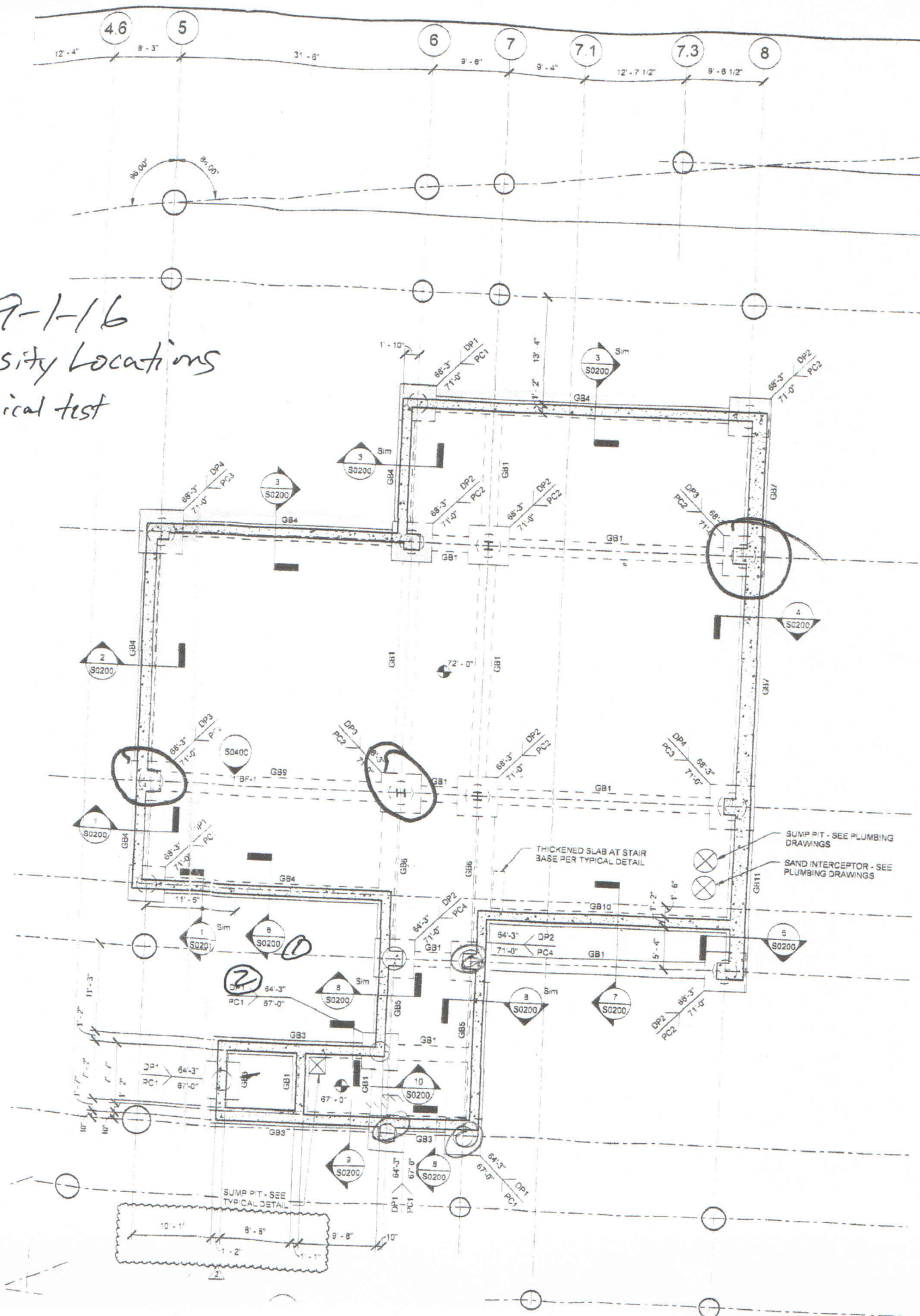
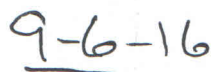


