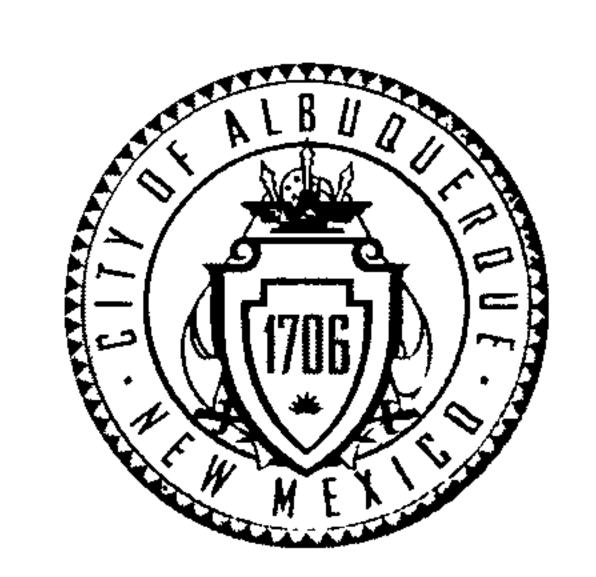
CITY OF ALBUQUERQUE

December 15, 2014



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

RE: SAD 228, Lot 7 Block 10 6509 Petirrojo Rd. NW Grading and Drainage Plan Engineers Stamp Date 12/8/14 (D10-D003P7)

Dear Mr. Metro,

Based upon the information provided in your submittal received 12/8/14, 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

Sincerely,

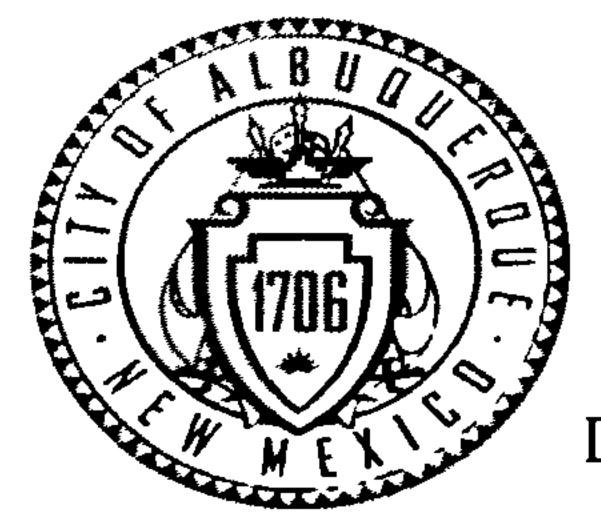
www.cabq.gov

Curtis Cherne, P.E.

