TRAFFIC SCOPING FORM

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From: Amanda Herrera, P.E. (Amanda.Herrera@NV5.com)
Adam Miera, P.E. (Adam.Miera@NV5.com)

Date: September 12, 2024

Re: Memorandum of Traffic Scoping Form – Project Chase, City of Albuquerque

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This memo conveys current information related to the Traffic Scoping Form (TSF) for a proposed delivery facility development in Albuquerque, NM. It outlines the study area, study intersections, the trip generation, background growth, and trip distribution for the proposed development.

Site Description

The Traffic Impact Study (TIS) will comply with all the requirements of the City of Albuquerque, Bernalillo County, and NMDOT, considering the proposed development's proximity to the roadway network. The proposed development is located along Daytona Road, about 3,000 feet west of the intersection of Unser Blvd. and Los Volcanes Road. The project will include 127,920 SF of warehousing facility. The project is expected to be completed by 2026 with a Horizon Year of 2036.

Site Trip Generation

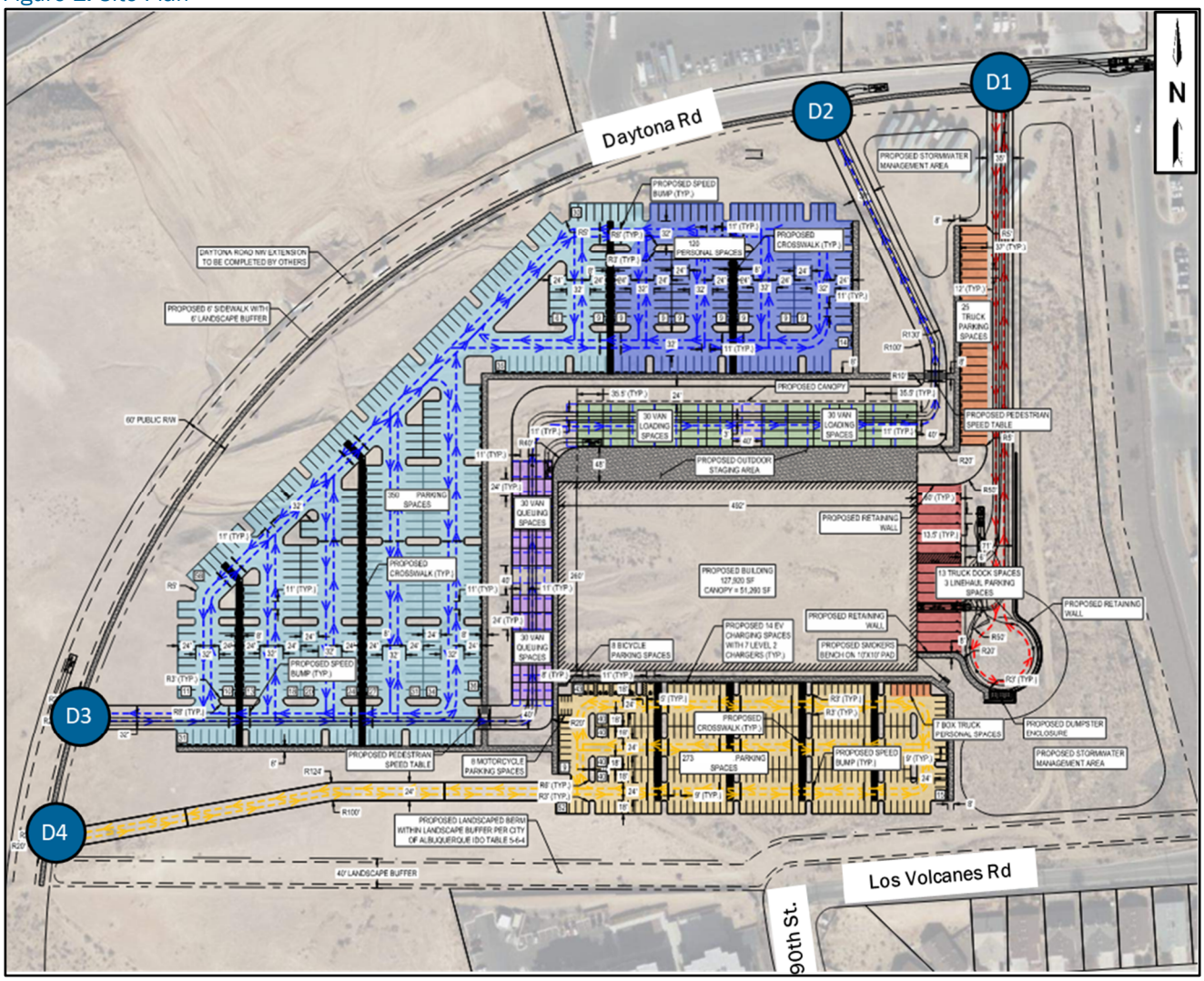
The proposed site is anticipated to generate 2,740 daily, 253 AM and 23 PM Peak Hour trips during the typical commuter peak hours (7:00 – 9:00 a.m. and 4:30 – 6:30 p.m.). For reference, we have compared the site-specific trip generation data provided by the developer (see Appendix A) with the site generated trips identified in the previously prepared Westpoint 40 Development TIA for an anticipated 200,000 SF Industrial Park facility. As shown in the table below, the delivery facility supplied data that will generate more daily trips and additional AM peak hour trips than using the ITE Trip Generation Rates from the Westpoint 40 TIA. We recommend assessing the transportation network, capacity, and access driveways using the user data to best serve the community and potential user.

