

# CITY OF ALBUQUERQUE

*Planning Department*  
David Campbell, Director



*Mayor Timothy M. Keller*

December 19, 2018

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

**RE: Volcano Cliffs Subdivision Lot 6, Block 7, Unit 18  
6512 Pato Rd. NW  
Grading and Drainage Plan  
Engineers Stamp Date 12/18/18 (D10D003L6)**

Dear Mr. Metro,

Based upon the information provided in your submittal received 12/18/18, this plan is approved for Building permit.

Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology. Also, please advise the owner/contractor that a separate wall permit must be obtained and this approved grading plan dated 12/18/18 must be provided with the wall permit application. Also, please advise the contractor/owner that the ponds must stay in place or CO will not be granted.

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

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

Sincerely,

James D. Hughes, P.E.  
Principal Engineer, Hydrology  
Planning Department

RR/JDH  
C: File



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6512 PATO NW G & D PLAN Building Permit #: \_\_\_\_\_ Hydrology File #: 010 - D00366  
DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_  
Legal Description: Lot 1, Block 1, Unit 18 Volcano Cliffs Subdivision ABQ, NM  
City Address: 6512 PATO ROAD NW ABQ NM  
Applicant: Unified Contractors Contact: Ivan Santistevan  
Address: PO Box 93984  
Phone#: 505-350-3324 Fax#: \_\_\_\_\_ E-mail: ivan@unifiedcontractors.com  
Other Contact: Wilson & Company Contact: Steve Metro  
Address: 4401 Masthead St NE Ste 150  
Phone#: 505-280-4553 Fax#: 505-348-4055 E-mail: Steve.Metro@wilsonco.com  
TYPE OF DEVELOPMENT: \_\_\_\_\_ PLAT (# of lots) ☒ RESIDENCE \_\_\_\_\_ DRB SITE \_\_\_\_\_ ADMIN SITE  
IS THIS A RESUBMITTAL? \_\_\_\_\_ Yes ☒ No

DEPARTMENT \_\_\_\_\_ TRANSPORTATION \_\_\_\_\_ HYDROLOGY/DRAINAGE

Check all that Apply:

### TYPE OF SUBMITTAL:

- \_\_\_\_\_ ENGINEER/ARCHITECT CERTIFICATION  
☒ PAD CERTIFICATION  
\_\_\_\_\_ CONCEPTUAL G & D PLAN  
\_\_\_\_\_ GRADING PLAN  
\_\_\_\_\_ DRAINAGE REPORT  
\_\_\_\_\_ DRAINAGE MASTER PLAN  
\_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT APPLIC  
\_\_\_\_\_ ELEVATION CERTIFICATE  
\_\_\_\_\_ CLOMR/LOMR  
\_\_\_\_\_ TRAFFIC CIRCULATION LAYOUT (TCL)  
\_\_\_\_\_ TRAFFIC IMPACT STUDY (TIS)  
\_\_\_\_\_ STREET LIGHT LAYOUT  
\_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_  
\_\_\_\_\_ PRE-DESIGN MEETING?

### TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

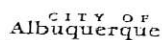
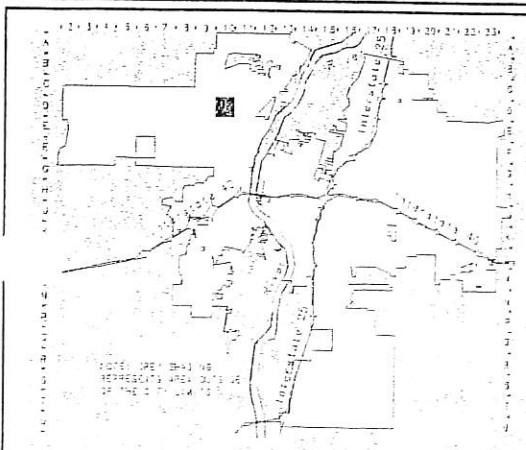
- ☒ BUILDING PERMIT APPROVAL  
\_\_\_\_\_ CERTIFICATE OF OCCUPANCY  
\_\_\_\_\_ PRELIMINARY PLAT APPROVAL  
\_\_\_\_\_ SITE PLAN FOR SUB'D APPROVAL  
\_\_\_\_\_ SITE PLAN FOR BLDG. PERMIT APPROVAL  
\_\_\_\_\_ FINAL PLAT APPROVAL  
\_\_\_\_\_ SIA/ RELEASE OF FINANCIAL GUARANTEE  
\_\_\_\_\_ FOUNDATION PERMIT APPROVAL  
\_\_\_\_\_ GRADING PERMIT APPROVAL  
\_\_\_\_\_ SO-19 APPROVAL  
\_\_\_\_\_ PAVING PERMIT APPROVAL  
\_\_\_\_\_ GRADING/ PAD CERTIFICATION  
\_\_\_\_\_ WORK ORDER APPROVAL  
\_\_\_\_\_ CLOMR/LOMR  
\_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT  
\_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_

