

CITY OF ALBUQUERQUE

Planning Department

Suzanne Lubar, Director



November 23, 2015

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

**RE: Lot 18 Block 6 Unit 22 Volcano Cliffs Subd.
8004 Camino Alto Ct. NW
Request for Permanent C.O. - Accepted
Engineers Stamp Date 7/15/15 (D10D003B18)
Certification Dated: 11/18/15**

Dear Mr. Metro,

Based on the Certification received 11/20/2015, 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

LOT 18, BLOCK 6, UNIT 22 VOLCANO CLIFFS SUBDIVISION

8004 Camino Alto Court, NW Grading & Drainage Certification

By Steven J. Metro, PE and PS

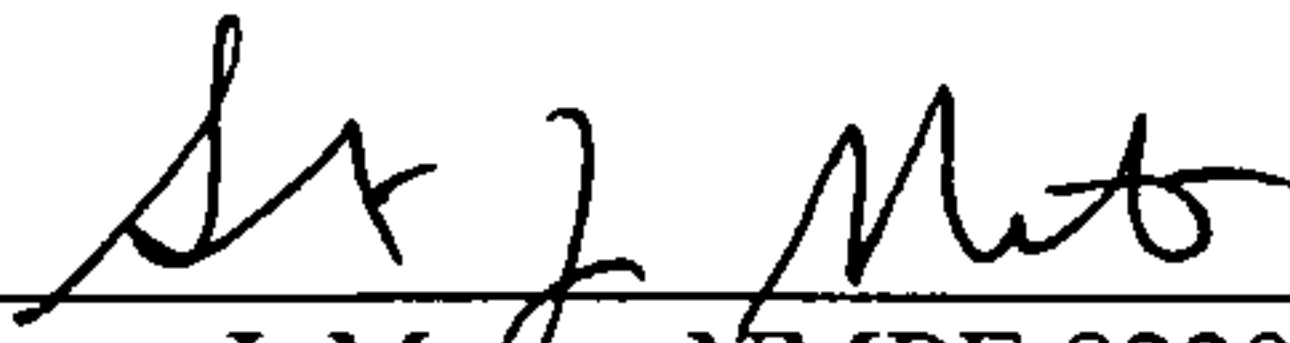
November 18, 2015

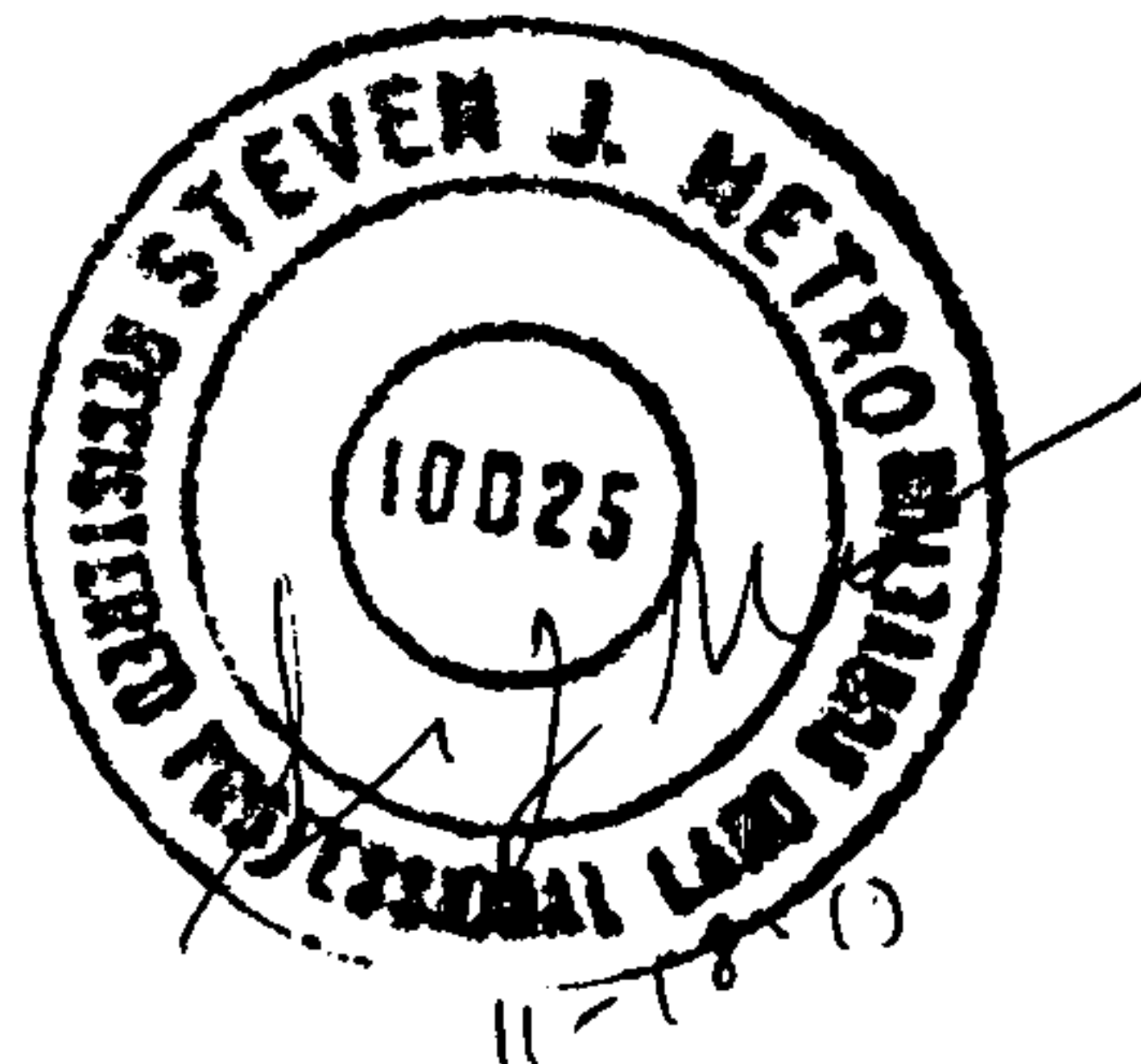
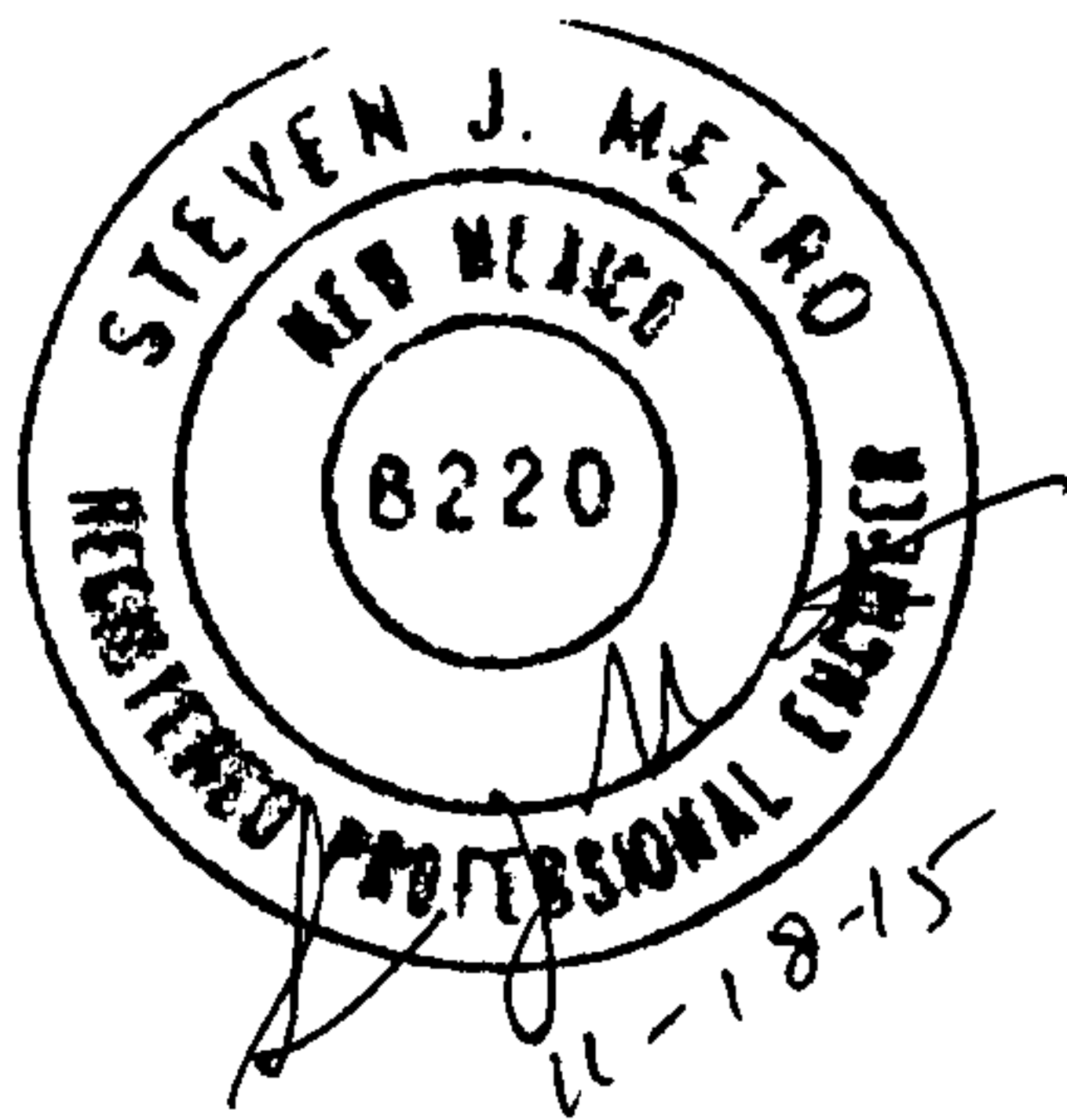
DRAINAGE CERTIFICATION WITH VERIFICATION BY ENGINEER OF RECORD
11-18-2015
DRAINAGE CERTIFICATION

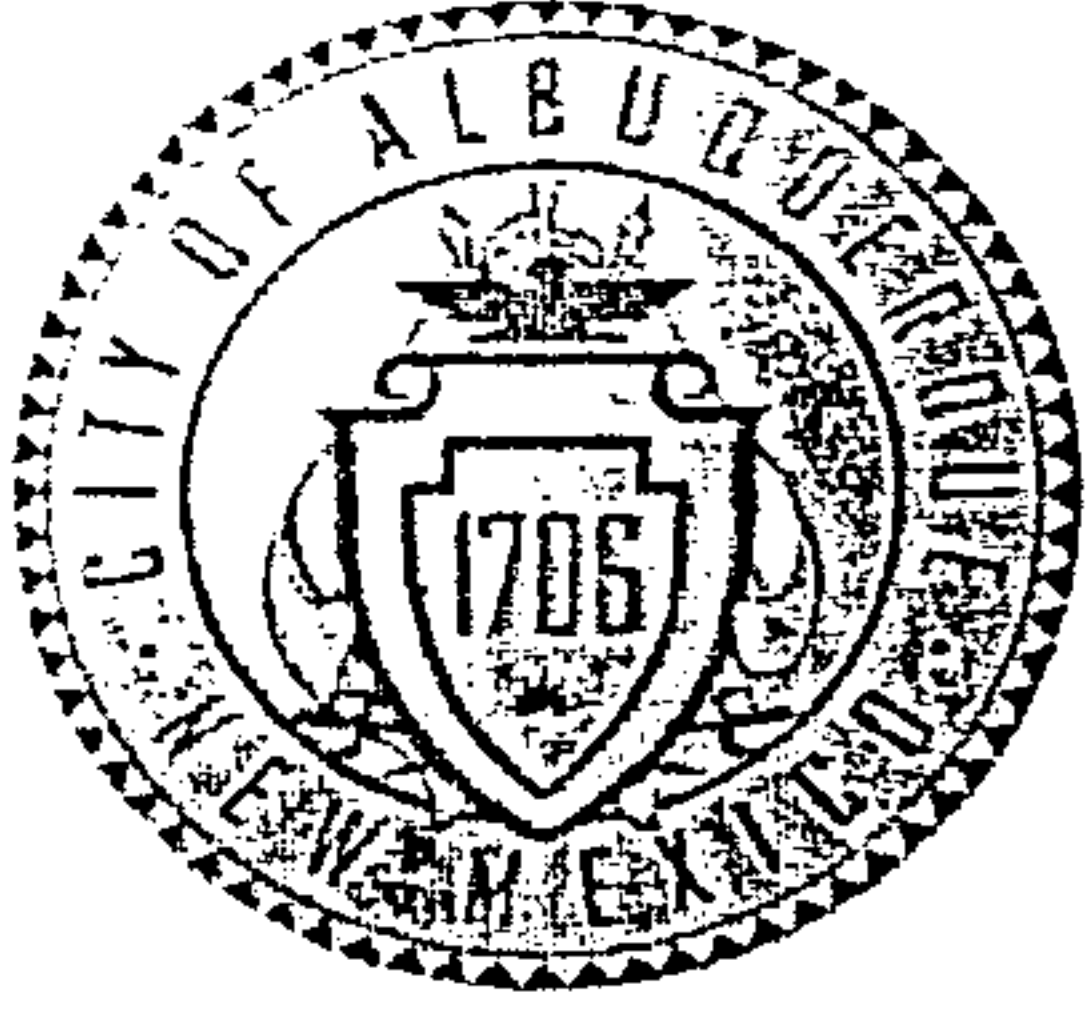
I, Steven J. Metro, NMPE 8220, OF THE FIRM Metro Development, Inc., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 5-21-2015. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT 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 8004 Camino Alto Court, 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.