Land Use	Source	Intensity	Daily	AM Peak Hour			PM Peak Hour		
				IN	OUT	TOTAL	IN	OUT	TOTAL
Industrial Park (130)	ITE[1]	200,000 SF	1,346	55	13	68	15	53	68
Delivery Facility	User Data[2]	127,920 SF	2,740	170	83	253	0	23	23
		Difference	**+1,394**	**+115**	**+70**	**+167**	**-15**	**-30**	**-45**

[1] *Westpoint 40 TIA (Land Use Code 130 – Industrial Park, ITE 10th Edition)*

[2] *Delivery Facility - Proposed Traffic Schedule*

Figure 1. Site Plan



Study Intersections

The following intersections are proposed for analysis and existing data collection. An intersection map can be found below in Figure 2.

1. Unser Blvd and Bluewater Road
2. Unser Blvd and Los Volcanes Road
3. I-40 WB Ramp and Unser Blvd
4. I-40 EB Ramp and Unser Blvd
5. Los Volcanes Road and Daytona Road
6. 98th Street and Central Avenue
7. 98th Street and Bluewater Rd(Avalon Rd)
8. I-40 EB Ramp and 98th Street
9. I-40 WB Ramp and 98th Street
10. Bluewater Road and Daytona Road
11. Daytona Road and Driveway 1
12. Daytona Road and Driveway 2
13. Daytona Road and Driveway 3
14. Daytona Road and Driveway 4

The four driveways shown in Figure 1 will also be studied.

Data Collection

Existing data collection is proposed for the following:
New AM (**6-9am**) and PM (**3-6pm**) turning movement counts (TMCs) shall be conducted on a Tuesday, Wednesday, or Thursday while schools are in session at the following locations:

1. Unser Blvd and Bluewater Road
2. Unser Blvd and Los Volcanes Road
3. I-40 EB Ramp and Unser Blvd
4. I-40 WB Ramp and Unser Blvd
5. Los Volcanes Road and Daytona Road
6. 98th Street and Central Avenue
7. 98th Street and Bluewater Rd (Avalon Rd)
8. I-40 EB Ramp and 98th Street
9. I-40 WB Ramp and 98th Street
10. Bluewater Road and Daytona Road

