



AECOM
6499 America's Parkway NE
Albuquerque, NM 87110
aecom.com

Project name:
Prosperity Substation

Project ref:
60664881

From:
Dana Peterson, P.E., CFM

Date:
March 3, 2023

To:
Renee Brissette, P.E., CFM
Hydrology Section, Development Review
Services,
Planning Department
City of Albuquerque

CC:
Scott Medina, P.E.

Memo

Subject: Q15D002 Update Summary March 2023

The enclosed drainage report (stamp date: 03/03/2023) updates and supersedes the previous drainage report with engineer's stamp date: 05/23/2022. This project has been modified to retain on-site drainage that currently discharges into the Tijeras Arroyo. The following modifications have been made to the drainage report:

- **Proposed Project:** This project is now to be phased (Phase 1: South Area, Phase 2: North Area). All full-build permanent drainage improvements, except the storm drain serving the Phase 2 build-out are to be constructed with Phase 1.
- **Existing Hydrology:** Unchanged
- **Proposed Hydrology:** Discharges to the Tijeras Arroyo are eliminated and drainage directed to East Pond and Lower West Pond. East Pond and Lower West Pond are converted to retention; Upper West Pond remains as a detention pond.
- **Downstream Capacity:** Runoff to Tijeras Arroyo is eliminated with the onsite retention; runoff to Los Picaros is reduced further from the previous drainage report.
- **Proposed Hydraulics:** New storm drain and ditch hydraulics were prepared in Bentley StormCAD and profiles included in the attachments.
- **Drainage and Grading Plan:** The drainage and grading plan has been revised to reflect the above modifications and is included in the attachments
- **Models:** The updated zipped hydrologic and hydraulic models are too large to email and can be sent via file transfer upon request.

Please let me know if there are any questions or concerns.

Very respectfully,

Dana Peterson, P.E., CFM