CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director

Mayor Timothy M. Keller

February 22, 2023

James P. Lopez, P.E.
JPL Engineering Inc.
6725 S. Eastern Avenue, Ste. 5
Las Vegas, NV 89119

RE: 3401 Calle Vigo NW
Grading and Drainage Plan
Engineer's Stamp Date: 12/21/21
Hydrology File: H12D003A1

Dear Mr. Lopez:

Based upon the information provided in your submittal received 07/26/2022, the Grading & Drainage Plan **is not** approved for Building Permit and Grading Permit. The following comments need to be addressed for approval of the above referenced project:

PO Box 1293

Albuquerque

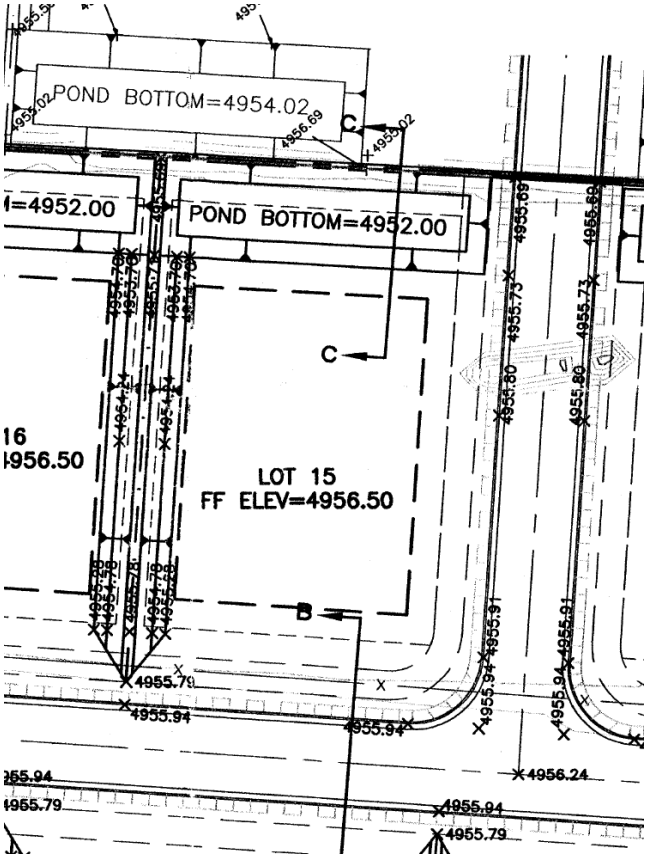
NM 87103

www.cabq.gov

1. Since this site is in the Valley region, please follow Article 6-5 Valley Drainage Criteria of the DPM. The following conditions must be applied to the site:

    a. The maximum percent impervious of the lot and the contributing area may not be greater than 45%.
    b. Pad elevation shall be a minimum of one (1) foot above the 100 year 10-day stormwater surface elevation.
    c. The flow between the front yard and back yard cannot be obstructed. The stormwater must be allowed to equalize to the same level between the front yard and back yard.
    d. A permanent perimeter wall or barrier around the development is required to contain the 100-year 24-hour storm developed runoff.

    As stated, this site is also part of an approved Master Grading Plan which has taken the older DPM Valley Drainage Criteria into account. Therefore, this project will just need to follow what was outlined there. You can download the approved plans by accessing the City's GIS from Hydrology's webpage https://www.cabq.gov/planning/development-review-services/hydrology-section and follow the instructions.



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2. According to the approved Master Grading Plan, this site has a maximum pad size of 5,596 SF and a required retention pond volume of 0.279 AC-FT or 12,153.22 CF. This design will have to be revised to accommodate this requirement. The site flows outside the Building Lines drains to the street(s) and the flows inside the Building Lines drains to the rear retention pond.

4956.55 4956.63

13

LOT/POND INFORMATION CHART				
LOT #	MAXIMUM PAD SIZE	POND SF	POND AC-FT	WESL
LOT 14	6,599 SF	4276 SF	.331 AC-FT	4951.94
LOT 15	5,596 SF	4033 SF	.279 AC-FT	4953.50
LOT 16	8,335 SF	4017 SF	.280 AC-FT	4953.20

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

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: 3401 Calle Vigo Building Permit #: BP2022-53593 Hydrology File #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: New Build

