MINUTES
GEORGIA WORLD CONGRESS CENTER AUTHORITY
BOARD OF GOVERNORS MEETING
Authority Board Room
November 30, 2021
12:30 p.m.

The following thirteen out of fifteen Board members were present:

Steve Adams
Don Balfour
Natahsa Bell
Maxine Burton
Ben Garrett
Glenn Hicks
Bill Jones
Aaron McWhorter
Jeff Payne
Bill Rice
Bill Russell
Doug Tollett
Dexter Warrior

Chair Russell called the meeting to order at 12:30 p.m.

APPROVAL OF MINUTES – October 26, 2021 Board of Governors Meeting

A motion to approve the October 26, 2021 Board of Governors meeting minutes was made by Jeff Payne, seconded by Bill Russell, and unanimously approved.

OCTOBER FINANCIAL REPORT
Frank Poe called on Janet Arsenault, Director of Finance, for the review of the October 2021 financial reports.

ATLANTA CONVENTION AND VISITORS BUREAU
William Pate, Atlanta Convention & Visitors Bureau (ACVB) President, presented the ACVB FY22 Business Plan. Gregory Pierce, ACVB Chief Financial Officer**,** presented the ACVB FY22 Financial Plan.

A motion to approve the ACVB FY22 Buisness and Financial Plan was made by Bill Russell, seconded by Dexter Warrior, and unanimously approved.

NOMINATING COMMITTEE REPORT
Bill Russell, Nominating Committee Chair, presented the proposed 2022 Slate of Officers, which was approved at the November 15, 2021 Nominating Committee meeting, for action.

Glenn Hicks - Chair
Brian Daniel - Vice Chair
Doug Tollett – Secretary
Dexter Warrior - Treasurer

A motion to approve the Nominating Committee's proposed 2022 Slate of Officers was made by Bill Russell, seconded by Don Balfour, and unanimously approved.

RESOLUTION – LIMITED AUTHORITY FOR FUTURE HOTEL CHANGE ORDERS

A motion to approve the resolution, a copy of which is attached as Exhibit A, was made my Doug Tollett, seconded by Jeff Payne, and unanimously approved.

RESOLUTION - HOTEL DEVELOPMENT CHANGE ORDER NUMBER 2

A motion was made to approve a Resolution, a copy of which is attached as Exhibit B hereto, was made by Dexter Warrior, seconded by Bill Jones, and unanimously approved.

RESOLUTION – ACQUISITION OF TWO SUPPLEMENTAL ELLIOTT STREET PARCELS

A motion to approve the Resolution, a copy of which is attached as Exhibit C, was made by Bill Russell, seconded by Steve Adams, and unanimously approved.

2022 GWCCA BOARD OF GOVERNORS MEETING SCHEDULE
The 2022 Board of Governors meeting schedule was presented.

The next regular meeting is scheduled for Tuesday, Janaury 25, 2022.

With no further business to discuss, a motion to adjourn was made by Jeff Payne, seconded by Dexter Warrior, and unanimously approved.

RESPECTFULLY SUBMITTED:

_____
Dale Aiken
Assistant Secretary

APPROVED:

_____
Doug Tollett
Secretary

EXHIBIT A

Resolution – Limited Authority for Future Hotel Change Orders
(3 pages*)*

Exhibit A to 11/30/21 Board meeting minutes

A RESOLUTION
OF
GEO. L. SMITH II GEORGIA WORLD CONGRESS CENTER AUTHORITY
GRANTING EXECUTIVE DIRECTOR EXPRESS LIMITED AUTHORITY
TO EXECUTE FUTURE CHANGE ORDERS
UNDER GUARANTEED MAXIMUM PRICE CONSTRUCTION AGREEMENT WITH
SKANSKA/SG, A GEORGIA JOINT VENTURE
FOR HOTEL PROJECT

WHEREAS, pursuant to O.C.G.A. § 10-9-4(a), the general purpose of the Authority is to acquire, construct, equip, maintain, and operate the project, including but not limited to the Georgia World Congress Center, Centennial Olympic Park, and other facilities, in whole or in part, directly or under contract with the Department of Economic Development or others, and to engage in such other activities as the Authority deems appropriate to promote trade shows, conventions, and political, musical, educational, entertainment, recreational, athletic, or other events and related tourism within the state so as to promote the use of the project and the use of the industrial, agricultural, educational, historical, cultural, recreational, commercial, and natural resources of the State of Georgia by those using the project or visiting the state or who may use the project or visit this state; and

WHEREAS, pursuant to O.C.G.A. §10-9-4(b)(6), the Authority has the power to make all contracts and to execute all instruments necessary or convenient to its purposes; and

WHEREAS, pursuant to O.C.G.A. §10-9-7 the management of the business and affairs of the Authority shall be vested in the Board of Governors; and

WHEREAS, pursuant to O.C.G.A. § 10-9-15(a), the Authority is required to operate the project so as to ensure its maximum use, and in connection with and incident to the operation of the project the Authority may engage in such activities as it deems appropriate to promote trade shows, conventions, and tourism within the state so as to promote the use of

Venture ("Skanska") entered into a Guaranteed Maximum Price Construction Agreement the project and the use of the industrial, agricultural, educational, historical, cultural, recreational, and natural resources of the State of Georgia by those using or visiting the project; and hotel and related infrastructure and facilities (the "Hotel"); and

WHEREAS, WHEREAS, on April 14, 2021, the Authority and Skanska/SG A Georgia Joint (the "Agreement"), pursuant to which Skanska agreed to provide those certain construction center pursuant to the Agreement the Authority and Skanska agreed that Changes in the Work and additions services in respect of the development of a new, full-service, upper-upscale to luxury convention and deductions to the Guaranteed Maximum Price may be accomplished after execution of the Agreement by one or more Change Orders agreed upon by the Authority and Skanska; and

WHEREAS, pursuant to Section 5 of Article VII of the Authority's Bylaws, the Executive Director is authorized to conduct, supervise, and manage the operation and maintenance of all facilities of the Authority, and to execute contracts related to the operation, in the ordinary course of business, of the project, including contracts for the use of the Authority's facilities, equipment, and services, but subject to the Bylaws and any policies, forms, and schedules as may be adopted or approved by the Board or Executive Director governing such

contracts, and also to sign and execute other contracts in the name of the Authority when authorized to do so by resolution of the Board and to sign and execute contracts in the name of the Authority which are authorized by the Board when no other officer is designated by the Board, and to exercise such other powers and perform such other duties as may be incident to the office of the Executive Director or as may be delegated or prescribed from time to time by the Board, by the Executive Committee, or by the Chair, to the extent such delegation or prescription is consistent with the Authority's Bylaws and to the extent such delegation or prescription is within the authority of that body or officer to direct; and

WHEREAS, pursuant to Section 14 of Article VII of the Authority's Bylaws, except to the extent such authority is conferred upon the Executive Director or other officers of the Authority under or pursuant to the Bylaws, no officer or employee of the Authority is authorized to enter into any written or oral agreement binding upon the Authority.

NOW THEREFORE BE IT RESOLVED by the Board of Governors of the Geo. L. Smith II Georgia World Congress Center Authority that the Executive Director expressly is authorized, though not required, to take such actions and to execute and deliver such documents as may be necessary or appropriate to effect the execution of one or more future change orders not exceeding the sum of $300,000.00 per change order under the Guaranteed Maximum Price Construction Agreement with Skanska/SG, a Georgia Joint Venture, provided however that the Executive Director generally shall exercise his best efforts to communicate his intentions to execute such future change order(s) in advance of execution to the individual members of the Development Committee of the Board of Governors (with a subsequent briefing, which may be conducted after execution of such future change order(s), by the Executive Director and his designees to the full Board of Governors), and only so long as such future change order(s) comply with the terms and conditions of the Guaranteed Maximum Price Construction Agreement and applicable law and, in the judgment of the Executive Director, are consistent with the corporate purposes and mission of the Authority and the Authority's sound business practices.

ADOPTED this 30th day of November, 2021.

_____

Glenn Hicks, Chair, Board of Governors
Geo. L. Smith II Georgia World Congress Center Authority

Attest: _____
Dale Aiken, Assistant Secretary

{Authority Seal}

EXHIBIT B

Resolution - Hotel Development Change Order Number 2
(40 pages)

A RESOLUTION
OF
GEO. L. SMITH II GEORGIA WORLD CONGRESS CENTER AUTHORITY
AUTHORIZING EXECUTION OF
CHANGE ORDER NUMBER 2
UNDER GUARANTEED MAXIMUM PRICE CONSTRUCTION AGREEMENT WITH
SKANSKA/SG, A GEORGIA JOINT VENTURE
FOR HOTEL PROJECT

WHEREAS, the Geo. L. Smith II Georgia World Congress Center Authority (the "Authority") operates the convention and tradeshow facility known as the Geo. L. Smith II Georgia World Congress Center, Centennial Olympic Park, and other facilities; and

WHEREAS, pursuant to O.C.G.A. § 10-9-4(a), the general purpose of the Authority is to acquire, construct, equip, maintain, and operate the project, including but not limited to the Georgia World Congress Center, Centennial Olympic Park, and other facilities, in whole or in part, directly or under contract with the Department of Economic Development or others, and to engage in such other activities as the Authority deems appropriate to promote trade shows, conventions, and political, musical, educational, entertainment, recreational, athletic, or other events and related tourism within the state so as to promote the use of the project and the use of the industrial, agricultural, educational, historical, cultural, recreational, commercial, and natural resources of the State of Georgia by those using the project or visiting the state or who may use the project or visit this state; and

WHEREAS, pursuant to O.C.G.A. §10-9-4(b)(6), the Authority has the power to make all contracts and to execute all instruments necessary or convenient to its purposes; and

WHEREAS, pursuant to O.C.G.A. §10-9-7 the management of the business and affairs of the Authority shall be vested in the Board of Governors; and

WHEREAS, pursuant to O.C.G.A. § 10-9-15(a), the Authority is required to operate the project so as to ensure its maximum use, and in connection with and incident to the operation of the project the Authority may engage in such activities as it deems appropriate to promote trade shows, conventions, and tourism within the state so as to promote the use of the project and the use of the industrial, agricultural, educational, historical, cultural, recreational, and natural resources of the State of Georgia by those using or visiting the project; and

WHEREAS, on April 14, 2021, the Authority and Skanska/SG A Georgia Joint Venture ("Skanska") previously entered into a Guaranteed Maximum Price Construction Agreement (the "Agreement"), pursuant to which Skanska agreed to provide those certain construction services in respect of the development of a new, full-service, upper-upscale to luxury convention center hotel and related infrastructure and facilities (the "Hotel"); and

WHEREAS, pursuant to the Agreement the Authority and Skanska agreed that Changes in the Work and additions and deductions to the Guaranteed Maximum Price may be accomplished after execution of the Agreement by Change Order agreed upon by the Authority and Skanska; and

WHEREAS, pursuant to Section 5 of Article VII of the Authority's Bylaws, the Executive Director is authorized to conduct, supervise, and manage the operation and maintenance of all facilities of the Authority, and to execute contracts related to the operation, in the ordinary course of business, of the project, including contracts for the use of the Authority's facilities, equipment, and services, but subject to the Bylaws and any policies, forms, and schedules as may be adopted or approved by the Board or Executive Director governing such contracts, and also to sign and execute other contracts in the name of the Authority when authorized to do so by resolution of the Board and to sign and execute contracts in the name of the Authority which are authorized by the Board when no other officer is designated by the Board, and to exercise such other powers and perform such other duties as may be incident to the office of the Executive Director or as may be delegated or prescribed from time to time by the Board, by the Executive Committee, or by the Chair, to the extent such delegation or prescription is consistent with the Authority's Bylaws and to the extent such delegation or prescription is within the authority of that body or officer to direct; and

WHEREAS, pursuant to Section 14 of Article VII of the Authority's Bylaws, except to the extent such authority is conferred upon the Executive Director or other officers of the Authority under or pursuant to the Bylaws, no officer or employee of the Authority is authorized to enter into any written or oral agreement binding upon the Authority.

NOW THEREFORE BE IT RESOLVED by the Board of Governors of the Geo. L. Smith II Georgia World Congress Center Authority that the Executive Director expressly is authorized, though not required, to take such actions and to execute and deliver such documents as may be necessary or appropriate to effect the execution of the proposed Change Order 2 (which proposed Change Order 2 substantially would be in the form attached hereto as Exhibit A), but only so long as such proposed Change Order 2 complies with the terms and conditions of the Agreement and applicable law and, in the judgment of the Executive Director, is consistent with the corporate purposes and mission of the Authority and the Authority's sound business practices.

ADOPTED this 30th day of November, 2021.

_____

Glenn Hicks, Chair, Board of Governors
Geo. L. Smith II Georgia World Congress Center Authority

Attest: _____
Dale Aiken, Assistant Secretary

{Authority Seal}

EXHIBIT A

A draft of Change Order No. 2 follows this page.
(72 Pages)

AIA® Document G701™ – 2017

Change Order

PROJECT: *(name and address)* Signia by Hilton Atlanta, Georgia World Congress Center, 159 Northside Drive NE, Atlanta, Georgia 30313	**CONTRACT INFORMATION:** Contract For: Construction of the New Signia Hilton Hotel, A full Service 975 Key Upper Up scale Convention Center Hotel Date:	**CHANGE ORDER INFORMATION:** Change Order Number: 002 Date: November 30, 2021
OWNER: *(name and address)* Geo. L. Smith II Georgia World Congress Center Authority, a Inc., instrumentality of the State of Georgia and a public corporation 285 Andrew Young International Blvd., NW Atlanta, Georgia 30313-1591	**ARCHITECT:** *(name and address)* M. Arthur Gensler Jr. & Associates, a California corporation 999 Peachtree Street, Suite 1400 Atlanta, Georgia 30308	**CONTRACTOR:** *(name and address)* Skanska/SG, a Joint Venture 245 Peachtree Center Avenue, Suite 2500 Atlanta, Georgia 30303

The Contract is changed as follows:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

This change order hereby incorporates the following documents, into the Construction Agreement between Geo. L. Smith II Georgia World Congress Center Authority (Owner) and Skanska/SG, a Joint Venture (Contractor) dated 14 April 2021,the final reconciliation of all of the drilled shafts/piers as a result of the final actual depths and quantities, attached hereto as Exhibit A. Note that the unit prices utilized for this reconciliation are less than the unit prices in the Agreement as agreed upon by the parties which resulted in a less expensive final cost.

The original Contract Sum was	$	308,252,440.00
The net change by previously authorized Change Orders	$	18,351,386.00
The Contract Sum prior to this Change Order was	$	326,603,826.00
The Contract Sum will be (increased by this Change Order in the amount of	$	524,660.00
The new Contract Sum, including this Change Order, will be	$	327,128,486.00

The Contract Time will be unchanged by TBD days.

