

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

December 19, 2023

Aaron M. Barnhart, P.E.
Wallace Design Collective
9800 Pyramid Court, Suite 350
Englewood, Colorado 80112

**RE: Bank of Oklahoma – 6301 Jefferson
Grading and Drainage Plans
Engineer's Stamp Date: 12/14/23
Hydrology File: E17D016C**

Dear Mr. Barnhart:

Based upon the information provided in your submittal received 12/19/2023, the Grading & Drainage Plan is approved for Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PO Box 1293

PRIOR TO CERTIFICATE OF OCCUPANCY:

Albuquerque

NM 87103

www.cabq.gov

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.
2. Please pay the Payment-in-Lieu of \$ **173.07** by emailing the attached approved Waiver Application from Stormwater Quality Volume Management On-site to PLNDRS@cabq.gov. Once this is received, a receipt will then be produced and email back. Follow the instructions on the bottom of the form and pay it at the Treasury in Plaza de Sol. Once paid, please provide me proof of payment.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

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



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title: _____ Hydrology File # _____

Legal Description: _____

City Address, UPC, OR Parcel: _____

Applicant/Agent: _____ Contact: _____

Address: _____ Phone: _____

Email: _____

Applicant/Owner: _____ Contact: _____

Address: _____ Phone: _____

Email: _____

(Please note that a DFT SITE is one that needs Site Plan Approval & ADMIN SITE is one that does not need it.)

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

RE-SUBMITTAL: YES NO

DEPARTMENT: TRANSPORTATION HYDROLOGY/DRAINAGE

Check all that apply under Both the Type of Submittal and the Type of Approval Sought:

TYPE OF SUBMITTAL:

ENGINEER/ARCHITECT CERTIFICATION
PAD CERTIFICATION
CONCEPTUAL G&D PLAN
GRADING & DRAINAGE PLAN
DRAINAGE REPORT
DRAINAGE MASTER PLAN
CLOMR/LOMR
TRAFFIC CIRCULATION LAYOUT (TCL)
ADMINISTRATIVE
TRAFFIC CIRCULATION LAYOUT FOR DFT
APPROVAL
TRAFFIC IMPACT STUDY (TIS)
STREET LIGHT LAYOUT
OTHER (SPECIFY) _____

TYPE OF APPROVAL SOUGHT:

BUILDING PERMIT APPROVAL
CERTIFICATE OF OCCUPANCY
CONCEPTUAL TCL DFT APPROVAL
PRELIMINARY PLAT APPROVAL
FINAL PLAT APPROVAL
SITE PLAN FOR BLDG PERMIT DFT
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
OTHER (SPECIFY) _____

DATE SUBMITTED: _____

December 11, 2023

Renee Brissette
Senior Engineer, Hydrology
City of Albuquerque
Planning Department
(720) 865-3134

Re: *Bank of Oklahoma – 6301 Jefferson
Grading and Drainage Plans
Comment Responses to December 6, 2023 comments*

Dear Renee:

Wallace Design Collective has reviewed the 1st round of SSPR comments. Our comment responses to the individual comments provided in the word document are as follows:

1. Per the DPM, the following must be on the Grading Plan. Please note the Grading Plan must be a stand-alone construction document.
 - a. Please provide a Vicinity Map. Typically, this is the Zone Atlas. This can be downloaded in pdf format from the City of Albuquerque's website.
 - b. Please provide the Benchmark information (location, description and elevation) for the survey contour information provided.
 - c. Please provide the FIRM Map and flood plain note with effective date.
 - d. Please provide a legal Description of the property.
 - ***Response: A zone atlas map has been provided in the upper right corner of both sheets. The benchmark information is provided in the upper corner of the sheets. A floodplain note has been added on the Grading and Drainage Plans. A legal description has also been listed.***
2. Please place all the topographic information that CSI provided on the overall Grading & Drainage Plan. Then the second sheet can be the closeup view of the proposed building. (C500) Please show the existing finish floor of the building to be 5144.6' on the plans. These are the only two that Hydrology needs to approve.
 - ***Response: Acknowledged. New Grading and Drainage plans have been created that have an overall and zoomed in view. The FFE above has been listed on the existing building in both sheets.***
3. Please use the procedure for 40 acre and smaller basins as outlined in Development Process Manual (DPM) (signed 06/08/20) Article 6-2(a). Please provide both the

existing conditions and proposed conditions for the 100 year-6-hour storm event.

