CITY OF ALBUQUERQUE
PLANNING DEPARTMENT

HYDROLOGY DEVELOPMENT SECTION
ENVIRONMENTAL PLANNING SERVICES

EPC project # 1003274 (Ladera Crossing Self Storage); Will require a Grading and Drainage Plan addressing the below criteria, the criteria stated in the Development Process Manual, and the design guidelines in Standard Specifications when developing this property.
Hydrology Engineer: Reneé Brissette, PE

GENERAL HYDROLOGY CRITERIA:
AMAFCA approval required. Site is below emergency spillway of Dam 13 Ladera.

- Beyond 10' of a structure, all landscape beds to be depressed below grade. Within 10', runoff shall be directed away from the structure.

- All new development projects shall manage the runoff from precipitation which occurs during the 90th Percentile Storm Events, referred to as the "first flush." The Site Plan/Drainage Plan must indicate all areas and mechanisms intended to capture the first flush. For volume calculations, the 90th Percentile storm event is 0.44 inches. For Land Treatment D the initial abstraction is 0.1", therefore the first flush volume should be based on 0.44"-0.1"=0.34" and only consider the impervious areas.
    - State how the first flush will be retained and provide supporting calculations
    - State the area of Land Treatment D on the plan

- The applicant may request a pre-design meeting with the Hydrology Section; a Conceptual Grading and Drainage plan or site plan should be included. Contact either Dana Peterson (dpeterson@cabq.gov) or Reneé Brissette (rbrissette@cabq.gov) to set up a pre-design meeting.

    - The engineer should research the Master Drainage Plan and/or adjacent sites – essentially practice due diligence prior to meeting. Conceptual Grading and Drainage plans should reference the master drainage plan or other sources that indicate the intended drainage for that area. The applicant should provide excerpts from the supporting documents and/or grading plans.
    - Final Drainage Reports should have an appendix with all supporting documentation

- When determining allowable discharge from a site:
    - Downstream Capacity is the determining criteria for allowable discharge; historic discharge has no relevance.
    - If a Master Drainage Report planned an allowable discharge for a site, determine if the basis for that discharge is still valid or if conditions have since changed.
    - If discharging to the street, determine if the street has capacity. Also determine if the storm drain has capacity.
    - If discharging to the back of inlets, determine if doing so will still provide capacity for the discharge from the street.
    - All flows must enter a water quality pond/swale before leaving the site or entering the public storm sewer system.