

CITY OF ALBUQUERQUE

Planning Department

Suzanne Lubar, Director



Mayor Richard L. Berry

January 20, 2016

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

**RE: Lot 3 Block 4 Unit 19 Volcano Cliffs Subd.
6548 Azor Ln NW
Request for Permanent C.O. - Accepted
Engineers Stamp Date 7/9/15 (D10D003T3)
Certification Dated: 1/19/16**

Dear Mr. Metro,

PO Box 1293

Based on the Certification received 1/20/2016, the above mentioned residence is acceptable for release of Certificate of Occupancy by Hydrology.

Albuquerque

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

New Mexico 87103

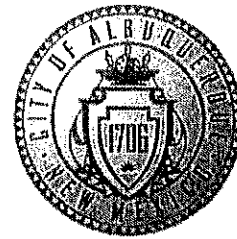
www.cabq.gov

Sincerely,

Abiel Carrillo, P.E.
Principal Engineer, Hydrology
Planning Department

RR/AC
C: File

CITY OF ALBUQUERQUE



July 29, 2015

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

RE: **Lot 3 Block 4 Unit 19 Volcano Cliffs**
6548 Azor Lane NW
Grading and Drainage Plan
Engineers Stamp Date 7/9/15 (D10D003T3)

Dear Mr. Metro,

Based upon the information provided in your submittal received 7/29/2015, 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 924-3999 or Rudy Rael at 924-3977.

New Mexico 87103

www.cabq.gov

Sincerely,

Shahab Biazar, P.E.
City Engineer, Albuquerque
Planning Department

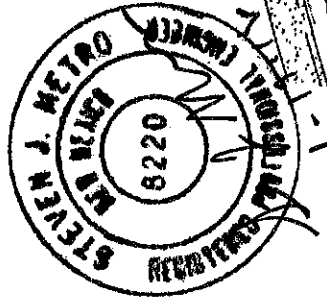
RR/SB
C: File

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 7-9-2015. 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 6548 Azor Lane, 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.

St J Metro 1-19-15
Steven J. Metro, NMPE 8220 and NMPS 10025



AZOR LANE, N.W.
(50' R/W)

Pond 1 Volume 70 cu ft

(100.00')
99.97

(N67°43'50"E)
N67°46'14"E

11.57
14.81

10' SIDEWALK

10' PUE

Future Block Wall

(S22°16'10"E)
S22°16'10"E

EXISTING CONTOUR
PROPOSED CONTOUR

LOT 4

(140.00')
139.91

N22°16'10"W
(N22°16'10"W)

LOT 2

Future Block Wall

139.98
(140.00')

Pond 2 Volume 330 cu ft

Q100 = 1.0 CFS
2-8"x12" Opening
Invert ~~17.7~~
16.4

Q100 = 1.5 CFS
2-8"x12" Opening
Invert ~~17.7~~
17.7

(S67°43'50"W)
S67°43'50"W
(100.00')

LOT 18

Future Block Wall

| LOT 3, BLOCK 4, UNIT 19 VCS | AREA LOT SF | SAD 228 | | TOTAL | | Q100 CFS / ACRE | | DRAIN TO | |
|--------------------------------|----------------|---------|-------|-------|------|--------------------|----------|-------------------|----------------------|
| | | % | DMP % | PROP. | DMP | ZONE 1 | Q100 CFS | REAR OF LOT SE | REAR LOT Q100 CFS |
| TYPE D | 4,400 | 31% | 50 | 0.44 | 0.70 | 4.37 | 0.44 | 2,200 | 0.22 |
| TYPE C | 8,200 | 59% | 40 | 0.54 | 0.37 | 2.87 | 0.54 | 3,000 | 0.20 |
| TYPE B | 1,400 | 10% | 10 | 0.07 | 0.07 | 2.03 | 0.07 | 1,500 | 0.07 |
| | 14000 | 100% | 100 | 1.05 | 1.14 | | 1.05 | 6,700 | 0.49 |



PREPARED BY STEVEN J. METRO, PE AND PS

GRADING & DRAINAGE PLAN
6548 Azor Lane, NW
LOT 3, BLOCK 4, UNIT 19 VCS

AS BUILT

Sheet 2 of 2

LOT 3, BLOCK 4, UNIT 19 VOLCANO CLIFFS SUBDIVISION

6548 Azor Lane, NW Grading & Drainage Certification

By Steven J. Metro, PE and PS

January ¹⁹14, 2016

**DRAINAGE CERTIFICATION WITH VERIFICATION BY ENGINEER OF RECORD
1-14-2016
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 7-9-2015. 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 6548 Azor Lane, 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.

