ADDENDUM NO. 1

Date: May 22, 2025

To: ALL BIDDERS OF RECORD

From: Frankfurt-Short-Bruza Associates, P.C. (FSB)
5801 N. Broadway Ext., Suite 500
Oklahoma City, OK 73118

Subject: **PN AQRC 189015 - NJ ANG F-16 MTC (FLIGHT SIMULATOR FACILITY), Atlantic City ANGB, New Jersey**

FSB Project No.: FSB2022-130-00

NOTE: This Addendum forms a part of the Contract Documents and modifies the Original Documents dated May 15, 2025. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

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ATTACHMENTS

Items in this addendum take precedence over the original bid documents. Items not specifically revised remain in effect. This addendum consists of (2) pages and the following attachments:

Specifications:
N/A.

Drawings:

B-100 – GEOTECHNICAL – BORING LOCATION PLAN	May 22, 2025
B-104 – GEOTECHNICAL – BORING LOGS SHEET 4 OF 4	May 22, 2025

MODIFICATIONS TO THE CONDITIONS OF THE CONTRACT

N/A.

MODIFICATIONS TO THE SPECIFICATIONS

N/A.

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Oklahoma City, OK 73118-7436
405.840.2931 | fsb-ae.com

MODIFICATIONS TO THE DRAWINGS

ITEM 001.1-1 Refer to attached Drawing **B-100 - GEOTECHNICAL - BORING LOCATION PLAN**, (Revision) dated May 22, 2025:

1. Drawing B-100 is hereby **revised and re-issued** in its entirety. Replace Drawing B-100 dated May 15, 2025 with attached revised Drawing B-100 (Revision) dated May 22, 2025.

ITEM 001.1-2 Refer to attached Drawing **B-104 - GEOTECHNICAL - BORING LOGS SHEET 4 OF 4**, (Revision) dated May 22, 2025:

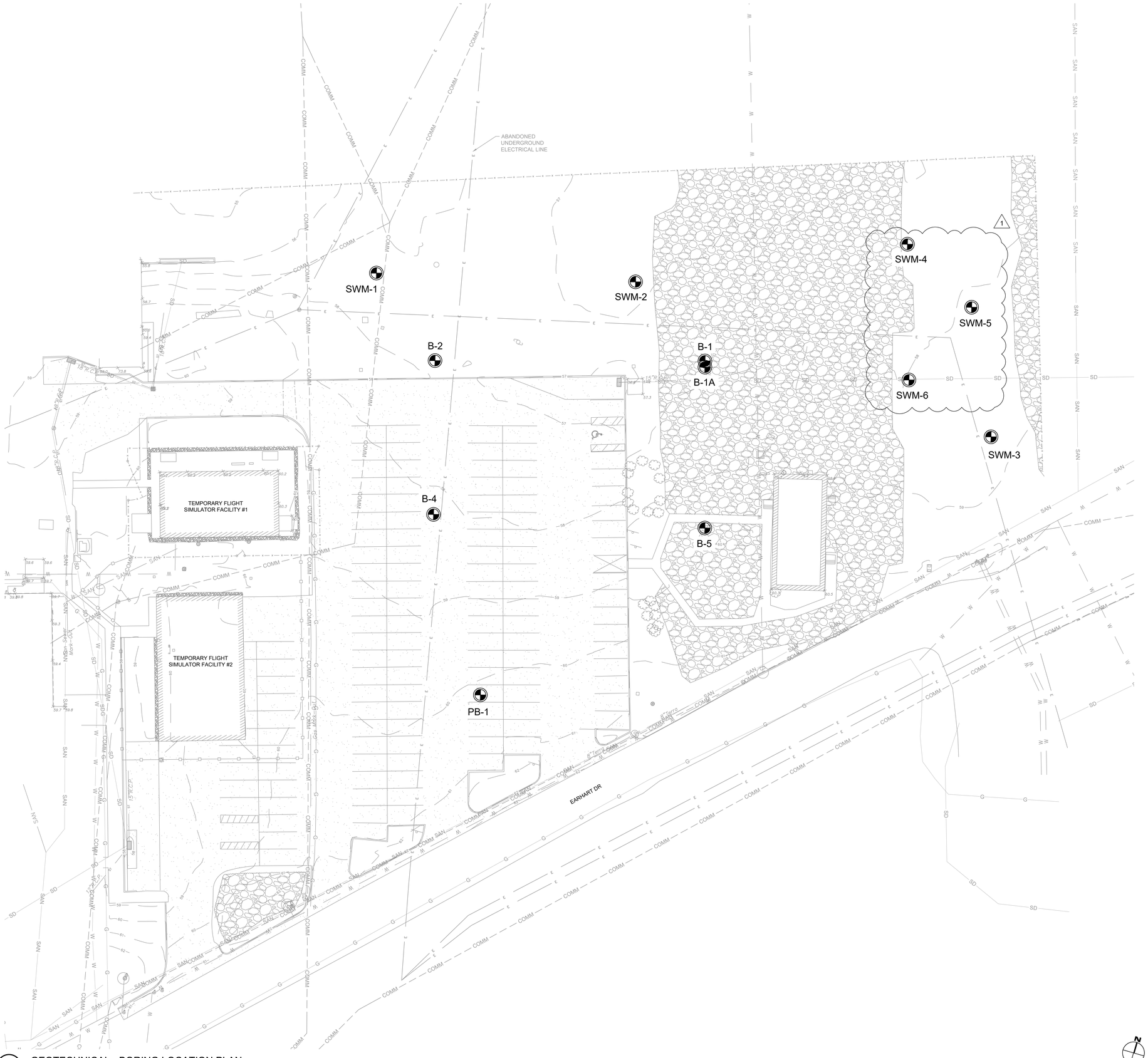
1. Drawing B-104 is hereby **revised and re-issued** in its entirety. Replace Drawing B-104 dated May 15, 2025 with attached revised Drawing B-104 (Revision) dated May 22, 2025.