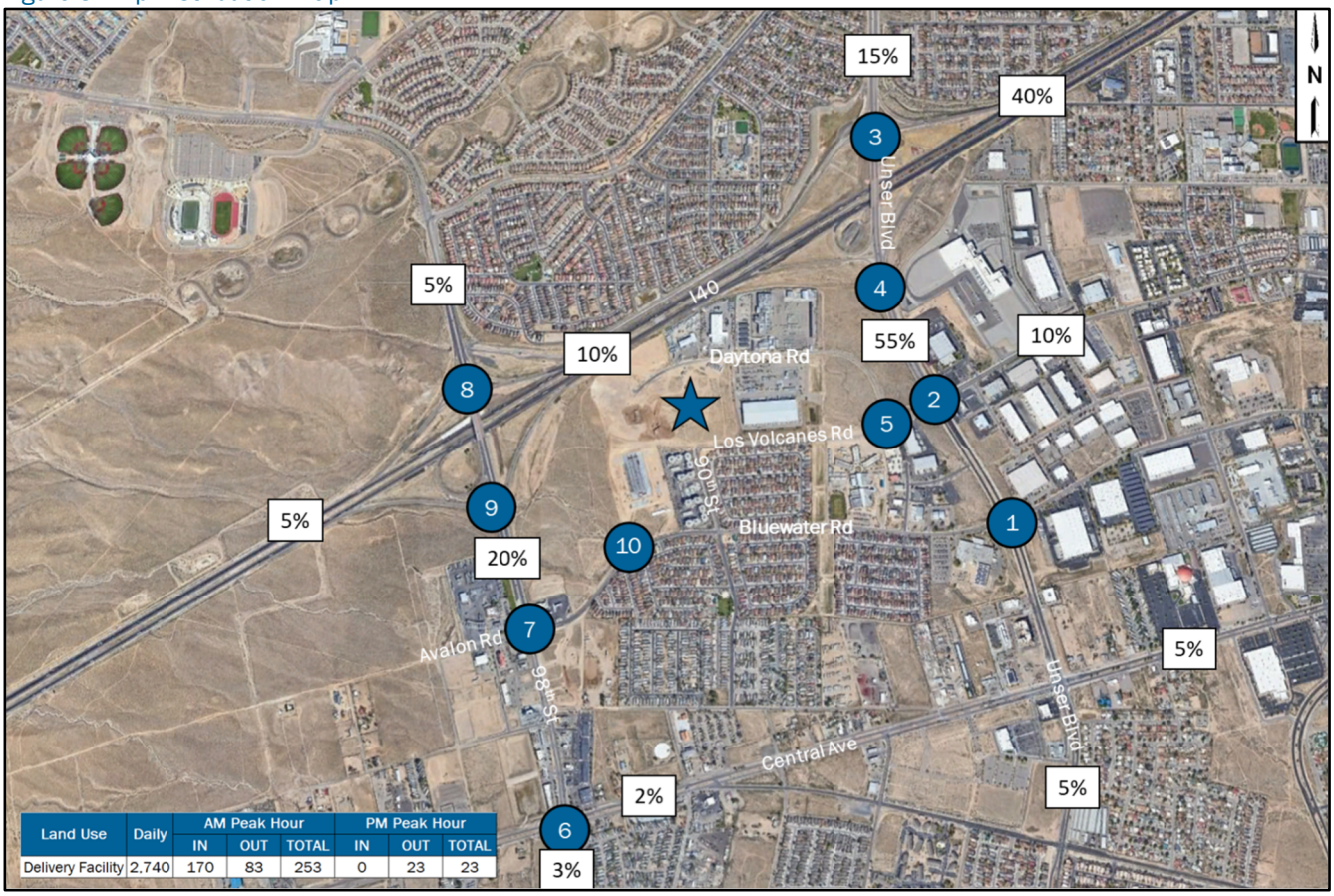
The TMC's shall include classification of Vehicles as well as pedestrian/bicycle volumes.

