Boring Designation VB-SJES25-01

DRILLING LOG	DIVISION	INSTALLATION	SHEET 1 OF 2 SHEETS
	South Atlantic	Jacksonville District	

1. PROJECT	St. Johns Northern and South Borrow Area	9. SIZE AND TYPE OF BIT	See Remarks
		10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / NAD83 / NAVD88
2. BORING DESIGNATION	VB-SJES25-01	LOCATION COORDINATES	X = 570,627 Y = 2,028,209
		11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
3. DRILLING AGENCY	CSI/TSF JV	CONTRACTOR FILE NO.	
		12. TOTAL SAMPLES	DISTURBED 7 / UNDISTURBED (UD) 0
4. NAME OF DRILLER	Palmer McClellan	13. TOTAL NUMBER CORE BOXES	2
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED	DEG. FROM VERTICAL / BEARING	14. ELEVATION GROUND WATER
		15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
6. THICKNESS OF OVERBURDEN	N/A	16. ELEVATION TOP OF BORING	-20.8 Ft.
7. DEPTH DRILLED INTO ROCK	N/A	17. TOTAL RECOVERY FOR BORING	98 %
8. TOTAL DEPTH OF BORING	20.0 Ft.	18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-20.8	0.0						-20.8		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace sand to gravel-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-21.7		
				100	1		-21.8 Vibracore		
					1a				
				100			Vibracore		
							-23.7		
					2				
				100			Vibracore		
							-25.7		
					3				
			From El. -26.3 to -28.3 Ft., few sand to gravel-sized shell, 6" sand to gravel-sized shell seam at 6.5', 10YR 7/1 light gray	100			Vibracore		
							-27.7		
					4				
			From El. -28.3 to -31.5 Ft., trace sand to gravel-sized shell, 10YR 6/1 gray	100			Vibracore		
							-29.2		
					5				
				100			Vibracore		
-31.5	10.7						-31.7		
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SP-SC)		6				
-33.5	12.7								
			SHELL, mostly sand to gravel-sized shell, little clay, some fine to medium-grained sand-sized quartz, 10YR 4/1 dark gray	100			Vibracore		
-34.5	13.7								
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SP-SC)						

0 5 10 15

(Continued)

DRILLING LOG (Cont. Sheet)	INSTALLATION		SHEET 2 OF 2 SHEETS
	Jacksonville District		
PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88
LOCATION COORDINATES	ELEVATION TOP OF BORING		
X = 570,627 Y = 2,028,209	-20.8 Ft.		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
				100			Vibracore		
-40.3	19.5						-40.3		
-40.8	20.0	NR					-40.8		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	2.9/3.1	SP*
3	4.9/5.1	SP*
4	6.9/7.1	SP*
5	8.4/8.6	SP*
6	10.9/11.1	SP-SC*

*Lab visual classification based on gradation curve

Abbreviations:

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-02
LOCATION COORDINATES	X = 571,606 Y = 2,028,378
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 7 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-21.1 Ft.
17. TOTAL RECOVERY FOR BORING	99 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-21.1	0.0						-21.1		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace silt, trace sand to gravel-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-22.0		
				100	1		-22.1 Vibracore		
					1a				
				100			Vibracore		
							-25.0		
					2				
				100			Vibracore		
			From El. -28.1 to -30.1 Ft., few medium to coarse-grained sand-sized shell, silt pocket at 7.3', 10YR 7/1 light gray				-29.0		
					3				
			From El. -30.1 to -38.1 Ft., trace sand to gravel-sized shell, 10YR 7/1 light gray	100			Vibracore		
							-33.0		
					4				
				100			Vibracore		

0 5 10 15

(Continued)

Boring Designation VB-SJES25-02

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 571,606 Y = 2,028,378	-21.1 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
				100			-36.5 Vibracore		
					5				
				100			Vibracore		
							-37.5		
					6				
-38.1	17.0								
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SP-SC)	100			Vibracore		
-40.9	19.8						-40.9		
-41.1	20.0	NO REC					-41.1		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	3.9/4.1	SP*
3	7.9/8.1	SP*
4	11.9/12.1	SP*
5	15.4/15.6	SP*
6	16.4/16.6	SP*

*Lab visual classification based on gradation curve

Abbreviations:

