	4.00	12.57	57,240	4,560

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405
 St. Louis, MO 63103
 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 13

Placement Information: Location: Pier A.2-1.9

Placement Date: 6/16/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 50FNDSR3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 86 Slump1(in.): 5.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 91-95 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

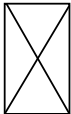
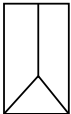
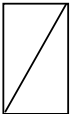
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132441	7	6/17/2016	6/23/2016	D	4.00	12.57	77,300	6,150
132442	7	6/17/2016	6/23/2016	D	4.00	12.57	71,780	5,710
132443	14	6/17/2016	6/30/2016	D	4.00	12.57	83,000	6,600
132444	14	6/17/2016	6/30/2016	D	4.00	12.57	79,280	6,310
132445	28	6/17/2016	7/14/2016					
132446	28	6/17/2016	7/14/2016					
132447	28	6/17/2016	7/14/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405
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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 13

Placement Information: Location: Pier A.2-1.9

Placement Date: 6/16/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 50FNDSR3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 86 Slump1(in.): 5.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 91-95 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

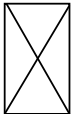
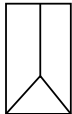
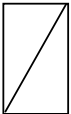
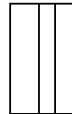
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132441	7	6/17/2016	6/23/2016	D	4.00	12.57	77,300	6,150
132442	7	6/17/2016	6/23/2016	D	4.00	12.57	71,780	5,710
132443	14	6/17/2016	6/30/2016	D	4.00	12.57	83,000	6,600
132444	14	6/17/2016	6/30/2016	D	4.00	12.57	79,280	6,310
132445	28	6/17/2016	7/14/2016	D	4.00	12.57	84,620	6,730
132446	28	6/17/2016	7/14/2016	D	4.00	12.57	88,140	7,010
132447	28	6/17/2016	7/14/2016	D	4.00	12.57	85,980	6,840

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 13

Placement Information: Location: Pier A.2-1.9

Placement Date: 6/16/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 50FNDSR3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 86 Slump1(in.): 5.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 91-95 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

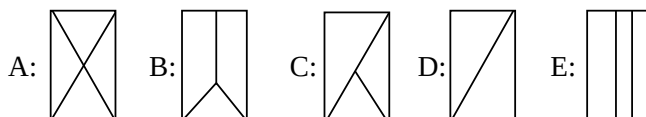
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132441	7	6/17/2016	6/23/2016	D	4.00	12.57	77,300	6,150
132442	7	6/17/2016	6/23/2016	D	4.00	12.57	71,780	5,710
132443	28	6/17/2016	7/14/2016					
132444	28	6/17/2016	7/14/2016					
132445	28	6/17/2016	7/14/2016					
132446	H	6/17/2016						
132447	H	6/17/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MO

CDG Report No.: _____

Placement Information: Location: Tower Crane Foundation PierPlacement Date: 6/17/2016Quantity Placed (yd.³): 38.5Mix Design Number: 60PFSTM3Design Strength (psi): 6000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 6.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 80Air Content (%): 1.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132485	3	6/18/2016	6/20/2016	D	4.00	12.57	76,360	6,080
132486	3	6/18/2016	6/20/2016	D	4.00	12.57	69,180	5,510
132487	7	6/18/2016	6/24/2016	D	4.00	12.57	69,540	5,530
132488	7	6/18/2016	6/24/2016	D	4.00	12.57	70,540	5,610
132489	14	6/18/2016	7/1/2016					
132490	14	6/18/2016	7/1/2016					
132491	28	6/18/2016	7/15/2016					
132492	28	6/18/2016	7/15/2016					

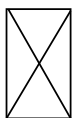
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

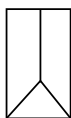
N/A - Not Applicable

Break Types:

A:



B:



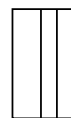
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MO

CDG Report No.: _____

Placement Information: Location: Tower Crane Foundation PierPlacement Date: 6/17/2016Quantity Placed (yd.³): 38.5Mix Design Number: 60PFSTM3Design Strength (psi): 6000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 6.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 80Air Content (%): 1.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132485	3	6/18/2016	6/20/2016	D	4.00	12.57	76,360	6,080
132486	3	6/18/2016	6/20/2016	D	4.00	12.57	69,180	5,510
132487	7	6/18/2016	6/24/2016	D	4.00	12.57	69,540	5,530
132488	7	6/18/2016	6/24/2016	D	4.00	12.57	70,540	5,610
132489	14	6/18/2016	7/1/2016	D	4.00	12.57	79,360	6,320
132490	14	6/18/2016	7/1/2016	D	4.00	12.57	84,260	6,710
132491	28	6/18/2016	7/15/2016					
132492	28	6/18/2016	7/15/2016					

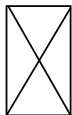
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

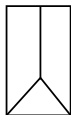
N/A - Not Applicable

Break Types:

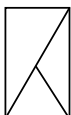
A:



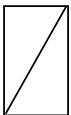
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MO

CDG Report No.: _____

Placement Information: Location: Tower Crane Foundation PierPlacement Date: 6/17/2016Quantity Placed (yd.³): 38.5Mix Design Number: 60PFSTM3Design Strength (psi): 6000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 6.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 80Air Content (%): 1.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132485	3	6/18/2016	6/20/2016	D	4.00	12.57	76,360	6,080
132486	3	6/18/2016	6/20/2016	D	4.00	12.57	69,180	5,510
132487	7	6/18/2016	6/24/2016					
132488	7	6/18/2016	6/24/2016					
132489	14	6/18/2016	7/1/2016					
132490	14	6/18/2016	7/1/2016					
132491	28	6/18/2016	7/15/2016					
132492	28	6/18/2016	7/15/2016					

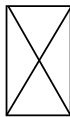
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

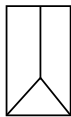
N/A - Not Applicable

Break Types:

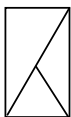
A:



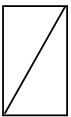
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 14

Placement Information: Location: Tower Crane Foundation Pier

Placement Date: 6/17/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 60FFSTM3 Design Strength (psi): 6000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 74 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

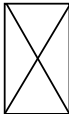
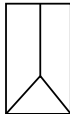
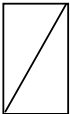
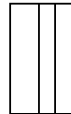
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132478	3	6/18/2016	6/20/2016	D	4.00	12.57	79,920	6,360
132479	7	6/18/2016	6/24/2016	D	4.00	12.57	80,060	6,370
132480	7	6/18/2016	6/24/2016	D	4.00	12.57	87,600	6,970
132481	14	6/18/2016	7/1/2016					
132482	28	6/18/2016	7/15/2016					
132483	28	6/18/2016	7/15/2016					
132484	28	6/18/2016	7/15/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 14

Placement Information: Location: Tower Crane Foundation Pier

Placement Date: 6/17/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 60FFSTM3 Design Strength (psi): 6000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 74 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

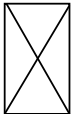
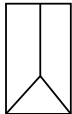
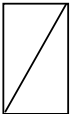
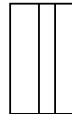
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132478	3	6/18/2016	6/20/2016	D	4.00	12.57	79,920	6,360
132479	7	6/18/2016	6/24/2016	D	4.00	12.57	80,060	6,370
132480	7	6/18/2016	6/24/2016	D	4.00	12.57	87,600	6,970
132481	14	6/18/2016	7/1/2016	D	4.00	12.57	93,140	7,410
132482	28	6/18/2016	7/15/2016					
132483	28	6/18/2016	7/15/2016					
132484	28	6/18/2016	7/15/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405
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 O 314.241.9072 ·

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 14

Placement Information: Location: Tower Crane Foundation Pier

Placement Date: 6/17/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 60FFSTM3 Design Strength (psi): 6000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 74 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

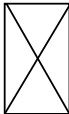
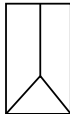
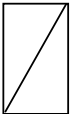
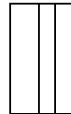
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132478	3	6/18/2016	6/20/2016	D	4.00	12.57	79,920	6,360
132479	7	6/18/2016	6/24/2016	D	4.00	12.57	80,060	6,370
132480	7	6/18/2016	6/24/2016	D	4.00	12.57	87,600	6,970
132481	14	6/18/2016	7/1/2016	D	4.00	12.57	93,140	7,410
132482	28	6/18/2016	7/15/2016	D	4.00	12.57	98,580	7,840
132483	28	6/18/2016	7/15/2016	D	4.00	12.57	98,900	7,870
132484	28	6/18/2016	7/15/2016	D	4.00	12.57	103,400	8,230

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 14

Placement Information: Location: Tower Crane Foundation Pier

Placement Date: 6/17/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 60FFSTM3 Design Strength (psi): 6000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 6.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 74 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

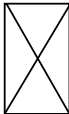
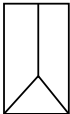
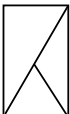
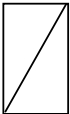
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132479	7	6/18/2016	6/24/2016					
132480	7	6/18/2016	6/24/2016					
132481	14	6/18/2016	7/1/2016					
132482	28	6/18/2016	7/15/2016					
132483	28	6/18/2016	7/15/2016					
132484	28	6/18/2016	7/15/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 20

Placement Information: Location: Pier A.1-2

Placement Date: 6/17/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 92 Slump1(in.): 6.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 88 Air Content (%): 1.6
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

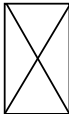
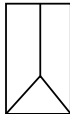
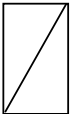
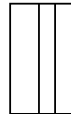
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132494	7	6/18/2016	6/24/2016	D	4.00	12.57	60,440	4,810
132495	14	6/18/2016	7/1/2016	D	4.00	12.57	69,380	5,520
132496	14	6/18/2016	7/1/2016	D	4.00	12.57	65,720	5,230
132497	28	6/18/2016	7/15/2016					
132498	28	6/18/2016	7/15/2016					
132499	28	6/18/2016	7/15/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 20

Placement Information: Location: Pier A.1-2

Placement Date: 6/17/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 92 Slump1(in.): 6.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 88 Air Content (%): 1.6
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

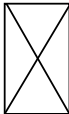
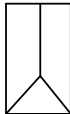
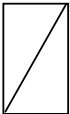
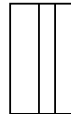
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132494	7	6/18/2016	6/24/2016	D	4.00	12.57	60,440	4,810
132495	14	6/18/2016	7/1/2016	D	4.00	12.57	69,380	5,520
132496	14	6/18/2016	7/1/2016	D	4.00	12.57	65,720	5,230
132497	28	6/18/2016	7/15/2016	D	4.00	12.57	72,460	5,770
132498	28	6/18/2016	7/15/2016	D	4.00	12.57	75,780	6,030
132499	28	6/18/2016	7/15/2016	D	4.00	12.57	74,160	5,900

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

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 St. Louis, MO 63103
 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 20

Placement Information: Location: Pier A.1-2

Placement Date: 6/17/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 92 Slump1(in.): 6.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 88 Air Content (%): 1.6
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

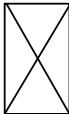
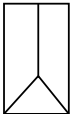
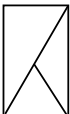
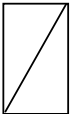
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132494	7	6/18/2016	6/24/2016	D	4.00	12.57	60,440	4,810
132495	14	6/18/2016	7/1/2016					
132496	14	6/18/2016	7/1/2016					
132497	28	6/18/2016	7/15/2016					
132498	28	6/18/2016	7/15/2016					
132499	28	6/18/2016	7/15/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 16**Placement Information:** Location: Footings at W-3Placement Date: 6/20/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 95Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132526	7	6/21/2016	6/27/2016	D	4.00	12.57	44,800	3,570
132527	7	6/21/2016	6/27/2016	D	4.00	12.57	46,820	3,730
132528	28	6/21/2016	7/18/2016	D	4.00	12.57	53,800	4,280
132529	28	6/21/2016	7/18/2016	D	4.00	12.57	53,740	4,280
132530	28	6/21/2016	7/18/2016	D	4.00	12.57	53,480	4,260

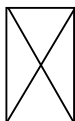
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

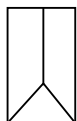
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Break Types:

A:



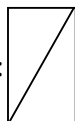
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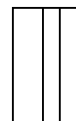
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 16**Placement Information:** Location: Footings at W-3Placement Date: 6/20/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 95Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132526	7	6/21/2016	6/27/2016	D	4.00	12.57	44,800	3,570
132527	7	6/21/2016	6/27/2016	D	4.00	12.57	46,820	3,730
132528	28	6/21/2016	7/18/2016					
132529	28	6/21/2016	7/18/2016					
132530	28	6/21/2016	7/18/2016					

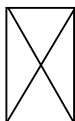
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

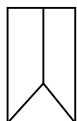
N/A - Not Applicable

Break Types:

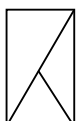
A:



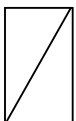
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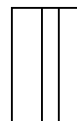
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

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St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 17**Placement Information:** Location: Footings X-4.5Placement Date: 6/20/2016Quantity Placed (yd.³): 49Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 95Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132521	7	6/21/2016	6/27/2016	D	4.00	12.57	36,160	2,880
132522	7	6/21/2016	6/27/2016	D	4.00	12.57	35,600	2,830
132523	28	6/21/2016	7/18/2016	D	4.00	12.57	40,400	3,210
132524	28	6/21/2016	7/18/2016	D	4.00	12.57	36,480	2,900
132525	28	6/21/2016	7/18/2016	D	4.00	12.57	45,380	3,610

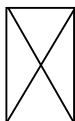
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

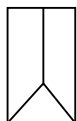
N/A - Not Applicable

Break Types:

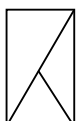
A:



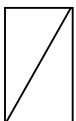
B:



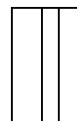
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc: _____

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 17**Placement Information:** Location: Footings X-4.5Placement Date: 6/20/2016Quantity Placed (yd.³): 49Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 95Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132521	7	6/21/2016	6/27/2016	D	4.00	12.57	36,160	2,880
132522	7	6/21/2016	6/27/2016	D	4.00	12.57	35,600	2,830
132523	28	6/21/2016	7/18/2016					
132524	28	6/21/2016	7/18/2016					
132525	28	6/21/2016	7/18/2016					

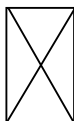
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

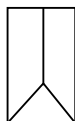
N/A - Not Applicable

Break Types:

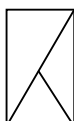
A:



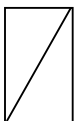
B:



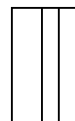
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 15**Placement Information:** Location: Tower Crane Foundation PierPlacement Date: 6/17/2016Quantity Placed (yd.³): 38.5Mix Design Number: 60PFSTM3Design Strength (psi): 6000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 6.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 80Air Content (%): 1.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132485	3	6/18/2016	6/20/2016	D	4.00	12.57	76,360	6,080
132486	3	6/18/2016	6/20/2016	D	4.00	12.57	69,180	5,510
132487	7	6/18/2016	6/24/2016	D	4.00	12.57	69,540	5,530
132488	7	6/18/2016	6/24/2016	D	4.00	12.57	70,540	5,610
132489	14	6/18/2016	7/1/2016	D	4.00	12.57	79,360	6,320
132490	14	6/18/2016	7/1/2016	D	4.00	12.57	84,260	6,710
132491	28	6/18/2016	7/15/2016	D	4.00	12.57	94,220	7,500
132492	28	6/18/2016	7/15/2016	D	4.00	12.57	87,840	6,990

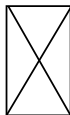
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

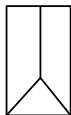
N/A - Not Applicable

Break Types:

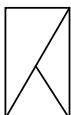
A:



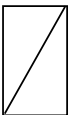
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 18**Placement Information:** Location: Pier B.3-2.6Placement Date: 6/21/2016Quantity Placed (yd.³): 7.5Mix Design Number: 50FNDSR3Design Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 90Slump1(in.): 5.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 75Air Content (%): 1.8Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

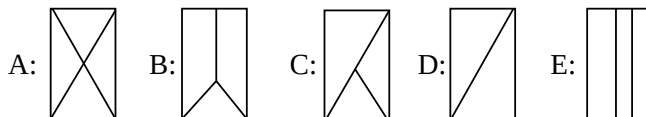
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132538	7	6/22/2016	6/28/2016	D	4.00	12.57	67,380	5,360
132539	7	6/22/2016	6/28/2016	D	4.00	12.57	69,140	5,500
132540	14	6/22/2016	7/5/2016	D	4.00	12.57	76,100	6,060
132541	14	6/22/2016	7/5/2016	D	4.00	12.57	74,540	5,930
132542	28	6/22/2016	7/19/2016					
132543	28	6/22/2016	7/19/2016					
132544	28	6/22/2016	7/19/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 18

Placement Information: Location: Pier B.3-2.6

Placement Date: 6/21/2016 Quantity Placed (yd.³): 7.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 5.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 75 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

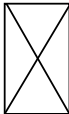
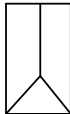
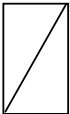
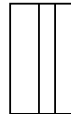
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132538	7	6/22/2016	6/28/2016	D	4.00	12.57	67,380	5,360
132539	7	6/22/2016	6/28/2016	D	4.00	12.57	69,140	5,500
132540	14	6/22/2016	7/5/2016	D	4.00	12.57	76,100	6,060
132541	14	6/22/2016	7/5/2016	D	4.00	12.57	74,540	5,930
132542	28	6/22/2016	7/19/2016	D	4.00	12.57	80,640	6,420
132543	28	6/22/2016	7/19/2016	D	4.00	12.57	80,720	6,420
132544	28	6/22/2016	7/19/2016	D	4.00	12.57	84,120	6,690

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 18

Placement Information: Location: Pier B.3-2.6

Placement Date: 6/21/2016 Quantity Placed (yd.³): 7.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 5.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 75 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

