

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

March 10, 2021

Levi J. Valdez, PE
George T Rodriguez-Development Consultant
12800 San Juan Rd. SE
Albuquerque, NM 87123

**Re: Lot 10 Block 3 Unit 22 SAD 228
8001 Camino Alderete
Volcano Cliffs Subdivision
Grading & Drainage Plan
Engineer's Stamp dated: 3-8-21 (D10D003R10)**

Mr. Valdez,

PO Box 1293

Based upon the information provided in your submittal received 3/3/2021, this plan is approved for Grading Permit.

Albuquerque

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

NM 87103

Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.

www.cabq.gov

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained with the approved G&D plan and Pad Certification. Also, if a swimming pool is to be placed the grading and drainage plan will change and will need to be resubmitted.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is required.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977

Sincerely,

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 6-2015)

Project Title: MARQUEZ ARAGON RESIDENCE Building Permit #: _____ Hydrology File #: _____

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

Legal Description: LOT 10, BLK. 3, VOLCANO CLIFFS, UNIT 22

City Address: 8001 CAMINO ALDERETE N.W.

Applicant: LEVI J. VALDEZ, P.E. - GEORGE T. RODRIGUEZ - DEVEL. CONSULTANT Contact: LEVI J. VALDEZ GEORGE RODRIGUEZ

Address: 12800 SAN JUAN N.E., ALBUQUERQUE, NEW MEXICO 87123

Phone#: 505-610-0593 Fax#: _____ E-mail: pawrod@hotmail.com

Other Contact: ST PRICE DESIGN STUDIO Contact: SUSAN PRICE

Address: 2325 CUTLER AVE. N.E., ALBUQ., N.M. 87106

Phone#: 505-345-3850 Fax#: _____ E-mail: susan@stpricedesign.com

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: _____ By: GEORGE T. RODRIGUEZ

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

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.

GENERAL NOTES:

1. CONTOUR INTERVAL IS ONE (1) FOOT.
2. ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION No. "14-D10", HAVING AN ELEVATION OF 5322.21, NAVD 1988.
3. UTILITIES SHOWN HEREON ARE IN THE APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FILED 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.

NOTE(S):

- 1.) PAD CERTIFICATION IS REQUIRED PRIOR TO ISSUANCE OF BUILDING PERMIT.
- 2.) A FINAL INSPECTION BY HYDROLOGY IS REQUIRED BEFORE A CERTIFICATE OF OCCUPANCY IS RELEASED.

GENERAL NOTES:

A CONCRETE WASHOUT BIN MUST BE PROVIDED AS PER CITY OF ALBUQUERQUE MS4 PERMIT REQUIREMENTS.

ALL DISTURBED AREAS DUE TO CONSTRUCTION MUST BE RESEDED OR LANDSCAPED FOLLOWING CONSTRUCTION.

ANY PERIMETER WALLS SHALL BE PERMITTED SEPARATELY AND ALL RETAINING WALL(S) SHALL BE DESIGNED BY OTHERS.

ALL SLOPES SHALL BE 3:1 MAX.

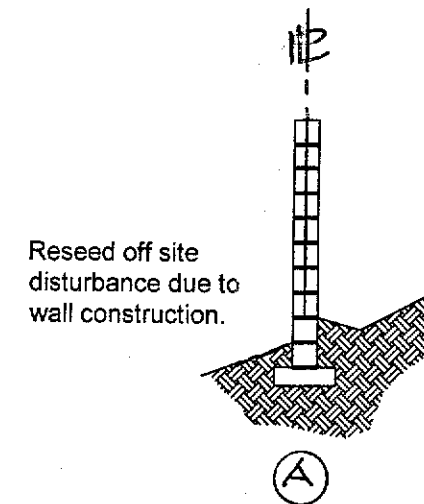
SURVEY INFORMATION PROVIDED BY ANTHONY HARRIS OF HARRIS SURVEYING, ALBUQUERQUE, NEW MEXICO.