City Address: 3401 Calle Vigo NW

Applicant: Tru Builders, LLC Contact: Tanya/ Simon

Address: 3401 Calle Vigo NW

Phone#: 505-917-1566 or 505-238-6210 Fax#: _____ E-mail: trubuildersnm@gmail.com

Owner: Eddison & Victoria Lima Contact: _____

Address: 2514 Palomas Dr SE

Phone#: 505-238-2853 Fax#: _____ E-mail: _____

TYPE OF SUBMITTAL: ____ PLAT (___# OF LOTS) X RESIDENCE ____ DRB SITE ____ ADMIN SITE

IS THIS A RESUBMITTAL?: _____ Yes X No

DEPARTMENT: ____ TRAFFIC/ TRANSPORTATION X HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

____ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
____ CONCEPTUAL G & D PLAN
X GRADING PLAN
X 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:

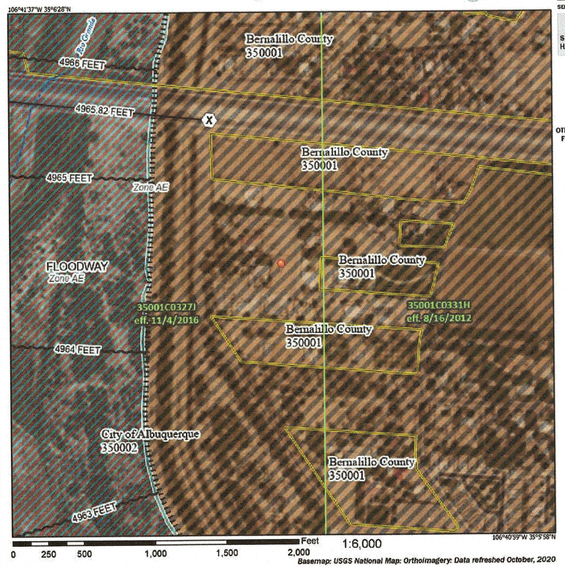
X BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY
____ PRELIMINARY PLAT APPROVAL
____ SITE PLAN FOR SUB'D APPROVAL
____ SITE PLAN FOR BLDG. PERMIT APPROVAL
____ FINAL PLAT APPROVAL
____ SIA/ RELEASE OF FINANCIAL GUARANTEE
____ FOUNDATION PERMIT APPROVAL
____ GRADING PERMIT APPROVAL
____ SO-19 APPROVAL
____ PAVING PERMIT APPROVAL
____ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR
____ FLOODPLAIN DEVELOPMENT PERMIT
____ OTHER (SPECIFY) _____

DATE SUBMITTED: 2/13/2023 By: Tanya Gonzales (Tru Builders, LLC)

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

National Flood Hazard Layer FIRMette



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS: Without Base Flood Elevation (BFE) (Zone A, V, A99); With BFE or Depth (Zone AE, AO, AH, VE, AR); Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD: 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile (Zone X); Future Conditions 1% Annual Chance Flood Hazard (Zone X); Area with Reduced Flood Risk due to Levee. See Notes. (Zone X); Area with Flood Risk due to Levee (Zone D)
- OTHER AREAS: NO SCREEN Area of Minimal Flood Hazard (Zone X); Effective LOMRs; Area of Undetermined Flood Hazard (Zone D)
- GENERAL STRUCTURES: Channel, Culvert, or Storm Sewer; Levee, Dike, or Floodwall
- OTHER FEATURES: 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation; Coastal Transect; Base Flood Elevation Line (BFE); Limit of Study; Jurisdiction Boundary; Coastal Transect Baseline; Profile Baseline; Hydrographic Feature
- MAP PANELS: Digital Data Available; No Digital Data Available; Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/8/2021 at 8:47 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

BASIN NAME/ CONCENTRATION POINT	AREA (ARCES)	TREATMENT A (%)	TREATMENT A (ACRES)	TREATMENT B (%)	TREATMENT B (ACRES)	TREATMENT C (%)	TREATMENT C (ACRES)	TREATMENT D (%)	TREATMENT D (ACRES)	100-YEAR, 6-HR WEIGHTED E (IN)	100-YEAR, 6-HR VOLUME (AC-FT)	100-YEAR, 6-HR FLOW CFS	100-YR, 6-HR VOLUME (AC-FT)
PROPOSED SITE	0.4999	0	0	20	0.0100	36	0.1800	44	0.2200	1.4956	0.0623	1.8268	0.0728
ONX1	0.89	0	0	5	0.0088	10	0.0176	85	0.1500	1.9540	0.0287	0.7793	0.0324

EQUATIONS:

WEIGHTED E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (TOTAL AREA)
VOLUME = WEIGHTED E * TOTAL AREA
FLOW = Qa*Aa+Qb*Ab+Qc*Ac+Qd*Ad