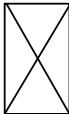
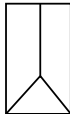
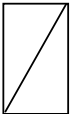
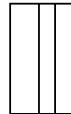
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132538	7	6/22/2016	6/28/2016	D	4.00	12.57	67,380	5,360
132539	7	6/22/2016	6/28/2016	D	4.00	12.57	69,140	5,500
132540	28	6/22/2016	7/19/2016					
132541	28	6/22/2016	7/19/2016					
132542	28	6/22/2016	7/19/2016					
132543	H	6/22/2016						
132544	H	6/22/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

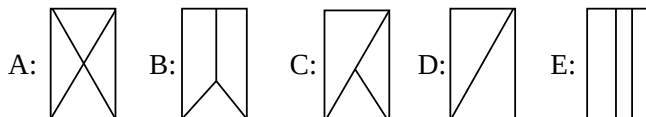
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132546	3	6/22/2016	6/24/2016	D	4.00	12.57	74,000	5,890
132547	7	6/22/2016	6/28/2016	D	4.00	12.57	72,240	5,750
132548	7	6/22/2016	6/28/2016	D	4.00	12.57	75,420	6,000
132549	28	6/22/2016	7/19/2016					
132550	28	6/22/2016	7/19/2016					
132551	28	6/22/2016	7/19/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

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Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132545	3	6/22/2016	6/24/2016	D	4.00	12.57	70,820	5,640
132546	3	6/22/2016	6/24/2016	D	4.00	12.57	74,000	5,890
132547	7	6/22/2016	6/28/2016	D	4.00	12.57	72,240	5,750
132548	7	6/22/2016	6/28/2016	D	4.00	12.57	75,420	6,000
132549	14	6/22/2016	7/5/2016	D	4.00	12.57	83,240	6,620
132550	14	6/22/2016	7/5/2016	D	4.00	12.57	82,260	6,550
132551	28	6/22/2016	7/19/2016					
132552	28	6/22/2016	7/19/2016					

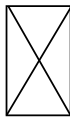
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

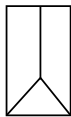
N/A - Not Applicable

Break Types:

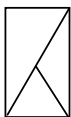
A:



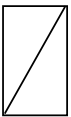
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

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St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 19**Placement Information:** Location: Tower crane pier capPlacement Date: 6/21/2016Quantity Placed (yd.³): 6.75Mix Design Number: 60PFSTM3Design Strength (psi): 6000 @ 28-DaysConcrete Temp. (F°): 96Slump1(in.): 5.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 88Air Content (%): 1.5Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132545	3	6/22/2016	6/24/2016	D	4.00	12.57	70,820	5,640
132546	3	6/22/2016	6/24/2016	D	4.00	12.57	74,000	5,890
132547	7	6/22/2016	6/28/2016	D	4.00	12.57	72,240	5,750
132548	7	6/22/2016	6/28/2016	D	4.00	12.57	75,420	6,000
132549	14	6/22/2016	7/5/2016	D	4.00	12.57	83,240	6,620
132550	14	6/22/2016	7/5/2016	D	4.00	12.57	82,260	6,550
132551	28	6/22/2016	7/19/2016	D	4.00	12.57	92,980	7,400
132552	28	6/22/2016	7/19/2016	D	4.00	12.57	91,020	7,240

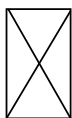
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

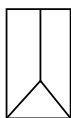
N/A - Not Applicable

Break Types:

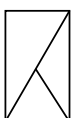
A:



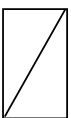
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405
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 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 19

Placement Information: Location: Tower crane pier cap

Placement Date: 6/21/2016 Quantity Placed (yd.³): 6.75
 Mix Design Number: 60PFSTM3 Design Strength (psi): 6000 @ 28-Days
 Concrete Temp. (F°): 96 Slump1(in.): 5.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 88 Air Content (%): 1.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132545	3	6/22/2016	6/24/2016	D	4.00	12.57	70,820	5,640
132546	3	6/22/2016	6/24/2016	D	4.00	12.57	74,000	5,890
132547	7	6/22/2016	6/28/2016					
132548	7	6/22/2016	6/28/2016					
132549	28	6/22/2016	7/19/2016					
132550	28	6/22/2016	7/19/2016					
132551	28	6/22/2016	7/19/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A: B: C: D: E:

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 21

Placement Information: Location: Pier B-7

Placement Date: 6/23/2016 Quantity Placed (yd.³): 3.25
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 97 Slump1(in.): 5.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 85 Air Content (%): 1.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

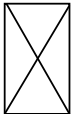
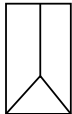
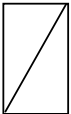
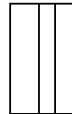
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132636	7	6/24/2016	6/30/2016	D	4.00	12.57	77,880	6,200
132637	7	6/24/2016	6/30/2016	D	4.00	12.57	76,240	6,070
132638	14	6/24/2016	7/7/2016					
132639	14	6/24/2016	7/7/2016					
132640	28	6/24/2016	7/21/2016					
132641	28	6/24/2016	7/21/2016					
132642	28	6/24/2016	7/21/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 22**Placement Information:** Location: Grade beam at 3,X.5-YPlacement Date: 6/22/2016Quantity Placed (yd.³): 9Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 96Air Content (%): 5.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132560	7	6/23/2016	6/29/2016	D	4.00	12.57	45,260	3,600
132561	7	6/23/2016	6/29/2016	D	4.00	12.57	50,420	4,010
132562	28	6/23/2016	7/20/2016	D	4.00	12.57	60,920	4,850
132563	28	6/23/2016	7/20/2016	D	4.00	12.57	60,780	4,840
132564	28	6/23/2016	7/20/2016	D	4.00	12.57	58,640	4,670

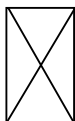
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

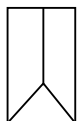
N/A - Not Applicable

Break Types:

A:



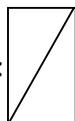
B:



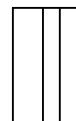
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 22**Placement Information:** Location: Grade beam at 3,X.5-YPlacement Date: 6/22/2016Quantity Placed (yd.³): 9Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 96Air Content (%): 5.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

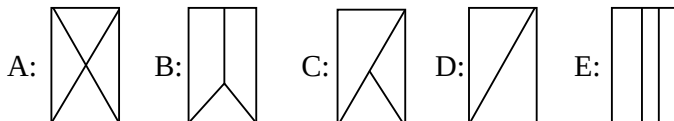
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132560	7	6/23/2016	6/29/2016	D	4.00	12.57	45,260	3,600
132561	7	6/23/2016	6/29/2016	D	4.00	12.57	50,420	4,010
132562	28	6/23/2016	7/20/2016					
132563	28	6/23/2016	7/20/2016					
132564	28	6/23/2016	7/20/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 23**Placement Information:** Location: Grade beam at Y,3.5-4Placement Date: 6/22/2016Quantity Placed (yd.³): 27Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 96Air Content (%): 5.4Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132565	7	6/23/2016	6/29/2016	D	4.00	12.57	72,980	5,810
132566	7	6/23/2016	6/29/2016	D	4.00	12.57	71,620	5,700
132567	28	6/23/2016	7/20/2016	D	4.00	12.57	79,100	6,290
132568	28	6/23/2016	7/20/2016	D	4.00	12.57	95,280	7,580
132569	28	6/23/2016	7/20/2016	D	4.00	12.57	92,660	7,370

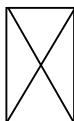
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

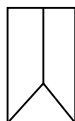
N/A - Not Applicable

Break Types:

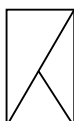
A:



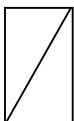
B:



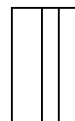
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 23**Placement Information:** Location: Grade beam at Y,3.5-4Placement Date: 6/22/2016Quantity Placed (yd.³): 27Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 6.00 Slump2 (in.): 0.00Ambient Air Temp. (F°): 96Air Content (%): 5.4Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132565	7	6/23/2016	6/29/2016	D	4.00	12.57	72,980	5,810
132566	7	6/23/2016	6/29/2016	D	4.00	12.57	71,620	5,700
132567	28	6/23/2016	7/20/2016					
132568	28	6/23/2016	7/20/2016					
132569	28	6/23/2016	7/20/2016					

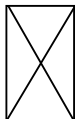
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

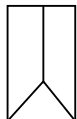
N/A - Not Applicable

Break Types:

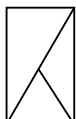
A:



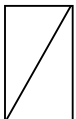
B:



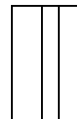
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 24

Placement Information: Location: Pier B.3-3

Placement Date: 6/22/2016 Quantity Placed (yd.³): 6
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 96 Slump1(in.): 5.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 97 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

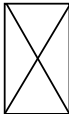
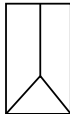
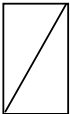
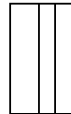
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132570	7	6/23/2016	6/29/2016	D	4.00	12.57	70,740	5,630
132571	7	6/23/2016	6/29/2016	D	4.00	12.57	61,260	4,870
132572	14	6/23/2016	7/6/2016	D	4.00	12.57	69,560	5,540
132573	14	6/23/2016	7/6/2016	D	4.00	12.57	68,240	5,430
132574	28	6/23/2016	7/20/2016	D	4.00	12.57	77,400	6,160
132575	28	6/23/2016	7/20/2016	D	4.00	12.57	78,960	6,280
132576	28	6/23/2016	7/20/2016	D	4.00	12.57	77,040	6,130

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 24**Placement Information:** Location: Pier B.3-3Placement Date: 6/22/2016Quantity Placed (yd.³): 6Mix Design Number: 50FNDSR3Design Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 96Slump1(in.): 5.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 97Air Content (%): 2.0Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132570	7	6/23/2016	6/29/2016	D	4.00	12.57	70,740	5,630
132571	7	6/23/2016	6/29/2016	D	4.00	12.57	61,260	4,870
132572	28	6/23/2016	7/20/2016					
132573	28	6/23/2016	7/20/2016					
132574	28	6/23/2016	7/20/2016					

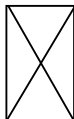
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

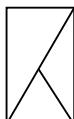
A:



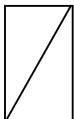
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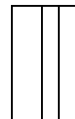
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405
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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 21

Placement Information: Location: Pier B-7

Placement Date: 6/23/2016 Quantity Placed (yd.³): 3.25
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 97 Slump1(in.): 5.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 85 Air Content (%): 1.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

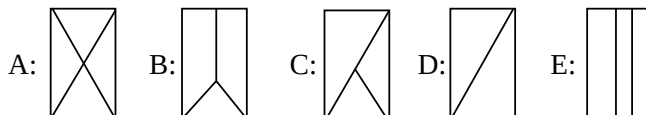
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132636	7	6/24/2016	6/30/2016	D	4.00	12.57	77,880	6,200
132637	7	6/24/2016	6/30/2016	D	4.00	12.57	76,240	6,070
132638	14	6/24/2016	7/7/2016	D	4.00	12.57	76,560	6,090
132639	14	6/24/2016	7/7/2016	D	4.00	12.57	78,880	6,280
132640	28	6/24/2016	7/21/2016	D	4.00	12.57	90,280	7,180
132641	28	6/24/2016	7/21/2016	D	4.00	12.57	90,300	7,190
132642	28	6/24/2016	7/21/2016	D	4.00	12.57	95,140	7,570

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 21

Placement Information: Location: Pier B-7

Placement Date: 6/23/2016 Quantity Placed (yd.³): 3.25
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 97 Slump1(in.): 5.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 85 Air Content (%): 1.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

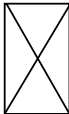
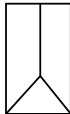
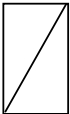
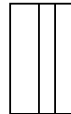
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132637	7	6/24/2016	6/30/2016	D	4.00	12.57	76,240	6,070
132638	14	6/24/2016	7/7/2016	D	4.00	12.57	76,560	6,090
132639	14	6/24/2016	7/7/2016	D	4.00	12.57	78,880	6,280
132640	28	6/24/2016	7/21/2016					
132641	28	6/24/2016	7/21/2016					
132642	28	6/24/2016	7/21/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 25

Placement Information: Location: Pier B.3-4

Placement Date: 6/24/2016 Quantity Placed (yd.³): 3.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 91 Slump1(in.): 6.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 86 Air Content (%): 1.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

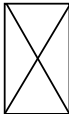
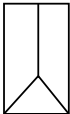
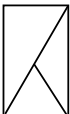
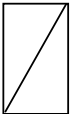
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132644	7	6/25/2016	7/1/2016	D	4.00	12.57	77,000	6,130
132645	14	6/25/2016	7/8/2016	D	4.00	12.57	80,500	6,410
132646	14	6/25/2016	7/8/2016	D	4.00	12.57	83,680	6,660
132647	28	6/25/2016	7/22/2016					
132648	28	6/25/2016	7/22/2016					
132649	28	6/25/2016	7/22/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 25**Placement Information:** Location: Pier B.3-4Placement Date: 6/24/2016Quantity Placed (yd.³): 3.5Mix Design Number: 50FNDSR3Design Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 1.5Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

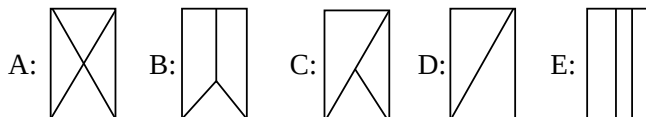
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132643	7	6/25/2016	7/1/2016	D	4.00	12.57	81,040	6,450
132644	7	6/25/2016	7/1/2016	D	4.00	12.57	77,000	6,130
132645	14	6/25/2016	7/8/2016	D	4.00	12.57	80,500	6,410
132646	14	6/25/2016	7/8/2016	D	4.00	12.57	83,680	6,660
132647	28	6/25/2016	7/22/2016	D	4.00	12.57	92,600	7,370
132648	28	6/25/2016	7/22/2016	D	4.00	12.57	91,360	7,270
132649	28	6/25/2016	7/22/2016	D	4.00	12.57	90,420	7,200

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 25**Placement Information:** Location: Pier B.3-4Placement Date: 6/24/2016Quantity Placed (yd.³): 3.5Mix Design Number: 50FNDSR3Design Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 1.5Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

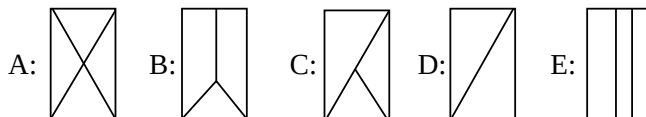
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132644	7	6/25/2016	7/1/2016	D	4.00	12.57	77,000	6,130
132645	28	6/25/2016	7/22/2016					
132646	28	6/25/2016	7/22/2016					
132647	28	6/25/2016	7/22/2016					
132648	H	6/25/2016						
132649	H	6/25/2016						

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 26

Placement Information: Location: Pier B-4

Placement Date: 6/27/2016 Quantity Placed (yd.³): 7
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 88 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 80 Air Content (%): 2.0
 Supplier: Metro Cast By: Tony Robertson

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

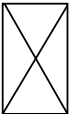
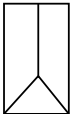
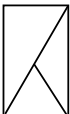
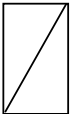
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132689	7	6/28/2016	7/4/2016	D	4.00	12.57	66,640	5,300
132690	14	6/28/2016	7/11/2016	D	4.00	12.57	73,700	5,860
132691	14	6/28/2016	7/11/2016	D	4.00	12.57	70,200	5,590
132692	28	6/28/2016	7/25/2016					
132693	28	6/28/2016	7/25/2016					
132694	28	6/28/2016	7/25/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 26

Placement Information: Location: Pier B-4

Placement Date: 6/27/2016 Quantity Placed (yd.³): 7
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 88 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 80 Air Content (%): 2.0
 Supplier: Metro Cast By: Tony Robertson

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

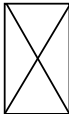
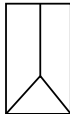
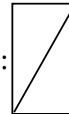
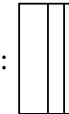
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132688	7	6/28/2016	7/4/2016	D	4.00	12.57	61,060	4,860
132689	7	6/28/2016	7/4/2016	D	4.00	12.57	66,640	5,300
132690	14	6/28/2016	7/11/2016	D	4.00	12.57	73,700	5,860
132691	14	6/28/2016	7/11/2016	D	4.00	12.57	70,200	5,590
132692	28	6/28/2016	7/25/2016	D	4.00	12.57	81,640	6,500
132693	28	6/28/2016	7/25/2016	D	4.00	12.57	78,140	6,220
132694	28	6/28/2016	7/25/2016	D	4.00	12.57	77,920	6,200

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 26

Placement Information: Location: Pier B-4

Placement Date: 6/27/2016 Quantity Placed (yd.³): 7
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 88 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 80 Air Content (%): 2.0
 Supplier: Metro Cast By: Tony Robertson

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

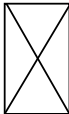
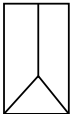
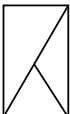
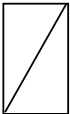
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132688	7	6/28/2016	7/4/2016	D	4.00	12.57	61,060	4,860
132689	7	6/28/2016	7/4/2016	D	4.00	12.57	66,640	5,300
132690	14	6/28/2016	7/11/2016					
132691	14	6/28/2016	7/11/2016					
132692	28	6/28/2016	7/25/2016					
132693	28	6/28/2016	7/25/2016					
132694	28	6/28/2016	7/25/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405
 St. Louis, MO 63103
 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 27

Placement Information: Location: Pier B-4.6

Placement Date: 6/28/2016 Quantity Placed (yd.³): 8.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 86 Slump1(in.): 4.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 86 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

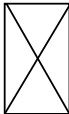
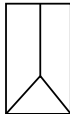
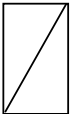
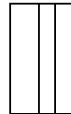
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132716	7	6/29/2016	7/5/2016	D	4.00	12.57	67,260	5,350
132717	7	6/29/2016	7/5/2016	D	4.00	12.57	70,700	5,630
132718	14	6/29/2016	7/12/2016	D	4.00	12.57	77,420	6,160
132719	14	6/29/2016	7/12/2016	D	4.00	12.57	76,100	6,060
132720	28	6/29/2016	7/26/2016	D	4.00	12.57	89,920	7,160
132721	28	6/29/2016	7/26/2016	D	4.00	12.57	93,340	7,430
132722	28	6/29/2016	7/26/2016	D	4.00	12.57	95,440	7,590