Boring Designation VB-SJES25-03

DRILLING LOG	DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 OF 2 SHEETS

1. PROJECT: St. Johns Northern and South Borrow Area		9. SIZE AND TYPE OF BIT: See Remarks	
		10. COORDINATE SYSTEM/DATUM: State Plane, FLE (U.S. Ft.)	HORIZONTAL: NAD83 / VERTICAL: NAVD88
2. BORING DESIGNATION: VB-SJES25-03	LOCATION COORDINATES: X = 572,583 Y = 2,028,624	11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
3. DRILLING AGENCY: CSI/TSF JV	CONTRACTOR FILE NO.	12. TOTAL SAMPLES	DISTURBED: 6 / UNDISTURBED (UD): 0
4. NAME OF DRILLER: Palmer McClellan		13. TOTAL NUMBER CORE BOXES: 0	
5. DIRECTION OF BORING: ☒ VERTICAL ☐ INCLINED	DEG. FROM VERTICAL / BEARING	14. ELEVATION GROUND WATER	
		15. DATE BORING	STARTED: 10-22-25 / COMPLETED: 10-22-25
6. THICKNESS OF OVERBURDEN: N/A		16. ELEVATION TOP OF BORING: -25.1 Ft.	
7. DEPTH DRILLED INTO ROCK: N/A		17. TOTAL RECOVERY FOR BORING: 72 %	
8. TOTAL DEPTH OF BORING: 20.0 Ft.		18. SIGNATURE AND TITLE OF INSPECTOR: Rashmi Kola, Geotechnical Engineer	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-25.1	0.0						-25.1		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace silt, trace sand to gravel-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-26.0		
				100	1		-26.1 Vibracore		
					1a				
				100			Vibracore		
							-28.0		
					2				
				100			Vibracore		
							-31.0		
					3				
				100			Vibracore		
							-35.0		
					4				
				100			Vibracore		
							-36.3		
-36.6	11.5				5				
			SAND, clayey, mostly fine to medium-grained sand-sized quartz, little clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SC)	100			Vibracore		
-39.4	14.3						-39.4		
			NO RECOVERY						

0 5 10 15

(Continued)

Boring Designation VB-SJES25-03

DRILLING LOG (Cont. Sheet)	INSTALLATION		SHEET 2 OF 2 SHEETS
	Jacksonville District		
PROJECT	**COORDINATE SYSTEM/DATUM**	**HORIZONTAL**	**VERTICAL**
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88
LOCATION COORDINATES	**ELEVATION TOP OF BORING**		
X = 572,583 Y = 2,028,624	-25.1 Ft.		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
		NO RECOVERY							
-45.1	20.0						-45.1		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	2.9/3.1	SP*
3	5.9/6.1	SP*
4	9.9/10.1	SP*
5	11.2/11.4	SP*

*Lab visual classification based on gradation curve

Abbreviations:

15 20 25 30 35

SAJ FORM 1836-A
JUN 02

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-04
LOCATION COORDINATES	X = 571,070 Y = 2,027,371
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 7 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-16.8 Ft.
17. TOTAL RECOVERY FOR BORING	99 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-16.8	0.0						-16.8		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace sand to gravel-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-17.7		
				100	1		-17.8 Vibracore		
					1a				
				100			Vibracore		
			From El. -19.8 to -21.8 Ft., few sand to gravel-sized shell, 10YR 7/1 light gray						
							-20.7		
					2				
			From El. -21.8 to -31.8 Ft., trace sand to gravel-sized shell, 10YR 6/1 gray	100			Vibracore		
							-24.7		
					3				
				100			Vibracore		
							-28.7		
					4				
				100			Vibracore		

0 5 10 15

(Continued)

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 571,070 Y = 2,027,371	-16.8 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
			From El. -31.8 to -35.8 Ft., few sand to gravel-sized shell, 10YR 6/1 gray	100			Vibracore		
							-32.7		
					5				
				100			Vibracore		
-35.8	19.0								
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SP-SC)				-36.2		
-36.6	19.8	NO REC		100	6		-36.6 Vibracore		
-36.8	20.0						-36.8		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	3.9/4.1	SP*
3	7.9/8.1	SP*
4	11.9/12.1	SP*
5	15.9/16.1	SP*
6	19.4/19.6	SP-SC*

*Lab visual classification based on gradation curve

Abbreviations:

