

4900 Lang Ave NE Albuquerque, NM 87109 505-348-4000 phone 505-348-4055 fax

April 20, 2015

Jeanne Wolfenbarger, P.E. Senior Engineer, Planning Department Development Review Services 600 2<sup>nd</sup> St. NW, Suite 201 Albuquerque, NM 87102

RE: Chaparral Elementary School Portable Relocation Grading and Drainage Plan Engineer's Stamp Dated 4-14-15 (File: F10-D005)

Dear Ms. Wolfenbarger,

Attached is the revised Grading and Drainage Plan sheet submitted for approval. The revisions have been performed based on your comments from the original submittal. Two hardcopy sets will be delivered to your office in addition to this electronic submittal.

The following is a written response to those comments:

- 1. The first flush volume of 220 cubic feet will be conveyed to the Ladera Basin 16 sump which lies immediately east of the school site. The sump will allow any pollutants to settle out before entering the city storm drain system. The first flush computation have been included on the sheet.
- 2. Analysis points have been included at pipe inlets and sidewalk culverts. Calculations were also included showing the capacity of the proposed structures.
- 3. The existing 18" storm drain pipe has been labeled and a proposed 100-year discharge of 11.94 cfs is also labeled.
- 4. Additional flow arrows showing the direction of runoff form the roofs of the portable buildings have been included. Any flow on the west side of the portable buildings will flow north passed the portable building than east toward the proposed curb & gutter. The direction of discharge in Basin 4A within this project continues to follow existing drainage patterns. The increase in impervious area is accounted for in the plans to develop Basin 4A which will proceed following the completion of the portable relocation project. Refer to Chaparral Elementary School Addition Plans for Proposed Developments layouts.

Sincerely,

Eugenio Valdez, P. Project Engineer Wilson & Company

Cc: Sal War File



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