CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



June 5, 2020

Donald Briggs, P.E.
Don Briggs Engineering LLC
5324 Oakledge Ct. NW
Albuquerque, New Mexico 87120

RE: Lot 25 Block 6 Unit 18 SAD 228
6519 Pato Rd. NW
Volcano Cliffs Subdivision
Grading and Drainage Plan
Engineers Stamp Date; 9/19/19 (D10D003M25)
Pad Certification Date; 10/8/19
C.O. Certification Date; 6/3/2020

PO Box 1293

Dear Mr. Briggs,

Based upon the information provided in your submittal received 6/5/2020, this plan cannot be approved for Certificate of Occupancy release until the following comments are provided.

Albuquerque

- Provide a new date for the changes to the plan.
- Provide the approved Pad Cert. language on the plan.

NM 87103

• Provide a statement that the plans are ready for CO.

If you have any questions, please contact me at 924-3999 or Rudy Rael at 924-3977.

www.cabq.gov

Sincerely,

Ernest Armijo, P.E.

Principal Engineer, Planning Dept. Development Review Services

RR/SB

C: File D10D003M25



City of Albuquerque

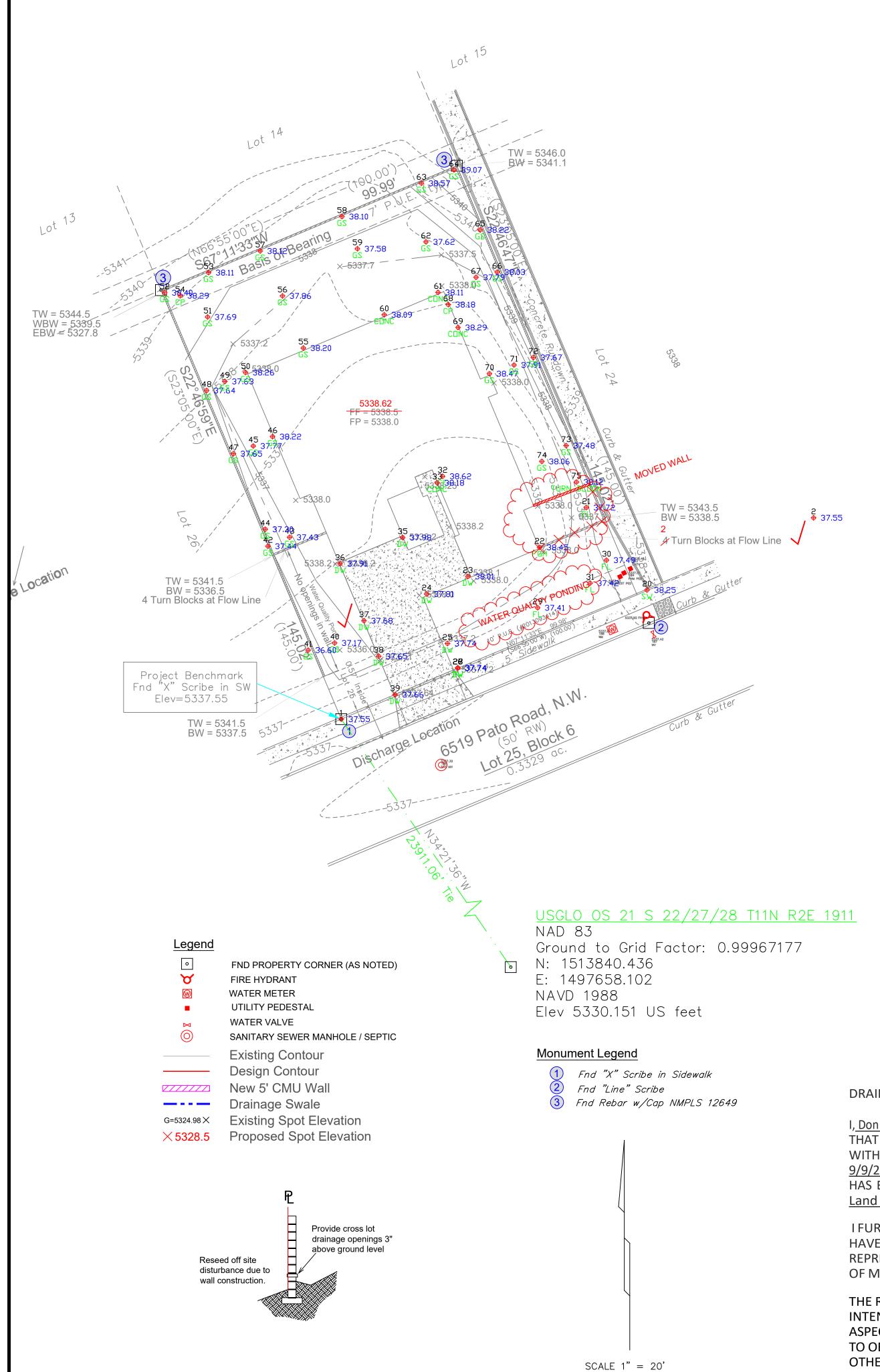
Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