The new date of Substantial Completion will be

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

M. Arthur Gensler Jr. & Associates, Inc	Skanska/SG, a Joint Venture	Geo L. Smith II Georgia World Center Center Authority
ARCHITECT *(Firm name)*	**CONTRACTOR** *(Firm name)*	**OWNER** *(Firm name)*
SIGNATURE	**SIGNATURE**	**SIGNATURE**
Robert M. Fischel, AIA	Mark Pasciuto, Project Executive	Frank Poe, Executive Director
PRINTED NAME AND TITLE	**PRINTED NAME AND TITLE**	**PRINTED NAME AND TITLE**

DATE	DATE	DATE

Exhibit A

_Authorization Reqeust

Skanska-SG A Joint Venture
2119001-000 - Signia by Hilton Atlanta, GWCC
159 Northside Drive NE
Atlanta, GA 30313
USA

2119001-000 Signia by Hilton Atlanta, GWCC

Authorization Request: 048 **Date: 11/17/2021**

To:

From: Veronica Gross
Skanska-SG A Joint Venture
245 Peachtree Center Avenue
Suite 2500
Atlanta, Georgia 30303
Tel: Fax:

Description	Status
Drilled Shafts/Piers - Actual Depths & Quantities as of 11/16/21 (62 of 62)	Pending

Reference	Required By	Amt Req	Days Req
	11/24/2021	$524,660.00	0

Notes

In accordance with the Standard Form of Agreement Between Geo. L. Smith II Georgia World Congress Center Authority ("Owner") and Skanska/SG, a Joint Venture ("Contractor"), and if Contractor is directed or otherwise authorized to proceed with the subject work, in advance of Change Order, the Owner shall issue a written Directive (CCD), per ARTICLE 7 CHANGES IN THE WORK; § 7.3 Construction Change Directives.

CE No	Date	Description	CE Category	CE Reason	Days Req
048	7/20/2021	Drilled Shafts/Piers - Actual Depths & Quantities as of 11/16/21 (62 of 62)	Change Order	Design Development	0

Item No	Company	Budget Code	Item Description		Amt Prop
001	ABE Enterprise Inc	200.02475000.5020.31.03.001	CAISSONS: ABE ENTERPRISE INC - Drilled Shaft Reconcilation for actual conditons - refer to drilled shaft tracking log for specfic details.		$489,057.00
Level 001	Skanska-SG A Joint Venture	110.01912000.5040.600.1.002	1.25% SDI		$6,113.00
Level 002	Skanska-SG A Joint Venture	110.01922500.5040.600.1.002	2.63% CCIP		$12,862.00
Level 003	Skanska-SG A Joint Venture	110.01911000.5040.600.1.002	.65% P&P Bonds		$3,179.00
Level 004	Skanska-SG A Joint Venture	900.26500000.4400.800.5.007	2.75% Fee		$13,449.00
				CE #048 Total	**$524,660.00**
				AR #048 Total:	**$524,660.00**

Submitted By:

Signature

Name Veronica Gross

Date

Approved By:

Signature

Name

Date

November 17, 2021

Ms. Erin Jones
Skanska/SG, a Joint Venture
159 Northside Drive NE
Atlanta, Georgia 30313

Subject: Change Order Request – Final Drilled Pier Reconciliation
Revision #1
Signia by Hilton
Georgia World Congress Center
Atlanta, Georgia

Dear Ms. Jones,

ABE Enterprises, Inc. ('ABE') is providing this Change Order Request in the amount of **$489,057** for final reconciliation between actual drilled pier lengths installed and bid lengths, rebar reconciliation, drilling through obstructions, and concrete overage. Below is a breakdown of this total cost.

Earth Length, 267.6 LF	$202,109
Rock Length, 61.2 LF	$155,020
Reinforcing Steel, 32.4 TN excess	$64,800
Obstruction Drilling, 38.5 Hrs	$57,750
Concrete Overage, 44,7 Cy	$9,378

Supporting documentation is attached

Please contact us if you have any questions or need additional information.

Sincerely,
ABE Enterprises, Inc.

Daniel C. Brahana, P.E.
Principal Engineer

ABE Final Reconciliation Summary as of 11/11/21

Drilled Pier Mark	Bid Lengths: No. of Piers	Bid Lengths: Earth Excavation	Bid Lengths: Rock Excavation	Bid Lengths: Total Length	Completed Lengths: No. Complete	Completed Lengths: Percent Complete	Completed Lengths: LF Earth Complete	Completed Lengths: LF Rock Complete	Completed Lengths: LF Earth Over	UP Earth Add	Total Earth Add	LF Rock Over	UP Rock Add	Total Rock Add	Obstruction Drilling	Concrete Overage
DP36	2	103.3	0.0	103.3	2	100%	112.62	0	9.3	$ 160.00	$ 1,491.20	0.0	$ 525.00	$ -	$ -	$ -
DP54	5	258.3	0.0	258.3	5	100%	253.36	2.27	-4.9	$ 235.00	$ (1,160.90)	2.3	$ 1,180.00	$ 2,678.60	$ -	$ 1,850.00
DP60	6	310.0	0.0	310.0	6	100%	325.43	0	15.4	$ 435.00	$ 6,712.05	0.0	$ 1,450.00	$ -	$ -	$ 1,050.00
DP66	3	154.3	0.0	154.3	3	100%	160.55	0	6.3	$ 530.00	$ 3,312.50	0.0	$ 1,760.00	$ -	$ 5,250.00	$ -
DP72	2	103.3	0.0	103.3	2	100%	133.77	3.97	30.5	$ 630.00	$ 19,196.10	4.0	$ 2,095.00	$ 8,317.15	$ 4,500.00	$ -
DP78	12	551.5	0.0	551.5	12	100%	567.83	16.72	16.3	$ 740.00	$ 12,084.20	16.7	$ 2,460.00	$ 41,131.20	$ 9,000.00	$ 4,126.00
DP78RS	9	378.2	31.5	409.7	9	100%	430.7	46.97	52.5	$ 740.00	$ 38,850.00	15.5	$ 2,460.00	$ 38,056.20	$ 17,250.00	$ -
DP84	18	761.2	0.0	761.2	18	100%	878.02	9.22	116.8	$ 855.00	$ 99,881.10	9.2	$ 2,850.00	$ 26,277.00	$ 8,250.00	$ 2,352.00
DP84RSA	2	83.0	9.0	92.0	2	100%	89.31	18.53	6.3	$ 855.00	$ 5,395.05	9.5	$ 2,850.00	$ 27,160.50	$ 13,500.00	$ -
DP84RSB	3	126.5	19.5	146.0	3	100%	145.62	23.5	19.1	$ 855.00	$ 16,347.60	4.0	$ 2,850.00	$ 11,400.00	$ -	$ -
TOTALS	62	2829.6	60.0	2889.6	62		3097.21	121.18	267.6		$ 202,108.90	61.2		$ 155,020.65	$ 57,750.00	$ 9,378.00

Partial Reconciliation Amount - Earth + Rock + Obstructions + Concrete Overage: $ 424,257.55 ; excluding reinforcing

+ additional reinforcing $64,800
($2000/tn x 32.4 tons)

= $489,057

Summary of Drilled Pier Reinforcing Reconciliation - 11/16/21

Pier Diameter (in)	LF Over	Vertical Bar Size (#)	No. of Bars	Bar Wt (lb/ft)	Total Vert. Wt. (lbs)	No. of Splices	Splice Length	Splice Wt. (lbs)	Tie Bar Size (#)	Tie Wt (lb/ea)	Tie Spacing (ft)	Total Tie Wt. (lbs)	Total Added Wt. (lbs) Verticals + Splices + Ties	
36	9.3	8	8	2.670	198.6	1	6.5	138.8	4	5.6	1	52.1	389.6	
54	0.0	9	12	3.400	0.0	4	9.33	1522.7	4	8.7	1	0.0	1522.7	
60	15.4	9	16	3.400	837.8	4	9.33	2030.2	4	9.8	1	150.9	3018.9	
66	6.3	9	18	3.400	385.6	1	9.33	571.0	4	10.8	1	68.0	1024.6	
72	34.4	9	20	3.400	2339.2	2	9.33	1268.9	4	11.9	1	409.4	4017.4	
78	101.0	9	24	3.400	8241.6	12	9.33	9135.9	4	12.9	1	1302.9	18680.4	
84	141.9	9	28	3.400	13508.9	15	9.33	13323.2	4	14.0	1	1986.6	28818.7	
84RSB	23.1	10	28	4.303	2783.2	3	11.8	4265.1	4	14.0	1	323.4	7371.7	
	331.4				28294.8	42		32255.9				4293.3	**64844.0**	lbs
					14.1			16.1				2.1	**32.4**	tons

November 17, 2021

Ms. Erin Jones
Skanska/SG, a Joint Venture
159 Northside Drive NE
Atlanta, Georgia 30313

Subject: Change Order Request – Drilled Pier Reinforcement Reconciliation
Revision #1
Signia by Hilton
Georgia World Congress Center
Atlanta, Georgia

Dear Ms. Jones,

ABE Enterprises, Inc. (ABE) is providing this change order request in the amount of **$64,800** to cover the cost of additional reinforcing for drilled pier lengths beyond the original contract values. This amount is for 32.4 tons of additional reinforcing at the contract unit rate of $2000/ton.

We have attached a spreadsheet that shows all the reinforcing that was delivered to the project for drilled piers. The 32.4 tons is material that was used for splicing piers and other miscellaneous requirements.

Please contact us if you have any questions or if you need additional information.

Sincerely,
ABE Enterprises, Inc.

Daniel C. Brahana, P.E.
Principal Engineer

1965 Vaughn Road, Suite C, Kennesaw, Georgia 30144 • (770) 425-5646 Fax (770) 428-5858

November 3, 2021

Ms. Erin Jones
Skanska/SG, a Joint Venture
159 Northside Drive NE
Atlanta, Georgia 30313

Subject: Cost Tracking - Drilling through Piles or Obstructions
Signia by Hilton
Georgia World Congress Center
Atlanta, Georgia

Dear Ms. Jones,

ABE Enterprises, Inc. (ABE) is providing this letter to update cost tracking for drilling through obstructions while installing drilled piers. During the week of October 18th, existing augercast piles were encountered at one additional location.

To date, we have encountered existing augercast piles, or rock lens, at eight locations. There are 2 remaining locations where the plans show the presence of old pile caps. These are piers 18 and 37. Pier 21, where the presence of old piles was thought possible, was completed last week with no issues, and pier number 20 was completed on 10/27/2021 with no obstruction. The following table summarizes the time required to penetrate the obstructions so far. We will update this table as the drilling progresses.

Summary of Drilling Through Obstructions

Drilled Pier Location	Time to Penetrate Obstruction	Cost
54	3 hrs	$4500
11	3 hrs	$4500
14	3.5 hrs	$5250
23	2.5 hrs	$3750
39	6 hrs	$9000
45	6.5 hrs	$9750
46	5.5 hrs	$8250
47	3.5 hrs	$5250
48	5 hrs	$7500
Total		$57,750

This time has been documented in or Daily Field Reports and on the Drilled Pier Reports. Please contact us if you have any questions or if we may be of further service.

Sincerely,

ABE Enterprises, Inc.

Brian Anderson, SEC

ABE ENTERPRISES, INC.

November 3, 2021

Ms. Erin Jones
Skanska/SG, a Joint Venture
159 Northside Drive NE
Atlanta, Georgia 30313

Subject: Concrete Overage – Cost Tracking
Signia by Hilton
Georgia World Congress Center
Atlanta, Georgia

Dear Ms. Jones,

During installation of the drilled piers, we have encountered subsurface conditions (voids, gravel layers, old structures, pipes, etc.) that have resulted in some piers requiring more than the anticipated amount of concrete. The following table presents a summary of the piers that have experienced concrete overages due to apparent subsurface issues.

Drilled Pier No.	Theoretical Concrete Vol (cy)	Actual Concrete Volume (cy)	CY Over	% Over	Amount
2	43.89	50	5	14%	$1050
13	36.88	47	8.81	27%	$1850
22	61.76	75	11.65	21%	$2446
49	93.98	103	8	10%	$1680
53	102.11	109.5	5	7%	$1050
57	105.85	114	6.2	8%	$1302
					$9,378.00

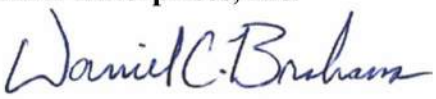
The six piers listed above are piers that we are tracking for concrete overages through October 29, 2021. Concrete overage for one additional pier (TC-2) was previously paid for in BT-32. We will update this list if additional subsurface conditions are encountered that require extra concrete.

Please contact us if you have any questions or if we may be of further service.

1965 Vaughn Road, Suite C, Kennesaw, Georgia 30144 • (770) 425-5646 Fax (770) 428-5858

Sincerely,

ABE Enterprises, Inc.



Daniel C. Brahana, P.E.
Principal Engineer

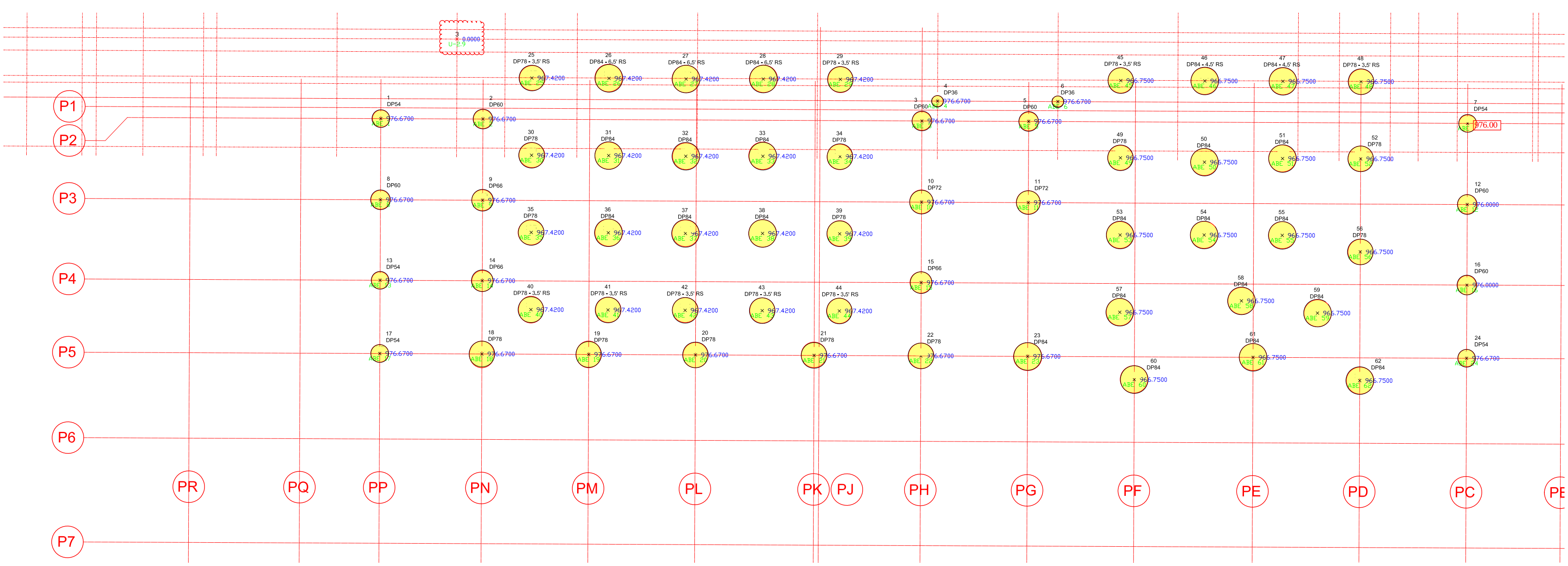
Individual Drilled Shaft information tracked weekly by Skanska/SG exclude rebar overage see ABE sheet above

TOWER CRANE - PEIRS (green rows: ABE NO. 1 and 8)