 11-18-15
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: 8004 Camino Alto Ct NW Building Permit #: _____ City Drainage #: _____
 DRB#: _____ EPC#: _____ Work Order#: _____
 Legal Description: Lot 18, Block 6, Unit 22 Volcano Cliffs Subdivision
 City Address: 8004 Camino Alto Ct. NW, ABO, NM
 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.nm
 Owner: Abramo Homes Contact: Mac Kenzie Bishop
 Address: PO Box 65808
 Phone#: 505-269-0915 Fax#: _____ E-mail: mackenzie@abrahamhomes.com
 Architect: NA 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.nm
 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)
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☒ BUILDING PERMIT APPROVAL
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☐ 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 ProvidedDATE SUBMITTED: 5-1-15By: Steven J. Metro

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
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LOT 18, BLOCK 6, UNIT 22 VOLCANO CLIFFS SUBDIVISION

8004 Camino Alto Court, NW Grading & Drainage Certification

By Steven J. Metro, PE and PS

June 5, 2015 11-2-15

DRAINAGE CERTIFICATION WITH VERIFICATION BY ENGINEER OF RECORD

6-5-2015 11-2-15

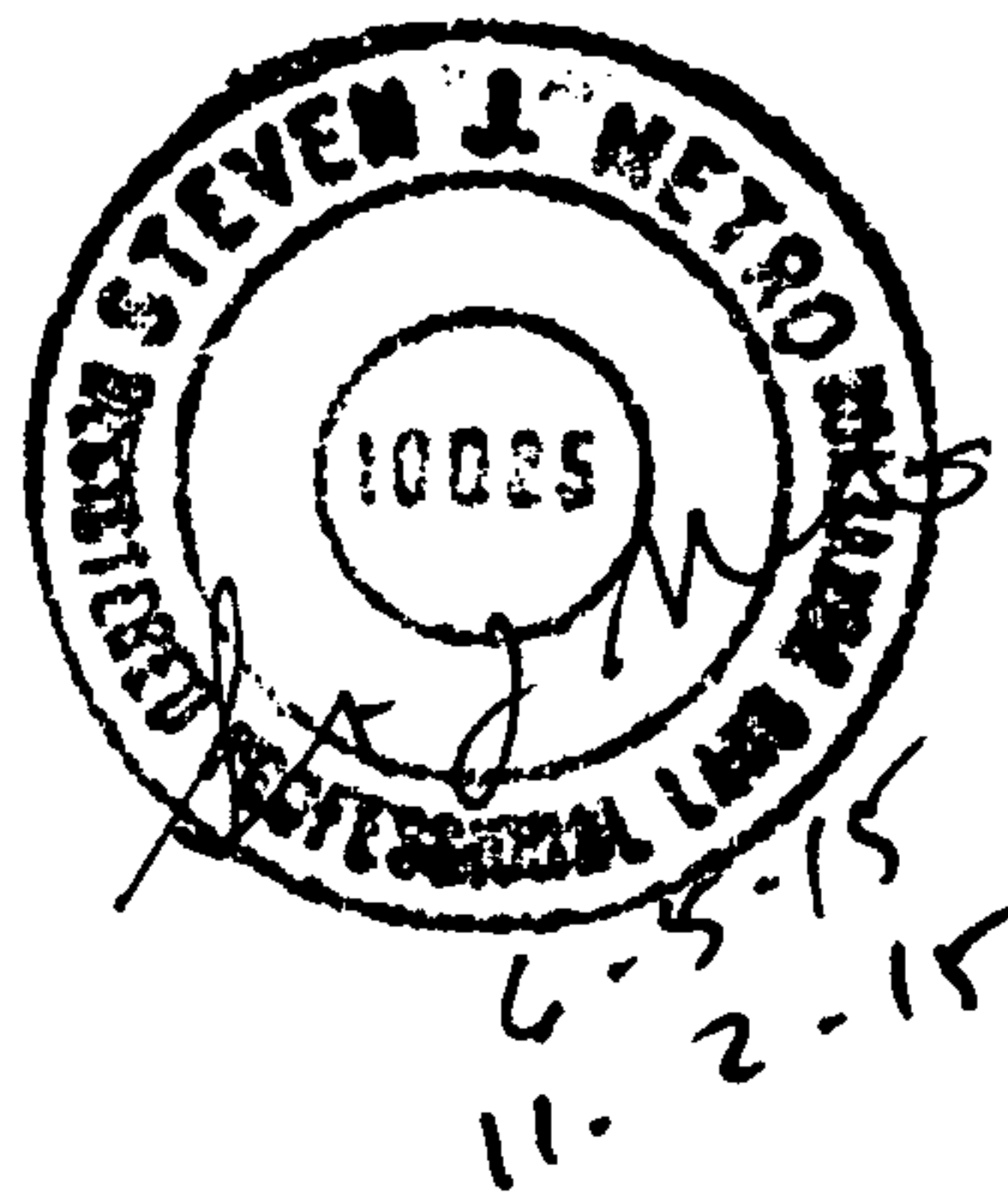
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THIS CERTIFICATION IS FOR THE PAD ELEVATION AND COMPACTION.

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.

 6-5-15 11-2-15-
Steven J. Metro, NMPE 8220 and NMPS 10025



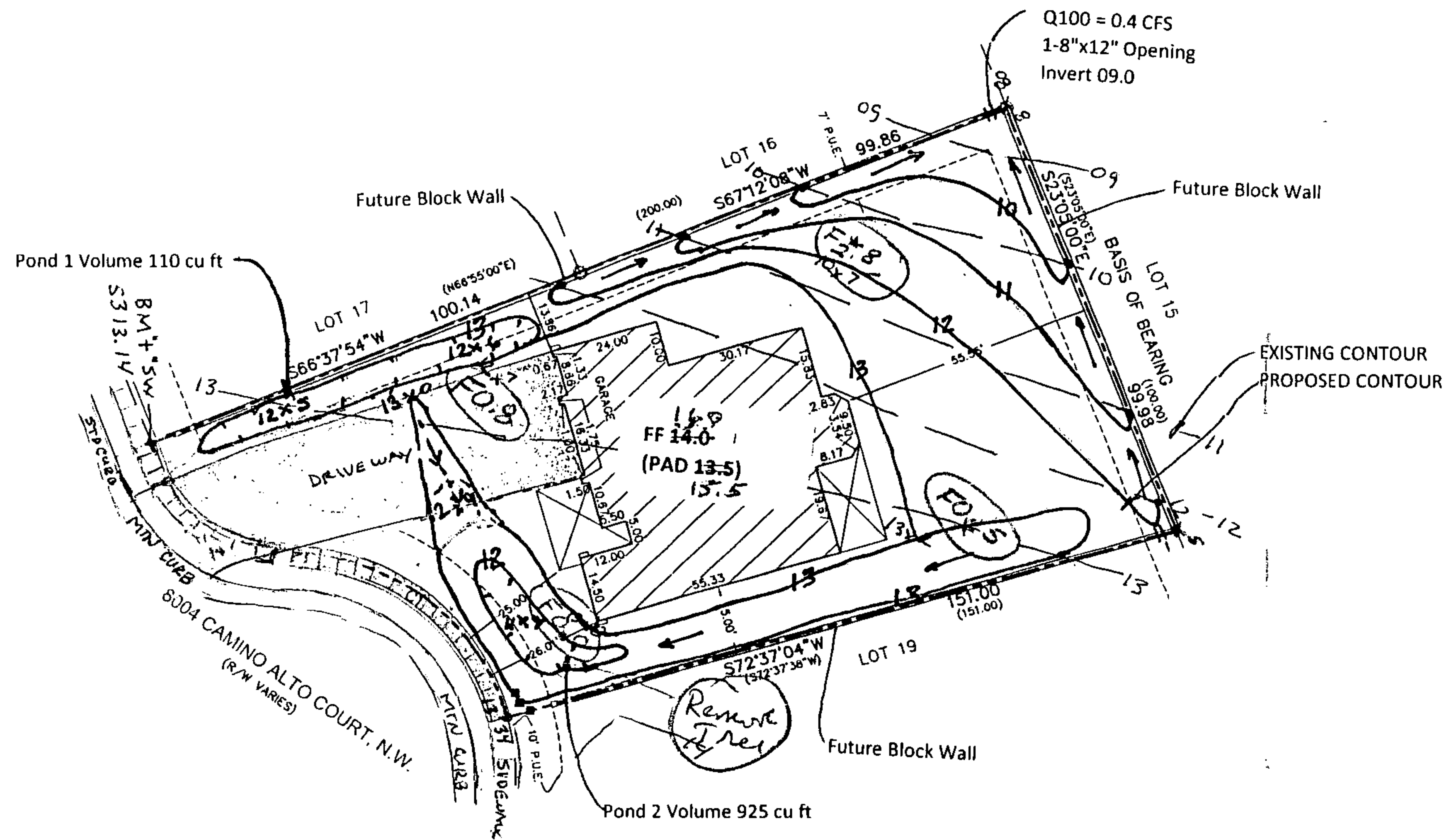


FIELD DENSITY TESTS
SEAMAN 7500 SERIES
MOISTURE-DENSITY GAUGE

JOB NO: 1410007100
PROJECT: SAD 228 LOT DEVELOPMENT
CLIENT: STEVE METRO
CONTRACTOR: GUZMAN CONSTRUCTION

DATE: 2-Jul-15
TESTED BY: Timothy Sanchez
METER NO: 7541

TEST NUMBER	1	2				REMARKS
% COMPACTION REQUIRED	95					
% MOISTURE REQUIRED	9.0					
DENSITY STUDY COUNT	127.1					
MOISTURE COUNT	93					
MOISTURE	9.8					
% MOISTURE	7.2					
WET DENSITY	132.4					
DRY DENSITY	121.0					
% DRY DENSITY	96.5					
% VOIDS						
% ASPHALT DENSITY						
LOCATION/ELEVATION	8004 CAMINO ALTO CT NW / FINISHED GRADE					



1"=30'