- ***Response: Acknowledged. The 100-year 6-hour storms for existing and proposed conditions have been analyzed. Analysis is provided in a revised copy of the Hydrology Memo.***

4. Please follow the DPM Article 6-12 Stormwater Quality and Low-Impact Development for the sizing calculations. To calculate the required SWQV, multiply the all-new proposed impervious area by 0.26 inches for redevelopment sites.

- ***Response: Acknowledged. SWQV has been calculated based on the added impervious area.***

5. Since this site is a redevelopment and there is no room to provide the required volume, I would suggest removing the pond and filling out the attached Waiver of Management Onsite for the Stormwater Quality Volume (SWQV).

- ***Response: Acknowledged. Based on the response in item 4, we have utilized the SWQV volume to fill out the Waiver of management Onsite for the SWQV.***

6. Please add a note which states, "The Owner has elected to pay the Payment in Lieu for the required Stormwater Quality Volume. The Payment in Lieu Amount = $\text{XXX CF} \times \$8/\text{CF} = \XXX.00 ".

- ***Response: Acknowledged. This note is added on the Overall Grading & Drainage Plan (C500).***

If there are any questions, please reach out to the design team.

Sincerely,



Aaron M. Barnhart, PE
Associate



December 11, 2023

Tiequan Chen
Hydrology Development Review Services
City of Albuquerque Planning Department
600 2nd St NW
Albuquerque, NM 87102

RE: BOKF – Albuquerque
Hydrology Submission

This site is located at 6301 Jefferson St NE, within the Group Nine Industrial Park. The existing site is a 7.60-acre (331,056 SF) development with a building, parking lot, sidewalk, associated drive aisles which fall under type D land cover and type C land cover.

The proposed improvements to the site involve the addition of a new security structure for loading/unloading of armored trucks, along with added security fencing and pavement markings for associated infrastructure. These improvements will not alter existing drainage patterns beyond the site boundary. Existing type C land cover removal will be required for the new enclosure; additionally, the existing parking island will be removed to the southwest of the site to facilitate vehicular turnaround for armored vehicles, fire and life safety needs, and trash truck maneuvers for removal of refuse from the existing garbage enclosure. These removals of type C land cover total to 998 SF, which impacts only 0.30% of the total site area listed above.

Due to the minimal increase in impervious coverage, a detailed hydrologic and hydraulic analysis of the site would be superfluous as the improvements in this amendment are self-contained, and the land treatment remains classified as Treatment D in both the existing and proposed conditions, as defined by the City of Albuquerque Development Process Manual Section 6-2(A)(2). Exhibits for the existing and proposed site conditions, and associated calculations are provided as attachments to this memorandum. Should you have any additional questions or need additional information please let me know.

