

**From:** [Rael, Rudy E.](#)  
**To:** [""Diane Hoelzer" \(Diane@goodwinengineers.com\)""](#)  
**Cc:** [Carrillo, Abiel X.](#)  
**Subject:** 6309 Camino Alto NW  
**Date:** Friday, December 16, 2016 9:01:00 AM  
**Attachments:** [image001.gif](#)

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Ms. Hoelzer,

This email is being sent in lieu of an attached comment letter in order to expedite our comments.

Response to comments should continue to be included in the resubmittal. A reply to these comments via email will not be considered a resubmittal.

Based upon the information provided in your submittal received 12/12/16, the above referenced Grading and Drainage plan dated 12/9/16 cannot be approved for Grading Permit or Building Permit until the following comments are addressed:

- Provide flows exiting the rear yard, these flows are to enter the existing pond on the west side of Kimmick St.
- Provide the proper size openings in the rear walls for cross lot draining.
- Provide a note on the plans requiring the openings to be 3" above grade.
- Provide a note stating that retaining walls and garden walls require a separate permit. Also let the owner or contractor know that the retaining wall requires an engineer certified plan. If you are not the engineer for the walls provide a note stating that walls are being certified by others.
- Provide a note about the Special Flood Hazard Area (SFHA).
- Provide a note that a Pad Certification is required before pad is poured.

If you should have any questions feel free to contact me or Abiel Carrillo at 924-3986.

*Rudy E. Rael, CE, CFM*  
Engineer Assistant, Hydrology  
Planning Department  
600 2nd St. NW Suite 201  
Albuquerque NM 87102  
(505) 924-3977



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: 6309 Camino Alto N.W., Albuquerque, Building Permit #: 2016-34127 City Drainage #: D-10/  
DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_  
Legal Description: LOT 3-A-1 IN BLOCK C OF LOUISIANA SUBDIVISION, ALBUQUERQUE, NM  
City Address: \_\_\_\_\_

Engineering Firm: MARK GGODWIN & ASSOCIATES, PA Contact: DIANE HOELZER, PE  
Address: 8916 ADAMS NE, ABQ, NM 87113  
Phone#: 828-2200 Fax#: \_\_\_\_\_ E-mail: diane@goodwinengineers.com

Owner: Raylee Homes Inc Contact: Jeff Grady  
Address: PO Box 1443, ABQ, NM 87048  
Phone#: 338-1438 Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Architect: Raylee Homes Contact: Bob Feeney  
Address: \_\_\_\_\_  
Phone#: 505-263-9956 Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Surveyor: N/A Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Contractor: N/A Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

### TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st SUBMITTAL
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL G & D PLAN
- ☒ GRADING PLAN
- ☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ ENGINEER'S CERT (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEER'S CERT (TCL)
- ☐ ENGINEER'S CERT (DRB SITE PLAN)
- ☐ ENGINEER'S CERT (ESC)
- ☐ SO-19
- ☒ OTHER (SPECIFY **(PART OF S&D 228)**)

### CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

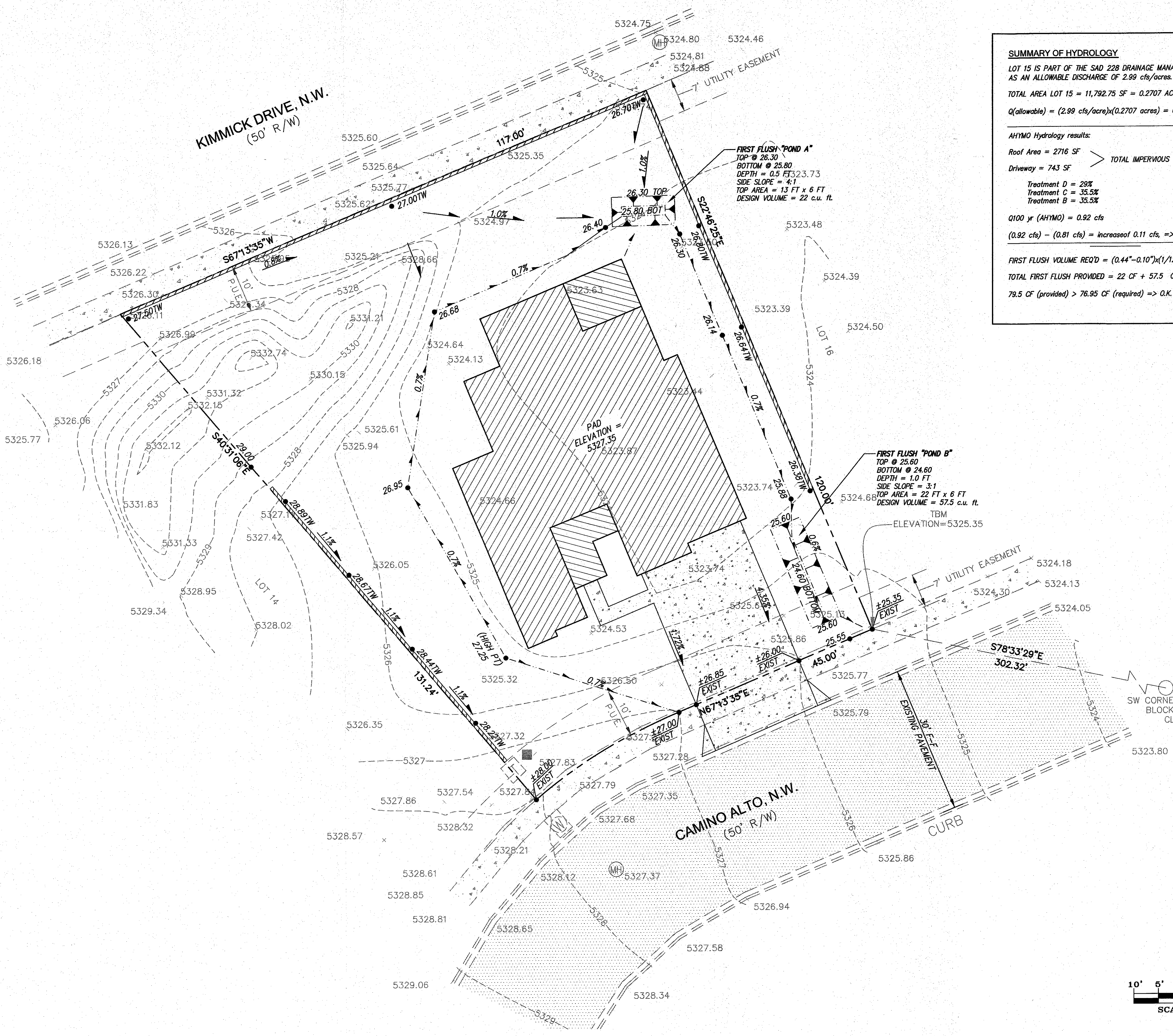
- ☐ SIA/FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D APPROVAL
- ☒ S. DEV. FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (PERM)
- ☐ CERTIFICATE OF OCCUPANCY (TCL TEMP)
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ BUILDING PERMIT APPROVAL
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☐ GRADING CERTIFICATION
- ☐ SO-19 APPROVAL
- ☐ ESC PERMIT APPROVAL
- ☐ ESC CERT. ACCEPTANCE
- ☐ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED: \_\_\_\_\_ Yes ☒ No \_\_\_\_\_ Copy Provided

DATE SUBMITTED: DECEMBER 9, 2016 By: DIANE HOELZER, PE

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
2. **Drainage Plans** Required for building permits, grading permits, paving permits and site plans less than five (5) acres
3. **Drainage Report** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
4. **Erosion and Sediment Control Plan** Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development



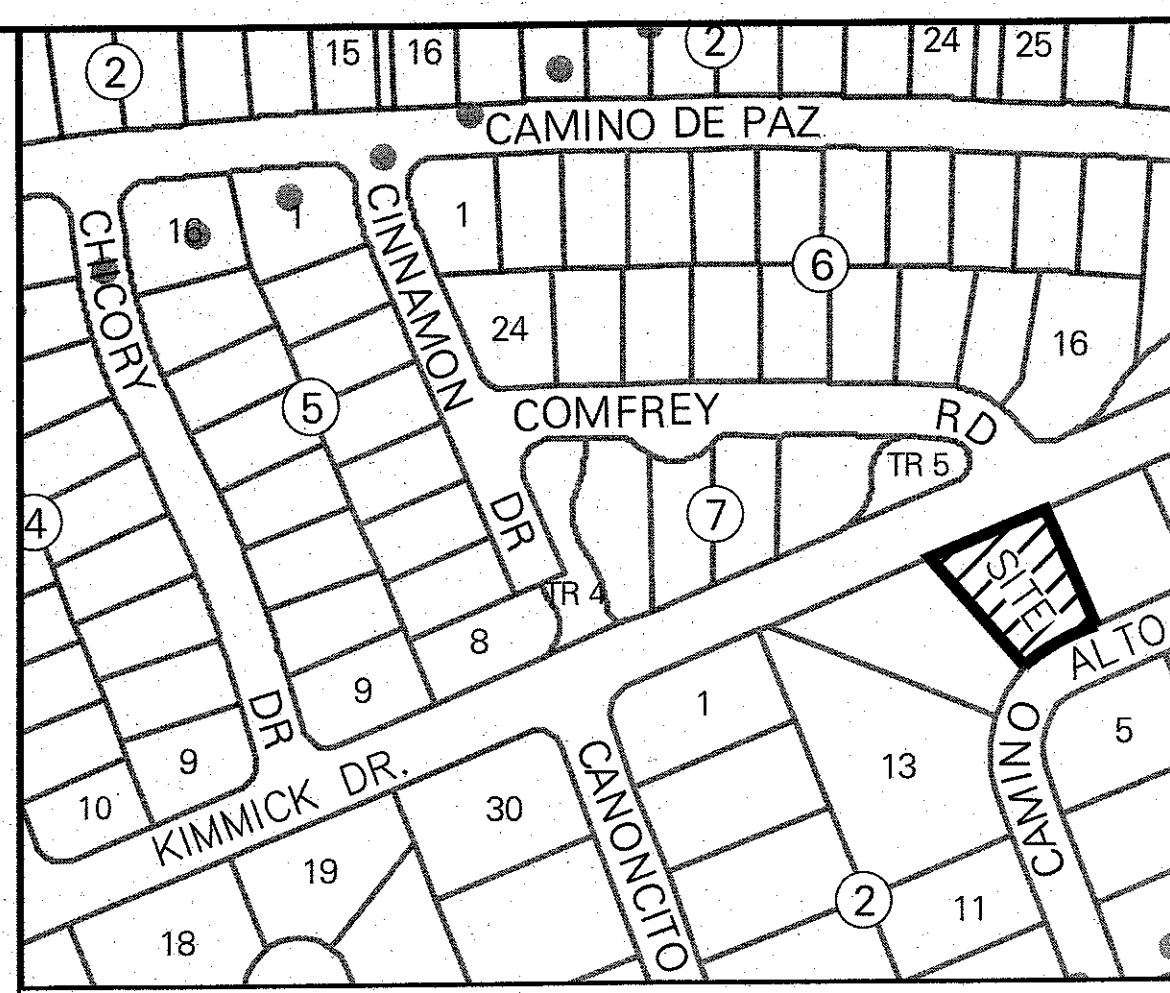
**SUMMARY OF HYDROLOGY**  
LOT 15 IS PART OF THE SAD 228 DRAINAGE MANAGEMENT PLAN WHICH AS AN ALLOWABLE DISCHARGE OF 2.99 cfs/acre.  
TOTAL AREA LOT 15 = 11,792.75 SF = 0.2707 ACRES  
 $Q(allowable) = (2.99 \text{ cfs/acre}) \times (0.2707 \text{ acres}) = 0.81 \text{ cfs}$

