



Scott Buescher
Center Point Homes
743 Glengarry Drive
Melbourne, FL 32940

July 17, 2026

**Re: 761 Indigo Street SE
Palm Bay, Florida
KSM Project #: 2604729-ha**

Dear Mr. Buescher:

As requested, KSM Engineering & Testing has performed a subsurface investigation at the referenced site. Presentation of the data gathered during the investigation, together with our geotechnical related opinions, are included in this report.

It is our understanding that a 1- to 2- story residential structure is planned to be constructed on the site. Loads from the structure will be transferred to the ground by conventional shallow footings. We estimate the maximum wall loads will be less than 2,000 pounds per linear foot along the wall foundation. We estimate 0 to 2 feet of additional site fill may be required to reach the desired grades.

At the time of drilling, the site was found to be undeveloped with moderately dense underbrush and many trees. In order to estimate the subsurface relative density and classify the subsurface soils, our site investigation program consisted of three (3) HA borings with a static cone penetrometer test (SCPT). The HA borings were terminated at ± 6 feet below grade. The relationship of SCPT reading to the relative density is listed in the table below:

Relative Density	SCPT Reading
Very Loose	<15
Loose	15-40
Medium Dense	40-70
Dense	>70

Based on the information obtained from this site investigation we are pleased to offer the following evaluation:

The results from our tests indicate that the discovered subsurface soils consist of layers of sand that were generally loose from the surface to 1 foot below grade underlain by a problematic stratum consisting of silty sand with organics that were loose to medium dense from 1 to 6 feet below grade (boring terminus). KSM performed analytical laboratory testing, in general accordance with procedures described in ASTM D 2974, and determined the organic content of the problematic stratum is 6.9%. Given the position of the problematic stratum, we anticipate that this stratum may undergo long-term consolidation under the weight of any additional fill and the residence which will result in settlements that exceed typical tolerances for similar structures. Therefore, it is our professional opinion that a design phase geotechnical study should be performed for this site so that we may provide site specific site preparation and foundation recommendations. Upon request, KSM will provide a detailed scope of work and cost proposal to address the proposed construction.

Please refer to the soil boring logs for specific information describing the subsurface conditions that were discovered in the borings.

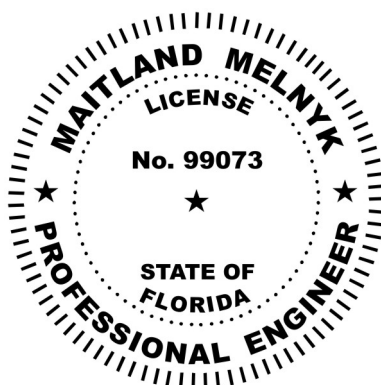
Closure:

This report has been prepared in accordance with generally accepted soil practices based on the results of the test borings and the assumed loading condition. No warranties, either expressed or implied, are intended or made. This report does not reflect any variations which may occur between the borings. If variations appear evident during the course of construction, it would be necessary to re-evaluate the recommendations of this project.

Environmental conditions, wetland delineation, water quality, karst activity and municipal requirements are not a part of this report.

We are pleased to be of assistance to you on this phase of your project. When we may be of further service to you or should you have any questions, please feel free to contact us.