Principal Engineer, Hydrology

Planning Department

RR/CC C: File



City of Albuquerque

Planning Department

Development & Building Services Division

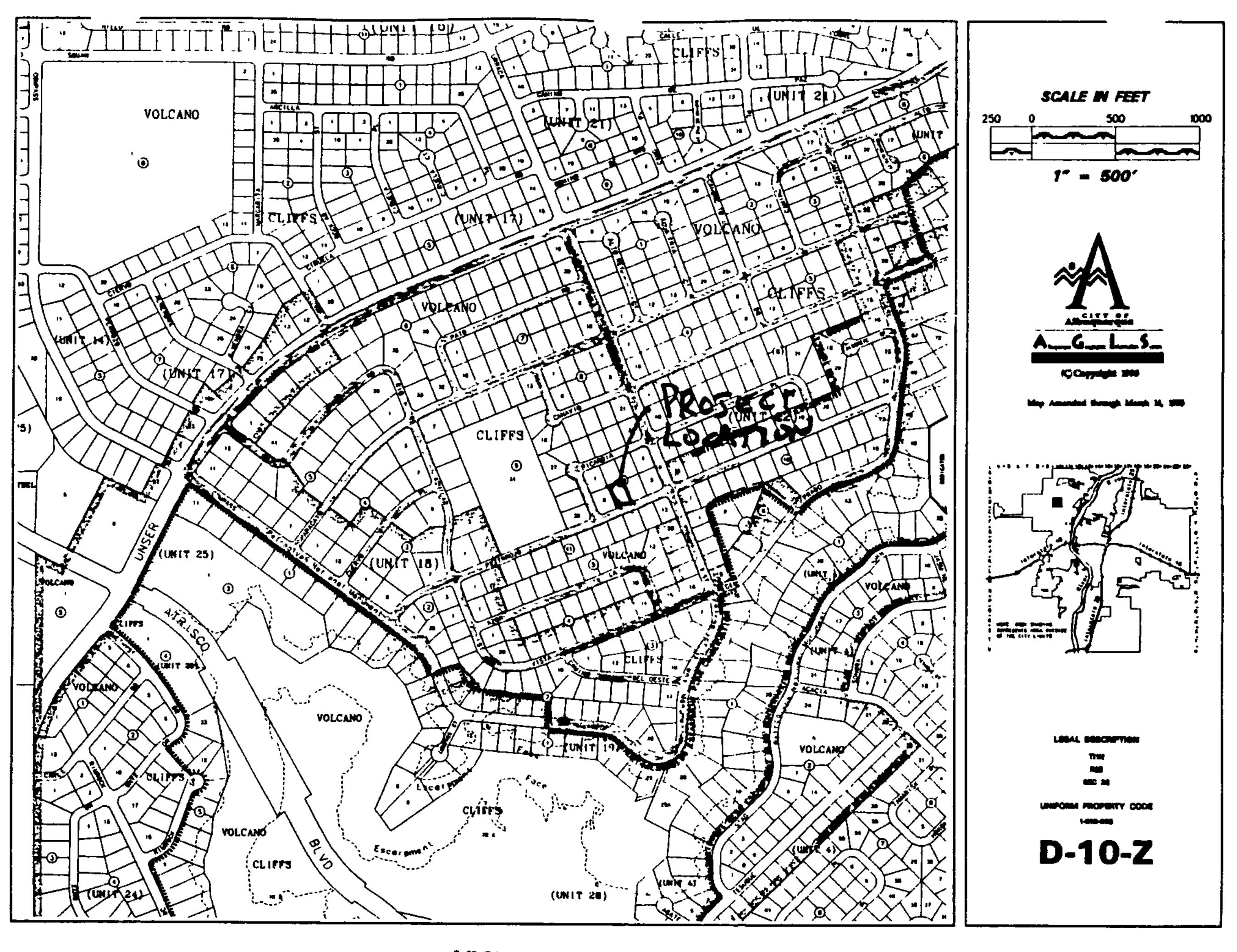
DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

