

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

September 6, 2023

Sheldon Greer, P.E.
Respec
5971 Jefferson St. NE
Albuquerque, NM 8710

RE: Volcano Mesa at The Trails – Lots 1 to 5 & Lots 43 to 48
Request for Pad Certification – Accepted
Engineer's Certification Date: 08/15/23
Engineer's Stamp Date: 04/01/22
Hydrology File: C09D001H

Dear Mr. Greer:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your Certification received 08/16/2023, the above referenced Certification is acceptable for Building Pad Certification for **Volcano Mesa at The Trails – Lots 1 to 5 & Lots 43 to 48**. Please attach a copy of this approval letter and approved Grading & Drainage Plan with each lot's Building Permit submittal. Please note that submittal to Hydrology for Permanent Release of Occupancy will not be needed.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Volcano Mesa at The Trails **Building Permit #:** _____ **Hydrology File #:** C09D001H
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: Volcano Mesa at the Trails / Tract 2, Unit 2, The Trails
City Address: UPC 100906444647910105

Applicant: DR Horton **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: RESPEC **Contact:** Sheldon Greer, PE
Address: 7770 Jefferson Street NE, Suite 200, Albuquerque NM 87109
Phone#: 505.264.0472 **Fax#:** _____ **E-mail:** sheldon.greer@respec.com

TYPE OF DEVELOPMENT: X (72) PLAT (# of lots) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE _____

IS THIS A RESUBMITTAL? X Yes _____ No _____

DEPARTMENT _____ TRANSPORTATION _____ X HYDROLOGY/DRAINAGE

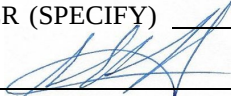
Check all that Apply:

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: 08/16/2023 **By:** Sheldon Greer, PE 

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



August 16, 2023

Tiequan Chen, PE
Principal Engineer, Hydrology
development review services
City of Albuquerque
600 2nd Street NW
Albuquerque, NM 87102

RE: Grading and Drainage Certification, Volcano Mesa at the Trails / Lots 1-5 and
Lots 43 – 48 / UPC 100906444647910105 / Hydrology File C09D001H

Dear Tiequan,

We are re-submitting a grading and drainage certification for the Volcano Mesa at the Trails subdivision for those lots (Lots 1-5 and Lots 43 – 48) previously not accepted for certification. See attached letter dated July 11, 2023.

Enclosed for your review is the Grading and Drainage Certification. These lots have been graded; retaining walls and curb and gutter have been constructed.

After reviewing these as-built elevations and visiting the site on 08/08/2023, it is my belief that the above lots have been graded in substantial compliance with the approved grading and drainage plan.

Your review and approval is requested for Building Permit Approval for the above listed Lots. I appreciate your time and consideration. If you have questions or require additional information, please contact me at (505) 264-0472.

