City Design Group Inc. Drilled Pier Report

Pier Identification		V-3 (DP1)						**Date Drilled:**		May 24, 2016			
Drilling Contractor		Drilling Services			**Operator and Rig #**			Rob Pate #300					
Job Name:	Webster Univ. ISB			**Job #:**	13250		**Client:**	Geotechnology					
Diameter:	30"				**Length**		Variable 5' rock socket						
Design Information:	**Top of Concrete Elevation:**				536.25		**Ground Elevation:**			540.5			
	Bottom Elevation:				Variable		**Length of Pier:**			5' rock socket			
As Built Information:	**Top of Concrete Elevation:**				536.25		**Ground Elevation:**			540.5			
	Bottom Elevation:				517.25		**Length of Pier:**			19			
Start Time:	10:41 AM	**Finish Time:**		11:43 AM		**Delays:**							
Concrete Placed Date and Time:		5/24/16 2:00 PM			**Supplier:**		Western			**Tested:**	yes		
Slump:	5.25	**Air:**	3.2	**Temp:**	82	**Ambient air temp:**		81		**Mix Design ID:**	50fndsr3		
Design Strength @ 28 Days:		5000		**Admixtures added on site:**			none						
Reinforcing Steel Checked:		yes		**Vertical Bar Details:**			7 #8 12' 6"						
Horizontal Tie Details:		# 4 @ 6" oc 10' length								**Compliant:**	yes		
Clearance :	**Top:**		**Bottom:**	9'	**Sides:**	3.5"				**Compliant:**	yes		
Anchor Bolts Checked:	n/a		**Anchor Bolt Details:**										
Strata Information:													

	Surface:	**Description:**	Brown lean clay
	Depth:	**Description:**	
	Auger or core:	auger	
0-13			Brown lean clay
	Depth:	**Description:**	
	Auger or core:	auger	
13			brown lean clay with lime stone cobbles
	Depth:	**Description:**	
	Auger or core:	core	
13.0 - 19.0			lime stone
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		

Rock Socket Information:	**Depth:**		**Type:**		
CDG Technician:	David Sirois		**Date:**	May 24, 2016	

City Design Group Inc. Drilled Pier Report

Pier Identification		V-4.6 (DP1)						**Date Drilled:**		May 24, 2016			
Drilling Contractor		Drilling Services			**Operator and Rig #**			Rob Pate #300					
Job Name:	Webster Univ. ISB			**Job #:**	13250		**Client:**	Geotechnology					
Diameter:	30"				**Length**		Variable 5' rock socket						
Design Information:	**Top of Concrete Elevation:**				536.25		**Ground Elevation:**			540.5			
	Bottom Elevation:				Variable		**Length of Pier:**			5' rock socket			
As Built Information:	**Top of Concrete Elevation:**				536.25		**Ground Elevation:**			540.5			
	Bottom Elevation:				517.25		**Length of Pier:**			19			
Start Time:	8:06 AM	**Finish Time:**		9:35 AM		**Delays:**							
Concrete Placed Date and Time:		5/24/16 1:25 PM			**Supplier:**		Western			**Tested:**	yes		
Slump:	5.25	**Air:**	3.2	**Temp:**	82	**Ambient air temp:**		81		**Mix Design ID:**	50fndsr3		
Design Strength @ 28 Days:		5000		**Admixtures added on site:**			none						
Reinforcing Steel Checked:		yes		**Vertical Bar Details:**			7 #8 12' 6"						
Horizontal Tie Details:		# 4 @ 6" oc 10' length								**Compliant:**	yes		
Clearance :	**Top:**		**Bottom:**	9'	**Sides:**	3.5"				**Compliant:**	yes		
Anchor Bolts Checked:	n/a		**Anchor Bolt Details:**										
Strata Information:													

	Surface: **Description:**	Brown lean clay
	Depth: **Description:**	
	Auger or core: auger	
0-12.5		Brown lean clay
	Depth: **Description:**	
	Auger or core: auger	
12.75		brown lean clay with lime stone cobbles
	Depth: **Description:**	
	Auger or core: core	
12.75 - 19.0		lime stone
	Depth: **Description:**	
	Auger or core:	
	Depth: **Description:**	
	Auger or core:	
	Depth: **Description:**	
	Auger or core:	

Rock Socket Information:	**Depth:**		**Type:**		
CDG Technician:	David Sirois		**Date:**	May 24, 2016	

