

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

NM 87103

www.cabq.gov

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:

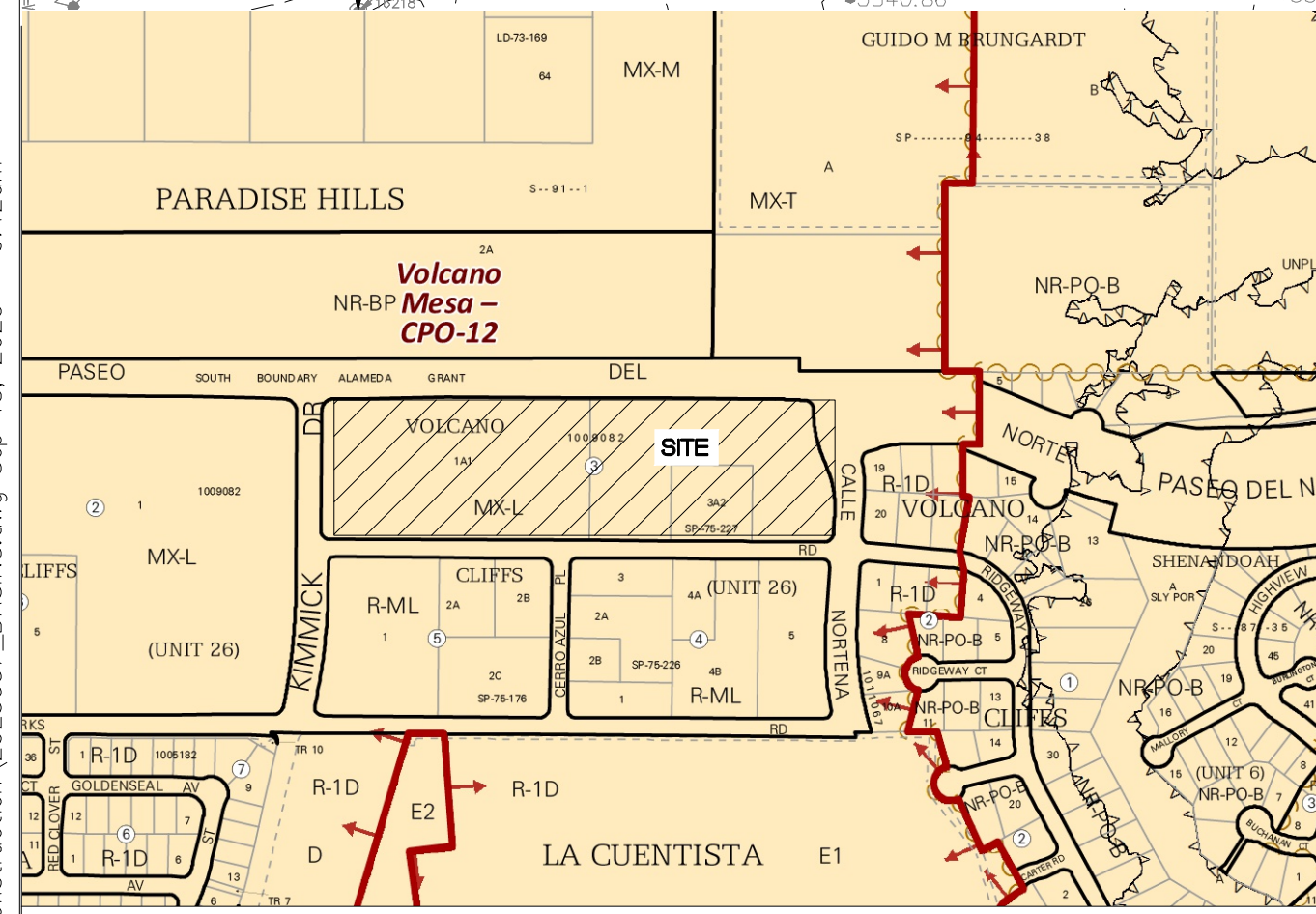
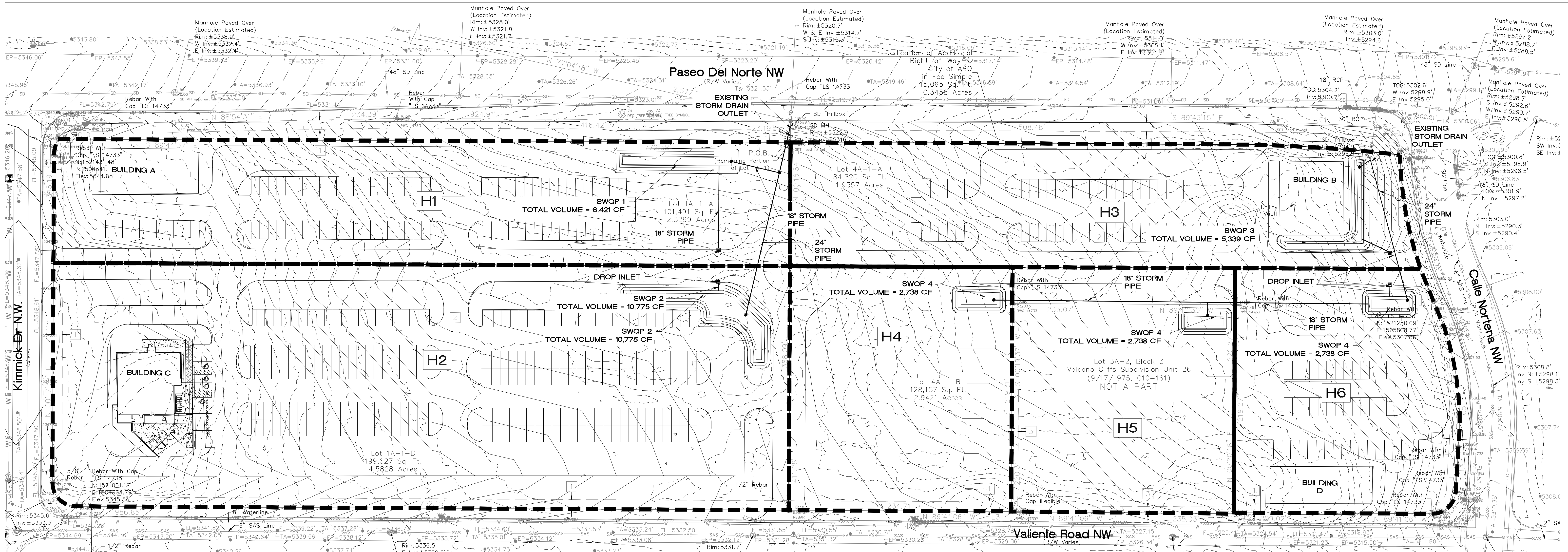
1. Please submit a more detailed Grading & Drainage Plan to Hydrology for review and approval.