Figure 2. Study Intersections Map

Trip Distribution

The new distribution center will receive merchandise from the regional fulfillment and sort centers located on Ladera Drive NW and deliver it to local customers in the western areas of the Albuquerque metro area. Delivery Facility trips are to be allocated based on the proposed trip schedule and routes designated specific to this location. The distribution of these trips on the transportation network is based on the user's proprietary information that is based on customer locations. The general distribution pattern is estimated from the possible delivery locations.

Figure 3. Trip Distribution Map



Intersection Capacity Analysis

1. Existing conditions 2024
2. No-Build Conditions 2026
3. Build Conditions 2026
4. Future No-Build Conditions 2036
5. Future Build Conditions 2036
6. Future Conditions with proposed mitigation

Background Growth

A background minimum growth rate of **2%** will be assumed, based on the Historical Growth of the roadway network.

Signal Warrant Analysis

A signal warrant analysis is to be conducted in accordance with the MUTCD, 11th Edition for the Intersection of the I-40 SB Ramp and 98th Street and included with the TIA analysis. Counts will be collected for a total of

Crash Analysis
Request crash data from the City of Albuquerque, Bernalillo County, and NMDOT to perform the crash analysis for all 10 evaluated intersections for a total of 5 years (leave out crash data years 2020 and 2021).

Phasing of Offsite Improvements
Per NMDOT requirements. This will involve recalculating trips phasing improvements, taking into account both previous and future developments as part of the Westpointe 40 TIA.

Previous Developments in the Project Vicinity
1. Westpointe 40
2. Maverik on 98th and Bluewater Road
3. Bluesky Distributing on Bluewater and Daytona
4. Data Center along Daytona Road
5. Quick Trip Travel Center on Unser and Los Volcanes
6. Bluewater Galleria – study not yet scoped

NMDOT Additional Requests:
Interstate Analysis
Assumptions for each Scenario analyzed

Appendix A – Trip Schedule

Trip Schedule								
	Autos		Trucks		Total		Peak Hour	
Time	In	Out	In	Out	In	Out	In	Out
12:00:00 AM	0	0	3	1	3	1		
12:30:00 AM	0	0	1	1	1	1		
1:00:00 AM	0	0	3	3	3	3		
1:30:00 AM	0	0	1	1	1	1		
2:00:00 AM	83	0	3	3	86	3		
2:30:00 AM	0	0	1	1	1	1		
3:00:00 AM	0	0	2	3	2	3		
3:30:00 AM	0	0	2	1	2	1		
4:00:00 AM	5	5	6	3	11	8		
4:30:00 AM	0	0	2	1	2	1		
5:00:00 AM	5	0	5	2	10	2		
5:30:00 AM	10	0	2	2	12	2		
6:00:00 AM	0	0	0	1	0	1		
6:30:00 AM	0	0	0	2	0	2		
7:00:00 AM	47	0	0	0	47	0		
7:30:00 AM	0	0	0	0	0	0		
8:00:00 AM	105	83	0	0	105	83	170	83
8:30:00 AM	64	0	1	0	65	0		
9:00:00 AM	64	64	1	0	65	64		
9:30:00 AM	108	64	1	0	109	64		
10:00:00 AM	54	111	0	0	54	111		
10:30:00 AM	0	64	1	1	1	65		
11:00:00 AM	80	87	0	1	80	88		
11:30:00 AM	90	0	0	1	90	1		
12:00:00 PM	26	80	0	0	26	80		
12:30:00 PM	95	124	0	1	95	125		
1:00:00 PM	80	26	0	0	80	26		
1:30:00 PM	80	80	0	0	80	80		
2:00:00 PM	15	80	0	0	15	80		
2:30:00 PM	0	90	0	0	0	90		
3:00:00 PM	0	15	0	0	0	15		
3:30:00 PM	0	5	0	5	0	10		
4:00:00 PM	0	5	0	5	0	10		
4:30:00 PM	0	0	0	0	0	0		
5:00:00 PM	0	2	0	2	0	4		
5:30:00 PM	0	8	0	0	0	8	0	23
6:00:00 PM	0	15	0	0	0	15		
6:30:00 PM	64	0	0	0	64	0		
7:00:00 PM	64	64	0	0	64	64		
7:30:00 PM	64	64	0	0	64	64		
8:00:00 PM	64	64	0	0	64	64		
8:30:00 PM	54	72	1	0	55	72		
9:00:00 PM	0	54	1	0	1	54		
9:30:00 PM	0	0	1	0	1	0		
10:00:00 PM	0	0	1	0	1	0		
10:30:00 PM	0	0	1	1	1	1		
11:00:00 PM	5	0	3	1	8	1		
10:30:00 PM	0	0	1	1	1	1		
Total	1,326	1,326	44	44	1,370	1,370	2,740	daily trips