| Project Title: | Building P | Permit #: | Hydrology File #: | | |
|--|-------------------------|---|---|--|--|
| DRB#: | EPC#: | | Work Order#: | | |
| Legal Description: | | | | | |
| City Address: | | | | | |
| Applicant: | | | Contact: | | |
| Address: | | | | | |
| | | | E-mail: | | |
| Owner: | | | Contact: | | |
| Address: | | | | | |
| | | | E-mail: | | |
| TYPE OF SUBMITTAL:PLA | Γ (# OF LOTS) | RESIDENCE | _ DRB SITE ADMIN SITE | | |
| IS THIS A RESUBMITTAL?: | Yes | No | | | |
| DEPARTMENT: TRAFFIC/ T | RANSPORTATION _ | HYDROLOG | Y/ DRAINAGE | | |
| Check all that Apply: TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTON CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE MASTER PLAN DRAINAGE REPORT FLOODPLAIN DEVELOPMENTON ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAY TRAFFIC IMPACT STUDY (TIEST) OTHER (SPECIFY) PRE-DESIGN MEETING? | PERMIT APPLIC OUT (TCL) | BUILI CERT PRELI SITE I SITE I FINAI SIA/ F FOUN GRAD SO-19 PAVII GRAD WORK CLOM FLOO | APPROVAL/ACCEPTANCE SOUGHT: DING PERMIT APPROVAL IFICATE OF OCCUPANCY IMINARY PLAT APPROVAL PLAN FOR SUB'D APPROVAL PLAN FOR BLDG. PERMIT APPROVAL RELEASE OF FINANCIAL GUARANTEE IDATION PERMIT APPROVAL DING PERMIT APPROVAL APPROVAL APPROVAL OF PERMIT APPROVAL | | |
| DATE SUBMITTED: | By: | | | | |

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED:____

FEE PAID:



DRAINAGE NARRATIVE

This grading & drainage plan was prepared to support a building permit application for a new residence located at 6519 Pato Rd. NW. A review of the City Hydrology records indicate development of this property is governed by the Drainage Report for SAD 228 (D10-D003). This report indicates allowable land treatment values of 0% A, 10% B, 40% C, and 50% D. If developed discharge rates exceed what is allowable using these land treatment values, mitigation measures will be required. This plan was prepared using the hydrology methodology presented in Chapter 22.2 of the City of Albuquerque's Development Process Manual (abbreviated method).

The site is a 0.33 acre parcel located in Precipitation Zone 1 and Floodzone X (Unshaded). It slopes from the east to the west at about 5%. The site accepts runoff from the property to the west.

The hydrology analysis indicates the developed conditions will not increase discharge rates over what is allowed so mitigation measures are not required. All onsite flows are directed to the front yard landscaping then to the street.

As water quality retention ponding was not provided with the construction of the subdivision, water quality ponding is required for this development. Water quality ponding is provided in the front yard landscaping.

NOTE:

- 1. Pad Certification is required prior to issuance of Building Permit.

 2. A final inspection by Hydrology is required before a Certificate of Occupant
- 2. A final inspection by Hydrology is required before a Certificate of Occupancy is released.
- 3. Provide openings in CMU wall 3" above ground to allow cross lot drainage.

GENERAL NOTES

Contractor is responsible for utility spots and controlling sediment deposition and erosion during construction.