BIDDER RFI RESPONSES

N/A.

SUSTITUTION REQUESTS

N/A.



A1 GEOTECHNICAL - BORING LOCATION PLAN

SCALE: 1"=20'

0 20' 40'

GENERAL NOTES

A. SEE SHEET GC100 FOR PROJECT LOCATION AND VICINITY MAP.
B. SEE SHEET GC101 FOR ACCESS AND HAUL ROUTE PLAN.
C. SEE SHEET C-001 CIVIL LEGEND, GENERAL NOTES, AND ABBREVIATIONS.
D. SEE SHEET V-101 FOR EXISTING CONDITIONS PLAN.
E. SEE SHEET CD101 AND CD102 FOR DEMOLITION PLANS.
F. SEE SHEET CU101 AND CU102 FOR UTILITY LAYOUT PLANS.
G. SEE SHEET CS101 AND CS102 FOR SITE LAYOUT PLANS.
H. SEE SHEET CG101 AND CG102 FOR SITE GRADING AND DRAINAGE PLANS.
I. MILL AND OVERLAY OF EXISTING PARKING LOT IS TO OCCUR AFTER UTILITY TRENCHING.

SHEET KEYNOTES

LEGEND

B-X - BORING LOCATION

SMW-X - BORING AND PERCOLATION TEST LOCATION

ATKINS BLACK & VEATCH FSB JOINT VENTURE
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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL JOSEPH J. PURPURA ENGINEER PE094822

177th FIGHTER WING

NEW JERSEY ANG- 177th FW
F-16 Mission Training Center (MTC)
Atlantic City ANG Base
Egg Harbor Township,New Jersey

REVISION HISTORY:

1	ADDENDUM NO. 1	5/22/2025
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: J. PURPURA
DRAWN BY: A. BESCHNETT
REVIEWED BY: J. BIRK
PROJECT MANAGER: D. ADAMS

PROJECT NUMBER: 2022-130-00

SHEET TITLE: GEOTECHNICAL - BORING LOCATION PLAN

ISSUE DATE: MAY 15, 2025

SHEET NUMBER: B-100

SWM-2

Schnabel Engineering — Test Boring Log

Project: F-16 Mission Training Center, Atlantic City ANG Base, NJ
Boring Number: SWM-2
Contract Number: 23140043.000
Sheet: 1 of 1

Contractor: Uni-Tech Drilling, Malaga, New Jersey
Contractor Foreman: M. Frack
Schnabel Representative: B. Glass
Equipment: CME-85
Method: 4-1/4" I.D. Hollow Stem Auger
Hammer Type: Auto Hammer (140 lb)
Dates Started: 7/17/23 **Finished:** 7/17/23
Latitude: " **Longitude:** "
Ground Surface Elevation: 57± (ft) **Total Depth:** 16.0 ft

Groundwater Observations	Date	Time	Depth	Casing	Caved
Encountered	7/17	---	N/a	---	---
Completion	7/17	9:50 AM	Dry	14.0'	---
Casing Pulled	7/17	10:00 AM	Dry	---	4.0'