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-05
LOCATION COORDINATES	X = 571,919 Y = 2,027,501
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 6 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-21.3 Ft.
17. TOTAL RECOVERY FOR BORING	62 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-21.3	0.0						-21.3		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace sand to gravel-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-22.2		
				100	1		-22.3 Vibracore		
					1a				
				100			Vibracore		
							-24.2		
					2				
				100			Vibracore		
			From El. -26.3 to -28.3 Ft., few sand to gravel-sized shell, 10YR 7/1 light gray				-27.2		
					3				
			From El. -28.3 to -30.3 Ft., trace sand to gravel-sized shell, 10YR 7/1 light gray	100			Vibracore		
							-29.2		
				100	4		-29.7 Vibracore		
-30.3	9.0				5				
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 6/1 gray (SP-SC)	100			Vibracore		
-33.7	12.4						-33.7		
		NO RECOVERY							

0 5 10 15

(Continued)

DRILLING LOG (Cont. Sheet)	INSTALLATION		SHEET 2 OF 2 SHEETS
	Jacksonville District		
PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88
LOCATION COORDINATES	ELEVATION TOP OF BORING		
X = 571,919 Y = 2,027,501	-21.3 Ft.		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-41.3	20.0	NO RECOVERY					-41.3		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	2.9/3.1	SP*
3	5.9/6.1	SP*
4	7.9/8.1	SP*
5	8.4/8.6	SP*

*Lab visual classification based on gradation curve

Abbreviations:

15 20 25 30 35

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-06
LOCATION COORDINATES	X = 572,602 Y = 2,027,647
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 5 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-26.1 Ft.
17. TOTAL RECOVERY FOR BORING	65 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-26.1	0.0						-26.1		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace sand to gravel-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-27.0		
				100	1		-27.1 Vibracore		
					1a				
				100			Vibracore		
							-29.0		
					2				
				100			Vibracore		
							-32.0		
-32.4	6.3				3				
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SP-SC)	100			Vibracore		
							-33.0		
					4				
				100			Vibracore		
							-34.5		
				40			Vibracore		
-39.1	13.0								
		NO RECOVERY							

0 5 10 15

(Continued)

DRILLING LOG (Cont. Sheet)	INSTALLATION		SHEET 2 OF 2 SHEETS
	Jacksonville District		
PROJECT	**COORDINATE SYSTEM/DATUM**	**HORIZONTAL**	**VERTICAL**
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88
LOCATION COORDINATES	**ELEVATION TOP OF BORING**		
X = 572,602 Y = 2,027,647	-26.1 Ft.		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-46.1	20.0	NO RECOVERY		40			Vibracore -46.1		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	2.9/3.1	SP*
3	5.9/6.1	SP*
4	6.9/7.1	SP-SC*

*Lab visual classification based on gradation curve

Boring Designation VB-SJES25-07

DRILLING LOG

DIVISION South Atlantic	**INSTALLATION** Jacksonville District		**SHEET** 1 **OF** 2 **SHEETS**
1. PROJECT St. Johns Northern and South Borrow Area	**9. SIZE AND TYPE OF BIT** See Remarks		
	10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)	**HORIZONTAL** NAD83	**VERTICAL** NAVD88
2. BORING DESIGNATION VB-SJES25-07 **LOCATION COORDINATES** X = 573,092 Y = 2,027,755	**11. MANUFACTURER'S DESIGNATION OF DRILL** ☐ AUTO HAMMER ☐ MANUAL HAMMER		
3. DRILLING AGENCY CSI/TSF JV **CONTRACTOR FILE NO.**	**12. TOTAL SAMPLES**	**DISTURBED** 6	**UNDISTURBED (UD)** 0
4. NAME OF DRILLER Palmer McClellan	**13. TOTAL NUMBER CORE BOXES** 0		
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED **DEG. FROM VERTICAL** **BEARING**	**14. ELEVATION GROUND WATER**		
	15. DATE BORING	**STARTED** 10-22-25	**COMPLETED** 10-22-25
6. THICKNESS OF OVERBURDEN N/A	**16. ELEVATION TOP OF BORING** -21.9 Ft.		
7. DEPTH DRILLED INTO ROCK N/A	**17. TOTAL RECOVERY FOR BORING** 74 %		
8. TOTAL DEPTH OF BORING 20.0 Ft.	**18. SIGNATURE AND TITLE OF INSPECTOR** Rashmi Kola, Geotechnical Engineer		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-21.9	0.0						-21.9		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace sand to gravel-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore -22.8		
				100	1		-22.9 Vibracore		
				100	1a		Vibracore -25.8		
				100	2		Vibracore -28.8		
				100	3		Vibracore -30.8		
-31.6	9.7				4				
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SP-SC)	100			Vibracore -32.8		
				100	5		Vibracore -36.6		
-36.6	14.7								

