

STANDARD GRADING NOTE: THE MAXIMUM GRADED SIDE SLOPE SHALL NOT EXCEED 3 FEET (HORIZONTALLY) TO 1 FOOT (VERTICALLY). AREAS DISTURBED BY GRADING WHICH WILL NOT BE TREATED WITH LANDSCAPING SHALL BE SEED.

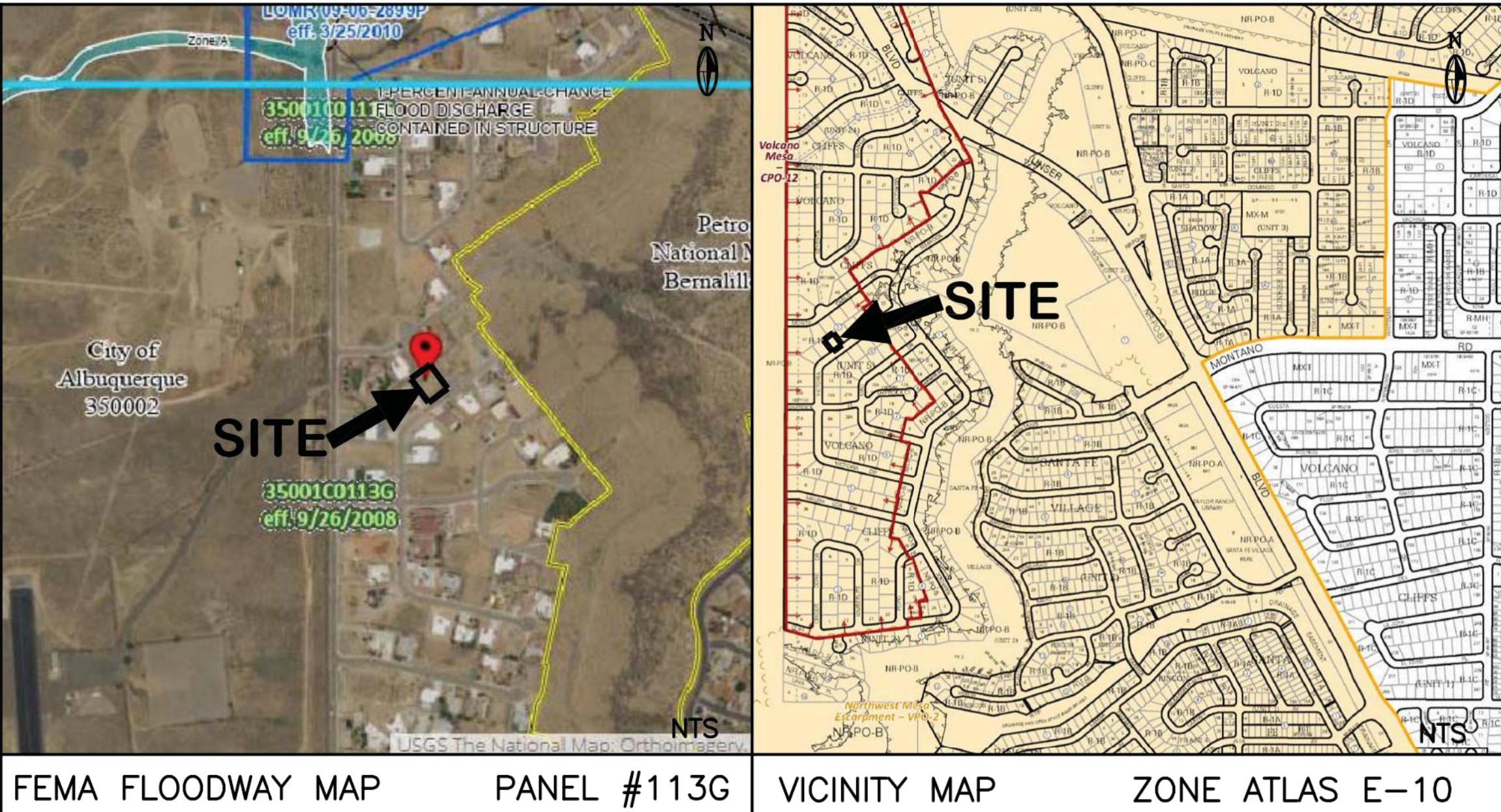
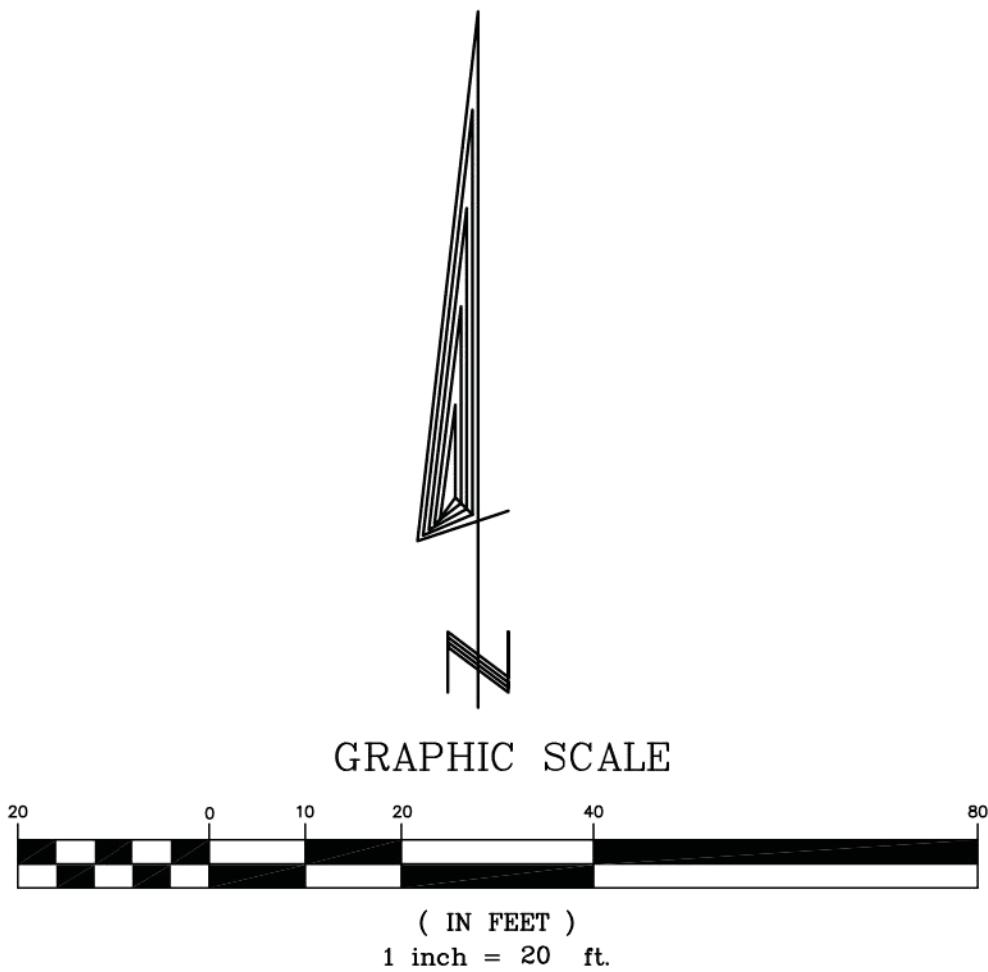
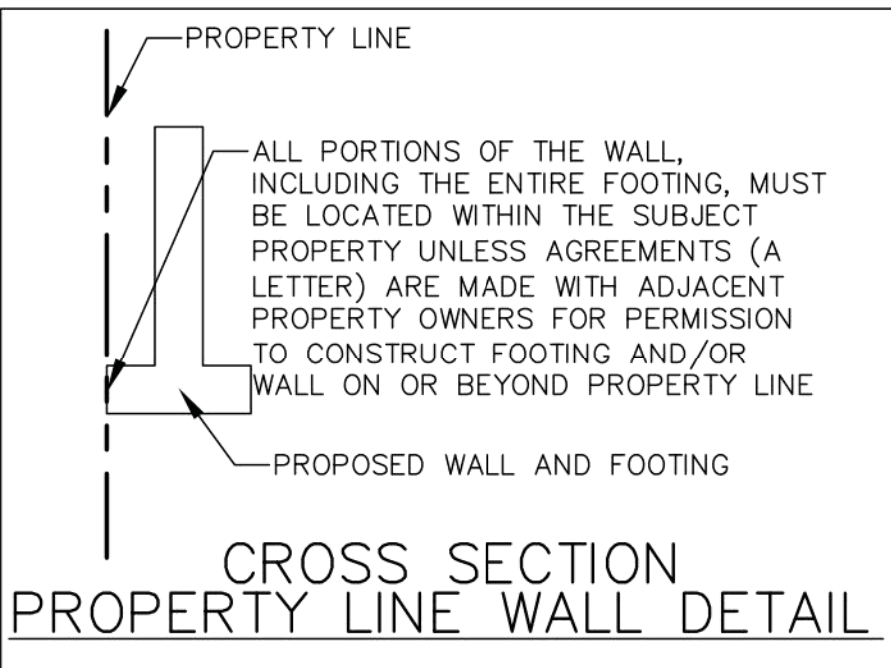
STANDARD WALL AND PAD CERTIFICATION NOTES:

ALL PERMITER GARDEN WALLS SHALL BE PERMITTED SEPARATELY.