City Design Group Inc. Drilled Pier Report

Pier Identification	B.3-2 DP-5				**Date Drilled:**	6/9/2016 - 6/10/2016	
Drilling Contractor	Drilling services		**Operator and Rig #**		Rob Pate #300		
Job Name:	Webster Univ. ISB	**Job #:**		**Client:**	Geotechnology		
Diameter:	48"		**Length**		28'		
Design Information:	**Top of Concrete Elevation:**		536.25	**Ground Elevation:**	540.5		
	Bottom Elevation:		Variable	**Length of Pier:**	rock socket		
As Built Information:	**Top of Concrete Elevation:**		536.25	**Ground Elevation:**	540.5		
	Bottom Elevation:		512.5	**Length of Pier:**	28		

Start Time:	6/9/2016 1:10pm	**Finish Time:**	10:50 AM	**Delays:**									
Concrete Placed Date and Time:	6/10/16 1:00 AM			**Supplier:**	Metro					**Tested:**	No		
Slump:		**Air:**		**Temp:**		**Ambient air temp:**				**Mix Design ID:**			
Design Strength @ 28 Days:				**Admixtures added on site:**									
Reinforcing Steel Checked:	Yes			**Vertical Bar Details:**	R02-00								
Horizontal Tie Details:	R02-00									**Compliant:**	Yes		
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes				**Compliant:**	Yes		
Anchor Bolts Checked:	N/A		**Anchor Bolt Details:**										
Strata Information:													

	Surface:	**Description:**	
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		

Rock Socket Information:	**Depth:**	9'	**Type:**	Finely crystaline limestone	
CDG Technician:	Mark Arnold		**Date:**	June 10, 2016	

City Design Group Inc. Drilled Pier Report

Pier Identification		A.1-2							**Date Drilled:**	June 17, 2016			
Drilling Contractor		Drilling services				**Operator and Rig #**			Rob Pate #300				
Job Name:	Webster Univ. ISB			**Job #:**	13250	**Client:**	Geotechnology						
Diameter:	30"				**Length**	34.5							
Design Information:	**Top of Concrete Elevation:**				536.25	**Ground Elevation:**			540.5				
	Bottom Elevation:				Variable	**Length of Pier:**			5' rock socket				
As Built Information:	**Top of Concrete Elevation:**				536.25	**Ground Elevation:**			540.5				
	Bottom Elevation:				506	**Length of Pier:**			34.5				

Start Time:		**Finish Time:**			**Delays:**								
Concrete Placed Date and Time:		6/17/2016			**Supplier:**					**Tested:**	Yes		
Slump:	6.0	**Air:**	1.6	**Temp:**	92	**Ambient air temp:**			**Mix Design ID:**				
Design Strength @ 28 Days:					**Admixtures added on site:**			2.5 g HRWR					
Reinforcing Steel Checked:		Yes			**Vertical Bar Details:**			R02-00					
Horizontal Tie Details:		R02-00								**Compliant:**	Yes		
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes				**Compliant:**	Yes		
Anchor Bolts Checked:		N/A			**Anchor Bolt Details:**								
Strata Information:													

	Surface:	**Description:**	
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		

Rock Socket Information:	**Depth:**		**Type:**		
CDG Technician:	Mark Arnold		**Date:**	June 17, 2016	

City Design Group Inc. Drilled Pier Report

Pier Identification	A.2-1.6			**Date Drilled:**	June 13, 2016		
Drilling Contractor	Drilling services		**Operator and Rig #**	Rob Pate #300			
Job Name:	Webster Univ. ISB	**Job #:**	13250	**Client:**	Geotechnology		
Diameter:	36"		**Length**	36.5			
Design Information:	**Top of Concrete Elevation:**		536.25	**Ground Elevation:**	540.5		
	Bottom Elevation:		Variable	**Length of Pier:**	5' rock socket		
As Built Information:	**Top of Concrete Elevation:**		536.25	**Ground Elevation:**	540.5		
	Bottom Elevation:		504.5	**Length of Pier:**	36.5		

Start Time:		**Finish Time:**		**Delays:**								
Concrete Placed Date and Time:	N/A			**Supplier:**						**Tested:**	NO	
Slump:		**Air:**		**Temp:**		**Ambient air temp:**				**Mix Design ID:**		
Design Strength @ 28 Days:				**Admixtures added on site:**								
Reinforcing Steel Checked:	Yes			**Vertical Bar Details:**		R02-00						
Horizontal Tie Details:	R02-00									**Compliant:**	Yes	
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes				**Compliant:**	Yes	
Anchor Bolts Checked:	N/A		**Anchor Bolt Details:**									
Strata Information:												

	Surface:	**Description:**	
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		

Rock Socket Information:	**Depth:**	30"	**Type:**	Finely crystaline limestone	
CDG Technician:	Mark Arnold		**Date:**	June 13, 2016	