NO RECOVERY

(Continued)

SAJ FORM 1836
JUN 02

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 573,092 Y = 2,027,755	-21.9 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-41.9	20.0	NO RECOVERY					-41.9		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	3.9/4.1	SP*
3	6.9/7.1	SP*
4	8.9/9.1	SP*
5	10.9/11.1	SP-SC*

*Lab visual classification based on gradation curve

Abbreviations:

15
20
25
30
35

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-08
LOCATION COORDINATES	X = 571,723 Y = 2,026,379
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 7 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-12.9 Ft.
17. TOTAL RECOVERY FOR BORING	86 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-12.9	0.0						-12.9		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace sand-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-13.8		
				100	1		-13.9 Vibracore		
					1a				
				100			Vibracore		
			From El. -16.4 to -19.9 Ft., few sand to gravel-sized shell, trace clay seams, 10YR 7/1 light gray				-16.8		
					2				
				100			Vibracore		
			From El. -19.9 to -30.1 Ft., trace sand-sized shell, trace clay seams, 10YR 7/1 light gray				-20.8		
					3				
				100			Vibracore		
							-24.8		
					4				
				100			Vibracore		

0 5 10 15

(Continued)

Boring Designation VB-SJES25-08

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 571,723 Y = 2,026,379	-12.9 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
				100			Vibracore		
							-28.8		
				100	5		Vibracore		
							-29.8		
-30.1	17.2			100	6		-30.1 Vibracore		
-32.9	20.0	NO RECOVERY					-32.9		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	3.9/4.1	SP*
3	7.9/8.1	SP*
4	11.9/12.1	SP*
5	15.9/16.1	SP*
6	16.9/17.1	SP*

*Lab visual classification based on gradation curve

Abbreviations:

15 20 25 30 35

SAJ FORM 1836-A
JUN 02

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-09
LOCATION COORDINATES	X = 572,226 Y = 2,026,533
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 7 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-22.8 Ft.
17. TOTAL RECOVERY FOR BORING	99 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-22.8	0.0						-22.8		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, little medium to coarse-grained sand-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-23.7		
				100	1		-23.8 Vibracore		
					1a				
			From El. -25.3 to -42.6 Ft., clay pocket at 3.5', trace sand-sized shell, 10YR 7/1 light gray	100			Vibracore		
							-26.7		
					2				
				100			Vibracore		
							-30.7		
					3				
				100			Vibracore		
							-34.7		
					4				
				100			Vibracore		

0 5 10 15

(Continued)

SAJ FORM 1836
JUN 02

Boring Designation VB-SJES25-09

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 572,226 Y = 2,026,533	-22.8 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
				100			Vibracore		
							-38.7		
					5				
				100			Vibracore		
							-42.2		
-42.6	19.8			100	6		-42.6 Vibracore		
-42.8	20.0	NO REC					-42.8		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP-SM*
2	3.9/4.1	SP*
3	7.9/8.1	SP*
4	11.9/12.1	SP*
5	15.9/16.1	SP*
6	19.4/19.6	SP*

*Lab visual classification based on gradation curve

Abbreviations:

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-10
LOCATION COORDINATES	X = 572,834 Y = 2,026,699
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 7 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-19.8 Ft.
17. TOTAL RECOVERY FOR BORING	99 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-19.8	0.0						-19.8		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace sand to gravel-sized shell, clay pocket at 3.2', 10YR 7/1 light gray (SP)	100			Vibracore		
							-20.7		
				100	1		-20.8 Vibracore		
					1a				
				100			Vibracore		
							-24.7		
					2				
				100			Vibracore		
							-29.7		
					3				
				100			Vibracore		
							-34.7		

0 5 10 15

(Continued)

Boring Designation VB-SJES25-10

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 572,834 Y = 2,026,699	-19.8 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
				100	4		Vibracore		
							-37.7		
				100	5		Vibracore		
-38.6	18.8		SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SP-SC)				-39.2		
-39.6	19.8	NO REC		100	6		-39.6 Vibracore		
-39.8	20.0						-39.8		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	4.9/5.1	SP*
3	9.9/10.1	SP*
4	14.9/15.1	SP*
5	17.9/18.1	SP*
6	19.4/19.6	SP-SC*