Sincerely,

WALLACE DESIGN COLLECTIVE

Civil Engineering Services

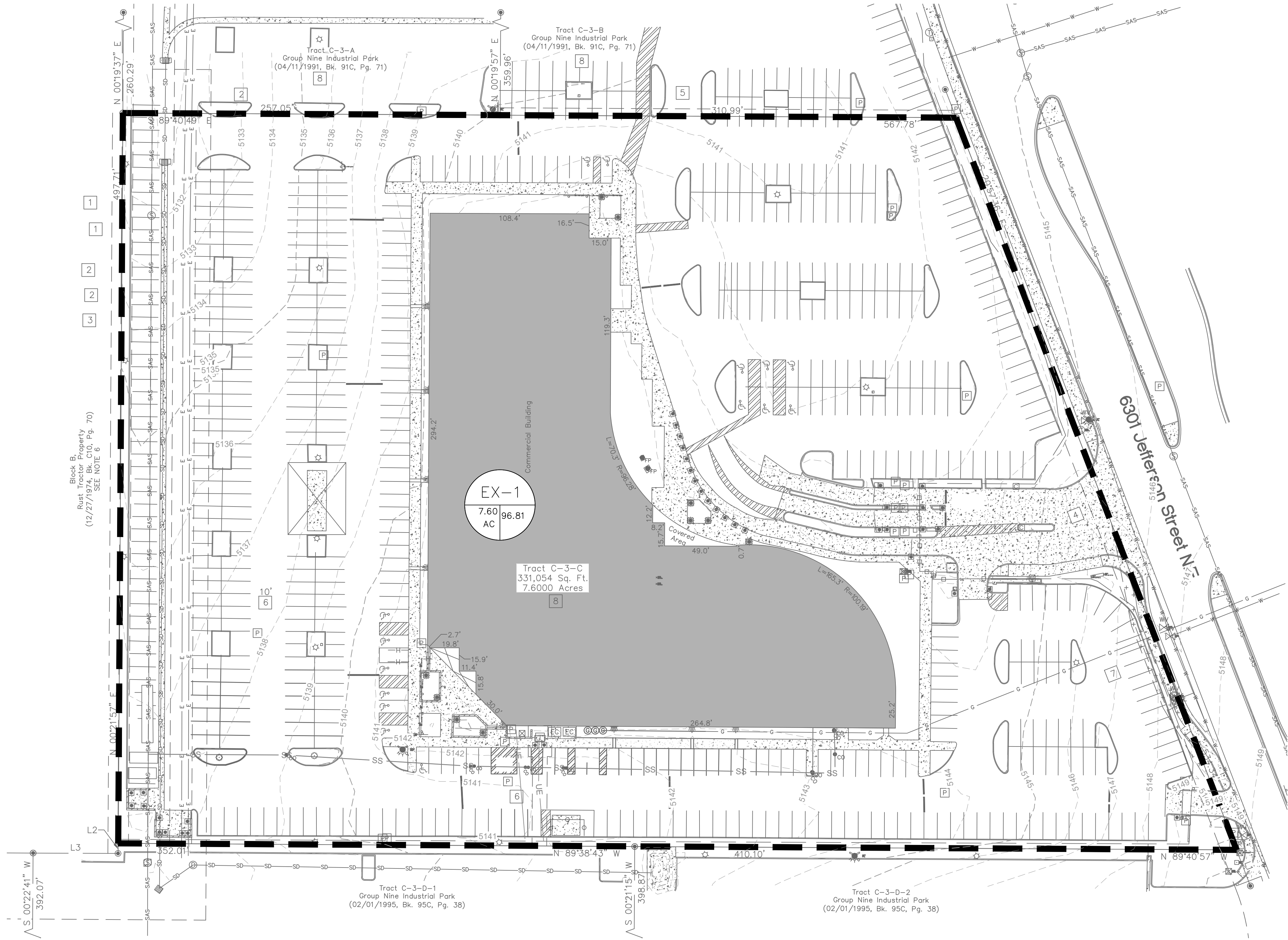
Aaron Barnhart, P.E.
Associate



12/14/2023

ATTACHMENTS

- Exhibit 1 – Existing Site Conditions
- Exhibit 2 – Proposed Site Conditions
- Exhibit 3 – Site Imperviousness & Rainfall Comparison
- Exhibit 4 – FEMA Firmette



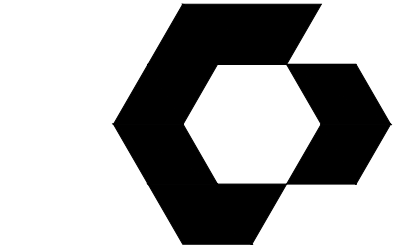
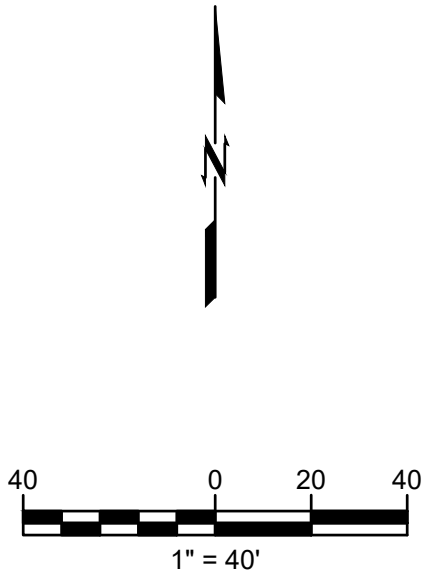
LEGEND

DRAINAGE AREA BOUNDARY
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR

SUB-BASIN NAME,
ACREAGE AND
COMPOSITE CURVE NUMBER

- - -
- - -

XX-X
X.XX AC X.XX



CYNTERGY
810 S CINCINNATI AVE, STE 200
TULSA, OK 74119
918.877.6000



wallace
design
collective

wallace design collective, pc
structural-civil-landscape-survey
9800 pyramid court, suite 350
englewood, co 80112
303.350.1690-800.344.5858
P.N. 2240493

