



Date: March 14th, 2022
Attn: Weber County Engineering

Memorandum pertaining to Stormwater Storage **Suncrest Meadows Subdivision**

Stormwater Storage:

1. Original calculations provided by Hansen and Associates indicated a required storage volume of storage volume of **142,396 CF**. However, upon reviewing those calculations it was discovered that the above volume was for a retention pond opposed to a detention pond. Gardner Engineering completed new calculation for the entire development, and found the required detention volume to be **80,688 CF**.
2. A survey was completed of the detention pond as constructed; the current storage volume was found to be **60,455 CF**. This volume is insufficient for the entire development. However, calculations performed for Phases 1 through 3 indicate a required detention volume of **56,389 CF**, which is sufficiently detained in the pond as constructed.
 - a. Pond will need to be revised prior to the construction of phase 4, design and calculations provided with this submittal