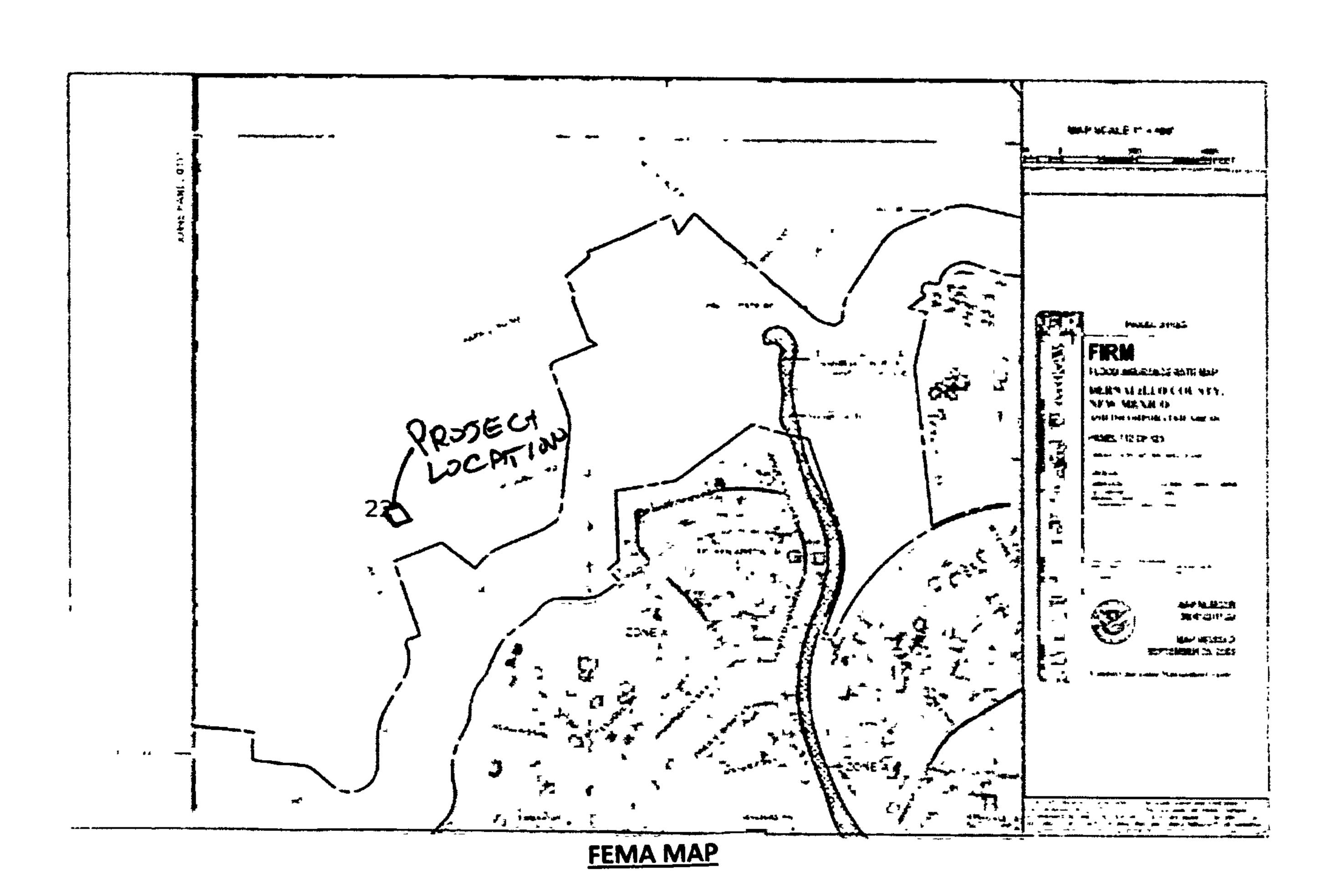
Project Title: Lot Gradin Plan Infection DRB#: EPC#: Legal Description: Lot 7, Block 10, Unit 18 City Address: 6509 Petimoso Rd A	Work Order#:
Engineering Firm: Metro Development I Address: 8860 Desert Finish In	ME, ABB NM 87122
Phone#: 505-280-4553 Fax#: 34. Owner: Unified Controtors Address: POBX 93984 ABR N	E-mail: Steve. Metroc Wilsman. Contact: Ivan Santisteum. M 87199
Phone#: 505-350-3324 Fax#:	E-mail: Iva C United contraction
Address: Phone#: Fax#:	E-mail:
Surveyor: Same as ABOVE MPI Address: Phone#: Fax#:	Contact: Steven Metro E-mail:
Contractor: Gugman Address: Phone#: Fay#:	Contact:
Phone#: Fax#: TYPE OF SUBMITTAL: DRAINAGE REPORT DRAINAGE PLAN 1st SUBMITTAL X 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 (DRB SITE PLAN) ENGINEER'S CERT (ESC) SO-19 OTHER (SPECIFY)	CHECK TYPE OF APPROVAL/ACCEPTANCE SOLICATION 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 OTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED: DATE SUBMITTED: 12-8-14	By: Yes No Copy Provided

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
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VICINITY MAP



