CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



October 10, 2024

David Soule, P.E. Rio Grande Engineering P.O. Box 93924 Albuquerque, NM 87199

RE: 2217 Matthew NW

Engineer's Certification Date: 10/6/24

Engineer's Stamp Date: 4/3/23 Hydrology File: G13D044A

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 10/10/2024, the Grading and Drainage Plan is approved for Building Permit and Building Pad Certification for 2217 Matthew NW. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

PRIOR TO CERTIFICATE OF OCCUPANCY:

NM 87103

1. Engineer's Certification, per the DPM Part 6-14 (G): Engineer's Certification Checklist for Subdivision and Part 6-14 (H): Required Certification Language is required.

If you have any questions, please contact me at 505-924-3314 or <u>amontoya@cabq.gov</u>.

www.cabq.gov

Sincerely,

Anthony Montoya, Jr., P.E. Senior Engineer, Hydrology

anth Mars

Planning Department, Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 1ot 24b Matthew DRB#: Legal Description: 1ot 24b alvara City Address: portion of 2217 material	ot 24b Matthew Building Permit #:EPC#:		Work Order#:	
Applicant:		Contact:		
Address:				
Phone#:	#: Fax#:			
Other Contact: RIO GRANDE ENGINEERING		Contact:	DAVID SOULE	
Address: PO BOX 93924 ALB NM 87199				
Phone#: 505.321.9099	Fax#: 505.872.099	E-mail:	avid@riograndeengineering.com	
TYPE OF DEVELOPMENT: PLAT				
Check all that Apply:				
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION X PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT A ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING? IS THIS A RESUBMITTAL?: Yes X NO DATE SUBMITTED:	APPLIC	PE OF APPROVAL/ACCEI _ BUILDING PERMIT APPR _ CERTIFICATE OF OCCUP _ PRELIMINARY PLAT APPR _ SITE PLAN FOR SUB'D APPROVAL _ SITE PLAN FOR BLDG. PRINAL PLAT APPROVAL _ SIA/ RELEASE OF FINAN _ FOUNDATION PERMIT APPR _ SO-19 APPROVAL _ PAVING PERMIT APPROVAL _ PAVING PERMIT APPROVAL _ CRADING/ PAD CERTIFITY _ WORK ORDER APPROVAL _ CLOMR/LOMR _ FLOODPLAIN DEVELOPM _ OTHER (SPECIFY)	PROVAL APPROVAL PERMIT APPROVAL DICIAL GUARANTEE APPROVAL ROVAL DICATION DI	
	*	CAL DECENTED.		
COA STAFF:	ELECTRONIC SUBMITI	FAL RECEIVED:		

FEE PAID:____

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

First flush requirement Volume = Weighted D * Total Area 123 cubic feet Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm(zone2)

Qb= 2.36 Eb= 0.8 Ec= 1.03 Qc= 3.05 Ed= 2.33 Qd= 4.34

TOTAL VOLUME HISTORICAL GENERATION

> 1507.03 24 hour PROPOSED GENERATION

This site is a proposedplatted lot within and existing fully developed area. The lot is required to retain the entire flow onsite. The site will conform to the valley flat area drainage scheme. The site will retain the 100-year 10-day volume. The ponds overflow to the adjacent lot at top of pond. The surrounding area is flat and no offsite flows impact the site. The first flush volume is retained on site.

I <u>David Soule</u>, NMPE 14522, of the firm <u>Rio Grande Engineering</u>, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated $\frac{4}{3}$. The certification is submitted in support of a request for <u>CERTIFICATE OR OCCUPANCY</u>. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project.



EARTHEN

EARTHEN **SWALE**

NEW DRIVEWAY PER COA STD DWG

SWALE

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 4/3/23



EROSION CONTROL NOTES:

FF= 67.25 FP= 66.75

- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

RETENTION POND

VOLUME= 1088 CF

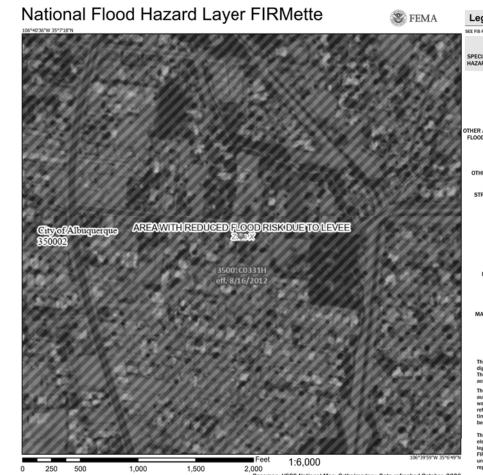
TOP= 66.25 BOTTOM= 64.75

SWALE

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



VICINITY MAP:



FIRM MAP:

LEGAL DESCRIPTION:

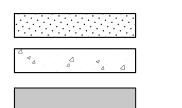
LOT 24-B ALVARDO GARDENS CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

- 1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- 2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- 3. ANY PERIMETER WALLS MUST BE PERMITED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- 4. SURVEY INFORMATION PROVIDED BY ALDRICH LAND SURVEYING USING NAVD DATUM 1988. 5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