DATE SUBMITTED: 12-18-18 By: [Signature]

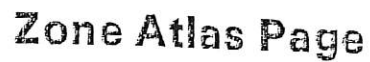
COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_



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Map Amended through January 21, 2003

# CITY OF ALBUQUERQUE

Planning Department  
Suzanne Lubar, Director



Mayor Richard J. Berry

November 16, 2015

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

**RE: Volcano Cliffs Subdivision Lot 6 Block 7 Unit 18  
6512 Pato Rd. NW  
Grading and Drainage Plan  
Engineers Stamp Date 11/9/15 (D10D003L6)**

Dear Mr. Metro,

Based upon the information provided in your submittal received 11/9/15, 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.

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

Sincerely,

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

RR/RH  
C: File

PO Box 1293

Albuquerque

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)



**FIELD DENSITY TESTS  
TROXLER 3400 SERIES  
MOISTURE-DENSITY GAUGE**

JOB NO: \_\_\_\_\_  
 PROJECT: SAD 228  
 CLIENT: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_

DATE: 11/13/2015  
 TESTED BY: WJL  
 METER NO: 63469  
 SHEET 1 OF 1

TEST NUMBER	1	2				REMARKS
% COMPACTION REQUIRED	95.0	95.0				Proctor = 125.4/9.0
% MOISTURE REQUIRED	9.0	9.0				
DENSITY COUNT	771	766				
MOISTURE COUNT	102	99				
MOISTURE	7.8	7.5				
% MOISTURE	6.7	6.4				
WET DENSITY	126.2	126.5				
DRY DENSITY	118.2	119.0				
% DRY DENSITY	95.0	95.1				
% VOIDS						
% ASPHALT DENSITY						
LOCATION/ELEVATION	Lot 6, Block 7, Unit 18 6512 Pato	Lot 6, Block 7, Unit 18 6512 Pato				



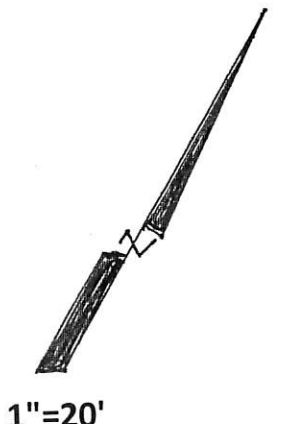




11-17-2015  
DRAINAGE CERTIFICATION

THIS CERTIFICATION IS FOR THE PAD ELEVATION AND COMPACTION.

  
Steven J. Metro, NMPE 8220 and NMPS 10025



<u>LOT 6, BLOCK 7,</u>	<u>AREA LOT</u>		<u>SAD 228</u>	<u>Q100 CFS</u>	<u>TOTAL</u>	<u>SAD 228</u>	<u>DRAIN TO</u>	
<u>UNIT 18 VCS</u>	<u>SF</u>	<u>%</u>	<u>DMP %</u>	<u>/ ACRE</u>	<u>PROP</u>	<u>DMP</u>	<u>REAR OF</u>	<u>REAR LOT</u>
				<u>ZONE 1</u>	<u>Q100 CFS</u>	<u>Q100 CFS</u>	<u>LOT SF</u>	<u>Q100 CFS</u>
TYPE D	6,800	47%	50	4.37	0.68	0.73	4,200	0.42
TYPE C	6,250	43%	40	2.87	0.41	0.38	4,500	0.30
TYPE B	<u>1,450</u>	<u>10%</u>	<u>10</u>	2.03	<u>0.07</u>	<u>0.07</u>	<u>1,100</u>	<u>0.05</u>
	14500	100%	100		1.16	1.18	9,800	0.77