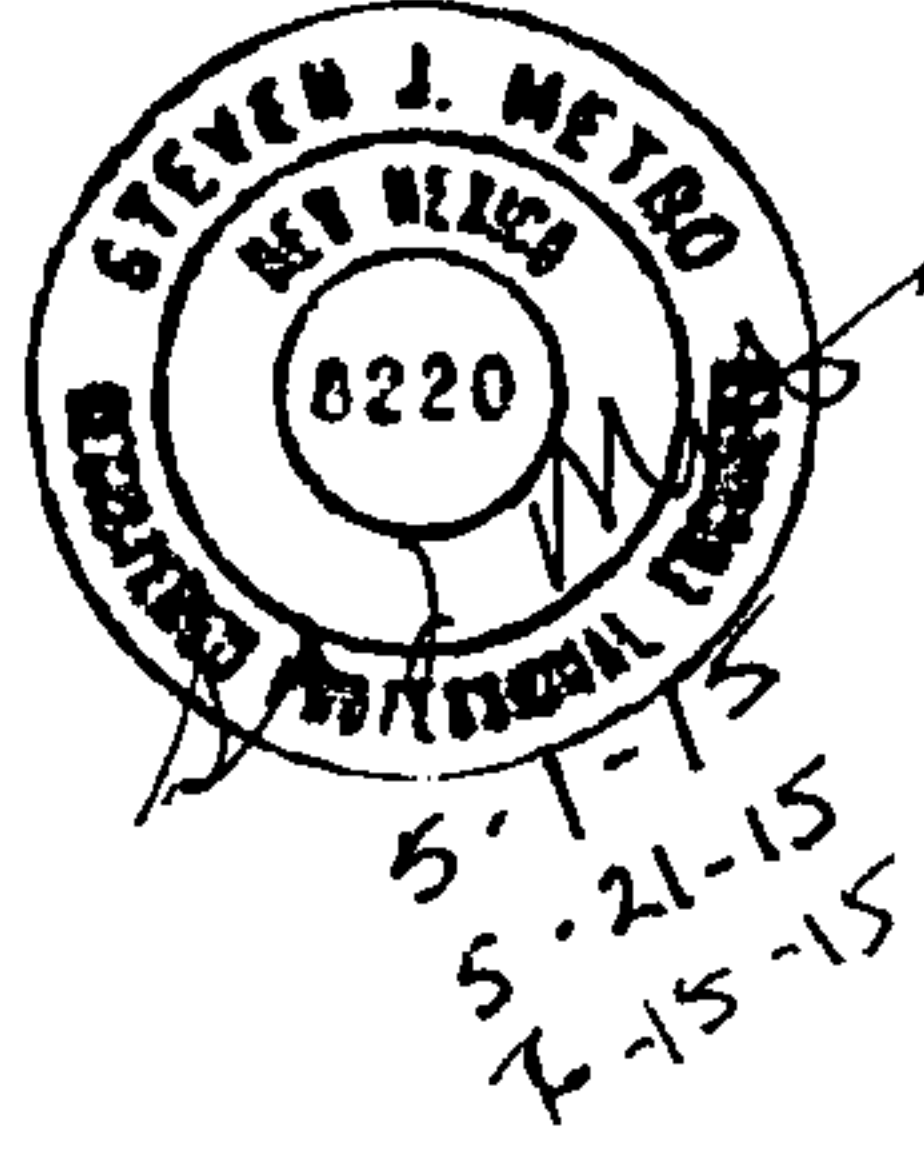
AS-BUILT SURVEY 7-15-15

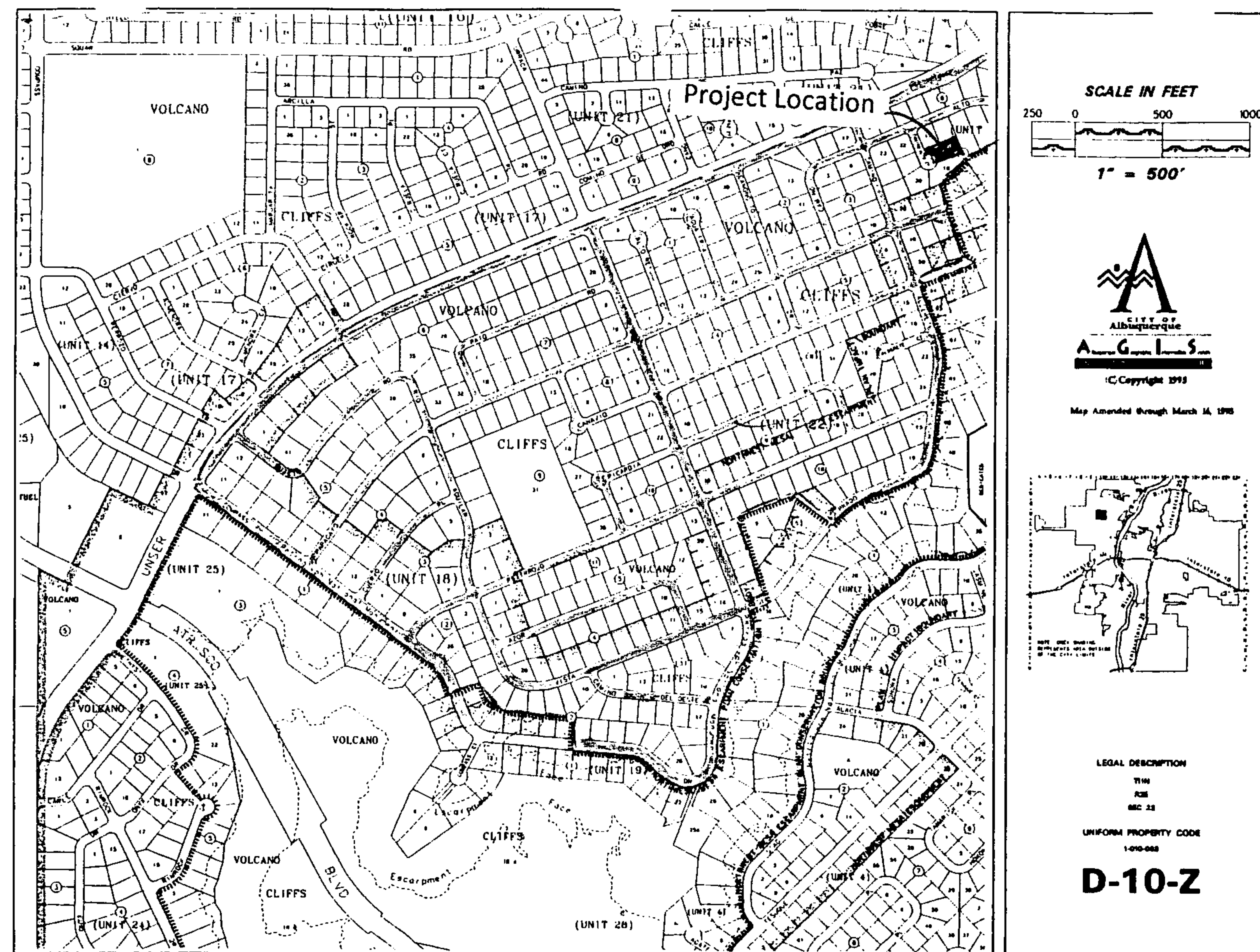
PREPARED BY STEVEN J. METRO, PE AND PS

GRADING & DRAINAGE PLAN
8004 Camino Alto Ct. NW
LOT 18, BLOCK 6, UNIT 22 VCS

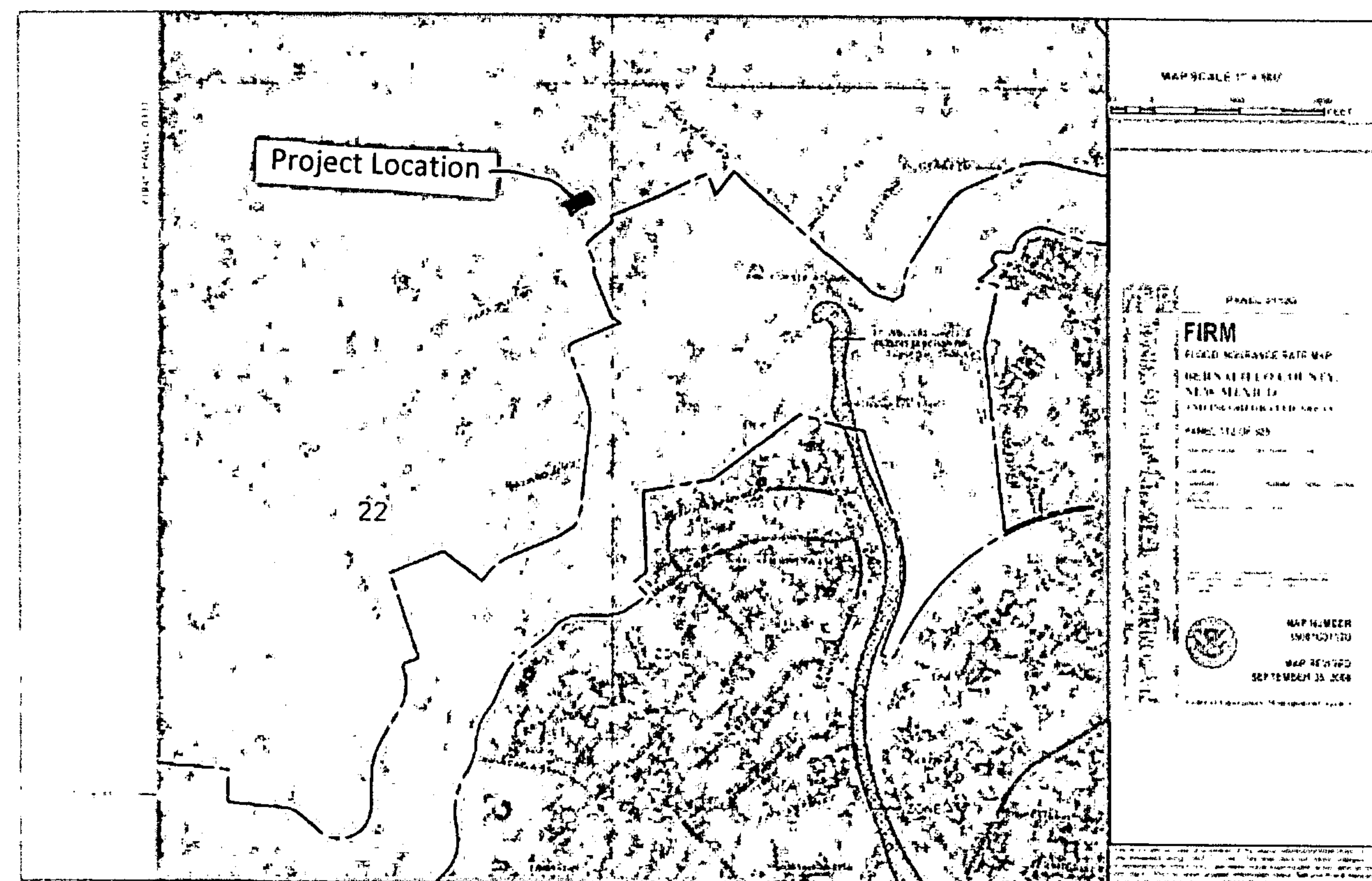
Sheet 2 of 2

LOT 18, BLOCK 6, UNIT 22 VCS	AREA LOT SF	%	SAD 228 DMP %	Q100 CFS	TOTAL	SAD 228	DRAIN TO REAR OF LOT SF	REAR LOT Q100 CFS
				/ ACRE ZONE 1	PROP Q100 CFS	DMP Q100 CFS		
TYPE D	5,600	35%	50	4.37	0.56	0.79	1,500	0.15
TYPE C	8,700	55%	40	2.87	0.57	0.42	3,000	0.20
TYPE B	1,540	10%	10	2.03	0.07	0.07	1,100	0.05
	15840	100%	100		1.21	1.29	5,600	0.40





VICINITY MAP



FEMA MAP

Narrative

Grading and Drainage Plan for the construction of the building pad for Lot 18, Block 6, Unit 22, Volcano Cliff S Subdivision, being a part of SAD 228.

Address: 8004 Camino Alto Ct NW, 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 450 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.

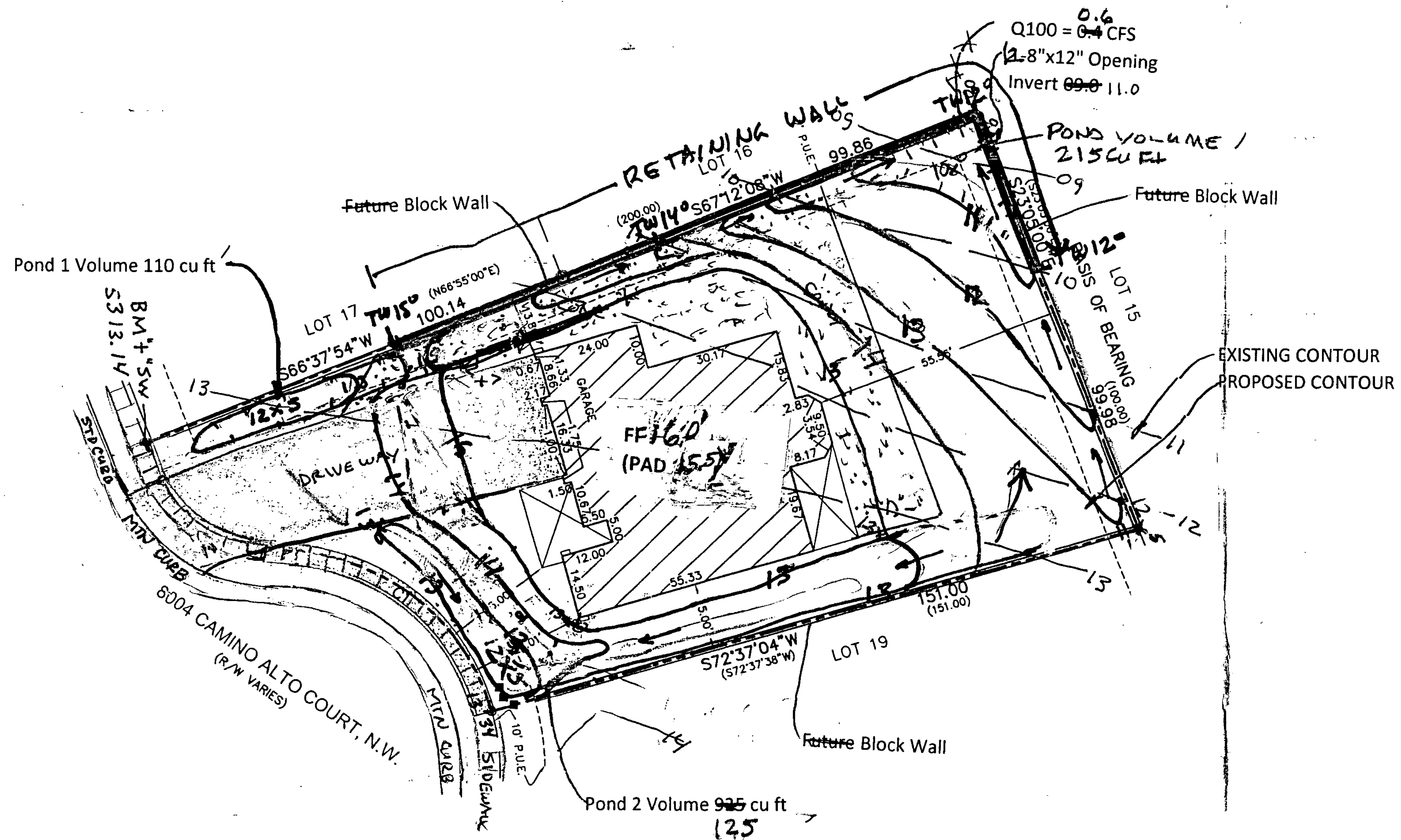


Development, Inc.
8860 Desert Finch Ln NE
Albuquerque, NM 87122
(505) 280-4553

GRADING AND DRAINAGE PLAN

LOT 18 , BLOCK 6 , UNIT 22 , VCS

ADDRESS: 8004 Camino Alto Ct NW



1"=30'