Sincerely,

Sheldon Greer, PE
Senior Project Manager
Community Design Solutions

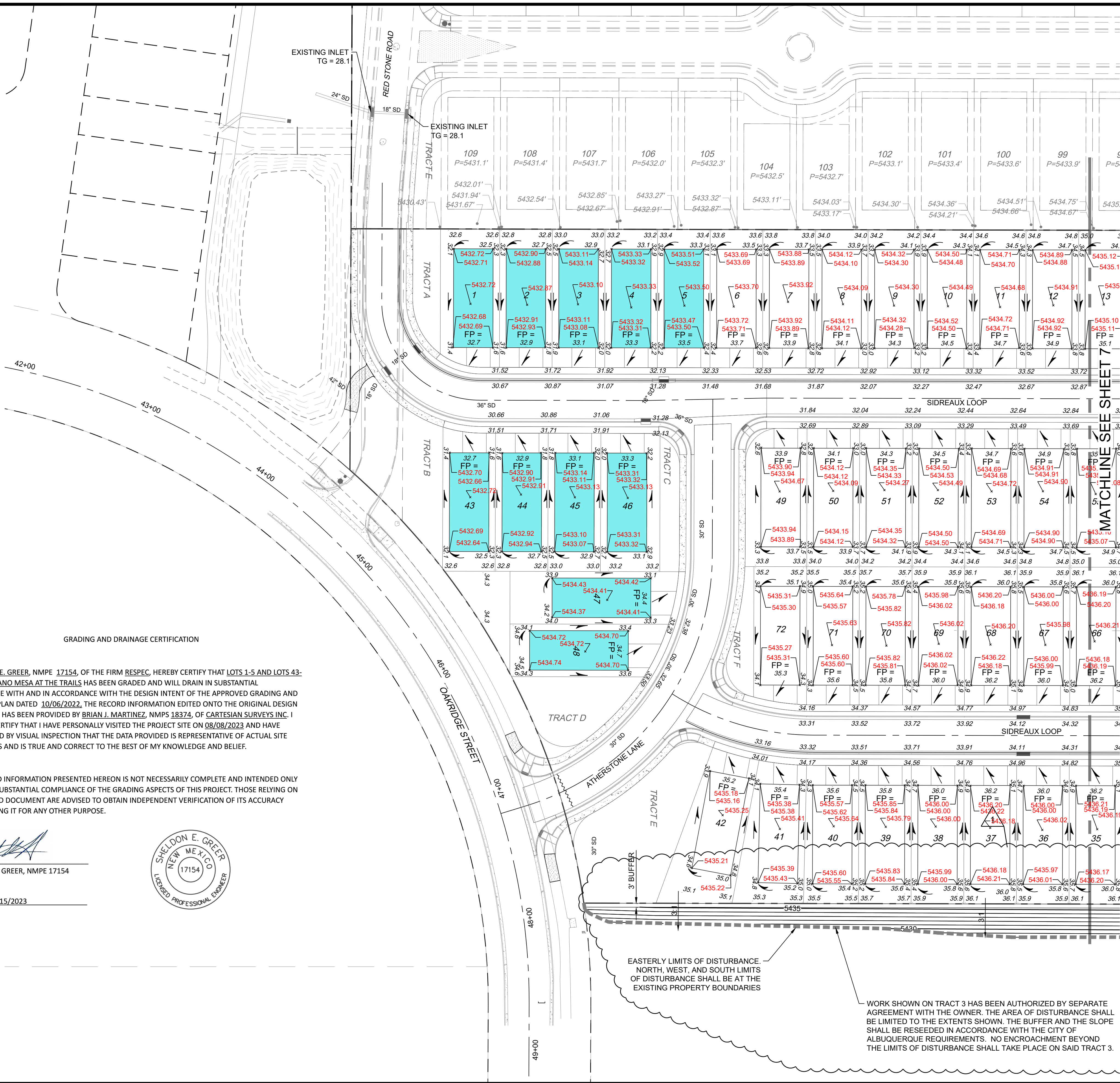
7770 JEFFERSON ST., NE
SUITE 200
ALBUQUERQUE, NM 87109
505.268.2661

N:\Projects\W0021 DR Horton\W0021.01 Overall Grading Plan Cert Lots 1-5, 43-48.dwg Wed, 9/06/23 - 11:07, LSB, Lu-Venus Mayas

I, SHELDON E. GREER, NMPE 17154, OF THE FIRM RESPEC, HEREBY CERTIFY THAT LOTS 1-5 AND LOTS 43-48 AT VOLCANO MESA AT THE TRAILS HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 10/06/2022, THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN PROVIDED BY BRIAN J. MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 08/08/2023 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

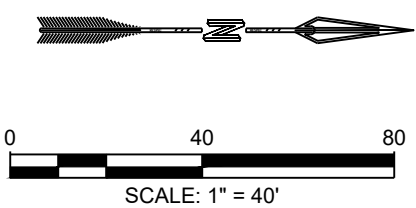
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.


SHELDON E. GREER, NMPE 17154
DATE 08/15/2023



NOTES:

- CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.
- THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER.
- CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.



RESPEC

COMMUNITY DESIGN SOLUTIONS
7770 JEFFERSON STREET NE, SUITE 200
ALBUQUERQUE, NEW MEXICO 87109
WWW.RESPEC.COM PHONE: (505)253-9718



