CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



May 7, 2025

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

RE: 8401 Firestone Lane NE

Permanent C.O. - Accepted Grading & Drainage Plans

Engineer's Stamp Date: 07/21/23 Engineer's Certification Date: 4/15/25

Hydrology File: C17D013B3 Case # HYDR-2025-00128

PO Box 1293

Dear Mr. Miller:

Albuquerque

Based on the Certification received 04/16/2025 and site visit 4/25/2025, this certification is approved in support of Permanent Release of Occupancy by Hydrology.

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

NM 87103

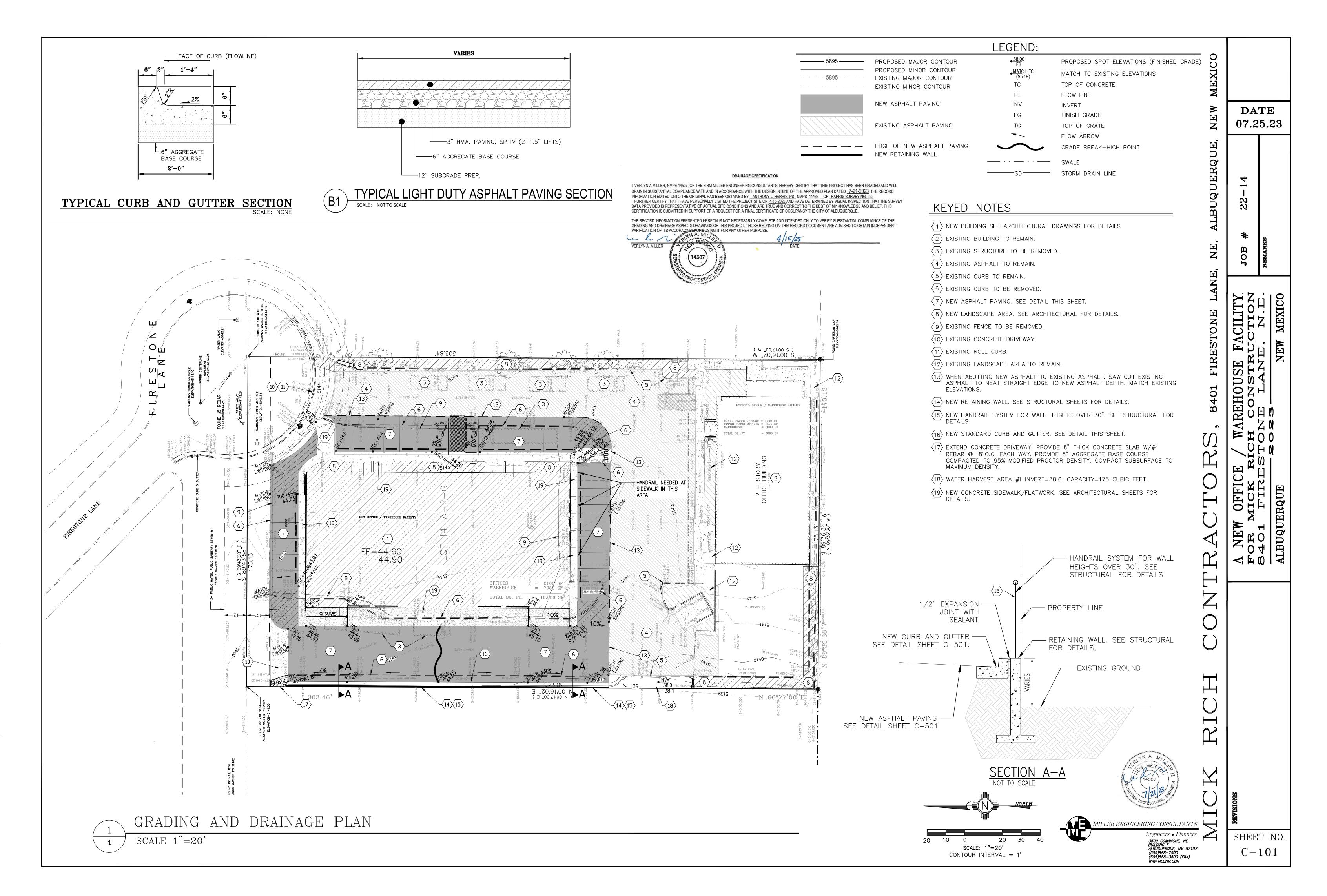
Sincerely,

www.cabq.gov

Anthony Montoya, Jr., P.E., CFM Senior Engineer, Hydrology

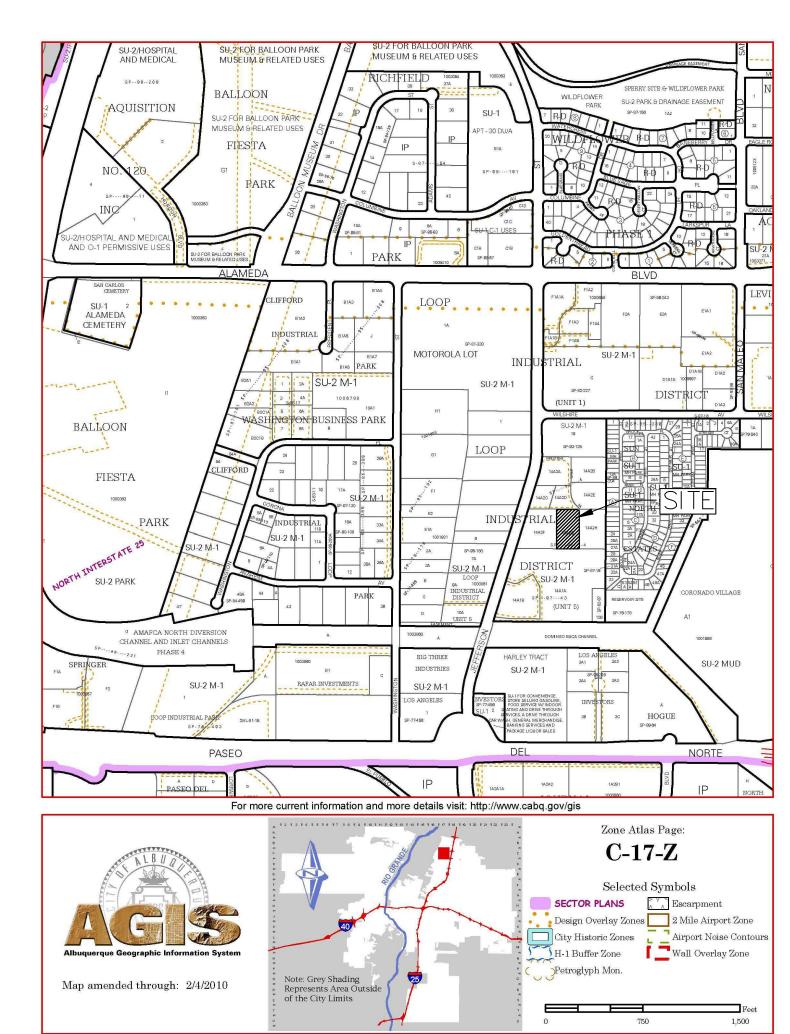
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Planning Department, Development Review Services



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FLOOD ZONE MAP FLOOD ZONE MAP 35001C0137H



VICINITY MAP

ZONE MAP C-17-Z

DRAINAGE REPORT

SITE LOCATION

The existing site is an approximate 1.2-acre parcel located 8401 Firestone Lane NE in Albuquerque. The site is located on the east side of Jefferson Boulevard and north of Domingo Baca Road can be accessed via Jefferson Boulevard (see vicinity map this sheet).

EXISTING CONDITIONS

The existing site is a parcel that is estimated at 1.2-acres and is mostly developed with a commercial building, an asphalt-paved parking lot and a dirt parking lot. The site currently slopes from east to west at a mild to moderate slope. The site does not lie within a 100-year FEMA floodplain (see FEMA panel on this sheet).

PROPOSED CONDITIONS

The proposed project will consist of a new commercial building to be placed over the existing dirt parking lot area. The total area of impervious disturbance for this site under proposed conditions is estimated at 1.1 acres. The storm water quality volume for this disturbance area is estimated at 1040 cubic feet. An effort has been made to accommodate storm water quality ponds a landscape buffer located on the west side of the site. The total storm water quality pond volume is estimated at 175 cubic feet. The drainage calculations are indicated on this sheet.

CONCLUSIONS

When fully developed as indicated on the grading and drainage plan, the runoff from the site will increase by an estimated at 0.55 cfs and 0.040 acre-feet during the 100-year, 24-hour event. Storm water runoff from the site will discharge to its historical location west into a new water harvest pond and then eventually to Jefferson Boulevard. One storm water quality pond with a capacity of 175 cf has been provided on site. The owner is requesting payment in lieu of for the outstanding Water Quality Volume of 865 cf, which totals \$6,920.00.