AS-BUILT SURVEY 7-15-15
11-2-15
11-18-15

PREPARED BY STEVEN J. METRO, PE AND PS

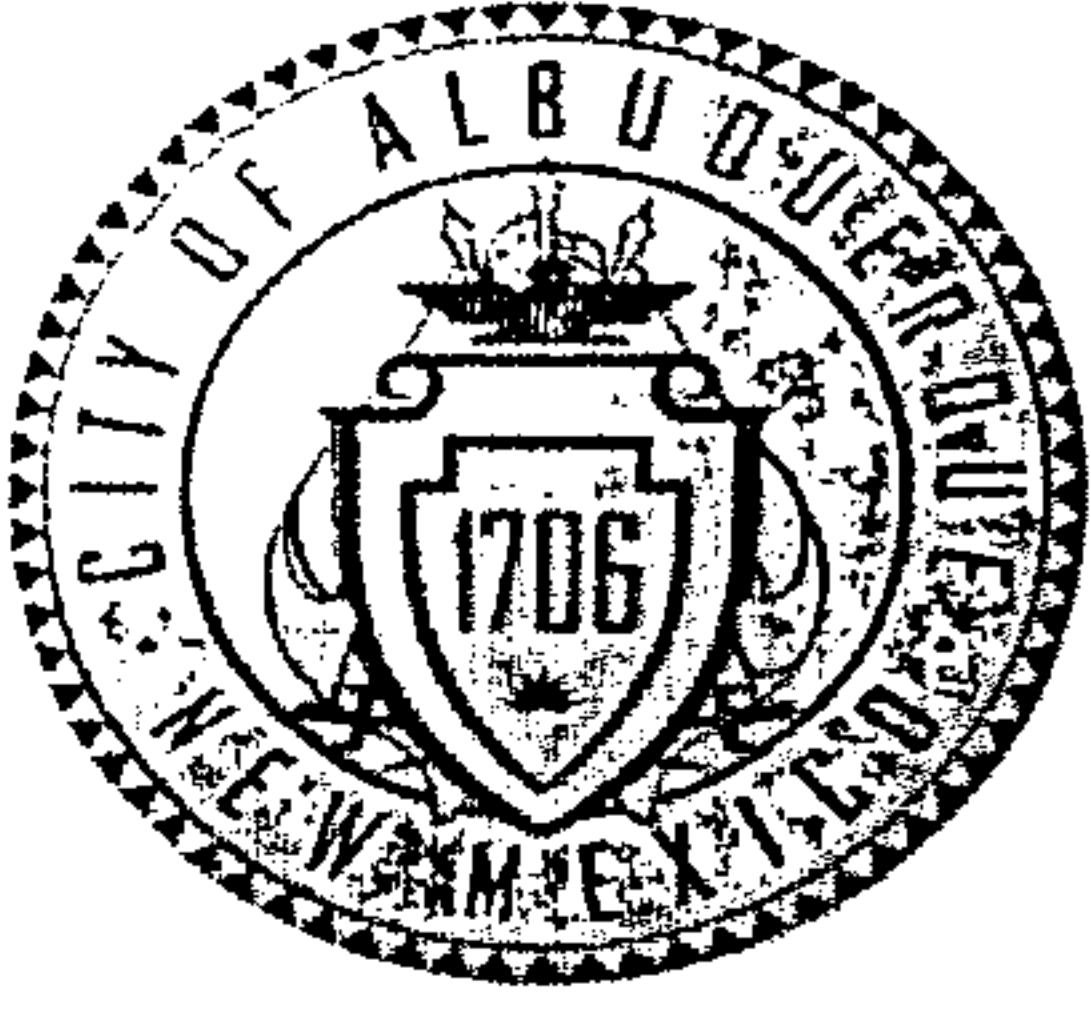
GRADING & DRAINAGE PLAN
8004 Camino Alto Ct. NW
LOT 18, BLOCK 6, UNIT 22 VCS

Sheet 2 of 2

LOT 18, BLOCK 6, UNIT 22 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
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5-1-15
5-21-15
7-15-15
11-2-15
11-18-15



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: 8004 Camino Alto Ct NW Building Permit #: _____ City Drainage #: D10D003B18

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

Legal Description: Lot 18, Block 6, Unit 22 Volcano Cliffs Subdivision

City Address: 8004 Camino Alto Ct. NW, ABO, NM

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.nm

Owner: Abramo Homes Contact: MacKenzie Bishop

Address: PO Box 65808

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

Architect: NA 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.nm

Contractor: Guyman Construction Solutions LLC Contact: Rudy Guyman

Address: 6020 Industry Way ABO NM 87105

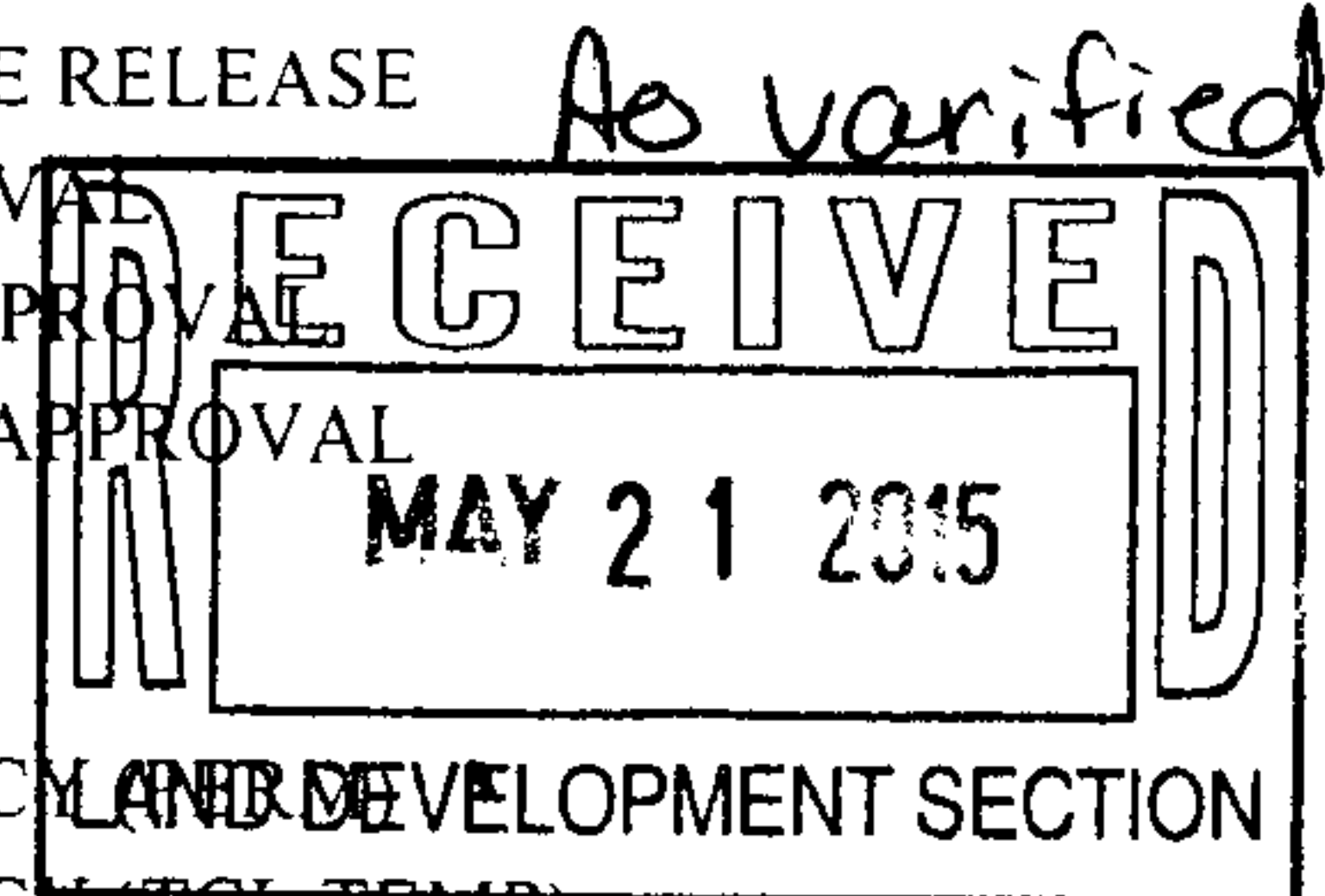
Phone#: 505-452-0663 Fax#: 505-452-0664 E-mail: rudy@guymanco.com

TYPE OF SUBMITTAL:

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- ☐ CONCEPTUAL G & D PLAN
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- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D APPROVAL
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- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (LAND DEVELOPMENT SECTION)
- ☐ CERTIFICATE OF OCCUPANCY (TCL TEMP)
- ☐ FOUNDATION PERMIT APPROVAL
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- ☐ ESC CERT. ACCEPTANCE
- ☐ OTHER (SPECIFY) _____



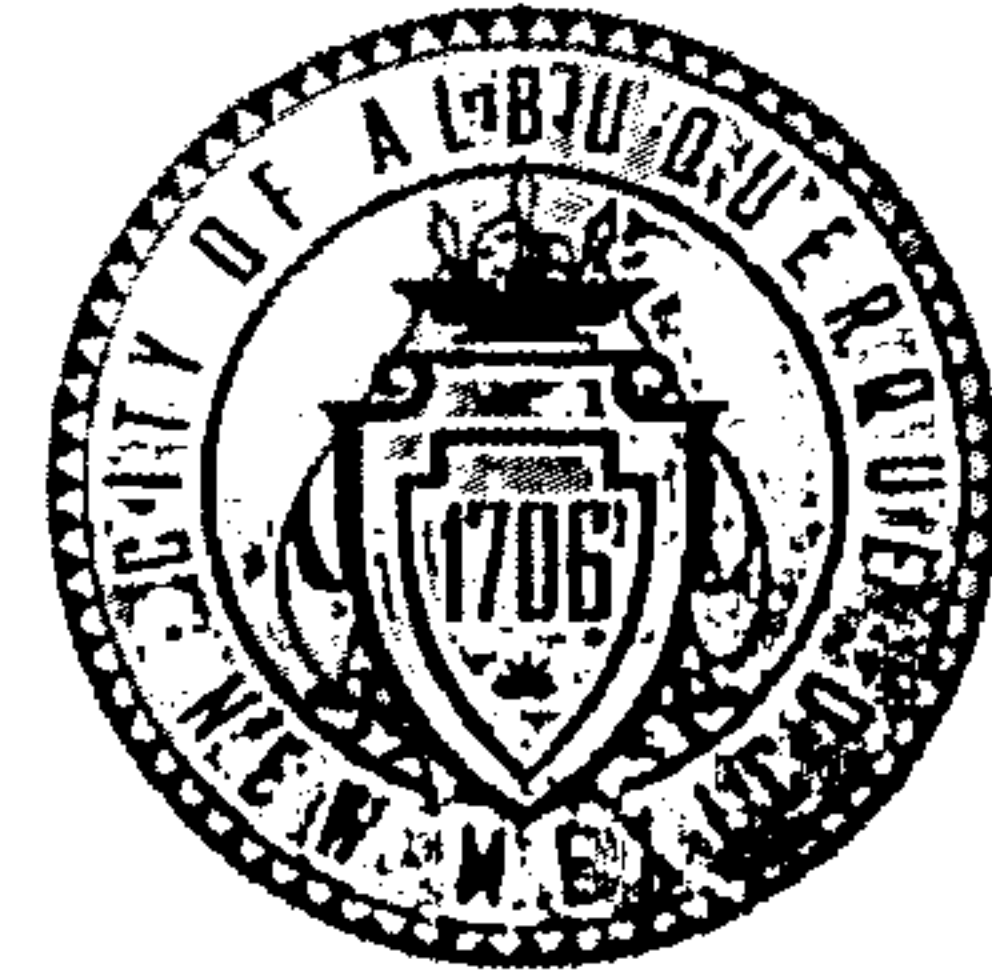
WAS A PRE-DESIGN CONFERENCE ATTENDED: _____ Yes _____ No ☒ Copy Provided

DATE SUBMITTED: 5-21-15 By: Steven J. Metro [Signature]

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CITY OF ALBUQUERQUE



May 20, 2015

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

RE: **Lot 18 Block 6 Unit 22 Volcano Cliffs**
8004 Camino Alto Ct NW
Grading and Drainage Plan
Engineers Stamp Date 5/1/15 (D10D003B18)

Dear Mr. Metro,

Based upon the information provided in your submittal received 4/30/15, this plan cannot be approved for Grading Permit and Building Permit until the following comments are addressed.

- Provide pond bottoms. ✓ Done
- Provide pond volumes. ✓ "
- The lot to the south has free discharge to the petroglyphs, therefore the opening is not needed between these two lots. ✓ Done