Q100 = 1.2 CFS  
2-8"x12" Opening  
Invert 35.0

PREPARED BY STEVEN J. METRO, PE AND PS

## GRADING & DRAINAGE PLAN

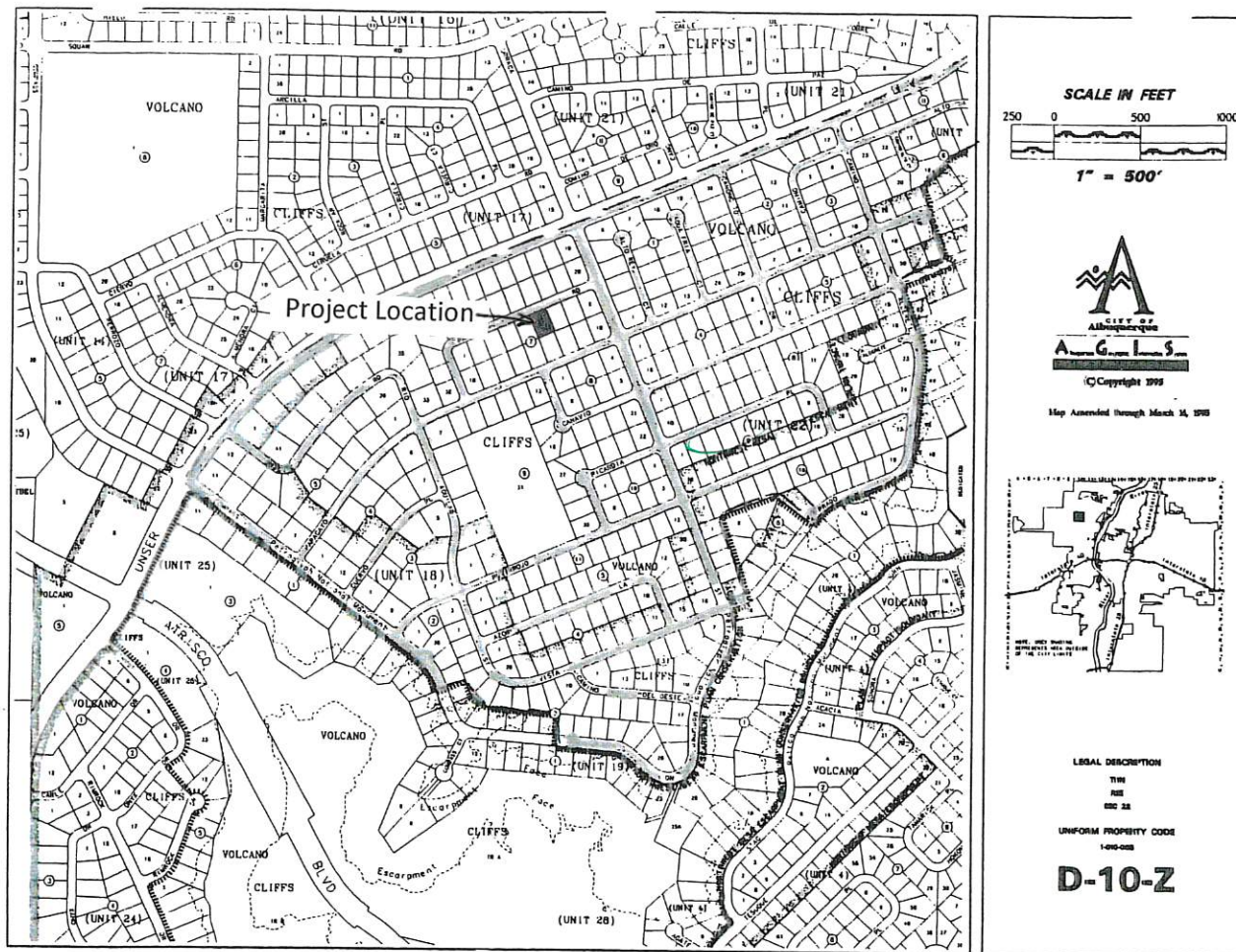
**6512 Pato Rd. NW**

**LOT 6, BLOCK 7, UNIT 18 VCS**

**PAD CERTIFICATION** Sheet 2 of 2

VERIFIED 12-14-18





### Narrative

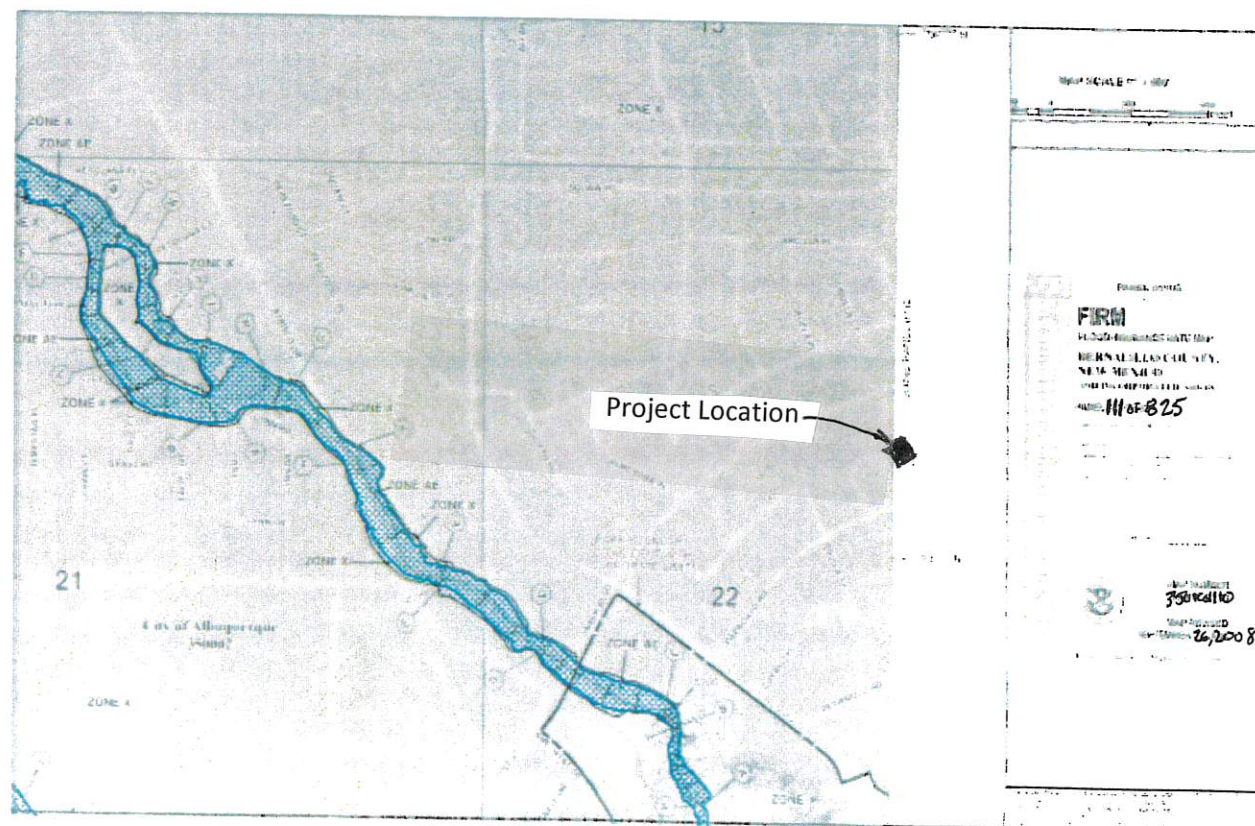
Grading and Drainage Plan for the construction of the building pad for Lot 6, Block 7, Unit 18, Volcano Cliff S Subdivision, being a part of SAD 228.

Address: 6512 PATO RD NW

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 410 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.



**GRADING AND DRAINAGE PLAN**  
**LOT 6, BLOCK 7, UNIT 18, VCS**  
**ADDRESS: 6512 PATO RD NW**

**PAD CERTIFICATION**

VERIFIED 12-14-18



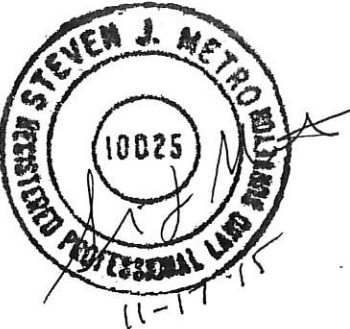
DRAINAGE CERTIFICATION WITH VERIFICATION BY ENGINEER OF RECORD  
11-17-2015  
DRAINAGE CERTIFICATION

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 11-9-2015. 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 6512 Pato Road, NW.

