

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

May 10, 2023

Thomas D. Johnston, PE
George T Rodriguez-Development Consultant
12800 San Juan Rd. SE
Albuquerque, NM 87123

**RE: 2514 Oro Vista R. NW
Grading & Drainage Plans
Engineer's Stamp Date: 04/19/23
Hydrology File: G12D042**

Dear Mr. Johnston:

Based upon the information provided in your submittal received 05/03/2023, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. Since this project is currently flat with an existing house, a pad certification is not needed for this project. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PRIOR TO CERTIFICATE OF OCCUPANCY:

1. Engineer's Certification, per the DPM Part 6-14 (F): Engineer's Certification Checklist For Non-Subdivision is required.

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

Sincerely,

Renée C. Brissette

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

Project Title: MEAD CUSTOM RESIDENCE Building Permit # _____ Hydrology File # _____
DRB# _____ EPC# _____
Legal Description: LOT 18, BOULEVARD GARDENS City Address OR Parcel 2514 ORD VISTA DR. N.W.

Applicant/Agent: CAROLINA MEAD Contact: CAROLINA MEAD
Address: 2514 ORD VISTA DRIVE N.W. Phone: 505-331-9653
Email: carolinamead@yahoo.com

Applicant/Owner: GEORGE T. RODRIGUEZ Contact: GEORGE RODRIGUEZ
Address: 12800 SAN JUAN N.E. Phone: 505-610-0593
Email: pawrod@hotmail.com

TYPE OF DEVELOPMENT: PLAT (#of lots) ☒ RESIDENCE ☐ DRB SITE ☐ ADMIN SITE: _____
RE-SUBMITTAL: ☐ 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
- ☐ FLOOD PLAN DEVELOPMENT PERMIT APP.
- ☐ ELEVATION CERTIFICATE
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ADMINISTRATIVE
- ☐ TRAFFIC CIRCULATION LAYOUT FOR DRB APPROVAL
- ☐ TRAFFIC IMPACT STUDY (TIS)
- ☐ STREET LIGHT LAYOUT
- ☐ OTHER (SPECIFY) _____
- ☐ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY
- ☐ CONCEPTUAL TCL DRB APPROVAL
- ☐ 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
- ☐ FLOOD PLAN DEVELOPMENT PERMIT
- ☐ OTHER (SPECIFY) _____

DATE SUBMITTED: 04-15-2023

CAUTION
ALL EXISTING UTILITIES/TOPOGRAPHY SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

GENERAL NOTES:

1. CONTOUR INTERVAL IS ONE (1) FOOT.
2. ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION No. "3-G12", HAVING AN ELEVATION OF 4965.946, NAVD 1988.
3. UTILITIES SHOWN HEREON ARE IN THE APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
4. THIS IS **NOT** A BOUNDARY SURVEY, APPARENT PROPERTY CORNERS AND PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY. BOUNDARY DATA SHOWN IS FROM PREVIOUS SURVEY REFERENCE HEREON.



