CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



August 6, 2018

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

RE: 1422 Van Cleave Road NW

Grading and Drainage Plan

Engineer's Stamp Date: 06/27/18

Engineer's Certification Date: 08/06/18

Hydrology File: G13D034

Dear Mr. Johnston:

PO Box 1293

Based upon the information provided in your Certification and site photos received 08/06/18, the above referenced Certification is acceptable for Building Pad Certification for 1422 Van Cleave Road NW.

Albuquerque

As a reminder, prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required and a formal Elevation Certificate needs to be submitted to Hydrology. Also, please provide a Private Facility Drainage Covenant per Chapter 17 of the DPM for retention ponds prior to Permanent Release of Occupancy. Please submit this on the 4th floor of Plaza de Sol. A \$25 fee will be required.

www.cabq.gov

NM 87103

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

Sincerely,

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology

Renée C. Brissette

Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 1422 VAJ CLEAVE	pject Title: 1422 VAN CLEAVE NWBuilding Permit #:		Hydrology File #: 413/D034	
DRB#:	EPC#:		Work Order#	
Legal Description: LOT 19, BU	OCK 2. FR	SURLIN ADD	TICM	
City Address: 1902 VAD Ci	ELVE NU	ALBUQ FREE	NM 87/07	
Applicant: TGCENINEERI Address: 1609 2mo STA Phone#: 505, 266-7256	M LIBURI	FLOVE NM	Contact: THOMAS JOHNSTIN	
Other Contact:				
Phone#:	Fax#:		E-mail:	
TYPE OF DEVELOPMENT: PL				
Check all that Apply:	•	•		
GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERM ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (T TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING?	JUL 3 0 2018 AND DEVELOPMENT SE TCL)	BUILDING PERM CERTIFICATE O PRELIMINARY F SITE PLAN FOR FINAL PLAT AP GHON SIA/ RELEASE C FOUNDATION PE GRADING PERM SO-19 APPROVA PAVING PERMIT GRADING/PAD WORK ORDER AP CLOMR/LOMR	PLAT APPROVAL SUB'D APPROVAL BLDG. PERMIT APPROVAL PROVAL OF FINANCIAL GUARANTEE ERMIT APPROVAL IIT APPROVAL CERTIFICATION PROVAL EVELOPMENT PERMIT	
IS THIS A RESUBMITTAL?: Yes \rightarrow DATE SUBMITTED: $\frac{7/30/18}{}$		s following		
COA STAFF:		MITTAL RECEIVED:		

FEE PAID:_



330 LOUISIANA BLVD. NE - ALBUQUERQUE, NM 87108-2062 (505) 266-7256 Fax: (505) 255-2887 - email: TGCENGINEERING.@aol.com

July 24, 2018

City of Albuquerque 600 2nd Street NW Plaza Del Sol Building Albuquerque, NM 87102

RE: Pad Certification, 1422 Van Cleave NW, G13/D034

To Whom It May Concern:

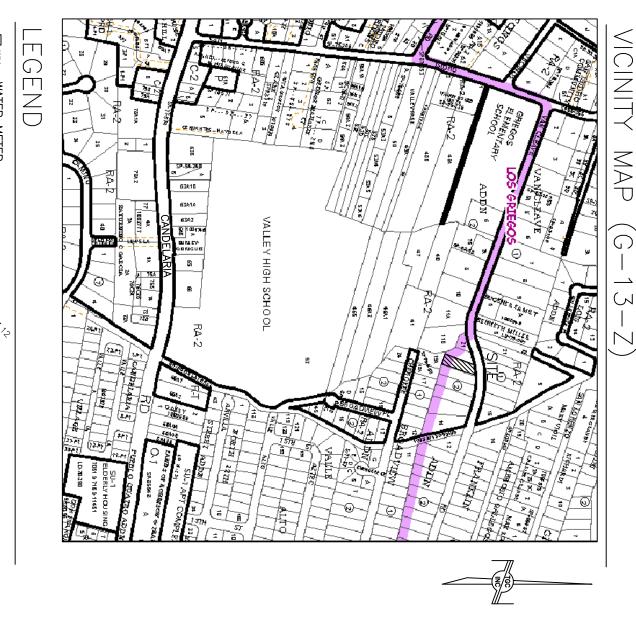
Wayjohn Surveying Inc. has measured the building pad at 1422 Van Cleave Road NW, and it has been determined that the elevation of the building pad is in compliance with the grading and drainage plan dated June 27, 2018. I hereby certify the building pad in compliance with said grading and drainage plan.

Thank you for your time in considering this matter. If you have any questions, please give me a call at the above number.

Thomas Johnston, PE

Principal

TGC Engineering, Inc.



O O X D O X FEEC O M M WATER METER
FIRE HYDRANT
LIGHT POLE
ELECTRIC METER
GAS METER
TELEPHONE RISER
ELECTRIC VAULT
R ELECTRIC TRANSFORMER TA TA SPOT ELEVATION
ELEVATIONS ARE TO ANNOTATED SPOTS
EDGE OF CONCRETE
TOP OF ASPHALT
TOP OF CONCRETE
FLOWLINE OF WALL

SWALE CROS

SCALE

-SECTION

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Z.X.

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ONSITE

HYDROLOGY

DRAINAGE CONCEPT THE DRAINAGE CONCEPT FOR THIS SITE RUNOFF FOR FLAT GRADING SCHEME.