City Design Group Inc. Drilled Pier Report

Pier Identification		A.2-1.9						**Date Drilled:**		June 16, 2016			
Drilling Contractor		Drilling services			**Operator and Rig #**			Rob Pate #300					
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:		30"			**Length**	38'							
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket					
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			502.5	**Length of Pier:**		38'					
Start Time:		**Finish Time:**			**Delays:**								
Concrete Placed Date and Time:		6/16/16 9:50 AM			**Supplier:**	Metro		**Tested:**	Yes				
Slump:	5.8	**Air:**	1.8	**Temp:**	86	**Ambient air temp:**		91-95	**Mix Design ID:**	50FNDSR3			
Design Strength @ 28 Days:		5000			**Admixtures added on site:**	2.5g HRWR							
Reinforcing Steel Checked:		Yes			**Vertical Bar Details:**	R02-00							
Horizontal Tie Details:		R02-00							**Compliant:**	Yes			
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A			**Anchor Bolt Details:**								
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**			**Type:**								
CDG Technician:		Mark Arnold				**Date:**		June 16, 2016					

City Design Group Inc. Drilled Pier Report

Pier Identification			A.5 - 1.6						**Date Drilled:**		June 9, 2016		
Drilling Contractor			Drilling services			**Operator and Rig #**			Rob Pate #300				
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**			Geotechnology				
Diameter:		36			**Length**				30'				
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**				540.5			
		Bottom Elevation:			Variable	**Length of Pier:**			6' rock socket				
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**				540.5			
		Bottom Elevation:			510.5	**Length of Pier:**			30'				
Start Time:	7:00 AM	**Finish Time:**		10:30 AM	**Delays:**								
Concrete Placed Date and Time:		6/9/16 11:00 AM		**Supplier:**		Metro			**Tested:**	Yes			
Slump:	6.5	**Air:**	1.7	**Temp:**	86	**Ambient air temp:**		84	**Mix Design ID:**	50FNDSR3			
Design Strength @ 28 Days:		5000		**Admixtures added on site:**		1g Super P							
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**		R02-00							
Horizontal Tie Details:		R02-00							**Compliant:**	Yes			
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	10"	**Type:**		Moderately crystaline limestone							
CDG Technician:		Mark Arnold				**Date:**			June 9, 2016				

City Design Group Inc. Drilled Pier Report

Pier Identification			A.5-2						**Date Drilled:**		June 13, 2016		
Drilling Contractor			Drilling services			**Operator and Rig #**			Rob Pate #300				
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**			Geotechnology				
Diameter:		46"			**Length**	36							
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**			5' rock socket				
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			504.5	**Length of Pier:**			36				
Start Time:	7:00 AM	**Finish Time:**				**Delays:**							
Concrete Placed Date and Time:						**Supplier:**			Metro		**Tested:**	Yes	
Slump:		**Air:**		**Temp:**		**Ambient air temp:**					**Mix Design ID:**		
Design Strength @ 28 Days:						**Admixtures added on site:**			2g HRWR				
Reinforcing Steel Checked:		Yes				**Vertical Bar Details:**			R02-00				
Horizontal Tie Details:		R02-00									**Compliant:**	Yes	
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes					**Compliant:**	Yes	
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
			Surface:	**Description:**									
			Depth:	**Description:**									
			Auger or core:										
			Depth:	**Description:**									
			Auger or core:										
			Depth:	**Description:**									
			Auger or core:										
			Depth:	**Description:**									
			Auger or core:										
			Depth:	**Description:**									
			Auger or core:										
			Depth:	**Description:**									
			Auger or core:										
Rock Socket Information:			**Depth:**	65"		**Type:**			Finely crystaline limestone				
CDG Technician:		Mark Arnold						**Date:**	June 13, 2016				

City Design Group Inc. Drilled Pier Report

Pier Identification		A-1.6							**Date Drilled:**		June 8, 2016		
Drilling Contractor		Drilling services			**Operator and Rig #**				Rob Pate #300				
Job Name:		Webster Univ. ISB		**Job #:**	13250		**Client:**		Geotechnology				
Diameter:					**Length**				30				
Design Information:		**Top of Concrete Elevation:**			536.25		**Ground Elevation:**			540.5			
		Bottom Elevation:			Variable		**Length of Pier:**		5' rock socket				
As Built Information:		**Top of Concrete Elevation:**			536.25		**Ground Elevation:**			540.5			
		Bottom Elevation:			510.5		**Length of Pier:**		30				
Start Time:	8:10 AM	**Finish Time:**		10:45 AM	**Delays:**								
Concrete Placed Date and Time:		6/8/16 2:10 PM			**Supplier:**			Metro		**Tested:**	No		
Slump:		**Air:**		**Temp:**			**Ambient air temp:**		82	**Mix Design ID:**	50FNDSR		
Design Strength @ 28 Days:		5000			**Admixtures added on site:**				1g Super P				
Reinforcing Steel Checked:		Yes			**Vertical Bar Details:**				S 004				
Horizontal Tie Details:		S 004								**Compliant:**	Yes		
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes				**Compliant:**	Yes		
Anchor Bolts Checked:		N/A			**Anchor Bolt Details:**								
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	5.5'		**Type:**	Moderate to Finely crystaline limestone							
CDG Technician:		Mark Arnold					**Date:**		June 8, 2016				