OLD TEXT - ROCK LENS

							GMP ELEVATIONS													
Dia. (in)	Rock Socket Type (RS)	ABE NO.	DATE OPENED	DRILLING COMPLETE	DATE POURED	Total Duration (work days)	a Contract Top of Pile Cap/ Mat Slab	b Pile Cap Thickness/ Mat Thickness	a-b=c Contract Top of Concrete	d TOP ROCK per geotechnical report	e Rock Socket (LF)	d-e=f Bottom of Shaft	c-d=g Total height (excludes RS-GMP)	c-f=h Total height (including RS-GMP)	AVG. GMP time per shaft	Initial Drill Sequence	a Actual Top of Pile Cap/Mat Slab	b Pile Cap Thickness/Mat Thickness	c Actual Top of Concrete	d Actual Top of Rock
54 "		1	09/14/21		09/16/21	3	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	21	978.67	2.00	971.11	926.04
60 "		2	09/21/21		09/22/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	24	978.67	2.00	976.72	914.31
60 "		3	09/13/21	09/13/21	09/14/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	19	978.67	2.00	974.95	915.8
36 "		4	09/08/21	09/09/21	09/11/21	3	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	16	978.67	2.00	976.5	916
60 "		5	09/10/21		09/13/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	18	978.67	2.00	976.34	918.62
36 "		6	09/03/21		09/08/21	4	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	14	978.67	2.00	974.63	922.51
54 "		7	08/28/21	08/30/21	09/01/21	3	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	9	978.67	2.00	975.95	920.7
60 "		8	09/21/21		09/23/21	3	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	25	978.67	2.00	970.89	929.25
66 "		9	10/01/21		10/06/21	4	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	35	978.67	2.00	976.14	923.71
72 "		10	09/15/21		09/27/21	9	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	28	978.67	2.00	975	907.94
72 "		11	09/28/21		09/29/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	31	978.67	2.00	976.8	910.19
60 "		12	08/30/21	09/01/21	09/02/21	4	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	10	978.67	2.00	975.94	925.11
54 "		13	09/22/21		09/23/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	26	978.67	2.00	976.58	926.4
66 "		14	10/06/21		10/08/21	3	978.00	2	976.00	925.00	0.00	925.00	51.00	51.00	0.00	36	978.00	2.00	976.77	927.32
66 "		15	09/30/21		10/01/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	33	978.67	2.00	976.68	918.01
60 "		16	09/02/21		09/03/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	12	978.67	2.00	976.02	922.34
54 "		17	09/23/21		09/27/21	3	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	29	978.67	2.00	976.75	932.86
78 "		18	11/10/21		11/11/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00		978.67	2.00	976	931.79
78 "		19	11/10/21		11/10/21	1	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00		978.67	2.00	976.59	924.15
78 "		20	10/26/21		10/27/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	47	978.67	2.00	976.68	918.16
78 "		21	10/21/21		10/22/21	2	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	43	978.67	2.00	976.68	927.25
78 "		22	10/22/21		10/23/21	1	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	44	978.67	2.00	976.67	926.42
84 "		23	10/06/21		10/09/21	3	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	37	978.67	2.00	976.65	923.83
54 "		24	09/02/21		09/07/21	4	978.67	2	976.67	925.00	0.00	925.00	51.67	51.67	0.00	13	978.67	2.00	975.06	916.09
78 "	RS	25	10/28/21		10/29/21	2	978.67	11.50	967.17	925.00	3.50	921.50	42.17	45.67	0.00	49	978.67	11.50	967.53	918.95
84 "	RS-B	26	10/13/21		10/21/21	7	978.67	11.50	967.17	925.00	6.50	918.50	42.17	48.67	0.00	40	978.67	11.50	967.37	916.56
84 "	RS-B	27	11/05/21		11/06/21	1	978.67	11.50	967.17	925.00	6.50	918.50	42.17	48.67	0.00	56	978.67	11.50	967.33	917.66
84 "	RS-B	28	10/28/21		10/29/21	2	978.67	11.50	967.17	925.00	6.50	918.50	42.17	48.67	0.00	50	978.67	11.50	967.39	922.28
78 "	RS	29	10/11/21		10/12/21	2	978.67	11.50	967.17	925.00	3.50	921.50	42.17	45.67	0.00	39	978.67	11.50	976.75	911.09
78 "		30	11/01/21		11/02/21	2	978.67	11.5	967.17	925.00	0.00	925.00	42.17	42.17	0.00	51	978.67	11.50	967.42	920.5
84 "		31	10/22/21		10/25/21	2	978.67	11.50	967.17	925.00	0.00	925.00	42.17	42.17	0.00	45	978.67	11.50	967.45	926.24
84 "		32	11/08/21		11/09/21	2	978.67	11.50	967.17	925.00	0.00	925.00	42.17	42.17	0.00		978.67	11.50	967.41	915.65
84 "		33	11/01/21		11/02/21	2	978.67	11.50	967.17	925.00	0.00	925.00	42.17	42.17	0.00	52	978.67	11.50	967.5	913.01
78 "		34	10/19/21		10/19/21	1	978.67	11.5	967.17	925.00	0.00	925.00	42.17	42.17	0.00	41	978.67	11.50	967.75	921.25
78 "		35	11/03/21		11/05/21	3	978.67	11.5	967.17	925.00	0.00	925.00	42.17	42.17	0.00	54	978.67	11.50	967.3	923
84 "		36	10/26/21		10/27/21	2	978.67	11.50	967.17	925.00	0.00	925.00	42.17	42.17	0.00	48	978.67	11.50	967.4	917.64
84 "		37	11/09/21		11/11/21	3	978.67	11.50	967.17	925.00	0.00	925.00	42.17	42.17	0.00		978.67	11.50	967.42	912.44
84 "		38	11/02/21		11/03/21	2	978.67	11.50	967.17	925.00	0.00	925.00	42.17	42.17	0.00	53	978.67	11.50	967.34	909.71
78 "		39	10/20/21		10/21/21	2	978.67	11.5	967.17	925.00	0.00	925.00	42.17	42.17	0.00	42	978.67	11.50	967.49	923
78 "	RS	40	11/08/21		11/09/21	2	978.67	11.50	967.17	925.00	3.50	921.50	42.17	45.67	0.00		978.67	11.50	967.42	929
78 "	RS	41	11/05/21		11/08/21	2	978.67	11.50	967.17	925.00	3.50	921.50	42.17	45.67	0.00	57	978.67	11.50	967.4	920.38
78 "	RS	42	11/05/21		11/05/21	1	978.67	11.50	967.17	925.00	3.50	921.50	42.17	45.67	0.00	55	978.67	11.50	967.38	923.44
78 "	RS	43	10/25/21		10/26/21	2	978.67	11.50	967.17	925.00	3.50	921.50	42.17	45.67	0.00	46	978.67	11.50	967.58	915.61
78 "	RS	44	10/11/21		10/13/21	3	978.67	11.50	967.17	925.00	3.50	921.50	42.17	45.67	0.00	38	978.67	11.50	967.4	925.07
78 "	**RS**	**45**	**09/17/21**		**09/22/21**	**3**	**978.00**	**11.50**	**966.50**	**925.00**	**3.50**	**921.50**	**41.50**	**45.00**	**0.00**	**22**	**978.00**	**11.50**	**966.63**	**926.44**
84 "	**RS-A**	**46**	**09/09/21**		**09/11/21**	**2**	**978.00**	**11.50**	**966.50**	**925.00**	**4.50**	**920.50**	**41.50**	**46.00**	**0.00**	**17**	**978.00**	**11.50**	**966.75**	**924.63**
84 "	**RS-A**	**47**	**08/23/21**		**08/25/21**	**3**	**978.00**	**11.50**	**966.50**	**925.00**	**4.50**	**920.50**	**41.50**	**46.00**	**0.00**	**6**	**978.00**	**11.50**	**966.5**	**928.9**
78 "	**RS**	**48**	**07/26/21**		**08/06/21**	**10**	**978.00**	**11.50**	**966.50**	**925.00**	**3.50**	**921.50**	**41.50**	**45.00**	**0.00**	**1**	**978.00**	**11.50**	**966.68**	**927.08**
78 "		49	09/23/21		09/24/21	2	978.00	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	27	978.00	11.50	967.04	918.6
84 "		50	09/13/21		09/14/21	2	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	20	978.00	11.50	966.75	916.14
84 "		51	08/26/21		08/29/21	2	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	7	978.00	11.50	966.78	925.37
78 "		52	08/09/21		08/11/21	3	978.00	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	2	978.00	11.50	966.70	925.63
84 "		53	09/27/21		09/28/21	2	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	30	978.00	11.50	966.8	917.17
84 "		54	09/15/21		09/16/21	2	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	23	978.00	11.50	966.7	915.53
84 "		55	08/28/21	08/30/21	09/01/21	3	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	8	978.00	11.50	966.73	922.36
78 "		56	08/12/21		08/13/21	2	978.00	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	3	978.00	11.50	966.84	925.58
84 "		57	09/29/21		09/30/21	2	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	32	978.00	11.50	966.83	912.27
84 "		58	09/07/21		09/08/21	2	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	15	978.00	11.50	966.75	923.55
84 "		59	08/19/21		08/20/21	2	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	5	978.00	11.50	966.78	925.09
84 "		60	10/01/21		10/04/21	2	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	34	978.00	11.50	966.74	915.92
84 "		61	09/02/21		09/03/21	2	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	11	978.00	11.50	966.65	925.93
84 "		62	08/16/21		08/18/21	3	978.0	11.5	966.50	925.00	0.00	925.00	41.50	41.50	0.00	4	978.00	11.50	966.86	919.64

	ACTUAL ELEVATIONS																				
ABE NO.	Bottom of Rock Lens	Top of RS	e Bottom of Shaft	Rock Lens (LF)	d-e=f Rock Socket (LF)	Soil Seam (LF)	c-d=g Total Height (excludes RS) LF	c-e=h Total Height (including RS) LF	Comments	Extra Rock Test?	Time Delta GMP vs Actual	ACTUAL L.F. SOIL	GMP L.F. SOIL	Delta Actual/GMP	Actual L.F. ROCK	GMP L.F. ROCK	Delta Actual/GMP	Actual hr Obstruction	ACTUAL CY CONCRETE	GMP CY CONCRETE	Delta Actual/GMP CY CONCRETE
1			922.04		4.00		45.07	49.07	rock socket pier to support the tower crane. The pier could not be poured	Yes - 2 total		45.07	51.67	(6.60)	0.00	0.00	0.00				
2			914.31		0.00		62.41	62.41	overburden voids			62.41	51.67	10.74	0.00	0.00	0.00		50.00	43.89	5.00
3			915.8		0.00		59.15	59.15		no		59.15	51.67	7.48	0.00	0.00	0.00				
4			916		0.00		60.50	60.50				60.50	51.67	8.83	0.00	0.00	0.00				
5			918.62		0.00		57.72	57.72		no		57.72	51.67	6.05	0.00	0.00	0.00				
6			922.51		0.00		52.12	52.12	ABE made an error calculating the cage length which resulted in the the cage being set low. Concrete held low in tandem with the low steel, to allow proper development length in the cap	no		52.12	51.67	0.45	0.00	0.00	0.00				
7			920.7		0.00		55.25	55.25	Finished drilling 8/30/21			55.25	51.67	3.58	0.00	0.00	0.00				
8			926.28		2.97		41.64	44.61	overburden voids			41.64	51.67	(10.03)	0.00	0.00	0.00				
9			923.71		0.00		52.43	52.43	Cage pushed down during casing extraction. Concrete held low for proper development length			52.43	51.67	0.76	0.00	0.00	0.00				
10			907.94		0.00		67.06	67.06	allow for rebar development in cap			67.06	51.67	15.39	0.00	0.00	0.00				
11			906.22		3.97		66.61	70.58	drilled 3.97 feet and then passed inspection	yes-2	1.00	66.61	51.67	14.94	3.97	0.00	3.97	3			
12			925.11		0.00		50.83	50.83		no		50.83	51.67	(0.84)	0.00	0.00	0.00				
13			924.13		2.27		50.18	52.45	overburden voids			50.18	51.67	(1.49)	2.27	0.00	2.27		47.00	36.88	8.81
14			927.32		0.00		49.45	49.45	Drilled through existing auger cast pile. 3.5 hrs extra drill time	yes-2	0.50	49.45	51.00	(1.55)	0.00	0.00	0.00	3.5			
15			918.01		0.00		58.67	58.67				58.67	51.67	7.00	0.00	0.00	0.00				
16			922.34		0.00		53.68	53.68		no		53.68	51.67	2.01	0.00	0.00	0.00				
17			932.86		0.00		43.89	43.89				43.89	51.67	(7.78)	0.00	0.00	0.00				
18			931.79		0.00		44.21	44.21				44.21	51.67	(7.46)	0.00	0.00	0.00				
19			924.15		0.00		52.44	52.44				52.44	51.67	0.77	0.00	0.00	0.00				
20			918.16		0.00		58.52	58.52		no		58.52	51.67	6.85	0.00	0.00	0.00				
21			927.25		0.00		49.43	49.43		no		49.43	51.67	(2.24)	0.00	0.00	0.00				
22			926.42		0.00		50.25	50.25	Extra 11.65 yds due to very large void approximnately 35' from top of ground.	no		50.25	51.67	(1.42)	0.00	0.00	0.00		75.00	61.76	11.65
23			922.21		1.62		52.82	54.44	Drilled through multiple auger cast piling and drill/oscillator connection broke. 2.5 hours extra drill time required after initial inspection failed. 3 days of lost drilling time due to repair work. Machine shop worked fulltime to expedite this repair	yes-2	0.50	52.82	51.67	1.15	1.62	0.00	1.62	2.5			
24			916.09		0.00		58.97	58.97	ABE made an error calculating the cage length which resulted in the the cage being set at 977 (design = 978.42). Concrete held low in tandem with the low steel, to allow proper development length in the cap	no		58.97	51.67	7.30	0.00	0.00	0.00				
25			911.95		7.00		48.58	55.58	After initial 3.5 rock socket was completed Nova determined the side wall of the socket did not meet specifications, therfore another 3.5 ft of rock was removed.	Yes- 2 total	0.50	48.58	42.17	6.41	7.00	3.50	3.50				
26			908.56		8.00		50.81	58.81		no		50.81	42.17	8.64	8.00	6.50	1.50				
27			911.16		6.50		49.67	56.17		no		49.67	42.17	7.50	6.50	6.50	0.00				
28			913.28		9.00		45.11	54.11	Soil seam found in test hole, bottom of shaft drilled down an extra 2.5 feet allowing a complete 6.5 rock socket without a seam	Yes-2 total	0.50	45.11	42.17	2.94	9.00	6.50	2.50				
29			905.93		5.16		65.66	70.82	Refusal met at 911.09. Rock not suitable, more rock removed for socket	Yes - 2 total	0.50	65.66	42.17	23.49	5.16	3.50	1.66				
30			917		3.50		46.92	50.42	soil seem found after initial inspection of test hole. 3.5' of rock removed in to remove soil seam and pass inspection per the spec	yes-2 total	0.50	46.92	42.17	4.75	3.50	0.00	3.50				
31			926.24		0.00		41.21	41.21		no		41.21	42.17	(0.96)	0.00	0.00	0.00				
32			915.65		0.00		51.76	51.76				51.76	42.17	9.59	0.00	0.00	0.00				
33			913.01		0.00		54.49	54.49		no		54.49	42.17	12.32	0.00	0.00	0.00				
34			921.25		0.00		46.50	46.50				46.50	42.17	4.33	0.00	0.00	0.00				
35			919		4.00		44.30	48.30	inspector determined 1/4 of the bottom of shaft was redusable materia. 4' of rock removed and brought to design spec	Yes-2 total	0.50	44.30	42.17	2.13	4.00	0.00	4.00				
36			917.64		0.00		49.76	49.76		no		49.76	42.17	7.59	0.00	0.00	0.00				
37			912.44		0.00		54.98	54.98				54.98	42.17	12.81	0.00	0.00	0.00				
38			909.71		0.00		57.63	57.63		no		57.63	42.17	15.46	0.00	0.00	0.00				
39			919		4.00		44.49	48.49	Drilled through auger cast pile, + 6 hrs drilling time	no		44.49	42.17	2.32	4.00	0.00	4.00	6			
40			925.5		3.50		38.42	41.92				38.42	42.17	(3.75)	3.50	3.50	0.00				
41			916.88		3.50		47.02	50.52				47.02	42.17	4.85	3.50	3.50	0.00				
42			919.94		3.50		43.94	47.44		no		43.94	42.17	1.77	3.50	3.50	0.00				
43			908.51		7.10		51.97	59.07	After first refusal , 3.5' was removed, hole was tested and didn't pass. Another 3.6' of material was removed to to make bottom of hole meet specifications	Yes - 2 total	0.50	51.97	42.17	9.80	7.10	3.50	3.60				
44			921.57		3.50		42.33	45.83	gravel seam 3' above top of concrete design elevation. During casing extraction water entered hole and covered 6" above finished concrete elevation			42.33	42.17	0.16	3.50	3.50	0.00				
45	**923.44**	**917.74**	**914.24**	**3**	**3.50**	**5.70**	**45.89**	**52.39**	**and removal of rock for rock socket. ABE CLAIMING ROCK PER 31 6329-3.4-**	**Yes - 2 total**	**1.00**	**45.89**	**41.50**	**4.39**	**6.50**	**3.50**	**3.00**	**6.5**			
46	**920.63**	**918.07**	**913.57**	**4**	**4.50**	**2.56**	**44.68**	**53.18**	**removal the rock lens turned to pour. Casing had to be added and advanced through rock lens. The lens was approx 4' thick. It took 5.5 hours to push**	**Yes - 2 total**	**0.50**	**44.68**	**41.50**	**3.18**	**8.50**	**4.50**	**4.00**	**5.50**			
47	**923.37**	**916.34**	**911.84**	**5.53**	**4.50**	**7.03**	**44.63**	**54.66**	**seams, rock fragments, and voids included in rock excavation area will be**	**Yes - 2 total**	**1.00**	**44.63**	**41.50**	**3.13**	**10.03**	**4.50**	**5.53**	**3.50**			
48	**923.37**	**916.08**	**912.58**	**3.71**	**3.50**	**7.29**	**46.89**	**54.10**	**ft. This resulted in added time that Skanska/SG is verifying. ABE CLAIMING**	**Yes - 2 total**	**0.50**	**46.89**	**41.50**	**5.39**	**7.21**	**3.50**	**3.71**	**5**			
49			918.6		0.00		48.44	48.44	groundwater issues			48.44	41.50	6.94	0.00	0.00	0.00		103.00	93.98	8.00
50			916.14		0.00		50.61	50.61		no		50.61	41.50	9.11	0.00	0.00	0.00				
51			920.77		4.60		41.41	46.01	Shaft failed inspection at refusal elevation. Additional 4.6' drilled into rock (3.5 hours), two test holes, and inspection (1.5 hrs)	Yes - 2 total	0.50	41.41	41.50	(0.09)	4.60	0.00	4.60				
52			920.41		5.22		41.07	46.29	clean out and hole test done.	Yes - 2 total	1.00	41.07	41.50	(0.43)	5.22	0.00	5.22				
53			914.17		3.00		49.63	52.63	voids 10-15' below grade caused extra concrete	no		49.63	41.50	8.13	3.00	0.00	3.00		109.50	102.11	5.00
54			915.53		0.00		51.17	51.17		no		51.17	41.50	9.67	0.00	0.00	0.00	3			
55			922.36		0.00		44.37	44.37	Note: during placement rebar cage lifted several feet during casing removal and could not be pushed back down. Rebar and concrete was removed. Day lost due to contractor error.	no		44.37	41.50	2.87	0.00	0.00	0.00				
56			925.58		0.00		41.26	41.26				41.26	41.50	(0.24)	0.00	0.00	0.00				
57			912.27		0.00		54.56	54.56	voids 10-15' below grade caused extra concrete			54.56	41.50	13.06	0.00	0.00	0.00		114.00	105.85	6.20
58			923.55		0.00		43.20	43.20		no		43.20	41.50	1.70	0.00	0.00	0.00				
59			925.09		0.00		41.69	41.69				41.69	41.50	0.19	0.00	0.00	0.00				
60			915.92		0.00		50.82	50.82				50.82	41.50	9.32	0.00	0.00	0.00				
61			925.93		0.00		40.72	40.72		no		40.72	41.50	(0.78)	0.00	0.00	0.00				
62			919.64		0.00		47.22	47.22				47.22	41.50	5.72	0.00	0.00	0.00				