**BOKF JEFFERSON
OPERATIONS CENTER**

BANK OF OKLAHOMA FINANCIAL

6301 JEFFERSON
ALBUQUERQUE, NM 87109

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ISSUES / REVISIONS

△	ASI 1	08.25.2023

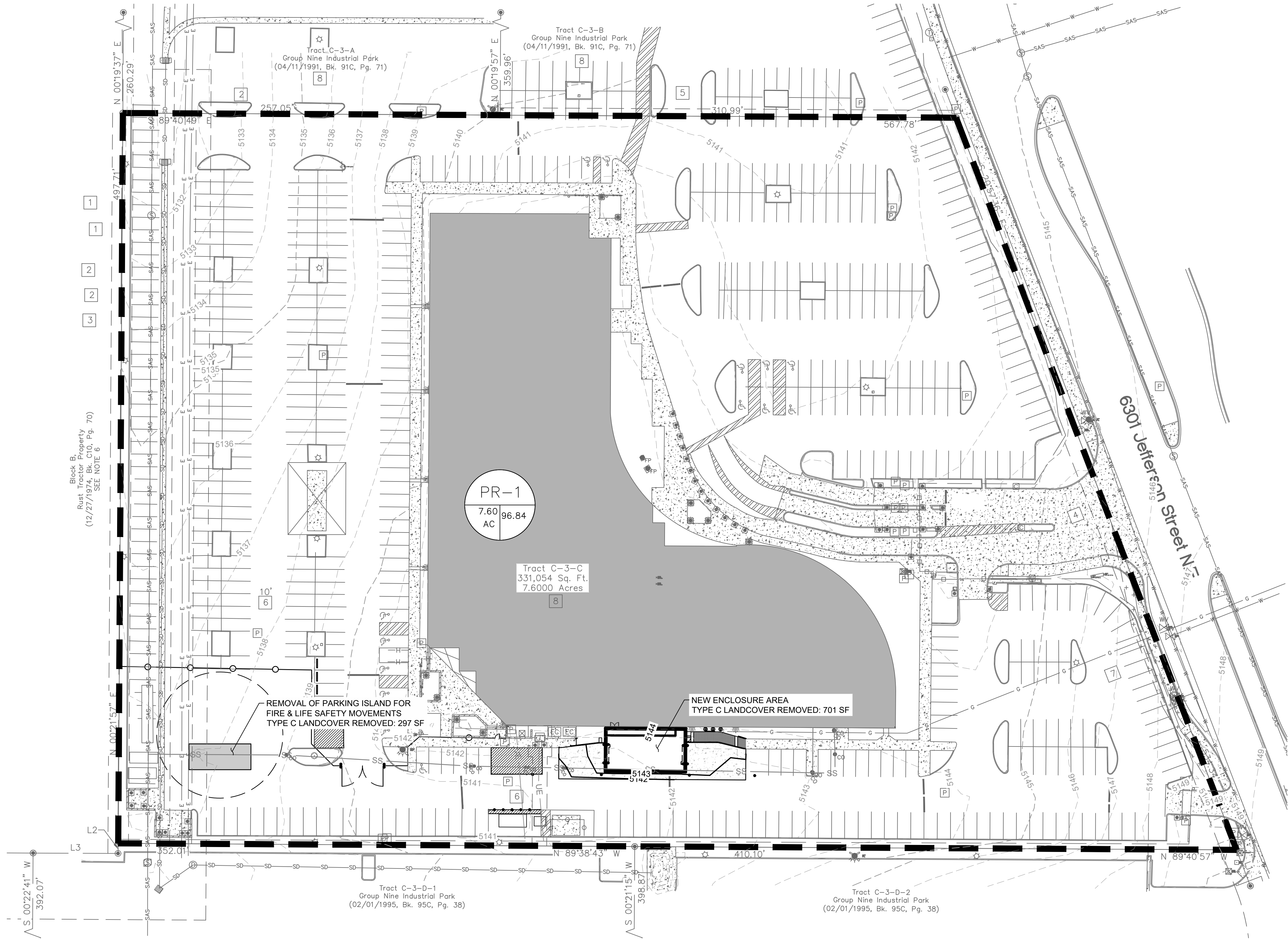
ISSUE DATE: 08/25/2023
CHECKED BY: JMD
DRAWN BY: CJC