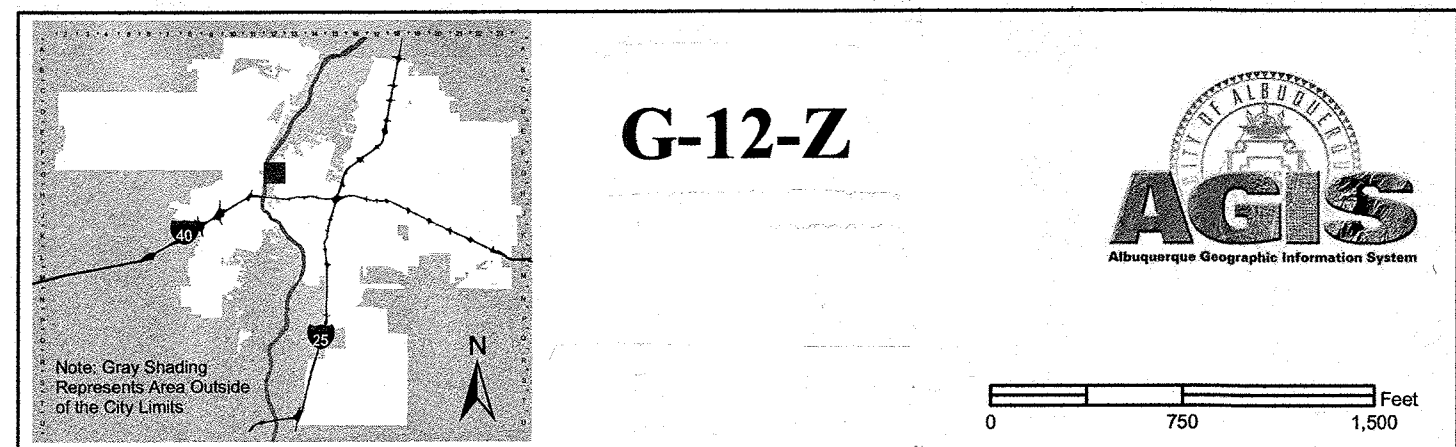
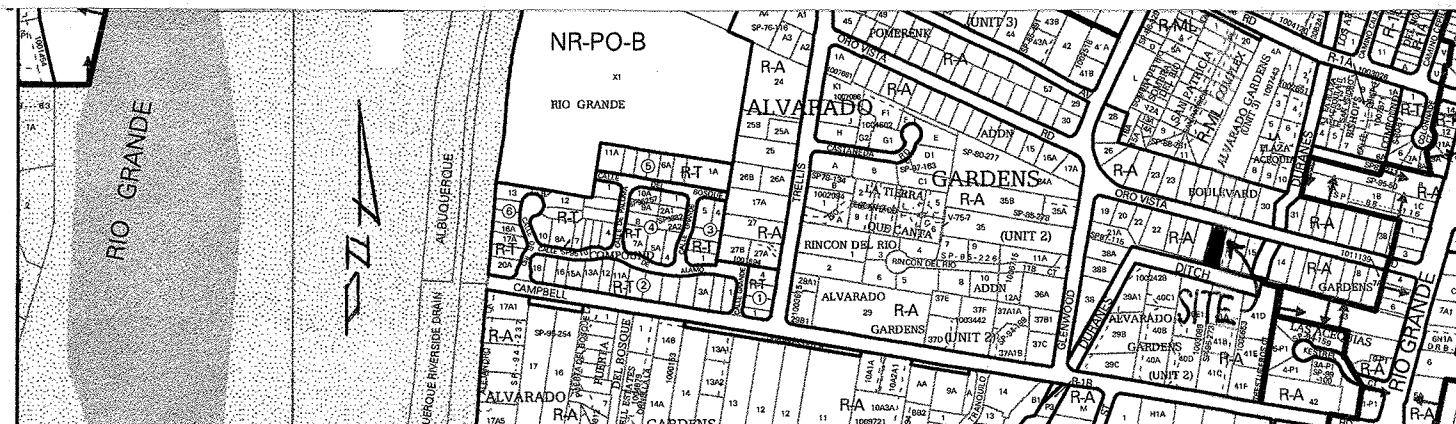
BERN
CO Bernalillo County

FEMA Flood Zones
Use this map to view current Federal Emergency Management Agency (FEMA) Flood Hazard GIS data, Flood Insurance Rate Maps (FIRMs), and National Flood Insurance Program elevation certificates.
To view a FIRM in PDF format, click on the map within Bernalillo County, from the FEMA FIRM Details pop-up window, click the "More info" link.
To view an elevation certificate in PDF format, click on an "R" symbol. From the Elevation Certificate pop-up window, click the "More info" link.
Use the "Search by Address" tool to find an address.
Use the "Search by UIC" tool to find a parcel by UIC. Click on a property to get flood hazard and parcel data.
For more information, contact:
Emergency Information
Tiquan Chan, Floodplain Administrator
(505) 946-1517
tchan@bernmco.org

LEGEND
OB = CURB
EC = EDGE OF CONCRETE
FF = FINISHED FLOOR
FL = FLOWLINE
G = GROUND
TC = TOP OF CONCRETE

FEMA FIRM PANEL: # 35001C0331H, (EFFECTIVE DATE: 08-16-2012)