A PAD CERTIFICATION IS REQUIRED BEFORE THE BUILDING PERMIT IS RELEASED.

This is the plan to be used for any garden walls and any openings in the walls shall be placed 3" above final grade in the rear yard to allow for cross lot drainage from west to east (upstream to downstream).

PROPERTY LINE WALLS AND GARDEN WALLS SHALL HAVE TURNED BLOCKS OR WEEP HOLES FOR DRAINAGE. ALL OPENINGS IN THE WALLS SHALL BE 3" ABOVE GRADE.



LEGAL DESCRIPTION

Lot numbered Twenty-eight (28) in Block numbered Five (5) of VOLCANO CLIFFS SUBDIVISION UNIT 5 in Bernalillo County, New Mexico, as the same is shown and designated on the Plat of said Subdivision, filed in the Office of the County Clerk of Bernalillo County, New Mexico, on November 1, 1967 in Volume D3, Folio 175.

SURVEY NOTES

- 1) Bearings and distances shown per Plat of VOLCANO CLIFFS SUBDIVISION UNIT 5 (Vol. D3, Folio 175). Monumented property corners by Anthony L. Harris, NMPS 11463.
- 2) Elevations shown hereon are NAVD 88 values GPS derived.
- 3) Any underground structure not shown is not a part of this survey.
- 4) This property is subject to pertinent easements, matters of zoning, covenants, restrictions and reservations of record.
- 5) This survey shows only those easements apparent on the ground and those disclosed in the Title Commitment prepared for this property by Fidelity Title per file # SP000128396. No title search was performed by the surveyor.

	LEGEND	
	EXISTING	PROPOSED
CONTOUR	----- 6045 -----	----- 6045 -----
PROPERTY LINE	-----	-----
ROAD	-----	-----
SETBACK	-----	-----
RETAINING WALL/WALL		-----
SPOT ELEVATION	X5320.35	*X5319.37

PAD CERTIFICATION:
The existing ground, based upon the topographic survey, is within one foot of the proposed finished floor and after taking into consideration a 4" floor slab, it is within 8" of the proposed pad, therefore, this plan should also qualify for a pad certification.

SURVEYOR'S CERTIFICATE

I, CHRISTOPHER A. MEDINA, N.M.P.L.S. NO. 15702, DO HEREBY CERTIFY THAT THE AS-BUILT INFORMATION SHOWN AND THE ACTUAL SURVEY WHICH IT WAS DERIVED FROM WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE INFORMATION SHOWN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Christopher A. Medina
CHRISTOPHER A. MEDINA
NMPLS NO. 15702

AUGUST 6, 2024
DATE



GENERAL DRAINAGE PLAN NOTES:

1. It is recommended that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.
2. This plan recommends positive drainage away from all structures to prohibit ponding of runoff adjacent to the structure. Future alterations of the grades next to the structures are not recommended.
3. Irrigation within 10 feet of any proposed structure is not recommended. Irrigation water adjacent to the structures could cause settlement.
4. This plan establishes on-site drainage and assumes no responsibility for subsurface analysis, foundation or structural design, or utility design.
5. Local codes may require all footings to be placed in natural undisturbed soil. If the contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer is recommended.
6. It is recommended that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.
7. The property boundary shown on this plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey.
8. All work shall be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction with updates.
9. All work on this project shall be performed in accordance with applicable Federal, State, and Local laws, rules, and regulations concerning construction safety and health.
10. Contactor shall ensure that no site soils/sediment or silt enters the high-of-ways during construction.
11. Areas disturbed due to construction shall be restored per City of Albuquerque Spec. 1012 native seed mix.

DRAINAGE PLAN

SCOPE:

Pursuant to the latest City of Albuquerque and Bernalillo County Ordinances, the Drainage Plan shown hereon outlines the drainage management criteria for controlling developed runoff on and exiting the project site. A single family home is proposed for the site with associated parking, access, landscaping, and utility improvements.