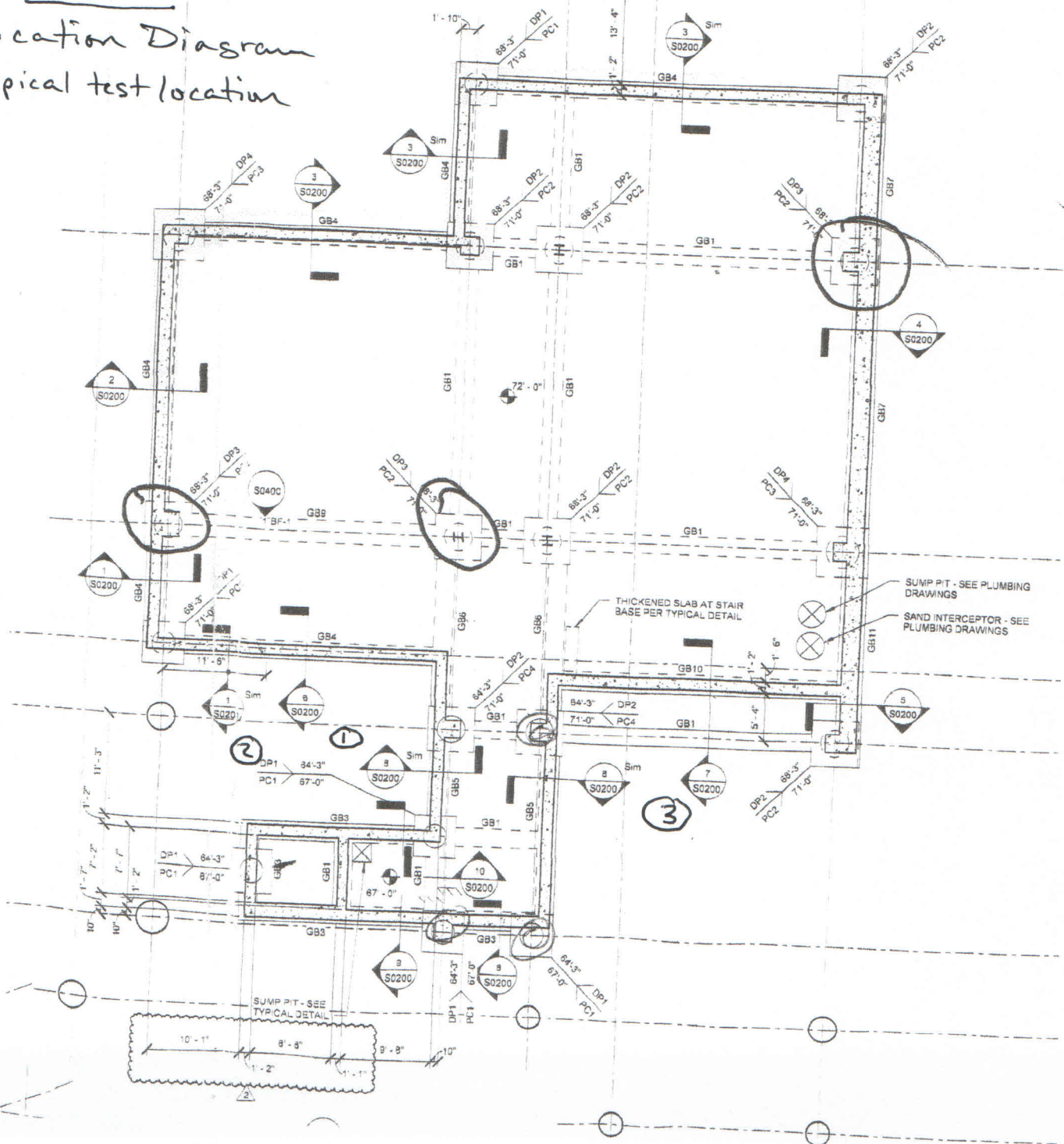
① = typical test





Location Diagram

$\odot$ = typical test location



City Design Group, Inc.
Report of Field Density Tests

Date of Report:	August 27, 2016	Nuclear Density Equip. Serial/CDG	
Project Name:	Webster ISB	Density Standard:	3732.4
Client Name:	Geotechnology	Moisture Standard:	506.1
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	Limestone "screenings"	130.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
1	130.0	L1	8.9	146.6	134.6	103.5	P
2	130.0	L2	9.1	141.7	129.5	99.6	P
3	130.0	L3	8.8	145.5	134.1	103.2	P
4	130.0	L4	9.0	140.1	131.2	100.9	P
5	130.0	L5	9.2	145.1	133.1	102.4	P
6	130.0	L6	9.1	144.9	132.6	102.0	P