 1-19-16
Steven J. Metro, NMPE 8220 and NMPS 10025



LOT 3, BLOCK 4 UNIT 19 VOLCANO CLIFFS SUBDIVISION

6548 Azor Lane, NW Grading & Drainage Certification

By Steven J. Metro, PE and PS

August 14, 2015

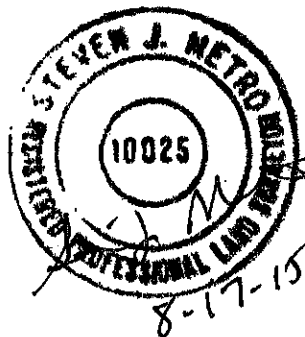
**DRAINAGE CERTIFICATION WITH VERIFICATION BY ENGINEER OF RECORD
8-14-2015
DRAINAGE CERTIFICATION**

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 7-29-2015. 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 6548 Azor Ln., 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 8-17-15
Steven J. Metro, NMPE 8220 and NMPS 10025



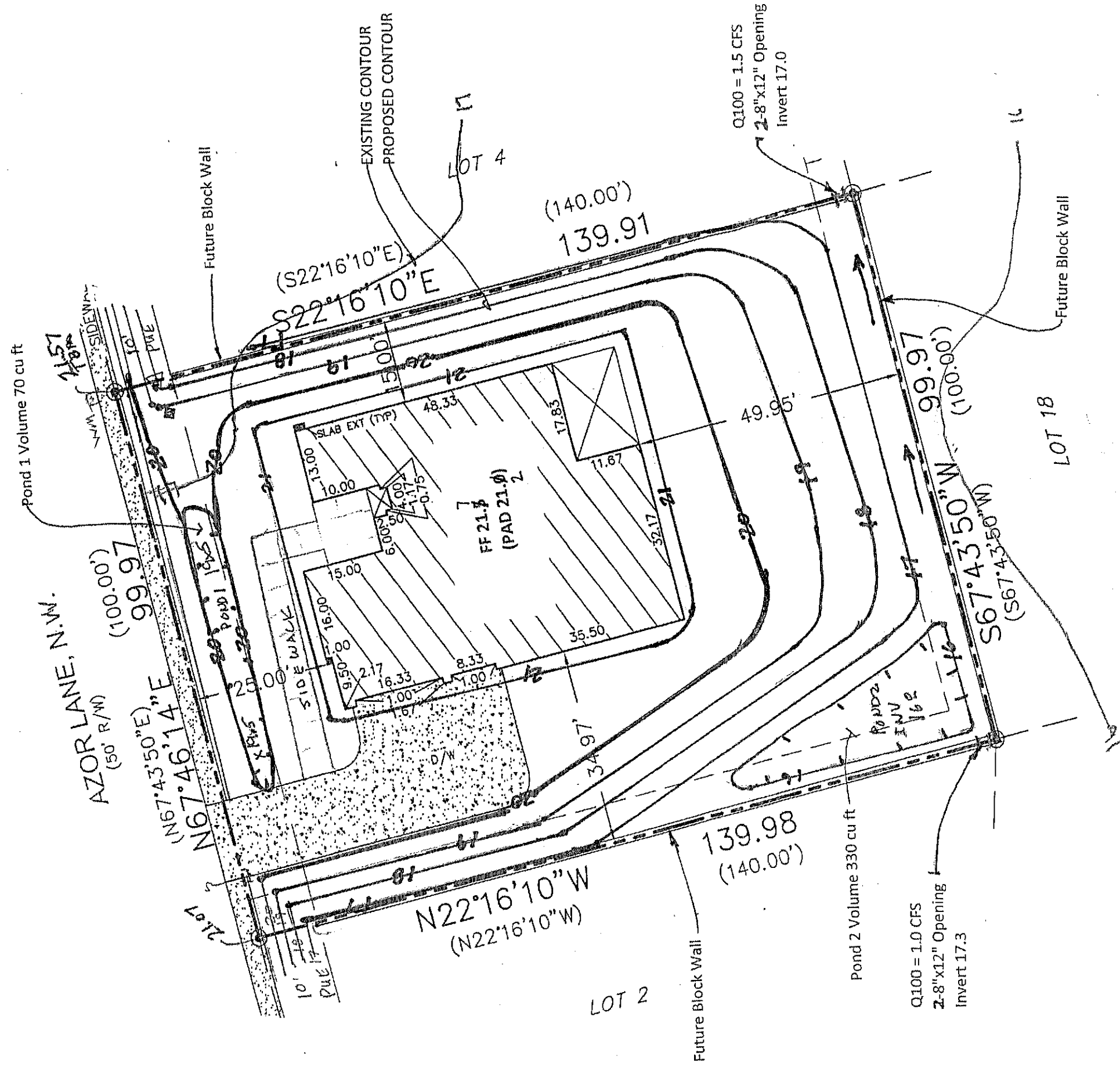


FIELD DENSITY TESTS
TROXLER 3400 SERIES
MOISTURE-DENSITY GAUGE

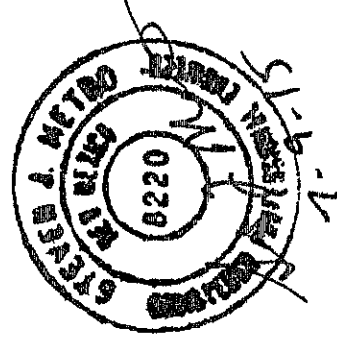
JOB NO: _____
PROJECT: SAD 228
CLIENT: _____
CONTRACTOR: _____

DATE: 14August15
TESTED BY: WIL
METER NO: 19640
SHEET 1 OF 1

| TEST NUMBER | | | | | | REMARKS |
|-----------------------|-------------------------|-------------------------|-------------------------|--|--|---------------------|
