

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

February 19, 2020

Don Briggs, P.E.
Don Briggs Engineering, LLC
5324 Oakledge Ct. NW
Albuquerque, NM 87120

RE: Viva Paradise - Phase II
5516 Buglo NW
Revised Conceptual Grading and Drainage Plan
Engineer's Stamp Date: 02/18/20
Hydrology File: B11D010A

Dear Mr. Briggs:

PO Box 1293

Based upon the information provided in your submittal received 02/18/2020, the Revised Conceptual Grading & Drainage Plan is approved for action by the DRB on Site Plan for Building Permit.

Albuquerque

NM 87103

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Dough Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

www.cabq.gov

If you have any questions, please contact me at 924-3995 or rbrissette@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 11/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

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

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

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

Owner: _____ **Contact:** _____

Address: _____

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

TYPE OF SUBMITTAL: _____ PLAT (____# OF LOTS) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL?: _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

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

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: _____

Hydrology Calculations
VIVA PARADISE TOWNHOMES

Historic (Allowable)

Precipitation Zone 1

100 yr 6 hr Storm

Basin Area = 2.52 ac. 109771.2 sq ft Determined by DB

Land Treatment	Percent	Area (ac.)	Excess Precipitation (in.)	Unit Peak Discharge (cfs/ac.)	Runoff Volume (ac. Ft.)	Peak Discharge (cfs)	Comments
A	100.00%	2.52	0.44	1.29	0.09	3.25	Natural Ground
B	0.00%	0.00	0.67	2.03	0.00	0.00	Landscaped Areas
C	0.00%	0.00	0.99	2.87	0.00	0.00	Compacted earth
D	0.00%	0.00	1.97	4.37	0.00	0.00	Impervious Areas
TOTAL	100.00%	2.52	0.44		0.09	3.25	

Developed

Precipitation Zone 1

100 yr 6 hr Storm

Basin Area 2.52 ac. 109771.2 sq ft Determined by DB

Land Treatment	Percent	Area (ac.)	Excess Precipitation (in.)	Unit Peak Discharge (cfs/ac.)	Runoff Volume (ac. Ft.)	Peak Discharge (cfs)	Comments
A	0.00%	0.00	0.44	1.29	0.00	0.00	Natural Ground
B	7.38%	0.19	0.67	2.03	0.01	0.38	Landscaped Areas
C	0.00%	0.00	0.99	2.87	0.00	0.00	Compacted earth
D	92.62%	2.33	1.97	4.37	0.38	10.20	Impervious Areas
TOTAL	100.00%	2.52	1.87		0.39	10.58	

Developed Discharge Volume Discharge
0.39 (ac ft) 10.58 (cfs)

Required Ponding		17143	(cu. ft.)
Water Quality Volume =	0.34"/(12"/ft) * 101672	2881	(cu. ft.)
Minimum Pumping Rate (Req. Ponding - WQ Vol in 96hr) =		0.04	(cfs)
		18.52	(gpm)
Maximum Pumping Rate (0.5cfs/ac) =		1.26	(cfs)
		565.49	(gpm)

Offsite Basin

Precipitation Zone 1

100 yr 6 hr Storm

Offsite Basin Area = 0.964547 ac. 42015.654 sq ft Determined by DB

Land Treatment	Percent	Area (ac.)	Excess Precipitation (in.)	Unit Peak Discharge (cfs/ac.)	Runoff Volume (ac. Ft.)	Peak Discharge (cfs)	Comments
A	100.00%	0.96	0.44	1.29	0.04	1.24	Natural Ground
B	0.00%	0.00	0.67	2.03	0.00	0.00	Landscaped Areas
C	0.00%	0.00	0.99	2.87	0.00	0.00	Compacted earth
D	0.00%	0.00	1.97	4.37	0.00	0.00	Impervious Areas
TOTAL	100.00%	0.96	0.44		0.04	1.24	

POND VOLUME 3:1 SIDE SLOPES BERMED Revised

ELEVATION	AREA	AVE AREA	DEPTH	CUM DEPTH	VOLUME	CUM VOLUME
5318.00	2555.85					
		2914.14	1.00	1.00	2914.14	2914.14
5319.00	3272.43					
		3675.89	1.00	2.00	3675.89	6590.03
5320.00	4079.34					
		4525.09	1.00	3.00	4525.09	11115.12
5321.00	4970.84					
		5458.98	1.00	4.00	5458.98	16574.10
5322.00	5947.11					
		6477.84	1.00	5.00	6477.84	23051.94
5323.00	7008.58					

Required Volume = 17143 cu ft
 Required Volume Elevation = 5322.09 ft
 Berm Elevation = 5323.00
 Spillway Elevation = 5322.50