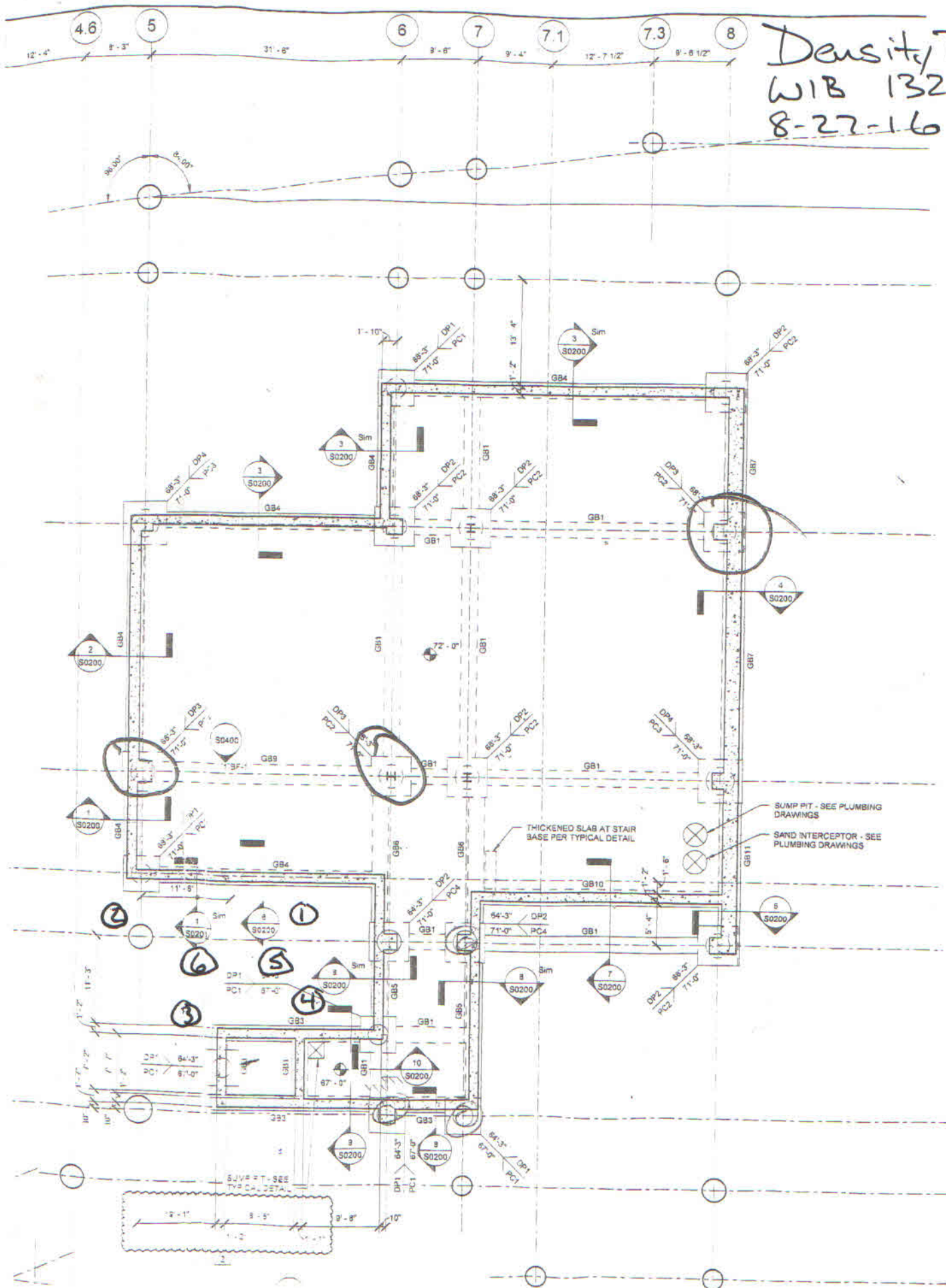
Test Location Information:

Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
1	See attached location diagram	I
2	See attached location diagram	I
3	See attached location diagram	I
4	See attached location diagram	I
5	See attached location diagram	I
6	See attached location diagram	I

Respectfully Submitted:

City Design Group, Inc.

