

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

August 8, 2022

Verlyn Miller, P.E.
Miller Engineering Consultants, Inc
3500 Comanche NE Bldg. F
Albuquerque, NM 87107

**RE: Horizon Auto Glass & Tint
8310 San Pedro Dr. NE
Permanent C.O. – Not Accepted
Temporary C.O. - Accepted
Engineer's Certification Date: 07/25/22
Engineer's Stamp Date: 02/22/21
Hydrology File: C18D107**

PO Box 1293

Dear Mr. Miller:

Albuquerque

Based on the Certification received 08/02/2022 and site visit on 08/05/2022, this certification is approved in support of Temporary Release of Occupancy by Hydrology.

PRIOR TO PERMANENT CERTIFICATE OF OCCUPANCY:

NM 87103

1. Please provide the as-built volumes of Pond 1 & Pond 2. Then please red line out as shown below and add the text showing the as-built volumes provided.

www.cabq.gov

~~VOLUME PROVIDED 0.0AF – 0.0 CF*~~
~~* OWNER W PAY FEE IN LIEU OF PONDING.~~
~~* \$8/CF* 823.9 CF – \$6,591.20~~

VOLUME PROVIDED (PER AS-BUILT) =
POND 1 = XX CF
POND 2 = XX CF
TOTAL SWQ VOLUME = XX CF

2. Please provide the Drainage Covenant with Exhibit A for the stormwater quality ponds per Article 6-15(C) of the DPM. Please submit the original copies along with the \$ 25.00 recording fee check made payable to Bernalillo County to Carrie Compton (cacompton@cabq.gov) on the 4th floor of Plaza de Sol.

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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

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Horizon Glass **Building Permit #:** _____ **Hydrology File #:** C18D107
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: Lot 1, Block 33 of North Albuquerque Acres Tract A Unit 8
City Address: 8310 San Pedro Dr. NE, Albuquerque, NM 87113

Applicant: Horizon Auto Glass & Tint **Contact:** Laura & Rod Williams
Address: 8201 Menaul Blvd. NE, Albuquerque, NM 87110
Phone#: 505-897-9000 **Fax#:** _____ **E-mail:** _____

Other Contact: Miller Engineering Consultants **Contact:** Verlyn Miller, P.E.
Address: 3500 Comanche NE, Bldg. F, Albuquerque, NM 87107
Phone#: 505-888-7500 **Fax#:** 505-888-3800 **E-mail:** vmiller@mecnm.com

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

IS THIS A RESUBMITTAL? _____ Yes ☒ No

DEPARTMENT _____ TRANSPORTATION ☒ 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:

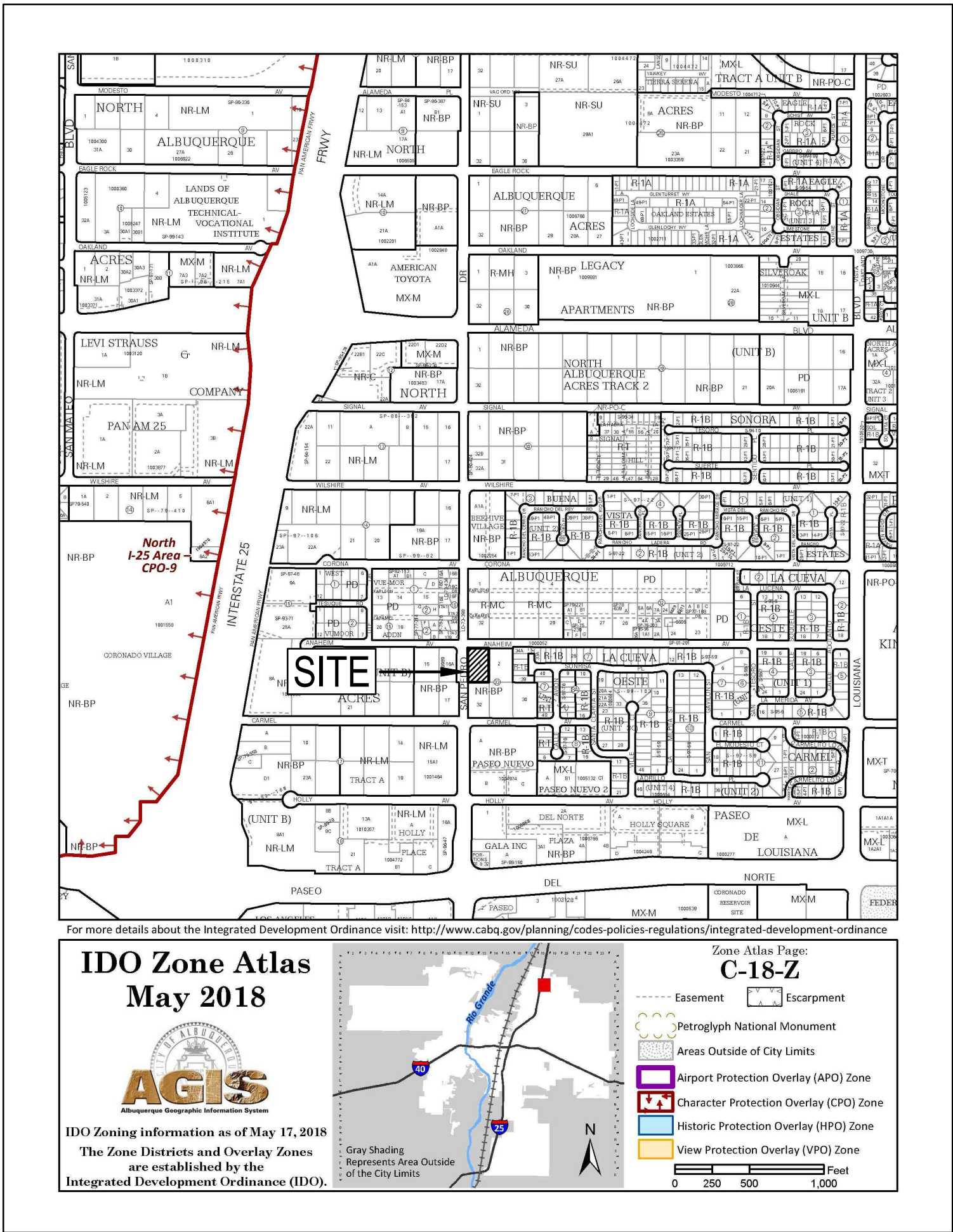
- ☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY
☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
☐ FLOODPLAIN DEVELOPMENT PERMIT
☐ OTHER (SPECIFY) _____

DATE SUBMITTED: : 7/26/2022 **By:** Verlyn A. Miller

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



SITE LOCATION
THE PROPOSED SITE IS LOCATED ON THE SOUTHEAST CORNER OF SAN PEDRO DRIVE AND ANAHEIM AVENUE NE. THE SITE CURRENTLY CONSISTS OF A VACANT LOT WITH NO DEVELOPMENT. THE SITE IS BOUND BY ANAHEIM AVENUE ON THE NORTH SIDE, SAN PEDRO DRIVE ON THE WEST SIDE, AN EXISTING COMMERCIAL DEVELOPMENT ON THE EAST SIDE AND THE SOUTH SIDE. THE PROPOSED DEVELOPMENT WILL INCLUDE A NEW COMMERCIAL BUILDING.