WHERE FOR 100-YEAR, 6-HOUR STORM (ZONE2)
Ea= 0.53 Qa= 1.56
Eb= 0.78 Qb= 2.28
Ec= 1.13 Qc= 3.14
Ed= 2.12 Qd= 4.70

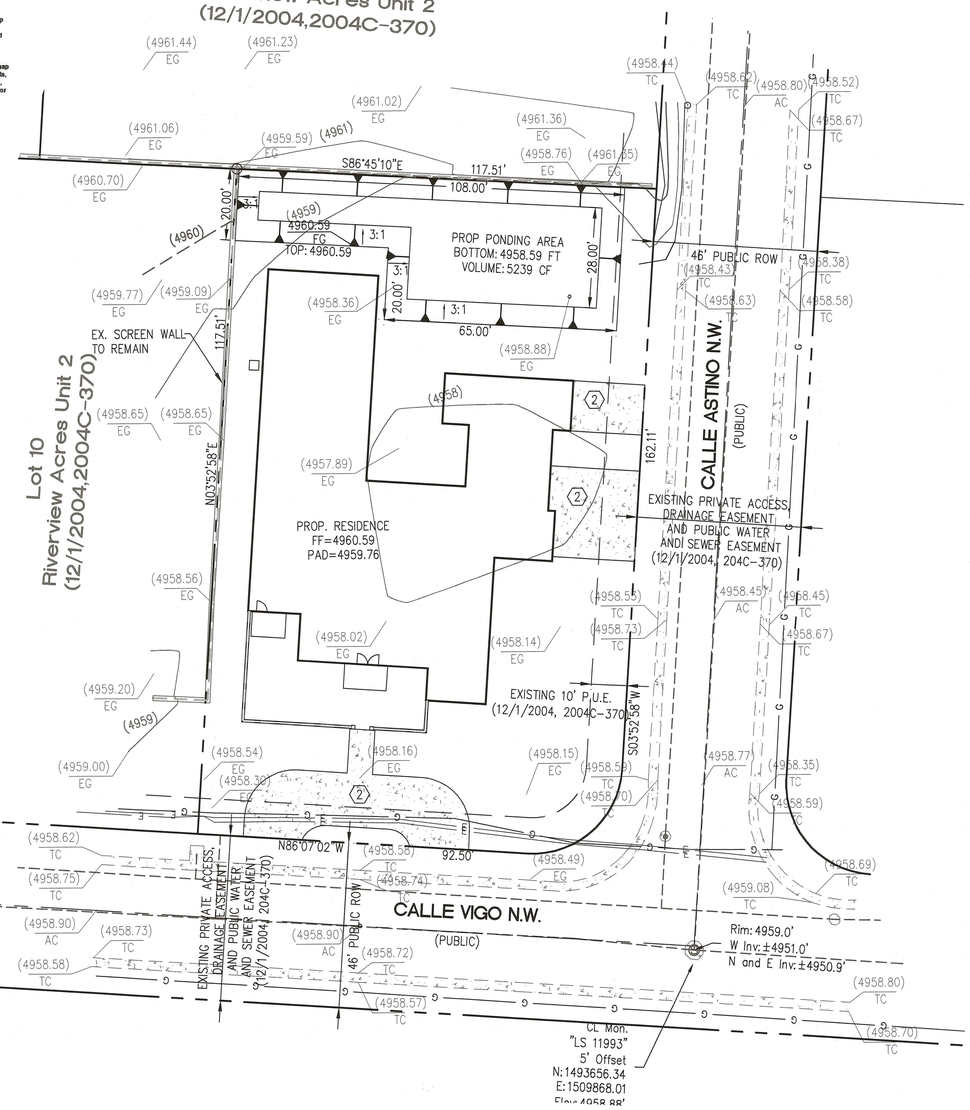
WHERE PRECIPITATION FOR 100-YEAR STORM (ZONE2)
P_{360}= 2.290
P_{1440}= 2.590

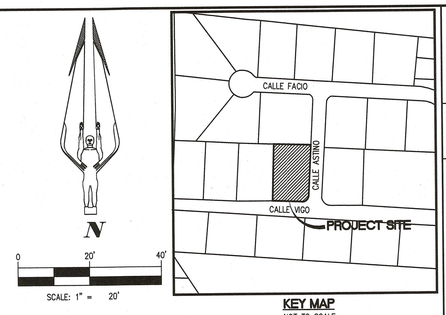
$V_{1440} = V_{360} + Ad*(P_{1440} - P_{360})/12$(in/ft)

DEVELOPED CONDITIONS	TOTAL VOLUME
STREET DISCHARGE	1441.67
PROPOSED DISCHARGE	3258.36
REQUIRED SW STORAGE	4700.03
PROVIDED SW STORAGE	5239.54

THIS SITE IS IN AN EXISTING SUBDIVISION WITH A PREVIOUSLY COMPLETED DRAINAGE REPORT H120003. THE FF IS MORE THAN 1' HIGHER THAN THE CENTERLINE AND THE ONSITE GENERATED RUNOFF AND 1/2 ROADWAY 100-YEAR 24-HOUR VOLUME WILL BE RETAINED ON SITE IN THE PROPOSED PONDING AREA.

