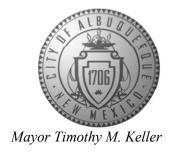
CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



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:

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.

Albuquerque

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

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.

CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

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

Sincerely,

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

Renée C. Brissette

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)

	Building Permit #:	Hydrology File #: <u>C18D107</u> Work Order#:		
DRB#: Lot 1 Block	k 33 of North Albuququerque Acres Tract A	Work Order#:		
	Dr. NE, Albuquerque, NM 87113	Cint o		
City Address: 6310 3aii Fedio	Dr. NE, Albuquerque, NW 87113			
Applicant: Horizon Auto Glass Address: 8201 Menaul Blvd. NE	& Tint	Contact: <u>Laura & Rod William</u>		
Phone#: 505-897-9000	Fax#:	E-mail:		
Other Contact: Miller Engineerin	Contact: Verlyn Miller, P.E.			
Address: <u>3500 Comanche NE, F</u>	Bldg. F, Albuquerue, NM 87107			
Phone#: 505-888-7500	E-mail: vmiller@mecnm.com			
	PLAT (# of lots) RESIDENCE			
IS THIS A RESUBMITTAL?	Yes X No			
DEPARTMENT TRANSPOR	RTATION X HYDROLOGY/DRAINA	AGE		
Check all that Apply:		PROVAL/ACCEPTANCE SOUGHT: G PERMIT APPROVAL		
TYPE OF SUBMITTAL:ENGINEER/ARCHITECT CER	X CERTIFIC	CATE OF OCCUPANCY		
PAD CERTIFICATION	PRELIMI	NARY PLAT APPROVAL		
CONCEPTUAL G & D PLAN	SITE PLA	AN FOR SUB'D APPROVAL		
X GRADING PLAN	SITE PLA	N FOR BLDG. PERMIT APPROVAL		
DRAINAGE REPORT	FINAL PI	LAT APPROVAL		
DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMEN	T DEDMIT ADDI IC			
ELEVATION CERTIFICATE	SIA/ KEL	EASE OF FINANCIAL GUARANTEE		
CLOMR/LOMR		TION PERMIT APPROVAL		
TRAFFIC CIRCULATION LAY	VOLIT (TCL)	G PERMIT APPROVAL		
TRAFFIC IMPACT STUDY (T	SU-19 AP			
STREET LIGHT LAYOUT	raving	PERMIT APPROVAL G/ PAD CERTIFICATION		
OTHER (SPECIFY)		RDER APPROVAL		
PRE-DESIGN MEETING?	WORK OF CLOMR/I			
		LAIN DEVELOPMENT PERMIT		
		SPECIFY)		
DATE SUBMITTED: : 7/26/2022	2 By: Verlyn A. Mil	ller		
COA STAFF:	ELECTRONIC SUBMITTAL RECEIVE	D:		

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

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.

GENERAL NOTES:

- 1. EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS WAS PROVIDED BY CSI CARTESIAN SURVEYS, INC. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
- 2. ACS STA A-438 BENCH MARK THE TOP OF A STAINLESS STEEL ROD SET BENEATH A 5-1/2" NGS ACCESS COVER STAMPED "A-438 1984" SET FLUSH WITH THE GROUND. LOCATED IN THE NORTHWEST QUADRANT OF MENAUL BOULEVARD AND THE A.T. & S.F. RAILROAD TRACKS INTERSECTION. ELEV. 4975.35 (NAVD 1988)

TBM FOUND 1/2" REBAR WITH CAP "LS 11463" ELEV. 4965.21

- 3. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION PHASE.
- 4. CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM THE CITY OF ALBUQUERQUE, PRIOR TO ANY GRADING OR
- 5. TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING
- 6. ALL EMBANKMENTS SHALL BE PLACED AND COMPACTED IN LIFTS OF MAXIMUM OF 8". THE EMBANKMENTS SHALL BE WETTED AND COMPACTED TO 95% OPTIMUM DENSITY PER ASTM D1557 AND 95% UNDER ALL STRUCTURES INCLUDING DRIVEWAYS AND PARKING LOTS.
- 7. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 8. ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE STORM DRAINAGE REGULATIONS. ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE "GRADING AND DRAINAGE DESIGN REQUIREMENTS AND POLICIES FOR LAND DEVELOPMENT."
- 9. THE OWNER, CONTRACTOR AND/OR BUILDER SHALL COMPLY WITH ALL APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS AND REQUIREMENTS.