PO Box 1293

Albuquerque

New Mexico 87103

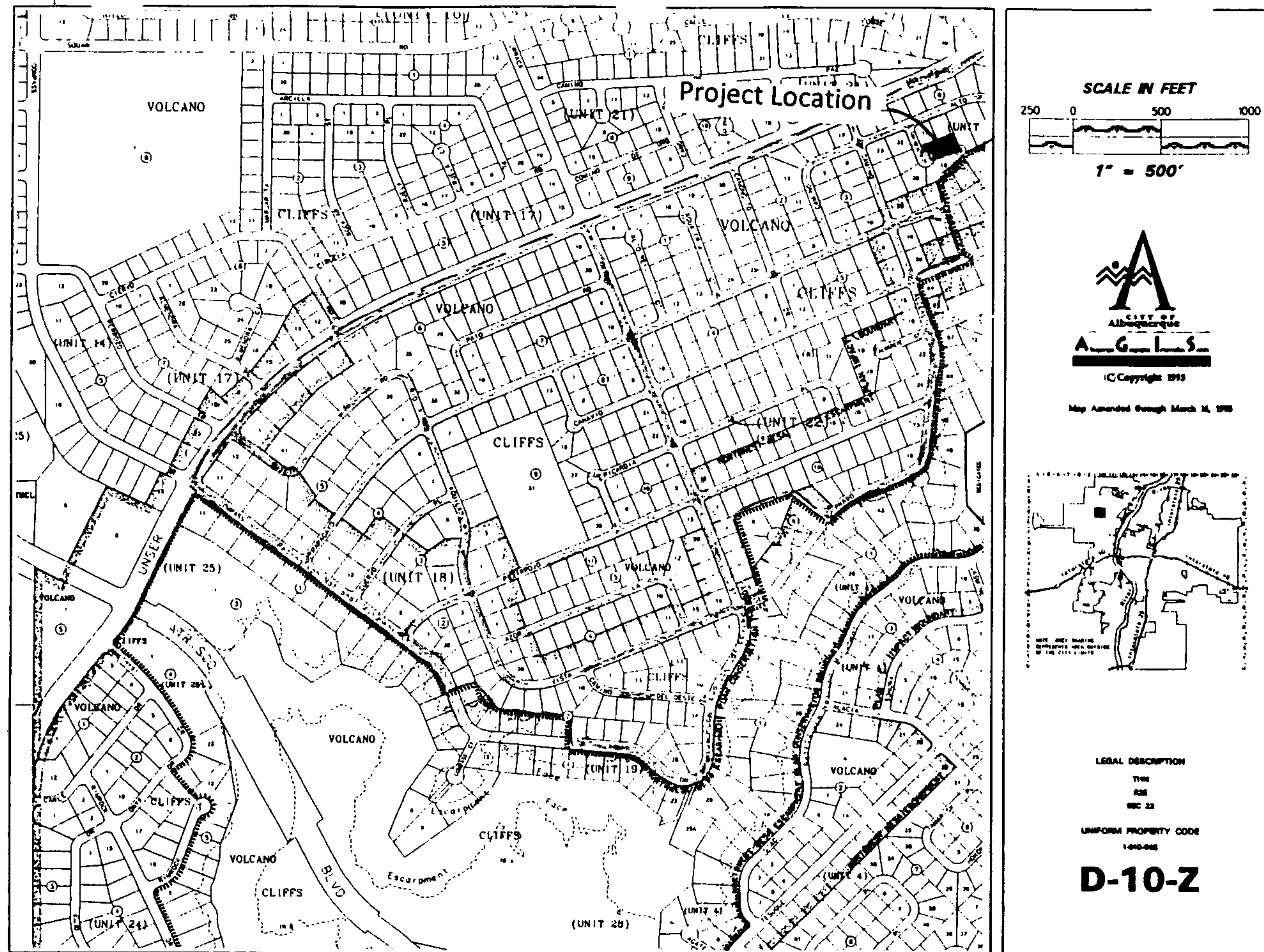
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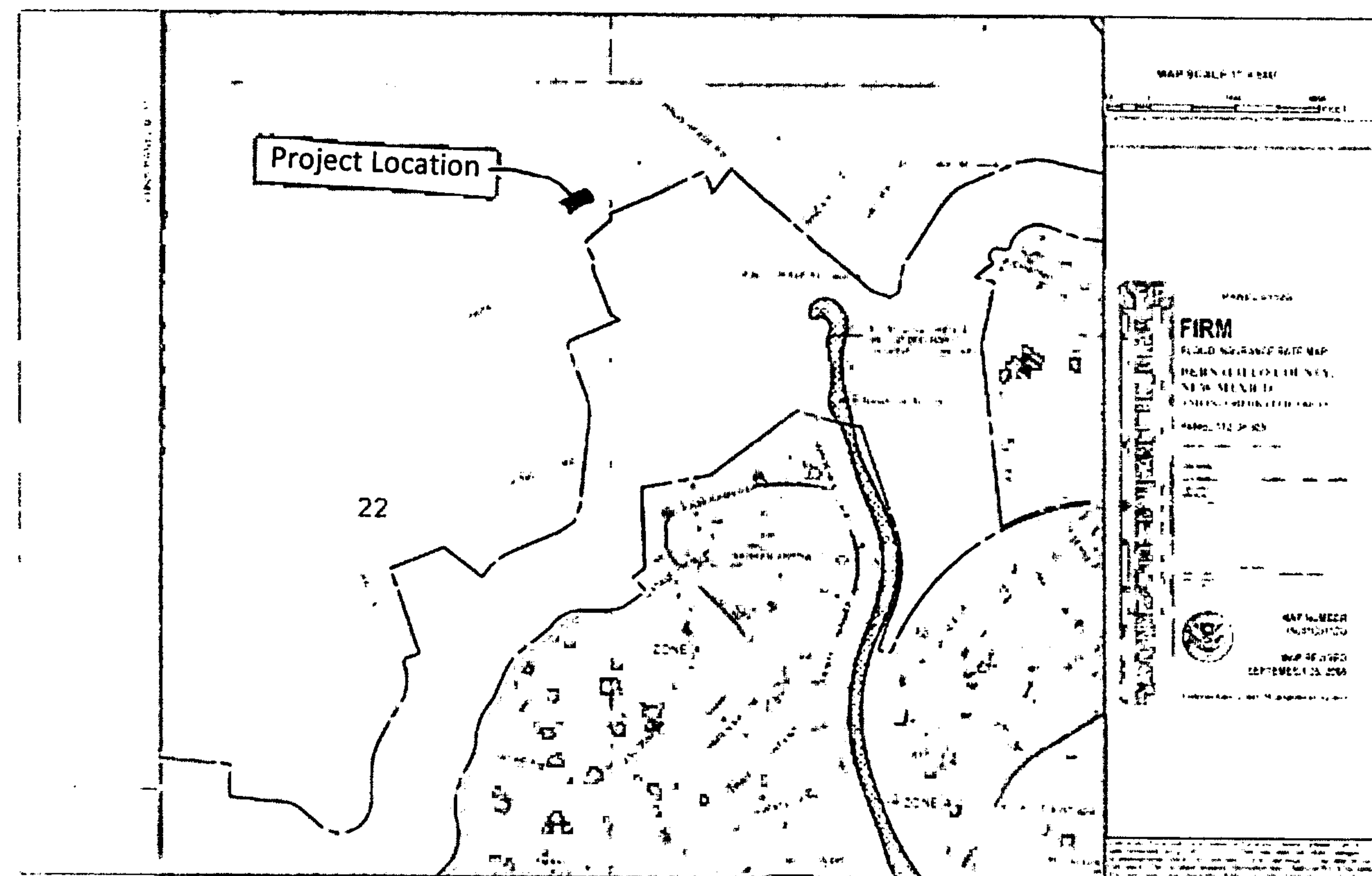
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VICINITY MAP



FEMA MAP

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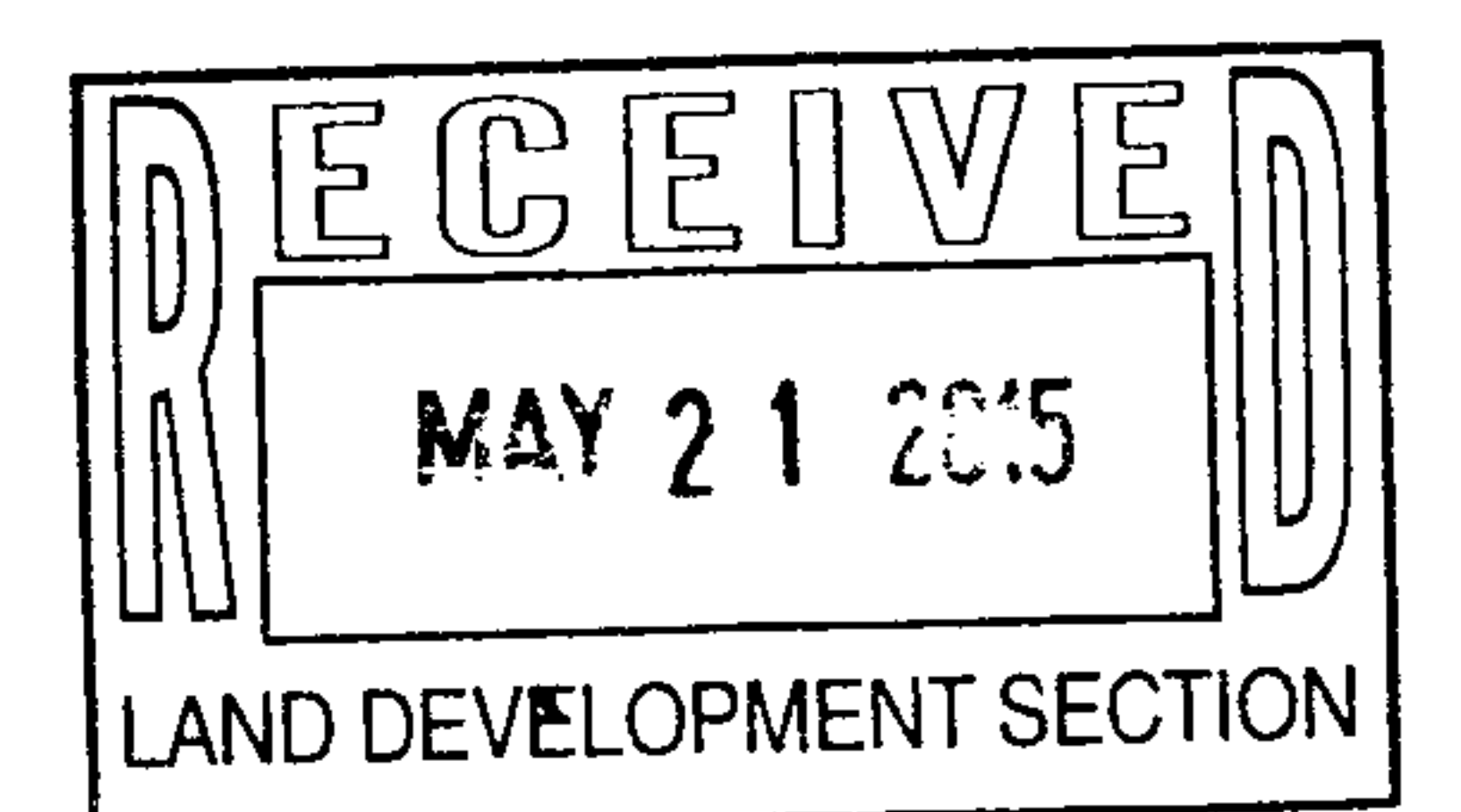
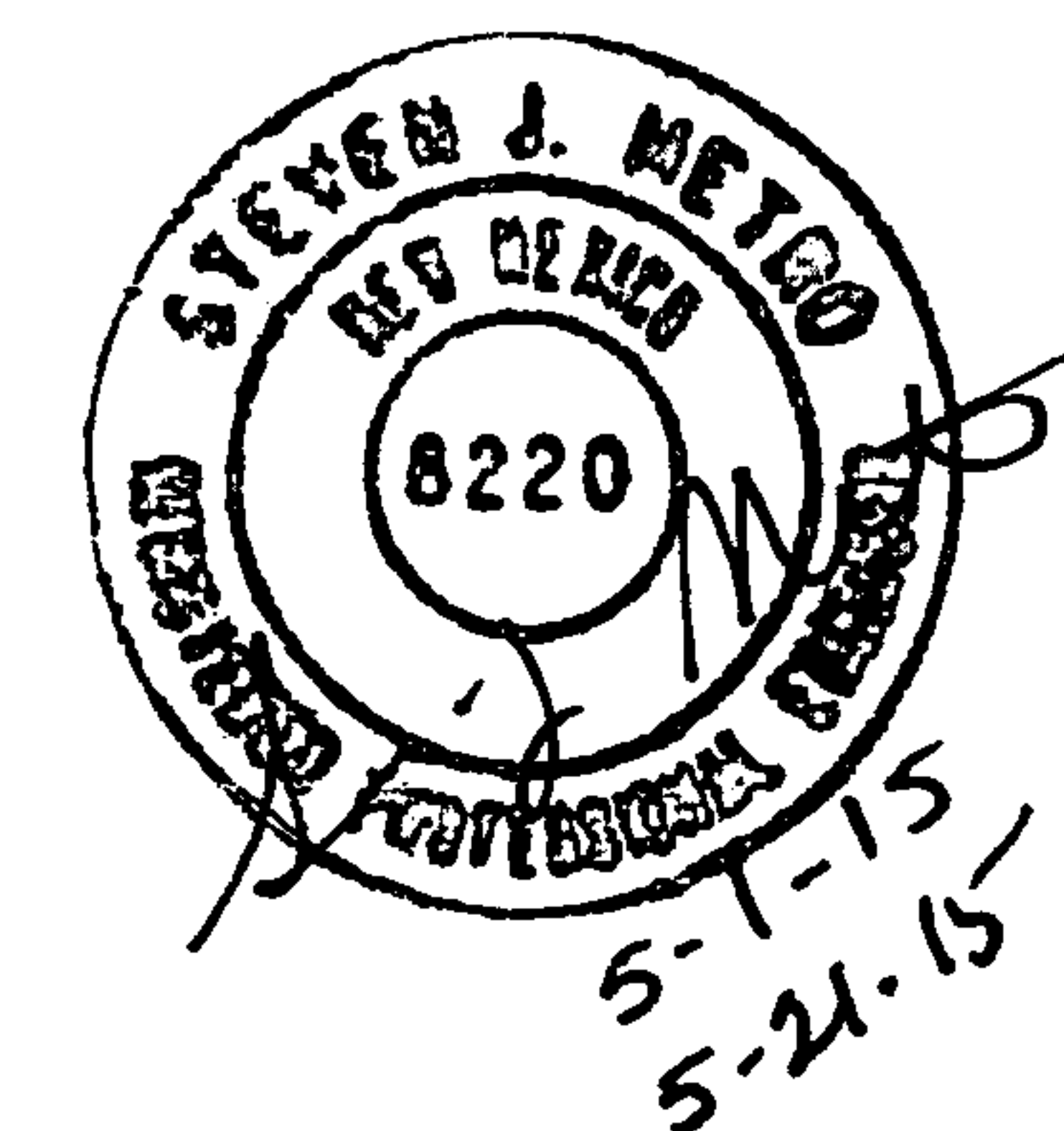
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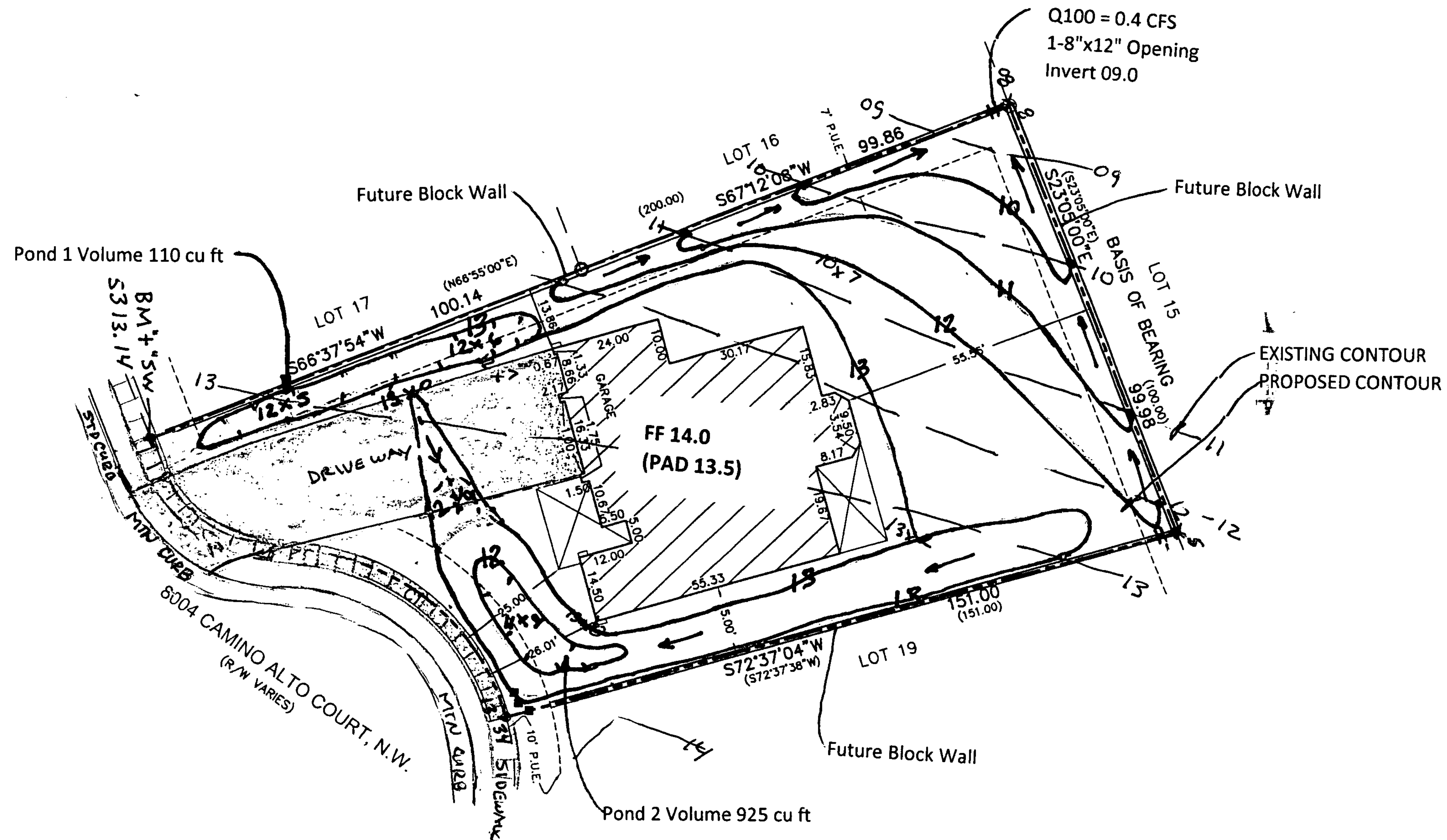
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GRADING AND DRAINAGE PLAN
LOT 18 , BLOCK 6 , UNIT 22 , VCS
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1"=30'

