12_29 Driveway Deduction for 2ft 6in Curb and Gutter Payitem

Question:
Why is it that D&C Manager cannot deduct the length of concrete drives placed in line with EOP from Curb & Gutter length ? But when placed along the Curb & Gutter line, it deducts the correct amount.

Answer:
Although some form of deduction took place, the result computation is misleading and inaccurate. The computation is based on an old settings when the driveways were cells. The only driveway payitem recognized by this old setting is the first one. Which still exists and have a per each quantity of 22'.

If you ran the automatic quantity computation, then driveways are deducted only once, even though you have multiple driveway lines on top of the curb and gutter line.
Two questions had to be answered to make the Geopak Design and Computation to compute the net length of curb and gutter with respect to the automatic deduction of driveways.
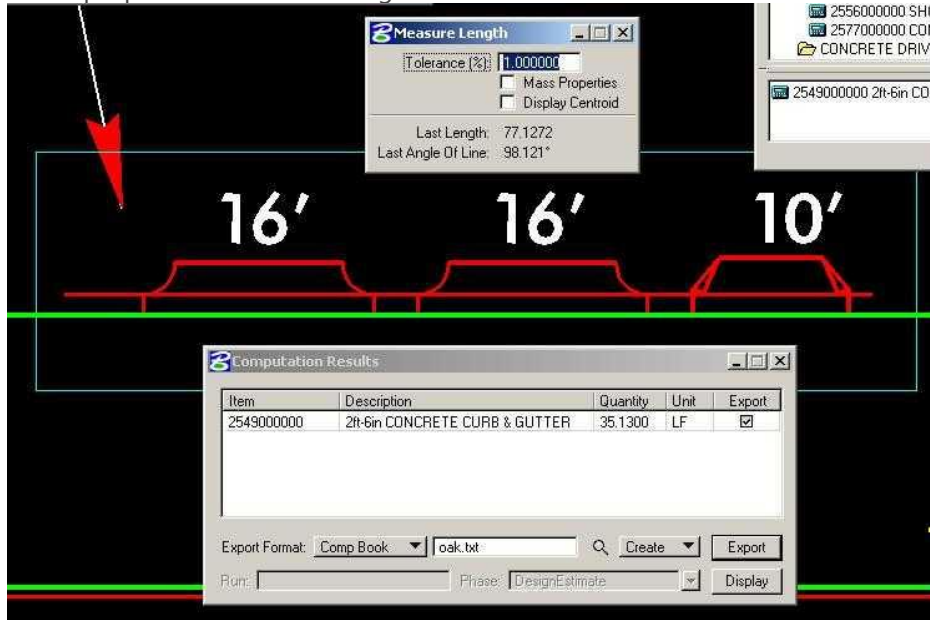1. Will the location of the point of origin for both, drop type and radius type, change from being on top of the proposed EOP to the curb and gutter line?
2. Will additional driveway linestyles needed to accommodate the different gutter widths for various curb and gutter types? This will result in 14 more driveway linestyles and possibly 14 new levels.

Answers
1. The point of origin for both driveway linestyles have been relocated from the proposed EOP to the curb

and gutter line (face of curb). See previous Q&A "Critical Driveway Linestyles Update" for further detail. 2. No additional driveway linestyles are currently being proposed for the various types of curb and gutter. The standard 2 ft gutter width of the standard 2ft-6in curb and gutter type will have to be assumed as a default. Any other curbing type will have either a small gap or a extra extension to the EOP line. Small enough to be noticeable when plotted as a hard copy.

For demonstration purpose only, I will place two 16' radius type and one 10' drop type driveways on top of the proposed 2'-6" curb and gutter.

The curb and gutter line measured 77.13' in length. 77.13' - 16' - 16' - 10' = 35.13'. This the result computation of the modified Design & Computation Manager Database (DDB). The only thing to be aware of at this time is that the gross length and deducted length are not shown with the net length in the D&C Comp Book report (pictured below). Hopefully this will get resolved on the next release of Geopak.