Narrative

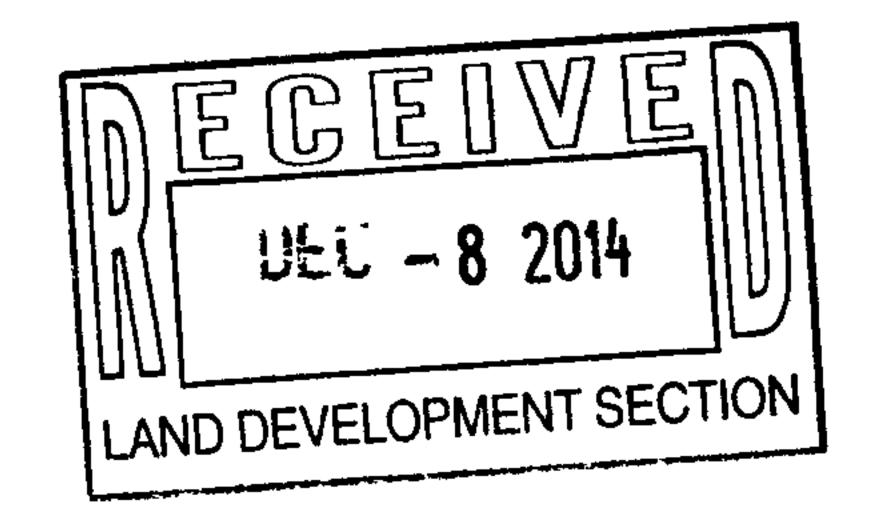
Grading and Drainage Plan for the construction of the building pad for Lot 7 Block 10 Unit 18 Volcano Cliff S Subdivision, being a part of SAD 228.

Address: 6509 PETIRROJO ROAD, NW, ABR, 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 manages is 0.44" less 0.10" initial impervious abstraction = 0.34" or 480 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.