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

VOLCANO MESA AT THE TRAILS
GRADING CERT 1

Design Review Committee

City Engineer Approval

FOR INFORMATION ONLY

Project No. 738489

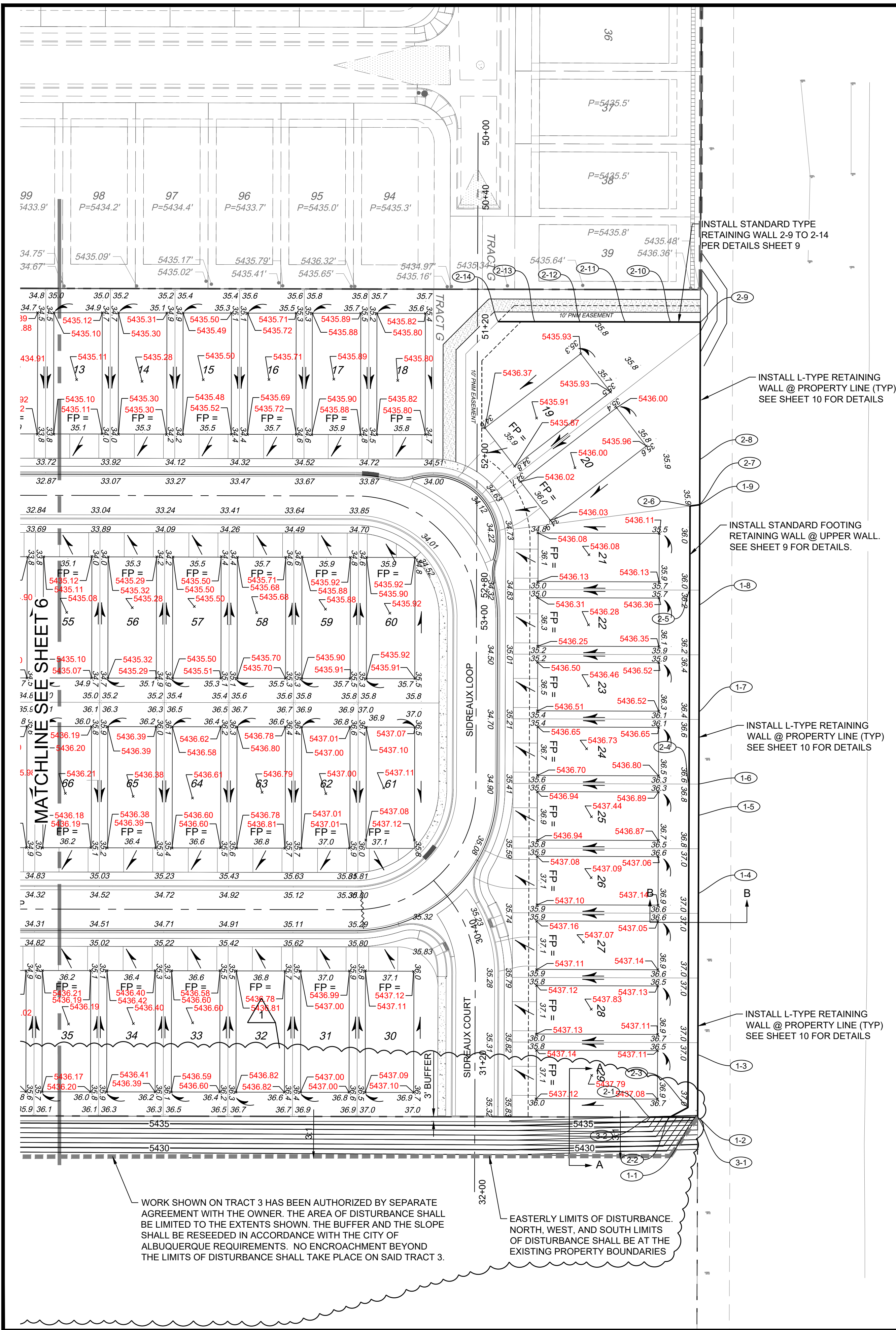
Zone Map No. C-9-Z

Sheet 6 of 31

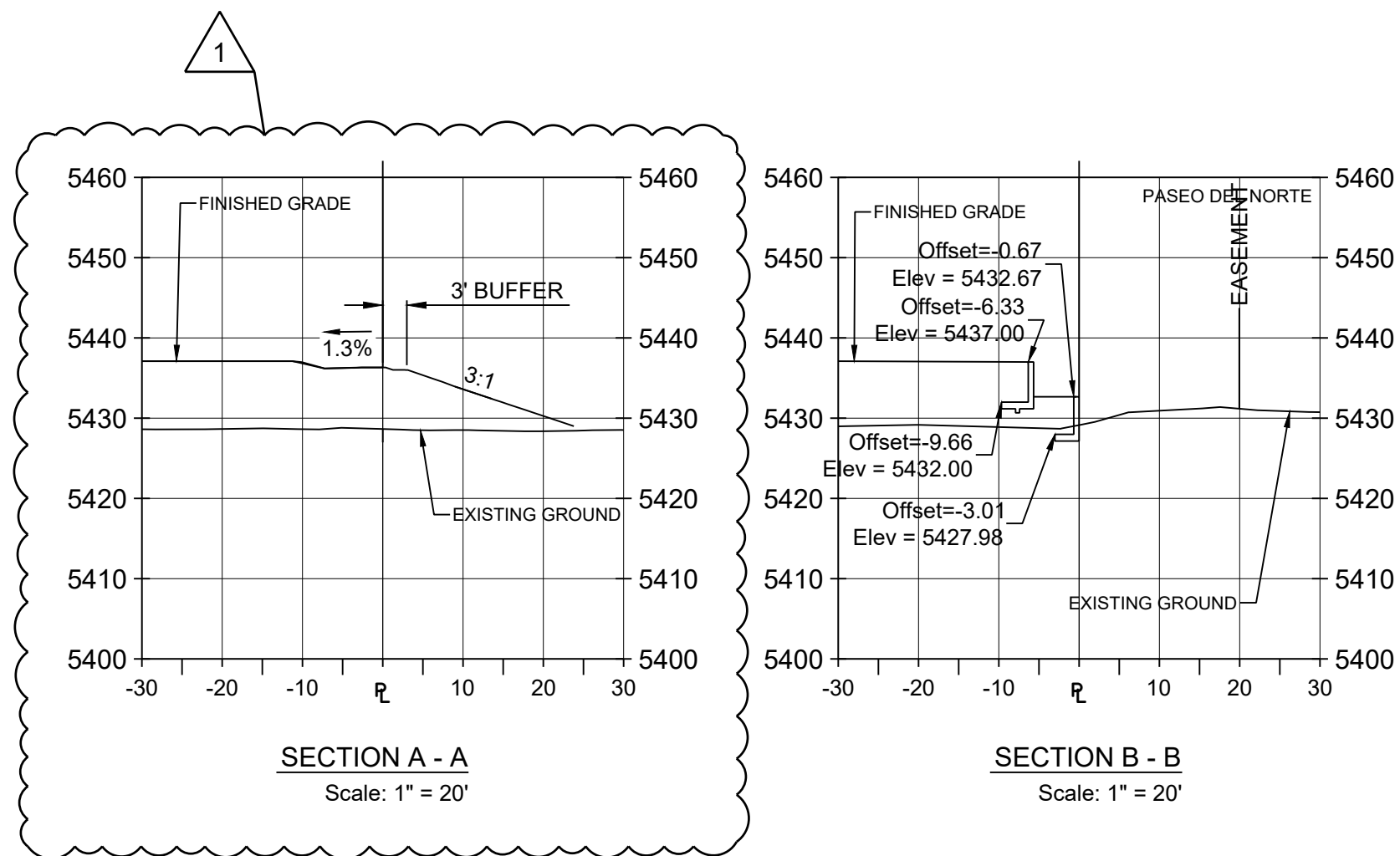
Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION		
NO.	FIELD NOTES		ALBUQUERQUE CONTROL SURVEY	MONUMENT "UNION" NEW MEXICO	CONTRACTOR		
	BY	DATE			WORK SUPPORTED BY	DATE	
			STATE PLANE COORDINATES (CENTRAL		INSPECTOR BY	DATE	
			ZONE - NAD 83)		ACCEPTANCE BY	DATE	
					FIELD DRAWINGS	DATE	
			NORTH= 1,523,503.475 FEET		CORRECTED BY	DATE	
			EAST= 1,493,655.03 FEET		MICRO-FILM INFORMATION		
			MAPPING ANGLE= 00°16'58.96"		RECORDED BY	DATE	
			GROUND TO GRID FACTOR= 0.9986436		No.		
			ELEVATION= 5524.95 FEET				

N:\Projects\W0021 DR Horton\Tract 2\Trails\3 DWG\Sheets\W0021.01 Overall Grading Plan Cert Lots 1-5, 43-48.dwg Wed, 9/06/23 - 11:08, LSB, Lu-Venus Mayas

