

# CITY OF ALBUQUERQUE

*Planning Department*  
Alan Varela, Director



*Mayor Timothy M. Keller*

May 23, 2022

Raymond J. Smith, P.E.  
Souder, Miller & Associates  
5454 Venice Ave. NE, Ste D  
Albuquerque, NM 87113

**Re: Bueno Foods**  
**2115 2<sup>nd</sup> St. SW**  
**Request for Certificate of Occupancy - Permanent**  
**Original Grading and Drainage Plan Stamp Date: 6/30/21**  
**Certification dated: 5/12/2022**  
**Drainage File: L14D001A**

Dear Mr. Smith,

PO Box 1293

Based on the Certification received 5/16/22 and site visit 5/20/22, this certification is approved in support of Permanent Certificate of Occupancy by Hydrology.

Albuquerque

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

NM 87103

Sincerely,

[www.cabq.gov](http://www.cabq.gov)

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



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

**Project Title:** Bueno Foods Freezer Expsion **Building Permit #:** BP-2021-15703 **City Drainage #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** TR CA-1-A PLAT OF TRS CA1A, CA1B & CA1C MUNICIPAL ADDN #6 CONT 9.6717 AC M/L OR 421,299 SQ FT M/L  
**City Address:** 2115 2ND STREET SW, ALBUQUERQUE, NM 87102

**Engineering Firm:** SAUDER, MILLER & ASSOCIATES **Contact:** RAYMOND J. SMITH, P.E.  
**Address:** 5454 Venice Avenue NE, Suite D Albuquerque, NM 87113  
**Phone#:** (505) 595-7748 **Fax#:** (505) 293-3430 **E-mail:** Raymond.Smith@soudermiller.com

**Owner:** El Encanto - Bueno Foods **Contact:** GENE BACCA  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Architect:** \_\_\_\_\_ **Contact:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** \_\_\_\_\_ **Contact:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

Check all that Apply:

**DEPARTMENT:**

☒ HYDROLOGY/ DRAINAGE  
☐ TRAFFIC/ TRANSPORTATION  
☐ MS4/ EROSION & SEDIMENT CONTROL

**TYPE OF SUBMITTAL:**

☐ ENGINEER/ ARCHITECT CERTIFICATION  
☐ CONCEPTUAL G & D PLAN  
☒ GRADING PLAN  
☐ DRAINAGE MASTER PLAN  
☐ DRAINAGE REPORT  
☐ CLOMR/LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ TRAFFIC IMPACT STUDY (TIS)  
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)  
☐ OTHER (SPECIFY) \_\_\_\_\_

**CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:**

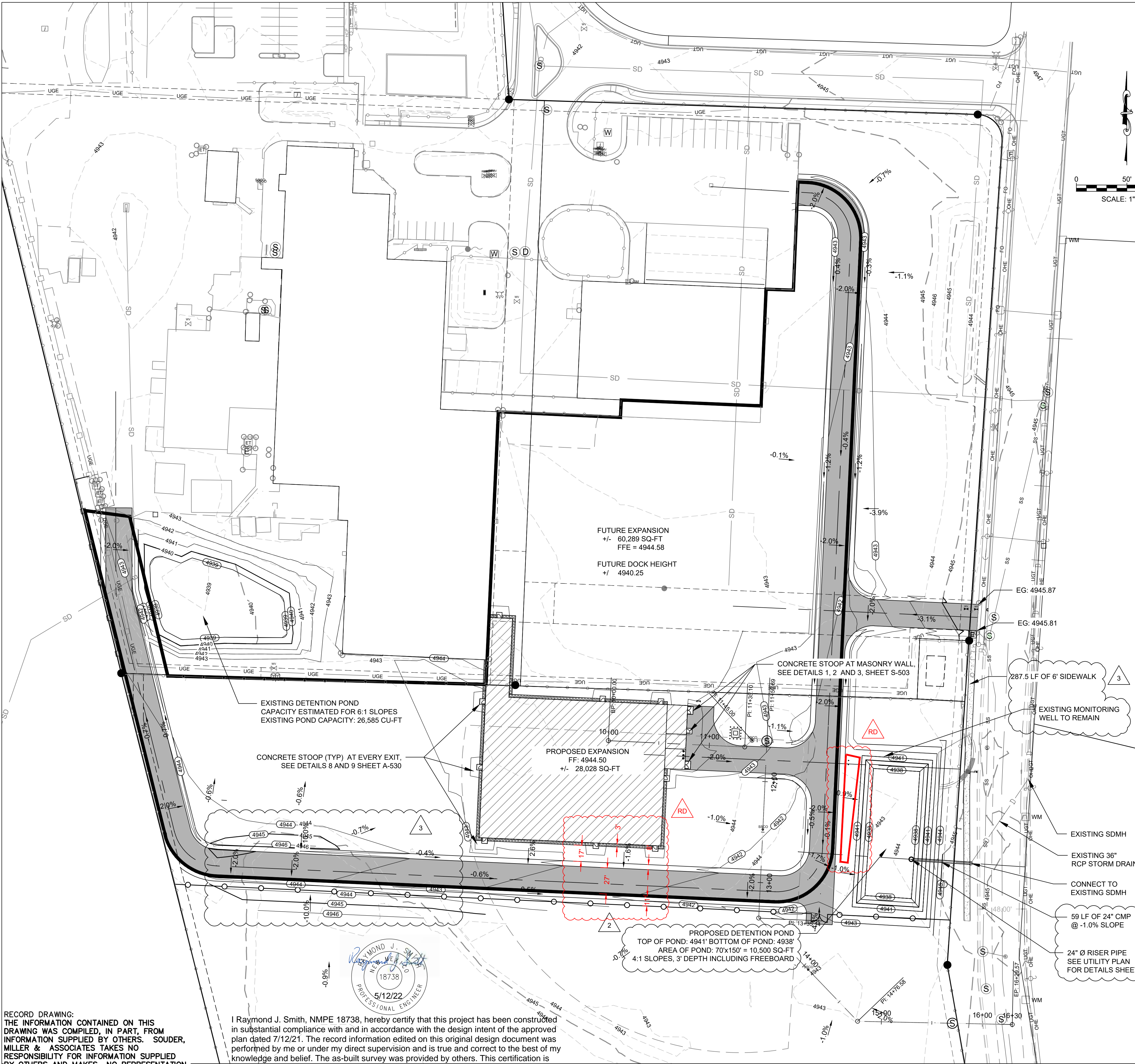
☐ BUILDING PERMIT APPROVAL  
☒ CERTIFICATE OF OCCUPANCY  
☐ PRELIMINARY PLAT APPROVAL  
☐ SITE PLAN FOR SUB'D APPROVAL  
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL  
☐ FINAL PLAT APPROVAL  
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE  
☐ FOUNDATION PERMIT APPROVAL  
☐ GRADING PERMIT APPROVAL  
☐ SO-19 APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ GRADING/ PAD CERTIFICATION  
☐ WORK ORDER APPROVAL  
☐ CLOMR/LOMR  
☐ PRE-DESIGN MEETING  
☐ OTHER (SPECIFY) \_\_\_\_\_

IS THIS A RESUBMITTAL?: ☐ Yes ☒ No

**DATE SUBMITTED:** 5/12/2022 **By:** John Clark, Sr. Project Manager, Hansen-Rice Construction

COA STAFF: \_\_\_\_\_ ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_





RECORD DRAWING:  
THE INFORMATION CONTAINED ON THIS  
DRAWING WAS COMPILED, IN PART, FROM  
INFORMATION SUPPLIED BY OTHERS. SOUDER,  
MILLER & ASSOCIATES TAKES NO  
RESPONSIBILITY FOR INFORMATION SUPPLIED  
BY OTHERS AND MAKES NO REPRESENTATION  
TO ITS ACCURACY.

I Raymond J. Smith, NMPE 18738, hereby certify that this project has been constructed  
in substantial compliance with and in accordance with the design intent of the approved  
plan dated 7/12/21. The record information edited on this original design document was  
performed by me or under my direct supervision and is true and correct to the best of my  
knowledge and belief. The as-built survey was provided by others. This certification is  
submitted in support of a request for PERMANENT CERTIFICATE OF OCCUPANCY.  
The record information presented heron is not necessarily complete and is intended only  
to verify substantial compliance of the grading and drainage for this project.  
Those relying on this record document are advised to obtain independent verification of  
its accuracy before using it for any other purpose.

5/12/22  
DATE

PROPOSED DETENTION POND		
100-YR ROUTING SUMMARY		
DESCRIPTION	UNIT	VALUE
RETURN PERIOD/DURATION	YR/HR	100/24
TOTAL DRAINAGE AREA	AC	5.9
INFLOW TIME TO PEAK	HRS	0.62
INFLOW PEAK FLOW RATE	CFS	21.2
INFLOW TOTAL RUNOFF VOLUME	CU-FT	42,718
OUTFLOW TIME TO PEAK	HRS	0.62
OUTFLOW PEAK FLOW RATE	CFS	15.7
OUTFLOW TOTAL RUNOFF VOLUME	CU-FT	38,520
MAXIMUM STORAGE VOLUME	CU-FT	13,630
DEAD STORAGE VOLUME	CU-FT	4,198
TOTAL RESERVOIR STORAGE TIME	HRS	24
RESERVOIR INVERT ELEVATION	FT	4,938.7
EMERGENCY SPILLWAY ELEVATION	FT	4,941.0
TOP OF EMBANKMENT ELEVATION	FT	4,941.0
MAXIMUM WATER SURFACE ELEVATION	FT	4,939.9
MAXIMUM WATER DEPTH	FT	1.9