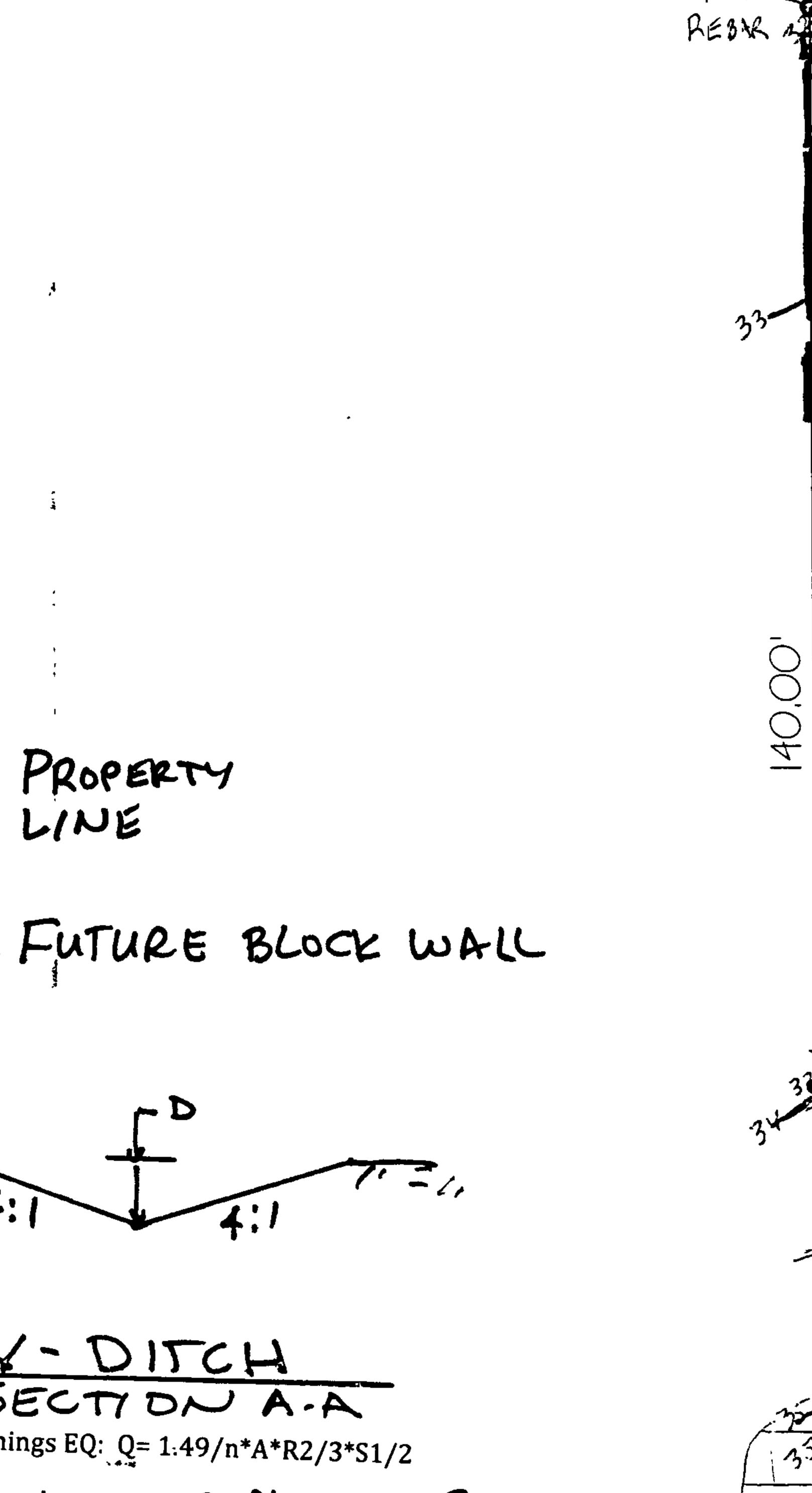




Development, Inc. 8860 Desert Finch Ln NE Albuquerque, NM 87122 (505) 280-4553 GRADING AND DRAINAGE PLAN

LOT 7 BLOCK 10 UNIT 18 VCS

ADDRESS: 6509 PETIRRATO RD, NW



Y-DITCH SECTION A.A Mannings EQ: Q = 1.49/n*A*R2/3*S1/2

PROPERTY

LINE

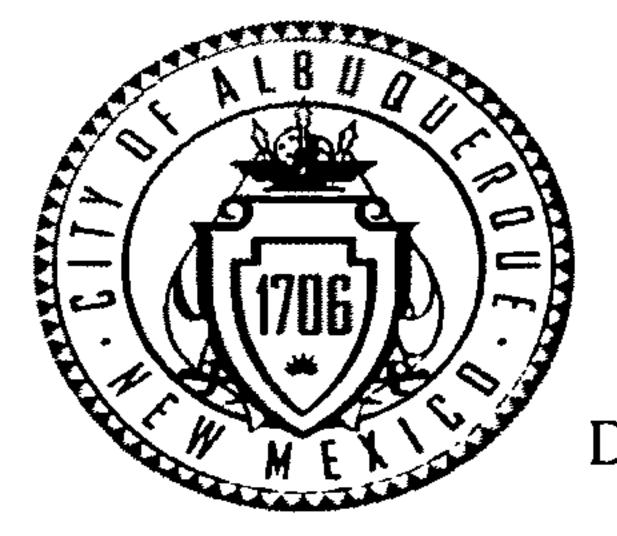
-77-

D:0.6' S=0.90% n=003 Qios: 2.5 cfs Vioo = 1.7 fps

REAR LOT DRAINAGE V DITCH, 4:1 SS, D (3:5) OFFSITE LOTS 6 & 7 2.9 CFS INVERT 32.80 1-8"X12" OPENING FND 1 = 20 FF 37.0 EXC PAD TO 34.5 AND COMPACT Existing Contour LANDSCAPE! Prepared by Steven J. Metro, PE and PS Wilson & Company LOT 7, BLOCK 10, UNIT 18 VCS 6509 PETIRROJO ROAD, NW SAD 228 DRAIN TO

				Q100 CFS	TOTAL	SAD 228	DRAIN TO	
	AREA LOT		SAD 228	<u>/ ACRE</u>	<u>PROP</u>	<u>DMP</u>	REAR OF	REAR LOT
COVER	<u>SF</u>	<u>%</u>	<u>DMP %</u>	ZONE 1	Q100 CFS	Q100 CFS	LOT SF	Q100 CFS
TYPE D	6,662	48	50	4.37	0.67	0.70	5,600	0.56
TYPE C	5,338	14	40	2.87	0.35	0.37	5,338	0.35
† TYPE B	2,000	<u>38</u>	<u>10</u>	2.03	0.09	<u>0.07</u>	<u>O</u>	0.00
	14000	100	100		1.11	1.14	10,938	0.91