- 10. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE AND REASONABLE MEASURES TO PREVENT SEDIMENT OR POLLUTANT LADEN STORM WATER FROM EXITING THE SITE DURING CONSTRUCTION. STORMWATER MAY BE DISCHARGED IN A MANNER, WHICH COMPLIES WITH THE APPROVED GRADING AND DRAINAGE PLAN.
- 11. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE MEASURES TO PREVENT THE MOVEMENT OF CONSTRUCTION RELATED SEDIMENT, DUST, MUD, POLLUTANTS, DEBRIS, WASTE, ETC FROM THE SITE BY WIND, STORM FLOW OR ANY OTHER METHOD EXCLUDING THE INTENTIONAL, LEGAL TRANSPORTATION OF SAME IN A MANNER ACCEPTABLE BY THE CITY.
- 12. THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE AREAS SHOWN AS "SLOPE LIMITS" ON THE GRADING AND DRAINAGE PLAN.
- 13. SEE ARCHITECTURAL DRAWINGS FOR SIDEWALK AND HANDICAPPED RAMPS, DETAILS AROUND THE BUILDING.
- 14. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR CLARIFICATION IF THERE ARE ANY SPOT ELEVATIONS ON THE GRADING AND DRAINAGE PLAN WHICH APPEAR TO BE AMBIGUOUS OR DO NOT MEET THE INTENT OF THE GRADING AND DRAINAGE PLAN.
- 15. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR CLARIFICATION IF THERE ARE SIDEWALKS OR CONCRETE FLATWORK WHICH DOES NOT MEET ADA ACCESSIBILITY REQUIREMENTS. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0%, ALL SIDEWALKS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5.0%, AND ALL RAMPS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 15:1.
- FOR REVIEW PRIOR TO CONSTRUCTION.
- ADJUSTED TO NEW FINISH GRADE.

VICINITY MAP SCALE: NOT TO SCALE

IDO Zoning information as of May 17, 2018 The Zone Districts and Overlay Zones

are established by the

Integrated Development Ordinance (IDO).

National Flood Hazard Layer FIRMette SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOU Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X FLOOD HAZARD Area with Flood Risk due to Levee Zone NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs Area of Undetermined Flood Hazard Zone GENERAL - - - Channel, Culvert, or Storm Sewe STRUCTURES | IIIIII Levee, Dike, or Floodwall B 20.2 Cross Sections with 1% Annual Chance _____17.5 Water Surface Elevation ®- - Coastal Transect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundar --- Coastal Transect Baseline OTHER - Profile Baseline FEATURES | Hydrographic Feature No Digital Data Available MAP PANELS The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/23/2020 at 4:14 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or ecome superseded by new data over time

1:6,000

Areas Outside of City Limits

Historic Protection Overlay (HPO) Zone

View Protection Overlay (VPO) Zone

Feet

HYDROLOGY CALCULATIONS

HYDROLOGY

			HIDKU	LUGI					
Precipitation 2	Zone 3 - 100-	year Storm		P(360) =	2.6	in	P(1440) =	3.1	in
	Basin	Land Treatment Factors							
Basin	Area	Α	В	С	D	Ew	V(100-6)	V(100-24)	Q(100)
	(Ac)		(Acres	s)		(in)	(af)	(af)	(cfs)
Existing Cond	litions								
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 Co	nditions								
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 SF* 0.42"/12)

VFF = 823.9 CF

VOLUME PROVIDED 0.0AF = 0.0 CF* * OWNER W PAY FEE IN LIEU OF PONDING.

* \$8/CF* 823.9 CF = \$6,591.20

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.

7/25/22

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.

Project No. 012119

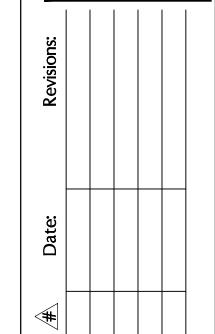
Issue Date: February 4, 2021

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Sheet Title:

Hydrology Report MILLER ENGINEERING CONSULTANTS Engineers • Planners

Sheet No.