SHEET NAME

EXISTING CONDITIONS

SHEET NUMBER

EXH-1

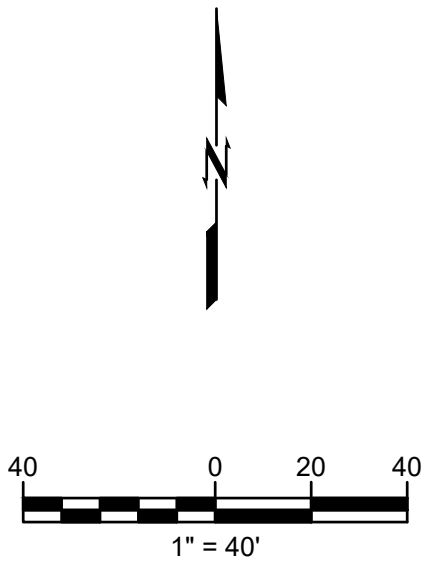


LEGEND

DRAINAGE AREA BOUNDARY
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR
PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR

SUB-BASIN NAME,
ACREAGE AND
COMPOSITE CURVE NUMBER

XX-X
X.XX AC XX.XX



ISSUES / REVISIONS		
△	ASI 1	08.25.2023

EXISTING CONDITIONS

Date	12/11/2023	Sheet No.	1	of	2
Job#	BOKF - Albuquerque				
Subject	Existing Site Imperviousness				

Composite Runoff Coefficients

Land Use Or Surface Characteristics	Zone 2 C Value*
Land Treatment D (Pavement & Roof)	0.90
Land Treatment C (Minimal Vegetation)	0.63

Subbasin	Total Area (acres)	Total Area (sf)	Land Use Area per Subbasin					Weighted C	100-Year, 6-Hour Storm Intensity (in)**	Q100 (cfs)
			Land Treatment D (Pavement & Roof)		Land Treatment C (Minimal Vegetation)		% Check			
			Area (sf)	%	Area (sf)	%				
EX-1	7.60	331,055	298,127	90.1%	32,928	9.9%	100%	0.87	2.29	15.20
Total Site	7.60	331,055	298,127	90.1%	32,928	9.9%		0.87		15.20

*C values pulled from Table 6.2.15 of the Albuquerque Development Process Manual
**Rainfall Depth for Zone 2 from Table 6.2.8 of the Albuquerque Development Process Manual

PROPOSED CONDITIONS

Date	12/11/2023	Sheet No.	2	of	2
Job#	BOKF - Albuquerque				
Subject	Proposed Site Imperviousness				

Composite Runoff Coefficients

Land Use Or Surface Characteristics	Zone 2 C Value*
Land Treatment D (Pavement & Roof)	0.90
Land Treatment C (Minimal Vegetation)	0.63

Subbasin	Total Area (acres)	Total Area (sf)	Land Use Area per Subbasin					Weighted C	100-Year, 6-Hour Storm Intensity (in)**	Q100 (cfs)	
			Land Treatment D (Pavement & Roof)		Land Treatment C (Minimal Vegetation)		% Check				
			Area (sf)	%	Area (sf)	%					
PR-1	7.60	331,055	299,126	90.4%	31,929	9.6%	100%	0.87	2.29	15.21	
Total Site	7.60	331,055	299,126	90.4%	31,929	9.6%		0.87		15.21	
Change in Area/% Coverage			998	0.30%	-998	-0.30%	EX-1 CN	0.87		15.20	
*C values pulled from Table 6.2.15 of the Albuquerque Development Process Manual								Change	0.001	Increase	0.01

*C values pulled from Table 6.2.15 of the Albuquerque Development Process Manual
**Rainfall Depth for Zone 2 from Table 6.2.8 of the Albuquerque Development Process Manual

