

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

May 6, 2022

Benny E Martinez, PE  
Canova Engineering, LLC  
P.O. Box 344  
Velarde, NM 87582

**RE: Carillo Shop**  
**1001 Old Coors Rd. SW**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 3/16/22**  
**Hydrology File: L11D010**

Dear Mr. Martinez:

Based upon the information provided in your submittal received 4/26/22, the Grading & Drainage Plan **is not** approved for Grading Permit. The following comments need to be addressed for approval of the above referenced project:

PO Box 1293

Albuquerque

NM 87103

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

## General Notes

1. Please include project benchmark and datum.
2. All calculations must be provided and include the data being utilized. (e.g. Total area. Area in each treatment type, proposed vs. existing etc...) This needs to be for the entire lot.
3. Provide calculation for storm water quality needed.
4. Please clearly show existing vs. proposed infrastructure/buildings et...
5. The proposed shop needs to show the square footage, finished floor elevation.
6. Provide survey elevation points.
7. The storm is a 1% storm not 90<sup>th</sup> percentile. Please review the calculations. Are you saying the result is 0.44 inches or is that the intensity?
8. Provide a section of the pond showing the elevation.
9. Is it a retention pond? If so, it needs to contain the 100-year-10-day storm for the site.
10. Please ensure the shop does not encroach into the easement including any footings.
11. Please label the scale and utilize 1"=20'
12. Please include vicinity map.
13. Please include the FIRM and state what zone the site sits in.
14. The impervious area being affected with this needs to be summarized.
15. Show direction of roof drainage.
16. Overall, please take a second look at this and show some detail to explain how the site drains and where this new structure will drain. We also need elevations and survey data.

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As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, [jhughes@cabq.gov](mailto:jhughes@cabq.gov), 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3695 or [dggutierrez@cabq.gov](mailto:dggutierrez@cabq.gov)

Sincerely,

David G. Gutierrez, P.E.  
Senior Engineer, Hydrology  
Planning Department

PO Box 1293

Albuquerque

NM 87103

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# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Carrillo Shop Building Permit #: BP-2021-19993 Hydrology File #: \_\_\_\_\_

DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_  
Legal Description: TRACT A OF the Land DIVISION Plat of LOT 14, and a portion of Lot 13 and a portion of Commercial tract, Block 5 Los

City Address: 1001 COORS SW, ABQ, NM Altos subdivision

Applicant: Gabino Carrillo Contact: Arnold Carrillo

Address: 1001 COORS SW Abq, NM

Phone#: 505-216-4930 Fax#: \_\_\_\_\_ E-mail: Canova.engr@gmail.com

Other Contact: Arnold Carrillo Contact: Arnold Carrillo

Address: \_\_\_\_\_ E-mail: arnoldo.carrillo1969@gmail.com

Phone#: 505-690-4374 Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

TYPE OF DEVELOPMENT: \_\_\_\_\_ PLAT (# of lots) \_\_\_\_\_ RESIDENCE \_\_\_\_\_ DRB SITE ☒ ADMIN SITE

IS THIS A RESUBMITTAL? \_\_\_\_\_ Yes ☒ No

DEPARTMENT \_\_\_\_\_ TRANSPORTATION ☒ HYDROLOGY/DRAINAGE

Check all that Apply:

### TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
- ☐ PAD CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN
- ☐ GRADING PLAN
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE MASTER PLAN
- ☐ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- ☐ ELEVATION CERTIFICATE
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ TRAFFIC IMPACT STUDY (TIS)
- ☐ STREET LIGHT LAYOUT
- ☐ 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: 4/26/22 By: Benny B. Martinez

Canova Engineering LLC

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_

**DRAINAGE CERTIFICATION WITH SURVEY WORK BY PROFESSIONAL  
SURVEYOR**

I, Benny E. Martinez NMPE 12543, OF THE FIRM Canova Engineering, LLC HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED \_\_\_\_\_. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY Benny E. Martinez NMPS 12543 OF THE FIRM Canova Engineering, LLC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 5-3-2021 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 Gabino Carrillo

(Describe any exceptions and/or qualifications here in a separate paragraph)

(Describe any deficiencies and/or corrections required here in a separate paragraph)

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 THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Benny E. Martinez  
Signature of Engineer

