

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

April 23, 2021

Scott McGee, PE  
Scott M. McGee PE, LLC  
9700 Tanoan Dr. NE  
Albuquerque, NM 87111

**Re: 10020 Central Ave. SE  
Request for Certificate of Occupancy - Permanent  
Hydrology Final Inspection –Approved  
Grading and Drainage Plan Stamp Date: 4/27/20  
Certification dated: 4/22/21  
Drainage File: L20D073**

Dear Mr. McGee,  
PO Box 1293 Albuquerque NM 87103  
Based on the submittal received 4/22/21 and inspection on 4/23/21 this certification is approved for Permanent Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3986 or [earmijo@cabq.gov](mailto:earmijo@cabq.gov).

Sincerely,

NM 87103

Ernest Armijo, P.E.  
Principal Engineer, Planning Dept.  
Development Review Services  
www.cabq.gov



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2018)

**Project Title:** \_\_\_\_\_ **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_

**Legal Description:** \_\_\_\_\_

**City Address:** \_\_\_\_\_

**Applicant:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**TYPE OF DEVELOPMENT:** \_\_\_\_\_ 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:**

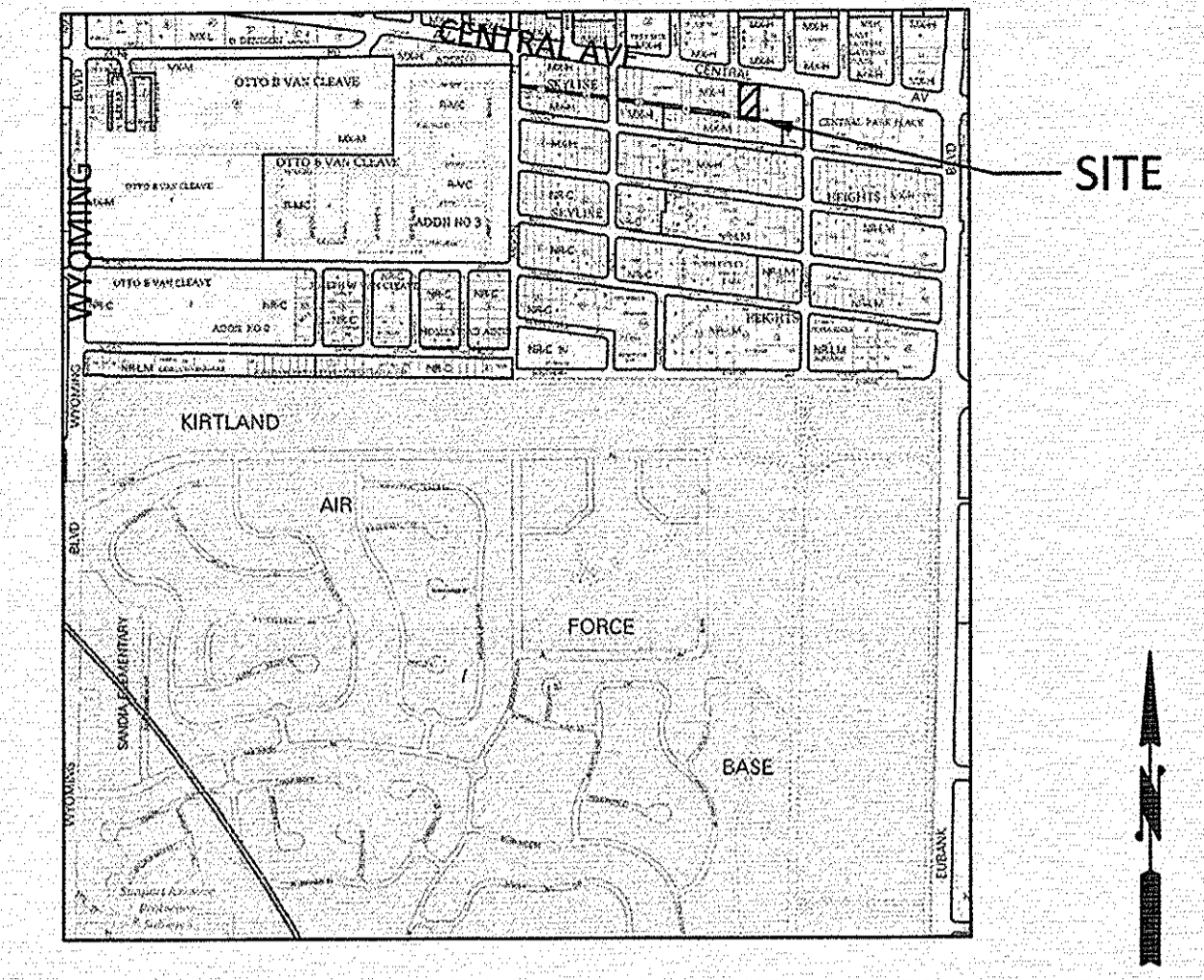
- \_\_\_\_\_ BUILDING PERMIT APPROVAL
- \_\_\_\_\_ CERTIFICATE OF OCCUPANCY
- \_\_\_\_\_ PRELIMINARY PLAT APPROVAL
- \_\_\_\_\_ SITE PLAN FOR SUB'D APPROVAL
- \_\_\_\_\_ SITE PLAN FOR BLDG. PERMIT APPROVAL
- \_\_\_\_\_ FINAL PLAT APPROVAL
- \_\_\_\_\_ SIA/ RELEASE OF FINANCIAL GUARANTEE
- \_\_\_\_\_ 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: \_\_\_\_\_