CITY OF ALBUQUERQUE APPROVAL

CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM)  
PROCEDURE FOR 40 ACRE AND SMALLER BASINS

THE PRIMARY METHOD FOR HYDROLOGY CALCULATIONS IN THE DPM IS BASED ON THE  
ARID-LANDS HYDROLOGIC MODEL (AHYMO) CALCULATIONS. A SIMPLIFIED PROCEDURE FOR  
PROJECTS WITH BASINS SMALLER THAN 40 ACRES HAS BEEN DEVELOPED BASED ON INITIAL  
ABSTRACTION/UNIFORM INFILTRATION PRECIPITATION LOSSES AND RATIONAL METHOD  
PROCEDURES.

PRECIPITATION ZONES: SECTION 6-2(A)(1)

BERNALILLO COUNTY WITHIN CITY LIMITS HAS BEEN DIVIDED INTO 4 PRECIPITATION ZONES  
THAT CAN BE REVIEWED IN SECTION 6-2(A)(1). DPM IS BASED ON NATIONAL OCEANIC AND  
ATMOSPHERIC AGENCY (NOAA) ATLAS 14 PRECIPITATION DATA. FOR THE PROJECT SITE,  
ZONE 2 HAS BEEN SELECTED FOR LOCATIONS "BETWEEN THE RIO GRANDE AND SAN MATEO"  
AN EXCERPT OF PRECIPITATION DATA FROM TABLE 6.2.8 FOR ZONE 2 FOR THE 100-YEAR  
STORM EVENT IS INCLUDED BELOW:

PRECIPITATION FOR ZONE 2: 100-YEAR STORM EVENT											
	5	10	12	15	30	60	2	3	6	24	4
	MIN	MIN	MIN	MIN	MIN	MIN	HR	HR	HR	HR	DAY
DEPTH (IN)	0.565	0.860	1.070	1.440	1.780	2.030	2.100	2.290	2.590	2.960	3.620
INTENSITY (IN/HR)	6.78	5.16	4.81	4.28	2.88	1.78	1.02	0.70	0.38	0.11	0.03

FROM DPM TABLE 6.2.8

LAND TREATMENTS: SECTION 6-2(A)(2)

LAND AREAS ARE DESCRIBED BY ONE OF FOUR BASIC LAND TREATMENTS OR BY A  
COMBINATION OF THE FOUR LAND TREATMENTS. LAND TREATMENTS CAN BE REVIEWED IN  
TABLE 6.2.9.

LAND TREATMENTS IN PROJECT SITE					
BASIN	AREA	LAND TREATMENT A (ACRES)	LAND TREATMENT B (ACRES)	LAND TREATMENT C (ACRES)	LAND TREATMENT D (ACRES)
SITE (HISTORIC)	5.9	1.7		4.1	0.1
SITE (DEVELOPED)	5.9	0.9		1.7	3.3

FROM TABLE 6.2.9 IN DPM

ABSTRACTIONS: SECTION 6-2(A)(3)

INITIAL ABSTRACTION IS THE PRECIPITATION DEPTH THAT MUST BE EXCEEDED BEFORE  
DIRECT RUNOFF BEGINS. INITIAL ABSTRACTION MAY BE INTERCEPTED BY VEGETATION,  
RETAINED IN SURFACE DEPRESSIONS, OR ABSORBED ON THE WATERSHED SURFACE.

ABSTRACTION IN PROJECT SITE BY LAND TREATMENT					
BASIN	ABSTRACTION FOR TREATMENT A	ABSTRACTION FOR TREATMENT B	ABSTRACTION FOR TREATMENT C	ABSTRACTION FOR TREATMENT D	WEIGHTED INITIAL ABSTRACTION (IN)
SITE (HISTORIC)	0.65	0.50	0.35	0.10	0.54
SITE (DEVELOPED)	0.65	0.50	0.35	0.10	0.31

FROM TABLE 6.2.11 IN DPM

EXCESS PRECIPITATION AND VOLUMETRIC RUNOFF: SECTION 6-2(A)(4)

EXCESS PRECIPITATION, E, IS THE DEPTH OF PRECIPITATION REMAINING AFTER  
ABSTRACTIONS ARE REMOVED. EXCESS PRECIPITATION DOES NOT DEPEND ON WATERSHED  
AREA. EXCESS PRECIPITATION IS DETERMINED BY SUBTRACTING THE INITIAL ABSTRACTION  
AND INFILTRATION FROM THE DESIGN STORM HYDROGRAPH.