City of Albuquerque

Planning Department

Development Review Services Division

Traffic Scoping Form (REV 05/2024)

Project Title: Project Chase

Zone Atlas Page: J-09-Z, K-09-Z DFT/DHO #: _____ BP #: _____

Development Street Address: 9210 Daytona Road Albuquerque, NM 87121

(If no City Address include a Vicinity Map with site highlighted and legible street names)

Applicant: NV 5 Contact: Amanda Herrera

Address: 6501 Americas Pkwy NE, Ste 400 Albuquerque, NM 87110

Phone#: 505-974-7794 E-mail: amanda.herrera@NV5.com

Development Information

Build out/Implementation Year: 2026

Existing Use: Proposed

Describe Proposed Development and Uses:

127,920 SF Proposed Warehousing Facility

Days and Hours of Operation (if known): 24 hours a day, 7 days a week

Facility

Building Size (sq. ft.): 127,920 SF

Number of Residential Units: _____

Number of Commercial Units: _____

Traffic Considerations

Expected Number of Daily Visitors/Patrons (if known):* 2,740

Expected Number of Employees (if known):* _____

Expected Number of Delivery Trucks/Buses per Day (if known):* 88

Trip Generations during PM/AM Peak Hour and ITE # (if known):* AM:115Ent/70Exit PM: (-15Enter)/(-30Exit)

Driveway(s) Located on: Street Name 4 Driveways along Daytona Road

Adjacent Roadway(s) Posted Speed: Street Name Daytona Road Speed 25 mph

Street Name Los Volcanes Road Speed 35 mph

** If these values are not known, assumptions will be made by City staff. Depending on the assumptions, a full TIS may be required.*

Roadway Information (adjacent to site)

Comprehensive Plan Corridor Designation (e.g. Main Street, Major Transit, N/A): Community Planning Areas (CPA) Southwest Mesa
https://cabq.maps.arcgis.com/apps/webappviewer/index.html?id=53bf716981b14d25a31e7a2549c2d61b

Comprehensive Plan Center Designation (e.g. urban center, Downtown, N/A): N/A
https://cabq.maps.arcgis.com/apps/webappviewer/index.html?id=53bf716981b14d25a31e7a2549c2d61b

Street Functional Classification (e.g. Principal Arterial, Collector) : Urban Major Collector
https://cabq.maps.arcgis.com/apps/webappviewer/index.html?id=53bf716981b14d25a31e7a2549c2d61b

Jurisdiction of roadway (NMDOT, City, County): City

Adjacent Roadway(s):

Name: Daytona Rd Traffic Volume: 2,905 (2024 TAQA) COG ID#50480 Volume-to-Capacity Ratio (v/c): AM:0.25 PM:0.19

Name: Los Volcanes Rd Traffic Volume: 9,047 (2023 TAQA) COG ID# 50484 Volume-to-Capacity Ratio (v/c): AM:1.18 PM:0.8

Traffic Volume and V/C Ratio: https://www.mrcog-nm.gov/623/Traffic-Flow-Maps-and-Busiest-Intersecti and https://mrcog-nm.gov/574/Transportation-Analysis-and-Querying-App