City Design Group Inc. Drilled Pier Report

Pier Identification			A-1.8						**Date Drilled:**		June 10, 2016		
Drilling Contractor			Drilling services			**Operator and Rig #**			Rob Pate #300				
Job Name:		Webster Univ. ISB		**Job #:**			**Client:**		Geotechnology				
Diameter:		30			**Length**				33				
Design Information:		**Top of Concrete Elevation:**			536.25		**Ground Elevation:**			540.5			
		Bottom Elevation:			Variable		**Length of Pier:**		5' rock socket				
As Built Information:		**Top of Concrete Elevation:**			536.25		**Ground Elevation:**			540.5			
		Bottom Elevation:			507.5		**Length of Pier:**		33				
Start Time:	7:20 AM	**Finish Time:**		10:45 AM	**Delays:**								
Concrete Placed Date and Time:		6/10/16 11:40 AM		**Supplier:**			Metro		**Tested:**	Yes			
Slump:	5	**Air:**	1.6	**Temp:**	89	**Ambient air temp:**		87	**Mix Design ID:**	50FNDSR3			
Design Strength @ 28 Days:		5000		**Admixtures added on site:**			1g Super P						
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**			R02-00						
Horizontal Tie Details:		R02-00							**Compliant:**	Yes			
Clearance :	**Top:** Yes	**Bottom:**	Yes	**Sides:**	Yes				**Compliant:**	Yes			
Anchor Bolts Checked:	N/A		**Anchor Bolt Details:**										
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	52"	**Type:**			Finely crystaline limestone						
CDG Technician:		Mark Arnold				**Date:**	June 10, 2016						

City Design Group Inc. Drilled Pier Report

Pier Identification		A-2							**Date Drilled:**		June 9, 2016		
Drilling Contractor		Drilling services			**Operator and Rig #**								
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:		30			**Length**			34					
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**				540.5			
		Bottom Elevation:			Variable	**Length of Pier:**			5' rock socket				
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**				540.5			
		Bottom Elevation:				**Length of Pier:**							

Start Time:		**Finish Time:**			**Delays:**								
Concrete Placed Date and Time:		6/9/16 2:00 PM			**Supplier:**			Metro			**Tested:**	No	
Slump:		**Air:**		**Temp:**		**Ambient air temp:**			89	**Mix Design ID:**		50FNDSR3	
Design Strength @ 28 Days:		5000			**Admixtures added on site:**								
Reinforcing Steel Checked:		Yes			**Vertical Bar Details:**			R02-00					
Horizontal Tie Details:		R02-00								**Compliant:**		Yes	
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes				**Compliant:**		Yes	
Anchor Bolts Checked:		N/A			**Anchor Bolt Details:**								
Strata Information:													

	Surface:	**Description:**	
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		

Rock Socket Information:	**Depth:**	2'	**Type:**	Moderately crystaline limestone	
CDG Technician:	Mark Arnold		**Date:**	June 9, 2016	

City Design Group Inc. Drilled Pier Report

Pier Identification		A-3 (DP1, PC1)							**Date Drilled:**		6/1/2016 - 6/2/2016		
Drilling Contractor		Drilling services				**Operator and Rig #**			Rob Pate #300				
Job Name:		Webster Univ. ISB		**Job #:**		13250	**Client:**		Geotechnology				
Diameter:		30"				**Length**			27'				
Design Information:		**Top of Concrete Elevation:**				536.25	**Ground Elevation:**				540.5		
		Bottom Elevation:				Variable	**Length of Pier:**		5' rock socket				
As Built Information:		**Top of Concrete Elevation:**				536.25	**Ground Elevation:**				540.5		
		Bottom Elevation:					**Length of Pier:**		27'				
Start Time:	1:30 PM	**Finish Time:**		6/2/2016 1:50	**Delays:**								
Concrete Placed Date and Time:		6/2/2016 0:00				**Supplier:**			Metro		**Tested:**	Yes	
Slump:	5.3	**Air:**	2	**Temp:**	83	**Ambient air temp:**			87		**Mix Design ID:**	50FNDRNA	
Design Strength @ 28 Days:		5000				**Admixtures added on site:**			Super P				
Reinforcing Steel Checked:		Yes				**Vertical Bar Details:**			S 004				
Horizontal Tie Details:		S 004									**Compliant:**	Yes	
Clearance :	**Top:**		**Bottom:**		**Sides:**						**Compliant:**	Yes	
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**				**Type:**	Finely crystaline limestone						
CDG Technician:		Mark Arnold					**Date:**		June 2, 2016				