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DATA	TESTS	REMARKS
0.5	Topsoil; 6 inches		56.5				
	FILL, sampled as clayey sand with gravel; moist, black. Change: brown	FILL		A	S-1, SS 2+3+5 REC=24", 100%; S-2, SS 3+3+4 REC=20", 83%; S-3, SS 4+5+7 REC=18", 67%; S-4, SS 6+9+9 REC=24", 100%; S-5, SS 7+9+9 REC=24", 100%; S-6, SS 7+7+8 REC=24", 100%; S-7, SS 7+9+10 REC=24", 100%; S-8, SS 2+3+4+4 REC=24", 100%		Fill. Bulk sample collected from 0.5 to 6 ft
3.5	CLAYEY SAND, fine to coarse grained sand; moist, orangish brown. Change: fine to medium grained sand	SC	53.5			MC = 12.8% % Passing #200 = 31.3	Cohansey Formation. USDA: Sandy Loam
8.0	POORLY GRADED SAND WITH SILT, fine to medium grained sand; moist, orangish brown	SP-SM	49.0	B			
16.0			41.0				

Bottom of Boring at 16.0 ft.
Boring backfilled with auger cuttings.
Boring offset 4 ft west for permeability test at depth of 7 ft.

TEST BORING LOG P-F-16 TRAINING AT ATLANTIC CITY GINT GPJ D. LOHNT LIBRARY_2012_05_14NOV23.GLB Print:5/22/23

SWM-3

Schnabel Engineering — Test Boring Log

Project: F-16 Mission Training Center, Atlantic City ANG Base, NJ
Boring Number: SWM-3
Contract Number: 23140043.000
Sheet: 1 of 1

Contractor: Uni-Tech Drilling, Malaga, New Jersey
Contractor Foreman: M. Frack
Schnabel Representative: B. Glass
Equipment: CME-85
Method: 4-1/4" I.D. Hollow Stem Auger
Hammer Type: Auto Hammer (140 lb)
Dates Started: 7/17/23 **Finished:** 7/17/23
Latitude: " **Longitude:** "
Ground Surface Elevation: 59± (ft) **Total Depth:** 16.0 ft

Groundwater Observations	Date	Time	Depth	Casing	Caved
Encountered	7/17	---	N/a	---	---
Completion	7/17	11:50 AM	15.5'	14.0'	---
Casing Pulled	7/17	11:55 AM	Dry	---	5.0'

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DATA	TESTS	REMARKS
0.3	Topsoil; 3 inches		58.8				
	FILL, sampled as clayey sand with gravel; moist, brown	FILL		A	S-1, SS 2+4+3+2 REC=20", 83%; S-2, SS 2+3+4+4 REC=24", 100%; S-3, SS 3+4+6+12 REC=24", 100%; S-4, SS 17+29+19+17 REC=20", 83%; S-5, SS 3+7+7+6 REC=24", 100%; S-6, SS 3+6+9+6 REC=20", 83%; S-7, SS 4+5+9+6 REC=22", 92%; S-8, SS 3+5+5+4 REC=24", 100%	LL = 22 PI = 9 MC = 10.9% % Passing #200 = 24.7	Fill. Bulk sample collected from 0.25 to 6 ft
3.0	CLAYEY SAND WITH GRAVEL; moist, orangish brown. Change: no gravel	SC	56.0				Cohansey Formation. USDA: Gravelly Loam Sand
6.0	POORLY GRADED SAND WITH SILT AND GRAVEL, fine to coarse grained sand; moist, orangish brown	SP-SM	53.0			MC = 4.4% % Passing #200 = 9.0	
8.0	POORLY GRADED SAND, fine to coarse grained sand; moist, orangish brown. Change: fine to medium grained sand. Change: wet	SP	51.0	B			
16.0			43.0				

Bottom of Boring at 16.0 ft.
Boring offset 4 ft south for permeability test at depth of 7 ft

TEST BORING LOG P-F-16 TRAINING AT ATLANTIC CITY GINT GPJ D. LOHNT LIBRARY_2012_05_14NOV23.GLB Print:5/22/23

SWM-04

Schnabel Engineering — Test Boring Log

Project: F-16 Mission Training Center, Atlantic City ANG Base, NJ
Boring Number: SWM-04
Contract Number: 23140043.000
Sheet: 1 of 1

Contractor: Uni-Tech Drilling, Malaga, New Jersey
Contractor Foreman: M. Bulario
Schnabel Representative: M. Simonds
Equipment: CME-75 Truck Mount
Method: 4-1/4" I.D. Hollow Stem Auger
Hammer Type: Auto Hammer (140 lb)
Dates Started: 5/1/25 **Finished:** 5/1/25
Location: See Location Plan
Ground Surface Elevation: 57.5 (ft) **Total Depth:** 18.0 ft

