## CITY OF ALBUQUERQ



Richard J. Berry, Mayor

April 17, 2017

Thomas D. Johnston, P.S., P.E. TGC Engineering 330 Louisiana Blvd NE Albuquerque, NM, 87108

RE: 5619 Cinder Cone Drive NW

> **Grading Plan Stamp Date: 4/11/17** Hydrology File: E10D030

Dear Mr. Johnston:

Based upon the information provided in your submittal received 4/12/2017, the Grading PO Box 1293

Plan is approved for Building Permit.

Please attach a copy of this approved plan in the construction sets for Building Permit processing. Prior to Certificate of Occupancy release, Engineer Certification per the DPM

checklist will be required.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov New Mexico 87103

Sincerely,

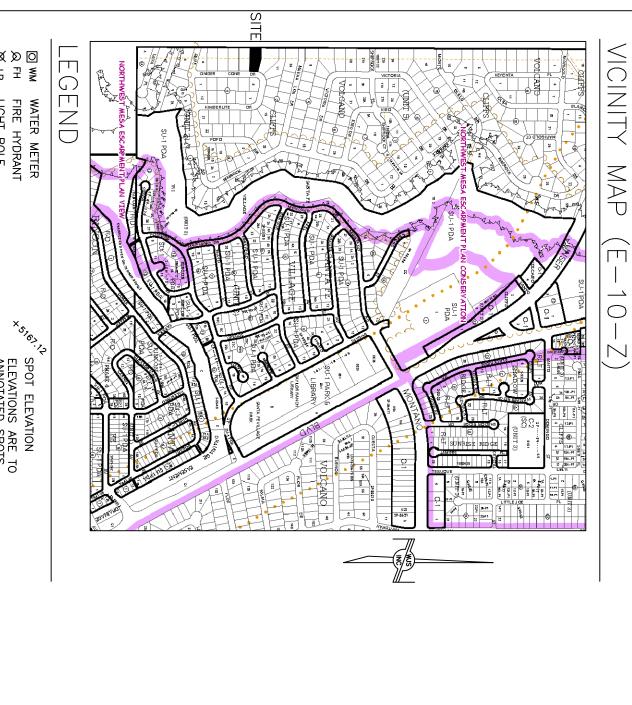
www.cabq.gov

Albuquerque

Reneé C. Brissette, P.E.

Renee C. Brissell

Senior Engineer, Hydrology Planning Department



 $\langle \triangleright \rangle$ 

THIS SITE LIES \
Condition F

EXISTING

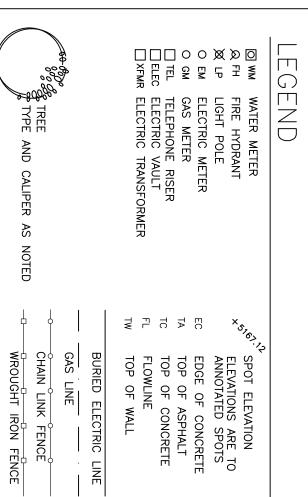
Period Table 4 (Years)

Precip. Table A-(in.)

ONSITE

HYDROLOGY

DRAINAGE CONCEPT FOR THIS SITE IS TO RETAIN THE FIRST FLUSH OF PRECIPITATION WITHIN THE LANDSCAPED AREAS.
ADDITIONAL PRECIPITATION SHALL FREE DISCHARGE THE EXCESS RUNOFF FROM IMPERVIOUS SURFACES VIA THE DRIVEWAY OPENING TO CINDERCONE DRIVE, NW AS IT HAS OCCURRED HISTORICALLY.



FT. INTERVALS

PROPOSED CONTOURS PROPOSED SPOT ELEVATION © 0.5'

⊕58.0 OF CONCRETE
OW LINE
P OF WALI
OF A

T T T T TOP OF TOP OF

LEGAL DESCRIPTION

Lot numbered Nine (9), in Block numbered Two (2) of VOLCANO CLIFFS UNIT 2, as the same is shown and designated on said plat filed in the office of the County Clerk of Bernalillo County, New Mexico on February 15, 1966 in Plat Book C6, Page 106.