HISTORIC VOLUMETRIC RUNOFF PER EQUATION 6.2 = 26,426 CU-FT  
DEVELOPED VOLUMETRIC RUNOFF PER EQUATION 6.2 = 42,718 CU-FT

EXCESS PRECIPITATION IN PROJECT SITE BY LAND TREATMENT					
BASIN	EXCESS PRECIPITATION TREATMENT A	EXCESS PRECIPITATION TREATMENT B	EXCESS PRECIPITATION TREATMENT C	EXCESS PRECIPITATION TREATMENT D	WEIGHTED EXCESS PRECIPITATION (IN)
SITE (HISTORIC)	0.62	0.80	1.03	2.33	0.77
SITE (DEVELOPED)	0.62	0.80	1.03	2.33	1.58

FROM TABLE 6.2.13 IN DPM

PEAK DISCHARGE RATE FOR SMALL WATERSHEDS: SECTION 6-2(A)(5)

PEAK DISCHARGE RATES ARE GIVEN IN TABLE 6.2.14 FOR SMALL WATERSHEDS, LESS THAN  
OR EQUAL TO 40 ACRES, WHERE THE TIME OF CONCENTRATION IS ASSUMED TO BE 12  
MINUTES.

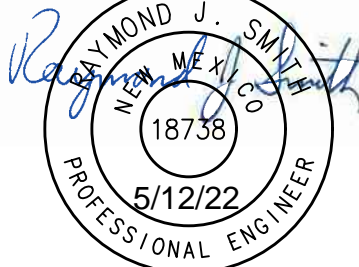
HISTORIC PEAK DISCHARGE RATE PER EQUATION 6.6 = 15.9 CFS  
DEVELOPED PEAK DISCHARGE RATE PER EQUATION 6.6 = 21.1 CFS

STORM WATER QUALITY VOLUME

TO CALCULATE THE REQUIRED SWQV, THE IMPERVIOUS AREA IS MULTIPLIED BY 0.42" FOR  
NEW DEVELOPMENT OR 0.26" FOR REDEVELOPMENT SITES.  
 $(3.3 \text{ AC} \times 43,560 \text{ FT}^2 / \text{AC}) \times (0.26 \text{ IN} \times 1 \text{ FT} / 12 \text{ IN}) = 3,115 \text{ CU-FT}$   
REQUIRED VOLUME TO BE RETAINED IN BMP: 3,115 CU-FT  
PROVIDED VOLUME TO BE RETAINED IN BMP: 4,198 CU-FT

SOUDER, MILLER & ASSOCIATES  
Engineering • Environmental • Surveying  
Serving the Southwest & Rocky Mountains  
5454 Venice Avenue NE, Suite D  
Albuquerque, NM 87113  
Phone (505) 299-0942 Toll-Free (877) 299-0942 Fax (505) 293-3430  
www.soudermiller.com

PROFESSIONAL SEAL



DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL  
CONDITIONS AND DIMENSIONS  
AT THE JOB SITE AND NOTIFY  
HANSEN-RICE, INC. OF ANY  
DIMENSIONAL ERRORS, OMISSIONS,  
OR DISCREPANCIES BEFORE  
BEGINNING OR FABRICATING  
ANY WORK.



CLIENT DESCRIPTION:  
BUENO FOODS

2001 4TH ST SW ALBUQUERQUE, NM 87102  
FREEZER EXPANSION - PHASE IV

NO.	DESCRIPTION	DATE	
		ISSUED FOR PERMIT REVIEW	04/09/2021
1	ADDED CALL OUT FOR STORMWATER QUALITY VOLUME	05/13/2021	
2	REVISED PER FIRE MARSHAL COMMENTS	06/18/2021	
3	REVISED GRADING FOR REMOVAL OF DEBRIS	08/04/2021	
RD	SWALE WIDTH CHANGED TO 8' FROM 5'	05/12/2022	
RD	NEW BERM ADDED	05/12/2022	
JOB NUMBER		20002500	SCALE @ 24"x36"
DRAWN BY		CYO	As indicated
DATE ISSUED		5/12/2022	
SHEET NAME			
GRADING AND DRAINAGE PLAN			
REVISION			
SHEET			
C-004			