City Design Group Inc. Drilled Pier Report

Pier Identification			B.3-1.6						**Date Drilled:**		June 8, 2016		
Drilling Contractor			Drilling services			**Operator and Rig #**			Rob Pate #300 4400				
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**			Geotechnology				
Diameter:		36			**Length**	31							
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**			6' rock socket				
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			509.5	**Length of Pier:**			31'				
Start Time:	9:20 AM	**Finish Time:**		12:00 PM	**Delays:**								
Concrete Placed Date and Time:		6/8/16 12:50 PM			**Supplier:**	Metro			**Tested:**	No			
Slump:		**Air:**		**Temp:**		**Ambient air temp:**			**Mix Design ID:**	50FNDSR			
Design Strength @ 28 Days:		5000		**Admixtures added on site:**		1g Super P							
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**		S 004							
Horizontal Tie Details:		S004							**Compliant:**	Yes			
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	2'		**Type:**	Hard coal							
CDG Technician:		Mark Arnold					**Date:**		June 8, 2016				

City Design Group Inc. Drilled Pier Report

Pier Identification			B-7					**Date Drilled:**		6/7/2016 - 6/8/2016			
Drilling Contractor			Drilling services			**Operator and Rig #**				Rob Pate #300			
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:					**Length**			17.75					
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket					
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			522.8	**Length of Pier:**		17.75					
Start Time:	1:25 PM	**Finish Time:**		6/8/2016 7:10		**Delays:**							
Concrete Placed Date and Time:		6/8/16 8:30 AM				**Supplier:**		Metro		**Tested:**	Yes		
Slump:	5.5	**Air:**	1.7	**Temp:**	82	**Ambient air temp:**		74		**Mix Design ID:**	50FNDSR		
Design Strength @ 28 Days:		5000				**Admixtures added on site:**		1g Super P					
Reinforcing Steel Checked:		Yes				**Vertical Bar Details:**		S004					
Horizontal Tie Details:		S004								**Compliant:**	Yes		
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes				**Compliant:**	Yes		
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	6.75	**Type:**	Moderate to finely crystaline limestone								
CDG Technician:		Mark Arnold				**Date:**		6/7/2016 - 6/8/2016					

City Design Group Inc. Drilled Pier Report

Pier Identification			F.4 - 7.3						**Date Drilled:**		6/5/2016 - 6/6/2016		
Drilling Contractor			Drilling services			**Operator and Rig #**			Rob Pate #300				
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**			Geotechnology				
Diameter:		30			**Length**				17'				
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**			5' rock socket				
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			523.5	**Length of Pier:**			17'				
Start Time:	1:15 PM	**Finish Time:**		2:30	**Delays:**								
Concrete Placed Date and Time:		6/6/2016			**Supplier:**			Metro		**Tested:**	Yes		
Slump:	7"	**Air:**	1.7	**Temp:**	83	**Ambient air temp:**		73	**Mix Design ID:**		50FNDSR		
Design Strength @ 28 Days:		5000		**Admixtures added on site:**		1/2 Super P							
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**		S 004							
Horizontal Tie Details:		S 004							**Compliant:**	Yes			
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	5'	**Type:**		Finely crystaline limestone							
CDG Technician:		Mark Arnold				**Date:**		June 6, 2016					

City Design Group Inc. Drilled Pier Report

Pier Identification			F.5					**Date Drilled:**		6/7/2016 - 6/8/2016			
Drilling Contractor			Drilling services			**Operator and Rig #**				Rob Pate #300			
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:		30			**Length**			19.4					
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket					
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			520.1	**Length of Pier:**		19.4					
Start Time:	1:30 PM	**Finish Time:**		6/8/2016 7:05	**Delays:**								
Concrete Placed Date and Time:		6/8/16 8:45 AM		**Supplier:**		Metro		**Tested:**	Yes				
Slump:	5.5	**Air:**	1.7	**Temp:**	82	**Ambient air temp:**		73	**Mix Design ID:**	50FNDSR			
Design Strength @ 28 Days:		5000		**Admixtures added on site:**		1g Super P							
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**		S004							
Horizontal Tie Details:		S004						**Compliant:**	Yes				
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	7.9	**Type:**	Moderate to Finely crystaline limestone								
CDG Technician:		Mark Arnold				**Date:**		6/7/2016 - 6/8/2016					