VICINITY MAP L-20-Z

**LEGEND**

	EXISTING CONSTRUCTION
	NEW CONTOUR
FF=5451.00	PROPOSED BUILDING FINISH FLOOR ELEV
	NEW SPOT ELEVATION
	NEW CONSTRUCTION
	RD ROOF DRAIN
TC	TOP OF CURB
	AS-BUILT ELEVATION

**DRAINAGE ANALYSIS**

ADDRESS: 10020 Central Avenue SE, Albuquerque, NM

LEGAL DESCRIPTION: LOT 5A, BLOCK 5, SKYLINE HEIGHTS

SITE AREA: 25,095 SF (0.576 acre)

BENCHMARK: City of Albuquerque Station '5-K20' being a brass cap with ELEV= 5429.995 (NAVD 1988)

SURVEYOR: Cartesian Surveys Inc. dated April, 2016

PRECIPITATION ZONE: 3

FLOOD HAZARD: From FEMA Map 35001C0358H (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 an existing paved and gravel parking area and xeric landscaping. The site is fairly flat but slopes down to the west side with partial discharge to Central Avenue.

PROPOSED IMPROVEMENTS: The proposed 1500 SF commercial building will be a drive-thru fast food restaurant with paved parking. The building roof will drain to the paved areas surrounding the building.

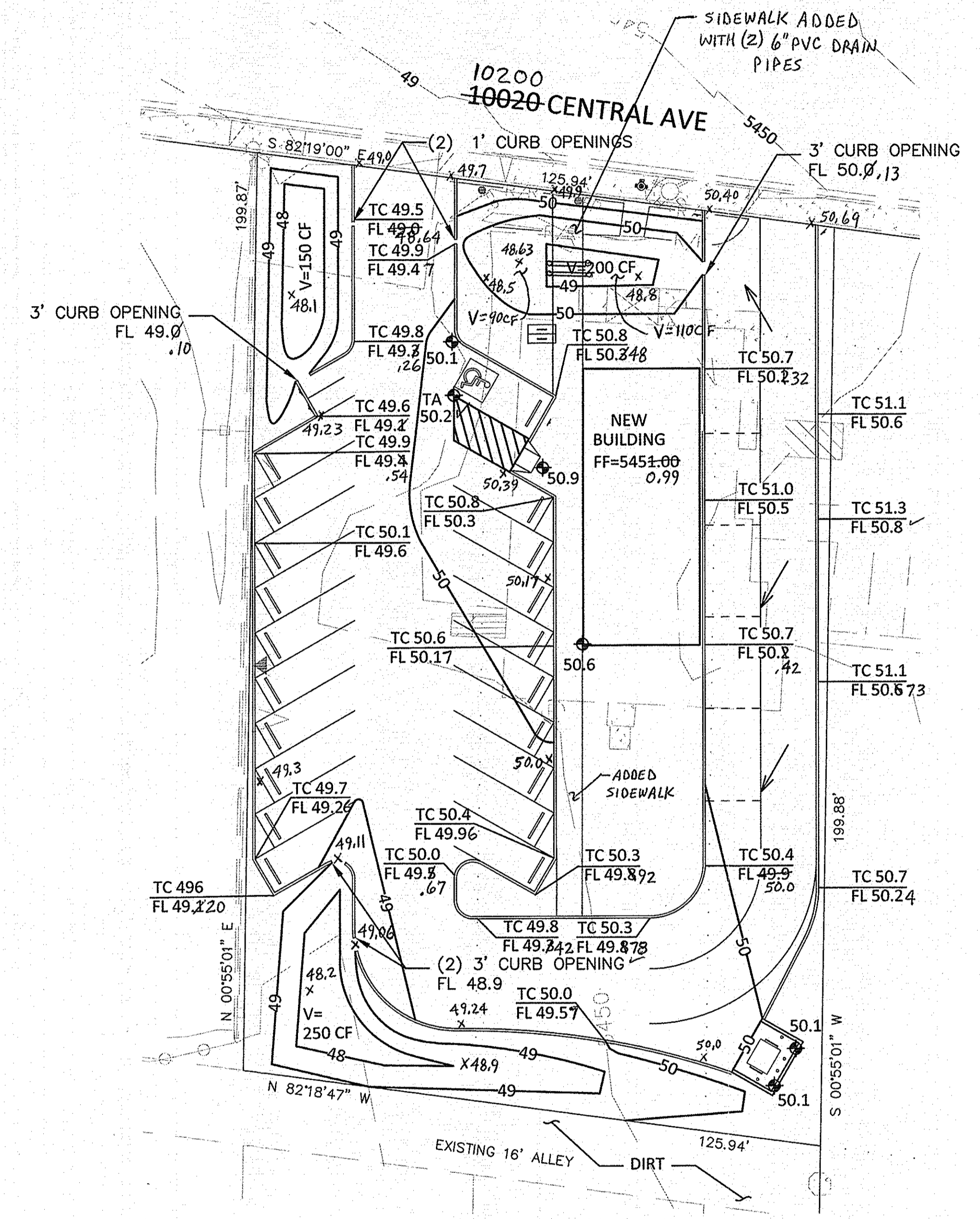
DRAINAGE APPROACH: The site drainage pattern will follow historic conditions with the incorporation of onsite retention ponds for the first flush volume.