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 27

Placement Information: Location: Pier B-4.6

Placement Date: 6/28/2016 Quantity Placed (yd.³): 8.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 86 Slump1(in.): 4.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 86 Air Content (%): 1.8
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

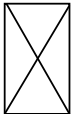
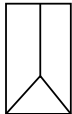
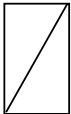
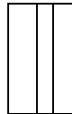
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132716	7	6/29/2016	7/5/2016	D	4.00	12.57	67,260	5,350
132717	7	6/29/2016	7/5/2016	D	4.00	12.57	70,700	5,630
132718	14	6/29/2016	7/12/2016					
132719	14	6/29/2016	7/12/2016					
132720	28	6/29/2016	7/26/2016					
132721	28	6/29/2016	7/26/2016					
132722	28	6/29/2016	7/26/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 28

Placement Information: Location: Pier A-4
 Placement Date: 6/29/2016 Quantity Placed (yd.³): 5.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 78 Air Content (%): 1.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

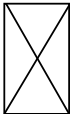
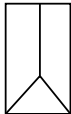
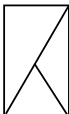
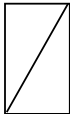
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132772	7	6/30/2016	7/6/2016	D	4.00	12.57	74,700	5,940
132773	7	6/30/2016	7/6/2016	D	4.00	12.57	81,300	6,470
132774	14	6/30/2016	7/13/2016	D	4.00	12.57	83,700	6,660
132775	14	6/30/2016	7/13/2016	D	4.00	12.57	79,580	6,330
132776	28	6/30/2016	7/27/2016					
132777	28	6/30/2016	7/27/2016					
132778	28	6/30/2016	7/27/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 28

Placement Information: Location: Pier A-4
 Placement Date: 6/29/2016 Quantity Placed (yd.³): 5.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 78 Air Content (%): 1.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132772	7	6/30/2016	7/6/2016	D	4.00	12.57	74,700	5,940
132773	7	6/30/2016	7/6/2016	D	4.00	12.57	81,300	6,470
132774	14	6/30/2016	7/13/2016	D	4.00	12.57	83,700	6,660
132775	14	6/30/2016	7/13/2016	D	4.00	12.57	79,580	6,330
132776	28	6/30/2016	7/27/2016	D	4.00	12.57	92,380	7,350
132777	28	6/30/2016	7/27/2016	D	4.00	12.57	88,680	7,060
132778	28	6/30/2016	7/27/2016	D	4.00	12.57	91,280	7,260

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A: B: C: D: E:

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
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*BS***Respectfully Submitted: City Design Group, Inc.**

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 28

Placement Information: Location: Pier A-4

Placement Date: 6/29/2016 Quantity Placed (yd.³): 5.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 78 Air Content (%): 1.5
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

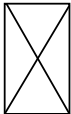
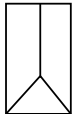
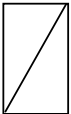
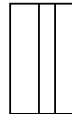
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132772	7	6/30/2016	7/6/2016	D	4.00	12.57	74,700	5,940
132773	7	6/30/2016	7/6/2016	D	4.00	12.57	81,300	6,470
132774	14	6/30/2016	7/13/2016					
132775	14	6/30/2016	7/13/2016					
132776	28	6/30/2016	7/27/2016					
132777	28	6/30/2016	7/27/2016					
132778	28	6/30/2016	7/27/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 29**Placement Information:** Location: Grade beam at A-1.6Placement Date: 6/30/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 76Air Content (%): 6.5Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132779	7	7/1/2016	7/7/2016	D	4.00	12.57	43,120	3,430
132780	7	7/1/2016	7/7/2016	D	4.00	12.57	43,280	3,440
132781	28	7/1/2016	7/28/2016	D	4.00	12.57	57,680	4,590
132782	28	7/1/2016	7/28/2016	D	4.00	12.57	58,320	4,640
132783	28	7/1/2016	7/28/2016	D	4.00	12.57	57,980	4,610

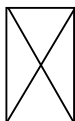
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

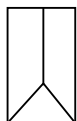
N/A - Not Applicable

Break Types:

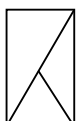
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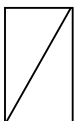
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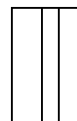
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 29**Placement Information:** Location: Grade beam at A-1.6Placement Date: 6/30/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 76Air Content (%): 6.5Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132779	7	7/1/2016	7/7/2016	D	4.00	12.57	43,120	3,430
132780	7	7/1/2016	7/7/2016	D	4.00	12.57	43,280	3,440
132781	28	7/1/2016	7/28/2016					
132782	28	7/1/2016	7/28/2016					
132783	28	7/1/2016	7/28/2016					

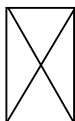
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

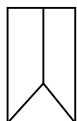
N/A - Not Applicable

Break Types:

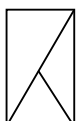
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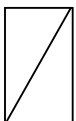
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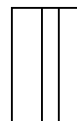
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 30**Placement Information:** Location: Grade beam at A.5-1.9Placement Date: 6/30/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 7.00 Slump2 (in.): 0.00Ambient Air Temp. (F°): 76Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132784	7	7/1/2016	7/7/2016	D	4.00	12.57	53,080	4,220
132785	7	7/1/2016	7/7/2016	D	4.00	12.57	50,440	4,010
132786	28	7/1/2016	7/28/2016	D	4.00	12.57	66,920	5,330
132787	28	7/1/2016	7/28/2016	D	4.00	12.57	68,560	5,460
132788	28	7/1/2016	7/28/2016	D	4.00	12.57	68,120	5,420

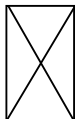
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

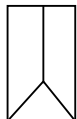
N/A - Not Applicable

Break Types:

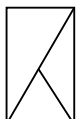
A:



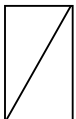
B:



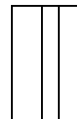
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 30**Placement Information:** Location: Grade beam at A.5-1.9Placement Date: 6/30/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 7.00 Slump2 (in.): 0.00Ambient Air Temp. (F°): 76Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

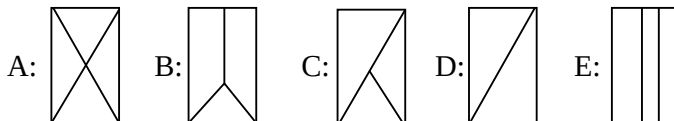
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132784	7	7/1/2016	7/7/2016	D	4.00	12.57	53,080	4,220
132785	7	7/1/2016	7/7/2016	D	4.00	12.57	50,440	4,010
132786	28	7/1/2016	7/28/2016					
132787	28	7/1/2016	7/28/2016					
132788	28	7/1/2016	7/28/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 31**Placement Information:** Location: Grade beam at A.2-2Placement Date: 6/30/2016Quantity Placed (yd.³): 79Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 76Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132789	7	7/1/2016	7/7/2016	D	4.00	12.57	48,840	3,890
132790	7	7/1/2016	7/7/2016	D	4.00	12.57	49,800	3,960
132791	28	7/1/2016	7/28/2016	D	4.00	12.57	61,600	4,900
132792	28	7/1/2016	7/28/2016	D	4.00	12.57	61,900	4,930
132793	28	7/1/2016	7/28/2016	D	4.00	12.57	63,240	5,030

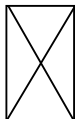
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

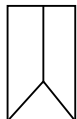
N/A - Not Applicable

Break Types:

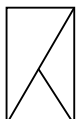
A:



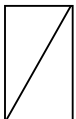
B:



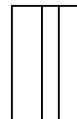
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 31**Placement Information:** Location: Grade beam at A.2-2Placement Date: 6/30/2016Quantity Placed (yd.³): 79Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 76Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132789	7	7/1/2016	7/7/2016	D	4.00	12.57	48,840	3,890
132790	7	7/1/2016	7/7/2016	D	4.00	12.57	49,800	3,960
132791	28	7/1/2016	7/28/2016					
132792	28	7/1/2016	7/28/2016					
132793	28	7/1/2016	7/28/2016					

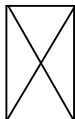
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

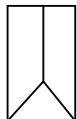
N/A - Not Applicable

Break Types:

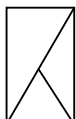
A:



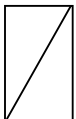
B:



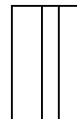
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 32**Placement Information:** Location: Wall 4.6, W-A.5 W to 20' north, bottom to 2' upPlacement Date: 7/1/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 5.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 76Air Content (%): 5.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

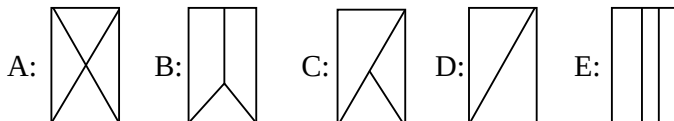
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132829	7	7/2/2016	7/8/2016	D	4.00	12.57	47,980	3,820
132830	7	7/2/2016	7/8/2016	D	4.00	12.57	47,840	3,810
132831	28	7/2/2016	7/29/2016	D	4.00	12.57	61,380	4,880
132832	28	7/2/2016	7/29/2016	D	4.00	12.57	61,600	4,900
132833	28	7/2/2016	7/29/2016	D	4.00	12.57	62,420	4,970

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 32**Placement Information:** Location: Wall 4.6, W-A.5 W to 20' north, bottom to 2' upPlacement Date: 7/1/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 5.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 76Air Content (%): 5.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132829	7	7/2/2016	7/8/2016	D	4.00	12.57	47,980	3,820
132830	7	7/2/2016	7/8/2016	D	4.00	12.57	47,840	3,810
132831	28	7/2/2016	7/29/2016					
132832	28	7/2/2016	7/29/2016					
132833	28	7/2/2016	7/29/2016					

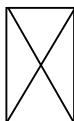
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

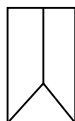
N/A - Not Applicable

Break Types:

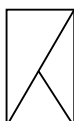
A:



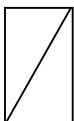
B:



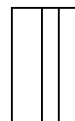
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 33**Placement Information:** Location: Wall 4.6, W-A.5 Z to A.5, 4' below top to strike offPlacement Date: 7/1/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 85Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 76Air Content (%): 5.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132834	7	7/2/2016	7/8/2016	D	4.00	12.57	46,120	3,670
132835	7	7/2/2016	7/8/2016	D	4.00	12.57	46,940	3,740
132836	28	7/2/2016	7/29/2016	D	4.00	12.57	61,600	4,900
132837	28	7/2/2016	7/29/2016	D	4.00	12.57	59,860	4,760
132838	28	7/2/2016	7/29/2016	D	4.00	12.57	61,920	4,930

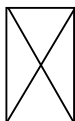
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

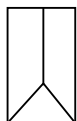
N/A - Not Applicable

Break Types:

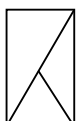
A:



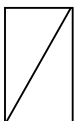
B:



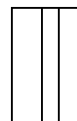
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 33**Placement Information:** Location: Wall 4.6, W-A.5 Z to A.5, 4' below top to strike offPlacement Date: 7/1/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 85Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 76Air Content (%): 5.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

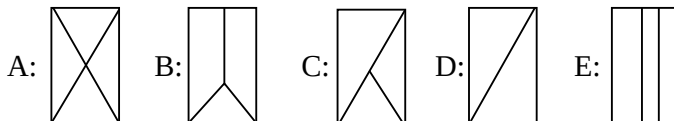
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132834	7	7/2/2016	7/8/2016	D	4.00	12.57	46,120	3,670
132835	7	7/2/2016	7/8/2016	D	4.00	12.57	46,940	3,740
132836	28	7/2/2016	7/29/2016					
132837	28	7/2/2016	7/29/2016					
132838	28	7/2/2016	7/29/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 34**Placement Information:** Location: Wall, 3 line, V-V.5, 0-10' upPlacement Date: 7/6/2016Quantity Placed (yd.³): 9.75Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 72Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132844	7	7/7/2016	7/13/2016	D	4.00	12.57	51,360	4,090
132845	7	7/7/2016	7/13/2016	D	4.00	12.57	50,360	4,010
132846	28	7/7/2016	8/3/2016	D	4.00	12.57	66,980	5,330
132847	28	7/7/2016	8/3/2016	D	4.00	12.57	65,020	5,170
132848	28	7/7/2016	8/3/2016	D	4.00	12.57	65,680	5,230

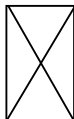
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

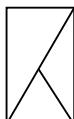
A:



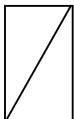
B:



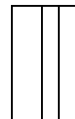
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 34**Placement Information:** Location: Wall, 3 line, V-V.5, 0-10' upPlacement Date: 7/6/2016Quantity Placed (yd.³): 9.75Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 72Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

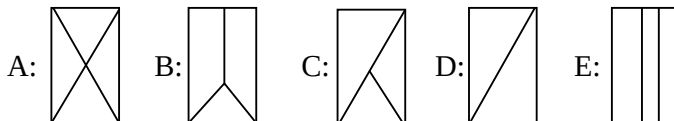
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132844	7	7/7/2016	7/13/2016	D	4.00	12.57	51,360	4,090
132845	7	7/7/2016	7/13/2016	D	4.00	12.57	50,360	4,010
132846	28	7/7/2016	8/3/2016					
132847	28	7/7/2016	8/3/2016					
132848	28	7/7/2016	8/3/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 35**Placement Information:** Location: Wall, V line, 3-4.6, 10-20' upPlacement Date: 7/6/2016Quantity Placed (yd.³): 29.5Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 83Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 73Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132849	7	7/7/2016	7/13/2016	D	4.00	12.57	52,760	4,200
132850	7	7/7/2016	7/13/2016	D	4.00	12.57	56,620	4,510
132851	28	7/7/2016	8/3/2016	D	4.00	12.57	70,860	5,640
132852	28	7/7/2016	8/3/2016	D	4.00	12.57	71,260	5,670
132853	28	7/7/2016	8/3/2016	D	4.00	12.57	69,360	5,520

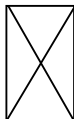
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

A:



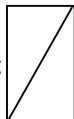
B:



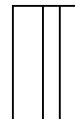
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 35**Placement Information:** Location: Wall, V line, 3-4.6, 10-20' upPlacement Date: 7/6/2016Quantity Placed (yd.³): 29.5Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 83Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 73Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132849	7	7/7/2016	7/13/2016	D	4.00	12.57	52,760	4,200
132850	7	7/7/2016	7/13/2016	D	4.00	12.57	56,620	4,510
132851	28	7/7/2016	8/3/2016					
132852	28	7/7/2016	8/3/2016					
132853	28	7/7/2016	8/3/2016					

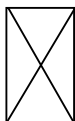
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

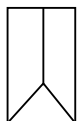
N/A - Not Applicable

Break Types:

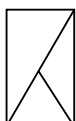
A:



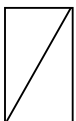
B:



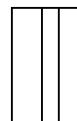
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 36**Placement Information:** Location: Pier cap/Grade beam at A.5-APlacement Date: 7/13/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRADesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 6.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

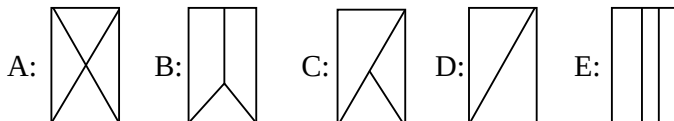
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132954	7	7/14/2016	7/20/2016	D	4.00	12.57	55,320	4,400
132955	7	7/14/2016	7/20/2016	D	4.00	12.57	55,860	4,450
132956	28	7/14/2016	8/10/2016	D	4.00	12.57	65,740	5,230
132957	28	7/14/2016	8/10/2016	D	4.00	12.57	56,500	4,500
132958	28	7/14/2016	8/10/2016	D	4.00	12.57	70,160	5,580

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 36**Placement Information:** Location: Pier cap/Grade beam at A.5-APlacement Date: 7/13/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRADesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 6.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

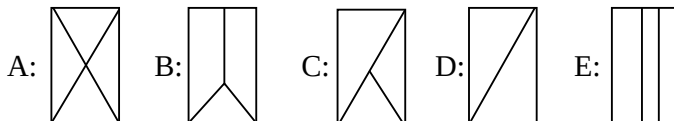
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132954	7	7/14/2016	7/20/2016	D	4.00	12.57	55,320	4,400
132955	7	7/14/2016	7/20/2016	D	4.00	12.57	55,860	4,450
132956	28	7/14/2016	8/10/2016					
132957	28	7/14/2016	8/10/2016					
132958	28	7/14/2016	8/10/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 37**Placement Information:** Location: Pier cap, grade beam at A.5, A-A.1Placement Date: 7/13/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 89Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 88Air Content (%): 6.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132959	7	7/14/2016	7/20/2016	D	4.00	12.57	42,180	3,360
132960	7	7/14/2016	7/20/2016	D	4.00	12.57	43,580	3,470
132961	28	7/14/2016	8/10/2016	D	4.00	12.57	55,940	4,450
132962	28	7/14/2016	8/10/2016	D	4.00	12.57	64,440	5,130
132963	28	7/14/2016	8/10/2016	D	4.00	12.57	52,320	4,160

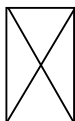
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

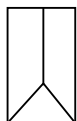
N/A - Not Applicable

Break Types:

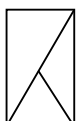
A:



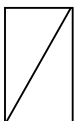
B:



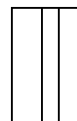
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 37**Placement Information:** Location: Pier cap, grade beam at A.5, A-A.1Placement Date: 7/13/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 89Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 88Air Content (%): 6.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132959	7	7/14/2016	7/20/2016	D	4.00	12.57	42,180	3,360
132960	7	7/14/2016	7/20/2016	D	4.00	12.57	43,580	3,470
132961	28	7/14/2016	8/10/2016					
132962	28	7/14/2016	8/10/2016					
132963	28	7/14/2016	8/10/2016					

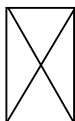
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

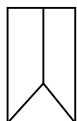
N/A - Not Applicable

Break Types:

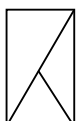
A:



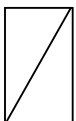
B:



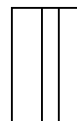
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 38**Placement Information:** Location: Pier cap/Grade beam at B.3-2.6Placement Date: 7/13/2016Quantity Placed (yd.³): 80Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 93Air Content (%): 6.0Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132964	7	7/14/2016	7/20/2016	D	4.00	12.57	58,200	4,630
132965	7	7/14/2016	7/20/2016	D	4.00	12.57	56,380	4,490
132966	28	7/14/2016	8/10/2016	D	4.00	12.57	63,380	5,040
132967	28	7/14/2016	8/10/2016	D	4.00	12.57	63,800	5,080
132968	28	7/14/2016	8/10/2016	D	4.00	12.57	65,740	5,230

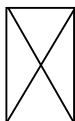
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

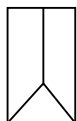
N/A - Not Applicable

Break Types:

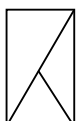
A:



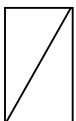
B:



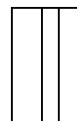
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 38**Placement Information:** Location: Pier cap/Grade beam at B.3-2.6Placement Date: 7/13/2016Quantity Placed (yd.³): 80Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 93Air Content (%): 6.0Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132964	7	7/14/2016	7/20/2016	D	4.00	12.57	58,200	4,630
132965	7	7/14/2016	7/20/2016	D	4.00	12.57	56,380	4,490
132966	28	7/14/2016	8/10/2016					
132967	28	7/14/2016	8/10/2016					
132968	28	7/14/2016	8/10/2016					

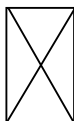
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

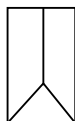
N/A - Not Applicable

Break Types:

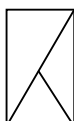
A:



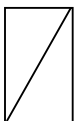
B:



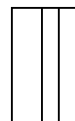
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 39

Placement Information: Location: Piers E8, D6, D5

Placement Date: 7/18/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 92 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

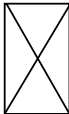
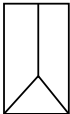
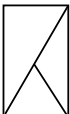
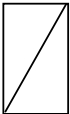
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133008	7	7/19/2016	7/25/2016	D	4.00	12.57	63,240	5,030
133009	7	7/19/2016	7/25/2016	D	4.00	12.57	68,180	5,430
133010	14	7/19/2016	8/1/2016	D	4.00	12.57	74,000	5,890
133011	14	7/19/2016	8/1/2016	D	4.00	12.57	74,740	5,950
133012	28	7/19/2016	8/15/2016					
133013	28	7/19/2016	8/15/2016					
133014	28	7/19/2016	8/15/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405
 St. Louis, MO 63103
 O 314.241.9072 ·

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 39

Placement Information: Location: Piers E8, D6, D5

Placement Date: 7/18/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 92 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

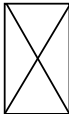
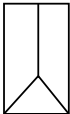
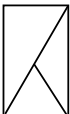
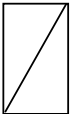
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133008	7	7/19/2016	7/25/2016	D	4.00	12.57	63,240	5,030
133009	7	7/19/2016	7/25/2016	D	4.00	12.57	68,180	5,430
133010	14	7/19/2016	8/1/2016					
133011	14	7/19/2016	8/1/2016					
133012	28	7/19/2016	8/15/2016					
133013	28	7/19/2016	8/15/2016					
133014	28	7/19/2016	8/15/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 40**Placement Information:** Location: Wall at A line - 1.9 to 1.6, 0'-5' up, level 1 to 2Placement Date: 7/18/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 94Air Content (%): 5.8Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133015	7	7/19/2016	7/25/2016	D	4.00	12.57	44,880	3,570
133016	7	7/19/2016	7/25/2016	D	4.00	12.57	44,360	3,530
133017	28	7/19/2016	8/15/2016					
133018	28	7/19/2016	8/15/2016					
133019	28	7/19/2016	8/15/2016					

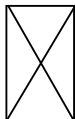
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

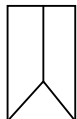
N/A - Not Applicable

Break Types:

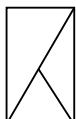
A:



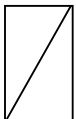
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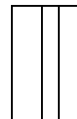
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 41**Placement Information:** Location: Wall 1.6 line A-A.1, 10'-15' up, level 1 to 2Placement Date: 7/18/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 89Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 95Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133020	7	7/19/2016	7/25/2016	D	4.00	12.57	45,540	3,620
133021	7	7/19/2016	7/25/2016	D	4.00	12.57	46,420	3,690
133022	28	7/19/2016	8/15/2016					
133023	28	7/19/2016	8/15/2016					
133024	28	7/19/2016	8/15/2016					

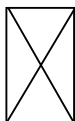
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

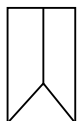
N/A - Not Applicable

Break Types:

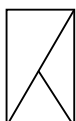
A:



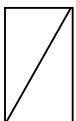
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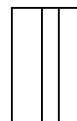
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 42

Placement Information: Location: Piers E.5 -6; E.5-8; E-6

Placement Date: 7/19/2016 Quantity Placed (yd.³): 6.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 6.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 96 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

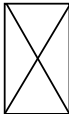
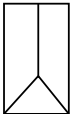
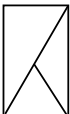
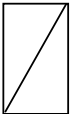
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132986	7	7/20/2016	7/26/2016	D	4.00	12.57	81,240	6,460
132987	7	7/20/2016	7/26/2016	D	4.00	12.57	78,580	6,250
132988	14	7/20/2016	8/2/2016					
132989	14	7/20/2016	8/2/2016					
132990	28	7/20/2016	8/16/2016					
132991	28	7/20/2016	8/16/2016					
132992	28	7/20/2016	8/16/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

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 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 42

Placement Information: Location: Piers E.5 -6; E.5-8; E-6

Placement Date: 7/19/2016 Quantity Placed (yd.³): 6.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 6.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 96 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

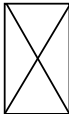
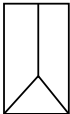
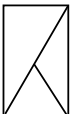
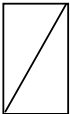
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
132986	7	7/20/2016	7/26/2016	D	4.00	12.57	81,240	6,460
132987	7	7/20/2016	7/26/2016	D	4.00	12.57	78,580	6,250
132988	14	7/20/2016	8/2/2016	D	4.00	12.57	86,800	6,910
132989	14	7/20/2016	8/2/2016	D	4.00	12.57	85,700	6,820
132990	28	7/20/2016	8/16/2016					
132991	28	7/20/2016	8/16/2016					
132992	28	7/20/2016	8/16/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

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Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 42

Placement Information: Location: Piers E.5 -6; E.5-8; E-6

Placement Date: 7/19/2016 Quantity Placed (yd.³): 6.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 87 Slump1(in.): 6.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 96 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

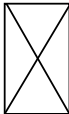
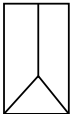
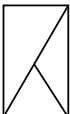
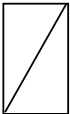
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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132987	7	7/20/2016	7/26/2016	D	4.00	12.57	78,580	6,250
132988	14	7/20/2016	8/2/2016					
132989	14	7/20/2016	8/2/2016					
132990	28	7/20/2016	8/16/2016					
132991	28	7/20/2016	8/16/2016					
132992	28	7/20/2016	8/16/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: _____

Placement Information: Location: Piers E-7, D-7

Placement Date: 7/20/2016 Quantity Placed (yd.³): 14.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 85 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 92 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

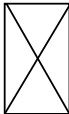
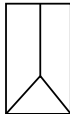
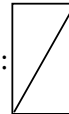
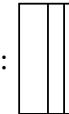
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133035	7	7/21/2016	7/27/2016	D	4.00	12.57	67,960	5,410
133036	7	7/21/2016	7/27/2016	D	4.00	12.57	65,020	5,170
133037	14	7/21/2016	8/3/2016	D	4.00	12.57	76,240	6,070
133038	14	7/21/2016	8/3/2016	D	4.00	12.57	69,670	5,540
133039	28	7/21/2016	8/17/2016	D	4.00	12.57	74,220	5,910
133040	28	7/21/2016	8/17/2016	D	4.00	12.57	74,320	5,910
133041	28	7/21/2016	8/17/2016	D	4.00	12.57	74,540	5,930

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405
 St. Louis, MO 63103
 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: _____

Placement Information: Location: Piers E-7, D-7

Placement Date: 7/20/2016 Quantity Placed (yd.³): 14.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 85 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 92 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

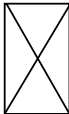
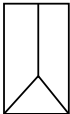
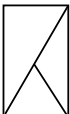
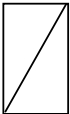
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133035	7	7/21/2016	7/27/2016	D	4.00	12.57	67,960	5,410
133036	7	7/21/2016	7/27/2016	D	4.00	12.57	65,020	5,170
133037	14	7/21/2016	8/3/2016					
133038	14	7/21/2016	8/3/2016					
133039	28	7/21/2016	8/17/2016					
133040	28	7/21/2016	8/17/2016					
133041	28	7/21/2016	8/17/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: _____

Placement Information: Location: Piers E-7, D-7

Placement Date: 7/20/2016 Quantity Placed (yd.³): 14.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 85 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 92 Air Content (%): 2.0
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

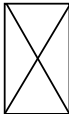
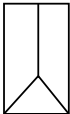
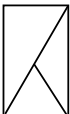
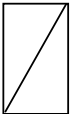
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133035	7	7/21/2016	7/27/2016	D	4.00	12.57	67,960	5,410
133036	7	7/21/2016	7/27/2016	D	4.00	12.57	65,020	5,170
133037	14	7/21/2016	8/3/2016	D	4.00	12.57	76,240	6,070
133038	14	7/21/2016	8/3/2016	D	4.00	12.57	69,670	5,540
133039	28	7/21/2016	8/17/2016					
133040	28	7/21/2016	8/17/2016					
133041	28	7/21/2016	8/17/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 43

Placement Information: Location: Pier C-1.6

Placement Date: 7/21/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 6.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 99 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

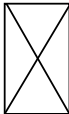
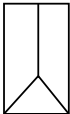
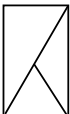
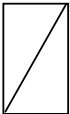
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133063	7	7/22/2016	7/28/2016	D	4.00	12.57	80,580	6,410
133064	7	7/22/2016	7/28/2016	D	4.00	12.57	81,420	6,480
133065	14	7/22/2016	8/4/2016	D	4.00	12.57	86,440	6,880
133066	14	7/22/2016	8/4/2016	D	4.00	12.57	87,360	6,950
133067	28	7/22/2016	8/18/2016					
133068	28	7/22/2016	8/18/2016					
133069	28	7/22/2016	8/18/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

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 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 43

Placement Information: Location: Pier C-1.6

Placement Date: 7/21/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 6.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 99 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

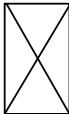
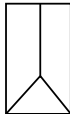
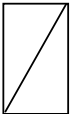
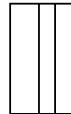
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133063	7	7/22/2016	7/28/2016	D	4.00	12.57	80,580	6,410
133064	7	7/22/2016	7/28/2016	D	4.00	12.57	81,420	6,480
133065	14	7/22/2016	8/4/2016	D	4.00	12.57	86,440	6,880
133066	14	7/22/2016	8/4/2016	D	4.00	12.57	87,360	6,950
133067	28	7/22/2016	8/18/2016	D	4.00	12.57	91,400	7,270
133068	28	7/22/2016	8/18/2016	D	4.00	12.57	90,800	7,230
133069	28	7/22/2016	8/18/2016	D	4.00	12.57	90,400	7,190

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405
 St. Louis, MO 63103
 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 43

Placement Information: Location: Pier C-1.6

Placement Date: 7/21/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 6.75 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 99 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

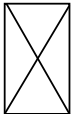
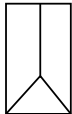
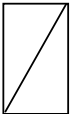
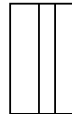
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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133064	7	7/22/2016	7/28/2016	D	4.00	12.57	81,420	6,480
133065	14	7/22/2016	8/4/2016					
133066	14	7/22/2016	8/4/2016					
133067	28	7/22/2016	8/18/2016					
133068	28	7/22/2016	8/18/2016					
133069	28	7/22/2016	8/18/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 44**Placement Information:** Location: Pier C-2Placement Date: 7/22/2016Quantity Placed (yd.³): 5Mix Design Number: 50FNDSR3Design Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 84Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 85Air Content (%): 1.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133076	7	7/23/2016	7/29/2016	D	4.00	12.57	78,880	6,280
133077	7	7/23/2016	7/29/2016	D	4.00	12.57	80,100	6,370
133080	28	7/23/2016	8/19/2016	D	4.00	12.57	97,520	7,760
133081	28	7/23/2016	8/19/2016	D	4.00	12.57	89,480	7,120
133082	28	7/23/2016	8/19/2016	D	4.00	12.57	88,700	7,060

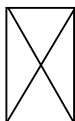
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

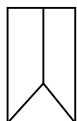
N/A - Not Applicable

Break Types:

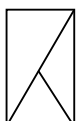
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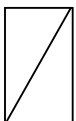
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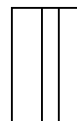
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405
 St. Louis, MO 63103
 O 314.241.9072 ·

esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 49

Placement Information: Location: Pier C.3-2

Placement Date: 7/25/2016 Quantity Placed (yd.³): 7.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 84 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 80 Air Content (%): 1.8
 Supplier: _____ Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

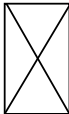
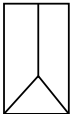
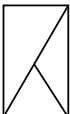
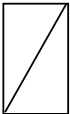
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133111	7	7/26/2016	8/1/2016	D	4.00	12.57	80,320	6,390
133112	7	7/26/2016	8/1/2016	D	4.00	12.57	79,920	6,360
133113	14	7/26/2016	8/8/2016	D	4.00	12.57	90,920	7,240
133114	14	7/26/2016	8/8/2016	D	4.00	12.57	88,580	7,050
133115	28	7/26/2016	8/22/2016					
133116	28	7/26/2016	8/22/2016					
133117	28	7/26/2016	8/22/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 49

Placement Information: Location: Pier C.3-2

Placement Date: 7/25/2016 Quantity Placed (yd.³): 7.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 84 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 80 Air Content (%): 1.8
 Supplier: _____ Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

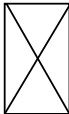
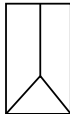
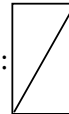
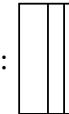
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133111	7	7/26/2016	8/1/2016	D	4.00	12.57	80,320	6,390
133112	7	7/26/2016	8/1/2016	D	4.00	12.57	79,920	6,360
133113	14	7/26/2016	8/8/2016	D	4.00	12.57	90,920	7,240
133114	14	7/26/2016	8/8/2016	D	4.00	12.57	88,580	7,050
133115	28	7/26/2016	8/22/2016	D	4.00	12.57	99,200	7,890
133116	28	7/26/2016	8/22/2016	D	4.00	12.57	93,140	7,410
133117	28	7/26/2016	8/22/2016	D	4.00	12.57	92,920	7,390

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 49

Placement Information: Location: Pier C.3-2

Placement Date: 7/25/2016 Quantity Placed (yd.³): 7.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 84 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 80 Air Content (%): 1.8
 Supplier: _____ Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

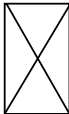
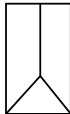
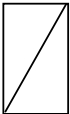
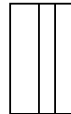
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133111	7	7/26/2016	8/1/2016	D	4.00	12.57	80,320	6,390
133112	7	7/26/2016	8/1/2016	D	4.00	12.57	79,920	6,360
133113	14	7/26/2016	8/8/2016					
133114	14	7/26/2016	8/8/2016					
133115	28	7/26/2016	8/22/2016					
133116	28	7/26/2016	8/22/2016					
133117	28	7/26/2016	8/22/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MO

CDG Report No.: _____

Placement Information: Location: Grade beam at E.5-8Placement Date: 7/26/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 90Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 88Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133132	7	7/27/2016	8/2/2016	D	4.00	12.57	58,960	4,690
133133	7	7/27/2016	8/2/2016	D	4.00	12.57	57,040	4,540
133134	28	7/27/2016	8/23/2016	D	4.00	12.57	62,620	4,980
133135	28	7/27/2016	8/23/2016	D	4.00	12.57	64,560	5,140
133136	28	7/27/2016	8/23/2016	D	4.00	12.57	63,980	5,090

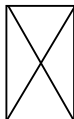
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

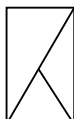
A:



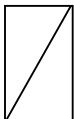
B:



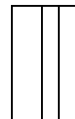
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MO

CDG Report No.: _____

Placement Information: Location: Grade beam at E.5-8Placement Date: 7/26/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 90Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 88Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133132	7	7/27/2016	8/2/2016	D	4.00	12.57	58,960	4,690
133133	7	7/27/2016	8/2/2016	D	4.00	12.57	57,040	4,540
133134	28	7/27/2016	8/23/2016					
133135	28	7/27/2016	8/23/2016					
133136	28	7/27/2016	8/23/2016					

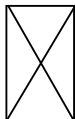
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

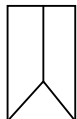
N/A - Not Applicable

Break Types:

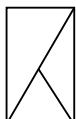
A:



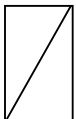
B:



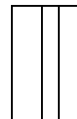
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

City Design Group, Inc.