EROSION CONTROL NOTES:

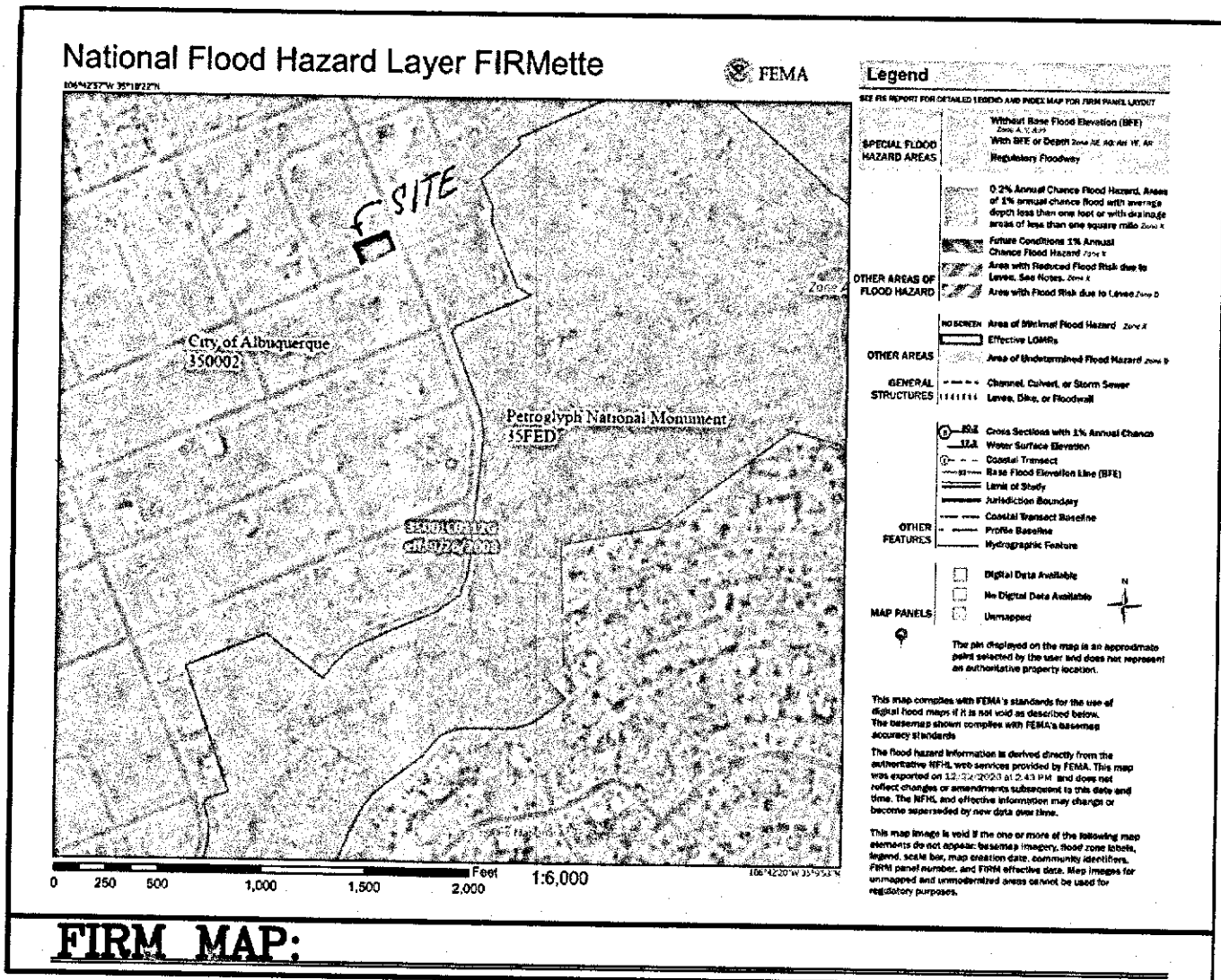