PROPOSED CONDITIONS

Date	12/11/2023	Sheet No.	1	of	1
Job#	BOKF - Albuquerque				

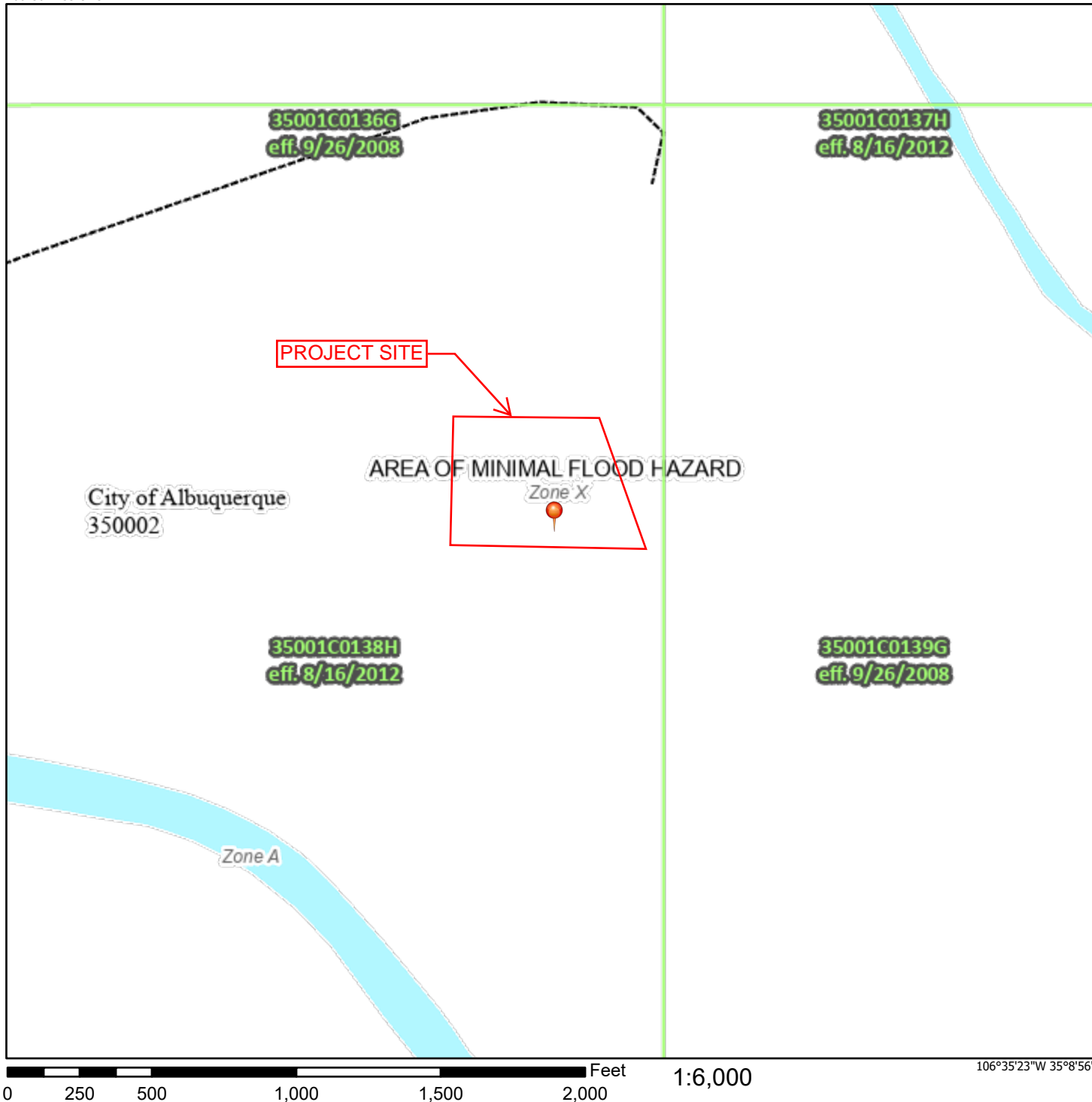
STORMWATER QUALITY AND LOW-IMPACT DEVELOPMENT

NEW IMPERVIOUS AREA (SF)	RAINFALL AMOUNT (REDEVELOPMENT SITE)	STORMWATER QUALITY VOLUME (CF)	PAYMENT IN LIEU RATE	PAYMENT IN LIEU AMOUNT
998	0.26	21.63	\$ 8.00	\$ 173.07

National Flood Hazard Layer FIRMette



106°36'W 35°9'25"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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 basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **12/11/2023 at 3:23 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Basemap Imagery Source: USGS National Map 2023

CITY OF ALBUQUERQUE
PLANNING DEPARTMENT
HYDROLOGY DEVELOPMENT SECTION

**WAIVER APPLICATION FROM STORMWATER
QUALITY VOLUME MANAGEMENT ON-SITE**

GENERAL INFORMATION

APPLICANT: Aaron M. Barnhart DATE: 12/8/2023
DEVELOPMENT: BOKF Site Development
LOCATION: 6301 Jefferson St NE, Albuquerque, NM 87109

STORMWATER QUALITY POND VOLUME

Per the DPM Article 6-12 - Stormwater Quality and Low-Impact Development, the calculated sizing for required Stormwater Quality Pond volume is equal to the impervious area draining to the BMP multiplied by 0.42 inches for new development sites and by 0.26 inches for redevelopment sites.