4/7/22  
Date

**ENGINEER'S STAMP**

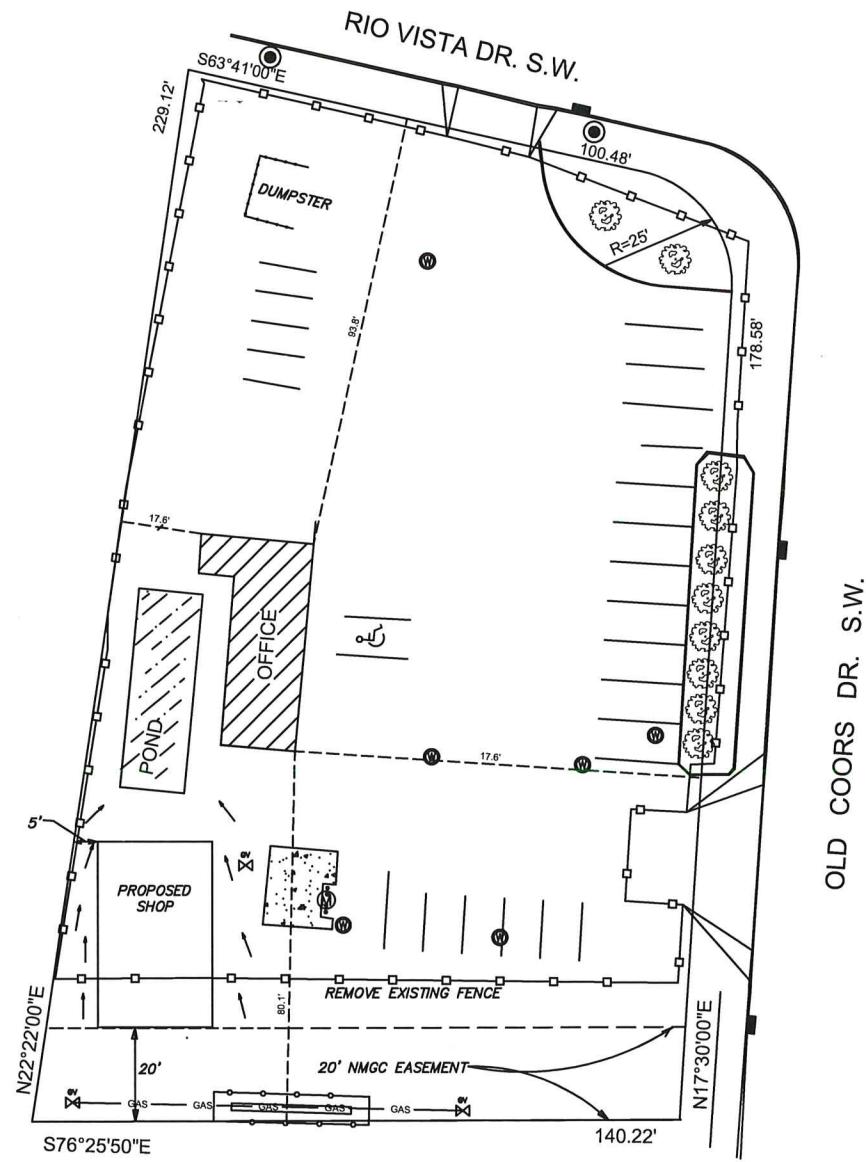




# GABINO AND MAGALY CARRILLO SHOP

## DRAINAGE PLAN/RETENTION POND DESIGN

MARCH 2022



### NOTE:

THE AVERAGE SLOPE OF THE BUILDABLE AREA IS LESS THAN 20%. A PAD WILL BE CONSTRUCTED TO ACCOMOCATE THE RESIDENCE PAD AND EARTHWORK SHALL BE KEPT TO A MINIMUM TO AVOID DISTURBANCE OF THE NATURAL ENVIRONMENT.

CONTRACTOR TO FOLLOW THE SANTA FE COUNTY GUIDELINES FOR RESIDENTIAL STRUCTURES ABOVE ELEVATION OF 7400 FEET. SOILS ARE ACCEPTABLE FOR CONSTRUCTION OF MONOLYTHIC CONCRETE SLAB/FOUNDATION AS PER PLANS.

THE FINISHED FLOOR ELEVATION OF THE STRUCTURE IS WITHIN THE 15% AND 30 % AND DOES NOT EXCEED 5 FEET ABOVE THE NATURAL ABOVE THE NATURAL GRADE..

THE RETENTION POND SHALL BE SHEATHED WITH SMALL 3"-5" NATURAL ROCK WITH 2:1 SLOPE.

THE DRAINAGE SHALL BE DIRECTED AWAY FROM RESIDENCE AND SLOPED TOWARDS RETENTION POND.

### DRAINAGE CALCULATIONS

ALL DRAINAGE ASSUMPTIONS FOLLOW THE CITY OF ALBUQUERQUE DPM

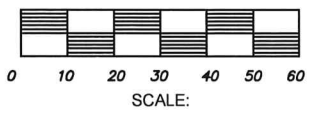
90TH PERCENTILE STORM EVENT FROM CHAPTER 6 ABQ DPM = 0.44 INCHES  
LAND TREATMENT D, INITIALABSTRACTION = 0.1"  
TOTAL IMPERVIOUS AREA=(100.48 + 140.22) / 2 \* (229.12+178.58) / 2 = 25,533 SQ.FT.  
STORM WATER QUALITY VOLUME REQUIRED=(0.44-0.1) / 12 \* 24533 = 695 CU.FT.

TRAPOZID POND SIZE=2' (DEPTH) X 35' (BOTTOM LENGTH) X 6' (BOTTOM WIDTH)  
SIDE SLOPES AT 2:1 TOP WIDTH OF POND = 2X2 +2X2 +6 =14'; TOP LENGTH OF POND= 2X2 +2X2 +35 =43'  
POND CAPACITY = WXDYL=(14+6) / 2 \* 2 \* (35+43)/2 = 780CU.FT.>695

W = AVERAGE WIDTH OF POND, FT.  
D = POND DEPTH, FT.  
L = AVERAGE LENGTH OF POND, FT.

NOTE: THE TOTAL IMPERVIOUS AREA IS ASSUMED TO BE THE TOTAL AREA OF SITE (A CONSERVATIVE ASSUMPTION) THE PROPOSED POND CAPACITY EXCEEDS THE REQUIRED CALCULATIONS.

NOTE: THE SHAPE OF THE RETENTION POND MAY VARY IN DIMENSIONS AS LONG AS THE TOTAL CAPACITY OF THE RETENTION PONT IS 695 FT<sup>3</sup>OF LARGER.



CANOVA  
ENGINEERING LLC



BENNY E. MARTINEZ NMPE#12543  
(505) 927-7401

CANOVA ENGINEERING LLC  
BENNY E. MARTINEZ  
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505-927-7401 canova.engr@gmail.com

GABINO & MAGALY CARRILLO  
1001 COORS SW  
ALBUQUERQUE, NM

DATE:  
03-11-22

DRAINAGE  
PLAN

SHEET NO:  
9-14