ABE GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	1
Project Number:	1238	Drilled Pier Mark	DP54
General Contractor:	Skanska	Column Location:	PP-P2

General Information

Date Started:	9/14/23	Casing Type:	Continuous Segmental
Date Completed:	9/16/23	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		
Diameter:	54	in	60	in	
Ground Elevation:	978.67	ft	979.06	ft	
Top of Pier Elevation:	976.67	ft	971.11	ft	
Top of Rock Elevation:	925.00	ft	~~924.19~~	ft	926.04
Rock Socket:	0	ft	~~2.15~~	ft	4.0
Bottom of Pier Elevation:	925.00	ft	[redacted]		922.04
Approved Bearing Elevation	[redacted]			ft	
Bearing Pressure:	150	ksf		ksf	
Top of Cage Elevation:	978.42	ft	978;54	ft	
Cage Length:	53.17	ft	55.8	ft	
Column Dowels Required:	NO				
Theoretical Concrete Vol.:	30.4	cy	35.71	cy	
Actual Concrete Vol. Placed:	[redacted]		38.00	cy	

Drilled Pier Length

Overburden (ft):	7.95
Earth Length (ft):	53.02
Rock Length (ft):	2.15' 4'
Total Pier Length (ft):	57.02

Groundwater Conditions:

Pump Controlled

Concrete Placement Method:

Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Raye

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	2
Project Number:	1238	Drilled Pier Mark	DP60
General Contractor:	Skanska	Column Location:	PN-P2

General Information

Date Started:	9/21/21	Casing Type:	Continuous Segmental
Date Completed:	9/22/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	60	in	60	in
Ground Elevation:	978.67	ft	979.78	ft
Top of Pier Elevation:	976.67	ft	976.72	ft
Top of Rock Elevation:	925.00	ft	914.31	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	914.31 ft
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	978.42	ft
Cage Length:	53.17	ft	64.11	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	37.6	cy	45.32	cy
Actual Concrete Vol. Placed:	[redacted]		50	cy

Drilled Pier Length

Overburden (ft):	3.06
Earth Length (ft):	65.47
Rock Length (ft):	Ø
Total Pier Length (ft):	62.41

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Drilled through approx. 4' of loose gravel @ 12' from top of ground elevation. The void created from the gravel resulted in an extra 5 yards of concrete to bring the pier to design elevation.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer: [signature]

Skanska Representative: [signature]

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	3
Project Number:	1238	Drilled Pier Mark	DP60
General Contractor:	Skanska	Column Location:	PH-P2

General Information

Date Started:	9/13/21	Casing Type:	Continuous Segmental
Date Completed:	9/14/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	60	in	60	in
Ground Elevation:	978.67	ft	978.92	ft
Top of Pier Elevation:	976.67	ft	974.95	ft
Top of Rock Elevation:	925.00	ft	915.80	ft
Rock Socket:	0	ft	0	ft
Bottom of Pier Elevation:	925.00	ft		915.80
Approved Bearing Elevation			915.80	ft
Bearing Pressure:	150	ksf	150	ksf
Top of Cage Elevation:	978.42	ft	978.42	ft
Cage Length:	53.17	ft	62'-4"	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	37.6	cy	44.3	cy
Actual Concrete Vol. Placed:			46	cy

Drilled Pier Length

Overburden (ft):	2.25'
Earth Length (ft):	60.87'
Rock Length (ft):	0
Total Pier Length (ft):	60.87'

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Cliff Allen

Geotechnical Engineer:

Skanska Representative: A. Carter

DRILLED PIER REPORT

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	4
Project Number:	1238	Drilled Pier Mark	DP36
General Contractor:	Skanska	Column Location:	Q-2

General Information

Date Started:	9/8/21	Casing Type:	Continuous Segmental
Date Completed:	~~9/9/21~~ 9/11/21	Casing Diameter:	1180
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	36	in	60"	in
Ground Elevation:	978.67	ft	978.4	ft
Top of Pier Elevation:	976.67	ft		ft
Top of Rock Elevation:	925.00	ft	916	ft
Rock Socket:	0	ft	0	ft
Bottom of Pier Elevation:	925.00	ft		
Approved Bearing Elevation			~~150~~ 916	ft
Bearing Pressure:	150	ksf	150	ksf
Top of Cage Elevation:	978.42	ft	978.42	ft
Cage Length:	53.17	ft	62.17	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	13.5	cy	44.1	cy
Actual Concrete Vol. Placed:			46.0	cy

Drilled Pier Length

Overburden (ft):	1.73
Earth Length (ft):	60.67
Rock Length (ft):	0
Total Pier Length (ft):	60.67

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: NONE

Describe any deviations from specifications: NONE

ABE Representative: Phillip Allen

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	5
Project Number:	1238	Drilled Pier Mark	DP60
General Contractor:	Skanska	Column Location:	PG-P2

General Information

Date Started:	9/10/21	Casing Type:	Continuous Segmental
Date Completed:	9/13/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	60	in	60"	in
Ground Elevation:	978.67	ft	978.74	ft
Top of Pier Elevation:	976.67	ft	976.34	ft
Top of Rock Elevation:	925.00	ft	918.62	ft
Rock Socket:	0	ft	0	ft
Bottom of Pier Elevation:	925.00	ft		
Approved Bearing Elevation			918.62	ft
Bearing Pressure:	150	ksf	150	ksf
Top of Cage Elevation:	978.42	ft	978.42	ft
Cage Length:	53.17	ft	59'-6"	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	37.6	cy	42.2	cy
Actual Concrete Vol. Placed:			44	cy

Drilled Pier Length

Overburden (ft):	2.07'
Earth Length (ft):	58.05'
Rock Length (ft):	0
Total Pier Length (ft):	58.05

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Philip Allen

Geotechnical Engineer:

Skanska Representative: A. Carter

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	6
Project Number:	1238	Drilled Pier Mark	DP36
General Contractor:	Skanska	Column Location:	P-2

General Information

Date Started:	9/3/21	Casing Type:	Continuous Segmental
Date Completed:	9/8/21	Casing Diameter:	1180
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	36	in	~~60~~	in
Ground Elevation:	978.67	ft	978.55	ft
Top of Pier Elevation:	976.67	ft	974.63	ft
Top of Rock Elevation:	925.00	ft	922.51	ft
Rock Socket:	0	ft	0	ft
Bottom of Pier Elevation:	925.00	ft		
Approved Bearing Elevation			922.51	ft
Bearing Pressure:	150	ksf	150	ksf
Top of Cage Elevation:	978.42	ft	976.46	ft
Cage Length:	53.17	ft	54.75	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	13.5	cy	25.2	cy
Actual Concrete Vol. Placed:			42	cy

Drilled Pier Length

Overburden (ft):	1.88'
Earth Length (ft):	54.16'
Rock Length (ft):	0
Total Pier Length (ft):	54.16'

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Made a math error which led to cage being low. Didn't realize until after completed.

Describe any deviations from specifications:

ABE Representative:

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	7
Project Number:	1238	Drilled Pier Mark	DP54
General Contractor:	Skanska	Column Location:	PC-P2

General Information

Date Started:	8/28/21	Casing Type:	Continuous Segmental
Date Completed:	9/1/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	54	in	60	in
Ground Elevation:	978.67	ft	978.81	ft
Top of Pier Elevation:	976.00	ft	975.95	ft
Top of Rock Elevation:	925.00	ft	920.7	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	920.7
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.75	ft	977.53	ft
Cage Length:	53.17	ft	57.3	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	30.0	cy	40.37	cy
Actual Concrete Vol. Placed:	[redacted]		45.00	cy

Drilled Pier Length

Overburden (ft):	2.86
Earth Length (ft):	58.11
Rock Length (ft):	Ø
Total Pier Length (ft):	55.25

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Rayne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	8
Project Number:	1238	Drilled Pier Mark	DP60
General Contractor:	Skanska	Column Location:	PP-P3

General Information

Date Started:	9/21/21	Casing Type:	Continuous Segmental
Date Completed:	9/23/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	60	in	60	in	Overburden (ft):	8.72
Ground Elevation:	978.67	ft	979.61	ft	Earth Length (ft):	50.36
Top of Pier Elevation: 971.17	976.67	ft	970.89	ft	Rock Length (ft):	2.97
Top of Rock Elevation:	925.00	ft	929.25	ft	Total Pier Length (ft):	44.61
Rock Socket:	0	ft	[redacted]	ft 2.97		
Bottom of Pier Elevation:	925.00	ft	[redacted]	926.28	**Groundwater Conditions:**	
Approved Bearing Elevation	[redacted]			ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation: 977.84 ~~978.42~~		ft	979.80	ft	**Concrete Placement Method:**	
Cage Length:	53.17	ft	51.56	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	37.6	cy	32.62	cy		
Actual Concrete Vol. Placed:	[redacted]		37.00	cy		

Describe any difficulties during drilling or concreting: During the drilling process, encountered roughly 3 feet of gravel and water 8' from top of ground. While we poured the pier concrete dropped 8', filling the voids beneath. Needed 5 extra yards of concrete to bring top of pier to elevation.

~~Describe any deviations from specifications~~: Loose gravel and ground water in the overburden.

ABE Representative: Ryan Hayes 11.10.21

Geotechnical Engineer:

Skanska Representative:

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	9
Project Number:	1238	Drilled Pier Mark	DP66
General Contractor:	Skanska	Column Location:	PN-P3

General Information

Date Started:	10/1/2021	Casing Type:	Continuous Segmental
Date Completed:	10/6/2021	Casing Diameter:	1800
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	66	in	72	in
Ground Elevation:	978.67	ft	979.34	ft
Top of Pier Elevation:	976.67	ft	976.14	ft
Top of Rock Elevation:	925.00	ft	923.71	ft
Rock Socket:	0	ft	0	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	923.71
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	977.60	ft
Cage Length:	53.17	ft	54.71	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	45.5	cy	55.35	cy
Actual Concrete Vol. Placed:	[redacted]		59	cy

Drilled Pier Length

Overburden (ft):	3.2
Earth Length (ft):	55.63
Rock Length (ft):	0
Total Pier Length (ft):	52.43

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Cage pushed down during casing extraction. Concrete elevation left low to allow for more hook bar protrusion.