Density Tests
 W1B 13250
 8-27-16



City Design Group, Inc.
Report of Field Density Tests

Date of Report:	August 29, 2016	Nuclear Density Equip. Serial/CDG	5142
Project Name:	Webster IB	Density Standard:	3732.4
Client Name:	Geotechnology	Moisture Standard:	506.1
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	Limestone Screening	130.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
1	130.0	L1	9.0	146.2	132.5	101.9	P
2	130.0	L2	8.5	145.1	131.9	101.5	P
							P

Test Location Information:

Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
1	Southside of level 0 (see diagram)	I
2	Southside of level 0 (see diagram)	I

Respectfully Submitted:

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City Design Group, Inc.
Report of Field Density Tests

Date of Report:	August 30, 2016	Nuclear Density Equip. Serial/CDG	5241
Project Name:	Webster ISB	Density Standard:	3735.9
Client Name:	Geotechnology	Moisture Standard:	5088.0
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	Limestone "Screenings"	13.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

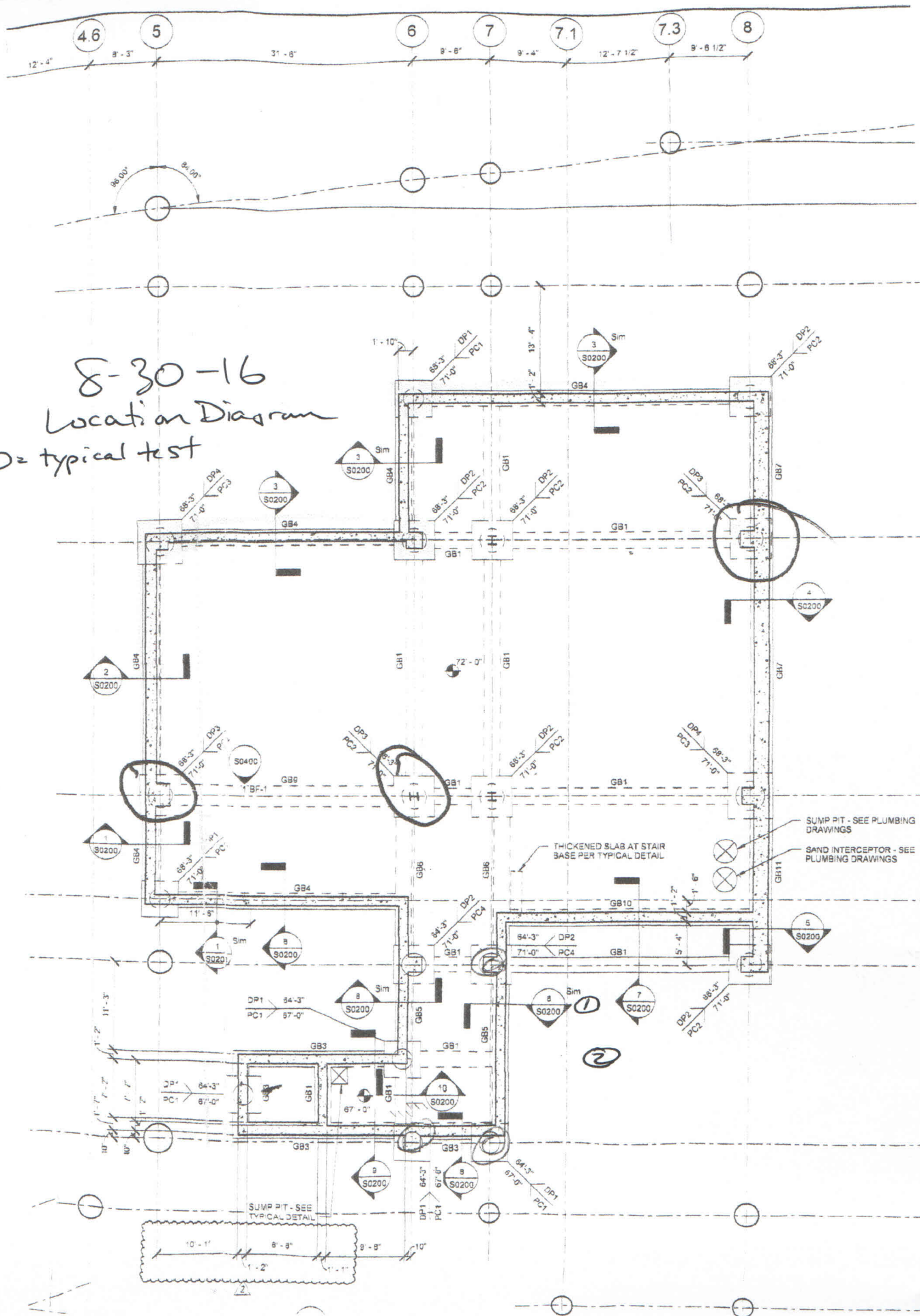
Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
1	130.0	L1	12.0	144.2	130.3	100.2	P
2	130.0	L2	10.0	143.3	130.1	100.1	P