SHEET 2 OF 2



City of Albuquerque

Planning Department

Development & Building Services Division

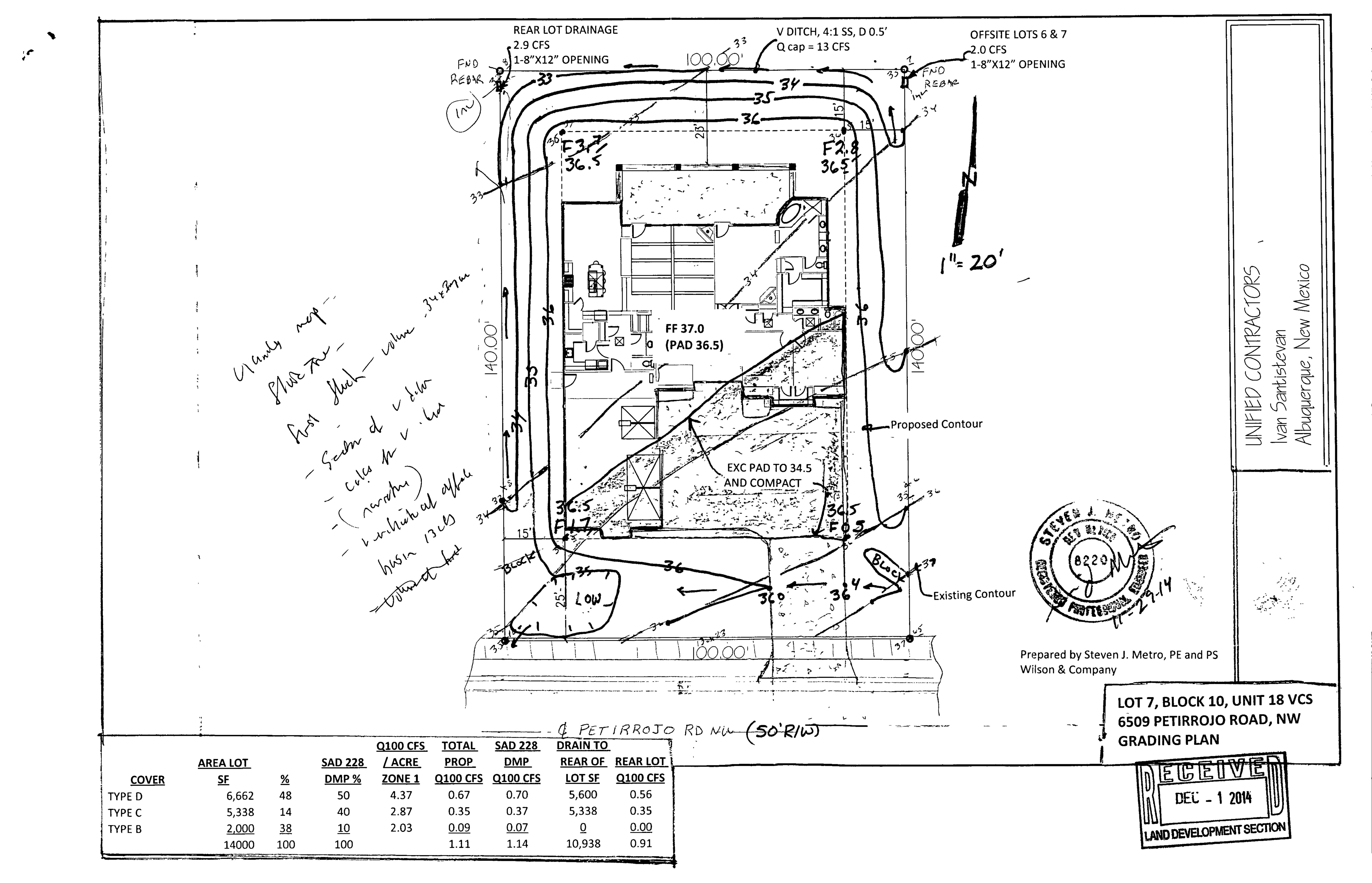
DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Lot Grading Plan Un	Had Cal Building Permit #:_	City Drainage #: DODOS
DRB#: EPC#:		Work Order#:
Legal Description: Lot 7, Block 10, Unit	18 V CS	
City Address: 6509 Pettrojo RON		
		\sim 10 L \sim
Engineering Firm: Metro Development	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Contact: Stew Metro
Address: 8860 Dout First La	NE 8 11 2 C A100	
Phone#: Fax#:		E-mail: Steve metro CWilsmon
Owner: Uniffed Contractors		Contact: Ivan Santistevan
$\mathcal{D}_{\mathcal{L}} = \mathcal{D}_{\mathcal{L}} $	VM 57199	
Phone#: 505-350-3324 Fax#:		E-mail: 1Van@ unifted Contractor
		cn
Architect:		Contact:
Address: Phone#: Fax#:		E-mail:
\sim \sim \sim		- 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Surveyor: ///D1	<u> </u>	Contact: Steven Metro
Address:		E-mail:
Contractor: (\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Contact:
Address:		E-mail:
r nonch.		L'-man.
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVA	AL/ACCEPTANCE SOUGHT:
DRAINAGE REPORT	SIA/FINANCIAL GUARAN	TEE RELEASE
DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APPR	
DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB'D	
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PERMI	
GRADING PLAN	SECTOR PLAN APPROVAL	
EROSION & SEDIMENT CONTROL PLAN (ESC)	FINAL PLAT APPROVAL	DEL - 1 2014
ENGINEER'S CERT (HYDROLOGY)	CERTIFICATE OF OCCUPA	
CLOMR/LOMR	CERTIFICATE OF OCCUPA	TO A SID DEVICE ADMENT SECTION
TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT AP	
ENGINEER'S CERT (TCL)	BUILDING PERMIT APPRO	
ENGINEER'S CERT (DRB SITE PLAN)	GRADING PERMIT APPRO	
ENGINEER'S CERT (ESC)	PAVING PERMIT APPROVA	
SO-19 OTHER (CRECIEX)	WORK ORDER APPROVAL	
OTHER (SPECIFY)	GRADING CERTIFICATION	OTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED:	Yes XNo Co	py Provided
1~	By:	
Requests for approvals of Site Development Plans and/or Subdivision	Plats shall be accompanied by a drainag	e submittal. The particular nature, location, and

