



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Grading & Drainage Plan Block 11, Unit 5 VCS Building Permit #: _____ City Drainage #: _____
 DRB#: _____ EPC#: _____ Work Order#: _____
 Legal Description: Block 11, Unit 5 Volcano Cliff Subdivision
 City Address: 8023 / 8019 Marigold Dr NW; 6301 to 6319 Casa Blanca Dr. NW; 7900 to 8024 Emerald Dr NW
 Engineering Firm: Metro Development Inc. Contact: Steve Metro
 Address: 8860 Desert Finch Ln NE
 Phone#: 505-280-4553 Fax#: 505-348-4055 E-mail: Steve.Metro@wilson.com
 Owner: Brandon McCutcheon Contact: Brandon McCutcheon
 Address: 4100 Menard NE
 Phone#: 505-934-2021 Fax#: _____ E-mail: brandon@richardsonrichardson.com
 Architect: N/A Contact: _____
 Address: _____
 Phone#: _____ Fax#: _____ E-mail: _____
 Surveyor: NA Contact: _____
 Address: _____
 Phone#: _____ Fax#: _____ E-mail: _____
 Contractor: NA 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:

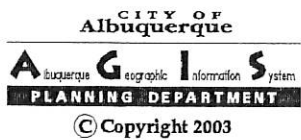
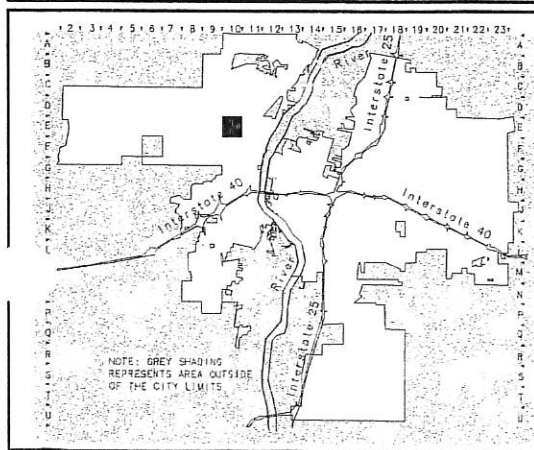
- ☐ SIA/FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D APPROVAL
☐ S. DEV. FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ CERTIFICATE OF OCCUPANCY (PERM)
☐ CERTIFICATE OF OCCUPANCY (TCL TEMP)
☐ FOUNDATION PERMIT APPROVAL
☐ BUILDING PERMIT APPROVAL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

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

DATE SUBMITTED: 9.15.15 By: Steve J. Metro PEAL PS

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:

- Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
- Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres
- Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
- 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

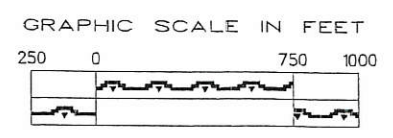
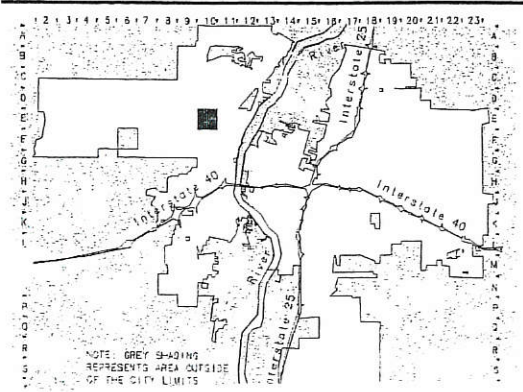