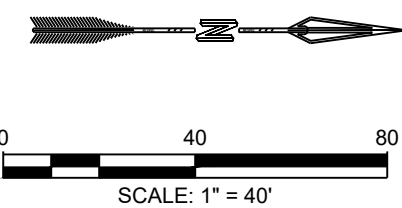


RETAINING WALL TABLE				
WALL POINT	TOP OF WALL	TOP OF FOOTING ELEVATION	WALL HEIGHT (FT)	APPROX. DISTANCE
1-1	32.67	31.33		
1-2	32.67	STEP FOOTING	VARIES	17.2
1-3	32.67	27.33/28.00	5.33	39.0
1-4	32.67	28.00/28.67	4.67	99.0
1-5	32.67	28.67/29.33	4.00	47.0
1-6	32.67	29.33/30.00	3.33	19.0
1-7	32.67	30.00/30.67	2.67	44.0
1-8	32.67	30.67/31.33	1.33	66.1
1-9	32.67	31.33	1.33	62.0
2-1	37.33	36.00		
2-2	37.33	STEP FOOTING	VARIES	12.5
2-3	37.33	32.00	5.33	12.6
2-4	37.33/36.67	32.00	5.33	200.0
2-5	36.67/36.00	32.00	4.67	120.0
2-6	36.00	32.00	4.00	52.0
2-7	36.00	32.00/31.33	4.00	6.0
2-8	36.00	31.33/32.00	4.67	28.0
2-9	36.00	32.00	4.00	18.5
2-10	36.00	32.00/32.67	3.33	28.0
2-11	36.00	32.67/33.33	2.67	28.0
2-12	36.00	33.33/34.00	2.00	28.0
2-13	36.00	34.00/34.67	1.33	21.0
2-14	36.00	34.67		



NOTES:

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- THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER.
- CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.