Test Location Information:

Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
1	See location diagram level 0, east side	I
2	See location diagram level 0, east side	I

Respectfully Submitted:

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City Design Group, Inc.
Report of Field Density Tests

Date of Report:	August 18, 2016	Nuclear Density Equip. Serial/CDG	
Project Name:	Webster ISB	Density Standard:	2802.2
Client Name:	Geotechnology	Moisture Standard:	304.6
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	limestone Screenings	135.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
1	135.0	L #2	9.0	145.1	133.1	102.4	P

Test Location Information:

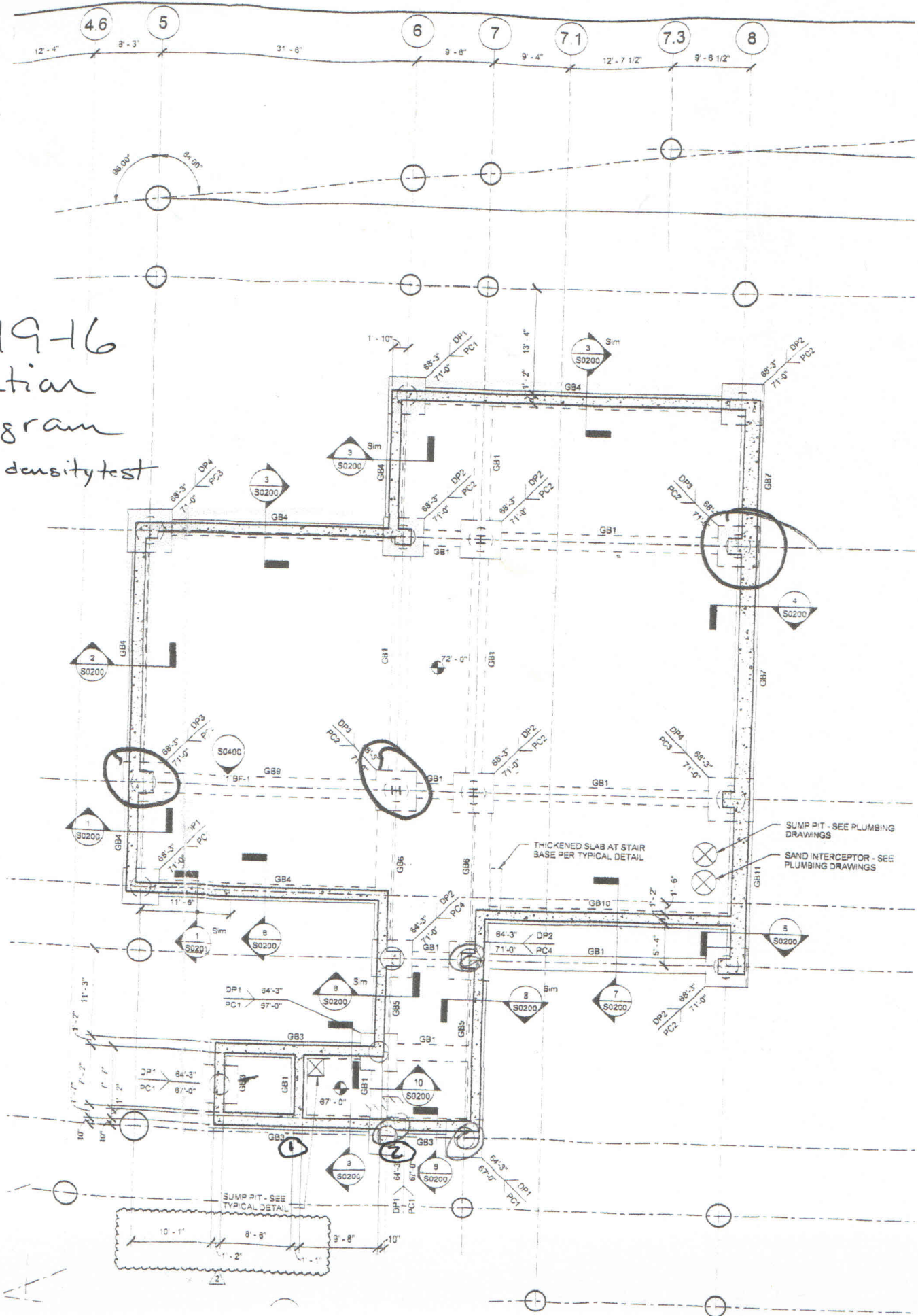
Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
1	SS run 24-23	I