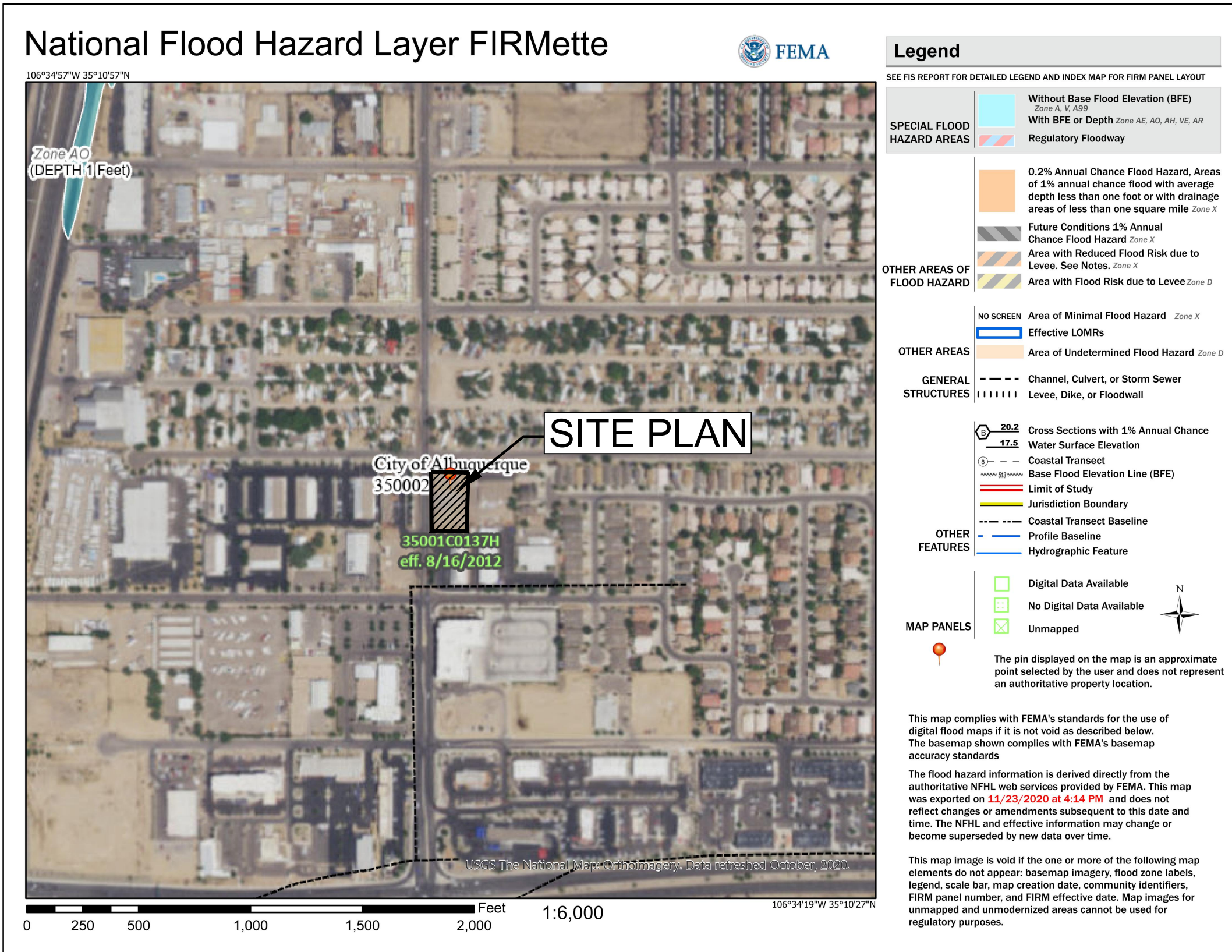
EXISTING CONDITIONS
THE EXISTING SITE IS CURRENTLY UNDEVELOPED AND IS COVERED WITH SPARSE VEGETATIVE COVER. THE LACK OF VEGETATION SUGGESTS THAT THE SITE IS EXPERIENCING DISTURBANCE FROM HUMAN ACTIVITY. EXISTING STORM WATER FLOWS WILL SHEET FLOW FROM EAST TO WEST.

PROPOSED CONDITIONS
THE PROPOSED IMPROVEMENTS WILL INCLUDE A COMMERCIAL BUILDING, DRIVEWAY, ASSOCIATED PARKING, AND CONCRETE HARDSCAPE. DRAINAGE FROM THE SITE WILL BE ROUTED THROUGH THE SITE TO ITS HISTORICAL LOCATION.