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 48

Placement Information: Location: Piers B.3-6; B.3-7

Placement Date: 7/27/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 91 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 91 Air Content (%): 1.6
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

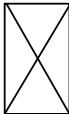
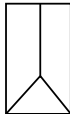
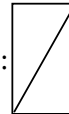
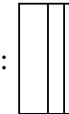
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133154	7	7/28/2016	8/3/2016	D	4.00	12.57	82,560	6,570
133155	7	7/28/2016	8/3/2016	D	4.00	12.57	84,980	6,760
133156	14	7/28/2016	8/10/2016	D	4.00	12.57	89,060	7,090
133157	14	7/28/2016	8/10/2016	D	4.00	12.57	84,040	6,690
133158	28	7/28/2016	8/24/2016	D	4.00	12.57	98,140	7,810
133159	29	7/28/2016	8/25/2016	D	4.00	12.57	98,440	7,830
133160	30	7/28/2016	8/26/2016	D	4.00	12.57	97,940	7,790

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 53

Placement Information: Location: Pier C.3-3

Placement Date: 7/26/2016 Quantity Placed (yd.³): 6.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 88 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 1.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

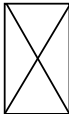
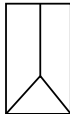
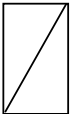
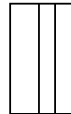
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133125	7	7/27/2016	8/2/2016	D	4.00	12.57	72,820	5,790
133126	7	7/27/2016	8/2/2016	D	4.00	12.57	71,740	5,710
133127	14	7/27/2016	8/9/2016	D	4.00	12.57	76,010	6,050
133128	14	7/27/2016	8/9/2016	D	4.00	12.57	76,020	6,050
133129	28	7/27/2016	8/23/2016					
133130	28	7/27/2016	8/23/2016					
133131	28	7/27/2016	8/23/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 53

Placement Information: Location: Pier C.3-3

Placement Date: 7/26/2016 Quantity Placed (yd.³): 6.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 88 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 1.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

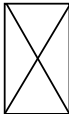
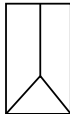
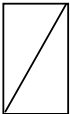
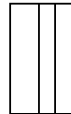
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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133126	7	7/27/2016	8/2/2016	D	4.00	12.57	71,740	5,710
133127	14	7/27/2016	8/9/2016	D	4.00	12.57	76,010	6,050
133128	14	7/27/2016	8/9/2016	D	4.00	12.57	76,020	6,050
133129	28	7/27/2016	8/23/2016	D	4.00	12.57	80,280	6,390
133130	28	7/27/2016	8/23/2016	D	4.00	12.57	79,360	6,320
133131	28	7/27/2016	8/23/2016	D	4.00	12.57	81,920	6,520

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 53

Placement Information: Location: Pier C.3-3

Placement Date: 7/26/2016 Quantity Placed (yd.³): 6.5
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 88 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 1.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

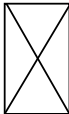
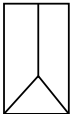
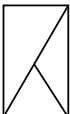
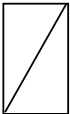
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133125	7	7/27/2016	8/2/2016	D	4.00	12.57	72,820	5,790
133126	7	7/27/2016	8/2/2016	D	4.00	12.57	71,740	5,710
133127	14	7/27/2016	8/9/2016					
133128	14	7/27/2016	8/9/2016					
133129	28	7/27/2016	8/23/2016					
133130	28	7/27/2016	8/23/2016					
133131	28	7/27/2016	8/23/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 46**Placement Information:** Location: Grade beam at E-7.3Placement Date: 7/27/2016Quantity Placed (yd.³): 9Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 81Slump1(in.): 7.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 87Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133144	7	7/28/2016	8/3/2016	D	4.00	12.57	57,640	4,590
133145	7	7/28/2016	8/3/2016	D	4.00	12.57	57,740	4,590
133146	28	7/28/2016	8/24/2016	D	4.00	12.57	61,220	4,870
133147	28	7/28/2016	8/24/2016	D	4.00	12.57	68,260	5,430
133148	28	7/28/2016	8/24/2016	D	4.00	12.57	64,720	5,150

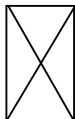
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

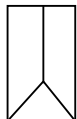
N/A - Not Applicable

Break Types:

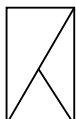
A:



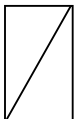
B:



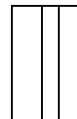
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 46**Placement Information:** Location: Grade beam at E-7.3Placement Date: 7/27/2016Quantity Placed (yd.³): 9Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 81Slump1(in.): 7.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 87Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133144	7	7/28/2016	8/3/2016	D	4.00	12.57	57,640	4,590
133145	7	7/28/2016	8/3/2016	D	4.00	12.57	57,740	4,590
133146	28	7/28/2016	8/24/2016					
133147	28	7/28/2016	8/24/2016					
133148	28	7/28/2016	8/24/2016					

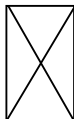
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

A:



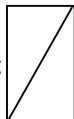
B:



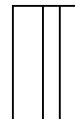
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 47**Placement Information:** Location: Grade beam at D.5-6Placement Date: 7/27/2016Quantity Placed (yd.³): 27Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 90Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 90Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133149	7	7/28/2016	8/3/2016	D	4.00	12.57	61,320	4,880
133150	7	7/28/2016	8/3/2016	D	4.00	12.57	57,820	4,600
133151	28	7/28/2016	8/24/2016	D	4.00	12.57	72,740	5790
133152	28	7/28/2016	8/24/2016	D	4.00	12.57	70,200	5580
133153	28	7/28/2016	8/24/2016	D	4.00	12.57	70,280	5590

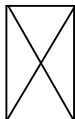
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

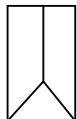
N/A - Not Applicable

Break Types:

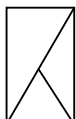
A:



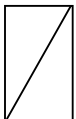
B:



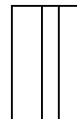
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 47**Placement Information:** Location: Grade beam at D.5-6Placement Date: 7/27/2016Quantity Placed (yd.³): 27Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 90Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 90Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133149	7	7/28/2016	8/3/2016	D	4.00	12.57	61,320	4,880
133150	7	7/28/2016	8/3/2016	D	4.00	12.57	57,820	4,600
133151	28	7/28/2016	8/24/2016					
133152	28	7/28/2016	8/24/2016					
133153	28	7/28/2016	8/24/2016					

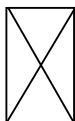
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

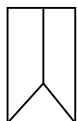
N/A - Not Applicable

Break Types:

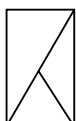
A:



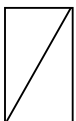
B:



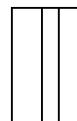
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 48**Placement Information:** Location: Piers B.3-6; B.3-7Placement Date: 7/27/2016Quantity Placed (yd.³): 10Mix Design Number: 50FNDSR3Design Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 91Air Content (%): 1.6Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

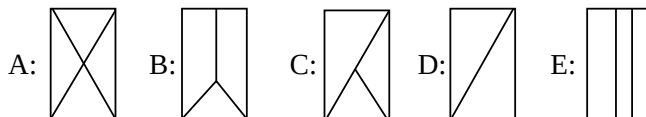
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133154	7	7/28/2016	8/3/2016	D	4.00	12.57	82,560	6,570
133155	7	7/28/2016	8/3/2016	D	4.00	12.57	84,980	6,760
133156	14	7/28/2016	8/10/2016	D	4.00	12.57	89,060	7,090
133157	14	7/28/2016	8/10/2016	D	4.00	12.57	84,040	6,690
133158	28	7/28/2016	8/24/2016					
133159	29	7/28/2016	8/25/2016					
133160	30	7/28/2016	8/26/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

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Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133154	7	7/28/2016	8/3/2016	D	4.00	12.57	82,560	6,570
133155	7	7/28/2016	8/3/2016	D	4.00	12.57	84,980	6,760
133156	28	7/28/2016	8/24/2016					
133157	28	7/28/2016	8/24/2016					
133158	28	7/28/2016	8/24/2016					

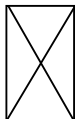
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

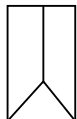
N/A - Not Applicable

Break Types:

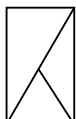
A:



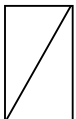
B:



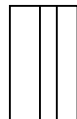
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 50**Placement Information:** Location: Grade beam at D-7.2Placement Date: 7/29/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 88Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 84Air Content (%): 5.8Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133161	7	7/30/2016	8/5/2016	D	4.00	12.57	54,700	4,350
133162	7	7/30/2016	8/5/2016	D	4.00	12.57	62,360	4,960
133163	28	7/30/2016	8/26/2016	D	4.00	12.57	69,920	5,560
133164	28	7/30/2016	8/26/2016	D	4.00	12.57	65,200	5,190
133165	28	7/30/2016	8/26/2016	D	4.00	12.57	66,960	5,330

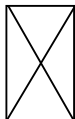
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

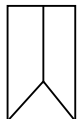
N/A - Not Applicable

Break Types:

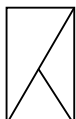
A:



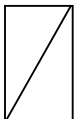
B:



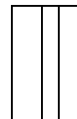
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

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Other Cementitious:			
Coarse Aggregate:			
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Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
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Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133161	7	7/30/2016	8/5/2016	D	4.00	12.57	54,700	4,350
133162	7	7/30/2016	8/5/2016	D	4.00	12.57	62,360	4,960
133163	28	7/30/2016	8/26/2016	D	4.00	12.57	60,180	4,790
133164	28	7/30/2016	8/26/2016					
133165	28	7/30/2016	8/26/2016					

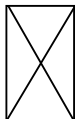
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

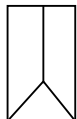
N/A - Not Applicable

Break Types:

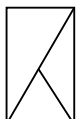
A:



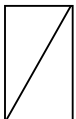
B:



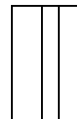
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 51**Placement Information:** Location: Grade beam at 8-D.8Placement Date: 7/29/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 88Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 90Air Content (%): 5.5Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133166	7	7/30/2016	8/5/2016	D	4.00	12.57	57,500	4,580
133167	7	7/30/2016	8/5/2016	D	4.00	12.57	57,380	4,570
133168	28	7/30/2016	8/26/2016	D	4.00	12.57	69,100	5,500
133169	28	7/30/2016	8/26/2016	D	4.00	12.57	75,340	6,000
133170	28	7/30/2016	8/26/2016	D	4.00	12.57	74,900	5,960

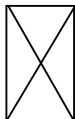
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

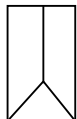
N/A - Not Applicable

Break Types:

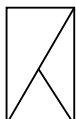
A:



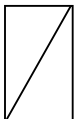
B:



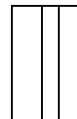
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 51**Placement Information:** Location: Grade beam at 8-D.8Placement Date: 7/29/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 88Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 90Air Content (%): 5.5Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133166	7	7/30/2016	8/5/2016	D	4.00	12.57	57,500	4,580
133167	7	7/30/2016	8/5/2016	D	4.00	12.57	57,380	4,570
133168	28	7/30/2016	8/26/2016					
133169	28	7/30/2016	8/26/2016					
133170	28	7/30/2016	8/26/2016					

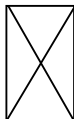
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

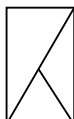
A:



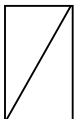
B:



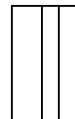
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405
 St. Louis, MO 63103
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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 52

Placement Information: Location: Piers C-6; C-7; 8.5-5.5

Placement Date: 7/29/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 88 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 90 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133171	7	7/30/2016	8/5/2016	D	4.00	12.57	63,340	5,040
133172	7	7/30/2016	8/5/2016	D	4.00	12.57	62,040	4,940
133173	14	7/30/2016	8/12/2016	D	4.00	12.57	64,880	5,160
133174	14	7/30/2016	8/12/2016	D	4.00	12.57	64,340	5,120
133175	28	7/30/2016	8/26/2016					
133176	28	7/30/2016	8/26/2016					
133177	28	7/30/2016	8/26/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A: B: C: D: E:
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 52**Placement Information:** Location: Piers C-6; C-7; 8.5-5.5Placement Date: 7/29/2016Quantity Placed (yd.³): 10Mix Design Number: 50FNDSR3Design Strength (psi): 5000 @ 28-DaysConcrete Temp. (F°): 88Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 90Air Content (%): 1.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

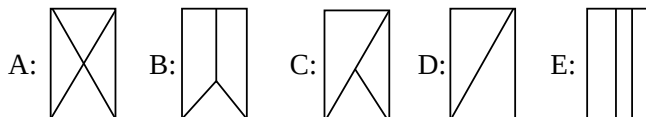
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133171	7	7/30/2016	8/5/2016	D	4.00	12.57	63,340	5,040
133172	7	7/30/2016	8/5/2016	D	4.00	12.57	62,040	4,940
133173	14	7/30/2016	8/12/2016	D	4.00	12.57	64,880	5,160
133174	14	7/30/2016	8/12/2016	D	4.00	12.57	64,340	5,120
133175	28	7/30/2016	8/26/2016	D	4.00	12.57	74,820	5,950
133176	28	7/30/2016	8/26/2016	D	4.00	12.57	70,680	5,620
133177	28	7/30/2016	8/26/2016	D	4.00	12.57	75,300	5,990

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 52

Placement Information: Location: Piers C-6; C-7; 8.5-5.5

Placement Date: 7/29/2016 Quantity Placed (yd.³): 10
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 88 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 90 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

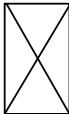
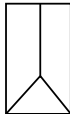
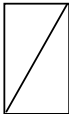
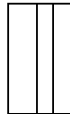
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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133172	7	7/30/2016	8/5/2016	D	4.00	12.57	62,040	4,940
133173	14	7/30/2016	8/12/2016					
133174	14	7/30/2016	8/12/2016					
133175	28	7/30/2016	8/26/2016					
133176	28	7/30/2016	8/26/2016					
133177	28	7/30/2016	8/26/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 55

Placement Information: Location: Pier C.3-5

Placement Date: 8/3/2016 Quantity Placed (yd.³): 4
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 4.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 79 Air Content (%): 1.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

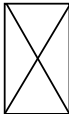
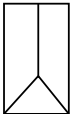
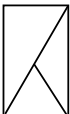
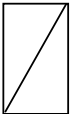
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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133184	7	8/4/2016	8/10/2016	D	4.00	12.57	91,920	7,310
133185	14	8/4/2016	8/17/2016					
133186	14	8/4/2016	8/17/2016					
133187	28	8/4/2016	8/31/2016					
133188	28	8/4/2016	8/31/2016					
133189	28	8/4/2016	8/31/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 55

Placement Information: Location: Pier C.3-5

Placement Date: 8/3/2016 Quantity Placed (yd.³): 4
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 4.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 79 Air Content (%): 1.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

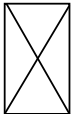
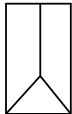
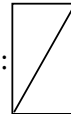
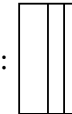
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133183	7	8/4/2016	8/10/2016	D	4.00	12.57	94,420	7,510
133184	7	8/4/2016	8/10/2016	D	4.00	12.57	91,920	7,310
133185	14	8/4/2016	8/17/2016					
133186	14	8/4/2016	8/17/2016					
133187	28	8/4/2016	8/31/2016					
133188	28	8/4/2016	8/31/2016					
133189	28	8/4/2016	8/31/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 55

Placement Information: Location: Pier C.3-5

Placement Date: 8/3/2016 Quantity Placed (yd.³): 4
 Mix Design Number: 50FNDSR3 Design Strength (psi): 5000 @ 28-Days
 Concrete Temp. (F°): 90 Slump1(in.): 4.50 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 79 Air Content (%): 1.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

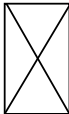
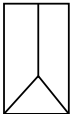
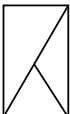
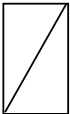
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133183	7	8/4/2016	8/10/2016	D	4.00	12.57	94,420	7,510
133184	7	8/4/2016	8/10/2016	D	4.00	12.57	91,920	7,310
133185	14	8/4/2016	8/17/2016					
133186	14	8/4/2016	8/17/2016					
133187	28	8/4/2016	8/31/2016					
133188	28	8/4/2016	8/31/2016					
133189	28	8/4/2016	8/31/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

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City Design Group, Inc.

115 Branch Street

St. Louis, MO 63147

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 56**Placement Information:** Location: Wall Sequence 1, level 0-1Placement Date: 8/3/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSR3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 90Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 85Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133190	7	8/4/2016	8/10/2016	D	4.00	12.57	66,980	5,330
133191	7	8/4/2016	8/10/2016	D	4.00	12.57	63,960	5,090
133192	28	8/4/2016	8/31/2016	D	4.00	12.57	78,420	6,240
133193	28	8/4/2016	8/31/2016	D	4.00	12.57	82,820	6,590
133194	28	8/4/2016	8/31/2016	D	4.00	12.57	83,520	6,650

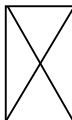
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

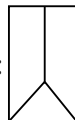
N/A - Not Applicable

Break Types:

A:



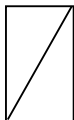
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

City Design Group, Inc.