Groundwater Observations	Date	Time	Depth	Casing	Caved
Encountered	5/1	11:07 AM	16.0'	---	---
After Drilling	5/2	---	Dry	---	14.0'

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DATA	TESTS	REMARKS
0.8	Topsoil; 9 inches		56.8				
	FILL, sampled as poorly graded sand; moist, dark brown to dark gray, contains cinders	FILL		A	S-1, SPT 2+7+17+14 REC=19", 79%; S-2, SPT 6+9+6+6 REC=18", 75%; S-3, SPT 3+3+2+2 REC=19", 79%; S-4, SPT 5+7+11+12 REC=18", 75%; S-5, SPT 10+7+4+5 REC=15", 63%; S-6, SPT 4+5+7+4 REC=18", 75%; S-7, SPT 4+6+7+8 REC=24", 100%; S-8, SPT 8+9+9+10 REC=24", 100%; S-9, SPT 10+11+10+12 REC=17", 71%	PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm	Fill
3.5	FILL, sampled as clayey sand; moist, brown and olive	FILL	54.0				
5.0	CLAYEY SAND, fine to medium grained sand; moist, light brown and yellowish brown, contains gravel. Change: fine grained sand; moist to wet, light yellowish brown	SC	52.5	B		MC = 12.1% % Passing #200 = 15.8 PID = 0 ppm	Cohansey Formation
18.0			39.5				

Bottom of Boring at 18.0 ft.
Permeameter test performed at 9.5 ft depth in hole offset 5 ft South (168 degrees).
Backfilled with cuttings supplemented with bentonite pellets.

TEST BORING LOG P-F-16 TRAINING AT ATLANTIC CITY GINT GPJ D. LOHNT LIBRARY_2012_05_14NOV23.GLB Print:5/22/25

SWM-05

Schnabel Engineering — Test Boring Log

Project: F-16 Mission Training Center, Atlantic City ANG Base, NJ
Boring Number: SWM-05
Contract Number: 23140043.000
Sheet: 1 of 1

Contractor: Uni-Tech Drilling, Malaga, New Jersey
Contractor Foreman: M. Bulario
Schnabel Representative: M. Simonds
Equipment: CME-75 Truck Mount
Method: 4-1/4" I.D. Hollow Stem Auger
Hammer Type: Auto Hammer (140 lb)
Dates Started: 5/1/25 **Finished:** 5/2/25
Location: See Location Plan
Ground Surface Elevation: 58.0 (ft) **Total Depth:** 18.0 ft

Groundwater Observations	Date	Time	Depth	Casing	Caved
Encountered	5/1	12:31 PM	13.5'	---	---
Completion	5/1	12:59 PM	18.0'	---	---
Casing Pulled	5/2	7:50 AM	16.5'	---	---
After Drilling	5/2	10:55 AM	16.5'	---	17.0'

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DATA	TESTS	REMARKS
0.4	Rootmat and topsoil; 5 inches		57.6				
	FILL, sampled as sandy lean clay; moist, brown and olive brown	FILL		A	S-1, SPT 3+7+7+7 REC=23", 96%; S-2, SPT 4+4+4+3 REC=18", 75%; S-3, SPT 2+1+3+6 REC=13", 54%; S-4, SPT 1+0+6+7 REC=14", 58%; S-5, SPT 6+6+5+6 REC=20", 83%; S-6, SPT 8+7+8+7 REC=22", 92%; S-7, SPT 4+6+6+6 REC=24", 100%; S-8, SPT 6+7+6+9 REC=18", 75%; S-9, SPT 2+8+8+7 REC=24", 100%	PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; MC = 8.9% % Passing #200 = 16.0 PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm	
3.0	FILL, sampled as clayey sand, fine to medium grained sand; moist, brown	FILL	55.0				
5.0	CLAYEY SAND, fine to medium grained sand; light brown and yellowish brown, contains fine gravel, and coarse grained sand. Change: moist to wet	SC	53.0	B			Cohansey Formation
18.0			40.0				

Bottom of Boring at 18.0 ft.
Permeameter test performed at 9.5 ft depth in hole offset 5 ft South (169 degrees).
Blank augered to 20 ft to obtain long term groundwater/cave reading.
Backfilled with cuttings supplemented with bentonite pellets.