Adjacent Transit Service(s) : Bus Route 92 and 94 Nearest Transit Stop(s): Bus Stop Route 66, 198 on Unser and Central
https://www.cabq.gov/gis/advanced-map-viewer

Is site within 660 feet of Premium Transit?: No
https://cabq.maps.arcgis.com/apps/webappviewer/index.html?id=53bf716981b14d25a31e7a2549c2d61b

Current/Proposed Bicycle Infrastructure : Designated bike lanes along Bluewater Rd. Proposed Bike Lanes on Unser Blvd
Bikeways: https://mrcog-nm.gov/544/Long-Range-System-maps

Current/Proposed Sidewalk and buffer Infrastructure: Proposed Sidewalk onsite as well as adjacent to Daytona Rd
Sidewalk and buffer width : DPM Table 7.2.29

Submit by email to Traffic Engineer Curtis Cherne: ccherne@cabq.gov. Email or call 505-924-3986 for information.

For City Personnel Use:

TIS Determination

Note: Changes made to development proposals / assumptions, from the information provided above, will result in a new TIS determination.

Traffic Impact Study (TIS) Required: Yes [ ] No [ ]

Thresholds Met? Yes [ ] No [ ]

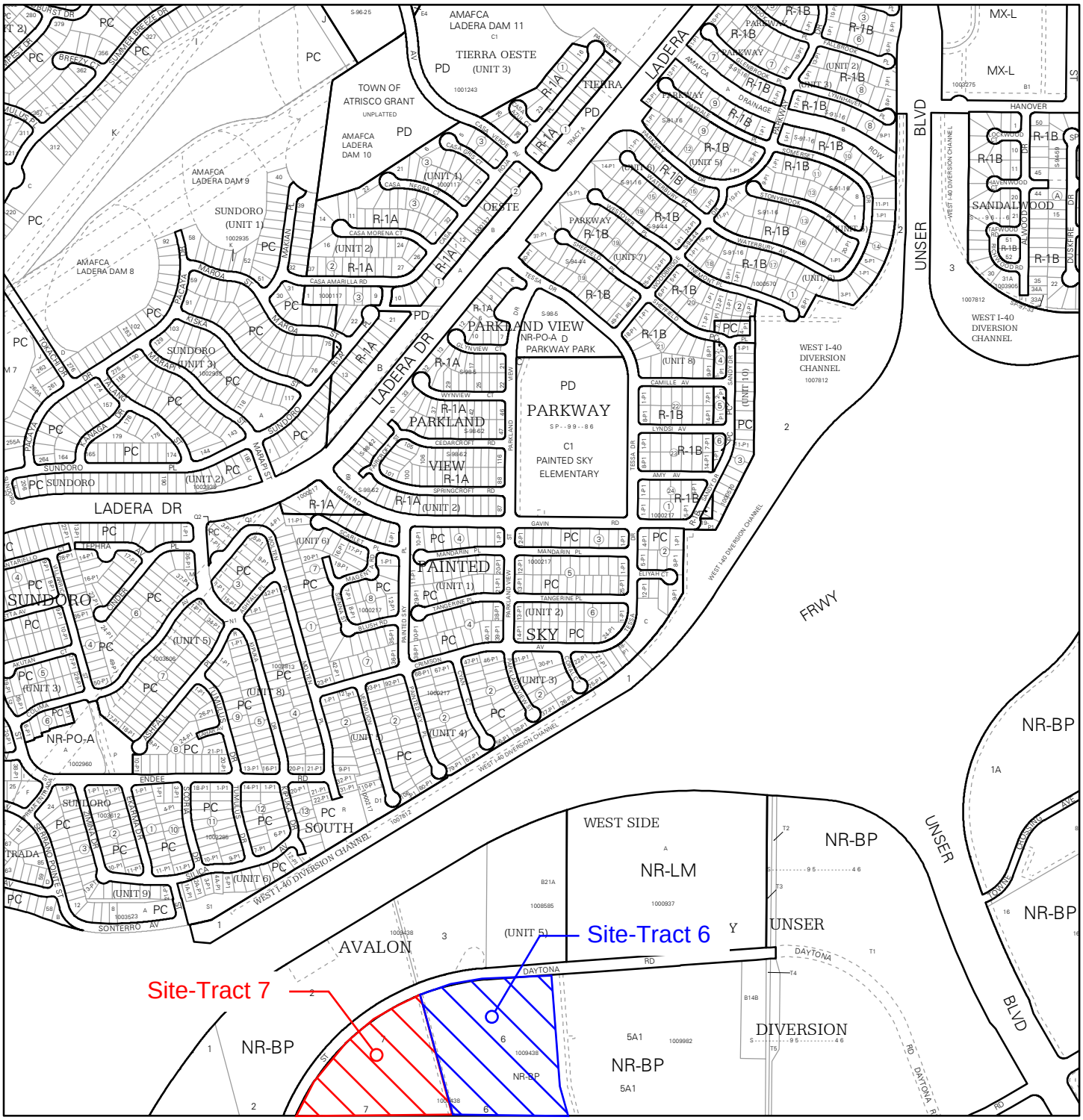
Mitigating Reasons for Not Requiring TIS and/or Notes:

Curtis A Cherne

TRAFFIC ENGINEER

9-16-24

DATE



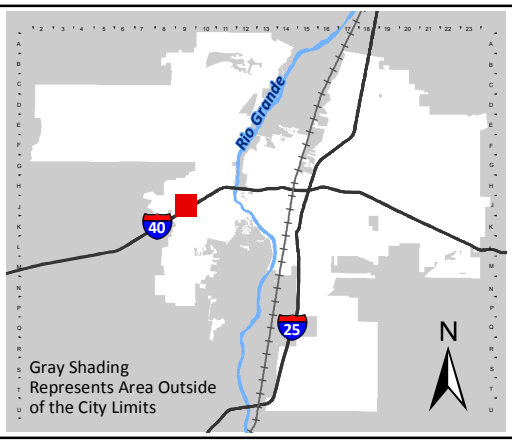
For more details about the Integrated Development Ordinance visit: http://www.cabq.gov/planning/codes-policies-regulations/integrated-development-ordinance

IDO Zone Atlas
May 2018

Albuquerque Geographic Information System

IDO Zoning information as of May 17, 2018

The Zone Districts and Overlay Zones are established by the Integrated Development Ordinance (IDO).

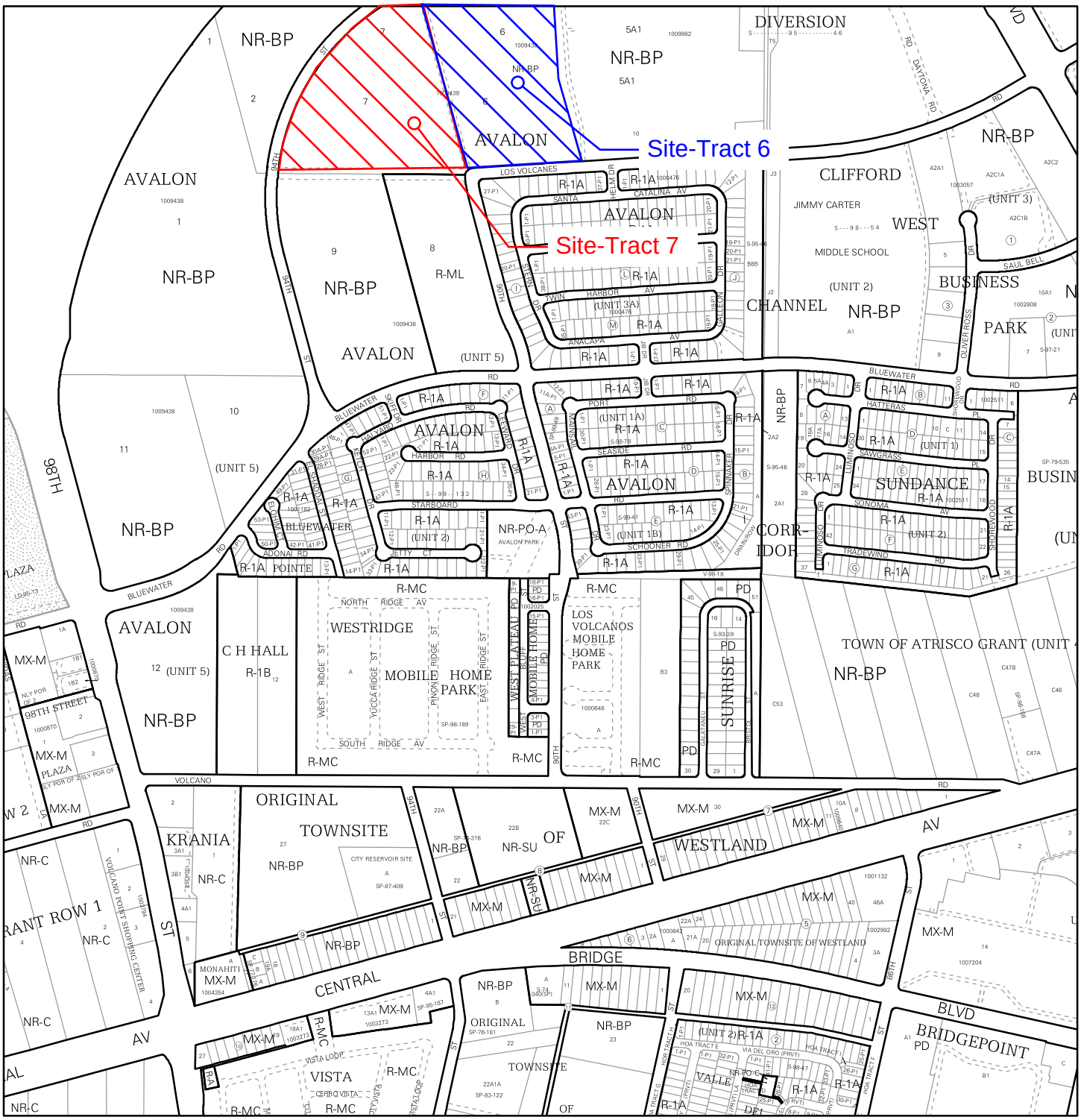


Zone Atlas Page:

J-09-Z

- Easement
- Escarpment
- Petroglyph National Monument