Describe any deviations from specifications:

ABE Representative:

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	10
Project Number:	1238	Drilled Pier Mark	DP72
General Contractor:	Skanska	Column Location:	PH-P3

General Information

Date Started:	9/15/21	Casing Type:	Continuous Segmental
Date Completed:	9/27/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	72	in	72	in
Ground Elevation:	978.67	ft	978.71	ft
Top of Pier Elevation:	976.67	ft	975.00	ft
Top of Rock Elevation:	925.00	ft	907.94	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	907.94 ft
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	977.1	ft
Cage Length:	53.17	ft	70.48	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	54.1	cy	71.93	cy
Actual Concrete Vol. Placed:	[redacted]		74.00	cy

Drilled Pier Length

Overburden (ft):	3.71
Earth Length (ft):	70.77
Rock Length (ft):	Ø
Total Pier Length (ft):	67.06

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Cage pushed down to elevation 977.1 (-1.32') design, during extraction of casing. Concrete was poured to an elevation of 975.00' (-1.67') from design allowing for rebar protrusion.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	11
Project Number:	1238	Drilled Pier Mark	DP72
General Contractor:	Skanska	Column Location:	PG-P3

General Information

Date Started:	9/28/21	Casing Type:	Continuous Segmental
Date Completed:	9/29/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	72	in	72	in
Ground Elevation:	978.67	ft	978.78	ft
Top of Pier Elevation:	976.67	ft	976.80	ft
Top of Rock Elevation:	925.00	ft	PR [redacted]	ft 910.19
Rock Socket:	0	ft	[redacted] PR	ft 3.97
Bottom of Pier Elevation:	925.00	ft	[redacted]	906.22
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	978.33	ft
Cage Length:	53.17	ft	72.20	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	54.1	cy	73.73	cy
Actual Concrete Vol. Placed:	[redacted]		83	cy

Drilled Pier Length

Overburden (ft):	1.98
Earth Length (ft):	[redacted] 68.59
Rock Length (ft):	PR [redacted] 3.97
Total Pier Length (ft):	70.58

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Drilled through existing auger-cast pile. (DP 11 refused @ elevation of 910.19, after inspection the bottom of the hole was found to have refusable material on one side of the shaft. 3.97' of [redacted] material was taken out and DP 11 passed inspection.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	12
Project Number:	1238	Drilled Pier Mark	DP60
General Contractor:	Skanska	Column Location:	PC-P3

General Information

Date Started:	8/30/21	Casing Type:	Continuous Segmental
Date Completed:	9/2/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	60	in	60	in
Ground Elevation:	978.67	ft	978.88	ft
Top of Pier Elevation:	976.00	ft	975.94	ft
Top of Rock Elevation:	925.00	ft	925.11	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	925.11
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.75	ft	977.56	ft
Cage Length:	53.17	ft	52.64	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	37.1	cy	36.98	cy
Actual Concrete Vol. Placed:	[redacted]		38.5	cy

Drilled Pier Length

Overburden (ft):	2.94
Earth Length (ft):	[redacted] 53.57
Rock Length (ft):	Ø
Total Pier Length (ft):	50.83

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer: Travis Howard

Skanska Representative: A. Cook

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	13
Project Number:	1238	Drilled Pier Mark	DP54
General Contractor:	Skanska	Column Location:	PP-P4

General Information

Date Started:	9/22/21	Casing Type:	Continuous Segmental
Date Completed:	9/23/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		
Diameter:	54	in	60	in	
Ground Elevation:	978.67	ft	979.00	ft	
Top of Pier Elevation:	976.67	ft	976.58	ft	
Top of Rock Elevation:	925.00	ft	926.4	ft	
Rock Socket:	0	ft	2.27	ft	
Bottom of Pier Elevation:	925.00	ft	[redacted]	924.13	
Approved Bearing Elevation	[redacted]			ft	
Bearing Pressure:	150	ksf		ksf	
Top of Cage Elevation:	978.42	ft	978.39	ft	
Cage Length:	53.17	ft	54.29	ft	
Column Dowels Required:	NO				
Theoretical Concrete Vol.:	30.4	cy	38.19	cy	
Actual Concrete Vol. Placed:	[redacted]		47.00	cy	

Drilled Pier Length

Overburden (ft):	2.42
Earth Length (ft):	50.18
Rock Length (ft):	2.27
Total Pier Length (ft):	52.45

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Large void roughly 35' from top of ground, 8.81 cuyards extra to bring pier to design elevation.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	14
Project Number:	1238	Drilled Pier Mark	DP66
General Contractor:	Skanska	Column Location:	PN-P4

General Information

Date Started:	10/6/21	Casing Type:	Continuous Segmental
Date Completed:	10/8/21	Casing Diameter:	1800
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	66	in	72	in
Ground Elevation:	978.67	ft	978.92	ft
Top of Pier Elevation:	976.67	ft	976.77	ft
Top of Rock Elevation:	925.00	ft	927.32	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	927.32
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	978.38	ft
Cage Length:	53.17	ft	51.1	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	45.5	cy	51.65	cy
Actual Concrete Vol. Placed:	[redacted]		57.5	cy

Drilled Pier Length

Overburden (ft):	2.15
Earth Length (ft):	51.6
Rock Length (ft):	Ø
Total Pier Length (ft):	49.45

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Drilled through existing auger cast pile. 3.5 hrs. extra drill time.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	15
Project Number:	1238	Drilled Pier Mark	DP66
General Contractor:	Skanska	Column Location:	PH-P4

General Information

Date Started:	9/30/21	Casing Type:	Continuous Segmental
Date Completed:	10/1/21	Casing Diameter:	1800
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	66	in	72	in
Ground Elevation:	978.67	ft	978.84	ft
Top of Pier Elevation:	976.67	ft	976.68	ft
Top of Rock Elevation:	925.00	ft	918.01	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	918.01	
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	978.41	ft
Cage Length:	53.17	ft	60.41	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	45.5	cy	61.39	cy
Actual Concrete Vol. Placed:			69.5	cy

Drilled Pier Length

Overburden (ft):	2.16
Earth Length (ft):	60.83
Rock Length (ft):	Ø
Total Pier Length (ft):	58.67

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	16
Project Number:	1238	Drilled Pier Mark	DP60
General Contractor:	Skanska	Column Location:	PC-P4

General Information

Date Started:	9/2/21	Casing Type:	Continuous Segmental
Date Completed:	9/3/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	60	in	60	in
Ground Elevation:	978.67	ft	978.48	ft
Top of Pier Elevation:	976.00	ft	976.02	ft
Top of Rock Elevation:	925.00	ft	922.34	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	922.34
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.75	ft	977.46	ft
Cage Length:	53.17	ft	55.41	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	37.1	cy	38.99	cy
Actual Concrete Vol. Placed:	[redacted]		[redacted]43	cy

Drilled Pier Length

Overburden (ft):	2.46
Earth Length (ft):	56.14
Rock Length (ft):	Ø
Total Pier Length (ft):	53.68

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Raye

Geotechnical Engineer: [signature]

Skanska Representative: [signature]

DRILLED PIER REPORT

GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	17
Project Number:	1238	Drilled Pier Mark	DP54
General Contractor:	Skanska	Column Location:	PP-P5

General Information

Date Started:	9/23/21	Casing Type:	Continuous Segmental
Date Completed:	9/27/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	54	in	60	in	Overburden (ft):	2.18
Ground Elevation:	978.67	ft	978.93	ft	Earth Length (ft):	46.07
Top of Pier Elevation:	976.67	ft	976.75	ft	Rock Length (ft):	0
Top of Rock Elevation:	925.00	ft	932.86	ft	Total Pier Length (ft):	43.89
Rock Socket:	0	ft	0	ft		
Bottom of Pier Elevation:	925.00	ft	[redacted]	932.86	**Groundwater Conditions:**	
Approved Bearing Elevation	[redacted]			ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	978.42	ft	978.44	ft	**Concrete Placement Method:**	
Cage Length:	53.17	ft	45.56	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	30.4	cy	31.84	cy		
Actual Concrete Vol. Placed:	[redacted]		36.00	cy		

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Faye

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	18
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	PN-P5

General Information

Date Started:	11/10/21	Casing Type:	Continuous Segmental
Date Completed:	11/11/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	78	in
Ground Elevation:	978.67	ft	979.45	ft
Top of Pier Elevation:	976.67	ft	976.00	ft
Top of Rock Elevation:	925.00	ft	931.79	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft		931.79 ft
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	977.92	ft
Cage Length:	53.17	ft	46.63	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	63.5	cy	56.58	cy
Actual Concrete Vol. Placed:			59.00	cy

Drilled Pier Length

Overburden (ft):	3.45
Earth Length (ft):	47.66
Rock Length (ft):	Ø
Total Pier Length (ft):	44.21

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications: Concrete poured to elev. ± 976.00 to allow for design rebar protrusion. Cage pushed down 0.5' during casing extraction.

ABE Representative: Ryan Pyle

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	19
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	PM-P5

General Information

Date Started:	11/10/21	Casing Type:	Continuous Segmental
Date Completed:	11/10/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	78	in
Ground Elevation:	978.67	ft	979.56	ft
Top of Pier Elevation:	976.67	ft	976.59	ft
Top of Rock Elevation:	925.00	ft	924.15	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	924.15
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	978.42	ft
Cage Length:	53.17	ft	54.27	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	63.5	cy	66.21	cy
Actual Concrete Vol. Placed:	[redacted]		70	cy

Drilled Pier Length

Overburden (ft):	2.97
Earth Length (ft):	55.41
Rock Length (ft):	Ø
Total Pier Length (ft):	52.44

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Page

Geotechnical Engineer: James Hooks

Skanska Representative:

DRILLED PIER REPORT

ABE ENTERPRISES 1994
GEOTECHNICAL CONTRACTORS

Project Name: GWCC Hotel
Project Number: 1238
General Contractor: Skanska

Drilled Pier No. 20
Drilled Pier Mark DP78
Column Location: PL-P5

General Information

Date Started: 10/26/21
Date Completed: 10/27/21
Drilling Method: Cased

Casing Type: Continuous Segmental
Casing Diameter: 2500

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	78	in
Ground Elevation:	978.67	ft	979.70	ft
Top of Pier Elevation:	976.67	ft	976.68	ft
Top of Rock Elevation:	925.00	ft	918.16	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft		918.16
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	978.40	ft
Cage Length:	53.17	ft	60.26	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	63.5	cy	74.1	cy
Actual Concrete Vol. Placed:			78.00	cy

Drilled Pier Length

Overburden (ft): 3.02 '
Earth Length (ft): 61.54 '
Rock Length (ft):
Total Pier Length (ft): 58.52'

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	21
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	PK-P5

General Information

Date Started:	10/21	Casing Type:	Continuous Segmental
Date Completed:	10/22	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	78	in
Ground Elevation:	978.67	ft	978.98	ft
Top of Pier Elevation:	976.67	ft	976.68	ft
Top of Rock Elevation:	925.00	ft	927.25	ft
Rock Socket:	0	ft	0	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	927.25
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	976.42	ft	978.41	ft
Cage Length:	53.17	ft	51.17	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	63.5	cy	62.21	cy
Actual Concrete Vol. Placed:	[redacted]		66	cy

Drilled Pier Length

Overburden (ft):	2.3
Earth Length (ft):	51.73
Rock Length (ft):	0
Total Pier Length (ft):	49.43

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting

Describe any deviations from specifications

ABE Representative: Ryan Page

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	22
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	PH-P5

General Information

Date Started:	10/22	Casing Type:	Continuous Segmental
Date Completed:	10/23	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	178	in
Ground Elevation:	978.67	ft	978.84	ft
Top of Pier Elevation:	976.67	ft	976.67	ft
Top of Rock Elevation:	925.00	ft	926.42	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	926.42 ft
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	978.42	ft
Cage Length:	53.17	ft	52	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	63.5	cy	63.35	cy
Actual Concrete Vol. Placed:	[redacted]		75	cy

Drilled Pier Length

Overburden (ft):	2.17
Earth Length (ft):	52.42
Rock Length (ft):	Ø
Total Pier Length (ft):	50.25

Groundwater Conditions: Pump Controlled

Concrete Placement Method: Free Fall - truck chute

Describe any difficulties during drilling or concreting: DP 22 took an extra 11.65 yards of concrete to bring pier to design elevation. This was due to a large void approx. 35' down from top of ground.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name: GWCC Hotel
Project Number: 1238
General Contractor: Skanska

Drilled Pier No. 23
Drilled Pier Mark DP84
Column Location: PG-P5

General Information

Date Started: 10/6/21
Date Completed: 10/9/21
Drilling Method: Cased

Casing Type: Continuous Segmental
Casing Diameter: 2500

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	979.13	ft
Top of Pier Elevation:	976.67	ft	976.65	ft
Top of Rock Elevation:	925.00	ft	923.83	ft
Rock Socket:	0	ft	1.62	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	922.21
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	978.42	ft	978.38	ft
Cage Length:	53.17	ft	54.46	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	73.6	cy	107.76	cy
Actual Concrete Vol. Placed:	[redacted]		112	cy

Drilled Pier Length

Overburden (ft): 2.48
Earth Length (ft): 55.3
Rock Length (ft): 1.62
Total Pier Length (ft): 54.44

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Drilled through auger cast pile, an extra 2.5 hrs, of drill time.

Describe any deviations from specifications:

ABE Representative: Ryan Rayle

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	24
Project Number:	1238	Drilled Pier Mark	DP54
General Contractor:	Skanska	Column Location:	PC-P5

General Information

Date Started:	9/2/21	Casing Type:	Continuous Segmental
Date Completed:	9/7/21	Casing Diameter:	1500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	54	in	59	in
Ground Elevation:	978.67	ft	978.15	ft
Top of Pier Elevation:	976.67	ft	975.06	ft
Top of Rock Elevation:	925.00	ft	916.09	ft
Rock Socket:	0	ft	0	ft
Bottom of Pier Elevation:	925.00	ft		
Approved Bearing Elevation			916.09	ft
Bearing Pressure:	150	ksf	150	ksf
Top of Cage Elevation:	978.42	ft	977	ft
Cage Length:	53.17	ft	60.4	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	30.4	cy	42.6	cy
Actual Concrete Vol. Placed:				cy

Drilled Pier Length

Overburden (ft):	1.48'
Earth Length (ft):	60.58'
Rock Length (ft):	0
Total Pier Length (ft):	60.58'

Groundwater Conditions:

Pump Controlled

Concrete Placement Method:

Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Phillip Allen

Geotechnical Engineer: Travis Hall

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	25
Project Number:	1238	Drilled Pier Mark	DP78RS
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	10/28/21	Casing Type:	Continuous Segmental
Date Completed:	10/29/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	78	in	78	in	Overburden (ft):	11.93
Ground Elevation:	978.67	ft	979.46	ft	Earth Length (ft):	60.51
Top of Pier Elevation:	967.42	ft	967.53	ft	Rock Length (ft):	7
Top of Rock Elevation:	925.00	ft	918.95	ft	Total Pier Length (ft):	55.58
Rock Socket:	3.5	ft	7	ft		
Bottom of Pier Elevation:	921.50	ft	[redacted]	911.95	**Groundwater Conditions:**	
Approved Bearing Elevation	[redacted]			ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.84	ft	977.84	ft	**Concrete Placement Method:**	
Cage Length:	56.09	ft	65.89	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	56.4	cy	69.93	cy		
Actual Concrete Vol. Placed:	[redacted]		76.00	cy		

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications: After initial 3.5 rock socket was completed Nova determined the side wall of the socket did not meet specifications, therefore another 3.5' of Rock was removed.