RESPEC

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

VOLCANO MESA AT THE TRAILS
GRADING CERT 2

Design Review Committee

City Engineer Approval

FOR INFORMATION ONLY

Project No. 738489

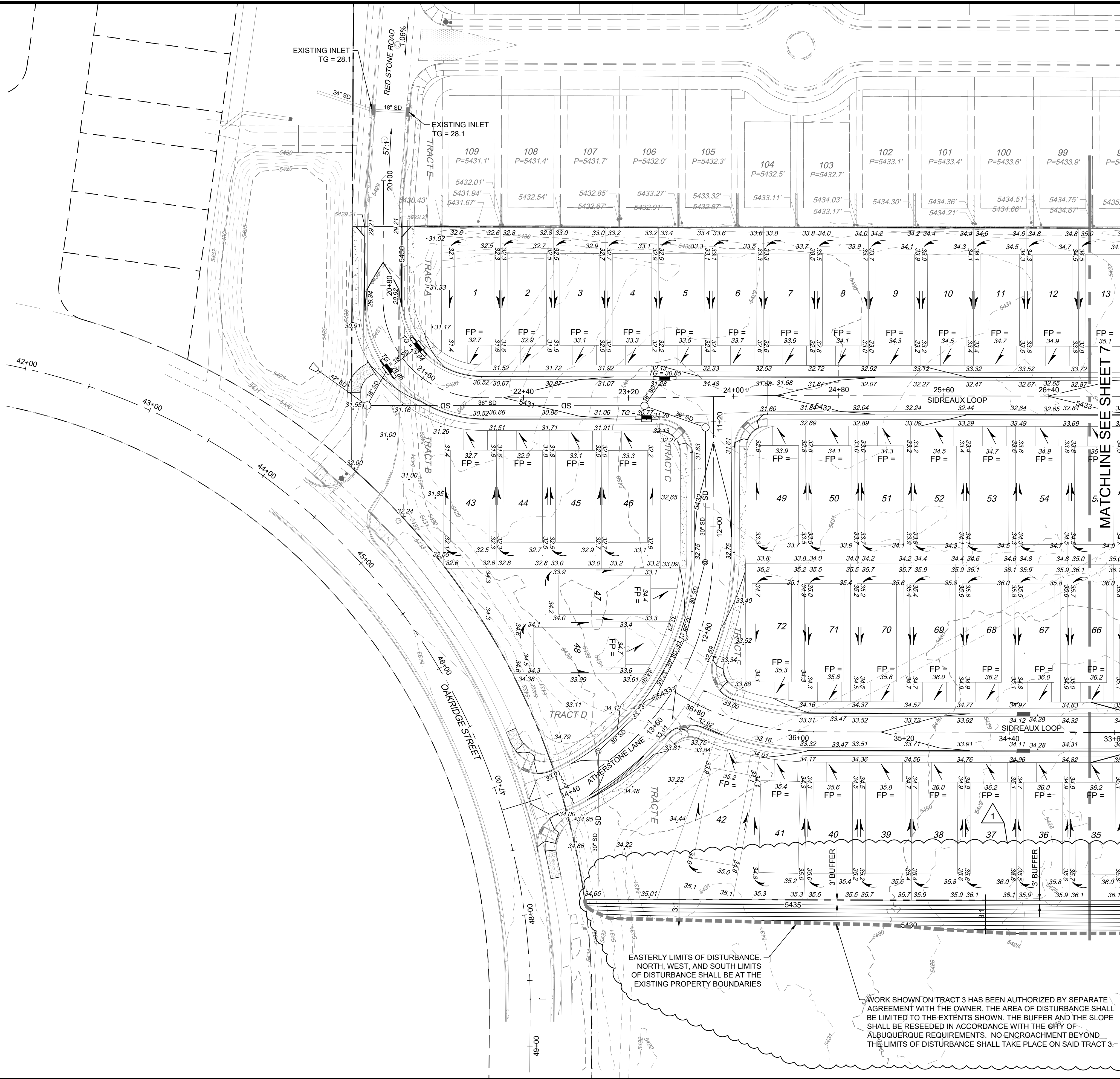
Zone Map No. C-9-Z

Sheet 7 of 31

Last Design Update

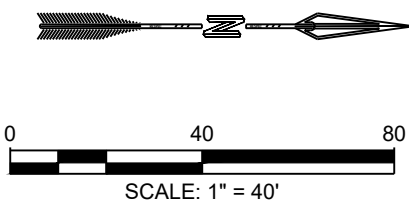
SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
NO.	FIELD NOTES		CONTRACTOR	ALBUQUERQUE CONTROL SURVEY	DATE	MONUMENT "UNION" NEW MEXICO	INSPECTOR'S FIELD	DATE
	BY	DATE						
						STATE PLANE COORDINATES (CENTRAL		
						ZONE - NAD 83)		
						NORTH = 1523.503.475 FEET		
						EAST = 1,493,655.03 FEET		
						MAPPING ANGLE = 00°16'58.96"		
						GROUND TO GRID FACTOR = 0.9986436		
						ELEVATION = 5524.95 FEET		

N:\Projects\W0021 DR Horton\W0021.01 Overall Grading Plan.dwg Wed, 10/26/22 - 1029_LSB: Sid, Gariss



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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