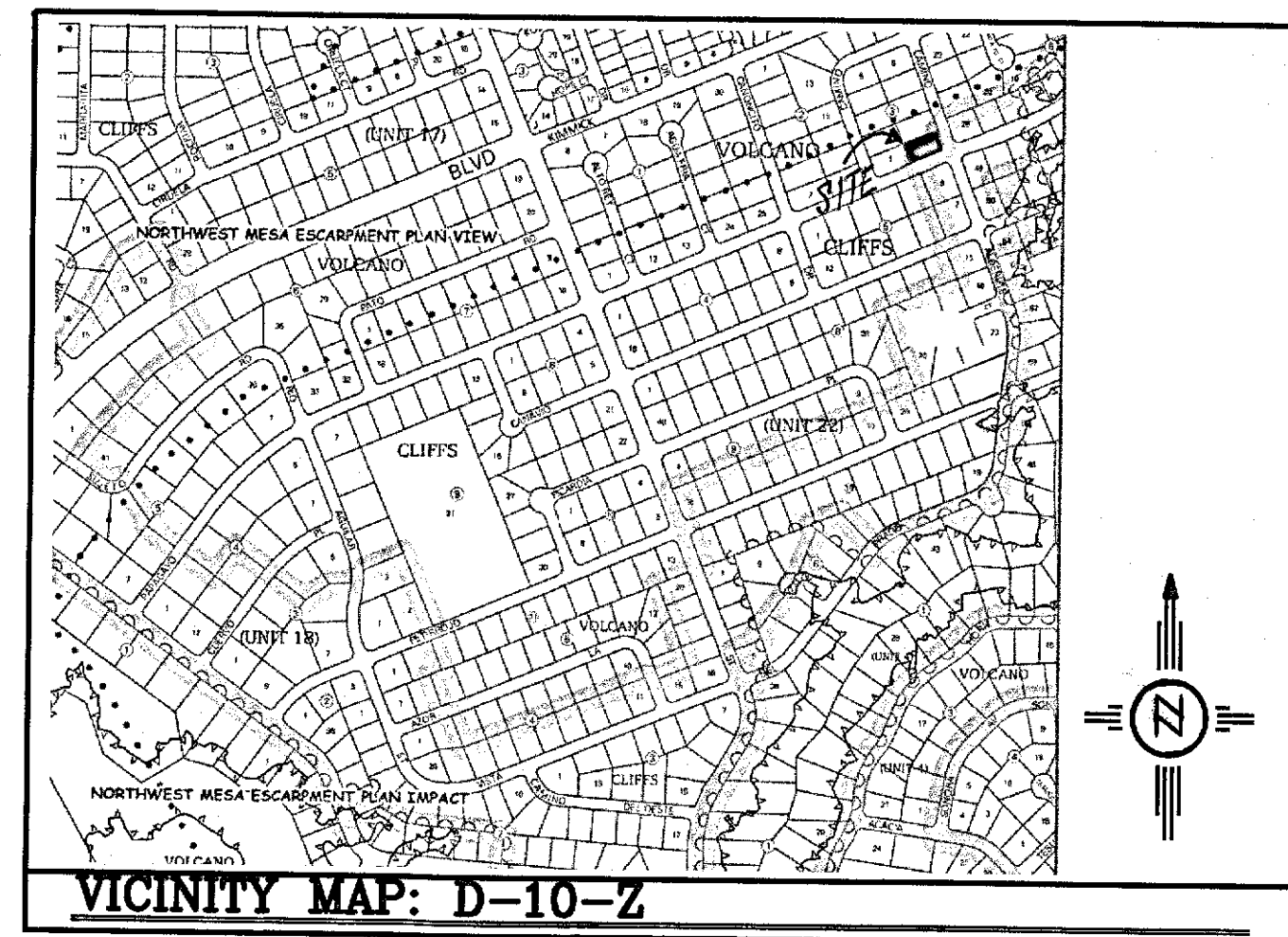
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