Existing land treatment: 62% C and 38% D Precipitation Zone: 3  
 $Q = [(0.62)(3.14) + (0.38)(4.70)](0.576) = 2.15$  CFS

Proposed land treatment: 28% C and 72% D  
 $Q = [(0.28)(3.14) + (0.72)(4.70)](0.576) = 2.5$  CFS

SWQ V= (18,068)(0.34/12) = 512 CF

The proposed onsite retention storage area will provide V= 600 CF.  
 (600 > 512 -- OK)



**GRADING AND DRAINAGE PLAN**  
 1" = 20'  
 0 20' 40'

**CURB CUT CAPACITIES**

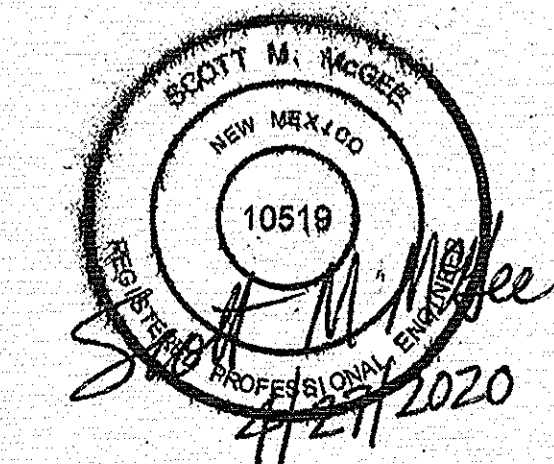
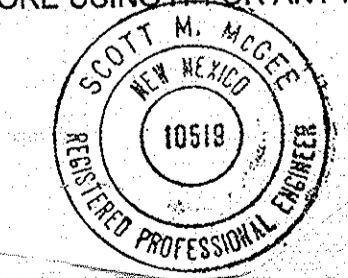
For curb cuts -- Weir Equation:  $Q = CLH^{3/2}$   
 1' wide:  $Q = (2.7)(1.0)(0.353) = 0.95$  CFS  
 3' wide:  $Q = (2.7)(3.0)(0.353) = 2.8$  CFS

**DRAINAGE CERTIFICATION**

I, SCOTT M MCGEE, NMPE 10519, OF THE FIRM SCOTT M MCGEE PE, LLC, HEREBY CERTIFY THAT THIS SITE HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 4/27/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL PLAN WAS OBTAINED BY BRIAN J MARTINEZ, NMPLS # 18374, OF CARTESIAN SURVEYS. I ALSO CERTIFY THAT I PERSONALLY VISITED THE PROJECT SITE ON 4/21/21 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 A PERMANENT CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION SHOWN HEREON IS NOT NECESSARILY COMPLETE AND IS ONLY INTENDED TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING/ DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT ACCURACY VERIFICATION BEFORE USING IT FOR ANY PURPOSE.

*Scott M McGee* 4/22/21  
 SCOTT M MCGEE, NMPE 10519



**10020 CENTRAL AVE SE**

**GRADING & DRAINAGE PLAN C100**

**Scott M McGee PE**

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 Albuquerque, NM 87111  
 505.263.2905  
 scottmmcgee@gmail.com