

CMV Engineering, LLC

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May 30, 2017

Tapawingo Subdivision
c/o Jeff Sanders
6 Break Ct.
Sunset Hills, Mo. 63127

Project: Tapawingo Streets
Percentage of grade

Dear Mr. Sanders,

Attached are the results of the field survey work detailing the percentage of grade for the streets of the Tapawingo Subdivision. The survey indicates the elevations of the ends of the individual concrete slabs along the centerline. The length of slab was divided into the difference of elevations at the ends to provide the percentage of grade. Rather than using the grade of the individual panels, averaging three consecutive panels will provide a more representative grade.

The maximum grade found in each area is shown on the accompanying chart.

If you have any questions, please don't hesitate to contact our office.

Sincerely,

Carl M. Vogt, P.E.
CMV Engineering, LLC

TAPAWINGO STREETS
RESULTS OF PERCENTAGE OF GRADE SURVEY

SHEET	LOCATION	CONSECUTIVE SLAB ELEVATIONS			AVERAGE
		PERCENTAGE OF GRADE			MAXIMUM
					% GRADE
S-1B	MAPLE DR. AT CADDYSHACK CIR	10.09	11.34	11.60	11.01
S-2B	MAPLE DR. AT LINDBERGH FACILITY	10.64	10.79	10.90	10.78
S-3B	GARY PLAYER DR. UPHILL FROM TAPAWINGO PLACE	14.07	13.95	13.32	13.78
S-8B	CADDYSHACK CIRCLE	10.11	10.05	9.96	10.04
S-15B	PAGADA PARKWAY	10.54	10.65	10.04	10.41