

3.6 GEOLOGY COMMENTS AND RESPONSES

Comment 3.6-1 (AKRF, Letter #4, September 29, 2008): The Carlin-Simpson & Associates report (Appendix R) identifies several conditions that may require design changes in the proposed retaining walls, including the provision of a “fall zone” at the base of the slope to contain any rock falling off the slope. We encourage the applicant to resolve these design considerations early in the review process as these considerations may affect the overall site plan.

Response 3.6-1: *The following recommendations from Carlin-Simpson have been incorporated into the plans:*

1. *The rock cut walls are designed with a vertical slope of approximately 1 horizontal to 5 vertical (1H:5V).*
2. *A minimum landing zone of 12 feet to 14 feet has been provided between the edge of pavement and the base of the rock cuts on the southern side of the retail buildings on Lot 2 per the recommendations from Carlin-Simpson for rock cut heights of between 20 feet and 30 feet.*
3. *Perimeter cut-off drains have been provided along the perimeter of the pavement area on the southern side of the retail buildings on Lot 2.*
4. *The need for horizontal drains will be determined during construction.*
5. *The locations of the footing drains behind the retaining walls will be included on the final retaining wall design drawings.*