

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

July 11, 2023

David Thompson, PE
Thompson Engineering Consultants, Inc.
PO Box 65760
Albuquerque, NM 87193

RE: 1719 5th St. NW
Permanent C.O. – Accepted
Engineer's Certification Date: 07/07/23
Engineer's Stamp Date: 02/13/22
Hydrology File: H14D100

Dear Mr. Thompson:

PO Box 1293
Albuquerque
NM 87103

Based on the Certification received 07/07/2023 and site visit on 07/10/2023, this letter serves as a “green tag” from Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

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

Sincerely,

www.cabq.gov

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



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

TYPE OF SUBMITTAL: _____ PLAT (____# OF LOTS) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL?: _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE MASTER PLAN
- _____ DRAINAGE REPORT
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ 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: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

SPECIAL ORDER 19 NOTES

Private Drainage Facilities within City Right-of-Way Notice to Contractor (Special Order 19 ~ "SO-19")

1. Build sidewalk culvert per COA STD DWG 2236. Work is permitted and inspected by DMD Construction Services Division.

2. An excavation permit will be required before beginning any work within City Right-Of-Way.

3. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.

4. Prior to any excavation, the contractor must contact New Mexico One Call, dial "811" [or (505) 260-1990] for the location of existing utilities.
5. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.

6. Backfill compaction shall be 95%.

7. Maintenance of the facility shall be the responsibility of the owner of the property being served.

8. Work on arterial streets may be required on a 24-hour basis.

9. For excavation and barricading inspections, contact DMD Construction Services Division.



SURVEYOR'S CERTIFICATION:

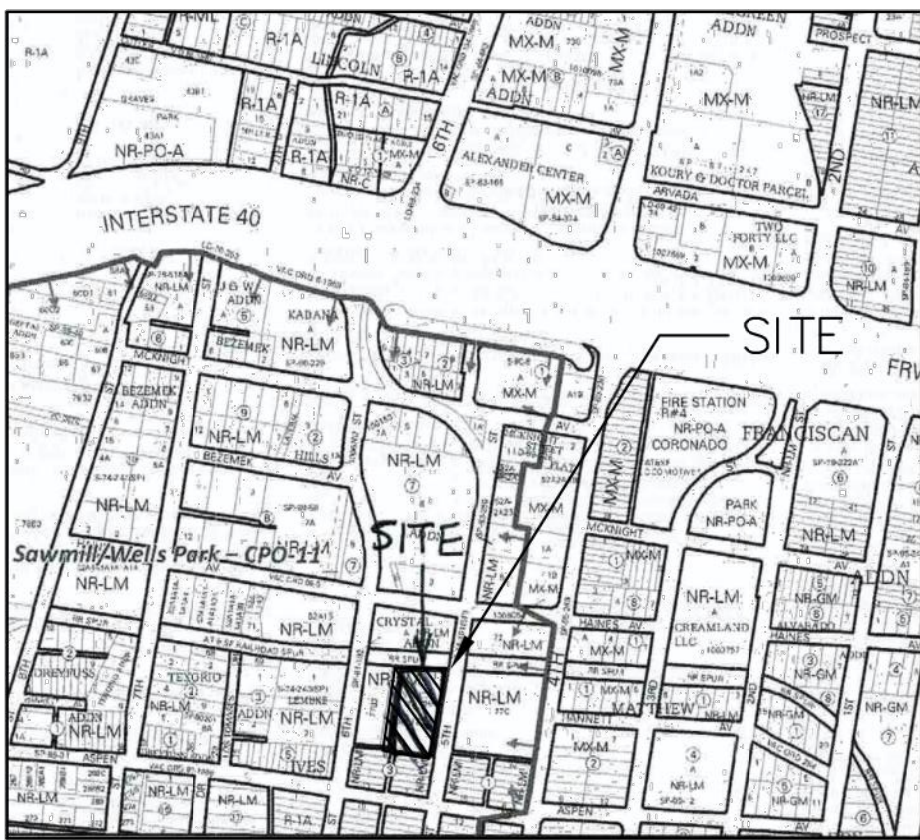
I, CHRISTOPHER A. MEDINA, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15702, DO HEREBY CERTIFY THAT THIS AS-BUILT SURVEY AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION; THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND IS CORRECT AND TRUE TO THE BEST OF MY BELIEF AND KNOWLEDGE.