115 Branch Street

St. Louis, MO 63147

O 314.241.9072 · F 314.241.3870

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 56**Placement Information:** Location: Wall Sequence 1, level 0-1Placement Date: 8/3/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSR3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 90Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 85Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133190	7	8/4/2016	8/10/2016	D	4.00	12.57	66,980	5,330
133191	7	8/4/2016	8/10/2016	D	4.00	12.57	63,960	5,090
133192	28	8/4/2016	8/31/2016					
133193	28	8/4/2016	8/31/2016					
133194	28	8/4/2016	8/31/2016					

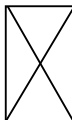
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

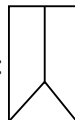
N/A - Not Applicable

Break Types:

A:



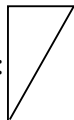
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 57**Placement Information:** Location: Wall sequence 2. level 0-1Placement Date: 8/5/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 84Slump1(in.): 7.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 84Air Content (%): 6.8Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

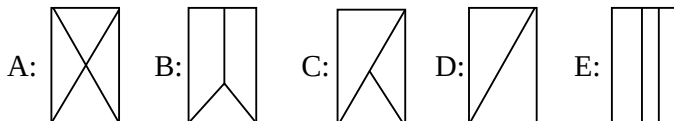
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133219	7	8/6/2016	8/12/2016	D	4.00	12.57	57,060	4,540
133220	7	8/6/2016	8/12/2016	D	4.00	12.57	56,480	4,490
133221	28	8/6/2016	9/2/2016	D	4.00	12.57	68,380	5,440
133222	28	8/6/2016	9/2/2016	D	4.00	12.57	66,840	5,320
133223	28	8/6/2016	9/2/2016	D	4.00	12.57	71,560	5,690

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 57**Placement Information:** Location: Wall sequence 2. level 0-1Placement Date: 8/5/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 84Slump1(in.): 7.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 84Air Content (%): 6.8Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133219	7	8/6/2016	8/12/2016	D	4.00	12.57	57,060	4,540
133220	7	8/6/2016	8/12/2016	D	4.00	12.57	56,480	4,490
133221	28	8/6/2016	9/2/2016					
133222	28	8/6/2016	9/2/2016					
133223	28	8/6/2016	9/2/2016					

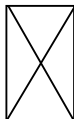
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

A:



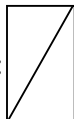
B:



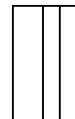
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

115 Branch Street

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 58**Placement Information:** Location: Wall sequence 2. level 0-1Placement Date: 8/5/2016Quantity Placed (yd.³): 40Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 85Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 85Air Content (%): 6.6Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133224	7	8/6/2016	8/12/2016	D	4.00	12.57	56,080	4,460
133225	7	8/6/2016	8/12/2016	D	4.00	12.57	56,160	4,470
133226	28	8/6/2016	9/2/2016	D	4.00	12.57	65,540	5,220
133227	28	8/6/2016	9/2/2016	D	4.00	12.57	66,060	5,260
133228	28	8/6/2016	9/2/2016	D	4.00	12.57	62,300	4,960

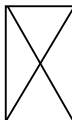
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

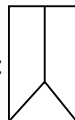
N/A - Not Applicable

Break Types:

A:



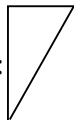
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 58**Placement Information:** Location: Wall sequence 2. level 0-1Placement Date: 8/5/2016Quantity Placed (yd.³): 40Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 85Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 85Air Content (%): 6.6Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133224	7	8/6/2016	8/12/2016	D	4.00	12.57	56,080	4,460
133225	7	8/6/2016	8/12/2016	D	4.00	12.57	56,160	4,470
133226	28	8/6/2016	9/2/2016					
133227	28	8/6/2016	9/2/2016					
133228	28	8/6/2016	9/2/2016					

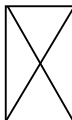
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

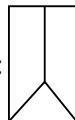
N/A - Not Applicable

Break Types:

A:



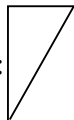
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

City Design Group, Inc.

115 Branch Street

St. Louis, MO 63147

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 59**Placement Information:** Location: Wall sequence 2. level 0-1Placement Date: 8/5/2016Quantity Placed (yd.³): 80Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 90Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 87Air Content (%): 6.3Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133229	7	8/6/2016	8/12/2016	D	4.00	12.57	64,660	5,150
133230	7	8/6/2016	8/12/2016	D	4.00	12.57	66,080	5,260
133231	28	8/6/2016	9/2/2016	D	4.00	12.57	73,180	5,820
133232	28	8/6/2016	9/2/2016	D	4.00	12.57	71,400	5,680
133233	28	8/6/2016	9/2/2016	D	4.00	12.57	72,360	5,760

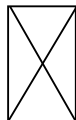
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

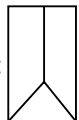
N/A - Not Applicable

Break Types:

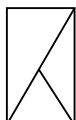
A:



B:



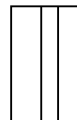
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

115 Branch Street

St. Louis, MO 63147

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 59**Placement Information:** Location: Wall sequence 2. level 0-1Placement Date: 8/5/2016Quantity Placed (yd.³): 80Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 90Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 87Air Content (%): 6.3Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

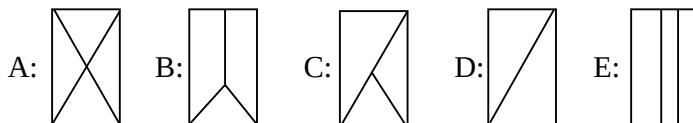
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133229	7	8/6/2016	8/12/2016	D	4.00	12.57	64,660	5,150
133230	7	8/6/2016	8/12/2016	D	4.00	12.57	66,080	5,260
133231	28	8/6/2016	9/2/2016					
133232	28	8/6/2016	9/2/2016					
133233	28	8/6/2016	9/2/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 6**Placement Information:** Location: Footings for elevator pitPlacement Date: 8/9/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133204	7	8/10/2016	8/16/2016	D	4.00	12.57	72,180	5,740
133205	7	8/10/2016	8/16/2016	D	4.00	12.57	69,920	5,560
133206	28	8/10/2016	9/6/2016					
133207	28	8/10/2016	9/6/2016					
133208	28	8/10/2016	9/6/2016					

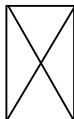
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

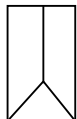
N/A - Not Applicable

Break Types:

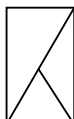
A:



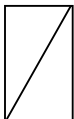
B:



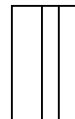
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 60**Placement Information:** Location: Grade Beams 7 D-C; C, 7-8; C.3, 7-7.3Placement Date: 8/9/2016Quantity Placed (yd.³): 20Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 5.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 96Air Content (%): 5.0Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

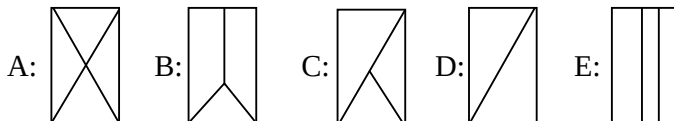
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133303	7	8/10/2016	8/16/2016	D	4.00	12.57	48,500	3,860
133304	7	8/10/2016	8/16/2016	D	4.00	12.57	50,760	4,040
133305	28	8/10/2016	9/6/2016	D	4.00	12.57	59,120	4,700
133306	28	8/10/2016	9/6/2016	D	4.00	12.57	58,760	4,680
133307	28	8/10/2016	9/6/2016	D	4.00	12.57	59,540	4,740

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** City Design Group, Inc.

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 60**Placement Information:** Location: Grade Beams 7 D-C; C, 7-8; C.3, 7-7.3Placement Date: 8/9/2016Quantity Placed (yd.³): 20Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 5.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 96Air Content (%): 5.0Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133303	7	8/10/2016	8/16/2016	D	4.00	12.57	48,500	3,860
133304	7	8/10/2016	8/16/2016	D	4.00	12.57	50,760	4,040
133305	28	8/10/2016	9/6/2016					
133306	28	8/10/2016	9/6/2016					
133307	28	8/10/2016	9/6/2016					

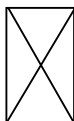
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

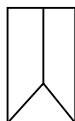
N/A - Not Applicable

Break Types:

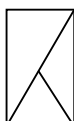
A:



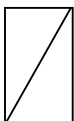
B:



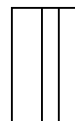
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 61**Placement Information:** Location: Footings for elevator pitPlacement Date: 8/9/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133204	7	8/10/2016	8/16/2016	D	4.00	12.57	72,180	5,740
133205	7	8/10/2016	8/16/2016	D	4.00	12.57	69,920	5,560
133206	28	8/10/2016	9/6/2016	D	4.00	12.57	76,380	6,080
133207	28	8/10/2016	9/6/2016	D	4.00	12.57	79,600	6,330
133208	28	8/10/2016	9/6/2016	D	4.00	12.57	82,780	6,590

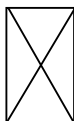
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

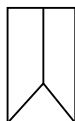
N/A - Not Applicable

Break Types:

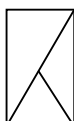
A:



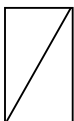
B:



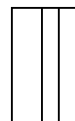
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

115 Branch Street

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 62**Placement Information:** Location: Footings for elevator pitPlacement Date: 8/9/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 5.8Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133209	7	8/10/2016	8/16/2016	D	4.00	12.57	79,060	6,290
133210	7	8/10/2016	8/16/2016	D	4.00	12.57	73,760	5,870
133211	28	8/10/2016	9/6/2016	D	4.00	12.57	83,960	6,680
133212	28	8/10/2016	9/6/2016	D	4.00	12.57	82,200	6,540
133213	28	8/10/2016	9/6/2016	D	4.00	12.57	84,680	6,740

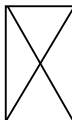
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

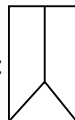
N/A - Not Applicable

Break Types:

A:



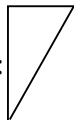
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

City Design Group, Inc.

115 Branch Street

St. Louis, MO 63147

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 62**Placement Information:** Location: Footings for elevator pitPlacement Date: 8/9/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 5.8Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133209	7	8/10/2016	8/16/2016	D	4.00	12.57	79,060	6,290
133210	7	8/10/2016	8/16/2016	D	4.00	12.57	73,760	5,870
133211	28	8/10/2016	9/6/2016					
133212	28	8/10/2016	9/6/2016					
133213	28	8/10/2016	9/6/2016					

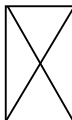
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

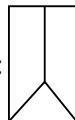
N/A - Not Applicable

Break Types:

A:



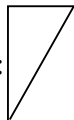
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 63**Placement Information:** Location: Footings for elevator pitPlacement Date: 8/9/2016Quantity Placed (yd.³): 90Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 93Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 91Air Content (%): 5.8Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133214	7	8/10/2016	8/16/2016	D	4.00	12.57	67,880	5,400
133215	7	8/10/2016	8/16/2016	D	4.00	12.57	70,680	5,620
133216	28	8/10/2016	9/6/2016	D	4.00	12.57	80,280	6,390
133217	28	8/10/2016	9/6/2016	D	4.00	12.57	84,660	6,740
133218	28	8/10/2016	9/6/2016	D	4.00	12.57	82,480	6,560

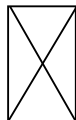
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

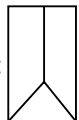
N/A - Not Applicable

Break Types:

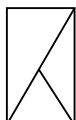
A:



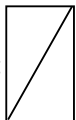
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

115 Branch Street

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 63**Placement Information:** Location: Footings for elevator pitPlacement Date: 8/9/2016Quantity Placed (yd.³): 90Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 93Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 91Air Content (%): 5.8Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

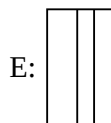
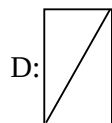
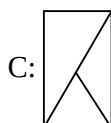
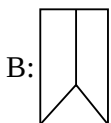
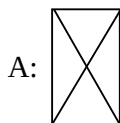
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133214	7	8/10/2016	8/16/2016	D	4.00	12.57	67,880	5,400
133215	7	8/10/2016	8/16/2016	D	4.00	12.57	70,680	5,620
133216	28	8/10/2016	9/6/2016					
133217	28	8/10/2016	9/6/2016					
133218	28	8/10/2016	9/6/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 64**Placement Information:** Location: Grade beam at 5-C.3Placement Date: 8/10/2016Quantity Placed (yd.³): 18.75Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 93Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 92Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133271	7	8/11/2016	8/17/2016	D	4.00	12.57	46,520	3,700
133272	7	8/11/2016	8/17/2016	D	4.00	12.57	49,020	3,900
133273	28	8/11/2016	9/7/2016					
133274	28	8/11/2016	9/7/2016					
133275	28	8/11/2016	9/7/2016					

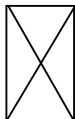
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

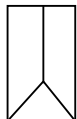
N/A - Not Applicable

Break Types:

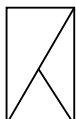
A:



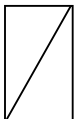
B:



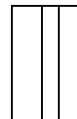
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

115 Branch Street

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 65**Placement Information:** Location: Grade beam at C.3- 6Placement Date: 8/10/2016Quantity Placed (yd.³): 45Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 93Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 95Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133276	7	8/11/2016	8/17/2016	D	4.00	12.57	34,340	2,730
133277	7	8/11/2016	8/17/2016	D	4.00	12.57	26,720	2,130
133278	28	8/11/2016	9/7/2016	D	4.00	12.57	51,127	4,070
133279	28	8/11/2016	9/7/2016	D	4.00	12.57	51,376	4,090
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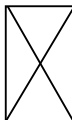
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

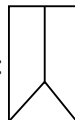
N/A - Not Applicable

Break Types:

A:



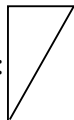
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

City Design Group, Inc.

115 Branch Street

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O 314.241.9072 · F 314.241.3870

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 65**Placement Information:** Location: Grade beam at C.3- 6Placement Date: 8/10/2016Quantity Placed (yd.³): 45Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 93Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 95Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133276	7	8/11/2016	8/17/2016	D	4.00	12.57	34,340	2,730
133277	7	8/11/2016	8/17/2016	D	4.00	12.57	26,720	2,130
133278	28	8/11/2016	9/7/2016					
133279	28	8/11/2016	9/7/2016					
133280	28	8/11/2016	9/7/2016					

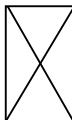
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

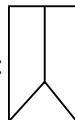
N/A - Not Applicable

Break Types:

A:



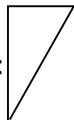
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

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1204 Washington Ave suite 405

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 64**Placement Information:** Location: Grade beam at 5-C.3Placement Date: 8/10/2016Quantity Placed (yd.³): 18.75Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 93Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 92Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133271	7	8/11/2016	8/17/2016	D	4.00	12.57	46,520	3,700
133272	7	8/11/2016	8/17/2016	D	4.00	12.57	49,020	3,900
133273	28	8/11/2016	9/7/2016	D	4.00	12.57	58,760	4,680
133274	28	8/11/2016	9/7/2016	D	4.00	12.57	55,980	4,450
133275	28	8/11/2016	9/7/2016	D	4.00	12.57	53,700	4,270

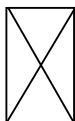
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

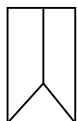
N/A - Not Applicable

Break Types:

A:



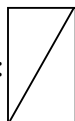
B:



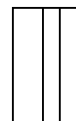
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 66**Placement Information:** Location: Wall, level 0-1, sequence 3 at B.5-7Placement Date: 8/12/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 5.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 98Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133331	7	8/13/2016	8/19/2016	D	4.00	12.57	47,980	3,820
133332	7	8/13/2016	8/19/2016	D	4.00	12.57	43,360	3,450
133333	28	8/13/2016	9/9/2016	D	4.00	12.57	57,960	4,610
133334	28	8/13/2016	9/9/2016	D	4.00	12.57	54,400	4,330
133335	28	8/13/2016	9/9/2016	D	4.00	12.57	56,120	4,470

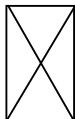
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

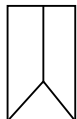
N/A - Not Applicable

Break Types:

A:



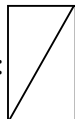
B:



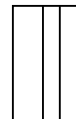
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 66**Placement Information:** Location: Wall, level 0-1, sequence 3 at B.5-7Placement Date: 8/12/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 92Slump1(in.): 5.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 98Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133331	7	8/13/2016	8/19/2016	D	4.00	12.57	47,980	3,820
133332	7	8/13/2016	8/19/2016	D	4.00	12.57	43,360	3,450
133333	28	8/13/2016	9/9/2016					
133334	28	8/13/2016	9/9/2016					
133335	28	8/13/2016	9/9/2016					

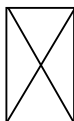
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

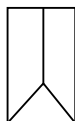
N/A - Not Applicable

Break Types:

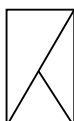
A:



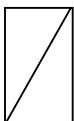
B:



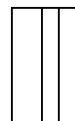
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
Project Location: St. Louis, MO CDG Report No.: 67

Placement Information: Location: Wall, level 0-1, sequence 3 at B.2-6
Placement Date: 8/12/2016 Quantity Placed (yd.³): 30
Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
Concrete Temp. (F°): 89 Slump1(in.): 6.00 Slump2 (in.): N/A
Ambient Air Temp. (F°): 99 Air Content (%): 5.5
Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133336	7	8/13/2016	8/19/2016	D	4.00	12.57	52,060	4,140
133337	7	8/13/2016	8/19/2016	D	4.00	12.57	50,720	4,040
133338	28	8/13/2016	9/9/2016	D	4.00	12.57	60,880	4,840
133339	28	8/13/2016	9/9/2016	D	4.00	12.57	64,420	5,130
133340	28	8/13/2016	9/9/2016	D	4.00	12.57	64,900	5,160

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A: B: C: D: E:

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

BS

Respectfully Submitted: **City Design Group, Inc.**

cc:

City Design Group, Inc.