City Design Group Inc. Drilled Pier Report

Pier Identification			F.5-5					**Date Drilled:**		June 7, 2016			
Drilling Contractor			Drilling services			**Operator and Rig #**				Rob Pate #300			
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:		36"			**Length**	18.9							
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket					
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			521.6	**Length of Pier:**		18.9					
Start Time:	10:10 AM	**Finish Time:**		11:40	**Delays:**								
Concrete Placed Date and Time:		6/7/16 2:30 PM			**Supplier:**	Metro			**Tested:**	N/A			
Slump:		**Air:**		**Temp:**		**Ambient air temp:**		79	**Mix Design ID:**	50FNDSR			
Design Strength @ 28 Days:		5000		**Admixtures added on site:**									
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**		S004							
Horizontal Tie Details:		S004							**Compliant:**	Yes			
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	7.9	**Type:**	Moderate to finely crystaline limestone								
CDG Technician:		Mark Arnold				**Date:**		June 7, 2016					

City Design Group Inc. Drilled Pier Report

Pier Identification			F.5-6					**Date Drilled:**		June 7, 2016			
Drilling Contractor			Drilling services			**Operator and Rig #**				Rob Pate #300			
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:		36			**Length**			21.9					
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket					
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			518.6	**Length of Pier:**		21.9					
Start Time:	7:00 AM	**Finish Time:**		8:25	**Delays:**								
Concrete Placed Date and Time:		6/7/16 11:00 AM			**Supplier:**		Metro		**Tested:**	Yes			
Slump:	5.75	**Air:**	1.8	**Temp:**	83	**Ambient air temp:**		76	**Mix Design ID:**	50FNDSR			
Design Strength @ 28 Days:		5000			**Admixtures added on site:**			1g Super P					
Reinforcing Steel Checked:		Yes			**Vertical Bar Details:**			S004					
Horizontal Tie Details:		S004							**Compliant:**	Yes			
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	9.3	**Type:**	Moderate to finely crystaline limestone								
CDG Technician:		Mark Arnold				**Date:**		June 7, 2016					

City Design Group Inc. Drilled Pier Report

Pier Identification			F-7					**Date Drilled:**		June 7, 2016			
Drilling Contractor			Drilling services			**Operator and Rig #**				Rob Pate #300			
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:		30"			**Length**	15.9							
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**		540.5					
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket					
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**		540.5					
		Bottom Elevation:			526.6	**Length of Pier:**		15.9					
Start Time:	11:00 AM	**Finish Time:**		12:40	**Delays:**								
Concrete Placed Date and Time:		6/7/16 2:15 PM			**Supplier:**	Metro			**Tested:**	N/A			
Slump:		**Air:**		**Temp:**		**Ambient air temp:**		79	**Mix Design ID:**				
Design Strength @ 28 Days:		5000		**Admixtures added on site:**									
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**		S004							
Horizontal Tie Details:		S004							**Compliant:**	Yes			
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	5.75	**Type:**	Moderate to finely crystaline limestone								
CDG Technician:		Mark Arnold				**Date:**		June 7, 2016					

City Design Group Inc. Drilled Pier Report

Pier Identification	F-8				**Date Drilled:**	June 6, 2016	
Drilling Contractor	Drilling services		**Operator and Rig #**		Rob Pate #300		
Job Name:	Webster Univ. ISB	**Job #:**	13250	**Client:**	Geotechnology		
Diameter:	30"		**Length**		20'		
Design Information:	**Top of Concrete Elevation:**		536.25	**Ground Elevation:**	540.5		
	Bottom Elevation:		Variable	**Length of Pier:**	5' rock socket		
As Built Information:	**Top of Concrete Elevation:**		536.25	**Ground Elevation:**	540.5		
	Bottom Elevation:		520.5	**Length of Pier:**	20'		

Start Time:	9:50 AM	**Finish Time:**	11:00	**Delays:**							
Concrete Placed Date and Time:	6/6/2016			**Supplier:**					**Tested:**	N/A	
Slump:		**Air:**		**Temp:**		**Ambient air temp:**			**Mix Design ID:**		
Design Strength @ 28 Days:				**Admixtures added on site:**							
Reinforcing Steel Checked:	Yes			**Vertical Bar Details:**		S 004					
Horizontal Tie Details:	S 004								**Compliant:**	Yes	
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes	
Anchor Bolts Checked:	N/A		**Anchor Bolt Details:**								
Strata Information:											

	Surface:	**Description:**	
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		

Rock Socket Information:	**Depth:**	8.4'	**Type:**	Finely crystaline limestone	
CDG Technician:	Mark Arnold		**Date:**	June 6, 2016	