Christopher A. Medina
CHRISTOPHER A. MEDINA, NMPLS NO. 15702

JUNE 8, 2023
DATE

R/W KEYED NOTES

- A. REMOVE EXISTING DRIVEPAD AND INSTALL NEW STD CURB & GUTTER AND NEW 6' PUBLIC SIDEWALK AS SHOWN PER COA STD DWGS 2415A, 2430, AND 2432.
- B. INSTALL NEW 25'-WIDE CONCRETE DRIVEPAD PER COA STD DWG 2425.
- C. INSTALL NEW 12"-WIDE SIDEWALK CULVERT PER CITY STD DWG 2236.
- D. EXISTING CURB & GUTTER TO REMAIN.



VICINITY MAP

H-14-Z

LEGEND

- EXISTING CONSTRUCTION
- NEW CONTOUR
- PROPOSED BUILDING FINISH FLOOR ELEV
- NEW SPOT ELEVATION
- NEW CONSTRUCTION
- RD ROOF DRAIN
- TC TOP OF CURB

DRAINAGE ANALYSIS

ADDRESS: 1715 5th Street NW, Albuquerque, NM

LEGAL DESCRIPTION: TRACTS 1 & 2, LANDS OF DEVEREUX & WATSON and Lots 1-5 to the south

SITE AREA: 75,974 SF (1.74 acre)

BENCHMARK: City of Albuquerque Station '17-114' being a brass cap with ELEV= 4957.484 (NAVD 1988)

SURVEYOR: CSI-Cartesian Surveys Inc. dated January, 2021

PRECIPITATION ZONE: 2

FLOOD HAZARD: From FEMA Map 35001C0332G (8/16/12), this site is identified as being within Zone 'X' which is determined to be outside the 0.2% annual chance floodplain.

OFFSITE FLOW: There is no offsite flow that enters this site.

EXISTING CONDITIONS: The site is a developed commercial site that is flat but slopes down slightly to the south and discharges to 5th Street. One of the two commercial buildings has recently been demolished. There is an existing 13,900 SF building with existing asphalt paving.

PROPOSED IMPROVEMENTS: The proposed 2,900 SF building addition will be attached to the existing building with patio areas between. The added roof area will slope to the east side of the building. The new asphalt parking will be sloped to direct surface runoff to depressed landscape areas as shown. A new building is also proposed at the south end of the site as shown.

DRAINAGE APPROACH: The site drainage pattern will follow historic conditions with the incorporation of the onsite retention ponds for the SWQ volume.

Existing land treatment: 18% C and 82% D Precipitation Zone: 2
 $Q = [(1.18)(3.14) + (0.82)(4.7)](1.74) = 7.7 \text{ CFS}$

Proposed land treatment: 5% B, 9% C and 86% D
 $Q = [(0.05)(2.28) + (0.09)(3.14) + (0.86)(4.70)](1.74) = 7.8 \text{ CFS}$

Redeveloped SWQ $V = (51,200)(0.26/12) = 1,109 \text{ CF}$
The proposed retention storage areas will provide:
 $V = 350 + 390 + 240 + 360 = 1,340 \text{ CF} \quad (1340 > 1109 \text{ OK})$

Weir $Q = CLH^{2/3} = (2.7)(1.0)(0.67)^{2/3} = 2.0 \text{ CFS}$

DRAINAGE CERTIFICATION

I, DAVID B. THOMPSON, NMPE 9677, OF THE FIRM THOMPSON ENGINEERING CONSULTANTS, INC., HEREBY CERTIFY THAT THE CLOUDED AREA SHOWN ON THIS PLAN HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11-18-22. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY CHRISTOPHER MEDINA, NMPS 15702. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 7-4-23 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. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR 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.

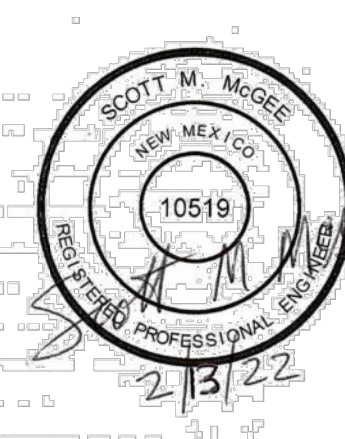
DAVID B. THOMPSON, NMPE 9677
JULY 7, 2023
DATE



GRADING AND DRAINAGE PLAN

1" = 20'

0 20' 40'



Scott M McGee

9700 Tanoan Dr NE
Albuquerque, NM 87111
505.263.2905
scottmmcgee@gmail.com