115 Branch Street

St. Louis, MO 63147

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 67**Placement Information:** Location: Wall, level 0-1, sequence 3 at B.2-6Placement Date: 8/12/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 89Slump1(in.): 6.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 99Air Content (%): 5.5Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133336	7	8/13/2016	8/19/2016	D	4.00	12.57	52,060	4,140
133337	7	8/13/2016	8/19/2016	D	4.00	12.57	50,720	4,040
133338	28	8/13/2016	9/9/2016					
133339	28	8/13/2016	9/9/2016					
133340	28	8/13/2016	9/9/2016					

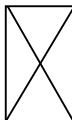
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

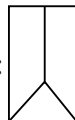
N/A - Not Applicable

Break Types:

A:



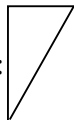
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 68**Placement Information:** Location: Wall, level 0-1, sequence 3 at 5.5-7Placement Date: 8/12/2016Quantity Placed (yd.³): 60Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 4.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 100Air Content (%): 5.6Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

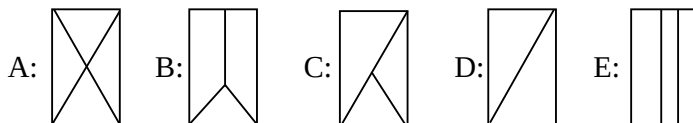
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133341	7	8/13/2016	8/19/2016	D	4.00	12.57	58,420	4,650
133342	7	8/13/2016	8/19/2016	D	4.00	12.57	59,220	4,710
133343	28	8/13/2016	9/9/2016	D	4.00	12.57	71,260	5,670
133344	28	8/13/2016	9/9/2016	D	4.00	12.57	69,900	5,560
133345	28	8/13/2016	9/9/2016	D	4.00	12.57	72,680	5,780

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 68**Placement Information:** Location: Wall, level 0-1, sequence 3 at 5.5-7Placement Date: 8/12/2016Quantity Placed (yd.³): 60Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 4.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 100Air Content (%): 5.6Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

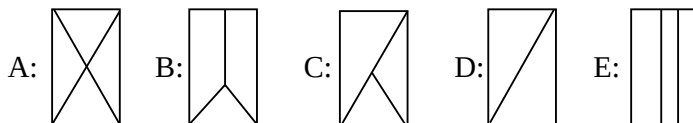
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133341	7	8/13/2016	8/19/2016	D	4.00	12.57	58,420	4,650
133342	7	8/13/2016	8/19/2016	D	4.00	12.57	59,220	4,710
133343	28	8/13/2016	9/9/2016					
133344	28	8/13/2016	9/9/2016					
133345	28	8/13/2016	9/9/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

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1204 Washington Ave suite 405

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 69**Placement Information:** Location: Wall, level 0-1, 5-E.5Placement Date: 8/19/2016Quantity Placed (yd.³): 10.25Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 4.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 85Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133401	7	8/20/2016	8/26/2016	D	4.00	12.57	73,560	5,850
133402	7	8/20/2016	8/26/2016	D	4.00	12.57	72,280	5,750
133403	28	8/20/2016	9/16/2016	D	4.00	12.57	82,600	6,570
133404	28	8/20/2016	9/16/2016	D	4.00	12.57	81,200	6,460
133405	28	8/20/2016	9/16/2016	D	4.00	12.57	80,520	6,410

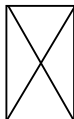
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

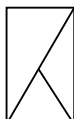
A:



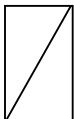
B:



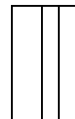
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 69**Placement Information:** Location: Wall, level 0-1, 5-E.5Placement Date: 8/19/2016Quantity Placed (yd.³): 10.25Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 4.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 85Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133401	7	8/20/2016	8/26/2016	D	4.00	12.57	73,560	5,850
133402	7	8/20/2016	8/26/2016	D	4.00	12.57	72,280	5,750
133403	28	8/20/2016	9/16/2016					
133404	28	8/20/2016	9/16/2016					
133405	28	8/20/2016	9/16/2016					

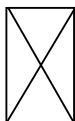
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

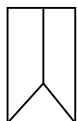
N/A - Not Applicable

Break Types:

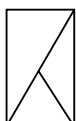
A:



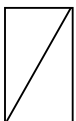
B:



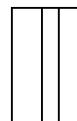
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

115 Branch Street

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 70**Placement Information:** Location: 6B B.5-1.6Placement Date: 8/19/2016Quantity Placed (yd.³): 51Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 4.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133406	7	8/20/2016	8/26/2016	D	4.00	12.57	59,380	4,730
133407	7	8/20/2016	8/26/2016	D	4.00	12.57	63,960	5,090
133408	28	8/20/2016	9/16/2016	D	4.00	12.57	74,560	5,930
133409	28	8/20/2016	9/16/2016	D	4.00	12.57	72,580	5,780
133410	28	8/20/2016	9/16/2016	D	4.00	12.57	70,880	5,640

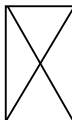
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

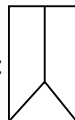
N/A - Not Applicable

Break Types:

A:



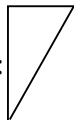
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

115 Branch Street

St. Louis, MO 63147

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 70**Placement Information:** Location: 6B B.5-1.6Placement Date: 8/19/2016Quantity Placed (yd.³): 51Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 4.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 86Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133406	7	8/20/2016	8/26/2016	D	4.00	12.57	59,380	4,730
133407	7	8/20/2016	8/26/2016	D	4.00	12.57	63,960	5,090
133408	28	8/20/2016	9/16/2016					
133409	28	8/20/2016	9/16/2016					
133410	28	8/20/2016	9/16/2016					

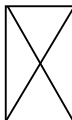
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

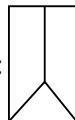
N/A - Not Applicable

Break Types:

A:



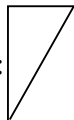
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 71**Placement Information:** Location: Grade beam at 2-B.5Placement Date: 8/24/2016Quantity Placed (yd.³): 9.75Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 89Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 89Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133418	7	8/25/2016	8/31/2016	D	4.00	12.57	46,880	3,730
133419	7	8/25/2016	8/31/2016	D	4.00	12.57	48,780	3,880
133420	28	8/25/2016	9/21/2016	D	4.00	12.57	60,180	4,790
133421	28	8/25/2016	9/21/2016	D	4.00	12.57	61,380	4,880
133422	28	8/25/2016	9/21/2016	D	4.00	12.57	59,080	4,700

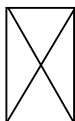
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

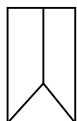
N/A - Not Applicable

Break Types:

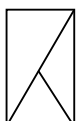
A:



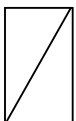
B:



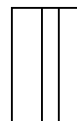
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 71**Placement Information:** Location: Grade beam at 2-B.5Placement Date: 8/24/2016Quantity Placed (yd.³): 9.75Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 89Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 89Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133418	7	8/25/2016	8/31/2016	D	4.00	12.57	46,880	3,730
133419	7	8/25/2016	8/31/2016	D	4.00	12.57	48,780	3,880
133420	28	8/25/2016	9/21/2016					
133421	28	8/25/2016	9/21/2016					
133422	28	8/25/2016	9/21/2016					

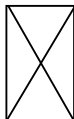
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

A:



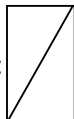
B:



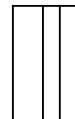
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

115 Branch Street

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 72**Placement Information:** Location: Grade beam at 2.3-C.3Placement Date: 8/24/2016Quantity Placed (yd.³): 29.25Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 89Air Content (%): 6Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133423	7	8/25/2016	8/31/2016	D	4.00	12.57	60,700	4,830
133424	7	8/25/2016	8/31/2016	D	4.00	12.57	61,120	4,860
133425	28	8/25/2016	9/21/2016	D	4.00	12.57	71,760	5,710
133426	28	8/25/2016	9/21/2016	D	4.00	12.57	72,520	5,770
133427	28	8/25/2016	9/21/2016	D	4.00	12.57	73,000	5,810

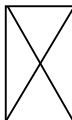
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

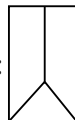
N/A - Not Applicable

Break Types:

A:



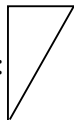
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 72**Placement Information:** Location: Grade beam at 2.3-C.3Placement Date: 8/24/2016Quantity Placed (yd.³): 29.25Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 89Air Content (%): 6Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133423	7	8/25/2016	8/31/2016	D	4.00	12.57	60,700	4,830
133424	7	8/25/2016	8/31/2016	D	4.00	12.57	61,120	4,860
133425	28	8/25/2016	9/21/2016					
133426	28	8/25/2016	9/21/2016					
133427	28	8/25/2016	9/21/2016					

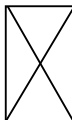
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

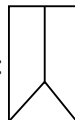
N/A - Not Applicable

Break Types:

A:



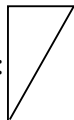
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 73**Placement Information:** Location: Pier cap 3-C.3Placement Date: 8/26/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 4.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 84Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133428	7	8/27/2016	9/2/2016	D	4.00	12.57	47,800	3,800
133429	7	8/27/2016	9/2/2016	D	4.00	12.57	47,760	3,800
133430	28	8/27/2016	9/23/2016	D	4.00	12.57	59,400	4,730
133431	28	8/27/2016	9/23/2016	D	4.00	12.57	57,320	4,560
133432	28	8/27/2016	9/23/2016	D	4.00	12.57	59,900	4,770

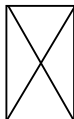
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

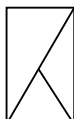
A:



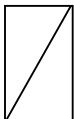
B:



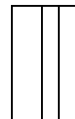
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS*Respectfully Submitted: **City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 73**Placement Information:** Location: Pier cap 3-C.3Placement Date: 8/26/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 4.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 84Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133428	7	8/27/2016	9/2/2016	D	4.00	12.57	47,800	3,800
133429	7	8/27/2016	9/2/2016	D	4.00	12.57	47,760	3,800
133430	28	8/27/2016	9/23/2016					
133431	28	8/27/2016	9/23/2016					
133432	28	8/27/2016	9/23/2016					

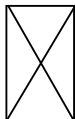
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

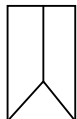
N/A - Not Applicable

Break Types:

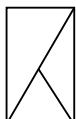
A:



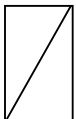
B:



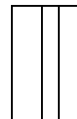
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 75**Placement Information:** Location: Wall, level 1-2 at C.3-3Placement Date: 8/30/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 88Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 92Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133468	7	8/31/2016	9/6/2016	D	4.00	12.57	58,400	4,650
133469	7	8/31/2016	9/6/2016	D	4.00	12.57	57,640	4,590
133470	28	8/31/2016	9/27/2016	D	4.00	12.57	64,900	5,160
133471	28	8/31/2016	9/27/2016	D	4.00	12.57	63,380	5,040
133472	28	8/31/2016	9/27/2016	D	4.00	12.57	64,000	5,090

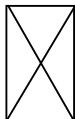
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

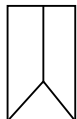
N/A - Not Applicable

Break Types:

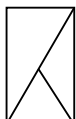
A:



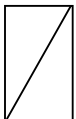
B:



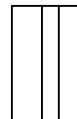
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 75**Placement Information:** Location: Wall, level 1-2 at C.3-3Placement Date: 8/30/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 88Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 92Air Content (%): 6.2Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133468	7	8/31/2016	9/6/2016	D	4.00	12.57	58,400	4,650
133469	7	8/31/2016	9/6/2016	D	4.00	12.57	57,640	4,590
133470	28	8/31/2016	9/27/2016					
133471	28	8/31/2016	9/27/2016					
133472	28	8/31/2016	9/27/2016					

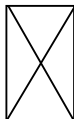
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

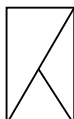
A:



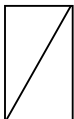
B:



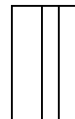
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 76**Placement Information:** Location: Wall, level 1-2 at C.3-1.6Placement Date: 8/30/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 88Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 93Air Content (%): 6Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133473	7	8/31/2016	9/6/2016	D	4.00	12.57	61,480	4,890
133474	7	8/31/2016	9/6/2016	D	4.00	12.57	61,080	4,860
133475	28	8/31/2016	9/27/2016	D	4.00	12.57	66,580	5,300
133476	28	8/31/2016	9/27/2016	D	4.00	12.57	70,320	5,600
133477	28	8/31/2016	9/27/2016	D	4.00	12.57	67,340	5,360

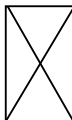
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

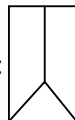
N/A - Not Applicable

Break Types:

A:



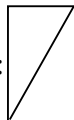
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 76**Placement Information:** Location: Wall, level 1-2 at C.3-1.6Placement Date: 8/30/2016Quantity Placed (yd.³): 30Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 88Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 93Air Content (%): 6Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133473	7	8/31/2016	9/6/2016	D	4.00	12.57	61,480	4,890
133474	7	8/31/2016	9/6/2016	D	4.00	12.57	61,080	4,860
133475	28	8/31/2016	9/27/2016					
133476	28	8/31/2016	9/27/2016					
133477	28	8/31/2016	9/27/2016					

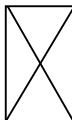
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

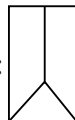
N/A - Not Applicable

Break Types:

A:



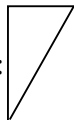
B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted:** **City Design Group, Inc.**

cc:

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 77**Placement Information:** Location: Wall, level 1-2 at 1.6-CPlacement Date: 8/30/2016Quantity Placed (yd.³): 79Mix Design Number: 40FNDRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 95Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133478	7	8/31/2016	9/6/2016	D	4.00	12.57	57,960	4,610
133479	7	8/31/2016	9/6/2016	D	4.00	12.57	54,600	4,340
133480	28	8/31/2016	9/27/2016					
133481	28	8/31/2016	9/27/2016					
133482	28	8/31/2016	9/27/2016					

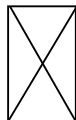
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

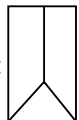
N/A - Not Applicable

Break Types:

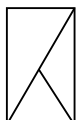
A:



B:



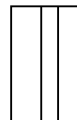
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146
 Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 78

Placement Information: Location: Piers 4-C.3, 5-C, 5-B.3

Placement Date: 8/30/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 81 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 95 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

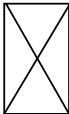
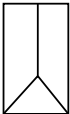
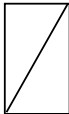
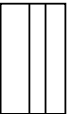
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133483	7	8/31/2016	9/6/2016	D	4.00	12.57	58,380	4,650
133484	7	8/31/2016	9/6/2016	D	4.00	12.57	54,340	4,320
133485	14	8/31/2016	9/13/2016	D	4.00	12.57	59,520	4,740
133486	14	8/31/2016	9/13/2016	D	4.00	12.57	59,800	4,760
133487	28	8/31/2016	9/27/2016					
133488	28	8/31/2016	9/27/2016					
133489	28	8/31/2016	9/27/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com

**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146
 Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 78

Placement Information: Location: Piers 4-C.3, 5-C, 5-B.3

Placement Date: 8/30/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 81 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 95 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

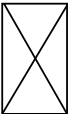
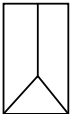
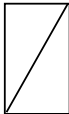
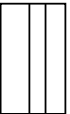
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133483	7	8/31/2016	9/6/2016	D	4.00	12.57	58,380	4,650
133484	7	8/31/2016	9/6/2016	D	4.00	12.57	54,340	4,320
133485	14	8/31/2016	9/13/2016	D	4.00	12.57	59,520	4,740
133486	14	8/31/2016	9/13/2016	D	4.00	12.57	59,800	4,760
133487	28	8/31/2016	9/27/2016	D	4.00	12.57	66,000	5,250
133488	28	8/31/2016	9/27/2016	D	4.00	12.57	67,240	5,350
133489	28	8/31/2016	9/27/2016	D	4.00	12.57	63,000	5,010

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146
 Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 78

Placement Information: Location: Piers 4-C.3, 5-C, 5-B.3

Placement Date: 8/30/2016 Quantity Placed (yd.³): 9
 Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 81 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 95 Air Content (%): 1.7
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

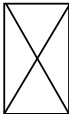
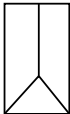
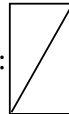
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133483	7	8/31/2016	9/6/2016	D	4.00	12.57	58,380	4,650
133484	7	8/31/2016	9/6/2016	D	4.00	12.57	54,340	4,320
133485	14	8/31/2016	9/13/2016					
133486	14	8/31/2016	9/13/2016					
133487	28	8/31/2016	9/27/2016					
133488	28	8/31/2016	9/27/2016					
133489	28	8/31/2016	9/27/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

City Design Group, Inc.

115 Branch Street

St. Louis, MO 63147

O 314.241.9072 · F 314.241.3870

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 77**Placement Information:** Location: Wall, level 1-2 at 1.6-CPlacement Date: 8/30/2016Quantity Placed (yd.³): 79Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 91Slump1(in.): 8.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 95Air Content (%): 5.7Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

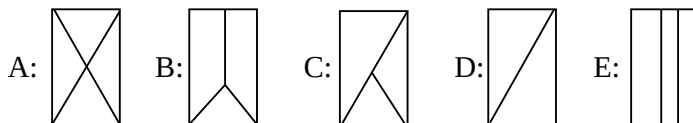
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133478	7	8/31/2016	9/6/2016	D	4.00	12.57	57,960	4,610
133479	7	8/31/2016	9/6/2016	D	4.00	12.57	54,600	4,340
133480	28	8/31/2016	9/27/2016	D	4.00	12.57	60,580	4,820
133481	28	8/31/2016	9/27/2016	D	4.00	12.57	62,520	4,980
133482	28	8/31/2016	9/27/2016	D	4.00	12.57	63,300	5,040

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc: _____

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1204 Washington Ave suite 405

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 79**Placement Information:** Location: Deck (Metal Pan) E -7.3Placement Date: 9/20/2016Quantity Placed (yd.³): 10Mix Design Number: C329HDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 7.25 Slump2 (in.): N/AAmbient Air Temp. (F°): 67Air Content (%): 0.8Supplier: KienstraCast By: Lester Greenleaf**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

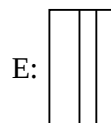
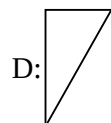
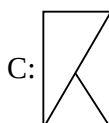
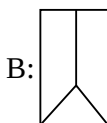
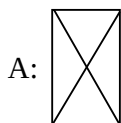
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133689	7	9/21/2016	9/27/2016	D	4.00	12.57	55,700	4,430
133690	7	9/21/2016	9/27/2016	D	4.00	12.57	57,580	4,580
133691	28	9/21/2016	10/18/2016	D	4.00	12.57	77,540	6,170
133692	28	9/21/2016	10/18/2016	D	4.00	12.57	72,540	5,770
133693	28	9/21/2016	10/18/2016	D	4.00	12.57	73,400	5,840

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 79**Placement Information:** Location: Deck (Metal Pan) E -7.3Placement Date: 9/20/2016Quantity Placed (yd.³): 10Mix Design Number: C329HDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 86Slump1(in.): 7.25 Slump2 (in.): N/AAmbient Air Temp. (F°): 67Air Content (%): 0.8Supplier: KienstraCast By: Lester Greenleaf**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

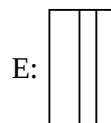
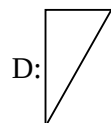
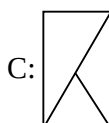
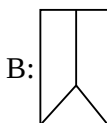
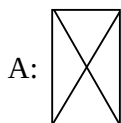
Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133689	7	9/21/2016	9/27/2016	D	4.00	12.57	55,700	4,430
133690	7	9/21/2016	9/27/2016	D	4.00	12.57	57,580	4,580
133691	28	9/21/2016	10/18/2016					
133692	28	9/21/2016	10/18/2016					
133693	28	9/21/2016	10/18/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*RS*Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

115 Branch Street

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 80**Placement Information:** Location: Deck (Metal Pan) D-6Placement Date: 9/20/2016Quantity Placed (yd.³): 50Mix Design Number: C329HDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 6.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 67Air Content (%): 1.2Supplier: KienstraCast By: Lester Greenleaf**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133694	7	9/21/2016	9/27/2016	D	4.00	12.57	54,640	4,350
133695	7	9/21/2016	9/27/2016	D	4.00	12.57	52,120	4,150
133696	28	9/21/2016	10/18/2016	D	4.00	12.57	78,720	6,260
133697	28	9/21/2016	10/18/2016	D	4.00	12.57	80,900	6,440
133698	28	9/21/2016	10/18/2016	D	4.00	12.57	76,280	6,070

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

A:



B:



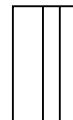
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc:

City Design Group, Inc.