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



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

Proposed Conditions

Basin ID	Tract	Basin Descriptions			100-Year, 6-Hr											
		Area (sf)	Area (acres)	Area (sq miles)	Treatment A %	Treatment B %	Treatment C %	Treatment D %	Weighted E (in)	Volume (ac-ft)	Flow (cfs)	Flow (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	10.381	2.131	49.759	1582.280			

EXISTING CONDITIONS

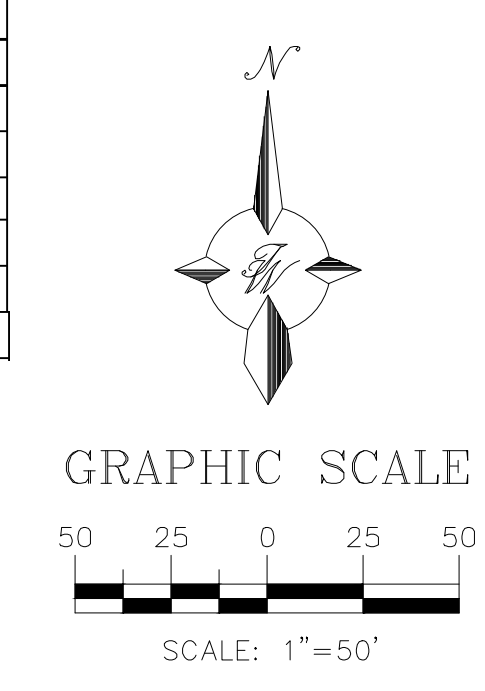
THE SUBJECT SITE IS CURRENTLY VACANT WITH GROWING VEGETATION. BASED ON THE TOPOGRAPHY, RUNOFF SURFACE FLOWS SOUTH TO NORTH, WHILE A PORTION FLOWS TOWARDS THE NORTHEAST (CENTER) AND THE OTHER THE NORTHWEST (END) AND THERE ARE TWO EXISTING STORM DRAIN INLETS. PER THE VOLCANO HEIGHTS CONCEPTUAL DRAINAGE COMPILATION PLAN (HYDRONUM:090000) 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



ENGINEER'S SEAL
 RONALD R. BOHANNAN
 NEW MEXICO
 7868
 PROFESSIONAL ENGINEER
 08/26/2025
 RONALD R. BOHANNAN
 P.E. #7868

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.tierwestllc.com

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