- Areas Outside of City Limits
- Airport Protection Overlay (APO) Zone
- Character Protection Overlay (CPO) Zone
- Historic Protection Overlay (HPO) Zone
- View Protection Overlay (VPO) Zone

Feet: 0 250 500 1,000



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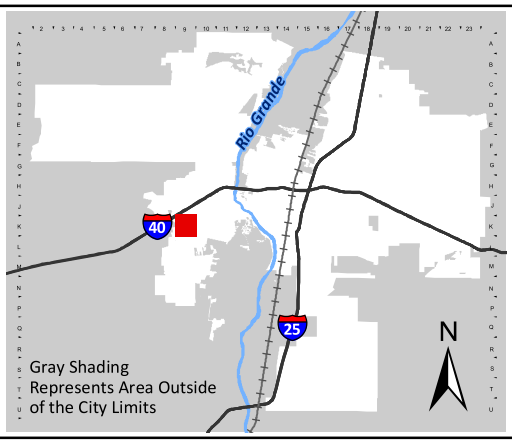

Zone Atlas Page:

K-09-Z

- Easement
- Escarpment
- Petroglyph National Monument
- Areas Outside of City Limits
- Airport Protection Overlay (APO) Zone
- Character Protection Overlay (CPO) Zone
- Historic Protection Overlay (HPO) Zone
- View Protection Overlay (VPO) Zone

Feet: 0 250 500 1,000