115 Branch Street

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 80**Placement Information:** Location: Deck (Metal Pan) D-6Placement Date: 9/20/2016Quantity Placed (yd.³): 50Mix Design Number: C329HDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 87Slump1(in.): 6.75 Slump2 (in.): N/AAmbient Air Temp. (F°): 67Air Content (%): 1.2Supplier: KienstraCast By: Lester Greenleaf**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133694	7	9/21/2016	9/27/2016	D	4.00	12.57	54,640	4,350
133695	7	9/21/2016	9/27/2016	D	4.00	12.57	52,120	4,150
133696	28	9/21/2016	10/18/2016					
133697	28	9/21/2016	10/18/2016					
133698	28	9/21/2016	10/18/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

A:



B:



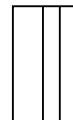
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

*BS***Respectfully Submitted: City Design Group, Inc.**

cc:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

O 314.241.9072 ·

esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 81**Placement Information:** Location: Grade beam at C.6-5.2Placement Date: 9/26/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 79Slump1(in.): 4.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 72Air Content (%): 6.1Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133759	7	9/27/2016	10/3/2016	D	4.00	12.57	73,640	5,860
133760	7	9/27/2016	10/3/2016	D	4.00	12.57	69,300	5,510
133761	28	9/27/2016	10/24/2016	D	4.00	12.57	82,380	6,560
133762	28	9/27/2016	10/24/2016	D	4.00	12.57	82,140	6,540
133763	28	9/27/2016	10/24/2016	D	4.00	12.57	83,300	6,630

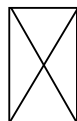
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

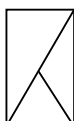
A:



B:



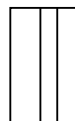
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 81**Placement Information:** Location: Grade beam at C.6-5.2Placement Date: 9/26/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 79Slump1(in.): 4.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 72Air Content (%): 6.1Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133759	7	9/27/2016	10/3/2016	D	4.00	12.57	73,640	5,860
133760	7	9/27/2016	10/3/2016	D	4.00	12.57	69,300	5,510
133761	28	9/27/2016	10/24/2016					
133762	28	9/27/2016	10/24/2016					
133763	28	9/27/2016	10/24/2016					

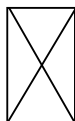
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

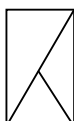
A:



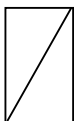
B:



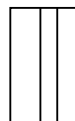
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 82**Placement Information:** Location: Grade beam at B-5.5Placement Date: 9/26/2016Quantity Placed (yd.³): 40Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 80Slump1(in.): 4.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 73Air Content (%): 6.2Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133764	7	9/27/2016	10/3/2016	D	4.00	12.57	68,380	5,440
133765	7	9/27/2016	10/3/2016	D	4.00	12.57	69,560	5,540
133766	28	9/27/2016	10/24/2016	D	4.00	12.57	80,200	6,380
133767	28	9/27/2016	10/24/2016	D	4.00	12.57	80,660	6,420
133768	28	9/27/2016	10/24/2016	D	4.00	12.57	81,820	6,510

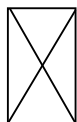
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

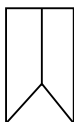
N/A - Not Applicable

Break Types:

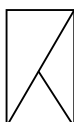
A:



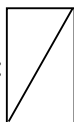
B:



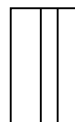
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

CC:

City Design Group, Inc.

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St. Louis, MO 63147

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 82**Placement Information:** Location: Grade beam at B-5.5Placement Date: 9/26/2016Quantity Placed (yd.³): 40Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 80Slump1(in.): 4.50 Slump2 (in.): N/AAmbient Air Temp. (F°): 73Air Content (%): 6.2Supplier: METROCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133764	7	9/27/2016	10/3/2016	D	4.00	12.57	68,380	5,440
133765	7	9/27/2016	10/3/2016	D	4.00	12.57	69,560	5,540
133766	28	9/27/2016	10/24/2016					
133767	28	9/27/2016	10/24/2016					
133768	28	9/27/2016	10/24/2016					

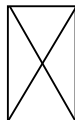
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

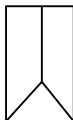
N/A - Not Applicable

Break Types:

A:



B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

CC:

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com

CITYDESIGNGROUP INC.

Report of Laboratory Compressive Strength TestsClient: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 90**Placement Information:** Location: Wall, level 1 at E-5Placement Date: 10/1/2016Quantity Placed (yd.³): 10Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 75Slump1(in.): 5.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 65Air Content (%): 6.3Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

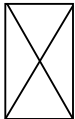
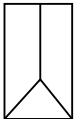
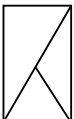
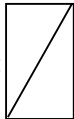
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133853	7	10/2/2016	10/8/2016	D	4.00	12.57	66,160	5,260
133854	7	10/2/2016	10/8/2016	D	4.00	12.57	63,600	5,060
133855	28	10/2/2016	10/29/2016	D	4.00	12.57	77,520	6,170
133856	28	10/2/2016	10/29/2016	D	4.00	12.57	74,280	5,910
133857	28	10/2/2016	10/29/2016	D	4.00	12.57	79,580	6,330

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 91**Placement Information:** Location: Wall, level 1 at 4.6-A.6Placement Date: 10/1/2016Quantity Placed (yd.³): 70Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 75Slump1(in.): 5.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 65Air Content (%): 6Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133858	7	10/2/2016	10/8/2016	D	4.00	12.57	60,020	4,780
133859	7	10/2/2016	10/8/2016	D	4.00	12.57	55,640	4,430
133860	28	10/2/2016	10/29/2016	D	4.00	12.57	65,160	5,190
133861	28	10/2/2016	10/29/2016	D	4.00	12.57	65,680	5,230
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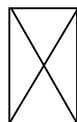
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types:

A:



B:



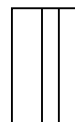
C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc:

City Design Group, Inc.

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St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 83**Placement Information:** Location: Slab on gradePlacement Date: 10/10/2016Quantity Placed (yd.³): 10Mix Design Number: C329HDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 66Slump1(in.): 0.00 Slump2 (in.): 5.75Ambient Air Temp. (F°): 55Air Content (%): 1.2Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

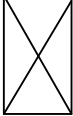
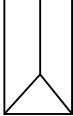
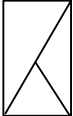
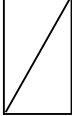
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133980	7	10/11/2016	10/17/2016	D	4.00	12.57	57,700	4,590
133981	7	10/11/2016	10/17/2016	D	4.00	12.57	61,200	4,870
133982	28	10/11/2016	11/7/2016	D	4.00	12.57	74,440	5,920
133983	28	10/11/2016	11/7/2016	D	4.00	12.57	71,680	5,700
133984	28	10/11/2016	11/7/2016	D	4.00	12.57	72,740	5,790

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

City Design Group, Inc.

1204 Washington Ave suite 405

St. Louis, MO 63103

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 83**Placement Information:** Location: Slab on gradePlacement Date: 10/10/2016Quantity Placed (yd.³): 10Mix Design Number: C329HDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 66Slump1(in.): 0.00 Slump2 (in.): 5.75Ambient Air Temp. (F°): 55Air Content (%): 1.2Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

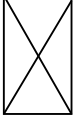
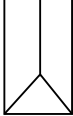
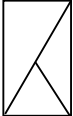
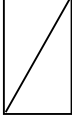
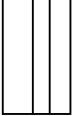
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133980	7	10/11/2016	10/17/2016	D	4.00	12.57	57,700	4,590
133981	7	10/11/2016	10/17/2016	D	4.00	12.57	61,200	4,870
133982	28	10/11/2016	11/7/2016					
133983	28	10/11/2016	11/7/2016					
133984	28	10/11/2016	11/7/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

City Design Group, Inc.

115 Branch Street

St. Louis, MO 63147

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 84

Placement Information: Location: Slab on grade
 Placement Date: 10/10/2016 Quantity Placed (yd.³): 70
 Mix Design Number: C329H Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 67 Slump1(in.): 0.00 Slump2 (in.): 5.50
 Ambient Air Temp. (F°): 65 Air Content (%): 1.6
 Supplier: Kienstra Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133985	7	10/11/2016	10/17/2016	D	4.00	12.57	66,280	5,270
133986	7	10/11/2016	10/17/2016	D	4.00	12.57	64,220	5,110
133987	28	10/11/2016	11/7/2016	D	4.00	12.57	83,240	6,620
133988	28	10/11/2016	11/7/2016	D	4.00	12.57	86,820	6,910
133989	28	10/11/2016	11/7/2016	D	4.00	12.57	90,900	7,230

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A: B: C: D: E:

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: City Design Group, Inc.

CC: _____

ASTM C39: "Standard Test Method for Compression Testing of Cylindrical Concrete Specimens"

ASTM C231, ASTM C143, and ASTM C1064

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 84**Placement Information:** Location: Slab on gradePlacement Date: 10/10/2016Quantity Placed (yd.³): 70Mix Design Number: C329HDesign Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 67Slump1 (in.): 0.00 Slump2 (in.): 5.50Ambient Air Temp. (F°): 65Air Content (%): 1.6Supplier: KienstraCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
133985	7	10/11/2016	10/17/2016	D	4.00	12.57	66,280	5,270
133986	7	10/11/2016	10/17/2016	D	4.00	12.57	64,220	5,110
133987	28	10/11/2016	11/7/2016					
133988	28	10/11/2016	11/7/2016					
133989	28	10/11/2016	11/7/2016					

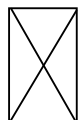
Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

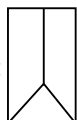
N/A - Not Applicable

Break Types:

A:



B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc:

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esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
Project Location: St. Louis, MO CDG Report No.: 85

Placement Information: Location: Grade beam at 6-B

Placement Date: 10/12/2016 Quantity Placed (yd.³): _____
Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
Concrete Temp. (F°): 66 Slump1(in.): 8.00 Slump2 (in.): _____
Ambient Air Temp. (F°): 57 Air Content (%): 5.7
Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

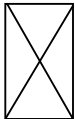
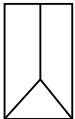
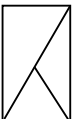
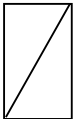
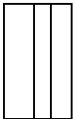
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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134078	7	10/13/2016	10/19/2016	D	4.00	12.57	53,940	4,290
134079	28	10/13/2016	11/9/2016					
134080	28	10/13/2016	11/9/2016					
134081	28	10/13/2016	11/9/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
A: Cone
B: Cone/Split
C: Cone/Shear
D: Shear
E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 86**Placement Information:** Location: Grade beam at 6-BPlacement Date: 10/12/2016Quantity Placed (yd.³): _____Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 66Slump1(in.): 8.00 Slump2 (in.): _____Ambient Air Temp. (F°): 57Air Content (%): 5.9Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementitious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134082	7	10/13/2016	10/19/2016	D	4.00	12.57	59,120	4,700
134083	7	10/13/2016	10/19/2016	D	4.00	12.57	62,940	5,010
134084	28	10/13/2016	11/9/2016					
134085	28	10/13/2016	11/9/2016					
134086	28	10/13/2016	11/9/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

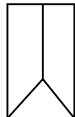
N/A - Not Applicable

Break Types:

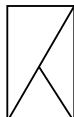
A:



B:



C:



D:



E:



A: Cone

B: Cone/Split

C: Cone/Shear

D: Shear

E: Columnar

Respectfully Submitted: City Design Group, Inc.

cc: _____

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esimington@citydesigngroupinc.com



Report of Laboratory Compressive Strength Tests

Client: Geotechnology, Inc. Att: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 87

Placement Information: Location: Wall, Level 1 at D-8.1 0-5'
 Placement Date: 10/17/2016 Quantity Placed (yd.³): 9.5
 Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 80 Slump1(in.): 7.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 85 Air Content (%): 5.9
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

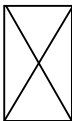
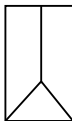
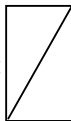
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134173	7	10/18/2016	10/24/2016	D	4.00	12.57	53,500	4,260
134174	7	10/18/2016	10/24/2016	D	4.00	12.57	54,780	4,360
134175	28	10/18/2016	11/14/2016					
134176	28	10/18/2016	11/14/2016					
134177	28	10/18/2016	11/14/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

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Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

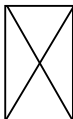
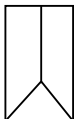
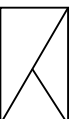
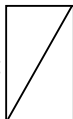
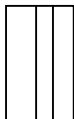
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134173	7	10/18/2016	10/24/2016	D	4.00	12.57	53,500	4,260
134174	7	10/18/2016	10/24/2016	D	4.00	12.57	54,780	4,360
134175	28	10/18/2016	11/14/2016	D	4.00	12.57	62,100	4,940
134176	28	10/18/2016	11/14/2016	D	4.00	12.57	68,360	5,440
134177	28	10/18/2016	11/14/2016	D	4.00	12.57	63,100	5,020

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc: _____

City Design Group, Inc.

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**Report of Laboratory Compressive Strength Tests**

Client: Geotechnology, Inc. At: Mr. Tom Coleman
 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 88

Placement Information: Location: Wall, Level 1 at A.6-7.1 0-5'

Placement Date: 10/17/2016 Quantity Placed (yd.³): 28.5
 Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 82 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 6
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

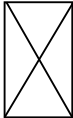
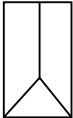
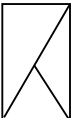
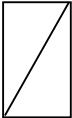
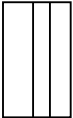
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
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134179	7	10/18/2016	10/24/2016	D	4.00	12.57	50,380	4,010
134180	28	10/18/2016	11/14/2016					
134181	28	10/18/2016	11/14/2016					
134182	28	10/18/2016	11/14/2016					

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

cc:

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 Address: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146

Project Name: Webster Interdisciplinary Building CDG Project No.: 13250
 Project Location: St. Louis, MO CDG Report No.: 88

Placement Information: Location: Wall, Level 1 at A.6-7.1 0-5'

Placement Date: 10/17/2016 Quantity Placed (yd.³): 28.5
 Mix Design Number: 40FNDSRA3 Design Strength (psi): 4000 @ 28-Days
 Concrete Temp. (F°): 82 Slump1(in.): 8.00 Slump2 (in.): N/A
 Ambient Air Temp. (F°): 87 Air Content (%): 6
 Supplier: Metro Cast By: Mark Arnold

Concrete Mix Information:

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

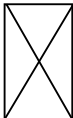
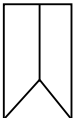
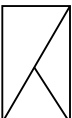
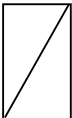
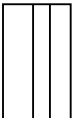
Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134178	7	10/18/2016	10/24/2016	D	4.00	12.57	50,620	4,030
134179	7	10/18/2016	10/24/2016	D	4.00	12.57	50,380	4,010
134180	28	10/18/2016	11/14/2016	D	4.00	12.57	61,540	4,900
134181	28	10/18/2016	11/14/2016	D	4.00	12.57	62,260	4,950
134182	28	10/18/2016	11/14/2016	D	4.00	12.57	59,640	4,750

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 
 A: Cone
 B: Cone/Split
 C: Cone/Shear
 D: Shear
 E: Columnar

Respectfully Submitted: **City Design Group, Inc.**

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esimington@citydesigngroupinc.com**Report of Laboratory Compressive Strength Tests**Client: Geotechnology, Inc.Att: Mr. Tom ColemanAddress: 11816 Lackland Road, Suite 150, Saint Louis, Missouri 63146Project Name: Webster Interdisciplinary BuildingCDG Project No.: 13250Project Location: St. Louis, MOCDG Report No.: 89**Placement Information:** Location: Wall, Level 1 at B.9-8.1Placement Date: 10/17/2016Quantity Placed (yd.³): 76Mix Design Number: 40FNDSRA3Design Strength (psi): 4000 @ 28-DaysConcrete Temp. (F°): 83Slump1(in.): 7.00 Slump2 (in.): N/AAmbient Air Temp. (F°): 87Air Content (%): 6.1Supplier: MetroCast By: Mark Arnold**Concrete Mix Information:**

Material:	SSD Batch Weight (lbs. or oz's.):	Supplier:	Comments:
Cement (Type I):			
Other Cementious:			
Coarse Aggregate:			
Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

Laboratory Test Results:

Sample No.:	Age at Test Date:	Date Received:	Date Tested:	Break Type:	Diameter (Inches):	Total Area:	Load (Lbs.):	Strength (psi):
134183	7	10/18/2016	10/24/2016	D	4.00	12.57	55,000	4,380
134184	7	10/18/2016	10/24/2016	D	4.00	12.57	54,440	4,330
134185	28	10/18/2016	11/14/2016	D	4.00	12.57	65,620	5,220
134186	28	10/18/2016	11/14/2016	D	4.00	12.57	69,500	5,530
134187	28	10/18/2016	11/14/2016	D	4.00	12.57	68,760	5,470

Slump 1-Slump as arrived on site

Slump 2 - Slump after field adjustment

N/A - Not Applicable

Break Types: A: B: C: D: E:

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Fine Aggregate:			
Batch Water (lbs./gal.):			
Admixture #1:			
Admixture #2:			
Admixture #3:			

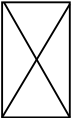
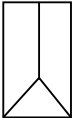
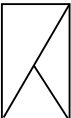
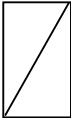
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134184	7	10/18/2016	10/24/2016	D	4.00	12.57	54,440	4,330
134185	28	10/18/2016	11/14/2016					
134186	28	10/18/2016	11/14/2016					
134187	28	10/18/2016	11/14/2016					

Slump 1-Slump as arrived on site

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N/A - Not Applicable

Break Types: A:  B:  C:  D:  E: 

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