*Lab visual classification based on gradation curve

Abbreviations:

15 20 25 30 35

SAJ FORM 1836-A
JUN 02

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-11
LOCATION COORDINATES	X = 573,426 Y = 2,026,815
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 6 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-23.4 Ft.
17. TOTAL RECOVERY FOR BORING	73 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-23.4	0.0						-23.4		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace clay seams, 10YR 7/1 light gray (SP)	100			Vibracore -24.3		
				100	1		-24.4 Vibracore		
					1a				
				100			Vibracore -26.3		
				100	2		Vibracore -28.3		
				100	3		Vibracore -30.8		
				100	4		Vibracore -34.8		
				100	5		Vibracore -37.9		
-32.9	9.5								
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand-sized shell, 10YR 6/1 gray (SP-SC)						
-37.9	14.5								

NO RECOVERY

0 5 10 15

(Continued)

DRILLING LOG (Cont. Sheet)	INSTALLATION		SHEET 2 OF 2 SHEETS
	Jacksonville District		
PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88
LOCATION COORDINATES	ELEVATION TOP OF BORING		
X = 573,426 Y = 2,026,815	-23.4 Ft.		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-43.4	20.0	NO RECOVERY					-43.4		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	2.9/3.1	SP*
3	4.9/5.1	SP*
4	7.4/7.6	SP*
5	11.4/11.6	SP-SC*

*Lab visual classification based on gradation curve

Abbreviations:

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-12
LOCATION COORDINATES	X = 572,088 Y = 2,025,803
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 5 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-15.8 Ft.
17. TOTAL RECOVERY FOR BORING	100 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-15.8	0.0						-15.8		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, few medium to coarse-grained sand-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-16.7		
				100	1		-16.8 Vibracore		
					1a				
				100			Vibracore		
							-19.7		
					2				
				100			Vibracore		
							-22.2		
					3				
			From El. -22.8 to -24.8 Ft., trace sand to gravel-sized shell, 10YR 7/1 light gray	100			Vibracore		
							-23.7		
					4				
-24.8	9.0								
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SP-SC)	100			Vibracore		

0 5 10 15

(Continued)

SAJ FORM 1836
JUN 02

Boring Designation VB-SJES25-12

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 572,088 Y = 2,025,803	-15.8 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-35.7 -35.8	19.9 20.0	NO REC.		100			Vibracore -35.7 -35.8		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	3.9/4.1	SP*
3	6.4/6.6	SP*
4	7.9/8.1	SP*

*Lab visual classification based on gradation curve

Abbreviations:

15 20 25 30 35

SAJ FORM 1836-A
JUN 02

Boring Designation VB-SJES25-13

DRILLING LOG	DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 OF 2 SHEETS

1. PROJECT: St. Johns Northern and South Borrow Area		9. SIZE AND TYPE OF BIT: See Remarks	
		10. COORDINATE SYSTEM/DATUM: State Plane, FLE (U.S. Ft.)	HORIZONTAL: NAD83 / VERTICAL: NAVD88
2. BORING DESIGNATION: VB-SJES25-13	LOCATION COORDINATES: X = 572,943 Y = 2,026,109	11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
3. DRILLING AGENCY: CSI/TSF JV	CONTRACTOR FILE NO.	12. TOTAL SAMPLES	DISTURBED: 7 / UNDISTURBED (UD): 0
4. NAME OF DRILLER: Palmer McClellan		13. TOTAL NUMBER CORE BOXES: 0	
5. DIRECTION OF BORING: ☒ VERTICAL ☐ INCLINED	DEG. FROM VERTICAL / BEARING	14. ELEVATION GROUND WATER	
		15. DATE BORING	STARTED: 10-22-25 / COMPLETED: 10-22-25
6. THICKNESS OF OVERBURDEN: N/A		16. ELEVATION TOP OF BORING: -20.6 Ft.	
7. DEPTH DRILLED INTO ROCK: N/A		17. TOTAL RECOVERY FOR BORING: 99 %	
8. TOTAL DEPTH OF BORING: 20.0 Ft.		18. SIGNATURE AND TITLE OF INSPECTOR: Rashmi Kola, Geotechnical Engineer	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-20.6	0.0						-20.6		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace clay seams, trace sand-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore		
							-21.5		
				100	1		-21.6 Vibracore		
					1a				
				100			Vibracore		
							-25.5		
					2				
				100			Vibracore		
							-30.5		
					3				
				100			Vibracore		
							-35.5		