The required volume is 21.63 cubic feet

The provided volume is 0 cubic feet

The deficient volume is 21.63 cubic feet

WAIVER JUSTIFICATION

Per the DPM Article 6-12(C), private off-site mitigation and payment-in-lieu may only be considered if management on-site is waived in accordance with the following criteria and procedures.

1. Management on-site shall be waived by the City Engineer if the following conditions are met:

- a. Stormwater quality can be effectively controlled through private off-site mitigation or through an arrangement (approved by the City) to use a cooperator's existing regional stormwater management infrastructure or facilities that are available to control stormwater quality.
 - b. Any of the following conditions apply:
 - i. The lot is too small to accommodate management on site while also accommodating the full plan of development.
 - ii. The soil is not stable as demonstrated by a geotechnical report certified by a professional engineer licensed in the State of New Mexico.
 - iii. The site use is inconsistent with the capture and reuse of stormwater.
 - iv. Other physical conditions exist where compliance with on-site stormwater quality control leaves insufficient area.
 - v. Public or private off-site facilities provide an opportunity to effectively accomplish the mitigation requirements of the Drainage Ordinance (Part 14-5-2 ROA 1994) as demonstrated on as-built construction drawings and an approved drainage report.
 - vi. The developer constructs a project to replenish regional groundwater supplies at an off-site location.
 - vii. A waiver to State water law or acquisition of water rights would be required in order to implement management on site.
2. The basis for requesting payment-in-lieu or private off-site mitigation is to be clearly demonstrated on the drainage plan.

This project's justification: _____

This site fulfills conditions 1a. and 1bi.

The existing outflow locations are maintained and due to the relatively small addition of impervious area, over an area that is mostly impervious coverage already (Type D), there will be no adverse effects to the rest of the property or adjacent properties.



Aaron M. Barnhart

Professional Engineer or Architect

PAYMENT-IN-LIEU

Per the DPM Article 6-12(C)(1), the amount of payment-in-lieu is deficient volume (cubic feet) times \$6 per cubic feet for detached single-family residential projects or \$8 per cubic feet for all other projects.

AMOUNT OF PAYMENT-IN-LIEU = \$ 173.07

THIS SECTION IS FOR CITY USE ONLY

☒ Waiver is approved. The amount of payment-in-lieu from above must be paid prior to Certificate of Occupancy.

☐ Waiver is DENIED.