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PREPARED BY STEVEN J. METRO, PE AND PS

GRADING & DRAINAGE PLAN
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LOT 18, BLOCK 6, UNIT 22 VCS

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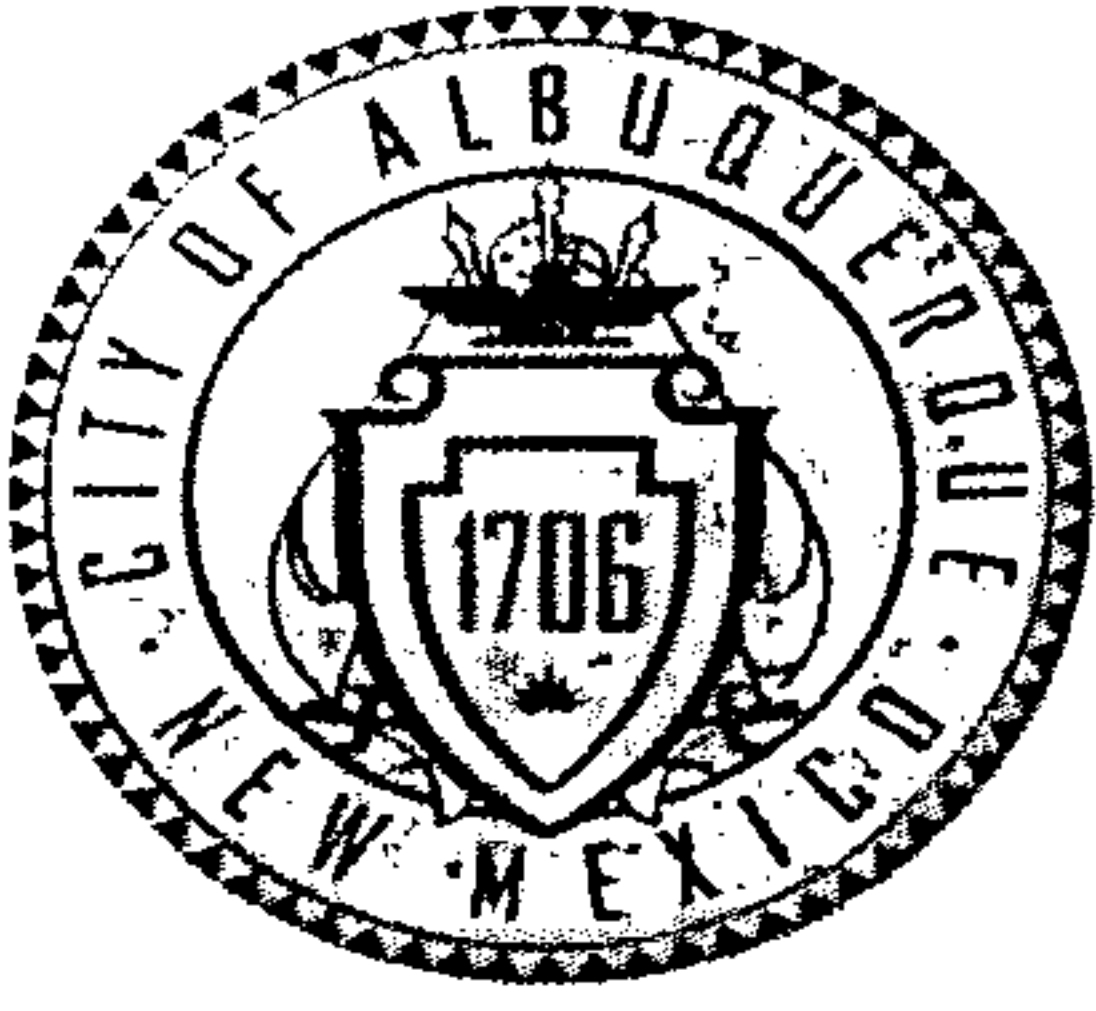
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Sincerely,

Rita Harmon, P.E.
Senior Engineer, Hydrology
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DRAINAGE AND TRANSPORTATION INFORMATION SHEET

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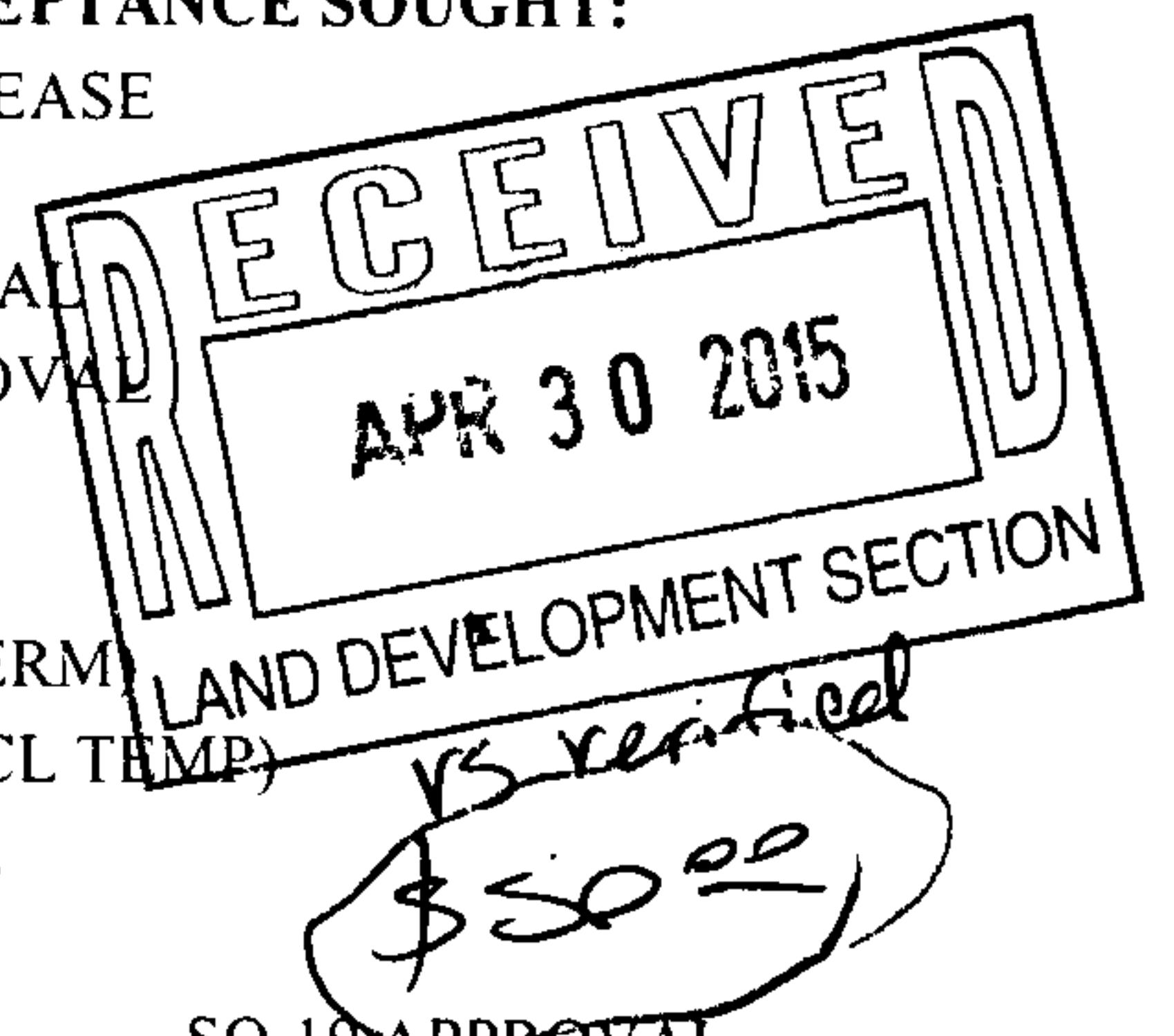
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 Owner: Abramo Homes Contact: MacKenzie Bishop
 Address: PO Box 45808
 Phone#: 505-269-0915 Fax#: _____ E-mail: mackenzie@abrahamhomes.com
 Architect: NA Contact: _____
 Address: _____
 Phone#: _____ Fax#: _____ E-mail: _____
 Surveyor: Metro Development, Inc. Contact: Steve Metro
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 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:

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☐ ESC CERT. ACCEPTANCE
☐ OTHER (SPECIFY) _____