LEGEND

- 5322 — Existing Contour
- — — Design Contour
- ▨ New 5' CMU Wall
- x 5320.7 Existing Spot Elevation
- + 2265 Proposed Spot Elevation



5' GARDEN WALL DETAIL
NO MORE THAN 24" RETENTION
AT ANY LOCATION

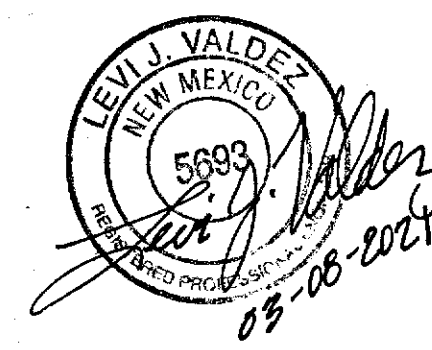


PER FEMA FIRM PANEL NO. 35001C0112G, EFFECTIVE : 09-26-2008, THE SUBJECT SITE LIES WITHIN DESIGNATED ZONE 'X', (AREA OF MINIMAL FLOOD HAZARD).

PAD CERTIFICATION:

I, LEVI J. VALDEZ HAVE PERSONALLY INSPECTED THE SUBJECT SITE; I HEREBY CERTIFY THAT THE EXISTING PAD ELEVATION SHOWN ON THE PLAN HEREON IS ONE AND THE SAME THAT IS BEING UTILIZED FOR THE DESIGN FINISH FLOOR ELEVATION OF THE PROPOSED RESIDENCE.

NOTE : CONTRACTOR TO PROVIDE ROOF GUTTERS WITH DOWNSPOUTS DIRECTED TO SPLASH BOXES SO AS TO DISSIPATE FLOW ENERGY THEN DIRECT FLOWS TO WATER HARVESTING / RETENTION PONDS.



GRADING AND DRAINAGE PLAN

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF CAMINO ALDERETE N.W. AND PAPAGUYO N.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (100 ZONE ATLAS 'D-10-2').

THE SUBJECT SITE IS AN UNDEVELOPED RESIDENTIAL PROPERTY THAT IS TO HAVE A SINGLE FAMILY RESIDENCE CONSTRUCTED THEREON, (THIS GRADING AND DRAINAGE PLAN WAS PREPARED TO SUPPORT A BUILDING PERMIT APPLICATION FOR THE ADDRESS OF 8001 CAMINO ALDERETE N.W.). A REVIEW OF THE CITY HYDROLOGY RECORDS INDICATE DEVELOPMENT OF THIS PROPERTY IS GOVERNED BY THE DRAINAGE REPORT FOR SAD-228 (D10-D003). THIS REPORT INDICATES ALLOWABLE LAND TREATMENT VALUES OF 0% A, 10% B, 40% C, AND 50% D. IF DEVELOPED DISCHARGE RATES EXCEED WHAT IS ALLOWABLE USING THESE LAND TREATMENT VALUES, MITIGATION MEASURES WILL BE REQUIRED.

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.

SITE AREA = 0.31 ACRE

PRECIPITATION ZONE : ONE (1)

"LAND TREATMENT METHOD" FOR CALCULATION OF "Qp"

PRECIPITATION : 360 = 2.17 IN.

EXCESS PRECIPITATION : PEAK DISCHARGE :

TREATMENT A	0.55 IN.	1.54 CFS/AC.
TREATMENT B	0.73 IN.	2.16 CFS/AC.
TREATMENT C	0.95 IN.	2.87 CFS/AC.
TREATMENT D	2.24 IN.	4.12 CFS/AC.

ALLOWABLE CONDITIONS :

AREA	PROPOSED CONDITIONS :
TREATMENT A	0.00 AC. = 0%
TREATMENT B	0.03 AC. = 10%
TREATMENT C	0.12 AC. = 40%
TREATMENT D	0.15 AC. = 50%

ALLOWABLE EXCESS PRECIPITATION :

WEIGHTED 'E' = (0.55 X 0.00) + (0.73 X 0.03) + (0.95 X 0.12) + (2.24 X 0.15) / 0.31 = 1.52 IN.
V100-360 = (1.52 X 0.31) / 12 = 0.039 AC. FT. = 1,699.0 CU. FT.