| % COMPACTION REQUIRED | 95.0 | 95.0 | 95.0 | | | Proctor = 125.4/9.0 |
| % MOISTURE REQUIRED | 9.0 | 9.0 | 9.0 | | | |
| DENSITY STUDY COUNT | 1127 | 768 | 788 | | | |
| MOISTURE COUNT | 82 | 75 | 90 | | | |
| MOISTURE | 5.9 | 5.2 | 6.6 | | | |
| % MOISTURE | 4.7 | 4.5 | 5.5 | | | |
| WET DENSITY | 130.5 | 117.5 | 118.9 | | | |
| DRY DENSITY | 124.7 | 120.8 | 125.5 | | | |
| % DRY DENSITY | 100.2 | 94.9 | 95.6 | | | |
| % VOIDS | | | | | | |
| % ASPHALT DENSITY | | | | | | |
| LOCATION/ELEVATION | Lot 1, Block 6, Unit 19 | Lot 4, Block 3, Unit 19 | Lot 3, Block 4, Unit 19 | | | |



| LOT 3, BLOCK 4, UNIT 19 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 | 4,400 | 31% | 4.37 | 0.44 | 0.70 | 2,200 | 2,200 | 0.22 |
| TYPE C | 8,200 | 59% | 2.87 | 0.54 | 0.37 | 3,000 | 3,000 | 0.20 |
| TYPE B | 1,400 | 10% | 2.03 | 0.07 | 0.07 | 1,500 | 1,500 | 0.07 |
| | 14,000 | 100% | | 1.05 | 1.14 | 6,700 | 6,700 | 0.49 |



PREPARED BY STEVEN J. METRO, PE AND PS

GRADING & DRAINAGE PLAN

6548 Azor Lane, NW

LOT 3, BLOCK 4, UNIT 19 VCS