

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

September 18, 2025

Luis Noriega
Tierra West, LLC
5571 Midway Park Place NE
Albuquerque, NM 87109

**RE: Paseo and Kimmick East
99999 Valiente Rd NW
Conceptual Grading & Drainage Plan
Engineer's Stamp Date: 08/26/2025
Hydrology File: C11D010
Case # HYDR-2025-00311**

Dear Mr. Noriega:

PO Box 1293

Albuquerque

Based upon the information provided in your submittal received 08/27/2025, the Conceptual Grading & Drainage Plan is preliminary approved for action by the Development Facilitation Team (DFT) / Development Hearing Officer (DHO) on Site Plan for Building Permit and platting action.

PRIOR TO BUILDING PERMIT:

NM 87103

1. Please submit a more detailed Grading & Drainage Plan to Hydrology for review and approval.

www.cabq.gov

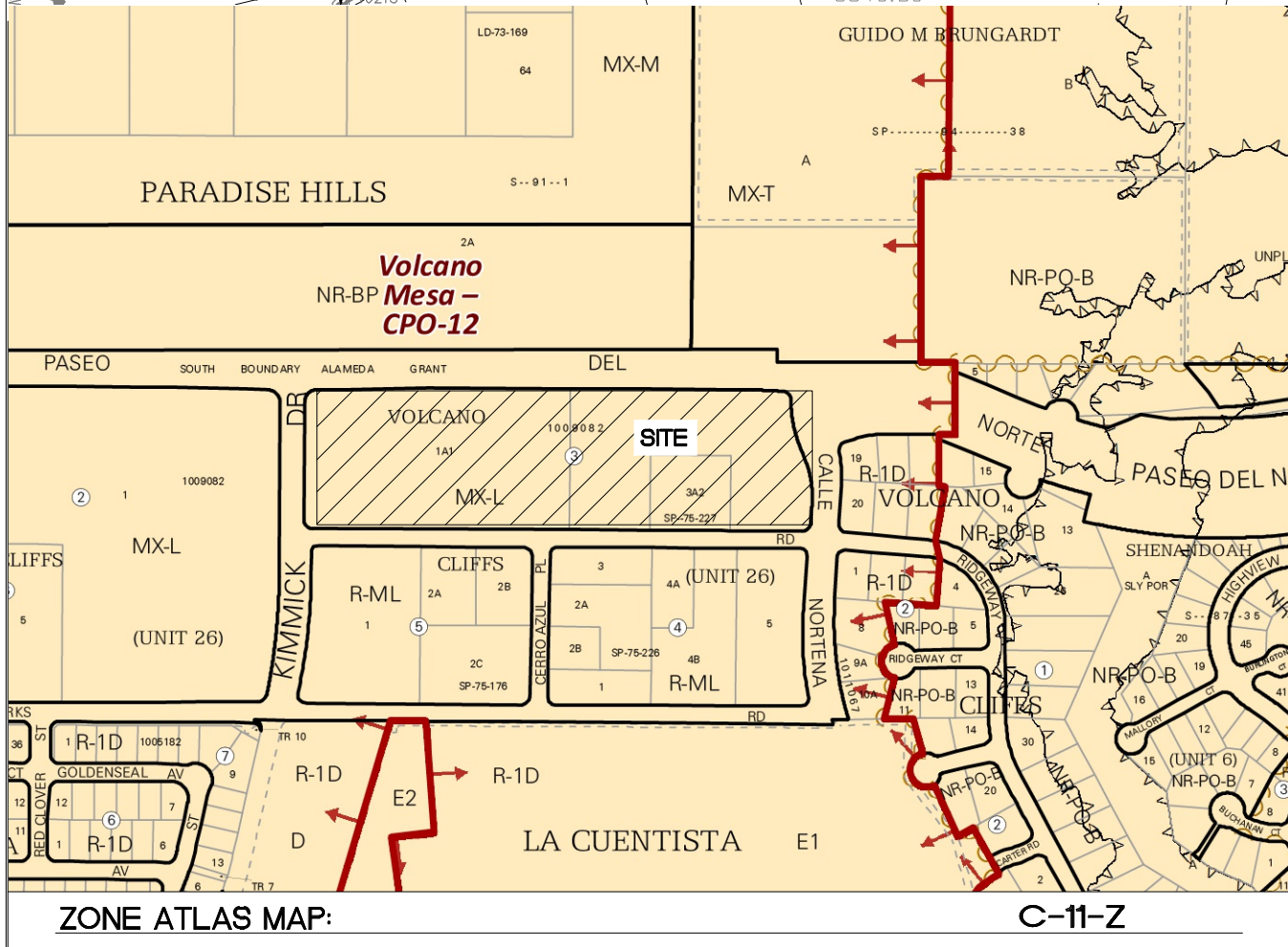
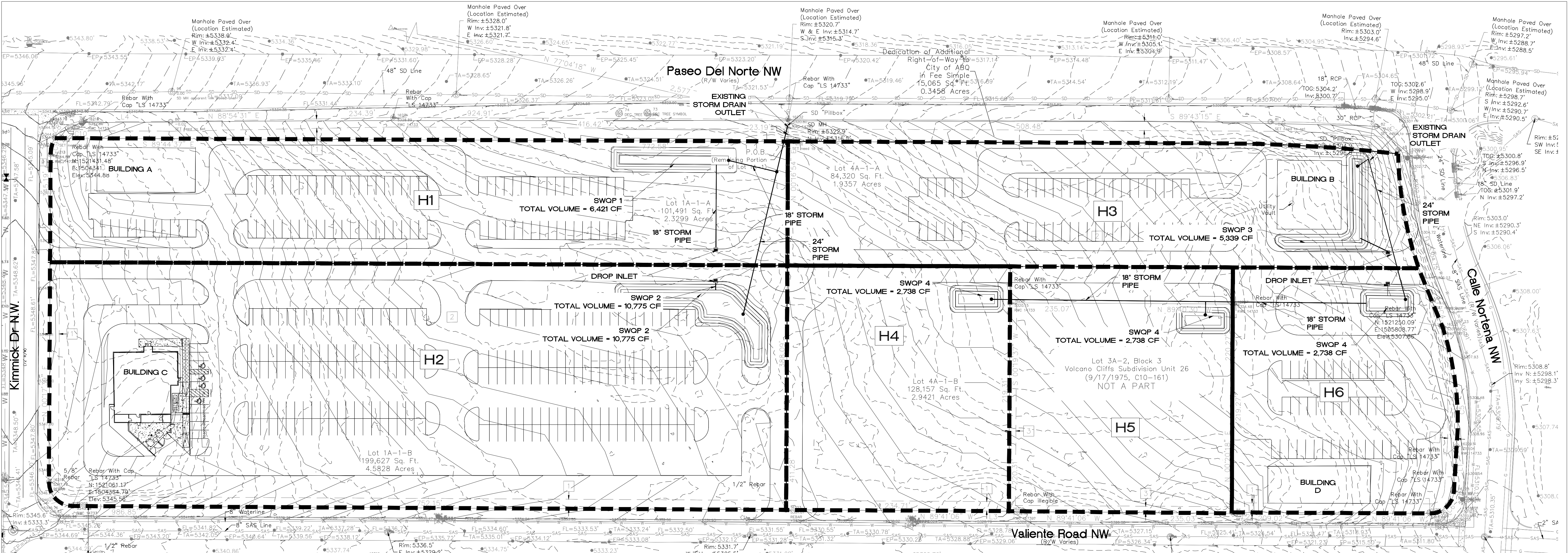
As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