A concrete washout bin must be provided as per City of Albuquerque MS4 Permit requirements.

All disturbed area due to construction must be reseeded or landscaped following construction.

| | | | | | logy Calculations 9 Pato Rd. NW | i | | |
|---|-------------------------------|---|----------------------------------|-------------------------------|------------------------------------|----------------------------|---------|----------------------|
| Precipitation 100 yr 6 hr St | | | | | | | | |
| Basin Area = 0.33 ac. Allowable - SAD 228 Master Drainage Plan | | 14501.124 sq ft | | | Determined by DB | | | |
| Allowable - 5. | AD 228 IVIAS | T Drainag | Excess | Unit Peak | | Peak | 1 | |
| Land Treatment | Percent | Area (ac.) | Precipitation (in.) | Discharge (cfs/ac.) | Runoff Volume (ac. Ft.) | Discharge (cfs) | | Comments |
| Α | 0.00% | 0.00 | 0.44 | 1.29 | 0.00 | 0.00 | | Natural Ground |
| В | 10.00% | 0.03 | 0.67 | 2.03 | 0.00 | 0.07 | | Landscaped Areas |
| С | 40.00% | 0.13 | 0.99 | 2.87 | 0.01 | 0.38 | | Compacted earth |
| D | 50.00% | 0.17 | 1.97 | 4.37 | 0.03 | 0.73 | | Impervious Areas |
| TOTAL | 100.00% | 0.33 | 1.45 | | 0.04 | 1.18 | | |
| | | | | | 1749.80 | cu ft | | |
| Proposed | | 0.33 | 3950 | 14501.124 | sq ft | Dools | Determ | ined by DB |
| Land Treatment | Percent | Area (ac.) | Excess Precipitation (in.) | Unit Peak Discharge (cfs/ac.) | Runoff Volume (ac. Ft.) | Peak Discharge (cfs) | | Comments |
| Α | 0.00% | 0.00 | 0.44 | 1.29 | 0.00 | 0.00 | | Natural Ground/Pond |
| В | 8.28% | 0.03 | 0.67 | 2.03 | 0.00 | 0.06 | | Landscaped Areas |
| С | 51.98% | 0.17 | 0.99 | 2.87 | 0.01 | 0.50 | | Compacted earth |
| D | 39.74% | 0.13 | 1.97 | 4.37 | 0.02 | 0.58 | | Impervious Areas |
| TOTAL | 100.00% | 0.33 | 1.35 | | 0.04 | 1.13 | | |
| 8 | 200 | | | | 1635.02 | cu ft | | |
| PONDING RE | QUIREMEN | Т = | | 1635.02 | -1749.80 | -114.78 | cuft. F | PONDING NOT REQUIRED |
| Water Qualit | y Potontion | Volumo | = 0.34" x | 5763.44 | saft = | 163.30 | cu ft. | |
| Water Qualit | · Commence of the commence of | | | 3703.44 | 3411 - | 162.35 | cu ft. | |
| water Quant | y Neterition | Volume Fit | ovided – | | | 102.33 | cure | |
| WATER QUAL | LITY POND \ | /OLUME | | | | | | |
| | AREA | AVE AREA | DEPTH | VOLUME | CUMULATIVE VOLUME | | | COMMENTS |
| ELEVATION | 7.03.273 | 200 200 200 200 200 200 200 200 200 200 | | | (cu ft) | | 1 | |
| ELEVATION (ft) | (sq ft) | (sq ft) | (ft) | (cu ft) | (cu it) | | | |
| | | | | | | | | |
| (ft) 5336.50 | (sq ft) 0.00 | (sq ft) 347.05 | (ft) 0.50 | (cu ft) | 173.53 | | | |
| (ft) | (sq ft) | | | | | | | |
| (ft) 5336.50 | (sq ft) 0.00 694.11 | | | | | | | |

DRAINAGE CERTIFICATION

I, Don Briggs, NMPE 14912, OF THE FIRM Don Briggs Engineering LLC , 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 9/9/2019. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY Andrew Medina , NMPS 12649, OF THE FIRM Sandia Land Surveying LLC .

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON <u>6/2/2020</u> AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND IS 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.