WAS A PRE-DESIGN CONFERENCE ATTENDED: _____

Yes _____ No ☒ Copy Provided

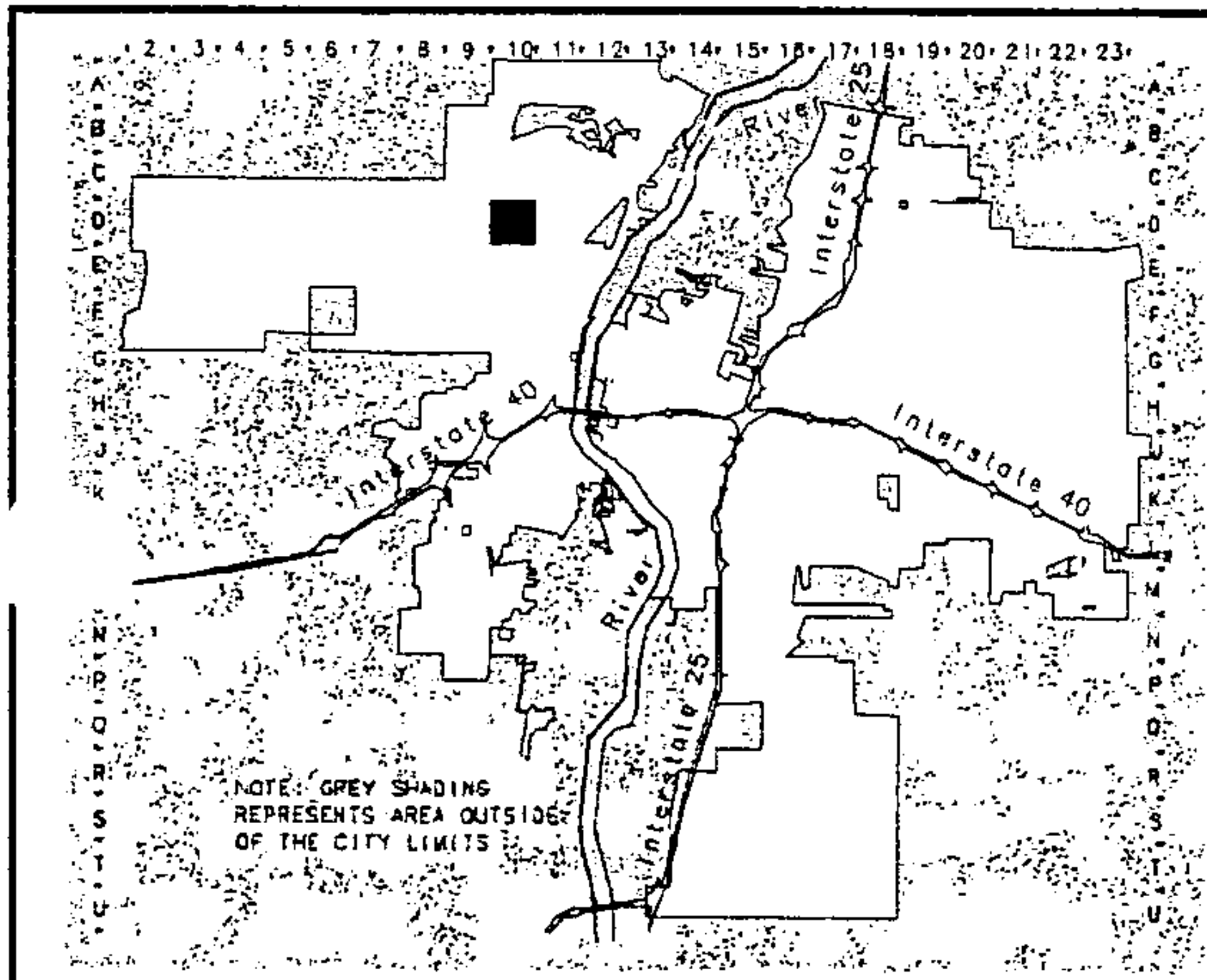
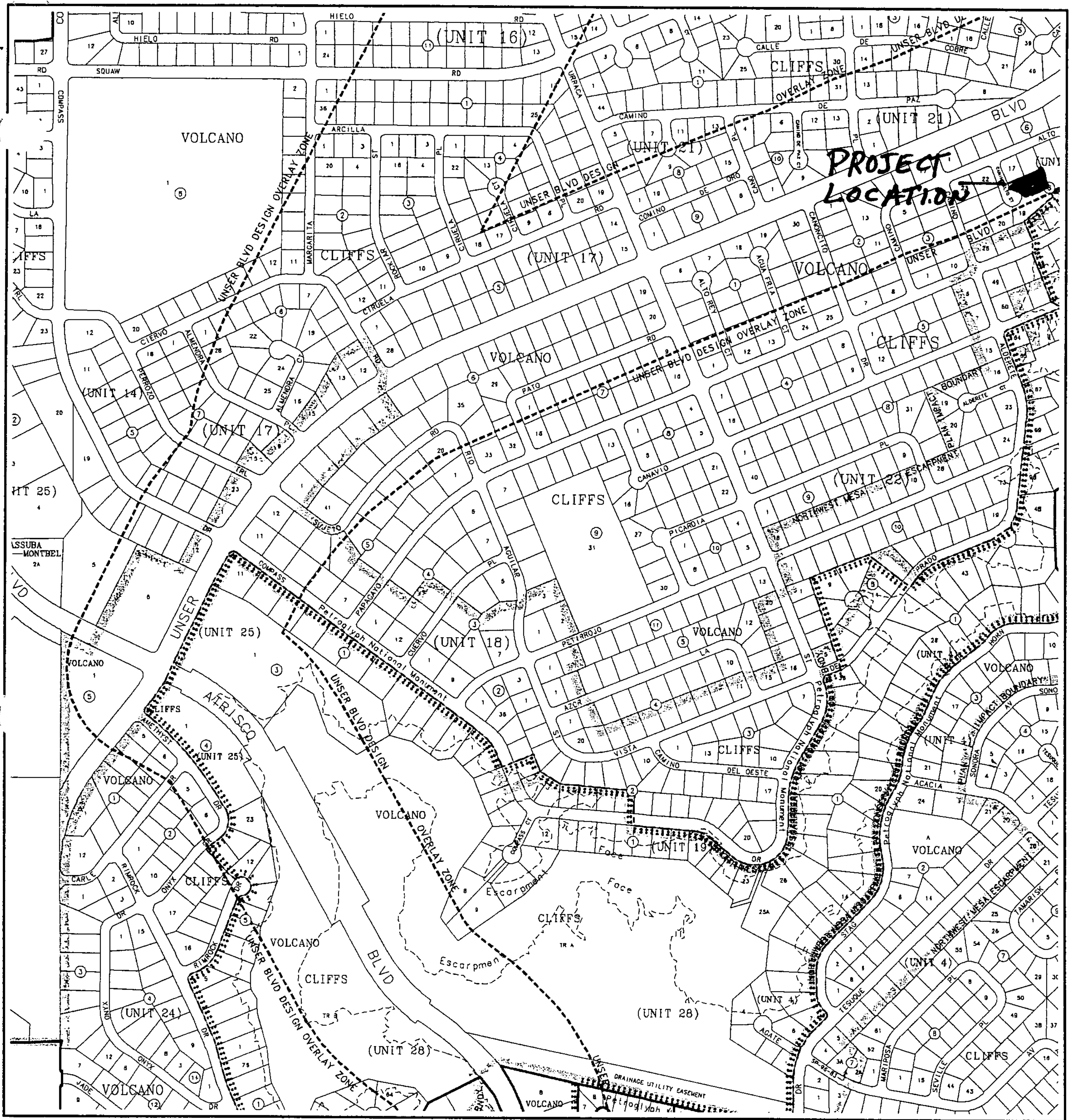
DATE SUBMITTED: 5-1-15

By: Steven J. Metro

Steve Metro

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

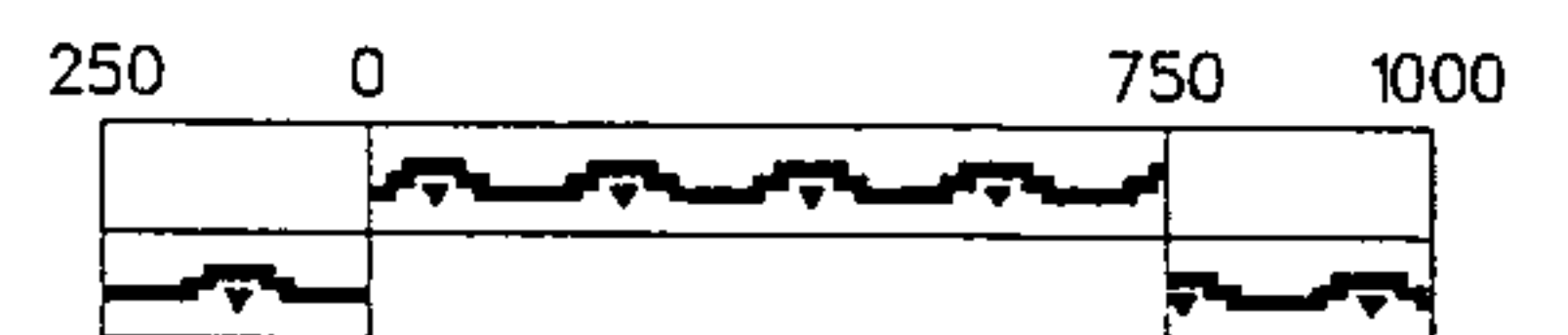


CITY OF
Albuquerque

Albuquerque **G**eographic **I**nformation **S**ystem
PLANNING DEPARTMENT

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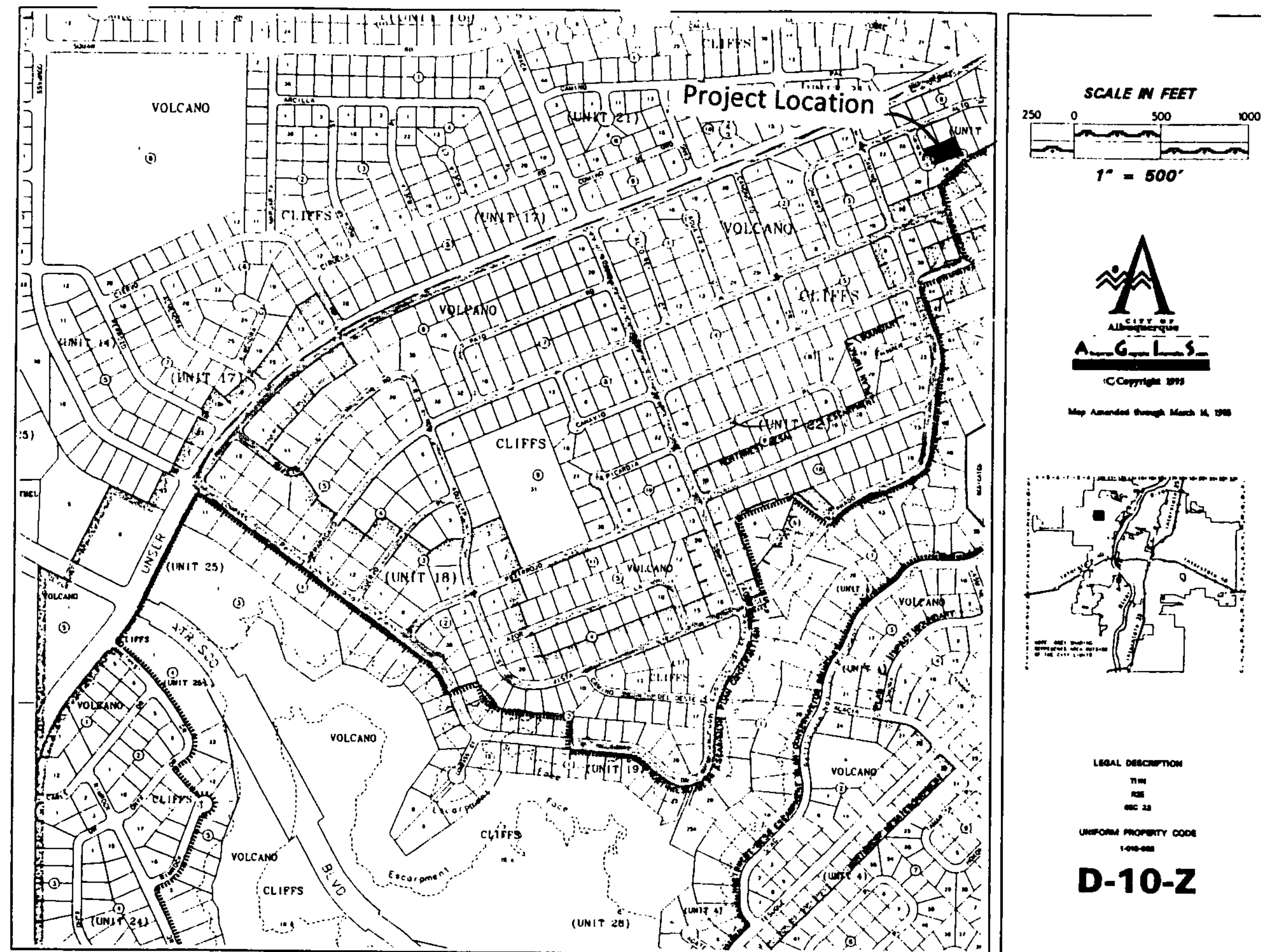
GRAPHIC SCALE IN FEET



Zone Atlas Page

D-10-Z

Map Amended through January 21, 2003



VICINITY MAP

Narrative

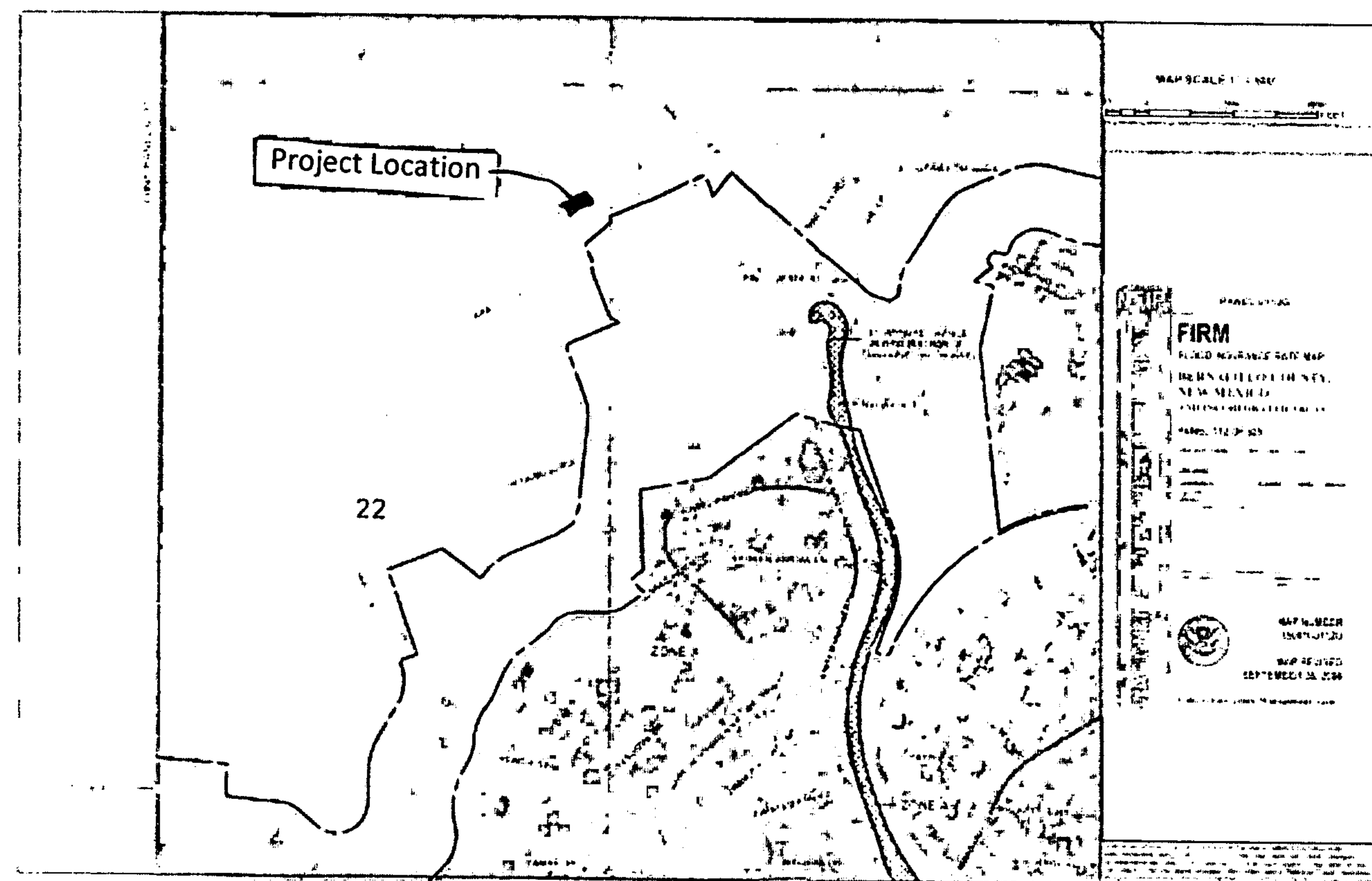
Grading and Drainage Plan for the construction of the building pad for Lot 18, Block 6, Unit 22, Volcano Cliff S Subdivision, being a part of SAD 228.