Respectfully Submitted:

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8-19-16 Location Diagram

① = typical density test



City Design Group, Inc.
Report of Field Density Tests

Date of Report:	August 31, 2016	Nuclear Density Equip. Serial/CDG	5142
Project Name:	Webster IB	Density Standard:	2834.1
Client Name:	Geotechnology	Moisture Standard:	310.6
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	Limestone Screening	130.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
1	130.0	L3	5.0	136.9	130.5	100.4	P
2	130.0	L4	5.2	137.8	130.1	100.1	P
3	130.0	L5	5.1	136.9	130.4	100.3	P
4	130.0	L6	4.7	137.8	131.7	101.3	P
5	130.0	L7	4.9	140.9	131.6	101.2	P

Test Location Information:

Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
1	East side loading dock (see diagram)	I
2	East side loading dock (see diagram)	I
3	East side loading dock (see diagram)	I
4	East side loading dock (see diagram)	I
5	East side loading dock (see diagram)	I

Respectfully Submitted:

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City Design Group, Inc.
Report of Field Density Tests

Date of Report:	September 1, 2016	Nuclear Density Equip. Serial/CDG	5142
Project Name:	Webster IB	Density Standard:	2748.0
Client Name:	Geotechnology	Moisture Standard:	313.0
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	Limestone Screening	130.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
1	130.0	L8	5.6	137.5	130.6	100.5	P
2	130.0	L9	5.1	138.1	130.2	100.2	P
3	130.0	L9	6.8	145.6	136.3	104.8	P
4	130.0	L10	6.6	142.1	133.3	102.5	P
5	130.0	L11	6.0	133.0	127.1	97.8	P
6	130.0	L1	7.3	133.0	125.7	96.7	P
7	130.0	L2	6.2	132.5	126.2	97.1	P
8	130.0	L3	6.9	131.9	125.0	96.2	P

Test Location Information:

Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
1	West side level 0 (see diagram)	I
2	West side level 0 (see diagram)	I
3	Area shown on diagram	I
4	Area shown on diagram	I
5	Area shown on diagram	I
6	Area shown on diagram	I
7	Area shown on diagram	I
8	Area shown on diagram	I

Respectfully Submitted:

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City Design Group, Inc.
Report of Field Density Tests

Date of Report:	September 2, 2016	Nuclear Density Equip. Serial/CDG	5142
Project Name:	Webster IB	Density Standard:	2748.0
Client Name:	Geotechnology	Moisture Standard:	306.3
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	Limestone Screening	130.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

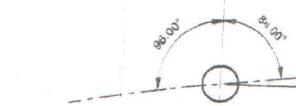
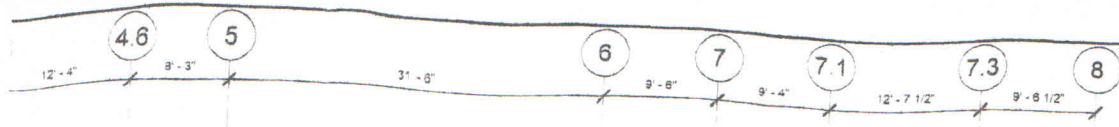
Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
1	130.0	L6	4.5	135.9	130.2	100.2	P
2	130.0	L7	5.1	136.1	130.9	100.7	P
3	130.0	L8	5.0	136.0	130.5	100.4	P