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

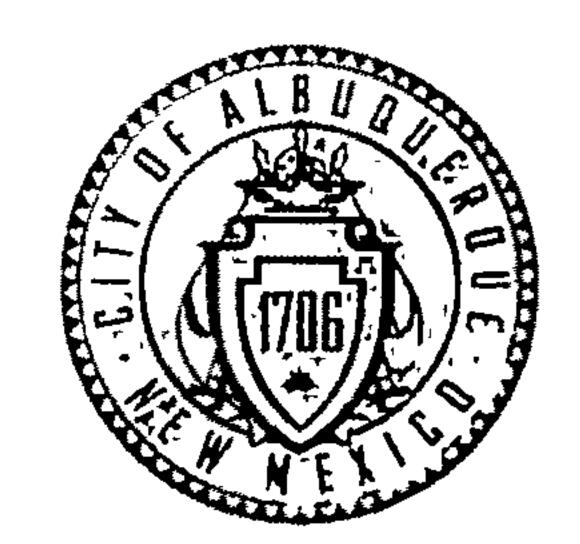
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CITY OF ALBUQUERQUE

December 5, 2014

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



RE: 6509 Petirrojo Rd. NW

Grading and Drainage Plan Engineers Stamp Date 11/29/14 (D10-D003P7)

Dear Mr. Metro,

Based upon the information provided in your submittal received 12/1/2014, the above referenced Grading and Drainage Plan cannot be approved for Grading Permit or Building Permit until the following comments are addressed.

- Provide a Vicinity map, a FEMA map or designation, a narrative.
- Mention of the first flush per EPA standards is required. The amount required is .34" times the impervious area.
- Provide a section of the V Ditch and calculations for the ditch. 13.0cfs seems a bit too much. Is the ditch a shared ditch, if so where will the block fence be placed?
- What are the inverts of the openings? Is this a block fence? Future
- What is the flow line in the street?