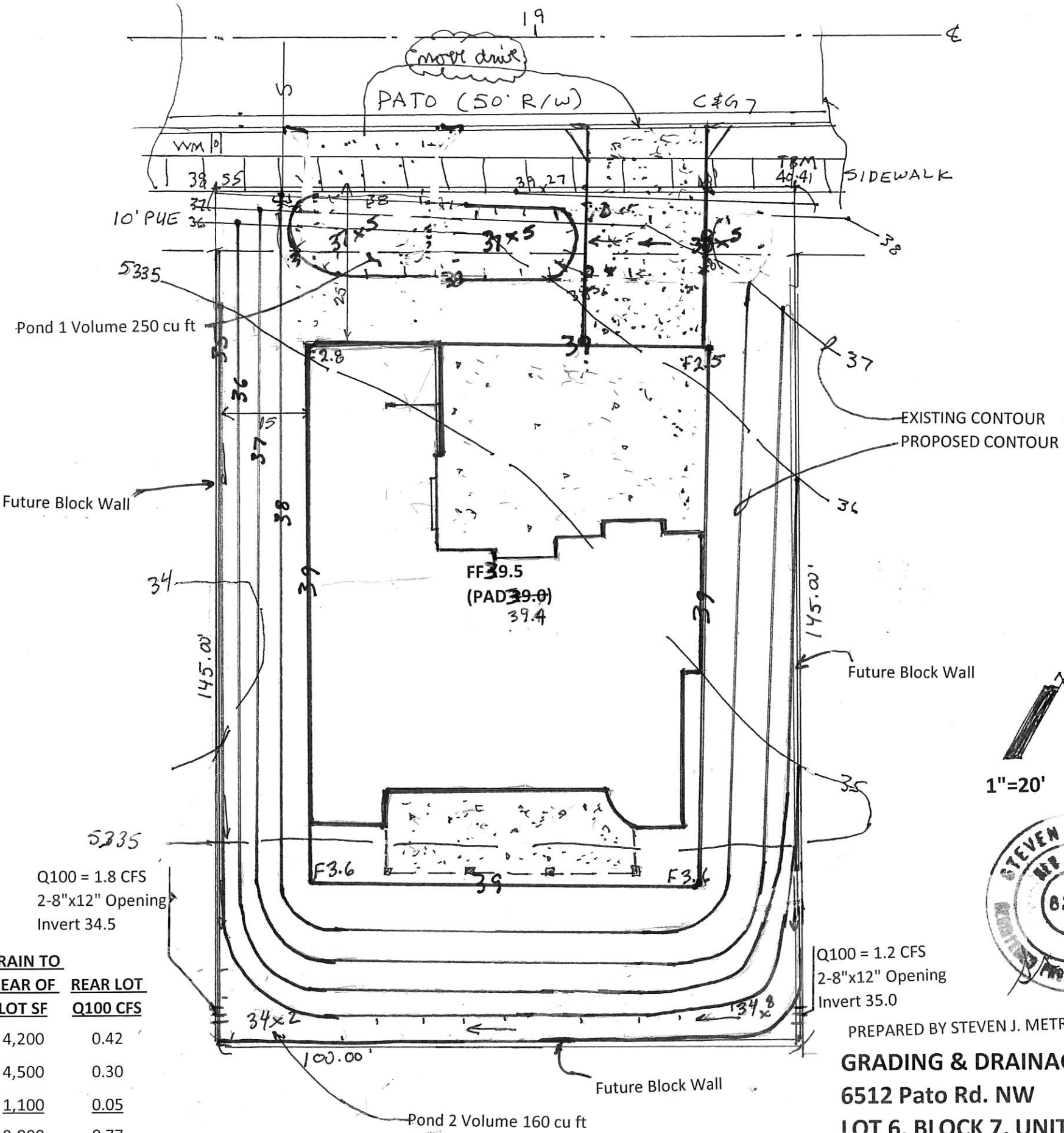
THIS CERTIFICATION IS FOR THE PAD ELEVATION AND COMPACTION.

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.

  
Steven J. Metro, NMPE 8220 and NMPS 10025



LOT 6, BLOCK 7, UNIT 18 VCS	AREA LOT		SAD 228 DMP %	Q100 CFS / ACRE ZONE 1	TOTAL PROP Q100 CFS	SAD 228 DMP Q100 CFS	DRAIN TO	
	SF	%					REAR OF LOT SF	REAR LOT Q100 CFS
TYPE D	6,800	47%	50	4.37	0.68	0.73	4,200	0.42
TYPE C	6,250	43%	40	2.87	0.41	0.38	4,500	0.30
TYPE B	1,450	10%	10	2.03	0.07	0.07	1,100	0.05
	14500	100%	100		1.16	1.18	9,800	0.77



PREPARED BY STEVEN J. METRO, PE AND PS  
**GRADING & DRAINAGE PLAN**  
**6512 Pato Rd. NW**  
**LOT 6, BLOCK 7, UNIT 18 VCS**  
**PAD CERTIFICATION** Sheet 2 of 2

VERIFIED 12-14-18