GENERAL NOTES:

- EXISTING TOPOGRAPHIC SURVEY PERFORMED AND COMPILED BY HARRIS SURVEYING, INC., 1308 CIELO VISTA DEL SUR, NW, CORRALES, NEW MEXICO 87048. APRIL 2023. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
- 2. PROJECT BENCHMARK IS A CITY OF ALBUQUERQUE SURVEY STATION STAMPED "12-C-17". HAVING AN ELEVATION OF 5110.624. NAVD 1988
- 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 CONSTRUCTION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- 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.
- 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 FOR REVIEW PRIOR TO CONSTRUCTION.
- 18. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2019 EDITION OF THE NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (GREY BOOK).
- 19. ALL EXISTING MANHOLES, VALVES AND METERS SHALL BE ADJUSTED TO NEW FINISH GRADE.
- 20. THE CONTRACTOR SHALL SUBMIT A SEED MIX DESIGN TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO STARTING THE SEEDING ON THE PROJECT. THE SEED MIX DESIGN SHALL BE A SEED MIX RECOMMENDED BY NRCS FIELD OFFICE REPRESENTATIVE APPROPRIATE FOR PROJECT LOCATION.
- ALL DISTURBED AREAS, NOT ADDRESSED BY ARCHITECTURAL LANDSCAPE PLAN WITH SLOPES OF LESS THAN 3:1 SHALL RECEIVE CLASS "A" SEEDING. ANY SLOPES THAT ARE 3:1 OR STEEPER SLOPES SHALL RECEIVE STEEP SLOPE SEEDING. THE STEEP SLOPE SEEDING SHALL CONSIST OF SEEDING IN CONJUNCTION WITH A 100% COCONUT FIBER BLEND EROSION BLANKET (NORTH AMERICAN GREEN C125) OR APPROVED

DPM HYDROLOGY CALCULATIONS

Precipita	ation Zone 2 -	- 100-year	00-year Storm F		2.35	2.35 in		2.75	in
	Basin	Land Treatment Factors							
Basin	Area	Α	В	С	D	Ew	V(100-6)	V(100-24)	Q(100)
	(Ac)	(Acres)			(in)	(af)	(af)	(cfs)	
Existing	Existing Conditions								
Site	1.220	0.000	0.000	0.470	0.750	1.739	0.177	0.202	5.001
Total	1.220							0.202	5.001
Propose	Proposed Conditions								
Site	1.220	0.000	0.000	0.120	1.100	2.02	0.206	0.242	5.547
Total	1.220							0.242	5.547

WATER HARVEST AREA

WHA #1							
Pond Rating Table							
Side Sk	рре						
Elev.	Area	Volume	Cum Volume				
(ft)	(sq ft)	(cf)	(cf)				
38	175	0	0				
39	175	175.000	175.000				

FIRST FLUSH CALCULATIONS

FIRST FLUSH =(0.26/12" * 48,005 SF) = 1040 CFPAYMENT IN LIEU OF = 1040 CF - 175 CF =865 CF * \$8.00/CF = \$6,920.00



MILLER ENGINEERING CONSULTANTS Engineers • Planners 3500 COMANCHE, NE BUILDING F ALBUQUERQUE, NM 87107 (505)888-7500 (505)888-3800 (FAX) WWW.MECNM.COM

SHEET NO. C - 100

DATE

07.25.23

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ALBUQ



Transmittals for: PROJECTS Only

Payment-in-Lieu for Storm Water Quality Volume Requirement

CASH COUNT	AMOUNT	ACCOUNT NUMBER	FUND NUMBER	BUSINESS UNIT	PROJECT ID	ACTIVITY ID	AMOUNT
TOTAL CHECKS	\$6920.00	461615	305	PCDMD	24_MS4	7547210	\$6920.00
TOTAL AMOUNT						TOTAL DEPOSIT	\$6920.00

Mick Rich Construction Hydrology#: C17D013B3 Name: Warehouse Payment In-Lieu for Storm Water Quality Volume Requirement Address/Legal 8401 Firestone Lane NE Description: DEPARTMENT NAME: Planning Department/Development Review Services, Hydrology **PHONE** PREPARED BY Yolanda J Montoya 505-924-3861 BUSINESS DATE May 1, 2025 DUAL VERIFICATION OF DEPOSIT REMITTER: AMOUNT: BANK: CHECK #: DATE ON CHECK:

City of Albuquerque

Reference Number: 2025127001-11 Date/Time: 05/07/2025 9:56;24 AM

Departmental Deposit 2025127001-11-1 Departmental Deposit 1@ \$6,920.00 GL #: |305|461615||PCDMD|24MS4|7547210| Total:

1 ITEM TOTAL:

\$6,920.00

\$6,920.00

TOTAL:

DUPLICATE RECEIPT 5/7/2025 9:57:20 AM

Bank Account #: **1065 Check Number: 060112 Bank Routing #: ****2063

\$6,920,00

Address: Total Received:

\$6,920.00

Thank you for your payment.