VOLCANO MESA AT THE TRAILS
GRADING PLAN

Design Review Committee

City Engineer Approval

Last Design Update

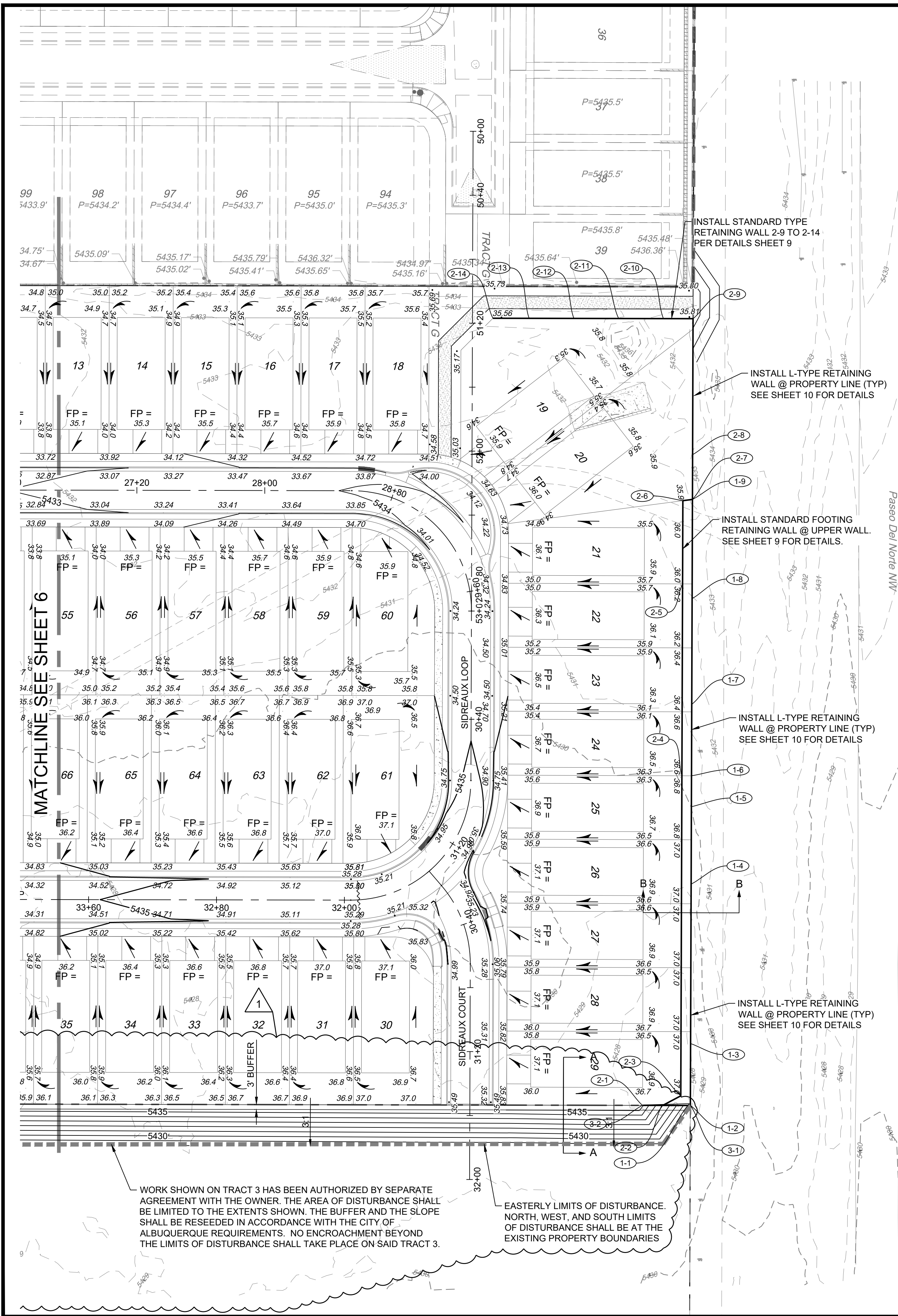
Project No. 738489

Zone Map No. C-9-Z

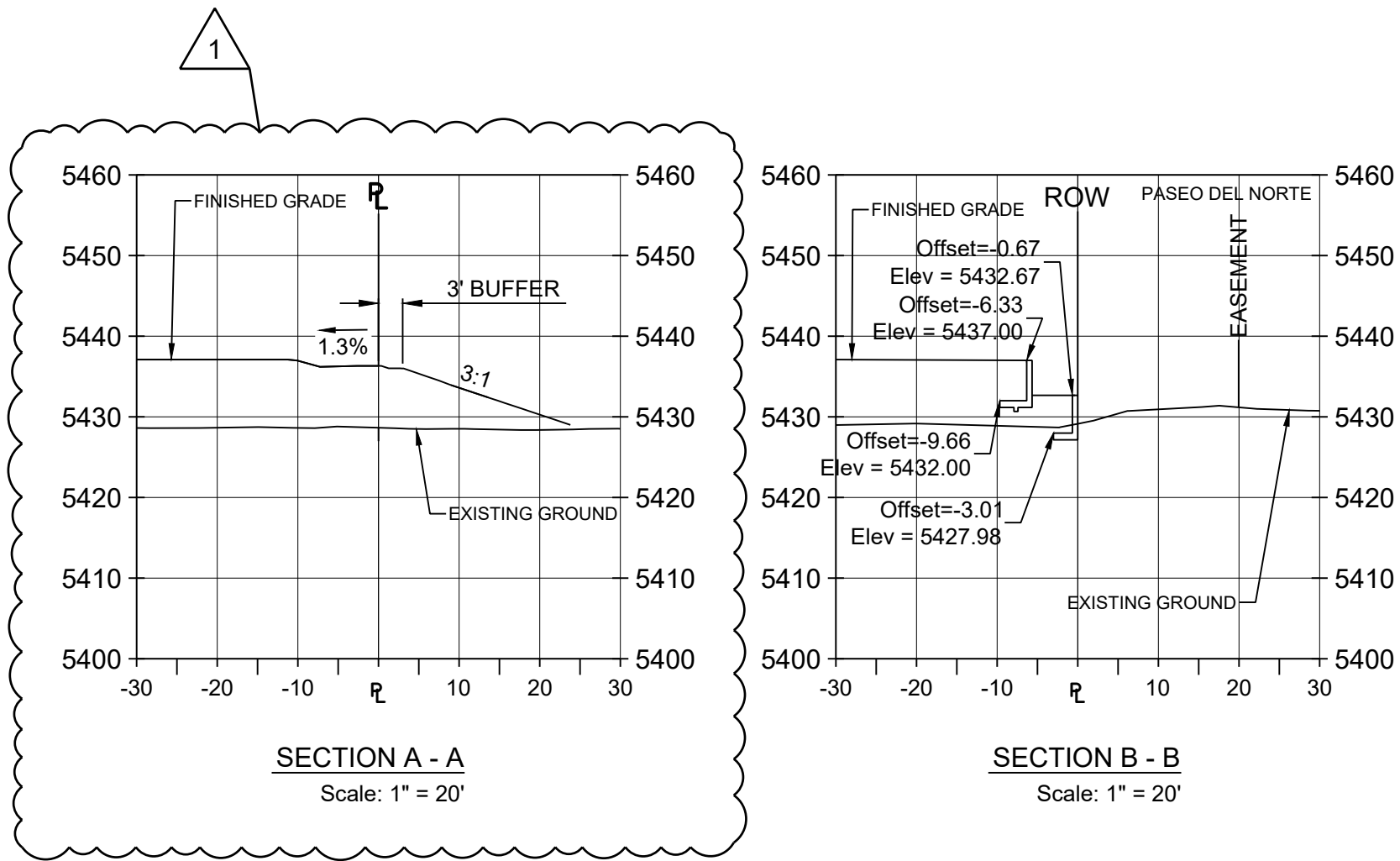
Sheet 6 of 29

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		ALBUQUERQUE CONTROL SURVEY MONUMENT "UNION" NEW MEXICO		CONTRACTOR WORK INSPECTED BY DATE	
		NO.	BY DATE				
	REMOVED RETAINING WALL, ADD SLOPE	05/25/22					
	GRADING TO EAST, REVISE CROSS SECTION A - A						
	& INSERT SLOPE AGREEMENT						
	REMARKS	NO.	DATE	BY			
REVISIONS							
RESPEC DESIGN							
DESIGNED BY: JS		DATE: 10/26/2022					
DRAWN BY: RESPEC		DATE: 10/26/2022					
CHECKED BY: SEG		DATE: 10/26/2022					
				GROUND TO GRID FACTOR= 0.9986436		RECORDED BY	
				ELEVATION= 5524.95 FEET		No.	

N:\Projects\W0021 DR Horton\Tract 2\Trails3.DWG(Sheets\W0021.01 Overall Grading Plan.dwg Wed, 10/26/22 - 1029, LSP, Sid, Gariss)

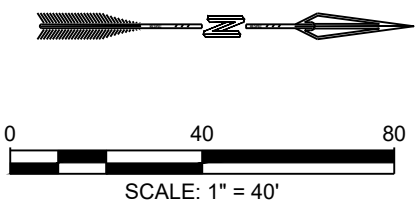


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1-5	32.67	28.67/29.33	4.00	47.0
1-6	32.67	29.33/30.00	3.33	19.0
1-7	32.67	30.00/30.67	2.67	44.0
1-8	32.67	30.67/31.33	1.33	66.1
1-9	32.67	31.33	1.33	62.0
2-1	37.33	36.00		
2-2	37.33	32.00		
2-3	37.33	32.00	5.33	12.6
2-4	37.33/36.67	32.00	5.33	200.0
2-5	36.67/36.00	32.00	4.67	120.0
2-6	36.00	32.00	4.00	52.0
2-7	36.00	32.00/31.33	4.00	6.0
2-8	36.00	31.33/32.00	4.67	28.0
2-9	36.00	32.00	4.00	85.0
2-10	36.00	32.00/32.67	4.00	18.5
2-11	36.00	32.67/33.33	3.33	28.0
2-12	36.00	33.33/34.00	2.67	28.0