TEST BORING LOG P-F-16 TRAINING AT ATLANTIC CITY GINT GPJ D. LOHNT LIBRARY_2012_05_14NOV23.GLB Print:5/13/25

SWM-06

Schnabel Engineering — Test Boring Log

Project: F-16 Mission Training Center, Atlantic City ANG Base, NJ
Boring Number: SWM-06
Contract Number: 23140043.000
Sheet: 1 of 1

Contractor: Uni-Tech Drilling, Malaga, New Jersey
Contractor Foreman: M. Bulario
Schnabel Representative: M. Simonds
Equipment: CME-75 Truck Mount
Method: 4-1/4" I.D. Hollow Stem Auger
Hammer Type: Auto Hammer (140 lb)
Dates Started: 5/1/25 **Finished:** 5/2/25
Location: See Location Plan
Ground Surface Elevation: 58.0 (ft) **Total Depth:** 18.0 ft

Groundwater Observations	Date	Time	Depth	Casing	Caved
Encountered	5/1	9:57 AM	15.0'	---	---
Completion	5/1	2:06 PM	16.7'	---	---
Casing Pulled	5/2	8:13 AM	16.0'	---	---
After Drilling	5/2	11:12 AM	16.0'	---	16.2'

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DATA	TESTS	REMARKS
0.3	Rootmat and topsoil; 4 inches		57.7				
	FILL, sampled as poorly graded sand, fine to medium grained sand; moist, brown	FILL		A	S-1, SPT 4+9+12+5 REC=14", 58%; S-2, SPT 4+3+7+4 REC=15", 63%; S-3, SPT 2+9+3+4 REC=19", 79%; S-4, SPT 9+7+15+15 REC=18", 75%; S-5, SPT 3+9+9+9 REC=20", 83%; S-6, SPT 6+8+8+5 REC=18", 75%; S-7, SPT 2+2+3+3 REC=24", 100%; S-8, SPT 4+5+7+9 REC=22", 92%; S-9, SPT 3+6+6+6 REC=18", 67%	PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm; PID = 0 ppm	Fill
2.0	FILL, sampled as sandy lean clay; moist, brown	FILL	56.0				
3.0	FILL, sampled as poorly graded sand, fine to medium grained sand; moist, dark gray, contains fine gravel	FILL	55.0				
4.0	POORLY GRADED SAND WITH SILT, fine to medium grained sand; moist, light brown and yellowish brown, contains fine gravel. Change: wet	SP-SM	54.0	B			Cohansey Formation
18.0			40.0				

Bottom of Boring at 18.0 ft.
Permeameter test performed at 9.5 ft depth in hole offset 5 ft East (74 degrees).
Blank augered to 20 ft to obtain long term groundwater/cave reading.
Backfilled with cuttings supplemented with bentonite pellets.

TEST BORING LOG P-F-16 TRAINING AT ATLANTIC CITY GINT GPJ D. LOHNT LIBRARY_2012_05_14NOV23.GLB Print:5/13/25

GENERAL NOTES

A. SEE SHEET GC100 FOR PROJECT LOCATION AND VICINITY MAP.
B. SEE SHEET GC101 FOR ACCESS AND HAUL ROUTE PLAN.
C. SEE SHEET C-001 CIVIL LEGEND, GENERAL NOTES, AND ABBREVIATIONS.
D. SEE SHEET V-101 FOR EXISTING CONDITIONS PLAN.
E. SEE SHEET CD101 AND CD102 FOR DEMOLITION PLANS.
F. SEE SHEET CU101 AND CU102 FOR UTILITY LAYOUT PLANS.
G. SEE SHEET CS101 AND CS102 FOR SITE LAYOUT PLANS.
H. SEE SHEET CG101 AND CG102 FOR SITE GRADING AND DRAINAGE PLANS.
I. MILL AND OVERLAY OF EXISTING PARKING LOT IS TO OCCUR AFTER UTILITY TRENCHING.

SHEET KEYNOTES

ATKINS BLACK & VEATCH FSB JOINT VENTURE
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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — JOSEPH J. PURPURA — PE054823

177th FIGHTER WING

NEW JERSEY ANG- 177th FW
F-16 Mission Training Center (MTC)
Atlantic City ANG Base
Egg Harbor Township,New Jersey

REVISION HISTORY:

	DESCRIPTION	DATE
1	ADDENDUM NO. 1	5/22/2025

PROJECT INFORMATION:
DESIGNED BY: J. PURPURA
DRAWN BY: A. BESCHNETT
REVIEWED BY: J. BIRK
PROJECT MANAGER: D. ADAMS
PROJECT NUMBER: 2022-130-00
SHEET TITLE: GEOTECHNICAL - BORING LOGS SHEET 4 OF 4
ISSUE DATE: MAY 15, 2025
SHEET NUMBER: B-104