CONCLUSION
THE INCREASED RUNOFF FROM THE PROPOSED BUILDING ADDITION IS ESTIMATED AT 0.08 ACRE-FEET AND 1.83 CFS DURING THE 100-YEAR EVENT. THE MAJORITY OF THE INCREASED RUNOFF FROM THE PROPOSED PROJECT WILL BE DISCHARGED INTO THE RIGHT OF WAY WEST OF THE SITE. THE MAJORITY OF THE ROOF DRAINAGE AND PROPOSED ASPHALT PARKING AREAS WILL DISCHARGE INTO THE RIGHT OF WAY LOCATED TO THE WEST SIDE OF THE PROJECT SITE. DUE TO THE RIGHT OF WAY TAKE BY THE CITY THERE IS MINIMAL PONDING AVAILABLE ON THE SITE. A SMALL WATER HARVEST FEATURE HAS BEEN ADDED NEAR THE SW CORNER OF THE SITE. THE OWNER IS PREPARED TO PAY A FEE IN LIEU OF FIRST FLUSH PONDING.



D4 VICINITY MAP
SCALE: NOT TO SCALE



HYDROLOGY CALCULATIONS

HYDROLOGY									
Precipitation Zone 3 - 100-year Storm				P(360) = 2.6 in		P(1440) = 3.1 in			
Basin	Basin Area (Ac)	Land Treatment Factors				Ew (in)	V(100-6) (af)	V(100-24) (af)	Q(100) (cfs)
		A	B	C	D				
Existing Conditions									
Site	0.63	0.63	0.00	0.00	0.00	0.66	0.035	0.035	1.18
Total	0.63								1.18
Proposed Conditions									
SITE	0.63	0.00	0.00	0.10	0.53	2.19	0.115	0.137	3.01
Total	0.63								3.01

NOTE: TOTAL SITE AREA AFTER RIGHT OF WAY TAKE.

STORM WATER CALCULATIONS

$$VFF = (23,540 \text{ SF} * 0.42") / 12)$$

$$VFF = 823.9 \text{ CF}$$

$$\text{VOLUME PROVIDED } 0.0AF = 0.0 \text{ CF}^*$$

$$* \text{ OWNER W PAY FEE IN LIEU OF PONDING.}$$

$$* \$8/\text{CF} * 823.9 \text{ CF} = \$6,591.20$$

D4 FLOOD ZONE MAP
SCALE: NOT TO SCALE

35001C0137H

MILLER ENGINEERING CONSULTANTS
Engineers • Planners
3500 COMANCHE, NE
ALBUQUERQUE, NM 87110
(505) 888-7500
(505) 888-3800 (FAX)
WWW.MECNM.COM

relevant design solutions

ARCHIS design
4700 LINCOLN RD NE, SUITE 102 D
ALBUQUERQUE, NEW MEXICO 87109
(505) 998-7717 www.archisdesign.net

HORIZONGLOSS
NEW BUILDING
8310 SAN PEDRO DRIVE NE
ALBUQUERQUE, NEW MEXICO

Project No.
012119

Issue Date:
February 4, 2021

Revisions:

Date:

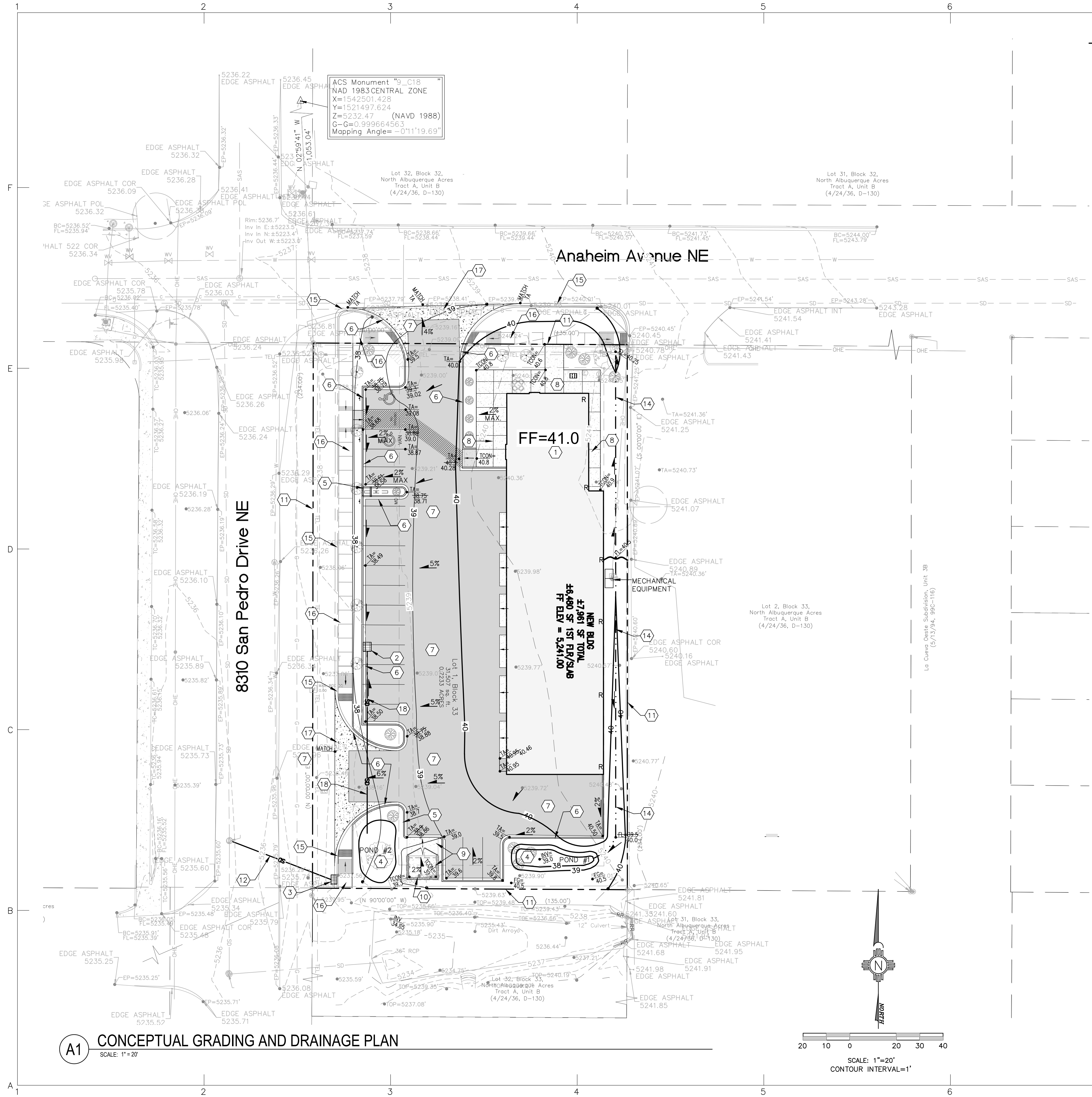
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Sheet Title:
Hydrology Report

Sheet No.

C-100

T:\Clients\ARCHIS\Horizon Glass\ACAD\SHETS\C-101 Grading & Drainage Plan-AS-BUILTS.DWG, 7/26/2022 3:43:59 PM, 1:1



LEGEND:		
38.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)	===== GRADE BREAK-HIGH POINT
MATCH (95.19)	MATCH EXISTING ELEVATIONS	----- SWALE
TCOR	TOP OF CONCRETE	----- SD ----- STORM DRAIN LINE
FL	FLOW LINE, CURB	----- 5895 ----- PROPOSED MAJOR CONTOUR
INV	INVERT	----- 5895 ----- PROPOSED MINOR CONTOUR
FG	FINISH GRADE	----- 5895 ----- EXISTING MAJOR CONTOUR
TBC	TOP OF BASE COURSE	----- 5895 ----- EXISTING MINOR CONTOUR
TC	TOP OF CURB	----- 5895 ----- TOP OF CUT SLOPE
TG	TOP OF GRATE	----- 5895 ----- HIGH POINT
TA	TOP OF ASPHALT	
Flow Arrow	FLOW ARROW	