City Design Group Inc. Drilled Pier Report

Pier Identification		W-3 (DP1, PC1)						**Date Drilled:**		June 1, 2016	
Drilling Contractor		Drilling services			**Operator and Rig #**			Rob Pate #300			
Job Name:	Webster Univ. ISB		**Job #:**	13250	**Client:**	Geotechnology					
Diameter:	30"/36"			**Length**	35.8						
Design Information:	**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5			
	Bottom Elevation:			Variable	**Length of Pier:**			5' rock socket			
As Built Information:	**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5			
	Bottom Elevation:			502.7	**Length of Pier:**			35.8			

Start Time:	7:00 AM	**Finish Time:**	12:30	**Delays:**							
Concrete Placed Date and Time:	6/1/2016 1:57	**Supplier:**	Metro	**Tested:**	Yes						
Slump:	3.0	**Air:**	2.1	**Temp:**		**Ambient air temp:**		**Mix Design ID:**	50FNDWAir		
Design Strength @ 28 Days:	5000	**Admixtures added on site:**									
Reinforcing Steel Checked:	Yes	**Vertical Bar Details:**	S 004								
Horizontal Tie Details:	S 004	**Compliant:**	Yes								
Clearance :	**Top:**		**Bottom:**		**Sides:**			**Compliant:**	Yes		
Anchor Bolts Checked:	N/A	**Anchor Bolt Details:**									
Strata Information:											

	Surface:	**Description:**	
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		

Rock Socket Information:	5'	**Depth:**	35.8'	**Type:**	Bedrock
CDG Technician:	Mark Arnold			**Date:**	June 1, 2016

City Design Group Inc. Drilled Pier Report

Pier Identification	W-4.5			**Date Drilled:**	6/2/2016 - 6/3/2016		
Drilling Contractor	Drilling services		**Operator and Rig #**	Rob Pate #300			
Job Name:	Webster Univ. ISB	**Job #:**	13250	**Client:**	Geotechnology		
Diameter:	30'		**Length**				
Design Information:	**Top of Concrete Elevation:**		536.25	**Ground Elevation:**	540.5		
	Bottom Elevation:		Variable	**Length of Pier:**	5' rock socket		
As Built Information:	**Top of Concrete Elevation:**		536.25	**Ground Elevation:**	540.5		
	Bottom Elevation:		508.9	**Length of Pier:**	31.6		

Start Time:	7:35 AM	**Finish Time:**	6/3/2016 10:45	**Delays:**							
Concrete Placed Date and Time:	6/2/2016 12:00	**Supplier:**	Metro	**Tested:**	Yes						
Slump:	6	**Air:**	2	**Temp:**	83	**Ambient air temp**	73	**Mix Design ID:**	50FNDSR		
Design Strength @ 28 Days:	5000	**Admixtures added on site:**	1g Super P								
Reinforcing Steel Checked:	Yes	**Vertical Bar Details:**	S 004								
Horizontal Tie Details:	S 004	**Compliant:**	Yes								
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes	**Compliant:**	Yes			
Anchor Bolts Checked:	N/A		**Anchor Bolt Details:**								
Strata Information:											

	Surface:	**Description:**	
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		

Rock Socket Information:	**Depth:**		**Type:**		
CDG Technician:	Mark Arnold		**Date:**	June 3, 2016	

City Design Group Inc. Drilled Pier Report

Pier Identification			X-3					**Date Drilled:**		June 6, 2016			
Drilling Contractor			Drilling services			**Operator and Rig #**				Rob Pate #300			
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:					**Length**			20'					
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket					
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			520.5	**Length of Pier:**		20'					
Start Time:	7:45 AM	**Finish Time:**		10:15	**Delays:**								
Concrete Placed Date and Time:		6/6/2016			**Supplier:**		Metro		**Tested:**	N/A			
Slump:		**Air:**		**Temp:**		**Ambient air temp:**			**Mix Design ID:**				
Design Strength @ 28 Days:				**Admixtures added on site:**									
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**		S 004							
Horizontal Tie Details:		S 004							**Compliant:**	Yes			
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	6.2	**Type:**	Finely crystaline limestone								
CDG Technician:		Mark Arnold				**Date:**		June 6, 2016					

City Design Group Inc. Drilled Pier Report

Pier Identification			X-4.5					**Date Drilled:**		June 7, 2016			
Drilling Contractor			Drilling services			**Operator and Rig #**				Rob Pate #300			
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:		30			**Length**			21'					
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket					
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			519.5	**Length of Pier:**		21'					
Start Time:	7:10 AM	**Finish Time:**		8:55	**Delays:**								
Concrete Placed Date and Time:		6/7/16 2:40 PM			**Supplier:**		Metro		**Tested:**	N/A			
Slump:	5.5	**Air:**	1.7	**Temp:**	82	**Ambient air temp:**		74	**Mix Design ID:**	50FNDSR			
Design Strength @ 28 Days:				**Admixtures added on site:**									
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**									
Horizontal Tie Details:									**Compliant:**				
Clearance :	**Top:**		**Bottom:**		**Sides:**				**Compliant:**				
Anchor Bolts Checked:	N/A		**Anchor Bolt Details:**										
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	7'	**Type:**	Moderate to finely crystaline limestone								
CDG Technician:		Mark Arnold				**Date:**		June 7, 2016					