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

ABE Enterprises, Inc. 1965 Vaughn Rd, Suite C, Kennesaw, GA 30144

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	26
Project Number:	1238	Drilled Pier Mark	DP84RS-B
General Contractor:	Skanska	Column Location	Pass. Core

General Information

Date Started:	10/13/21	Casing Type:	Continuous Segmental
Date Completed:	10/21/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	979.15	ft
Top of Pier Elevation:	967.42	ft	967.37	ft
Top of Rock Elevation:	925.00	ft	916.56	ft
Rock Socket:	6.5	ft	8.	ft
Bottom of Pier Elevation:	918.50	ft	[redacted]	908.56
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure	150	ksf		ksf
Top of Cage Elevation:	977.84	ft	977.78	ft
Cage Length:	59.09	ft	69.28	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	69.7	cy	116.53	cy
Actual Concrete Vol. Placed:	[redacted]		120	cy

Drilled Pier Length

Overburden (ft):	11.78
Earth Length (ft):	62.59
Rock Length (ft):	8
Total Pier Length (ft):	58.81

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Poye

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	27
Project Number:	1238	Drilled Pier Mark	DP84RS-B
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	11/5/21	Casing Type:	Continuous Segmental
Date Completed:	11/6/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	84	in	98	in	Overburden (ft):	12.15
Ground Elevation:	978.67	ft	979.48	ft	Earth Length (ft):	61.82
Top of Pier Elevation:	967.42	ft	967.33	ft	Rock Length (ft):	6.5
Top of Rock Elevation:	925.00	ft	917.66	ft	Total Pier Length (ft):	56.17
Rock Socket:	6.5	ft	6.5	ft		
Bottom of Pier Elevation:	918.50	ft	[redacted]	911.16	**Groundwater Conditions:**	
Approved Bearing Elevation	[redacted]			ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.84	ft	977.59	ft	**Concrete Placement Method:**	
Cage Length:	59.09	ft	66.68	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	69.7	cy	111.38	cy		
Actual Concrete Vol. Placed:	[redacted]		115	cy		

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	28
Project Number:	1238	Drilled Pier Mark	DP84RS-B
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	10/28/21	Casing Type:	Continuous Segmental
Date Completed:	10/29/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		
Diameter:	84	in	98	in	
Ground Elevation:	978.67	ft	979.50	ft	
Top of Pier Elevation:	967.42	ft	967.39	ft	
Top of Rock Elevation:	925.00	ft	[illegible]	ft	922.28
Rock Socket:	6.5	ft	9	ft	
Bottom of Pier Elevation:	918.50	ft	[redacted]	ft	913.28
Approved Bearing Elevation	[redacted]			ft	
Bearing Pressure:	150	ksf		ksf	
Top of Cage Elevation:	977.84	ft	977.84	ft	
Cage Length:	59.09	ft	64.56	ft	
Column Dowels Required:	NO				
Theoretical Concrete Vol.:	69.7	cy	107.19	cy	
Actual Concrete Vol. Placed:	[redacted]		108.00	cy	

Drilled Pier Length

Overburden (ft):	12.11
Earth Length (ft):	57.22
Rock Length (ft):	9
Total Pier Length (ft):	54.11

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications: Soil seam found in test hole, bottom of shaft drilled down an extra 2.5 feet allowing a complete 6.5' Rock socket without a seam.

ABE Representative: Ryan Hayes

Geotechnical Engineer: [signature]

Skanska Representative: [signature]

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	29
Project Number:	1238	Drilled Pier Mark	DP78RS
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	10/11/21	Casing Type:	Continuous Segmental
Date Completed:	10/12/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	78	in	98	in	Overburden (ft):	11.27
Ground Elevation:	978.67	ft	979.02	ft	Earth Length (ft):	67.93
Top of Pier Elevation:	967.42	ft	976.75	ft	Rock Length (ft):	5.13'
Top of Rock Elevation:	925.00	ft	911.09	ft	Total Pier Length (ft):	61.82
Rock Socket:	3.5	ft	5.13	ft		
Bottom of Pier Elevation:	921.50	ft	[redacted]	905.93	**Groundwater Conditions:**	
Approved Bearing Elevation	[redacted]			ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.84	ft	977.84	ft	**Concrete Placement Method:**	
Cage Length:	56.09	ft	71.91	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	56.4	cy	121.68	cy		
Actual Concrete Vol. Placed:	[redacted]		126.00	cy		

Describe any difficulties during drilling or concreting: Refusal met @ 911.09, some material in socket not suitable for more rock needed to be taken out to complete socket.

Describe any deviations from specifications:

ABE Representative: Ryan Ayre

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	30
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:		Casing Type:	Continuous Segmental
Date Completed:		Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	78	in	78	in	Overburden (ft):	12.14
Ground Elevation:	978.67	ft	979.56	ft	Earth Length (ft):	59.06
Top of Pier Elevation:	967.42	ft	969.42	ft	Rock Length (ft):	3.5
Top of Rock Elevation:	925.00	ft	920.5	ft	Total Pier Length (ft):	50.42
Rock Socket:	0	ft	3.5	ft		
Bottom of Pier Elevation:	925.00	ft		917.00 ft	**Groundwater Conditions:**	
Approved Bearing Elevation				ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.84	ft	977.84	ft	**Concrete Placement Method:**	
Cage Length:	52.59	ft	60.83	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	52.1	cy	63.56	cy		
Actual Concrete Vol. Placed:			68	cy		

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications: Test hole past in rock after refusal @ ± of 920.5. Soil seam found in test hole approx 4' in length ~~to [redacted]~~ ending @ an ± of approx 917. 3.5' of rock was taken out in order to remove soil seam and bring bottom of SHAFT to design specs.

ABE Representative: Ryan Payne

Geotechnical Engineer: James Hayden

Skanska Representative:

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	31
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	10/22/21	Casing Type:	Continuous Segmental
Date Completed:	10/25/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		
Diameter:	84	in	98	in	
Ground Elevation:	978.67	ft	979.18	ft	
Top of Pier Elevation:	967.42	ft	967.45	ft	
Top of Rock Elevation:	925.00	ft	926.24	ft	
Rock Socket:	0	ft	Ø	ft	
Bottom of Pier Elevation:	925.00	ft	[redacted]	ft	926.24
Approved Bearing Elevation	[redacted]			ft	
Bearing Pressure:	150	ksf		ksf	
Top of Cage Elevation:	977.84	ft	978.00	ft	
Cage Length:	52.59	ft	51.6	ft	
Column Dowels Required:	NO				
Theoretical Concrete Vol.:	60.5	cy	81.53	cy	
Actual Concrete Vol. Placed:	[redacted]		85	cy	

Drilled Pier Length

Overburden (ft):	11.69
Earth Length (ft):	52.92
Rock Length (ft):	Ø
Total Pier Length (ft):	41.23

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Page

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	32
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	11/8/21	Casing Type:	Continuous Segmental
Date Completed:	11/9/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	979.57	ft
Top of Pier Elevation:	967.42	ft	967.41	ft
Top of Rock Elevation:	925.00	ft	915.65	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft		915.65
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.84	ft	977.84	ft
Cage Length:	52.59	ft	62.19	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	60.5	cy	102.49	cy
Actual Concrete Vol. Placed:			106.00	cy

Drilled Pier Length

Overburden (ft):	12.16
Earth Length (ft):	63.92
Rock Length (ft):	Ø
Total Pier Length (ft):	51.76

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Hayes

Geotechnical Engineer:

Skanska Representative:

GEOTECHNICAL CONTRACTORS

Project Name: GWCC Hotel
Project Number: 1238
General Contractor: Skanska

Drilled Pier No. 33
Drilled Pier Mark DP84
Column Location: Pass. Core

General Information

Date Started: 11/1/21
Date Completed: 11/2/21
Drilling Method: Cased

Casing Type: Continuous Segmental
Casing Diameter: 2500

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	979.75	ft
Top of Pier Elevation:	967.42	ft	967.5	ft
Top of Rock Elevation:	925.00	ft	913.01	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	913.01 ft
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.84	ft	977.84	ft
Cage Length:	52.59	ft	64.83	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	60.5	cy	107.18	cy
Actual Concrete Vol. Placed:	[redacted]		108.00	cy

Drilled Pier Length

Overburden (ft): [redacted] 12.25
Earth Length (ft): 66.74
Rock Length (ft): Ø
Total Pier Length (ft): 54.49

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne
Geotechnical Engineer:
Skanska Representative:

DRILLED PIER REPORT

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	34
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	10/19/21	Casing Type:	Continuous Segmental
Date Completed:	10/19/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	78	in	78	in	Overburden (ft):	11.21
Ground Elevation:	978.67	ft	978.86	ft	Earth Length (ft):	57.71
Top of Pier Elevation:	967.42	ft	967.75	ft	Rock Length (ft):	Ø
Top of Rock Elevation:	925.00	ft	921.25	ft	Total Pier Length (ft):	46.5
Rock Socket:	0	ft	Ø	ft		
Bottom of Pier Elevation:	925.00	ft	[redacted]	921.25	**Groundwater Conditions:**	
Approved Bearing Elevation	[redacted]			ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.84	ft	978.22	ft	**Concrete Placement Method:**	
Cage Length:	52.59	ft	56.59	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	52.1	cy	58.47	cy		
Actual Concrete Vol. Placed:	[redacted]		67.50	cy		

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative: A. Cole

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	35
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	11/3/21	Casing Type:	Continuous Segmental
Date Completed:	11/5/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	78	in
Ground Elevation:	978.67	ft	979.50	ft
Top of Pier Elevation:	967.42	ft	967.30	ft
Top of Rock Elevation:	925.00	ft	923.00	ft
Rock Socket:	0	ft	4	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	919.00
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.84	ft	977.75	ft
Cage Length:	52.59	ft	58.84	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	52.1	cy	61.04	cy
Actual Concrete Vol. Placed:	[redacted]		64.00	cy

Drilled Pier Length

Overburden (ft):	12.2
Earth Length (ft):	56.5
Rock Length (ft):	[redacted] 4
Total Pier Length (ft):	48.3

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications: After refusal was met @ ± 923 the inspector determined 1/4 of the bottom of the shaft was refusable Material, Resulting in 4' of rock being taken out, bring the bottom of shaft to design specs @ an elevation of 919

ABE Representative: Ryan Ryce

Geotechnical Engineer: James Hancock

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name: GWCC Hotel
Project Number: 1238
General Contractor: Skanska

Drilled Pier No.
Drilled Pier Mark: 36
Column Location: DP84 Pass. Core

General Information

Date Started: 10/26
Date Completed: 10/27
Drilling Method: Cased

Casing Type: Continuous Segmental
Casing Diameter: 2500

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	979.05	ft
Top of Pier Elevation:	967.42	ft	967.40	ft
Top of Rock Elevation:	925.00	ft	917.64	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	917.64	ft
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.84	ft	977.92	ft
Cage Length:	52.59	ft	60.2	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	60.5	cy	98.55	cy
Actual Concrete Vol. Placed:			102.00	cy

Drilled Pier Length

Overburden (ft): 11.65'
Earth Length (ft): 61.41'
Rock Length (ft): Ø'
Total Pier Length (ft): 49.76

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

ABE Enterprises, Inc. 1965 [illegible] Rd, Suite C, Kennesaw, GA

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	37
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	11/9/21	Casing Type:	Continuous Segmental
Date Completed:	11/11/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	979.81	ft
Top of Pier Elevation:	967.42	ft	967.42	ft
Top of Rock Elevation:	925.00	ft	912.44	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft		912.44
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.84	ft	977.73	ft
Cage Length:	52.59	ft	65.4	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	60.5	cy	108.85	cy
Actual Concrete Vol. Placed:			113.00	cy

Drilled Pier Length

Overburden (ft):	12.39
Earth Length (ft):	67.37
Rock Length (ft):	0
Total Pier Length (ft):	54.98

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall ~~truck chute~~ pumped

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative:

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	38
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	11/2/21	Casing Type:	Continuous Segmental
Date Completed:	11/3/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	84	in	98	in	Overburden (ft):	12.48
Ground Elevation:	978.67	ft	979.82	ft	Earth Length (ft):	70.11
Top of Pier Elevation:	967.42	ft	967.34	ft	Rock Length (ft):	Ø
Top of Rock Elevation:	925.00	ft	909.71	ft	Total Pier Length (ft):	57.63
Rock Socket:	0	ft	Ø	ft		
Bottom of Pier Elevation:	925.00	ft		909.71	**Groundwater Conditions:**	
Approved Bearing Elevation				ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.84	ft	977.92	ft	**Concrete Placement Method:**	
Cage Length:	52.59	ft	68.2	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	60.5	cy	114.25	cy		
Actual Concrete Vol. Placed:			117	cy		

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer: James Howard

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	39
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	10/20/21	Casing Type:	Continuous Segmental
Date Completed:	10/21/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	78	in
Ground Elevation:	978.67	ft	978.78	ft
Top of Pier Elevation:	967.42	ft	967.49	ft
Top of Rock Elevation:	925.00	ft	923.00	ft
Rock Socket:	0	ft	4'	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	919.00 ft
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.84	ft	977.76	ft
Cage Length:	52.59	ft	58.84	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	52.1	cy	61.04	cy
Actual Concrete Vol. Placed:	[redacted]		72.00	cy

Drilled Pier Length

Overburden (ft):	11.29
Earth Length (ft):	55.78
Rock Length (ft):	4
Total Pier Length (ft):	48.49

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Drilled through auger-cast pile. This process added 6 hrs of drilling time.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer: James Trowbridge

Skanska Representative:

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	40
Project Number:	1238	Drilled Pier Mark	DP78RS
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	11/8/21	Casing Type:	Continuous Segmental
Date Completed:	11/9/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		
Diameter:	78	in	[redacted]78	in	
Ground Elevation:	978.67	ft	979.40	ft	
Top of Pier Elevation:	967.42	ft	967.42	ft	
Top of Rock Elevation:	925.00	ft	929.00	ft	
Rock Socket:	3.5	ft	3.5	ft	
Bottom of Pier Elevation:	921.50	ft	[redacted]	925.5	
Approved Bearing Elevation	[redacted]			ft	
Bearing Pressure:	150	ksf		ksf	
Top of Cage Elevation:	977.84	ft	977.84	ft	
Cage Length:	56.09	ft	52.34	ft	
Column Dowels Required:	NO				
Theoretical Concrete Vol.:	56.4	cy	52.84	cy	
Actual Concrete Vol. Placed:	[redacted]		57	cy	

Drilled Pier Length

Overburden (ft):	11.98
Earth Length (ft):	50.4
Rock Length (ft):	3.5
Total Pier Length (ft):	41.92

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative:

Geotechnical Engineer:

Skanska Representative:

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	41
Project Number:	1238	Drilled Pier Mark	DP78RS
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	11/5/21	Casing Type:	Continuous Segmental
Date Completed:	11/8/21	Casing Diameter:	2500 mm
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		
Diameter:	78	in	78	in	
Ground Elevation:	978.67	ft	979.75	ft	
Top of Pier Elevation:	967.42	ft	967.40	ft	
Top of Rock Elevation:	925.00	ft	920.38	ft	
Rock Socket:	3.5	ft	3.5	ft	
Bottom of Pier Elevation:	921.50	ft			916.88
Approved Bearing Elevation				ft	
Bearing Pressure:	150	ksf		ksf	
Top of Cage Elevation:	977.84	ft	977.84	ft	
Cage Length:	56.09	ft	60.96	ft	
Column Dowels Required:	NO				
Theoretical Concrete Vol.:	56.4	cy	63.71	cy	
Actual Concrete Vol. Placed:			67.00	cy	