0 5 10 15

(Continued)

Boring Designation VB-SJES25-13

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 572,943 Y = 2,026,109	-20.6 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
				100	4		Vibracore		
							-39.5		
-39.8	19.2			100	5		-40.0 Vibracore		
-40.4	19.8		SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, 10YR 5/1 gray (SP-SC)	100	6		-40.4 Vibracore		
-40.6	20.0	NO REC					-40.6		

NOTES:

1. USACE Jacksonville is the custodian for these original files.

2. Soils are field visually classified in accordance with the Unified Soils Classification System.

3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	4.9/5.1	SP*
3	9.9/10.1	SP*
4	14.9/15.1	SP*
5	18.9/19.1	SP*
6	19.4/19.6	SP-SC*

*Lab visual classification based on gradation curve

Abbreviations:

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-14
LOCATION COORDINATES	X = 573,588 Y = 2,026,233
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 5 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-26.8 Ft.
17. TOTAL RECOVERY FOR BORING	98 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-26.8	0.0						-26.8		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace clay seams, 10YR 7/1 light gray (SP)	100			Vibracore		
							-27.7		
				100	1		-27.8 Vibracore		
					1a				
				100			Vibracore		
							-30.7		
-31.3	4.5				2				
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay, trace gravel-sized shell, 10YR 5/1 gray (SP-SC)	100			Vibracore		
							-31.7		
					3				
				100			Vibracore		
							-33.7		
					4				
				100			Vibracore		

0 5 10 15

(Continued)

Boring Designation VB-SJES25-14

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 573,588 Y = 2,026,233	-26.8 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-45.0	18.2			100			Vibracore		
-46.4	19.6		SAND, clayey, mostly fine to medium-grained sand-sized quartz, little clay, little sand to gravel-sized shell, 10YR 5/1 gray (SC)				-46.4		
-46.8	20.0	NO REC					-46.8		

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3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	3.9/4.1	SP*
3	4.9/5.1	SP-SC*
4	6.9/7.1	SP-SC*

*Lab visual classification based on gradation curve

Abbreviations:

15 20 25 30 35

SAJ FORM 1836-A
JUN 02

DRILLING LOG

DIVISION	South Atlantic
INSTALLATION	Jacksonville District
SHEET	1 OF 2 SHEETS
1. PROJECT	St. Johns Northern and South Borrow Area
2. BORING DESIGNATION	VB-SJES25-15
LOCATION COORDINATES	X = 572,567 Y = 2,025,223
3. DRILLING AGENCY	CSI/TSF JV
CONTRACTOR FILE NO.	
4. NAME OF DRILLER	Palmer McClellan
5. DIRECTION OF BORING	☒ VERTICAL ☐ INCLINED
DEG. FROM VERTICAL	
BEARING	
6. THICKNESS OF OVERBURDEN	N/A
7. DEPTH DRILLED INTO ROCK	N/A
8. TOTAL DEPTH OF BORING	20.0 Ft.
9. SIZE AND TYPE OF BIT	See Remarks
10. COORDINATE SYSTEM/DATUM	State Plane, FLE (U.S. Ft.) / HORIZONTAL NAD83 / VERTICAL NAVD88
11. MANUFACTURER'S DESIGNATION OF DRILL	☐ AUTO HAMMER ☐ MANUAL HAMMER
12. TOTAL SAMPLES	DISTURBED 4 / UNDISTURBED (UD) 0
13. TOTAL NUMBER CORE BOXES	0
14. ELEVATION GROUND WATER	
15. DATE BORING	STARTED 10-22-25 / COMPLETED 10-22-25
16. ELEVATION TOP OF BORING	-28.3 Ft.
17. TOTAL RECOVERY FOR BORING	95 %
18. SIGNATURE AND TITLE OF INSPECTOR	Rashmi Kola, Geotechnical Engineer