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TO RETAIN EXCESS

DRAINAGE DATA

THIS SITE LIES WITHIN PRECIPITATION ZONE 2
Condition Return Treatment Area
Table 4 Type (sq. ft.)
(Years)
EXISTING 100 A 0
R 12,910

o,

GAS LINE WROUGHT IRON FENCE CHAIN LINK FENCE RIED ELECTRIC LINE

-5430-INDEX CONTOURS **◎**1 FT. **@**0.5 FT. INTERVALS

⊕7².5 TOP OF TOP OF OF CONCRETE
W LINE
OF WALL
OF ASPHALT PROPOSED CONTOURS @ 0.5' PROPOSED SPOT ELEVATION INTERVALS

T T T C

Lot numbered Nineteen (19), in Block numbered Two (2) of the FRANKLIN ADDITION, as the same is shown and designated on said plat filed in the office of the County Clerk of Bernalillo County, New Mexico on May 8, 1946 in Plat Book C1, Page 7. LEGAL DESCRIPTION

FLOOD ZONE DESIGNATION

is hereby certified that this property is not located within a 100—year flood hazard nundary in accordance with current FIRM Map Number 3500020118G dated September 2000.

Basis of elevations: ACS STATION "10-G13A" NAVD 88 TBM: TOP OF WATER METER NEAR NORTHWEST CORNER T

MSL ELEVATION: 4970.872 OF PROPERTY MSL: 4971.81

BENCH

MARK

PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE PROVIDED FOR THE PURPOSE OF SHOWING FLOW ROUTING NOTICE CONTRACTOR TO FINISHED SURFACES AND ARE

CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY GRADING OR CONSTRUCTION. 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 SWPPP REQUIREMENTS (DISTURBED AREA < ACRE).

NO WORK SHALL BE PERFORMED IN THE

PUBLIC ROW WITHOUT AN EXCAVATION

PERMIT.

DRAINAGE NOTES:

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

KEYED NOTES

<u>_</u> SWALE, 6" DEPTH, 3:1 SIDE SLOPES

POND 1, 30 FEET X 35 FEET WITH 2:1 SLOPE, 928 cf, FOOT DEPTH

(2) POND 2, 25 FEET X 25 FEET WITH 2:1 SLOPE, 533 cf, 1 FOOT DEPTH

PERMANENT PERIMETER WALL TO CONTAIN 100 YEAR, 24 HOUR STORM DEVELOPED RUNOFF

BROADVIEW ADDITION 4 0 0 0 7 NOTE: SLAB THICKNESS TOP OF PAD = 72.67

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.

FIRST

FLUSH INFORMATION

4971.

.45

REQUIRED RETENTION POND VOLUME: 1424.88 CF. PROVIDED RETENTION POND VOLUME: 1461 CF.

RETENTION POND

INFORMATION

OFFSITE FLOWS FROM ADJACENT PROPERTIES ARE NEGLIBLE.

OFFSITE

FLOW INFORMATION

FLUSH VOLUME = 132 cf. PONDING AREAS WILL CARRY

1,461

cf.

FLOW RATE INCREASES (100-YR) = 0.3 CFS FLOW RATE INCREASES (10-YR) = 0.3 CFS 6-HOUR RUNOFF INCREASE (100-YR) = 589.1 CU. FT. 6-HOUR RUNOFF INCREASE (10-YR) = 458.7 CU. FT. 100 YEAR 24 HOUR RUNOFF: 2,482.92 CF. 100 YEAR 10 DAY RUNOFF: 2949.88 CF 100 YEAR 10 DAY STORM WATER SURFACE ELEVEATION:

TOTAL (DEV)

DEVELOPED

100

0 12,910 0 0 12,910 0 12,910 0 0 5,892 2,359 4,659 4,659

0.53 0.78 1.13 2.12 0.13 0.28 0.52 1.34 0.53 0.78 1.13 0.28 0.53

0.0 839.2 0.0 0.0 0.0 301.2 0.0 0.0 0.0 383.0 222.1 823.1 0.0 137.5 102.2

Table A-5 (cfs/ac) 1.56 2.28 3.14 4.70 0.38 0.95 1.71 3.14 1.56 2.28 3.14 4.70 0.38 0.95 1.71 3.14 1.70 0.38 0.95 1.71 3.14 4.70 0.38 0.95 1.71

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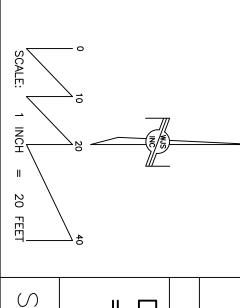
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Johnston, NMPE 17158, of the firm of TGC ENGINEERING INC. nat this project has been graded and will drain in oliance with and in accordance with the design intent of the lated June 27, 2018. The record information edited onto Ign document has been obtained by Thomas D. Johnston, the firm of WAYJOHN SURVEYING INC. I further certify sonally visited the project site on July 13, 2018 and have isual inspection that the survey data provided is and belief. This certification is true and correct to the best e and belief. This certification is submitted in support of a certification acceptance.

The provided is true and correct to the best endition acceptance. t necessarily complete and of the grading and drainage record document are advised cy before using it for any



8/6/2018



(17158) METO ON THE NO. 19

I, THOMAS D. JOHNSTON, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 17158, DO HEREBY CERTIFY THAT I INSPECTED THIS SITE ON MAY 4, 2018, AND THAT, AS OF THAT DATE, THERE HAD BEEN NO RECENT ALTERATION OF GRADE OR EVIDENCE OF GRADING OPERATIONS ON THIS SITE.

6/27/18 ᄓ JOHNSTON, NMPE . O

DRAINAGE AND GRADING \geq

X X X ROAD Z × RESIDENCE

ENGINEERING, INC. (505)266-7256 -2887

ALBUQUERQUE, BLVD. NE NM 87108

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DESIGN DATE: 5/18/2018 CITY PROJECT G13/D034

REVISION: 6/27/2018