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Tom Eagle

Eagle Properties

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re: ELEVATION LETTER - PARCEL 23-35-16-02279-119, LOT 19, TURKEY CREEK UNIT 1, COLUMBIA COUNTY, FL

As requested, I inspected the building site for the proposed construction at the above referenced site. The building pad had been constructed at the time of the inspection. The elevation of the pad is 158.7 +/- as shown in Photo 1. The surveyed elevation of the road at the front of the lot is 158.76. The minimum finished floor elevation shall be 159.00. The finished floor of the home will be less than one foot above the nearest adjacent street.

This site is adjacent to an existing basin, SWMF 07. The basin was designed as part of the Turkey Creek Subdivision stormwater management plan. The as-builts for the subdivision show the street elevation at 160.10. The survey determined the actual street elevation is 1.34 feet lower. SWMF 07's spillway is constantly running with the water surface elevation clearly shown in Photo 1. The minimum finished floor elevation is visibly higher than the water surface elevation. Per the Turkey Creek Plans, the top of the bank of SWMF 07 is 158.5; however, per the contours and lidar information on the Columbia County site, the elevation of the bank is approximately 155 indicating the basin was not built per plan.

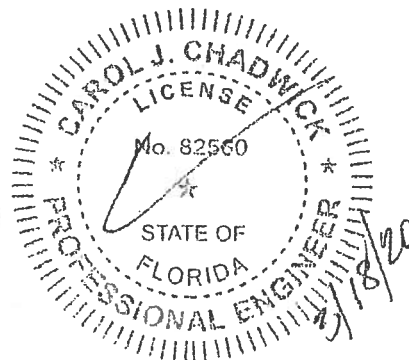
I certify that the minimum finished floor elevation listed above will protect the structure against water damage from a base flood event, as defined in Article 8 of the Land Development Regulations.

Should you have any questions, please don't hesitate to contact me.

Respectfully,

Carol Chadwick, P.E.

CC Job #FL20053



□



Photo 1. South side of the subject property looking northwest.



Photo 2. Subject property looking east from entrance road.



NOVA

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NUCLEAR DENSITY FIELD REPORT

GAUGE: 20185

PROJECT:	10129-1020001.000	TECHNICIAN:	J. Burch	DATE:	3/13/20			
TEST NUMBER	LOCATION	MAX DD	OPT MOIST	WT DENSITY	MOISTURE	DRY DENSITY	% COMPACT	PASS/FAIL
1	10' SW of E corner of 40' N of	110.6	10.3	123.0	10.5	111.3	101	PASS
2	5' corner of 40' S of N	110.6	10.3	123.1	12.1	109.8	99	PASS
3	center of 5' E of N	110.6	10.3	120.0	12.2	107.0	97	PASS
4	center of NW side	110.6	10.3	115.9	10.1	105.3	95	PASS
5		110.6	10.3	114.1	7.1	106.5	96	PASS
6	center of SW side	110.6	10.3	119.7	9.8	109.0	99	PASS
7	SW side center of	110.6	10.3	117.9	8.6	108.6	98	PASS
8	NE side center of	110.6	10.3	118.3	7.7	109.8	99	PASS

DRAFT REPORT

Gauge Standardization

DC = 1762

MC = 664

LOT #19

Per contractor, there are no specifications and minimum compaction requirement is 95% of a standard (D698) proctor.

Tests 1-4 are the 1st lift
Tests 5-8 are the 2nd lift