Test Location Information:

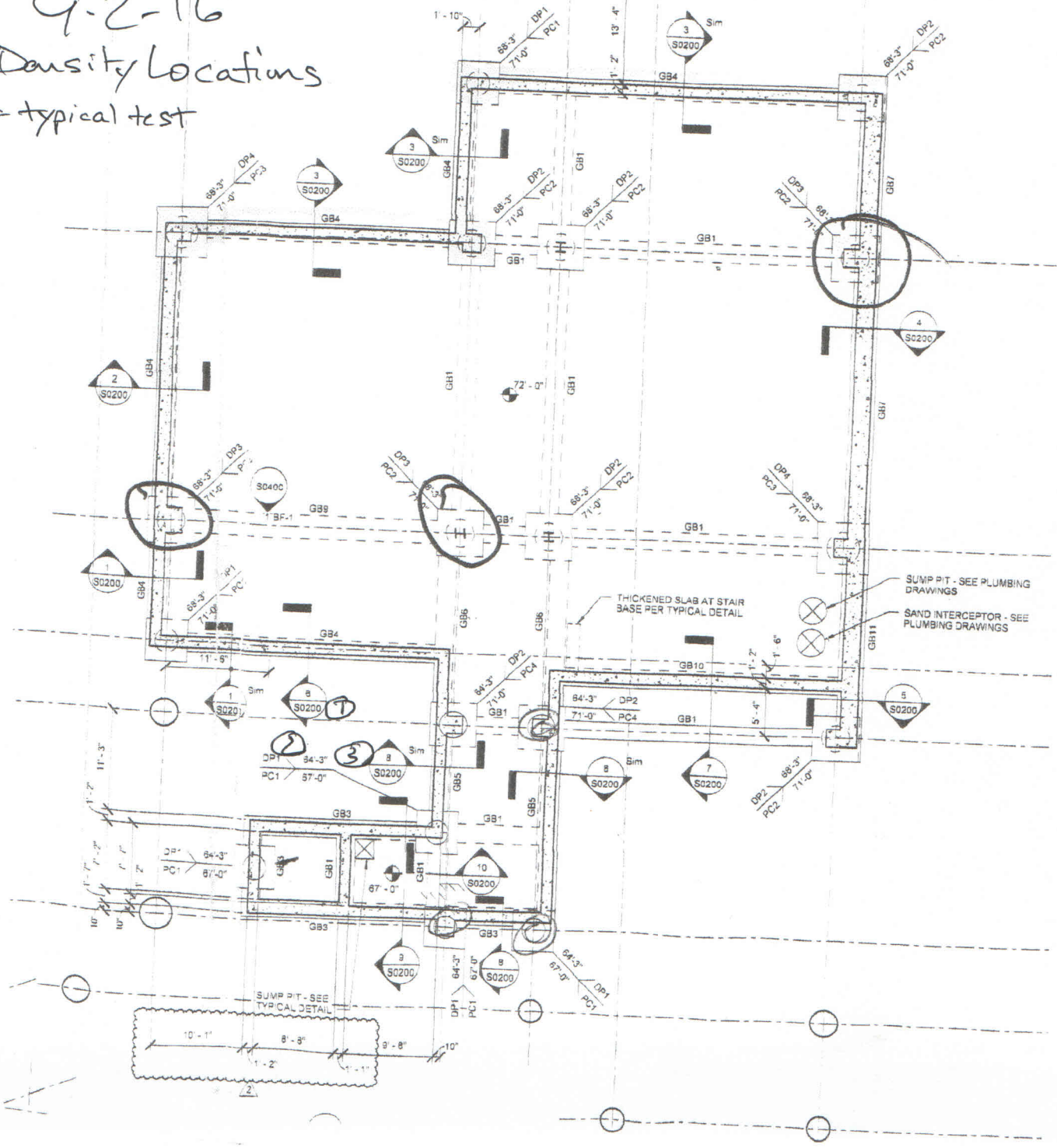
Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
1	North west of elevator level 0 (see diagram)	I
2	North west of elevator level 0 (see diagram)	I
3	North west of elevator level 0 (see diagram)	I

Respectfully Submitted:

City Design Group, Inc.