FLOOD ZONE DESIGNATION

CONTRACTOR IS RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT ONTO ADJOINING PUBLIC RIGHTS—OF—WAY DURING CONSTRUCTION AND FOR THE REMOVAL OF ANY SEDIMENT DEPOSITED IN PUBLIC RIGHT—OF—WAY. SITE IS NOT SUBJECT TO NPDES CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR OR CONSTRUCTION. SWPPP REQUIREMENTS (DISTURBED AREA <

DRAINAGE

ALL ELEVATIONS GIVEN ARE TO ROOF DRAINAGE CONVEYED TO SWALES TOP 유 70 PROPOSED CAPTURE GRADE FIRST IN RETENTION PONDS

KEYED NOTES

SWALE, 1/2" TO 1' TO POND, o**,** DEPTH,

INSTALL 3" PVC PIPE WITH SCUPPERS TO ALLOW FLOW UNDER SIDEWALK POND, 82 cf, 1 FOOT DEPTH

POND, 43 cf, 0.75 FOOT DEPTH

SLOPES

ALL IMPROVEMENTS WITHIN CITY OF BY SO-19 PERMIT. Basis of elevatio TBM: #4 REBAR BENCH PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE PROVIDED FOR THE PURPOSE OF SHOWING FLOW ROUTING NOTICE It is hereby certified that this property is not located within a 100—year flood hazard boundary in accordance with current HUD Federal Administration Flood Hazard Boundary dated August 16, 2012. Zone X (No Flood Hazard) Panel 350002 0113 G.  $\overline{\bigcirc}$ MARK CONTRACTOR ALBUQUERQUE RIGHT OF TO FINISHED SURFACES WAY MUST BE CONSTRUCTED AND ARE

S T ( 6 0' 8 E E T, N. W. s t R. d. W. N 00° 00' 45" 108.2 LO  $\bigcirc$ SLOPE 5,619 CINDERCONE DRIVE, N.W. (6 0' R. O. W. )

THE FIRST FLUSH PRECIPITATION USED IS 0.34" (0.03') OF PRECIPITATION FOR ANY STORM. FIRST FLUSH RETENTION POND VOLUME = (0.03')  $\times$  IMPERVIOUS SURFACE IN sf.

FLUSH INFORMATION

FLOW RATE INCREASES OF 0.4 CFS AND 0.4 CFS FOR THE 100-YEAR AND 10 YEAR STORMS MAY BE EXPECTED. THE 6-HOUR RUNOFF VOLUMES WILL INCREASE BY 652 CUBIC FEET FOR THE 100-YEAR STORM.

TOTAL (DEV)

100 100 100

818.0 148.7 1,470.3 625.5

0.7 0.1 1.1 0.5

TOTAL (EXT)

DEVELOPED

100

22,308 0 0 22,308 0 11,903 6,224 0 4,181 11,903 6,224 0 4,181

0.44 0.67 0.99 1.97 0.08 0.22 0.44 1.24 0.67 0.67 0.08 0.08 0.08 0.02 0.08

818.0
0.0
0.0
0.0
148.7
0.0
0.0
0.0
436.4
347.5
0.0
686.4
79.4
114.1
0.0
432.0

10

10

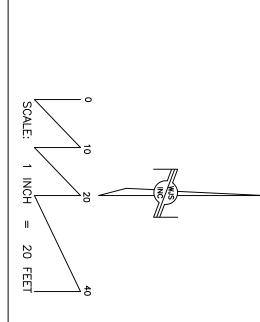
FIRST FLUSH VOLUME = 125 cf. THE WEST PONDING AREA WILL CARRY THE EAST PONDING AREA WILL CARRY

유유

OFFSITE FLOWS FROM ADJACENT PROPERTIES ARE NEGLIBLE.

OFFSITE

FLOW INFORMATION



## (17158)

I, THOMAS D. JOHNSTON, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 17158, DO HEREBY CERTIFY THAT I INSPECTED THIS SITE ON MARCH 15, 2017, AND THAT, AS OF THAT DATE, THERE HAD BEEN NO RECENT ALTERATION OF GRADE OR EVIDENCE OF GRADING OPERATIONS ON THIS SITE.

	J.
1	

5619 CINDERCONE	DRAINAGE AI	
NE DRIVE NW RESIDEN	ND GRADING P	
NCE	LAN	

4/11/17

JOHNSTON,

	$\perp$
7	
330 LOU	NGINEE
LOUISIANA	RING,
BLVD.	NC.
. · Z M	(505)266-7 Fax: (505)
	7256 255—2887

SHEE ALBUQUERQUE, NM 87108 N 0:

 $\bigcirc$ 

Z . DESIGN DATE: 4/11/2017 REVISION: N/A CITY PROJECT E10/