ALLOWABLE PEAK DISCHARGE :

Q100 = (1.54 X 0.00) + (2.16 X 0.03) + (2.87 X 0.12) + (4.12 X 0.15) = 1.02 CFS

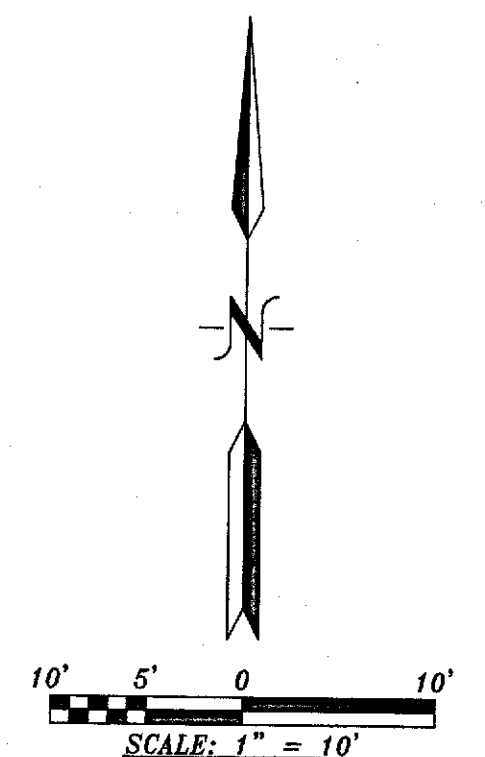
PROPOSED EXCESS PRECIPITATION :

WEIGHTED 'E' = (0.55 X 0.00) + (0.73 X 0.00) + (0.95 X 0.14) + (2.24 X 0.17) / 0.31 = 1.66 IN.
V100-360 = (1.66 X 0.31) / 12 = 0.043 AC. FT. = 1,873.1 CU. FT.

PROPOSED PEAK DISCHARGE :

Q100 = (1.54 X 0.00) + (2.16 X 0.00) + (2.87 X 0.14) + (4.12 X 0.17) = 1.10 CFS

INCREASE : V100-360 = 174.1 CU. FT. (REQUIRED PONDING = 174.1 CU. FT.)
Q = 0.08 CFS

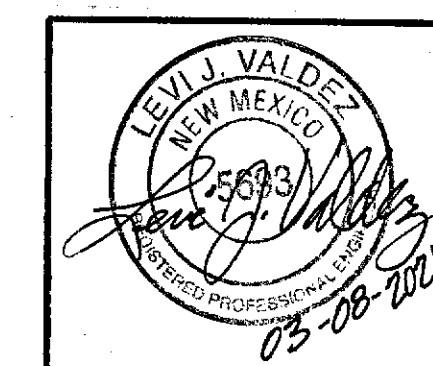


LEGAL DESCRIPTION : LOT TEN (10), IN BLOCK THREE (3), VOLCANO CLIFFS, UNIT 22, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

WATER HARVESTING / RETENTION PONDS : (MEAN DIMENSIONS WITH 3:1 SLOPES)

POND # 1.	TOP = 22.65
	BOTTOM = 22.30
	VOLUME = 122.2 CU. FT.
POND # 2.	TOP = 22.65
	BOTTOM = 22.30
	VOLUME = 114.2 CU. FT.
POND # 3.	TOP = 22.65
	BOTTOM = 22.30
	VOLUME = 78.0 CU. FT.

TOTAL VOLUME REQUIRED = 174.1 CU. FT.
TOTAL VOLUME PROVIDED = 314.4 CU. FT.



MARQUEZ ARAGON RESIDENCE

8001 CAMINO ALDERETE NW
ALBUQUERQUE, NM 87120
BERNALILLO COUNTY