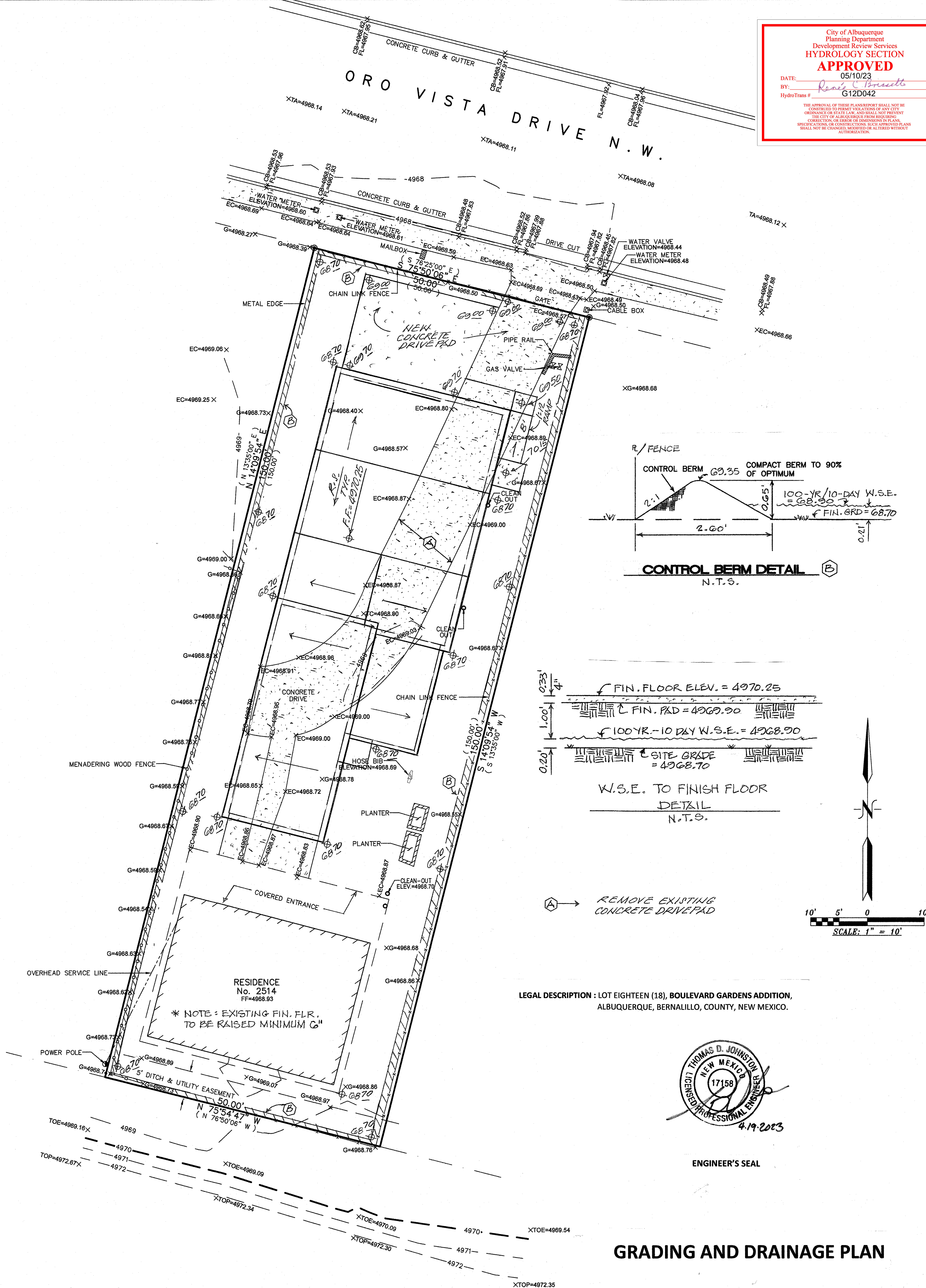
SITE IS LOCATED WITHIN ZONE 'X', AREA WITH REDUCED FLOOD RISK DUE TO LEVEE.



NOTES :

- 1.) PAD CERTIFICATION IS REQUIRED PRIOR TO ISSUANCE OF BUILDING PERMIT.
- 2.) A FINAL INSPECTION BY C.O.A. HYDROLOGY DEPT. IS REQUIRED BEFORE A CERTIFICATE OF OCCUPANCY IS RELEASED.
- 3.) BUILDING PAD COMPACTION TO BE PER SOILS ENGINEER TEST RESULTS AND RECOMMENDATIONS.
- 4.) CONTRACTOR TO PROVIDE ROOF GUTTERS TO DOWNSPOUTS WITH SPLASH BOXES.

GEORGE T. RODRIGUEZ
LAND USE, DEVELOPMENT AND
REDEVELOPMENT CONSULTANT
ALBUQUERQUE, NEW MEXICO
(505)610-0593



City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 05/10/23
BY: *Rene E. Brissett*
HydroTeam # 6120042
THE APPROVAL OF THIS PLAN AND/OR SPECIFICATIONS SHALL NOT BE
CONSIDERED TO BE A GUARANTEE OF THE ACCURACY OF ANY CITY
APPROVED OR AS-BUILT DATA, AND SHALL NOT BE USED FOR
ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE CITY OF ALBUQUERQUE. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR ANY
CONSTRUCTION OR CONSTRUCTION OF ANY OTHER PLANS
SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT
AUTORIZATION.

DRAINAGE COMMENTS :

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE SOUTH SIDE OF ORO VISTA ROAD N.W. BETWEEN RIO GRANDE BOULEVARD N.W. AND GLENWOOD ROAD N.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS "G-12-Z").

