

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

April 5, 2021

David Soule, P.E.
Rio Grande Engineering
P.O. Box 93924
Albuquerque, NM 87199

RE: 4747 South Dale Dr. SW
Revised Grading and Drainage Plan
Engineer's Stamp Date: 03/28/21
Engineer's Certification Date: 03/28/21
Hydrology File: Q10D005

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 03/29/2021, the Grading and Drainage Plan is approved for Building Permit and Building Pad Certification for 4747 South Dale Dr. SW. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

NM 87103

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

www.cabq.gov

Sincerely,

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 4747 SOUTHDALE **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT I BLOCK 11, UNIT 2 VALLEY GARDENS SOUTHE
City Address: 4747 SOUTHDALE

Applicant: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE
Address: PO BOX 93924 ALB NM 87199
Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

TYPE OF DEVELOPMENT: _____ PLAT ☒ RESIDENCE _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:
☒ HYDROLOGY/ DRAINAGE
_____ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:
_____ ENGINEER/ARCHITECT CERTIFICATION
☒ PAD CERTIFICATION
_____ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
_____ DRAINAGE REPORT
_____ DRAINAGE MASTER PLAN
_____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
_____ ELEVATION CERTIFICATE
_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT (TCL)
_____ TRAFFIC IMPACT STUDY (TIS)
_____ STREET LIGHT LAYOUT
_____ OTHER (SPECIFY) _____
_____ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: _____ Yes ☒ No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

☒ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY
_____ PRELIMINARY PLAT APPROVAL
_____ SITE PLAN FOR SUB'D APPROVAL
_____ SITE PLAN FOR BLDG. PERMIT APPROVAL
_____ FINAL PLAT APPROVAL
_____ SIA/ RELEASE OF FINANCIAL GUARANTEE
_____ FOUNDATION PERMIT APPROVAL
_____ GRADING PERMIT APPROVAL
_____ SO-19 APPROVAL
_____ PAVING PERMIT APPROVAL
_____ GRADING/ PAD CERTIFICATION
_____ WORK ORDER APPROVAL
_____ CLOMR/LOMR
_____ FLOODPLAIN DEVELOPMENT PERMIT
_____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method													
											100-Year, 6-hr.		
Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted (ac-ft)	Volume (ac-ft)	Flow cfs				
Historical	6664.00	0.153	40%	0.061	60%	0.092	0%	0	0%	0.000	0.658	0.008	0.29
PROPOSED	6664.00	0.153	0%	0	12%	0.018	26%	0.0398	62%	0.095	1.723	0.022	0.54
COMPARISON											0.014		0.25

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm- zone 1
Ea= 0.55 Qa= 1.54
Eb= 0.73 Qb= 2.16
Ec= 0.95 Qc= 2.87
Ed= 2.24 Qd= 4.12

ONSITE Conditions
100-YEAR 6 HOUR VOLUMES

	GENERATED (CF)	RETAINED (CF)
ENTIRE SITE	592	673

This site is within a fully developed area within the valley gardens subdivision. The drainage file for this subdivision include an incorrect plan. It appears this site was graded at the time of initial developmenn. All of the adjacent sites free discharge to Southdale. This lot is the last developed lot in the neighborhood. Based upon the allowed development criteria for the existing basin, we propose free discharge and will retain the increas in flow volume based upon the 6-hour event. This site is not impacted by upland flows and the site is to maintain existing patterns and drain to the :

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 3/28/21 SITE APPEARS TO HAVE HAD PAD CONSTRUCTED AT TIME OF INITIAL DEVELOPMENT OF THE VALLEY GARDENS SUBDIVSION,



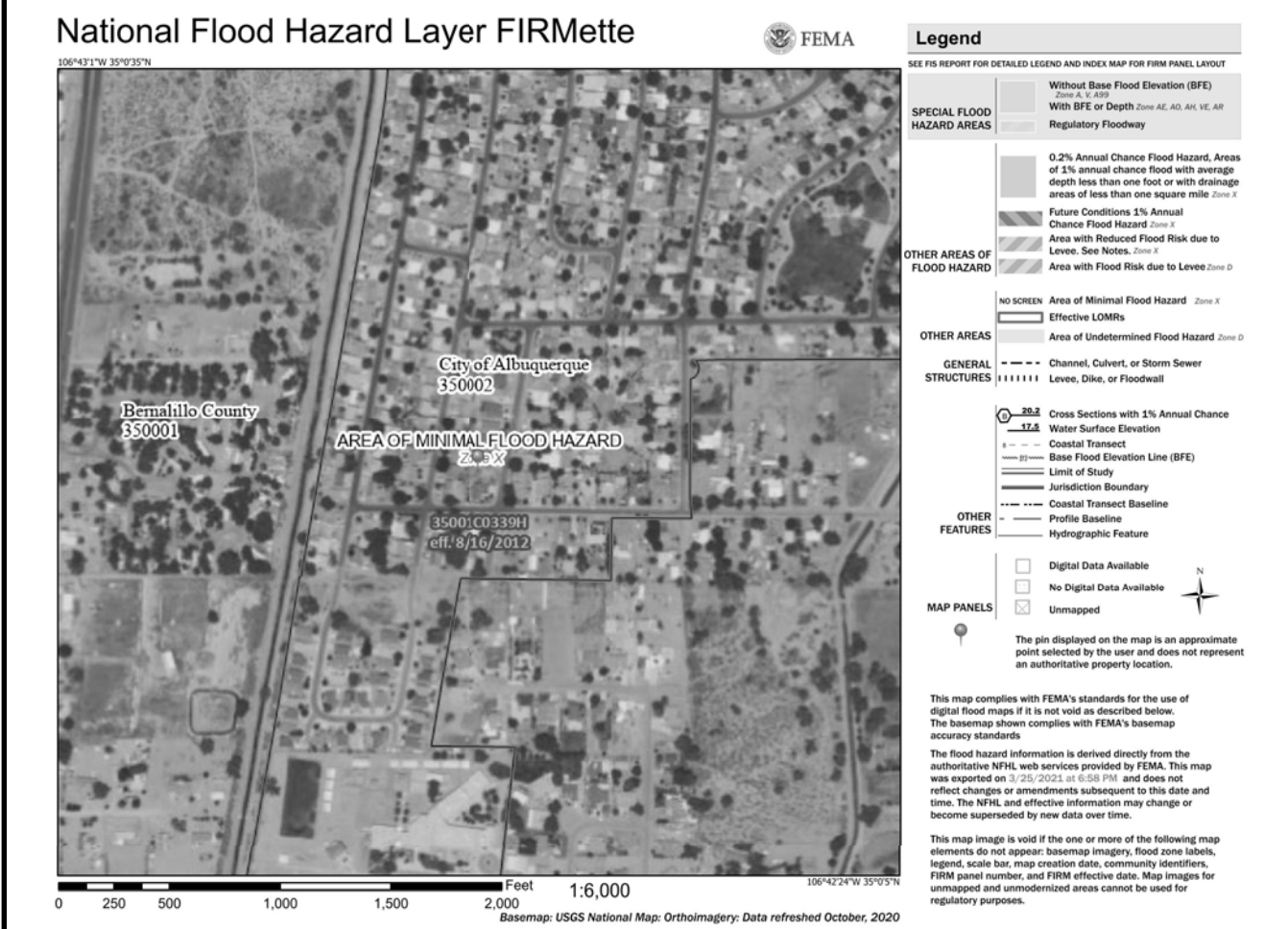
3/28/21

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: Q-10-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 1 BLOCK 11 UNIT 2 VALLEY GARENS SOUTH CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

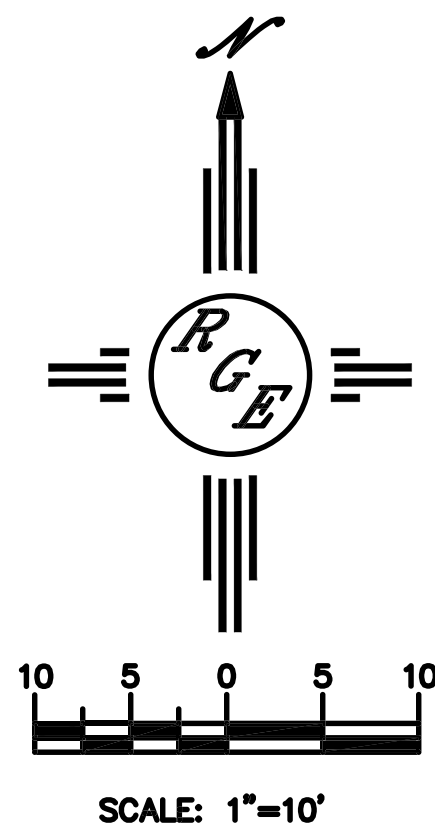
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

LEGEND

---	XXXX	EXISTING CONTOUR
---	XXXX	EXISTING INDEX CONTOUR
---	XXXX	PROPOSED CONTOUR
---	XXXX	PROPOSED INDEX CONTOUR
+	XXXX	EXISTING SPOT ELEVATION
●	XXXX	PROPOSED SPOT ELEVATION
---		BOUNDARY
---		ADJACENT BOUNDARY
=====		EXISTING CURB AND GUTTER
---		PROPOSED EARTHEN SWALE
---		PROPOSED RETAINING WALL
[Pattern]		PROPOSED GRAVEL
[Pattern]		PROPOSED CONCRETE
[Pattern]		PROPOSED 2' WIDE COBBLE SWALE

CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



ENGINEER'S SEAL 	Lot 1 Blk 11 Un 2 Valley Garens South 4747 SOUTHDALE DRIVE	DRAWN BY DEM
	GRADING AND DRAINAGE PLAN	DATE 3-26-21
 P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099	SHEET # C1	Lot 1 Blk 11 Un 2 Valley Garens South.dwg
	JOB #	