

CITY OF ALBUQUERQUE



August 13, 2015

Steve Metro, P.E.
Metro Development Inc.
8860 Desert Finch Ln. NE
Albuquerque, New Mexico 87122

**RE: Lot 5 Block 3 Unit 19 Volcano Cliffs
6508 Vista Del Prado NW
Grading and Drainage Plan
Engineers Stamp Date 8/5/15 (D10D003U5)**

Dear Mr. Metro,

Based upon the information provided in your submittal received 8/5/2015, this plan is approved for Grading Permit and Building Permit.

Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

PO Box 1293

Albuquerque

If you have any questions, please contact me at 924-3999 or Rudy Rael at 924-3977.

New Mexico 87103

www.cabq.gov

Sincerely,

Shahab Biazar, P.E.
City Engineer, Albuquerque
Planning Department

RR/SB
C: File



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09 2015)

Project Title: 6508 Vista del Prado, NW Building Permit #: _____ City Drainage #: _____

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

Legal Description: Lot 5, Block 3, Unit 19 Volcano Cliffs Subdivision

City Address: 6508 Vista del Prado, NW

Engineering Firm: Metro Development, Inc. Contact: Steve Metro

Address: 8860 Desert Foothills NE, APO, NM 87122

Phone#: 505-280-4553 Fax#: _____ E-mail: metro.metrodevelopment@aol.com

Owner: ABRAZO Homes Contact: Mackenzie Bishop

Address: PO Box 65808, APO, NM

Phone#: 505-269-0915 Fax#: _____ E-mail: mackenzie@abrazohomes.com

Architect: _____ Contact: _____

Address: _____

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

Other Contact: _____ Contact: _____

Address: _____

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

Check all that Apply:

DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY

TYPE OF SUBMITTAL:

☐ ENGINEER/ ARCHITECT CERTIFICATION

☐ CONCEPTUAL G & D PLAN

☐ GRADING PLAN

☐ DRAINAGE MASTER PLAN

☐ DRAINAGE REPORT

☐ CLOMR/LOMR

☐ TRAFFIC CIRCULATION LAYOUT (TCL)

☐ TRAFFIC IMPACT STUDY (TIS)

☐ EROSION & SEDIMENT CONTROL PLAN (ESC)

☒ OTHER (SPECIFY) AS BUILT PLAN + CERT

☐ 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

☐ PRE-DESIGN MEETING

☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☐ Yes ☒ No

DATE SUBMITTED: 12-23-15 By: Steve Metro

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED _____

LOT 5, BLOCK 3 UNIT 19 VOLCANO CLIFFS SUBDIVISION

6508 Vista del Prado, NW Grading & Drainage Certification

By Steven J. Metro, PE and PS

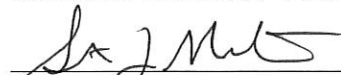
August 28, 2015

**DRAINAGE CERTIFICATION WITH VERIFICATION BY ENGINEER OF RECORD
8-28-2015
DRAINAGE CERTIFICATION**

I, Steven J. Metro, NMPE 8220, OF THE FIRM Metro Development, Inc., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 8-5-2015. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AS SUPPLEMENTAL DATA TO THE ORIGINAL TOPOGRAPHIC SURVEY PREPARED BY Steven J. Metro, NMPS 10025, OF THE FIRM Metro Development, Inc., AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR Certificate of Occupancy at 6508 Vista del Prado, NW.

THIS CERTIFICATION IS FOR THE PAD ELEVATION AND COMPACTION.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

 8-28-15
Steven J. Metro, NMPE 8220 and NMPS 10025





City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: 6508 Vista del Prado NW G+0 Building Permit #: _____ City Drainage #: _____
 DRB#: _____ EPC#: _____ Work Order#: _____
 Legal Description: Lot 5, Block 3, Unit 19, Volcano Cliffs Subdivision
 City Address: 6508 Vista del Prado, NW, Albuquerque, NM 8
 Engineering Firm: Metro Development, Inc. Contact: Steve Metro
 Address: 8860 Desert Finch Ln NE, ABO, NM 87122
 Phone#: 505-280-4553 Fax#: 505-348-4055 E-mail: steve.metro@wilsonco.com
 Owner: Abramo Homes Contact: Mackenzie Bishop
 Address: PO Box 65808, ABO NM
 Phone#: 505-269-0915 Fax#: _____ E-mail: mackenzie@abrahamhomes.com
 Architect: _____ Contact: _____
 Address: _____
 Phone#: _____ Fax#: _____ E-mail: _____
 Surveyor: Metro Development, Inc. Contact: Steve Metro
 Address: 8860 Desert Finch Ln NE, ABO, NM 87122
 Phone#: _____ Fax#: _____ E-mail: steve.metro@wilsonco.com
 Contractor: Guyman Construction Solutions LLC Contact: Rudy Guyman
 Address: 6020 Industry Way, ABO NM 87105
 Phone#: 505-452-0663 Fax#: 505-452-0664 E-mail: rudy@guymanco.com

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: 8-5-15

By: Steve Metro 8-5-15

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

LOT 5, BLOCK 3, UNIT 19 VOLCANO CLIFFS SUBDIVISION

6508 Vista del Prado, NW Grading & Drainage Certification

By Steven J. Metro, PE and PS

December 22, 2015

DRAINAGE CERTIFICATION WITH VERIFICATION BY ENGINEER OF RECORD
12-22-2015
DRAINAGE CERTIFICATION

I, Steven J. Metro, NMPE 8220, OF THE FIRM Metro Development, Inc., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 8-5-2015. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AS SUPPLEMENTAL DATA TO THE ORIGINAL TOPOGRAPHIC SURVEY PREPARED BY Steven J. Metro, NMPS 10025, OF THE FIRM Metro Development, Inc., AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR Certificate of Occupancy at 6508 Vista del Prado, NW.

THIS CERTIFICATION IS FOR THE CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Steven J. Metro 12-22-15
Steven J. Metro, NMPE 8220 and NMPS 10025



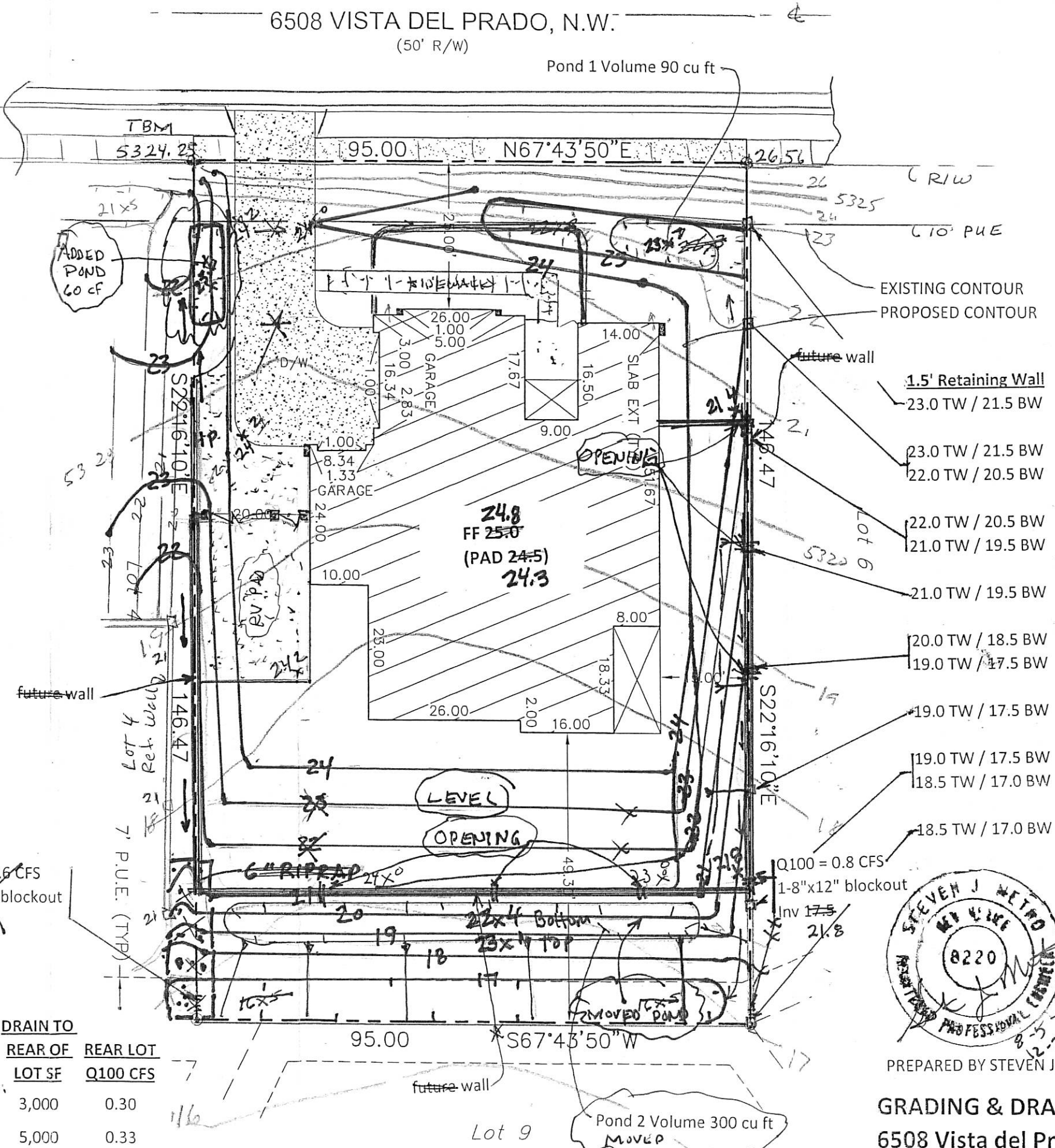
Q100 = 1.6 CFS
2-8"x12" blockout
Inv 17.5

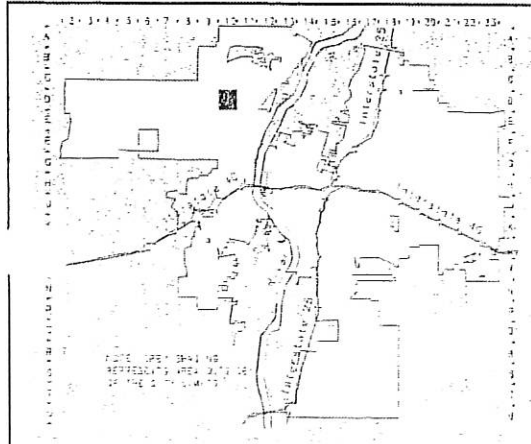
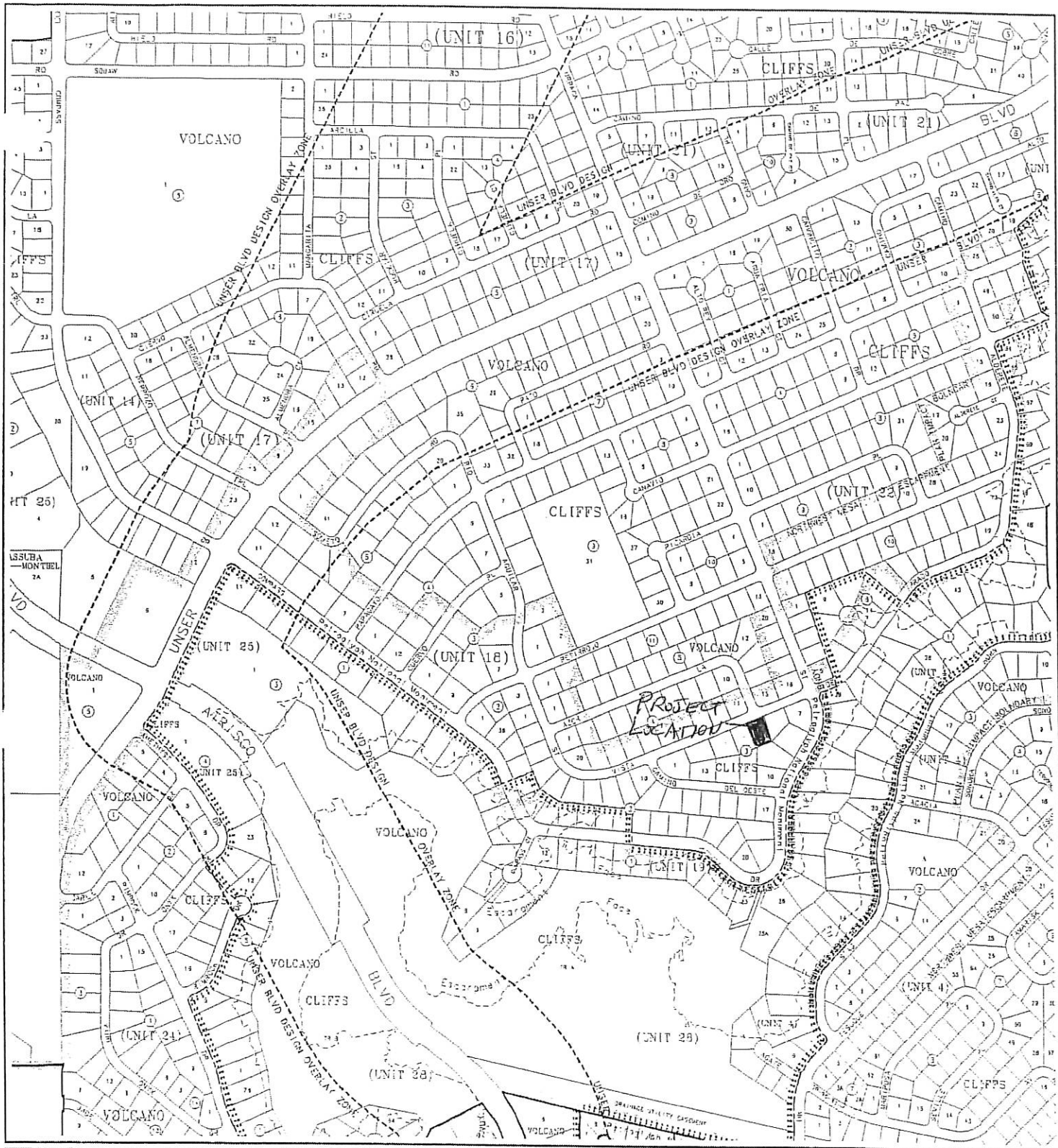


PREPARED BY STEVEN J. METRO, PE AND PS

GRADING & DRAINAGE PLAN
6508 Vista del Prado, NW
LOT 5, BLOCK 3, UNIT 19 VCS

LOT 5, BLOCK 3, UNIT 19 VCS	AREA LOT SF	%	SAD 228 DMP %	Q100 CFS / ACRE ZONE 1	TOTAL PROP Q100 CFS	SAD 228 DMP Q100 CFS	DRAIN TO REAR OF LOT SF	REAR LOT Q100 CFS
TYPE D	5,250	38%	50	4.37	0.53	0.70	3,000	0.30
TYPE C	7,300	52%	40	2.87	0.48	0.37	5,000	0.33
TYPE B	1,400	10%	10	2.03	0.07	0.07	700	0.03
	13950	100%	100		1.07	1.13	8,700	0.66



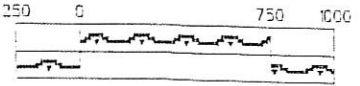


CITY OF
Albuquerque

A **G** **I** **S**
ALBUQUERQUE
PLANNING DEPARTMENT

Copyright 2003

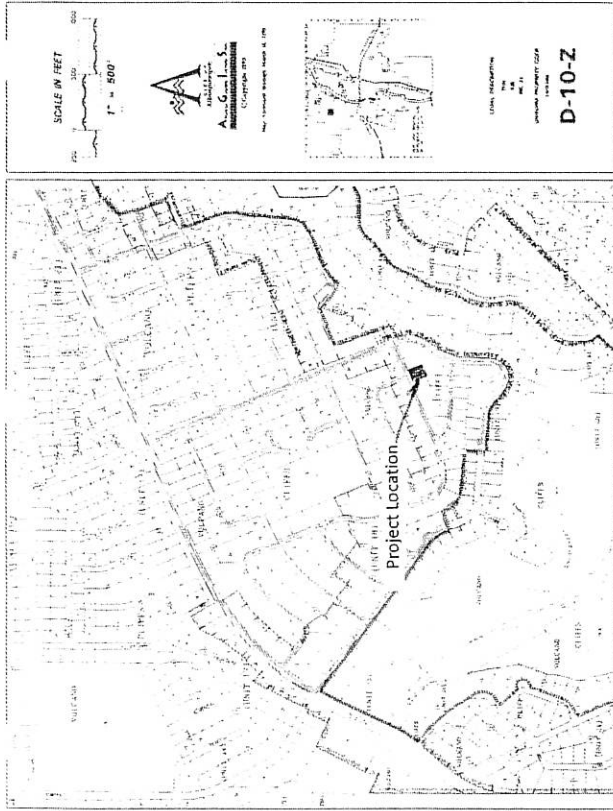
GRAPHIC SCALE IN FEET



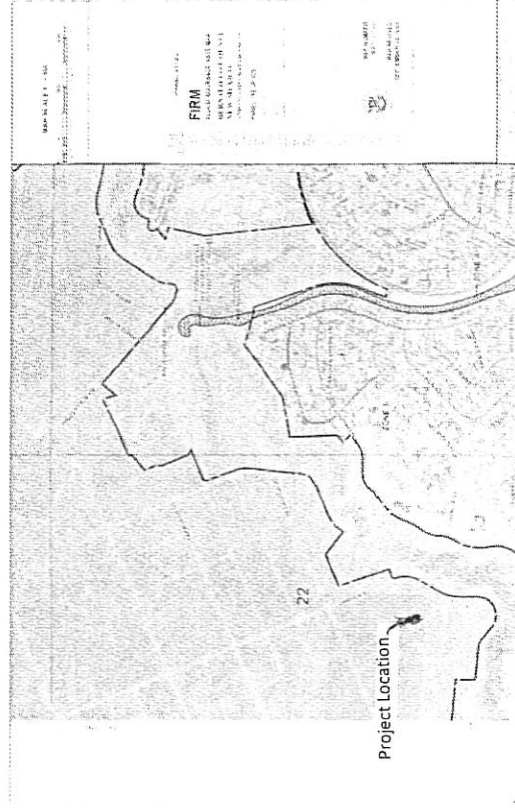
Zone Atlas Page

D-10-Z

Map Amended through January 21, 2003



VICINITY MAP



FEMA MAP

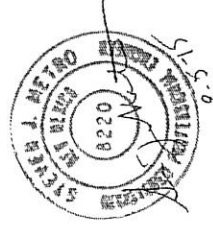
Narrative

Grading and Drainage Plan for the construction of the building pad for Lot 5, Block 3, Unit 19, Volcano Cliff S Subdivision, being a part of SAD 228.

Address: 6508 Vista del Prado NE, Albuquerque, NM
 Purpose of this Plan is to establish the first floor elevation, house layout, lot drainage including offsite flows.

First Flush per EPA Standards

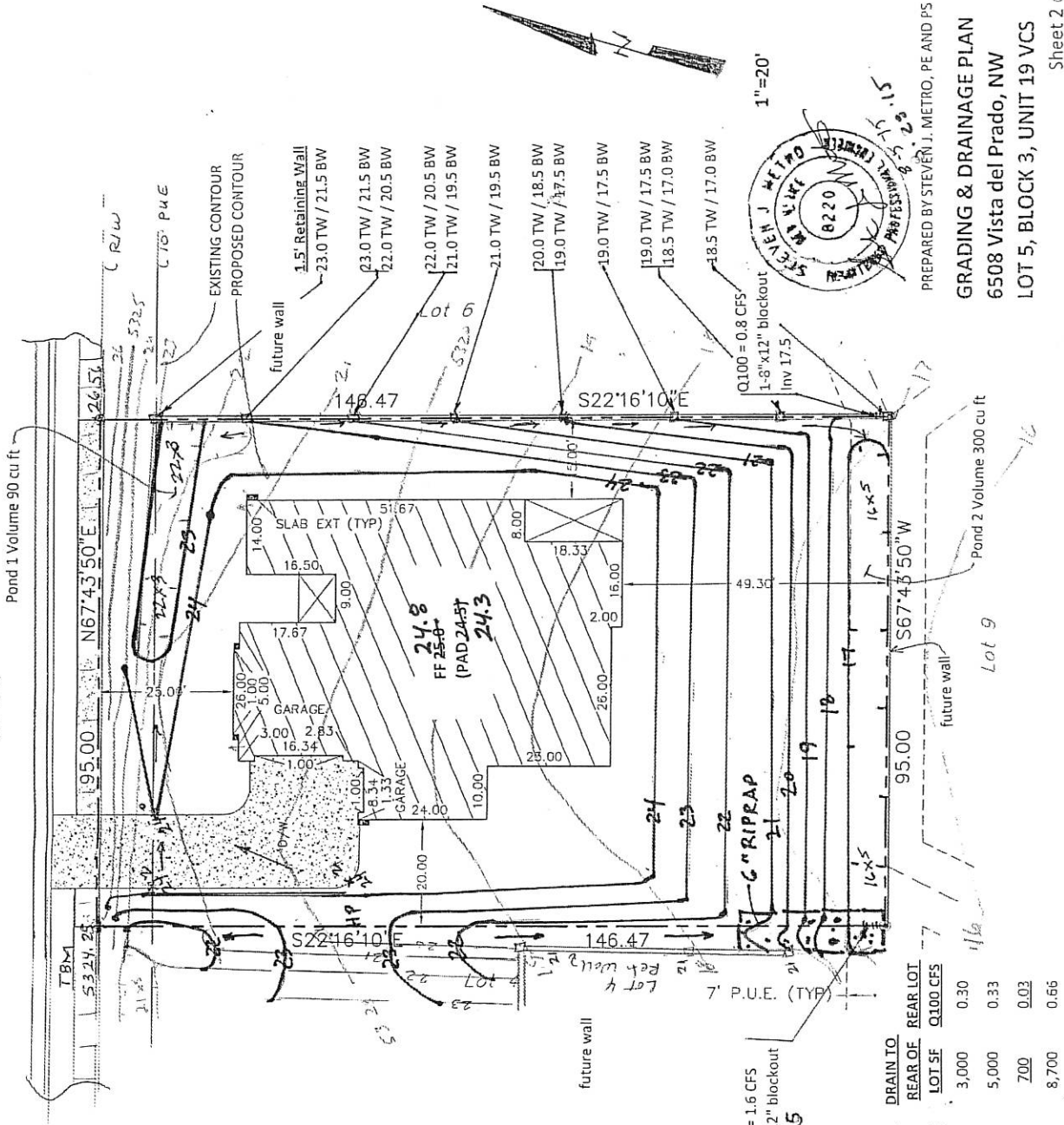
The Initial First Flush to be managed is 0.44" less 0.10" initial impervious abstraction = 0.34" or 370 cubic feet. The initial storage on site will be collected and held in the two landscape ponds near the street as shown on the Plan.



Development, Inc.
 8860 Desert Finch Ln NE
 Albuquerque, NM 87122
 (505) 280-4553

GRADING AND DRAINAGE PLAN
 LOT 5, BLOCK 3, UNIT 19, VCS
 ADDRESS: 6508 Vista del Prado NW

6508 VISTA DEL PRADO, N.W.
(50' R/W)



PREPARED BY STEVEN J. METRO, PE AND PS

GRADING & DRAINAGE PLAN
6508 Vista del Prado, NW
LOT 5, BLOCK 3, UNIT 19 VCS

Sheet 2 of 2

AS BUILT 8-28-15

LOT 5, BLOCK 3, UNIT 19 VCS	AREA LOT SF	%	SAD 228 DMP %	Q100 CFS / ACRE ZONE 1	TOTAL PROP. Q100 CFS	DRAIN TO		REAR LOT Q100 CFS
						LOT SF	REAR OF	
TYPE D	5,250	38%	50	4.37	0.53	3,000	0.30	0.30
TYPE C	7,300	52%	40	2.87	0.48	5,000	0.33	0.33
TYPE B	1,400	10%	10	2.03	0.07	700	0.03	0.03
	13,950	100%	100		1.07	8,700	0.66	

Q100 = 1.6 CFS
2-8"x12" blockout
Inv 17.5

6" RIPRAP

Q100 = 0.8 CFS
1-8"x12" blockout
Inv 17.5

Pond 2 Volume 300 cu ft

Pond 1 Volume 90 cu ft



FIELD DENSITY TESTS
TROXLER 3400 SERIES
MOISTURE-DENSITY GAUGE

JOB NO: 6508 Vista del Prado NW G&D
PROJECT: SAD 228
CLIENT: ABRAZO
CONTRACTOR: GUZMAN

DATE: 28August15
TESTED BY: WJL
METER NO: 19640
SHEET 1 OF 1

TEST NUMBER						REMARKS
% COMPACTION REQUIRED	95.0					Proctor = 125.4/9.0
% MOISTURE REQUIRED	9.0					
DENSITY STUDY COUNT	706					
MOISTURE COUNT	92					
MOISTURE	6.8					
% MOISTURE	5.7					
WET DENSITY	126.8					
DRY DENSITY	121.0					
% DRY DENSITY	96.2					
% VOIDS						
% ASPHALT DENSITY						
	LOCATION Lot 5, Block 3, Unit 19 6508 Vista del Prado					

CITY OF ALBUQUERQUE

Planning Department

Suzanne Lubar, Director



Mayor Richard L. Berry

December 30, 2015

Steve Metro, P.E.
Metro Development Inc.
8860 Desert Finch Ln. NE
Albuquerque, New Mexico 87122

**RE: Lot 5 Block 3 Unit 19 Volcano Cliffs Subd.
6508 Del Prado NW
Request for Permanent C.O. - Accepted
Engineers Stamp Date 8/5/15 (D10D003U5)
Certification Dated: 12/22/15**

Dear Mr. Metro,

Based on the Certification received 12/23/2015, the above mentioned residence is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

Albuquerque

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

New Mexico 87103

Sincerely,

www.cabq.gov

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

RR/RH
C: File