



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

012D00384

Project Title: Noahs at Fountain Plaza Building Permit #: _____ City Drainage #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: LOT 1A FOUNTIAN HILLS PLAZA

City Address: VISTA FUENTES ROAD NW

Engineering Firm: RIO GRANDE ENGINEERING Contact: DAVID SOULE

Address: PO BOX 93924, ALBUQUERQUE, NM 87199

Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: DAVID@RIOGRANDEENGINEERING.COM

Owner: FOUNTAIN HILLS LLC Contact: _____

Address: PO BOX 920798 EL PASO TX 79902

Phone#: _____ Fax#: _____ E-mail: _____

Architect: _____ Contact: JOE SIMONS

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: CONSTRUCTION SURVEY TECHNOLOGIES Contact: JOHN GALLEGOS

Address: _____

Phone#: 917.8921 Fax#: _____ E-mail: _____

Contractor: _____ 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)

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: April 15, 2015 By: [Signature]

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

Rio Grande Engineering of NM, LLC

April 14, 2015

Ms. Rita Harmon, PE
Hydrology Division
Planning Department
City of Albuquerque

Re: Noah's at Fountain Plaza Grading and Drainage Plan (C12/D003B4)

Dear Ms. Harmon,

Thank you for your letter (attached) dated April 6, 2015 regarding the above referenced project. Please note that your letter references a grading and drainage plan dated 9-15-14, the plan that was submitted 3-13-15 had a stamp date of 2-25-15 so some of the issues you had were incorporated in that 2-25-15 grading plan.

The following is in response to your letter.

1. The build notes for this site have been added to the grading and drainage plan.
2. The information regarding the berms have been added.
3. The elevation issues have been addressed and the ponds are now identified as being "first flush ponds".
4. A cross-section for the retaining walls have been added to the grading plan.
5. A cross-section for the earthen swale has been added to the grading plan.
6. Curb cuts have been added to the grading plan.
7. Existing and proposed contours have been added to the grading plan.
8. Roof flows have been added to the grading plan.
9. The flow capacity for the 3-6 pipes under the sidewalk are on the exhibit A, attached to this letter.
10. The patio on the south end of this building is contained within a wall. A note indicating that blocks at grade will need to be turned, as to leave an opening for the stormwater that falls within this patio area.
11. An electronic submittal is included.

Thank you for your consideration.

Sincerely,


David Soule, PE
Rio Grande Engineering of NM, LLC

Exhibit A

Capacity of 3 - 6 inch diameter pipes under the sidewalk

$$Q = A \times C \times (2gh)^{1/2}$$

$$A = \text{area of opening} = 0.79 \text{ sf}$$

$$C = \text{Coefficient of velocity} = 0.82$$

$$g = 32.2 \text{ ft/s}^2$$

$$h = 0.25 \text{ ft}$$

$$Q = 0.79 \times 0.82 \times (2 \times 32.2 \times 0.25)^{1/2}$$

$$Q = 2.6 \text{ cfs per pipe}$$

Thus 3 pipes = 7.8 cfs, The drainage basin "E" generates 1.46 cfs , therefor
3 pipes have more than adequate capacity....

CITY OF ALBUQUERQUE

April 6, 2015



David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, New Mexico 87199

RE: **Noah's at Fountain Plaza
Vista Fuentes Rd.
Grading and Drainage Plan
Engineers Stamp Date 9/15/14 (C12D003B4)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 3/13/15, this plan cannot be approved for Grading Permit and Building Permit until the following comments are addressed.

- Provide build notes on the G&D plan.
- Provide the materials of the berms? What are the slopes? What are the heights?
- The ponds do not match the elevations provided, such as bottom of pond and top of pond. How are flows leaving the ponds? In the notes section change the statement water quality to first flush.
- Provide cross sections of the retaining walls.
- Provide a cross section of the earthen swale.
- Provide curb cuts at various other locations.
- Provide existing and proposed contours.
- Provide roof flows.
- Provide the flow capacity for the three 6" pvc pipes under the sidewalk. A sidewalk culvert may be the preferred option for this location to avoid clogging unless the swale is made of a non erosive material.
- The south end of the building appears to have a patio with brick pavers, does this area contain a wall also or is the double line a curb? If either case how are flows leaving this area?

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

Sincerely,

Rita Harmon, P.E.
Senior Engineer, Hydrology
Planning Department

RR/RH
C: File