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

Sincerely,

Anthony Montoya, Jr., P.E., C.F.M.
Senior Engineer, Hydrology
Planning Department, Design Review Services

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DPM CH 6 Weighted E Method

Precipitation Zone 1
PASEO AND KIMMICK EAST SIDE LOTS
PASEO AND KIMMICK EAST SIDE
TWLLC

Date 8/26/2025

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed

Volume = Weighted E * Total Area

Flow = Qa*Aa + Qb*Ab + Qc*Ac + Qd*Ad

6 Hr Excess Precipitation, E (in.)			
Zone 1	100-Year	10-Year	
Ea	0.55	0.08	
Eb	0.73	0.22	
Ec	0.95	0.44	
Ed	2.24	1.24	

Peak Discharge (cfs/acre)			
Zone 1	100-Year	10-Year	
Qa	1.54	0.3	
Qb	2.16	0.81	
Qc	2.87	1.46	
Qd	4.12	2.57	

Existing Conditions

Basin Descriptions											100-Year, 6-Hr		
Basin ID	Tract	Area (sf)	Area (acres)	Area (sq miles)	Treatment A %	Treatment B %	Treatment C %	Treatment D %	Weighted E (in)	Volume (ac-ft)	Flow cfs	Flow cfs	Flow CF
H1		101,495	2.33	0.00364	100%	2.330	0%	0.000	0%	0.000	0.550	0.107	3.59
H2		199,634	4.58	0.00716	100%	4.583	0%	0.000	0%	0.000	0.550	0.210	7.06
H3		84,319	1.94	0.00302	100%	1.936	0%	0.000	0%	0.000	0.550	0.089	2.98
H4		60,476	1.39	0.00217	100%	1.388	0%	0.000	0%	0.000	0.550	0.064	2.14
H5		60,672	1.39	0.00218	100%	1.393	0%	0.000	0%	0.000	0.550	0.064	2.14
H6		58,664	1.35	0.00210	100%	1.347	0%	0.000	0%	0.000	0.550	0.062	2.07
Total		565,260	12.98	0.02028		12.977	0.000	0.000	0.000		0.595	19.98	