Drilled Pier Length

Overburden (ft):	12.35
Earth Length (ft):	59.37
Rock Length (ft):	3.5
Total Pier Length (ft):	50.52

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Ayre

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE ENTERPRISES INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	42
Project Number:	1238	Drilled Pier Mark	DP78RS
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	11/5/21	Casing Type:	Continuous Segmental
Date Completed:	11/5/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	78	in	78	in	Overburden (ft):	12.18
Ground Elevation:	978.67	ft	979.56	ft	Earth Length (ft):	56.12
Top of Pier Elevation:	967.42	ft	967.38	ft	Rock Length (ft):	3.5
Top of Rock Elevation:	925.00	ft	923.44	ft	Total Pier Length (ft):	47.44
Rock Socket:	3.5	ft	3.5	ft		
Bottom of Pier Elevation:	921.50	ft		9/19/24	**Groundwater Conditions:**	
Approved Bearing Elevation				ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.84	ft	977.43	ft	**Concrete Placement Method:**	
Cage Length:	56.09	ft	57.9	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	56.4	cy	59.85	cy		
Actual Concrete Vol. Placed:			63.00	cy		

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	43
Project Number:	1238	Drilled Pier Mark	DP78RS
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	10/25/21	Casing Type:	Continuous Segmental
Date Completed:	10/26/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		
Diameter:	78	in	78	in	
Ground Elevation:	978.67	ft	979.53	ft	
Top of Pier Elevation:	967.42	ft	967.58	ft	
Top of Rock Elevation:	925.00	ft	~~915.61~~	ft	915.61
Rock Socket:	3.5	ft	7.1	ft	
Bottom of Pier Elevation:	921.50	ft	[redacted]		908.51
Approved Bearing Elevation	[redacted]			ft	
Bearing Pressure:	150	ksf		ksf	
Top of Cage Elevation:	977.84	ft	977.84	ft	
Cage Length:	56.09	ft	69.33	ft	
Column Dowels Required:	NO				
Theoretical Concrete Vol.:	56.4	cy	74.27	cy	
Actual Concrete Vol. Placed:	[redacted]		78.00	cy	

Drilled Pier Length

Overburden (ft):	11.95
Earth Length (ft):	63.92
Rock Length (ft):	7.1
Total Pier Length (ft):	59.07

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications: After first refusal 3.5' of rock was taken out. Hole was tested & did not pass inspection. Another 3.6' of material was taken out to [redacted]. Make bottom of hole meet design specifications.

ABE Representative: Ryan Payne

Geotechnical Engineer: James Hendley

Skanska Representative: [signature]

DRILLED PIER REPORT

GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	44
Project Number:	1238	Drilled Pier Mark	DP78RS
General Contractor:	Skanska	Column Location:	Pass. Core

General Information

Date Started:	10/11/21	Casing Type:	Continuous Segmental
Date Completed:	10/13/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	78	in	78	in	Overburden (ft):	11.49
Ground Elevation:	978.67	ft	978.89	ft	Earth Length (ft):	53.82
Top of Pier Elevation:	967.42	ft	967.40	ft	Rock Length (ft):	3.5
Top of Rock Elevation:	925.00	ft	925.07	ft	Total Pier Length (ft):	45.83
Rock Socket:	3.5	ft	3.5	ft		
Bottom of Pier Elevation:	921.50	ft		921.57	**Groundwater Conditions:**	
Approved Bearing Elevation				ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.84	ft	977.84	ft	**Concrete Placement Method:**	
Cage Length:	56.09	ft	56.27	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	56.4	cy	59	cy		
Actual Concrete Vol. Placed:			61	cy		

Describe any difficulties during drilling or concreting: gravel seam 3' ~~top~~ above top of concrete design elevation. After starter sleeve extraction, ground water leached out of the gravel placing approximately 6" of water on top of finished concrete elevation.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer: David Hrovat

Skanska Representative: Andrew Carter

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	45
Project Number:	1238	Drilled Pier Mark	DP78RS
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	9/17/21	Casing Type:	Continuous Segmental
Date Completed:	9/22/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	78	in	98	in	Overburden (ft):	12.23
Ground Elevation:	978.67	ft	978.86	ft	Earth Length (ft):	52.42
Top of Pier Elevation:	966.75	ft	966.63	ft	Rock Length (ft):	12.12
Top of Rock Elevation:	925.00	ft	926.44	ft	Total Pier Length (ft):	52.39
Rock Socket:	3.5	ft	12.2	ft		
Bottom of Pier Elevation:	921.50	ft	[redacted]	914.24	**Groundwater Conditions:**	
Approved Bearing Elevation	[redacted]			ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.17	ft	977.17	ft	**Concrete Placement Method:**	
Cage Length:	55.42	ft	62.93	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	55.6	cy	103.9	cy		
Actual Concrete Vol. Placed:	[redacted]		108	cy		

Describe any difficulties during drilling or concreting: Refusal met @ elevation 926.44', ON Rock Lense. Broke through Lense after 3' ([redacted] 923.44) into unsuitable material For Rock socket (NON-Refusable). Drilling completed @ Elevation of 914.24.
This process took an extra 6.5 hrs. of work.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	46
Project Number:	1238	Drilled Pier Mark	DP84RS-A
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	9/9/21	Casing Type:	Continuous Segmental
Date Completed:	9/11/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	978.99	ft
Top of Pier Elevation:	966.75	ft	966.75	ft
Top of Rock Elevation:	925.00	ft	924.63	ft
Rock Socket:	4.5	ft	11.06	ft
Bottom of Pier Elevation:	920.50	ft		
Approved Bearing Elevation			913.57	ft
Bearing Pressure:	150	ksf	150	ksf
Top of Cage Elevation:	977.17	ft	977.17	ft
Cage Length:	56.42	ft	63'-4"	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	65.9	cy	103.3	cy
Actual Concrete Vol. Placed:				cy

Drilled Pier Length

Overburden (ft):	12.24'
Earth Length (ft):	42.12
Rock Length (ft):	11.06'
Total Pier Length (ft):	53.18

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: During Drilling A Rock Lens was incountered which Refusal was met, During Rock Socket Removeal the Rock Lens turned to Pwr. Casing had to be added and advanced thru Rock Lens. the Lens was approx. 4' thick
** It took 5.5 Hours to push thru Rock Lens with Casing

Describe any deviations from specifications:

ABE Representative:

Geotechnical Engineer:

Skanska Representative:

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name: GWCC Hotel
Project Number: 1238
General Contractor: Skanska

Drilled Pier No. 47
Drilled Pier Mark DP84RS-A
Column Location: Service Core

General Information

Date Started: 8/23/21
Date Completed: 8/25/21
Drilling Method: Cased

Casing Type: Continuous Segmental
Casing Diameter: 2500

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	977.82	ft
Top of Pier Elevation:	966.75	ft	966.5	ft
Top of Rock Elevation:	925.00	ft	928.90	ft
Rock Socket:	4.5	ft	17.06	ft
Bottom of Pier Elevation:	920.50	ft	[redacted]	911.84
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	977.22	ft
Cage Length:	56.42	ft	65.58	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	65.9	cy	108.66	cy
Actual Concrete Vol. Placed:	[redacted]		113	cy

Drilled Pier Length

Overburden (ft): 11.32
Earth Length (ft): 48.92
Rock Length (ft): 17.06
Total Pier Length (ft): 54.66

Groundwater Conditions: Pump Controlled

Concrete Placement Method: Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative: Andrew Carter A. Carter

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	48
Project Number:	1238	Drilled Pier Mark	DP78RS
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	7/26/21	Casing Type:	Continuous Segmental
Date Completed:	8/6/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	98	in
Ground Elevation:	978.67	ft	978.08	ft
Top of Pier Elevation:	966.75	ft	966.68	ft
Top of Rock Elevation:	925.00	ft	927.08	ft
Rock Socket:	3.5	ft	14.5	ft
Bottom of Pier Elevation:	921.50	ft		
Approved Bearing Elevation			912.58	ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	978.73	ft
Cage Length:	55.42	ft	64.59	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	55.6	cy	105	cy
Actual Concrete Vol. Placed:			117	cy

Drilled Pier Length

Overburden (ft):	11.4
Earth Length (ft):	39.6
Rock Length (ft):	14.5
Total Pier Length (ft):	54.1

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Rock Refusal was @ Elevation 927.08. We had to use the Roller Barrel to CORT Thru A 2'6" Rock lens. After the 927.08 There was a mixture of PWR and Dirt until we Got to 916.49

Describe any deviations from specifications:

ABE Representative:

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	49
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	9/23/21	Casing Type:	Continuous Segmental
Date Completed:	9/24/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		
Diameter:	78	in	98	in	
Ground Elevation:	978.67	ft	978.85	ft	
Top of Pier Elevation:	966.75	ft	967.04	ft	
Top of Rock Elevation:	925.00	ft	918.6	ft	
Rock Socket:	0	ft	Ø	ft	
Bottom of Pier Elevation:	925.00	ft	[redacted]	ft	9/8.6
Approved Bearing Elevation	[redacted]				
Bearing Pressure:	150	ksf		ksf	
Top of Cage Elevation:	977.17	ft	977.21	ft	
Cage Length:	51.92	ft	58.57	ft	
Column Dowels Required:	NO				
Theoretical Concrete Vol.:	51.3	cy	95.28	cy	
Actual Concrete Vol. Placed:	[redacted]		103.00	cy	

Drilled Pier Length

Overburden (ft):	11.81
Earth Length (ft):	60.25
Rock Length (ft):	Ø
Total Pier Length (ft):	48.44

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Needed [redacted] 8 yards extra to bring pier to installed elevation. Ground water [redacted] entering the caisson at design concrete elevations caisson poured 3" high to stop excess ground water from mixing with concrete at the top of pier.

Describe any deviations from specifications:

ABE Representative: Ryan Rayl

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	50
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	9/13/21	Casing Type:	Continuous Segmental
Date Completed:	9/14/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	979.01	ft
Top of Pier Elevation:	966.75	ft	966.75	ft
Top of Rock Elevation:	925.00	ft	916.14	ft
Rock Socket:	0	ft	0	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	916.14
Approved Bearing Elevation	[redacted]		916.14	ft
Bearing Pressure:	150	ksf	150	ksf
Top of Cage Elevation:	977.17	ft	977.17	ft
Cage Length:	51.92	ft	60'-9"	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	59.5	cy	98.9	cy
Actual Concrete Vol. Placed:	[redacted]		102	cy

Drilled Pier Length

Overburden (ft):	12.26'
Earth Length (ft):	50.61
Rock Length (ft):	0
Total Pier Length (ft):	50.61

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: [signature]

Geotechnical Engineer:

Skanska Representative: [signature]

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No:	51
Project Number:	1238	Drilled Pier Mark:	DP84
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	3/26/21	Casing Type:	Continuous Segmental
Date Completed:	3/27/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		Drilled Pier Length	
Diameter:	84	in	98	in	Overburden (ft):	10.57
Ground Elevation:	978.67	ft	978.35	ft	Earth Length (ft):	52.96
Top of Pier Elevation:	966.75	ft	966.78	ft	Rock Length (ft):	4.6
Top of Rock Elevation:	925.00	ft	925.37	ft	Total Pier Length (ft):	46.01
Rock Socket:	0	ft	4.6	ft		
Bottom of Pier Elevation:	925.00	ft		920.77	Groundwater Conditions:	
Approved Bearing Elevation				ft	Pump Controlled	
Bearing Pressure:	150	ksf		ksf		
Top of Cage Elevation:	977.17	ft	977.13	ft	Concrete Placement Method:	
Cage Length:	51.92	ft	56.4	ft	Free Fall - truck chute	
Column Dowels Required:	NO					
Theoretical Concrete Vol.:	59.5	cy	90.98	cy		
Actual Concrete Vol. Placed:			96.00	cy		

Describe any difficulties during drilling or concreting: Refusal met @ elevation 925.37. After DP 51 was cleared, the bottom of the shaft did not pass inspection. The pier was Drilled down to an elevation of 920.77. Two test holes were installed, and the bottom of shaft passed inspection. 3.5 hrs of work for the 4.6 of Rock that needed to be drilled.

Describe any deviations from specifications:

ABE Representative: Ryan Ryle

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	52
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	8/9/21	Casing Type:	Continuous Segmental
Date Completed:	8/11/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	98"	in
Ground Elevation:	978.67	ft	977.73	ft
Top of Pier Elevation:	966.75	ft	966.70	ft
Top of Rock Elevation:	925.00	ft	925.63	ft
Rock Socket:	0	ft	5.22	ft
Bottom of Pier Elevation:	925.00	ft	920.41	
Approved Bearing Elevation			920.41	ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	977.19	ft
Cage Length:	51.92	ft	57.01	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	51.3	cy	89	cy
Actual Concrete Vol. Placed:			98	cy

Drilled Pier Length

Overburden (ft):	10.98
Earth Length (ft):	52.1
Rock Length (ft):	5.22
Total Pier Length (ft):	46.34

Groundwater Conditions:

Pump Controlled

Concrete Placement Method:

~~Tremie Truck chute~~ Pumped

Describe any difficulties during drilling or concreting: DID REFUSAL AT 925.63 AND the Rock Failed inspection. this hole had to have an extra clean out and two extra test holes installed

~~XX~~ MAJOR Lightning STORM AND HEAVY RAIN Hit site AT 8' AND MARK. BUT WAS Able TO FINISH the POUR.

Describe any deviations from specifications:

ABE Representative:

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	53
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	9/27/21	Casing Type:	Continuous Segmental
Date Completed:	9/28/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	978.88	ft
Top of Pier Elevation:	966.75	ft	966.80	ft
Top of Rock Elevation:	925.00	ft	917.17	ft
Rock Socket:	0	ft	3'	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	914.17
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	977.17	ft
Cage Length:	51.92	ft	63	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	59.5	cy	104.04	cy
Actual Concrete Vol. Placed:	[redacted]		109.5	cy

Drilled Pier Length

Overburden (ft):	12.08
Earth Length (ft):	61.71
Rock Length (ft):	3
Total Pier Length (ft):	52.63

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Gravel and water 10 - 15' Down from starting ground elevation, created voids, causing extra concrete placement.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer: James Hook

Skanska Representative: A. Cole

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	54
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	9/15/21	Casing Type:	Continuous Segmental
Date Completed:	9/16/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	978.97	ft
Top of Pier Elevation:	966.75	ft	966.70	ft
Top of Rock Elevation:	925.00	ft	915.53	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	915.53
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	977.17	ft
Cage Length:	51.92	ft	61.64	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	59.5	cy	101.35	cy
Actual Concrete Vol. Placed:	[redacted]		106	cy

Drilled Pier Length

Overburden (ft):	12.27'
Earth Length (ft):	63.44'
Rock Length (ft):	0
Total Pier Length (ft):	51.17'

Groundwater Conditions: Pump Controlled

Concrete Placement Method: Free Fall - truck chute

Describe any difficulties during drilling or concreting: Drilled through 2 existing auger cast piles, approx. 3 hrs. extra drill time.

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

ABE Enterprises, Inc. 1965 Vaughn Rd, Suite C, ...