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-28.3	0.0						-28.3		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace clay seams, trace sand-sized shell, 10YR 6/1 gray (SP)	100			Vibracore		
							-29.2		
				100	1		-29.3 Vibracore		
					1a				
				100			Vibracore		
							-31.7		
					2				
				100			Vibracore		
							-33.2		
-33.8	5.5				3				
			SAND, poorly-graded with clay, mostly fine to medium-grained sand-sized quartz, few clay seams, 10YR 5/1 gray (SP-SC)	100			Vibracore		

0 5 10 15

(Continued)

DRILLING LOG (Cont. Sheet)	INSTALLATION		SHEET 2 OF 2 SHEETS
	Jacksonville District		
PROJECT	**COORDINATE SYSTEM/DATUM**	**HORIZONTAL**	**VERTICAL**
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88
LOCATION COORDINATES	**ELEVATION TOP OF BORING**		
X = 572,567 Y = 2,025,223	-28.3 Ft.		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-47.3	19.0			100			Vibracore -47.3		
-48.3	20.0	NR					-48.3		

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3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	3.4/3.6	SP*
3	4.9/5.1	SP*

*Lab visual classification based on gradation curve

Abbreviations:

15 20 25 30 35

SAJ FORM 1836-A
JUN 02

Boring Designation VB-SJES25-16

DRILLING LOG

DIVISION South Atlantic	**INSTALLATION** Jacksonville District		**SHEET** 1 **OF** 2 **SHEETS**
1. PROJECT St. Johns Northern and South Borrow Area	**9. SIZE AND TYPE OF BIT** See Remarks		
	10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)	**HORIZONTAL** NAD83	**VERTICAL** NAVD88
2. BORING DESIGNATION VB-SJES25-16 **LOCATION COORDINATES** X = 573,413 Y = 2,025,385	**11. MANUFACTURER'S DESIGNATION OF DRILL** ☐ AUTO HAMMER ☐ MANUAL HAMMER		
3. DRILLING AGENCY CSI/TSF JV **CONTRACTOR FILE NO.**	**12. TOTAL SAMPLES**	**DISTURBED** 6	**UNDISTURBED (UD)** 0
4. NAME OF DRILLER Palmer McClellan	**13. TOTAL NUMBER CORE BOXES** 0		
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED **DEG. FROM VERTICAL** **BEARING**	**14. ELEVATION GROUND WATER**		
	15. DATE BORING	**STARTED** 10-22-25	**COMPLETED** 10-22-25
6. THICKNESS OF OVERBURDEN N/A	**16. ELEVATION TOP OF BORING** -25.6 Ft.		
7. DEPTH DRILLED INTO ROCK N/A	**17. TOTAL RECOVERY FOR BORING** 97 %		
8. TOTAL DEPTH OF BORING 20.0 Ft.	**18. SIGNATURE AND TITLE OF INSPECTOR** Rashmi Kola, Geotechnical Engineer		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-25.6	0.0						-25.6		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace clay seams, trace sand-sized shell, 10YR 7/1 light gray (SP)	100			Vibracore -26.5		
				100	1		-26.6 Vibracore		
					1a				
				100			Vibracore -30.5		
					2				
				100			Vibracore -35.5		
					3				
				100			Vibracore -40.5		

0 5 10 15

(Continued)

SAJ FORM 1836
JUN 02

Boring Designation VB-SJES25-16

DRILLING LOG (Cont. Sheet)	INSTALLATION	SHEET 2 OF 2 SHEETS
	Jacksonville District	

PROJECT	COORDINATE SYSTEM/DATUM	HORIZONTAL	VERTICAL
St. Johns Northern and South Borrow Area	State Plane, FLE (U.S. Ft.)	NAD83	NAVD88

LOCATION COORDINATES	ELEVATION TOP OF BORING
X = 573,413 Y = 2,025,385	-25.6 Ft.

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-41.4	15.8			100	4		Vibracore -41.5		
-44.9	19.3		SAND, clayey, mostly fine to medium-grained sand-sized quartz, few clay, trace sand to gravel-sized shell, 10YR 5/1 gray (SC)	100	5		Vibracore -44.9		
-45.6	20.0	NR					-45.6		

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3. Laboratory Testing Results

SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION
1	0.9/1.1	SP*
1a	1.0/1.2	SP*
2	4.9/5.1	SP*
3	9.9/10.1	SP*
4	14.9/15.1	SP*
5	15.9/16.1	SC*

*Lab visual classification based on gradation curve

Abbreviations: