

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.

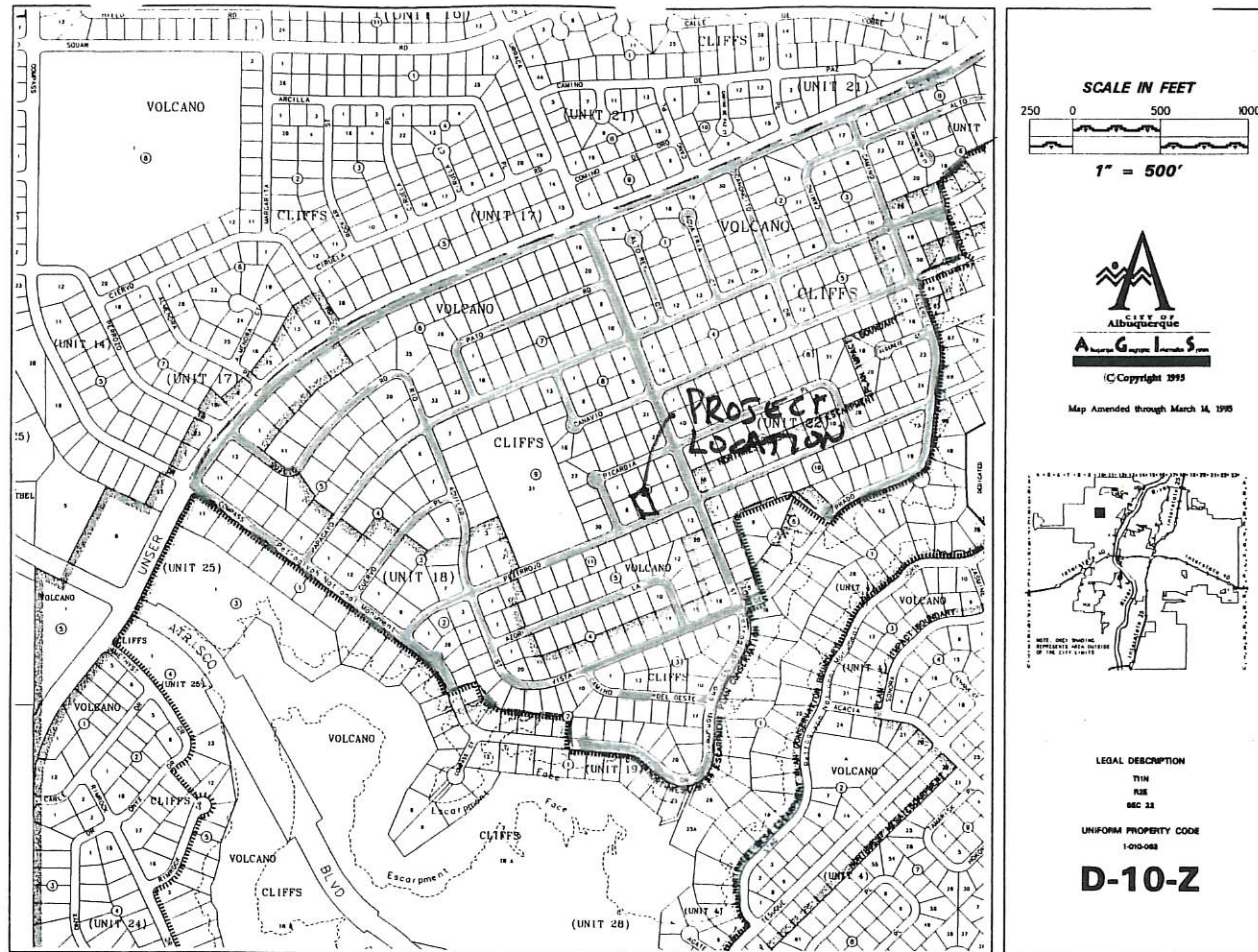
New Mexico 87103

www.cabq.gov

Sincerely,

Curtis Cherne, P.E.
Principal Engineer, Hydrology
Planning Department

RR/CC
C: File



VICINITY MAP



FEMA 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, ABO, 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 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.



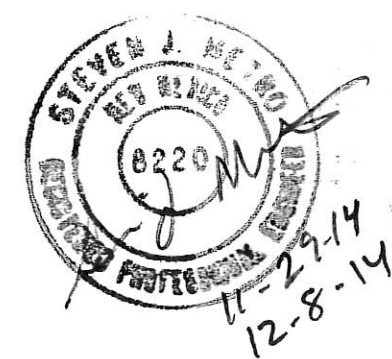
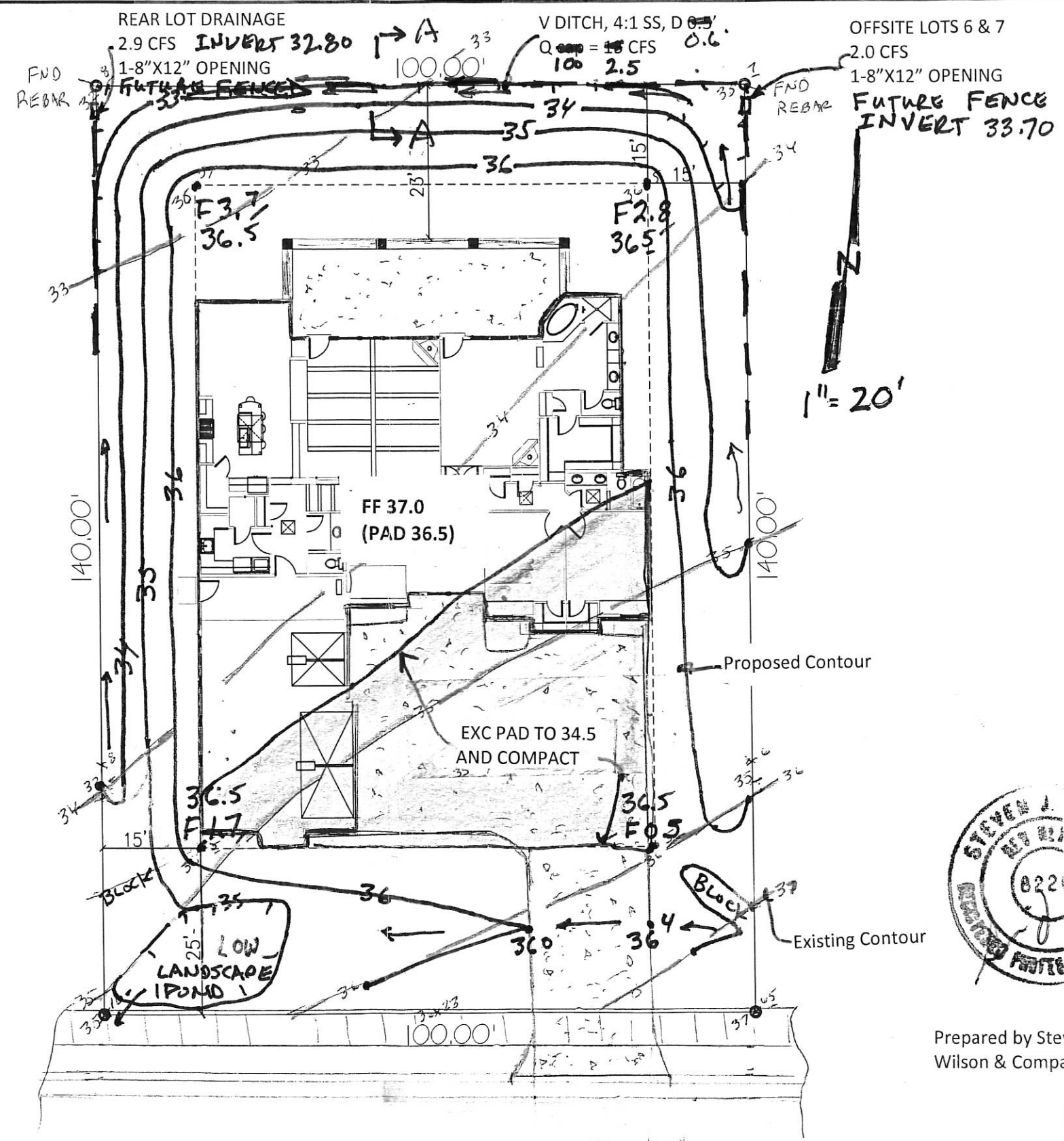
METRO
Development, Inc.
8860 Desert Finch Ln NE
Albuquerque, NM 87122
(505) 280-4553

GRADING AND DRAINAGE PLAN
LOT 7 , BLOCK 10 , UNIT 18 , VCS
ADDRESS: 6509 PETIRROJO RD, NW



**Y-DITCH
SECTION A-A**

Mannings EQ: $Q = 1.49/n \cdot A \cdot R^{2/3} \cdot S^{1/2}$
 $D = 0.6'$ $S = 0.90\%$ $n = 0.03$
 $Q_{100} = 2.5 \text{ cfs}$ $V_{100} = 1.7 \text{ fps}$



Prepared by Steven J. Metro, PE and PS
 Wilson & Company

**LOT 7, BLOCK 10, UNIT 18 VCS
 6509 PETIRROJO ROAD, NW
 GRADING PLAN**

UNIFIED CONTRACTORS
 Ivan Santistevan
 Albuquerque, New Mexico

COVER	AREA LOT		SAD 228 DMP %	Q100 CFS / ACRE	TOTAL PROP	SAD 228 DMP	DRAIN TO	
	SF	%					REAR OF LOT SF	REAR LOT 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	38	10	2.03	0.09	0.07	0	0.00
	14000	100	100		1.11	1.14	10,938	0.91