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CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
VOLCANO MESA AT THE TRAILS GRADING PLAN	
Design Review Committee	City Engineer Approval
Last Design Update	
Project No. 738489	Zone Map No. C-9-Z
Sheet 7	of 29

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

July 11, 2023

Sheldon Greer, P.E.
Respec
5971 Jefferson St. NE
Albuquerque, NM 8710

RE: Volcano Mesa at The Trails – Lots 1 to 5 & Lots 43 to 48
Request for Pad Certification – Not Accepted
Engineer's Certification Date: 07/03/23
Engineer's Stamp Date: 04/01/22
Hydrology File: C09D001H

Dear Mr. Greer:

PO Box 1293

Based upon the information provided in your Certification received 07/05/2023 and site visit on 07/10/2023, the above referenced Certification **is not** acceptable for Building Pad Certification for **Volcano Mesa at The Trails – Lots 1 to 5 & Lots 43 to 48**. The following comments need to be addressed for approval of the above referenced project:

Albuquerque

NM 87103

www.cabq.gov

1. When I visited the site, the Work Order contractor had Lots 1 to 5 as a mobilization area and Lots 43 to 48 as a staging area for the storm sewer connection into the existing detention pond. Once these lots are clear of construction material and rechecked for grades, please resubmit with a photo or photos of the lots for Pad certification.



CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller



PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

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