DRILLED PIER REPORT

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	55
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	9/28/21	Casing Type:	Continuous Segmental
Date Completed:	9/1/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed		
Diameter:	84	in	98	in	
Ground Elevation:	978.67	ft	978.55	ft	
Top of Pier Elevation:	966.75	ft	966.73	ft	
Top of Rock Elevation:	925.00	ft	922.36	ft	
Rock Socket:	0	ft	Ø	ft	
Bottom of Pier Elevation:	925.00	ft	[redacted]	ft	922.36
Approved Bearing Elevation	[redacted]			ft	
Bearing Pressure:	150	ksf		ksf	
Top of Cage Elevation:	977.17	ft	977.29	ft	
Cage Length:	51.92	ft	54.87	ft	
Column Dowels Required:	NO				
Theoretical Concrete Vol.:	59.5	cy	[redacted]	cy	89.34 RP
Actual Concrete Vol. Placed:	[redacted]		92.00	cy	

Drilled Pier Length

Overburden (ft):	11.82
Earth Length (ft):	[redacted] 56.19
Rock Length (ft):	Ø
Total Pier Length (ft):	44.37

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	56
Project Number:	1238	Drilled Pier Mark	DP78
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	8/11/21	Casing Type:	Continuous Segmental
Date Completed:	8/13/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	78	in	98	in
Ground Elevation:	978.67	ft	977.80	ft
Top of Pier Elevation:	966.75	ft	966.84	ft
Top of Rock Elevation:	925.00	ft	925.58	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft		
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	977.17	ft
Cage Length:	51.92	ft	51.59	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	51.3	cy	81.27	cy
Actual Concrete Vol. Placed:			90	cy

Drilled Pier Length

Overburden (ft):	10.96
Earth Length (ft):	52.22
Rock Length (ft):	Ø
Total Pier Length (ft):	41.26

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	57
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	9/29/21	Casing Type:	Continuous Segmental
Date Completed:	9/30/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	979.06	ft
Top of Pier Elevation:	966.75	ft	966.83	ft
Top of Rock Elevation:	925.00	ft	912.27	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	912.27
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	977.22	ft
Cage Length:	51.92	ft	64.9	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	59.5	cy	107.80	cy
Actual Concrete Vol. Placed:	[redacted]		114	cy

Drilled Pier Length

Overburden (ft):	12.23
Earth Length (ft):	66.79
Rock Length (ft):	Ø
Total Pier Length (ft):	54.56

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting: Gravel and wate 8-12' below starting ground elevation, may have caused voids which resulted in extra concrete usage.

Describe any deviations from specifications:

ABE Representative: Ryan Boyle

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name: GWCC Hotel
Project Number: 1238
General Contractor: Skanska

Drilled Pier No. 59
Drilled Pier Mark DP84
Column Location: Service Core

General Information

Date Started: 8/19/21
Date Completed: 8/20/21
Drilling Method: Cased

Casing Type: Continuous Segmental
Casing Diameter: 2500

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	977.43	ft
Top of Pier Elevation:	966.75	ft	966.78	ft
Top of Rock Elevation:	925.00	ft	925.09	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	[redacted]	925.09
Approved Bearing Elevation	[redacted]			ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	977.14	ft
Cage Length:	51.92	ft	52.08	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	59.5	cy	82.44	cy
Actual Concrete Vol. Placed:	[redacted]		86.00	.cy

Drilled Pier Length

Overburden (ft): 10.65
Earth Length (ft): 52.34
Rock Length (ft): Ø
Total Pier Length (ft): 41.69

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative: Kevin Breen

ABE
GEOTECHNICAL CONTRACTORS

DRILLED PIER REPORT

Project Name:	GWCC Hotel	Drilled Pier No.	60
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	10/1/21	Casing Type:	Continuous Segmental
Date Completed:	10/4/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	978.85	ft
Top of Pier Elevation:	966.75	ft	966.79	ft
Top of Rock Elevation:	925.00	ft	915.92	ft
Rock Socket:	0	ft	0	ft
Bottom of Pier Elevation:	925.00	ft		915.92
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	977.17	ft
Cage Length:	51.92	ft	61.25	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	59.5	cy	100.58	cy
Actual Concrete Vol. Placed:			105	cy

Drilled Pier Length

Overburden (ft):	12.06
Earth Length (ft):	62.93
Rock Length (ft):	0
Total Pier Length (ft):	50.87

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE ENTERPRISES, INC.
GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	61
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	9/2/21	Casing Type:	Continuous Segmental
Date Completed:	9/3/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	978.37	ft
Top of Pier Elevation:	966.75	ft	966.65	ft
Top of Rock Elevation:	925.00	ft	925.93	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft		925.93 ft
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	976.89	ft
Cage Length:	51.92	ft	51.24	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	59.5	cy	82.15	cy
Actual Concrete Vol. Placed:			83.00	cy

Drilled Pier Length

Overburden (ft):	11.72
Earth Length (ft):	52.44
Rock Length (ft):	Ø
Total Pier Length (ft):	40.72

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

DRILLED PIER REPORT

ABE GEOTECHNICAL CONTRACTORS

Project Name:	GWCC Hotel	Drilled Pier No.	62
Project Number:	1238	Drilled Pier Mark	DP84
General Contractor:	Skanska	Column Location:	Service Core

General Information

Date Started:	8/16/21	Casing Type:	Continuous Segmental
Date Completed:	8/18/21	Casing Diameter:	2500
Drilling Method:	Cased		

Drilled Pier Information

	Design		Installed	
Diameter:	84	in	98	in
Ground Elevation:	978.67	ft	978.32	ft
Top of Pier Elevation:	966.75	ft	966.86	ft
Top of Rock Elevation:	925.00	ft	919.64	ft
Rock Socket:	0	ft	Ø	ft
Bottom of Pier Elevation:	925.00	ft	919.64	
Approved Bearing Elevation				ft
Bearing Pressure:	150	ksf		ksf
Top of Cage Elevation:	977.17	ft	977.13	ft
Cage Length:	51.92	ft	57.53	ft
Column Dowels Required:	NO			
Theoretical Concrete Vol.:	59.5	cy	93.22	cy
Actual Concrete Vol. Placed:			99	cy

Drilled Pier Length

Overburden (ft):	11.46
Earth Length (ft):	58.68
Rock Length (ft):	Ø
Total Pier Length (ft):	47.22

Groundwater Conditions:
Pump Controlled

Concrete Placement Method:
Free Fall - truck chute

Describe any difficulties during drilling or concreting:

Describe any deviations from specifications:

ABE Representative: Ryan Payne

Geotechnical Engineer:

Skanska Representative:

EXHIBIT C

Resolution – Acquisition of Two Supplemental Elliott Street Parcels
(4 pages)

A RESOLUTION
OF
THE GEO. L. SMITH II GEORGIA WORLD CONGRESS CENTER AUTHORITY
REGARDING
ACQUISITION OF **SUPPLEMENTAL** ELLIOTT STREET PARCELS

WHEREAS, the Geo. L. Smith II Georgia World Congress Center Authority (the "Authority") operates the convention and tradeshow facility known as the Geo. L. Smith II Georgia World Congress Center (the "Center"), Centennial Olympic Park, and other facilities; and

WHEREAS, pursuant to O.C.G.A. § 10-9-4(a), the general purpose of the Authority is to acquire, construct, equip, maintain, and operate the project, including but not limited to the Georgia World Congress Center, Centennial Olympic Park, and other facilities, in whole or in part, directly or under contract with the Department of Economic Development or others, and to engage in such other activities as the Authority deems appropriate to promote trade shows, conventions, and political, musical, educational, entertainment, recreational, athletic, or other events and related tourism within the state so as to promote the use of the project and the use of the industrial, agricultural, educational, historical, cultural, recreational, commercial, and natural resources of the State of Georgia by those using the project or visiting the state or who may use the project or visit this state; and

WHEREAS, pursuant to O.C.G.A. §10-9-4(b)(6), the Authority has the power to make all contracts and to execute all instruments necessary or convenient to its purposes; and

WHEREAS, pursuant to O.C.G.A. §10-9-4(b)(5), the Authority has the power to acquire, by purchase, gift, lease, or otherwise and to own, hold, improve, and use real and personal property of every kind and character, or any interest therein, for its corporate purposes; and

WHEREAS, pursuant to O.C.G.A. §10-9-4(b)(12) and (13), the Authority shall have the power to exercise any power usually possessed by private corporations performing similar functions which is not in conflict with the Constitution and the laws of the State of Georgia and to do all things necessary or convenient to carry out the powers expressly given in Chapter 9 of Title 10 of the Official Code of Georgia Annotated; and

WHEREAS, pursuant to O.C.G.A. §10-9-7 the management of the business and affairs of the Authority shall be vested in the Board of Governors, and the Board of Governors shall have the power to make bylaws, rules, and regulations for the operation, management, and maintenance of the Georgia World Congress Center, Centennial Olympic Park, and all other projects and properties of the Authority or as may be under the management and control of the Authority; and

WHEREAS, pursuant to O.C.G.A. § 10-9-15(a), the Authority is required to operate the project so as to ensure its maximum use, and in connection with and incident to the operation of the project the Authority may engage in such activities as it deems appropriate to promote trade shows, conventions, and tourism within the state so as to promote the use of the project and the use of the industrial, agricultural, educational, historical, cultural, recreational, and natural resources of the State of Georgia by those using or visiting the project; and

WHEREAS, the state of Georgia, acting by and through the State Properties Commission, seeks to convey to the Authority those two parcels identified in Exhibit A (referred to herein as the "**Supplemental Elliott Street Parcels**") essentially to be utilized to effect the Authority's statutory mission; and

WHEREAS, pursuant to Section 5 of Article VII of the Authority's Bylaws, the Executive Director (as that term is defined in the Bylaws, Article VII, Section 5) is authorized to conduct, supervise, and manage the operation and maintenance of all facilities of the Authority, and to execute contracts related to the operation, in the ordinary course of business, of the project, including contracts for the use of the Authority's facilities, equipment, and services, but subject to the Bylaws and any policies, forms, and schedules as may be adopted or approved by the Board or Executive Director governing such contracts, and also to sign and execute other contracts in the name of the Authority when authorized to do so by resolution of the Board and to sign and execute contracts in the name of the Authority which are authorized by the Board when no other officer is designated by the Board, and to exercise such other powers and perform such other duties as may be incident to the office of the Executive Director or as may be delegated or prescribed from time to time by the Board, by the Executive Committee, or by the Chair, to the extent such delegation or prescription is consistent with the Authority's Bylaws and to the extent such delegation or prescription is within the authority of that body or officer to direct; and

WHEREAS, pursuant to Section 14 of Article VII of the Authority's Bylaws, except to the extent such authority is conferred upon the Executive Director or other officers of the Authority under or pursuant to the Bylaws, no officer or employee of the Authority is authorized to enter into any written or oral agreement binding upon the Authority.

NOW, THEREFORE, BE IT RESOLVED by the Board of Governors of the Geo. L. Smith II Georgia World Congress Center Authority that the Executive Director expressly is authorized to coordinate with the State Properties Commission regarding the terms and conditions of a proposed acquisition of the Supplemental Elliott Street Parcels and, in case those actions are successful, then the Executive Director is authorized, though not required, to take such actions and to execute and deliver such documents as may be necessary or appropriate to effect the acquisition of the Supplemental Elliott Street Parcels, but only so long as such proposed acquisition complies with applicable law and, in the judgment of the Executive Director, is consistent with the corporate purposes and mission of the Authority and the Authority's sound business practices.

BE IT FURTHER RESOLVED that that the Executive Director is authorized to take any and all actions, to execute and deliver any and all documents, agreements, certificates and instruments and to take any and all steps deemed by the Executive Director to be necessary or desirable to carry out the purpose and intent of the foregoing resolution, and all actions heretofore taken in furtherance thereof are hereby ratified and confirmed in all respects.

ADOPTED this 30th day of November, 2021.

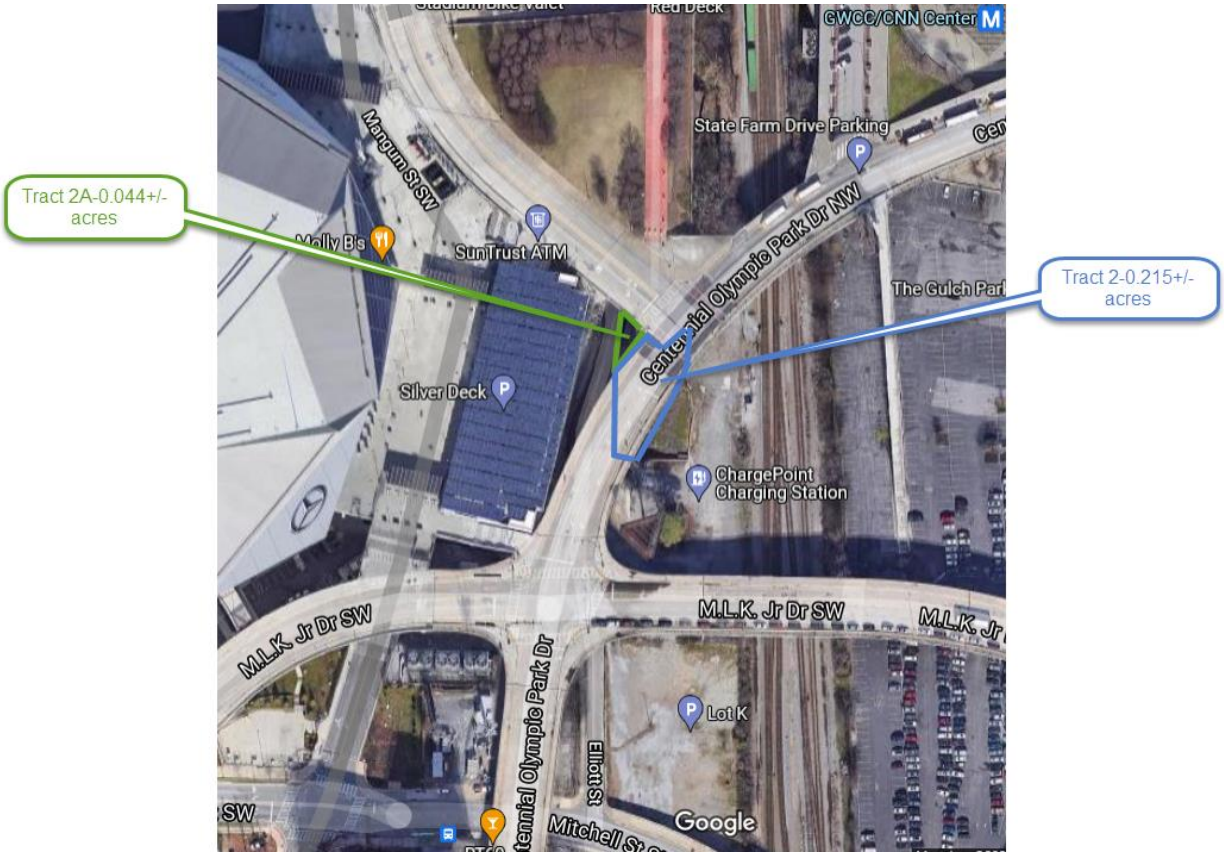
_____

Glenn Hicks, Chair, Board of Governors
Geo. L. Smith II Georgia World Congress Center Authority

Attest: _____
Dale Aiken, Assistant Secretary

{Authority Seal}

EXHIBIT A


Tract 2A-0.044+/- acres
Tract 2-0.215+/- acres
GWCC/CNN Center
State Farm Drive Parking
Mangum St SW
Molly B's
SunTrust ATM
Centennial Olympic Park Dr NW
The Gulch Park
Silver Deck
ChargePoint Charging Station
M.L.K. Jr Dr SW
Centennial Olympic Park Dr
Lot K
Elliott St
Mitchell St
Google