City Design Group Inc. Drilled Pier Report

Pier Identification			Y-3					**Date Drilled:**		June 3, 2016			
Drilling Contractor			Drilling services			**Operator and Rig #**				Rob Pate #300			
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology					
Diameter:		30'			**Length**	21.5							
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**		540.5					
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket					
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**		540.5					
		Bottom Elevation:			519	**Length of Pier:**		21.5					
Start Time:	7:00 AM	**Finish Time:**		10:30	**Delays:**								
Concrete Placed Date and Time:		6/3/2016			**Supplier:**	Metro			**Tested:**	Yes			
Slump:	6	**Air:**	2	**Temp:**	83	**Ambient air temp**	73		**Mix Design ID:**	50FNDSR			
Design Strength @ 28 Days:		5000		**Admixtures added on site:**		1g Super P							
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**		S 004							
Horizontal Tie Details:		S 004							**Compliant:**	Yes			
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes			**Compliant:**	Yes			
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	6.5	**Type:**	Finely crystaline limestone								
CDG Technician:		Mark Arnold				**Date:**	June 3, 2016						

City Design Group Inc. Drilled Pier Report

Pier Identification			Y-4.5						**Date Drilled:**		June 6, 2016		
Drilling Contractor			Drilling services			**Operator and Rig #**			Rob Pate #300				
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**			Geotechnology				
Diameter:		30			**Length**								
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			Variable	**Length of Pier:**			5' rock socket				
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5				
		Bottom Elevation:			522.1	**Length of Pier:**							
Start Time:	11:40 AM	**Finish Time:**		2:00	**Delays:**								
Concrete Placed Date and Time:		6/6/2016			**Supplier:**					**Tested:**	N/A		
Slump:		**Air:**		**Temp:**		**Ambient air temp:**				**Mix Design ID:**			
Design Strength @ 28 Days:		5000		**Admixtures added on site:**									
Reinforcing Steel Checked:		Yes		**Vertical Bar Details:**		S 004							
Horizontal Tie Details:		S 004								**Compliant:**	Yes		
Clearance :	**Top:**	Yes	**Bottom:**	Yes	**Sides:**	Yes				**Compliant:**	Yes		
Anchor Bolts Checked:		N/A		**Anchor Bolt Details:**									
Strata Information:													
		Surface:	**Description:**										
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
		Depth:	**Description:**										
		Auger or core:											
Rock Socket Information:		**Depth:**	6.4'	**Type:**	Moderate to Finely crystaline limestone								
CDG Technician:		Mark Arnold				**Date:**	June 6, 2016						

City Design Group Inc. Drilled Pier Report

Pier Identification			Z4.4 (DP1, PC1)					**Date Drilled:**		June 1, 2016	
Drilling Contractor			Drilling services			**Operator and Rig #**			Rob Pate #300		
Job Name:		Webster Univ. ISB		**Job #:**	13250	**Client:**		Geotechnology			
Diameter:		30"			**Length**			17.7'			
Design Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5		
		Bottom Elevation:			Variable	**Length of Pier:**		5' rock socket			
As Built Information:		**Top of Concrete Elevation:**			536.25	**Ground Elevation:**			540.5		
		Bottom Elevation:			518.8	**Length of Pier:**		17.9'			

Start Time:	7:50 AM	**Finish Time:**		10:35	**Delays:**						
Concrete Placed Date and Time:		6/1/2016 1:45			**Supplier:**		Metro		**Tested:**	Yes	
Slump:	3.0	**Air:**	2.1	**Temp:**	87	**Ambient air temp:**		80	**Mix Design ID:**	50FNDWAir	
Design Strength @ 28 Days:		5000			**Admixtures added on site:**						
Reinforcing Steel Checked:		Yes			**Vertical Bar Details:**		S 004				
Horizontal Tie Details:		S 004							**Compliant:**	Yes	
Clearance :	**Top:**		**Bottom:**		**Sides:**				**Compliant:**	Yes	
Anchor Bolts Checked:	N/A		**Anchor Bolt Details:**								
Strata Information:											

	Surface:	**Description:**	
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		
	Depth:	**Description:**	
	Auger or core:		

Rock Socket Information:	**Depth:**	5.7'	**Type:**	Bedrock	
CDG Technician:	Mark Arnold		**Date:**	June 1, 2016	