Address: 8004 Camino Alto Ct NW, Albuquerque, NM

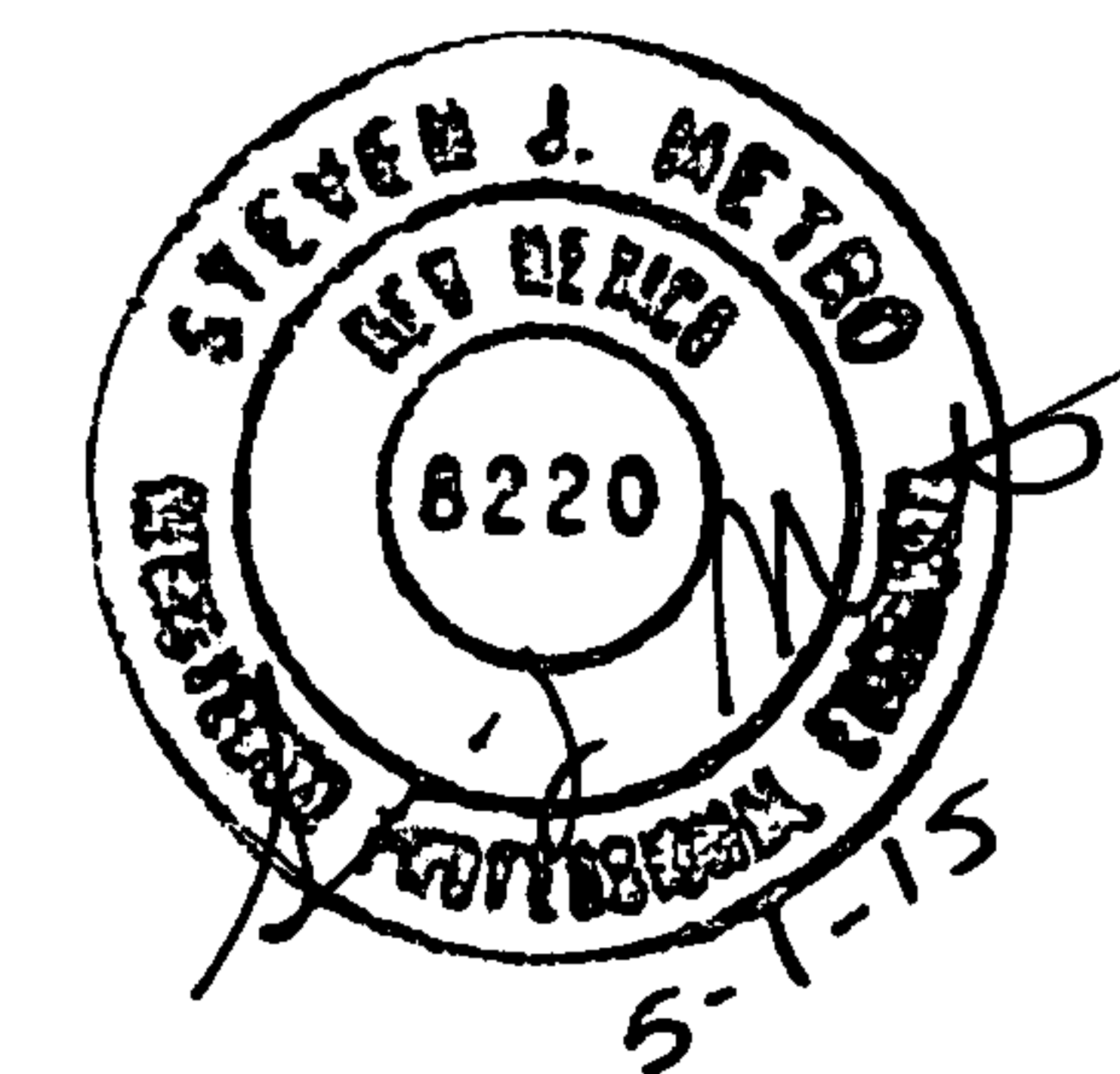
Purpose of this Plan is to establish the first floor elevation, house layout, lot drainage including offsite flows.

First Flush per EPA Standards

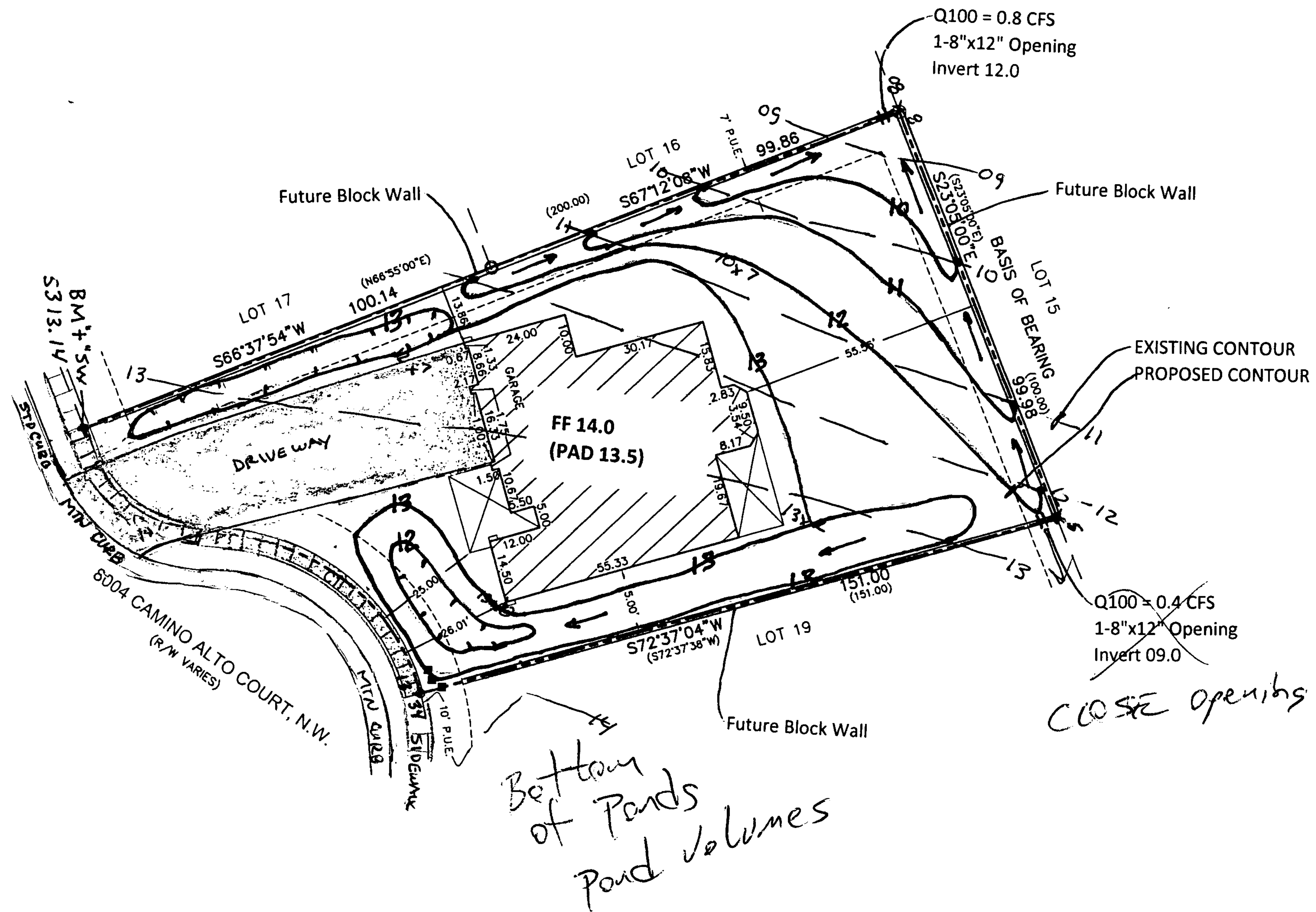
The Initial First Flush to be managed is 0.44" less 0.10" initial impervious abstraction = 0.34" or 450 cubic feet. The initial storage on site will be collected and held in the two landscape ponds near the street as shown on the Plan.



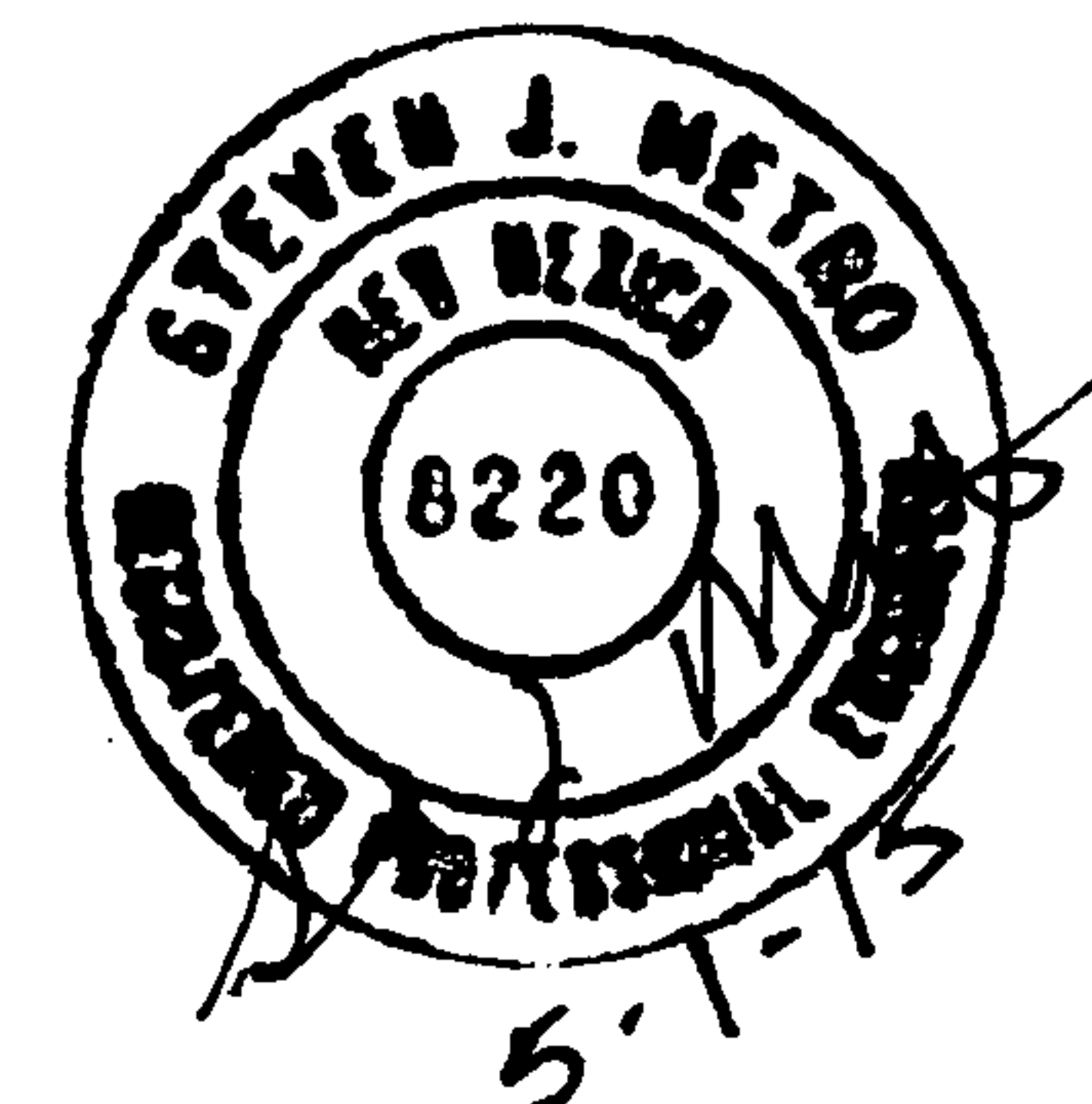
FEMA MAP



GRADING AND DRAINAGE PLAN
LOT 18 , BLOCK 6 , UNIT 22 , VCS
ADDRESS: 8004 Camino Alto Ct NW



LOT 18, BLOCK 6, UNIT 22 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	5,600	35%	50	4.37	0.56	0.79	1,500	0.15
TYPE C	8,700	55%	40	2.87	0.57	0.42	3,000	0.20
TYPE B	1,540	10%	10	2.03	0.07	0.07	1,100	0.05
	15840	100%	100		1.21	1.29	5,600	0.40



PREPARED BY STEVEN J. METRO, PE AND PS

GRADING & DRAINAGE PLAN
8004 Camino Alto Ct. NW
LOT 18, BLOCK 6, UNIT 22 VCS

CITY OF ALBUQUERQUE



June 3, 2015

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

**RE: Lot 18 Block 6 Unit 22 Volcano Cliffs
8004 Camino Alto Ct NW
Grading and Drainage Plan
Engineers Stamp Date 5/21/15 (D10D003B18)**

Dear Mr. Metro,

Based upon the information provided in your submittal received 5/21/2015, 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 924-3695 or Rudy Rael at 924-3977.

New Mexico 87103

www.cabq.gov

Sincerely,

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

RR/RH
C: File