STORMWATER QUALITY WATER CALCULATION
SWQV = IMPERVIOUS AREA * 0.42in
SWQVonsite = 0.2200 * 0.42in
SWQVstreet = 0.1500 * 0.42in
SWQVtotal = 564 CF





KEY MAP
NOT TO SCALE

1. CONTRACTOR SHALL VERIFY EXISTING ELEVATION AND MATCH EXISTING GRADE. IF ANY DISCREPANCIES NOTIFY ENGINEER.
2. PROPOSED CONCRETE DRIVEWAY PER ARCHITECTURAL PLANS

EXISTING	LEGEND	PROPOSED
	CENTERLINE	
	PROPERTY LINE	
	SECTION LINE	
	CURB & GUTTER	
	GRADE BREAK LINE	GB
	EDGE OF PAVEMENT	
	SETBACK LINE	
	CONCRETE	
	SCREEN WALL	
	FIRE HYDRANT	
	WATER VALVE	
(1234)	CONTOUR W/ ELEVATION	XXXX
(12.64) TC	GRADES	12.64 TC
	ASPHALT	
	SAWCUT	
	SEWER MANHOLE	
	P.A.E. GRANTED PER MSM#	
	5' UTILITY AND DRAINAGE EASEMENT LINE GRANTED PER MSM#	
	SIGHT VISIBILITY ZONE (SVZ)	
	SAWCUT, REMOVE, REPLACE ASPHALT	
	SLOPE TIE	

ABBREVIATION

C/L	CENTER LINE	GB	GRADE BREAK	PP	POWER POLE
CONC.	CONCRETE	LF	LINEAR FEET	ROW	RIGHT-OF-WAY
DW	DRIVEWAY	L/S	LANDSCAPE	S	SOUTH
E	EAST	MAX.	MAXIMUM	TC	TOP OF CURB
ELEC.	ELECTRIC	NAP	NOT A PART	TEL	TELEPHONE
ESMT	EASEMENT	MIN.	MINIMUM	TW	TOP OF WALL
ETC	END TOP OF CURB	N	NORTH	W	WEST
EX.	EXISTING	NTS	NOT TO SCALE	WL	WALL
FF	FINISH FLOOR	PL	PROPERTY LINE	O.R.	OFFICIAL RECORD
FG	FINISH GRADE				

ENGINEER
JPL ENGINEERING, INC.
6725 S. EASTERN AVENUE, STE. 5
LAS VEGAS, NEVADA 89119
CONTACT: JAMES P. LOPEZ, P.E.
PHONE: 702-898-6269
EMAIL: JAMES@JPLENGINEERINGINC.COM

OWNERS/DEVELOPER:
LIMA EDIDSON R &
PADILLA-LIMA VICTORIA M
2514 PALOMAS DR NE
ALBUQUERQUE NM, 87110-4038
CONTACT: EDIDSON RODOLFO
PHONE: (505) 238-2853
EMAIL: ERLIMA@SANDIA.GOV

LEGAL DESCRIPTION
LOT NUMBERED ELEVEN (11) OF THE PLAT OF RIVERVIEW ACRES UNIT 2, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF NERNALILLO COUNTY, NEW MEXICO ON DECEMBER 1, 2004.

BENCHMARK-NAVD 88:
ACS MONUMENT "7-H13" HAVING AN ELEVATION OF 4964.364. FIELD SURVEY PERFORMED IN JULY 2021

GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY ENGINEER IF THERE ARE ANY GRADING DISCREPANCIES PRIOR CONSTRUCTION

2. JPL ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTRIBUANCE 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 CONTRATOR.

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

REV	DATE	DESCRIPTION	DATE	APPROVAL

JPL ENGINEERING INC.
6725 S. EASTERN AVENUE STE. 5 LAS VEGAS, NV 89119
PHONE (702) 898-6269 FAX (702) 650-6260

3401 CALLE VIGO NW
LIMA RESIDENCE

DRAINAGE + GRADING PLAN

DECEMBER, 2021

JAMES P. LOPEZ NEW MEXICO 20110 PROFESSIONAL ENGINEER
12/21/21

JOB# 21-032

SHEET
GP
1 OF 1

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