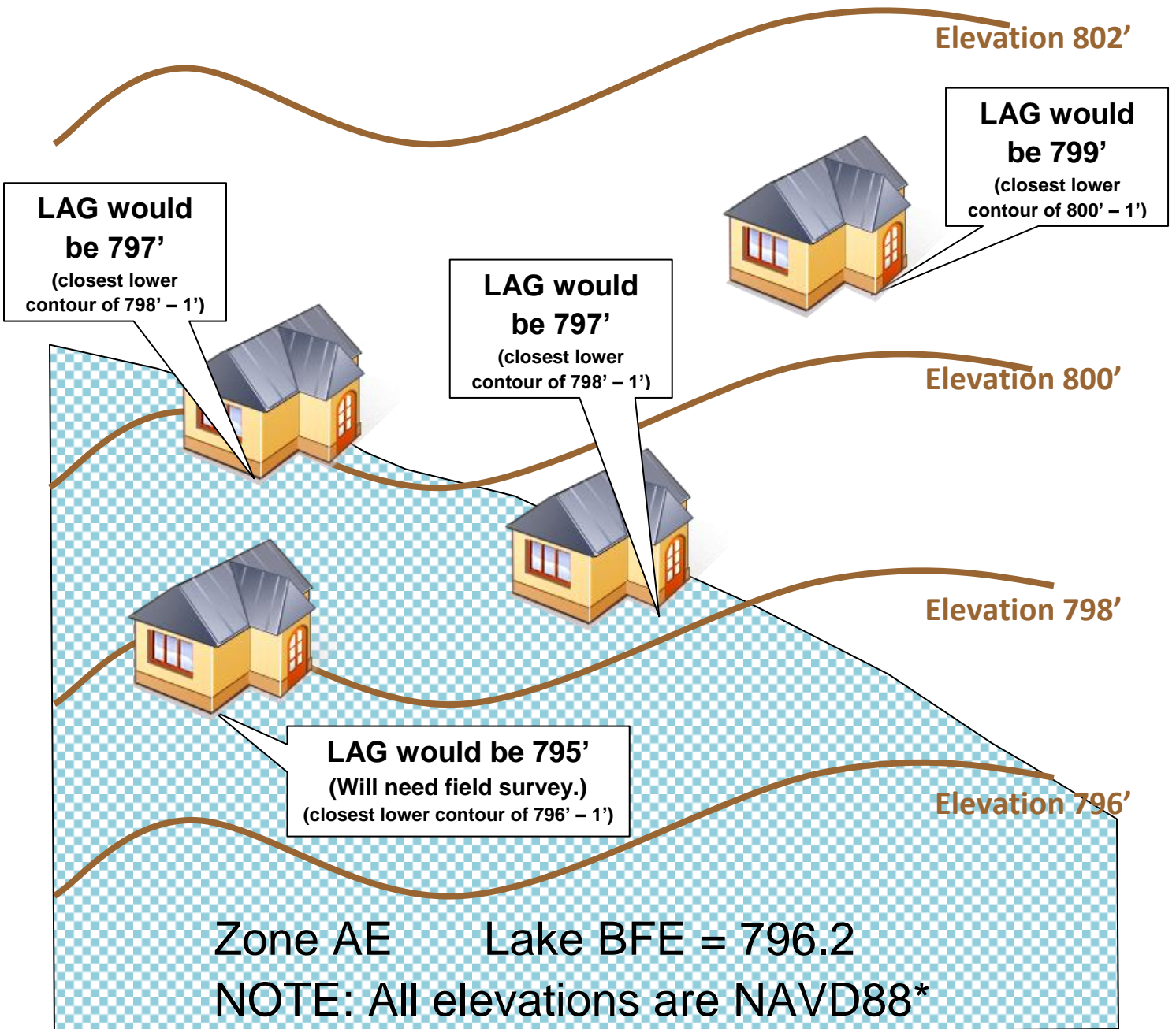# Attachment 1

Examples of How the Lowest Adjacent Grade (LAG) is Determined with Contours Derived from LiDAR

> ### Calculating the Lowest Adjacent Grade (LAG):
> 1. Determine the closest contour lower than the building footprint. NOTE: You must choose a contour that does NOT go through the building. Use the contour that is just below or just barely touching the structure (but not going through).
> 2. Subtract either ½ the contour interval or 1 foot (whichever is greater).
>   NOTE: Minnesota certified LiDAR contours are 2 foot intervals, so subtract 1 foot.

Elevation 802'

LAG would be 799'
(closest lower contour of 800' – 1')

LAG would be 797'
(closest lower contour of 798' – 1')

LAG would be 797'
(closest lower contour of 798' – 1')

Elevation 800'

Elevation 798'

LAG would be 795'
(Will need field survey.)
(closest lower contour of 796' – 1')

Elevation 796'

Zone AE   Lake BFE = 796.2
NOTE: All elevations are NAVD88*

*Datum MUST be noted for the contours and elevations