**HYMO Hydrology results:**  
Roof Area = 2716 SF  
Driveway = 743 SF  
TOTAL IMPERVIOUS = 3459 SF

Treatment D = 29%  
Treatment C = 35.5%  
Treatment B = 35.5%

$Q100 \text{ yr (HYMO)} = 0.92 \text{ cfs}$   
 $(0.92 \text{ cfs}) - (0.81 \text{ cfs}) = \text{increase of } 0.11 \text{ cfs, } \Rightarrow \text{insignificant.}$

FIRST FLUSH VOLUME REQ'D =  $(0.44 - 0.10) \times (1/12) \times 2716 \text{ SF} = 76.95 \text{ CF}$   
TOTAL FIRST FLUSH PROVIDED = 22 CF + 57.5 CF = 79.5 CF  
 $79.5 \text{ CF (provided)} > 76.95 \text{ CF (required)} \Rightarrow \text{O.K.}$



VICINITY MAP ZONE MAP: D-10-Z

**LEGAL DESCRIPTION**  
UNIT 22, BLOCK 2, LOT 15 OF THE VOLCANO CLIFFS SUBDIVISION, BERNILLO COUNTY, NEW MEXICO AS SAID LOT IS SHOWN AND DESIGNATED ON THE PLAT THEREOF FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNILLO COUNTY, NEW MEXICO ON JULY 9, 1975, VOL. D6, FOLIO 162.

- LEGEND**
- EXISTING SPOT ELEVATION
  - EXISTING UTILITY PEDESTAL
  - EXISTING TRANSFORMER
  - EXISTING WATER METER W/CONC PAD
  - EXISTING SAS MANHOLE
  - EXISTING CURB & GUTTER
  - EXISTING CONTOUR (MAJOR)
  - EXISTING CONTOUR (MINOR)
  - EXISTING EASEMENT
  - EXISTING BOUNDARY LINE
  - EXISTING SIDEWALK
  - EXISTING PAVEMENT
  - NEW RETAINING WALL
  - NEW SPOT ELEVATION
  - NEW TOP OF WALL ELEVATION
  - NEW FLOW DIRECTION ARROW
  - NEW DRAINAGE SWALE

DAVE HOE  
NEW MEXICO  
11967  
12-9-16

**ROYBAL RESIDENCE**  
**6309 CAMINO ALTO N.W.**  
**GRADING & DRAINAGE PLAN**

**dmg** MARK GOODWIN & ASSOCIATES, P.A.  
CONSULTING ENGINEERS  
P.O. BOX 90606  
ALBUQUERQUE, NEW MEXICO 87199  
(505)828-2200, FAX (505)797-9539

Designed: DLH Drawn: ACH Checked: DMG Sheet 1 of 1  
Scale: 1" = 1' Date: 09-19-16 Job: A16061