Albuquerque

PO Box 1293

If you have any questions please contact me at 924-3986 or Rudy Rael at 924-3977.

New Mexico 87103

www.cabq.gov

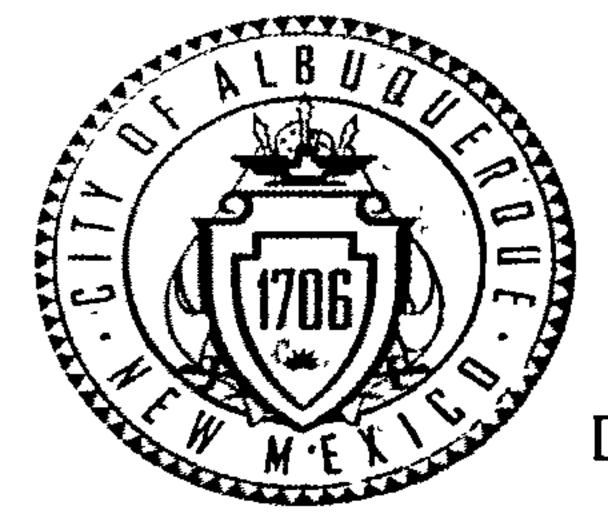
Sincerely,

Curtis Cherne, P.E.

Principal Engineer, Planning Department

Development and Review Services

RR/CC C: File



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Lot Grading Plan U.	1 Fied Constitution Permit #: City Drainage #:
DRB#: LグA EPC#:	Work Order#:
Legal Description: Lot 7, Block 10, Un	+18 V CS
City Address: 6509 Petirojo RO	
Engineering Firm: Metro Developme	$\frac{1}{1}$
Address: 8860 Down Fivel	NE 87177 ABN NIN
Phone#:	E-mail: Steve netvo c Wilson
110 Fral Cata Laco	
Owner: Witted Wintradors Address: P6 Box 93989 ABOX	Contact: Lim Santisteilin
Phone#: 505-350-3324 Fax#:	E-mail: 1VON@ UNIFICACION+TON
	<u></u>
Architect:	Contact:
Phone#: Fax#:	E-mail:
Surveyor: MDI	Contact: Steven Metro
Address: Tama ABVIE	Contact. Japan Transfer
Phone#: Fax#:	E-mail:
Contractor:	Contact:
Address:	
Phone#: Fax#:	E-mail:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:
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DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APPROVAL
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SO-19	WORK ORDER APPROVAL ESC CERT. ACCEPTANCE
OTHER (SPECIFY)	GRADING CERTIFICATION OTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED: DATE SUBMITTED: 12-1-14	By: Yes YNo Copy Provided
Decree for annual of City Development Diagonal and/on Subdevice	

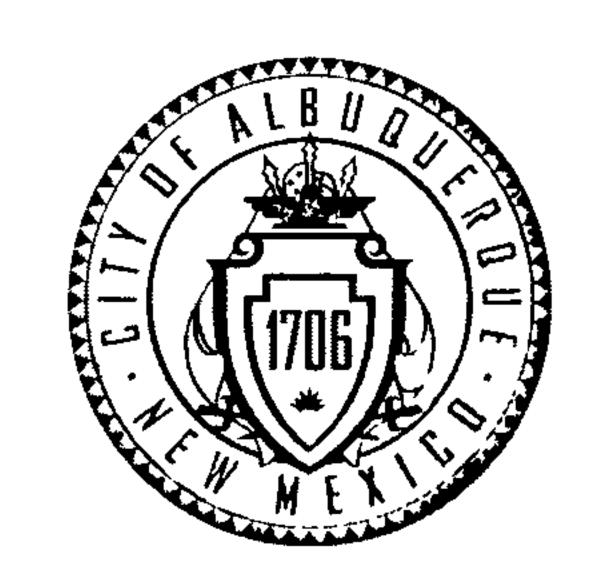
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CITY OF ALBUQUERQUE

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Sincerely,

Curtis Cherne, P.E.

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Principal Engineer, Planning Department

Development and Review Services

C: File

RR/CC