LEGEND

XXXX	EXISTING CONTOUR	
XXXX	EXISTING INDEX CONTOUR	
—XXXX -	PROPOSED CONTOUR	
XXXX	PROPOSED INDEX CONTOUR	
x XXXX	EXISTING SPOT ELEVATION	
■ XXXX	PROPOSED SPOT ELEVATION	
	BOUNDARY	
	ADJACENT BOUNDARY	
=========	EXISTING CURB AND GUTTER	
$-\!$	PROPOSED EARTHEN SWALE	
	PROPOSED DIP IN DRIVEWAY TO ALLOW FLOW	
	PROPOSED GRAVEL	
	PROPOSED CONCRETE	
	PROPOSED PONDING	



PROPOSED PONDING

ENGINEER'S SEAL 4/3/23

DAVID SOULE

P.E. #14522

SCALE: 1"=20'

portion of 2217 MATTHEW AVE GRADING AND DRAINAGE PLAN

unaddressed MATTHEW AVE

|LOT 24-B ALVARDO GARDENS|

Rio Grande Lingineering PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9099

DRAWN

 BY DEM

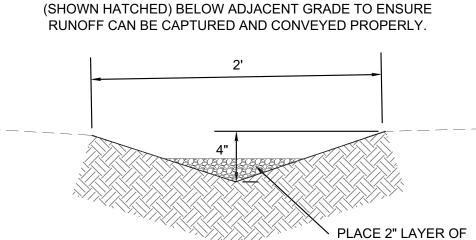
DATE 4-1-23

Lot 24-B Alvardo Gardens .DWG

SHEET#

JOB#

CONSTRUCT ALL SWALES AND EROSION PROTECTION

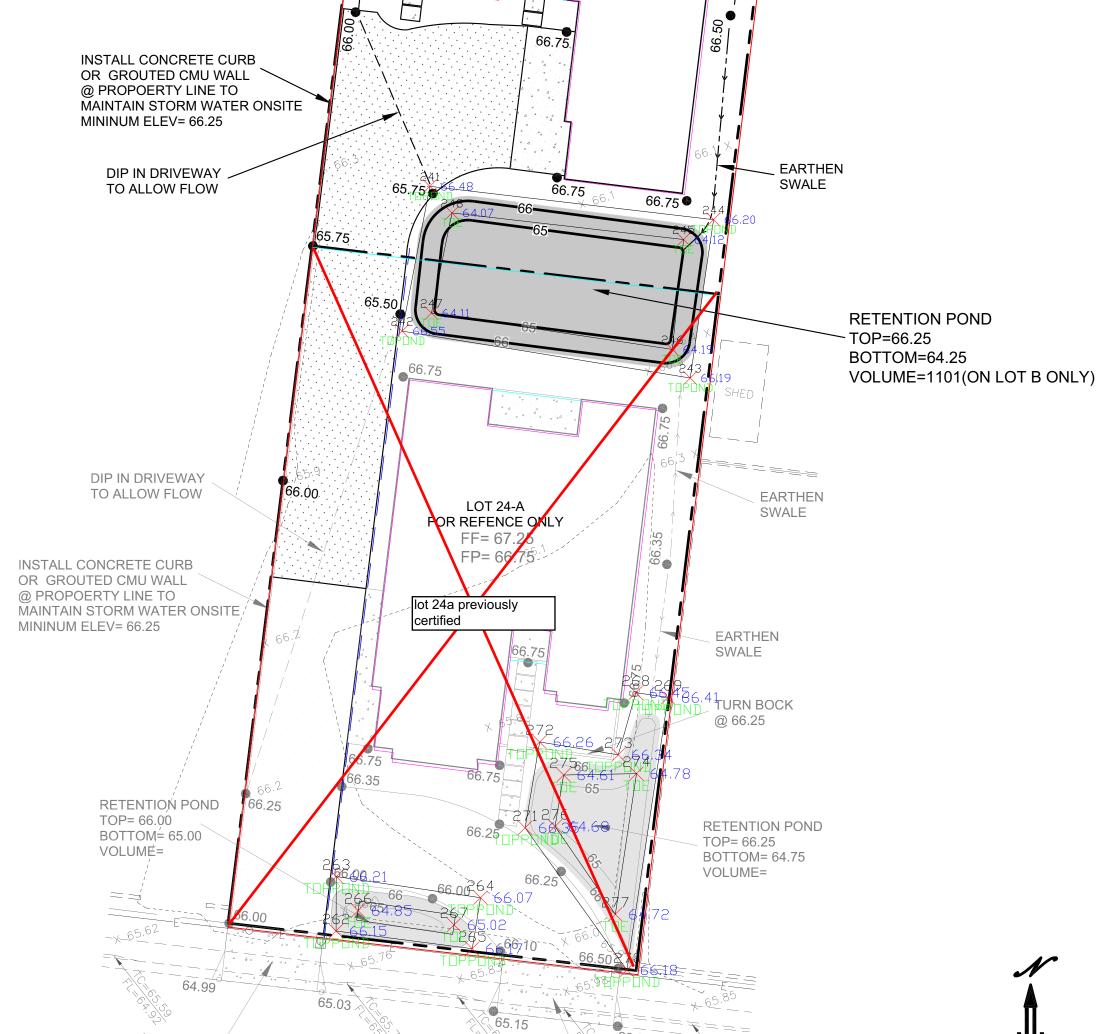


GRAVEL AT FLOW LINE

EARTHEN SWALE

CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



MATTHEW AVENUE NW NEW DRIVEWAY PER COA STD DWG