Proposed Conditions

Basin Descriptions												100-Year, 6-Hr				
Basin	Tract	Area	Area	Area	Treatment A	Treatment B		Treatment C		Treatment D		Weighted E	Volume	Flow	SWQV	
ID		(sf)	(acres)	(sq miles)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(in)	(ac-ft)	cfs	CF
D1		101,495	2.33	0.00364	0%	0.000	5%	0.117	15%	0.350	80%	1.864	1.971	0.383	8.93	2841.860
D2		199,634	4.58	0.00716	0%	0.000	5%	0.229	15%	0.687	80%	3.666	1.971	0.753	17.57	5589.752
D3		84,319	1.94	0.00302	0%	0.000	5%	0.097	15%	0.290	80%	1.549	1.971	0.318	7.42	2360.932
D4		60,476	1.39	0.00217	0%	0.000	5%	0.069	15%	0.208	80%	1.111	1.971	0.228	5.32	1693.328
D5		60,672	1.39	0.00218	0%	0.000	5%	0.070	15%	0.209	80%	1.114	1.971	0.229	5.34	1698.816
D6		58,664	1.35	0.00210	0%	0.000	5%	0.067	15%	0.202	80%	1.077	1.971	0.221	5.16	1642.592
Total		565,260	12.98	0.02028		0.000		0.649		1.946		10.381		2.131	49.759	15827.280

EXISTING CONDITIONS

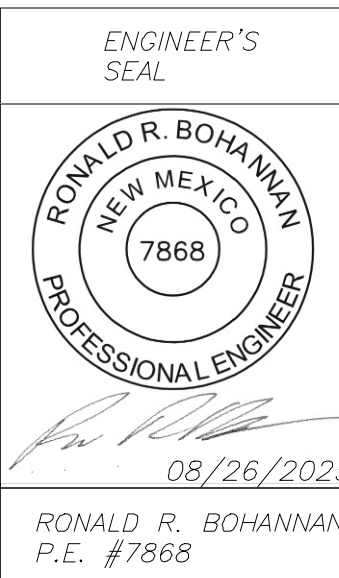
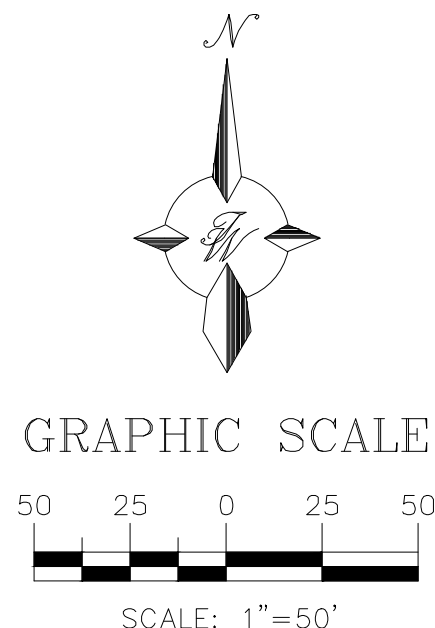
THE SUBJECT SITE IS CURRENTLY VACANT WITH GROWING VEGETATION. BASED ON THE TOPOGRAPHY, RUNOFF SURFACE FLOWS SOUTH TO NORTH, WHILE A PORTION FLOWS TOWARDS THE NORTHEAST (CENTER) AND THE OTHER THE NORTHWEST (END) AND THERE ARE TWO EXISTING STORM DRAIN INLETS. PER THE VOLCANO HEIGHTS CONCEPTUAL DRAINAGE COMPILATION PLAN (HYDRONUM:C090000) THE SUBJECT SITE IS ALLOWED TO FREE FLOW TOWARDS THE EXISTING STORM DRAIN ALONG PASEO DEL NORTE.

PROPOSED CONDITIONS

FUTURE DEVELOPMENTS SHALL MANAGE THE FIRST FLUSH VOLUME AS REQUIRED BY CURRENT CITY OF ALBUQUERQUE STANDARDS AND REQUIREMENTS. THERE ARE TWO EXISTING STORM DRAIN INLETS THAT MAY BE UTILIZED TO MANAGE DEVELOPED FLOWS VIA SURFACE FLOW OR A DEDICATED STORM DRAIN SYSTEM AS SHOWN ON THE CONCEPTUAL GRADING AND DRAINAGE PLAN.

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT-OF-WAY
- BUILDING
- PROPOSED SIDEWALK
- RETAINING WALL
- CONTOUR MAJOR
- CONTOUR MINOR
- SPOT ELEVATION
- FLOW ARROW
- EXISTING CONCRETE SIDEWALK
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING SPOT ELEVATION
- BASIN BOUNDARY



PASEO AND KIMMICK EAST
ALBUQUERQUE, NM
CONCEPTUAL GRADING
AND DRAINAGE PLAN

TERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NM 87109
(505) 858-3100
www.tierrawestllc.com

DRAWN BY
LN
DATE
08/26/2025
2025057_BASINS
SHEET #
GR-0
JOB #
2025057