Respectfully,

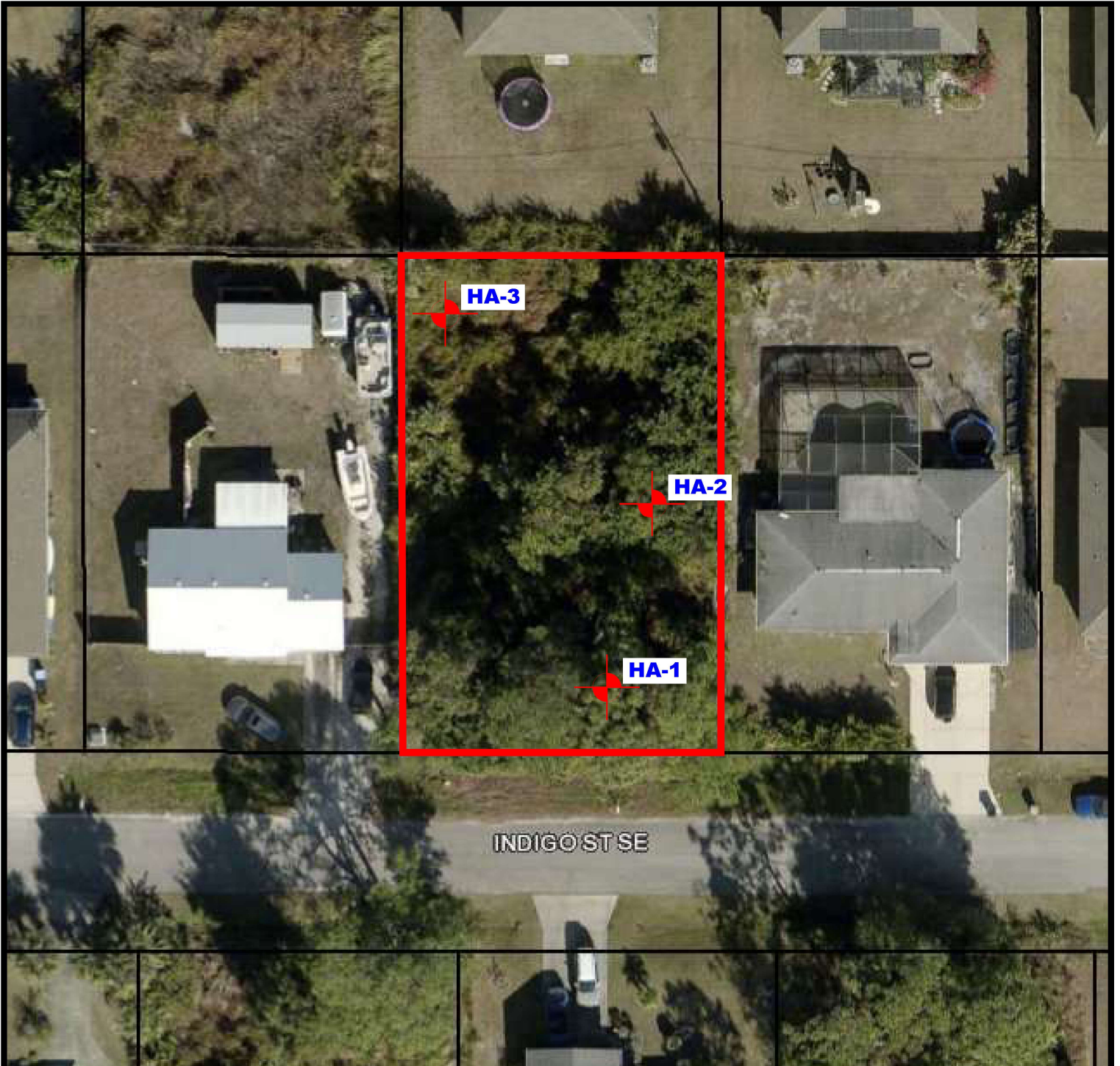


Ariana Wright

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Geotechnical Engineer

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APPROXIMATE LOCATION OF SOIL TESTING

PROJECT: 761 Indigo Street SE, Palm Bay, Florida

SHEET 1 OF 1
PERMIT #: N/A
PROJECT #: 2604729-ha

KSM ENGINEERING
AND TESTING

DRAWN BY: C.V.
DATE: 20260715
SCALE: NOT TO SCALE



CLIENT Center Point Homes

PROJECT NUMBER 2604729-ha

DATE STARTED 7/8/26 COMPLETED 7/8/26

DRILLING CONTRACTOR _____

DRILLING METHOD Auger Boring

LOGGED BY OR

NOTES See Attached Location Plan

PROJECT NAME 761 Indigo Street SE

PROJECT LOCATION Palm Bay, Florida

GROUND ELEVATION _____

GROUND WATER LEVELS:
▽ AT TIME OF DRILLING 5.4 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	BLOW COUNTS (N VALUE)	SCP VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	PERMEABILITY RATE (IN/HR)	ATTERBERG LIMITS		
									PLASTIC LIMIT	LIQUID LIMIT	PLASTIC INDEX
0		Gray Sand		35							
		Dark Brown Silty Sand with Organics		35							
				40							
				40	22.2	18.3	6.9				
5				40							
				40							

Bottom of borehole at 6.0 feet.



CLIENT Center Point Homes

PROJECT NAME 761 Indigo Street SE

PROJECT NUMBER 2604729-ha

PROJECT LOCATION Palm Bay, Florida

DATE STARTED 7/8/26 COMPLETED 7/8/26

GROUND ELEVATION _____

DRILLING CONTRACTOR _____

GROUND WATER LEVELS:
▽ AT TIME OF DRILLING 5.7 ft

DRILLING METHOD Auger Boring

LOGGED BY OR

NOTES See Attached Location Plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	BLOW COUNTS (N VALUE)	SCP VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	PERMEABILITY RATE (IN/HR)	ATTERBERG LIMITS		
									PLASTIC LIMIT	LIQUID LIMIT	PLASTIC INDEX
0		Gray Sand		35							
		Dark Brown Silty Sand with Organics		40							
				40							
				45							
5				45							
	▽										

Bottom of borehole at 6.0 feet.



CLIENT Center Point Homes

PROJECT NUMBER 2604729-ha

DATE STARTED 7/8/26

DRILLING CONTRACTOR _____

DRILLING METHOD Auger Boring

LOGGED BY OR

NOTES See Attached Location Plan

PROJECT NAME 761 Indigo Street SE

PROJECT LOCATION Palm Bay, Florida

GROUND ELEVATION _____

GROUND WATER LEVELS:
▽ AT TIME OF DRILLING 5.3 ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	BLOW COUNTS (N VALUE)	SCP VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	PERMEABILITY RATE (IN/HR)	ATTERBERG LIMITS		
									PLASTIC LIMIT	LIQUID LIMIT	PLASTIC INDEX
0		Gray Sand		30							
		Dark Brown Silty Sand with Organics		35							
				45							
				45							
				45							
5				45							

Bottom of borehole at 6.0 feet.