Map Amended through January 21, 2003



Narrative

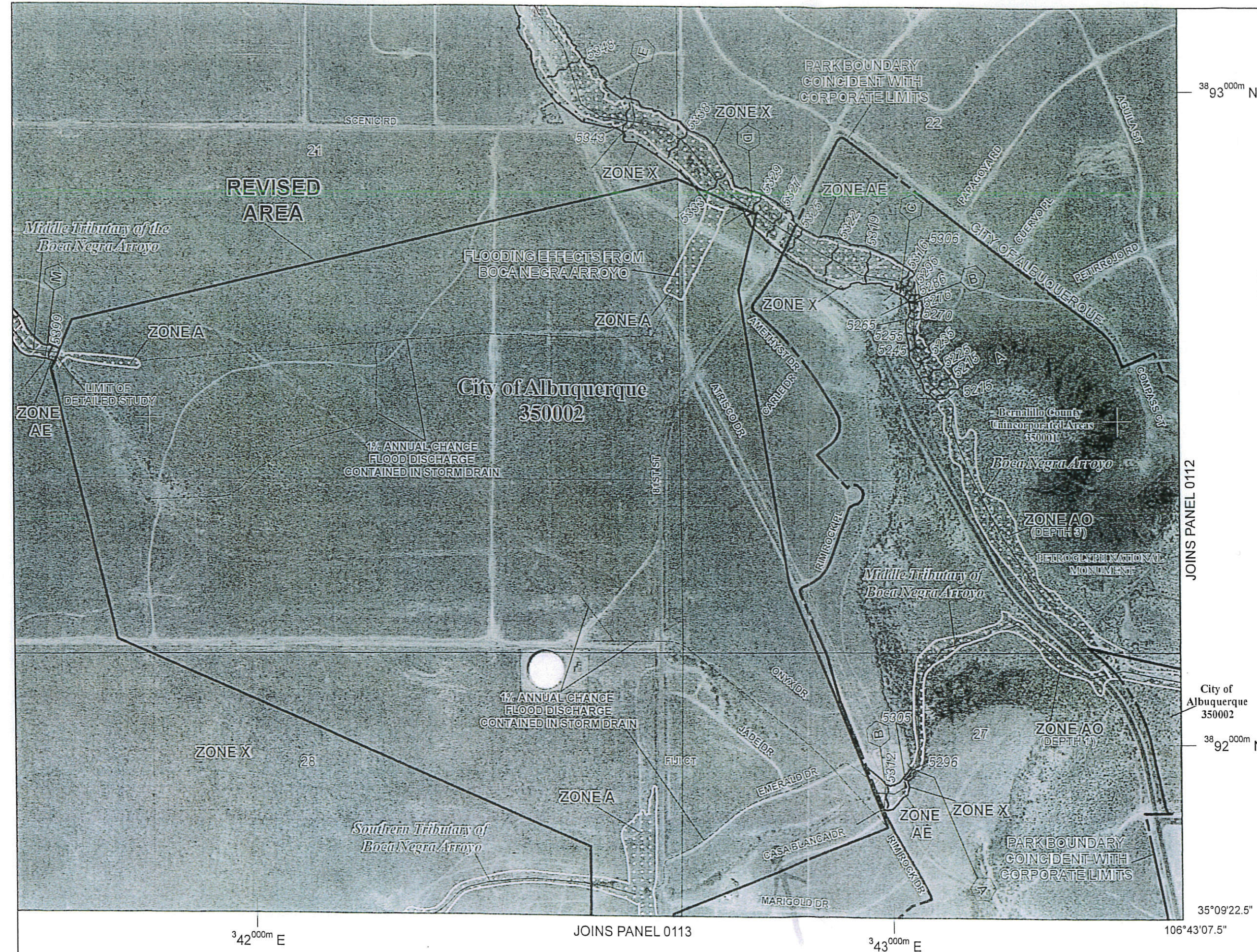
Grading and Drainage (G&D) Plan for the construction of rear lot drainage for the old Middle Tributary of the Boca Negra Arroyo located in Block 11, Unit 5 of the Volcano Cliffs Subdivision. This segment of the Middle Tributary of the Boca Negra Arroyo was relocated to a 72-inch storm drain in Emerald Drive, NW and the only drainage to this basin are the rear lots of the 17 lots shown on Plate 1. This realignment of this Arroyo was constructed with Special Assessment District (SAD) 227 in 2004 / 2005. The Letter of Map Revision (LOMR) to remove this segment of the Arroyo from the FEMA Flood Map Panel 111 of 825 was effective March 25, 2010, see Figure 2. Addresses: 8023 and 8019 Marigold Drive, NW; 6301, 6305, 6309, 6315 and 6319 Casa Blanca Drive, NW; 7900, 7908, 8000, 8004, 8008, 8012, 8016, 8020 and 8024 Emerald Drive, NW. The purpose of this G&D Plan is to establish the 100-year flows and size the openings in the garden walls to pass the flows. The G&D Plan is included on Plate 1.



Zone Atlas Page
E-10-Z

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

GRADING AND DRAINAGE PLAN
LOTS 12-19, BLOCK 11, UNIT 5, VCS
ADDRESS: See Narrative Above



Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- 0.2% annual chance (500-Year) Floodplain

MAP SCALE 1" = 500'

250 0 500 FEET

150 0 150 METERS

PANEL 0111G

FIRM

FLOOD INSURANCE RATE MAP

BERNALILLO COUNTY, NEW MEXICO

AND INCORPORATED AREAS

PANEL 111 OF 825

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BERNALILLO COUNTY	350001	0111	G
ALBUQUERQUE, CITY OF	350002	0111	G

REVISED TO REFLECT LOMR

EFFECTIVE: March 25, 2010

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER 35001C0111G

MAP REVISED SEPTEMBER 26, 2008

Federal Emergency Management Agency



Q100 = 399 CFS

100' PNM
ESMT

BLOCK 1, UNIT 5 VCS	REAR AREA		%	Q100 CFS	
	LOT SF	ACRE		ZONE 1	ACRE
TYPE D	17,520	40%	4.37	1.76	
TYPE C	21,680	50%	2.87	1.43	
TYPE B	4,360	10%	2.03	0.20	
	43,560	100%			



PREPARED BY STEVEN J. METRO, PE AND PS
Capacity Block Wall Openings
Orifice $EQ = C \cdot A \cdot (2gh)^{1/2}$
 $C = 0.6$; $A =$ area 0.67 sf / blockout; $h =$ height of head use 1.0 ft.
Q / blockout = 3.2 CFS - USE 2.0 CFS / blockout for blockage

GRADING & DRAINAGE PLAN
Middle Boca Negra Arroyo
Realignment to Emerald Dr NW
with SAD 227 - Rear Lot Drainage
Block 11, Unit 5, VCS

