

October 11, 2017

Mr. Kristin Watanabe
City of Aurora, Engineering Department
15151 E. Alameda Parkway, 3rd Floor
Aurora, Colorado 80012

RE: Bioscience III, South Parking Lot – Preliminary Drainage Letter

Dear Ms. Watanabe:

On behalf of Mortenson Development, Matrix Design Group, Inc. (Matrix) is submitting this Drainage Letter for the Bioscience III south parking lot.

The site in question is approximately 0.33 acres west of the existing Bioscience I building on the north side of Montview Boulevard. The site is currently a landscaped area and is proposed to be constructed as an asphalt parking lot. The site slopes to the north and drains to an existing system in 21st Avenue which conveys the runoff to Pond 374, the regional detention facility near Fitzsimons Parkway and Ursula Street.

Several drainage reports have been completed which include this site, including Fitzsimons Filing No. 2 and, more recently, the Fitzsimons Innovation Campus Infrastructure Master Plan (IMP). In the IMP, the site was within a basin that was calculated to be 85% impervious. The paving of the site will not cause the imperviousness of that basin to exceed 85%. The downstream system is sized to accommodate up to 150 acres of development. This change to 0.33 acres will not have a significant effect on the calculations.

Based on this, the downstream system is adequate for the proposed parking lot west of Bioscience I.

Respectfully submitted,
Matrix Design Group, Inc.



Michael McGoldrick, CO PE 30960.
Project Manager