THE SUBJECT SITE, 1.) IS A PROPERTY THAT IS TO HAVE A NEW SINGLE FAMILY RESIDENCE AND ASSOCIATED IMPROVEMENTS CONSTRUCTED THEREON, (THIS GRADING AND DRAINAGE PLAN WAS PREPARED TO SUPPORT A BUILDING PERMIT APPLICATION FOR THE ADDRESS OF 2514 ORO VISTA ROAD N.W., ALBUQUERQUE, NEW MEXICO), 2.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 3.) DOES NOT CONTRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES, 4.) IS NOT LOCATED WITHIN A DESIGNATED FLOODPLAIN (DESIGNATED ZONE "X", REFERENCE FEMA PANEL NO. 35001C0331H, EFFECTIVE 08-16-2012), 5.) WILL PROVIDE FOR REQUIRED ONSITE RETENTION PONDING, 6.) CURRENTLY HAS AN EXISTING VACANT SMALL SINGLE FAMILY RESIDENCE THAT WILL BE RENOVATED TO A CASITA, 7.) LIES NORTH OF AND ADJACENT TO THE DURANES DITCH.

PER THE DEVELOPMENT PROCESS MANUAL FOR THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, HYDROLOGY, CHAPTER 6, ARTICLE 6-2(a), EFFECTIVE DATE: JUNE 8, 2020.

* PER ARTICLE 6-5, VALLEY DRAINAGE CRITERIA (6-41), PART 6-5 (D) "FLAT GRADING SCHEME" (6-42); FINISH PAD ELEVATION SHALL BE A MINIMUM OF 1.0' ABOVE THE 100YR-10DAY STORMWATER SURFACE ELEVATION.

SITE AREA = 0.17 ACRE

PRECIPITATION ZONE : TWO (2)
"LAND TREATMENT METHOD" FOR CALCULATION OF "Qp"

PRECIPITATION : 100-YR./6 HR. = 2.29 IN.

EXCESS PRECIPITATION : PEAK DISCHARGE :

TREATMENT A	0.62 IN.	1.71 CFS/AC.
TREATMENT B	0.80 IN.	2.36 CFS/AC.
TREATMENT C	1.03 IN.	3.05 CFS/AC.
TREATMENT D	2.33 IN.	4.34 CFS/AC.

EXISTING CONDITIONS : PROPOSED CONDITIONS :

	AREA	AREA
TREATMENT A	0.00 AC.	0.00 AC.
TREATMENT B	0.00 AC.	0.00 AC.
TREATMENT C	0.12 AC.	0.09 AC.
TREATMENT D	0.05 AC.	0.08 AC.

EXISTING EXCESS PRECIPITATION :
WEIGHTED "E" = $(0.62 \times 0.00) + (0.80 \times 0.00) + (1.03 \times 0.12) + (2.33 \times 0.05) / 0.17 = 1.41$ IN.
V100-360 = $(1.41 \times 0.05) / 12 = 0.00588$ AC. FT. = 256.0 CU. FT.

EXISTING PEAK DISCHARGE :
Q-100 = $(1.71 \times 0.00) + (2.36 \times 0.00) + (3.05 \times 0.12) + (4.34 \times 0.05) = 0.58$ CFS

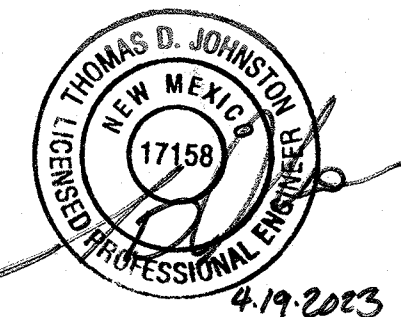
PROPOSED EXCESS PRECIPITATION :
WEIGHTED "E" = $(0.62 \times 0.00) + (0.80 \times 0.00) + (1.03 \times 0.09) + (2.33 \times 0.08) / 0.17 = 1.57$ IN.
V100-360 = $(1.57 \times 0.08) / 12 = 0.01047$ AC. FT. = 456.0 CU. FT.

PROPOSED PEAK DISCHARGE :
Q-100 = $(1.71 \times 0.00) + (2.36 \times 0.00) + (3.05 \times 0.09) + (4.34 \times 0.08) = 1.19$ CFS

INCREASE : V100-360 = 200.0 CU. FT. Q-100 = 0.61 CFS

* *****100-YR./10-DAY STORM VOLUME CALCULATION :**
V10-DAYS = $V360 + AD \times (P-10 \text{ DAYS} - P360) / 12$ IN. FT.
V10-DAYS = $0.01047 + 0.08 \times (3.62 - 2.29) / 12$ IN. FT. = 0.01934 AC. FT. = 842.5 CU. FT.
"C" = 0.09 AC. = 3,920.0 SQ. FT., 842.5 CU. FT. / 3,920.0 SQ. FT. = 0.21' DEPTH

LEGAL DESCRIPTION : LOT EIGHTEEN (18), BOULEVARD GARDENS ADDITION, ALBUQUERQUE, BERNALILLO, COUNTY, NEW MEXICO.



ENGINEER'S SEAL

GRADING AND DRAINAGE PLAN

**A PROPOSED PLAN
FOR
MEAD RESIDENCE
(2514 ORO VISTA ROAD N.W.)
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
MARCH, 2022**