- KEYED NOTES**
1. PROPOSED NEW BUILDING SEE ARCHITECTURAL DRAWINGS.
 2. NEW TYPE "D" SD INLET. TG=38.3, INV=36.0.
 3. FUTURE TYPE "C" SD INLET.
 4. NEW WATER HARVEST AREA, POND #1 INV=39, POND #2 INV.35.0.
 5. NEW 3" CONCRETE CHANNEL.
 6. NEW CURB AND GUTTER.
 7. NEW HOT MIX ASPHALT PAVING (HMA).
 8. NEW SIDEWALK/FLATWORK, SEE ARCHITECTURAL DRAWINGS.
 9. NEW HEAVY DUTY CONCRETE PAVING.
 10. NEW TRASH ENCLOSURE, SEE ARCHITECTURAL DRAWINGS.
 11. APPROXIMATE LOCATION OF PROPERTY LINE.
 12. FUTURE 18" SD PIPE.
 13. NEW 3' CURB CUT. PER COA STD DWG #2415A.
 14. NEW EARTHEN SWALE, SEE SHEET C-501 FOR DETAILS.
 15. FUTURE CURB AND GUTTER, PER COA STD DWG #2415A.
 16. FUTURE SIDEWALK, PER COA STD DWG #2430.
 17. CONCRETE VALLEY GUTTER AND FILLETS PER COA DWG. #2420. COORDINATE WITH CITY INFRASTRUCTURE PROJECT.
 18. 78 LF OF 12" SD PIPE @ 1% MIN. SLOPE.

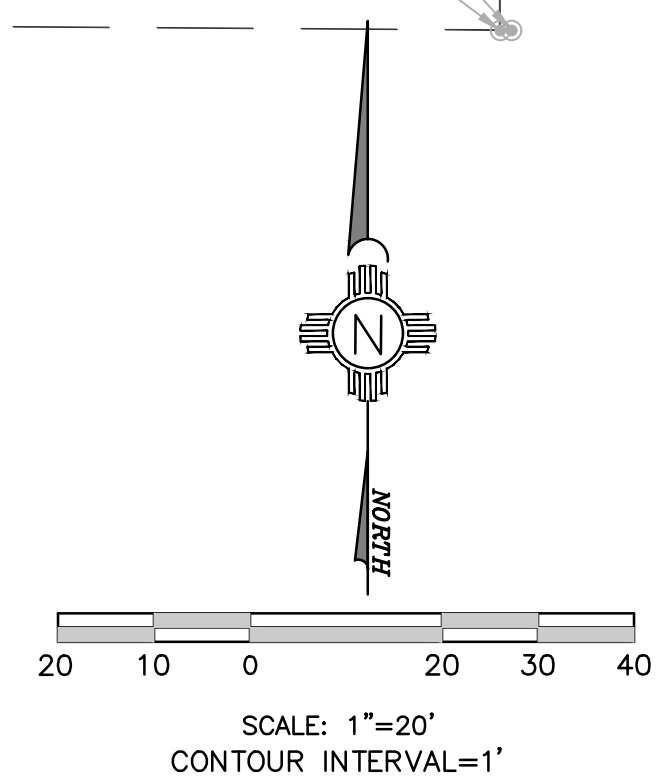
I, VERLYN A. MILLER, NMPE 14507, OF THE FIRM MILLER ENGINEERING CONSULTANTS, INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED CONSTRUCTION DRAWINGS DATED 02/22/2021. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL HAS BEEN OBTAINED BY CSI-CARTESIAN SURVEYS INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON JULY 25, 2022, 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 A FINAL CERTIFICATE OF OCCUPANCY FROM THE CITY OF ALBUQUERQUE.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING & DRAINAGE ASPECTS OF THE DRAWINGS 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.

Verlyn A. Miller 7/25/22
VERLYN A. MILLER DATE

VERLYN A. MILLER
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
14507

A1 CONCEPTUAL GRADING AND DRAINAGE PLAN
SCALE: 1"=20'



ME MILLER ENGINEERING CONSULTANTS
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Project No.
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Revisions:	Date:

Sheet Title:
Conceptual Grading and Drainage Plan

Sheet No.
C-101