FLOOD ZONE MAP

35001C0137H

regulatory purposes.

elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers,

unmapped and unmodernized areas cannot be used for

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3500 COMANCHE, NE BUILDING F ALBUQUERQUE, NM 87107

(505)888-7500 (505)888-3800 (FAX)

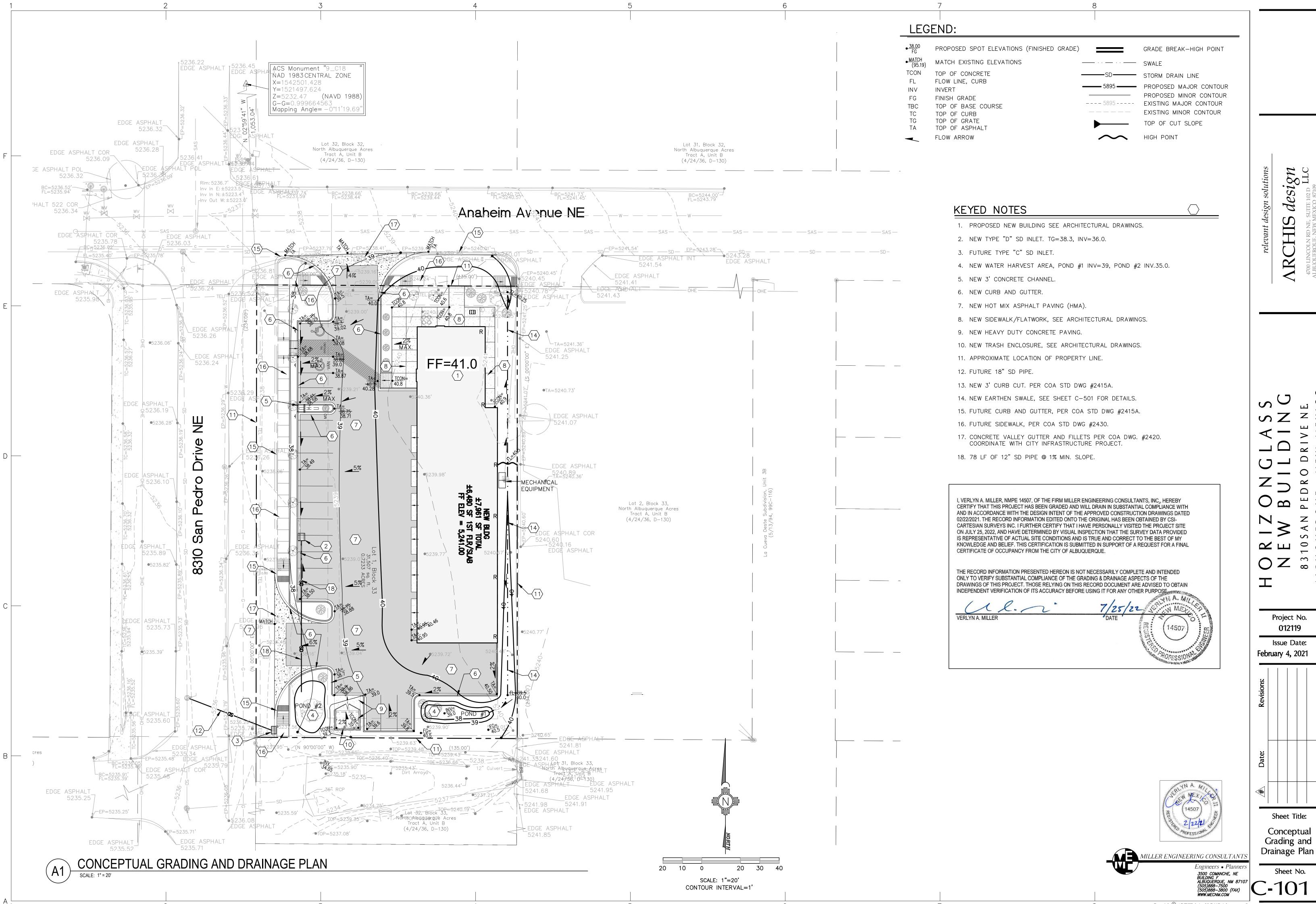
0 250 500

16. ALL SIDEWALKS AND CONCRETE FLATWORK SHALL HAVE A MINIMUM OF 0.5% SLOPE. CONTRACTOR SHALL CONTACT PROJECT ENGINEER IF THERE ARE SIDEWALKS OR CONCRETE FLATWORK WHICH DO NOT MEET THIS REQUIREMENT.

17. THE CONTRACTOR SHALL SUBMIT MATERIAL SUBMITTALS, CUT SHEETS AND SHOP DRAWINGS FOR ALL CIVIL RELATED ITEMS

18. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS (UPDATE 8, AMENDMENT 1)

19. ALL EXISTING MANHOLES, VALVES AND METERS SHALL BE



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