EXISTING CONDITIONS:

Presently, the 0.26 acre site is undeveloped. The site is bounded on the southwest, northwest, and northeast by private property, and on the southeast by Victoria Dr. NW. The site slopes gently from the northwest to the southeast. As shown on FEMA Panel #113G, the site is not located in a 100 year flood plain.

PROPOSED CONDITIONS:

Per the SAD 227 Drainage Report by Wilson & Company, drainage from the lots have been master planned to be intercepted by drainage features downstream of the properties for developments than do not exceed 36% impervious. This proposed development exceeds that amount by 10%, therefore, ponding has been provided. As shown by the plan, the building is located in the center of the lot. Negligible off-site flows enter the site due to existing grades from the northwest and will continue to be allowed to historically flow through the site. On site flows will drain around the structure to new grades and flow to ponding areas (sediment capture ponds). All roof drainage will discharge from the roof to the lot and be directed around the structure to the drainage paths.

Supplemental calculations are shown as part of this Grading and Drainage plan.

CALCULATIONS:

The calculations shown hereon define the 100 year-6 hour design storm falling within the project area under existing and developed conditions. The Hydrology is per the City of Albuquerque, New Mexico in cooperation with Bernalillo County, New Mexico and the Albuquerque Metropolitan Arroyo Flood Control Authority.

PROPERTY ADDRESS:

8024 Victoria Dr NW, Albuquerque, NM 87120

TOPOGRAPHY:

Topographic information provided by Christopher Dehler dated December, 2022.

SOUTHEAST POND VOLUME PROVIDED:		
ELEV.	AREA (SF)	VOL. (CF)
5320	642	160.5
5319.5	0	
SOUTHWEST POND VOLUME PROVIDED:		
ELEV.	AREA (SF)	VOL. (CF)
5320	139	34.75
5319.5	0	
TOTAL POND VOL PROVIDED		195.25

ZONE 1

Areas: (acres)	Existing	Proposed
Treatment A	0.26	0.00
Treatment B	0.00	0.07
Treatment C	0.00	0.07
Treatment D	0.00	0.12
Total (acres) =	0.26	0.26

Volume	100 year Existing	100 year Proposed	10 year Existing	10 year Proposed	2 year Existing	2 year Proposed
Volume (acre-feet) =	0.010	0.029	0.002	0.016	0.000	0.008
Volume (cubic feet) =	415	1,280	76	708	0	347

FIRST FLUSH REQUIRED POND VOL = $0.34"/(12"/FT)*(0.12\text{ AC} * 43560\text{ SF/AC}) = 148\text{ CF}$

Total Q(p), cfs:	100 year Existing Q(p)*A	100 year Proposed Q(p)*A	10 year Existing Q(p)*A	10 year Proposed Q(p)*A	2 year Existing Q(p)*A	2 year Proposed Q(p)*A
Treatment A	0.34	0.00	0.06	0.00	0.00	0.00
Treatment B	0.00	0.14	0.00	0.05	0.00	0.00
Treatment C	0.00	0.20	0.00	0.10	0.00	0.03
Treatment D	0.00	0.52	0.00	0.35	0.00	0.20
Total Q (cfs) =	0.34	0.87	0.06	0.50	0.00	0.24

CERTIFICATE OF OCCUPANCY

DRAINAGE CERTIFICATION WITH SURVEY WORK BY PROFESSIONAL SURVEYOR

I, Jackie McDowell, NMPE #10903, of the firm McDowell Engineering, Inc., 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 2-10-23. The record information edited onto the original design document has been obtained by Christopher Medina, NMPS #15702 of the firm Terra Land Surveys, LLC. I further certify that I have personally visited the project site on September 5, 2024 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 Certificate of Occupancy. 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.



AS-BUILT ENGR. CERTIF. 9-5-24

ENGINEER'S CERTIFICATION:

I, Jackie S. McDowell, hereby certify that I personally inspected the site shown on this plan on February 1, 2023 and as of that date it appeared that no filling, grading, or excavation had occurred thereon since completion of the topographic survey used to prepare this plan.

8024 Victoria Dr NW, Albuquerque, NM 87120

CITY OF ALBUQUERQUE, BERNALILLO COUNTY NEW MEXICO

LOT 28, BLOCK 5, UNIT 5
VOLCANO CLIFFS SUBDIVISION

BARGAS, MARTIN - G & D PLAN

McDowell Engineering, Inc.

7820 BEVERLY HILLS AVE. NE • ALBUQUERQUE, NM 87122
TELE: 505-828-2430 • FAX: 505-821-4857

Designed JSM Drawn STAFF Checked JSM Sheet of
File BAR0123L Date FEBRUARY,2023 1 1