9-2-16
 Density Locations
 ① = typical test



SUMP PIT - SEE PLUMBING DRAWINGS
 SAND INTERCEPTOR - SEE PLUMBING DRAWINGS

City Design Group, Inc.
Report of Field Density Tests

Date of Report:	September 6, 2016	Nuclear Density Equip. Serial/CDG	5142
Project Name:	Webster IB	Density Standard:	2813.1
Client Name:	Geotechnology	Moisture Standard:	308.9
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	Limestone Screening	130.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
1	130.0	L9	4.5	136.3	130.8	100.6	P
2	130.0	L10	5.4	136.7	130.1	100.1	P
3	130.0	L10	5.8	137.9	130.7	100.5	P

Test Location Information:

Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
1	See diagram	I
2	See diagram	I
3	See diagram	I

Respectfully Submitted:

City Design Group, Inc.

City Design Group, Inc.

1204 Washington Ave. suite 405

St. Louis, MO 63103

O 314.241.9072

esimington@citydesigngroupinc.com**Reinforcing Steel Report**

Client:	Geotechnology	Att:	Tom Coleman
Address:	11816 Lackland Road, Saint Louis, MO 63146		
Project Name:	Webster ISB	CDG Project No.:	13250
CDG Rep.:	Mark Arnold	Report Date:	8/30/2016
Contractor:	Paric	Weather Condition:	Sunny, Hot

City Design Group, Inc. representative, Mark Arnold, was present at the referenced project where he observed fabrication and placement of rebar for piers 4-C.3, 5-C, 5-B.3. Items checked were grade, size, quantity, spacing, laps, ties clearance and cleanliness. All items were within acceptable tolerances.

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

cc

City Design Group, Inc.
Report of Field Density Tests

Date of Report:	July 23, 2016	Nuclear Density Equip. Serial/CDG	
Project Name:	Webster ISB	Density Standard:	2808.2
Client Name:	Geotechnology	Moisture Standard:	304.9
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	Limestone Screening	130.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
1	130.0	L1	7.2	139.4	130.0	100.0	P
2	130.0	L1	9.0	145.1	133.1	102.4	P
3	130.0	L2	8.5	145.5	134.1	103.2	P
4	130.0	L2	8.9	146.6	134.6	103.5	P
5	130.0	L3	9.2	147.2	134.8	103.7	P
6	130.0	L3	9.2	141.7	129.5	100.0	P

Test Location Information:

Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
1	*See Diagram	I=Initial
2	*See Diagram	I=Initial
3	*See Diagram	I=Initial
4	*See Diagram	I=Initial
5	*See Diagram	I=Initial
6	*See Diagram	I=Initial

Respectfully Submitted *BS*

City Design Group, Inc.

1204 Washington Avenue Suite 400
St. Louis, MO 63103

Page 1 of 1

Office: (314) 241-9072
Fax: (314) 3870

City Design Group, Inc.
Report of Field Density Tests

Date of Report:	July 23, 2016	Nuclear Density Equip. Serial/CDG	
Project Name:	Webster ISB	Density Standard:	2808.2
Client Name:	Geotechnology	Moisture Standard:	304.9
Technician Name:	Mark Arnold	CDG Project Number:	13250

Soil Information:

Proctor Density:	Visual Description:	Dry Density (lbs./ft. ³):	Optimum Moisture (%):
1) Soil Description:	Limestone Screenings	130.0	9.0
2) Soil Description:			
3) Soil Description:			

Field Test Information:

Test No.	Proctor Use (above)	Elevation (or lift #):	% Moisture:	Wet Density (lbs./ft. ³)	Dry Density (lbs./ft. ³):	% Dry Density:	Pass/Fail:
7	130.0	L4	10.7	146.9	137.8	102.2	P
8	130.0	L4	9.0	145.9	133.9	103.0	P

Test Location Information:

Test No.	Location: (Station#, Column/Wall Line, Physical Coordinates)	R=Retest I=Initial
7	*See Diagram	I=Initial
8	*See Diagram	I=Initial

Respectfully Submitted, *BS*

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St. Louis, MO 63103

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Fax: (314) 3870