Renée C. Brissette

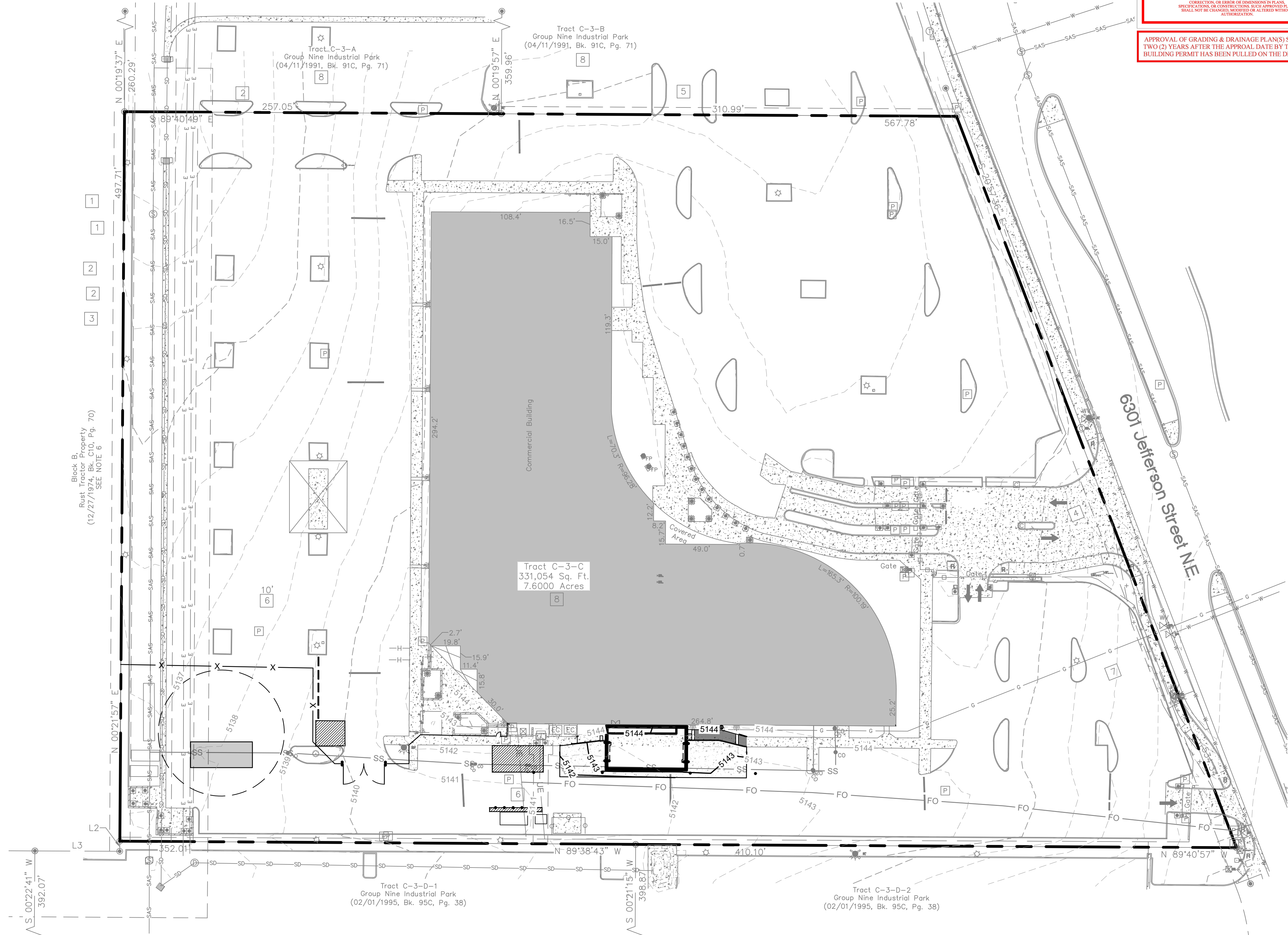
City of Albuquerque
Hydrology Section

12/19/23



CAUTION
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

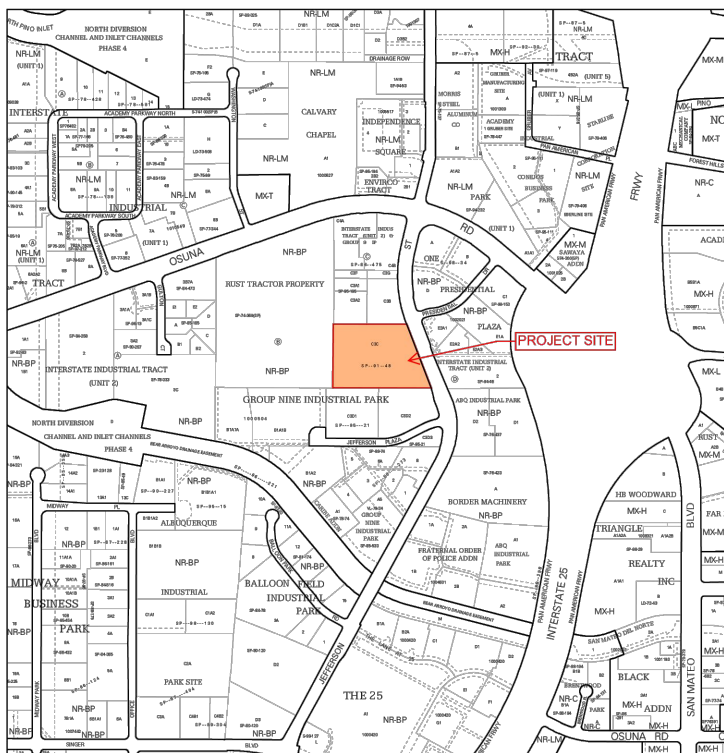


City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 12/19/23
BY: *Russell Brissett*
HydroTrans # E17D016C

THIS APPROVAL OF THESE PLANS/REPORT SHALL NOT BE
CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY
ORDINANCE OR STATE LAW, AND SHALL NOT IMPEDE
THE CITY OF ALBUQUERQUE FROM ENFORCEMENT
CORRECTION, OR ORDER OF DIMENSIONAL PLANS,
SPECIFICATIONS OR CONSTRUCTION. SUCH APPROVED PLANS
SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT
AUTHORIZATION.

**APPROVAL OF GRADING & DRAINAGE PLAN(S) SHALL EXPIRE
TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO
BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.**

BENCHMARK:
ACS MONUMENT "SMW-12" HAVING AN ELEVATION
OF 5242.356 FEET (NAVD88).



ZONE ATLAS:

DRAINAGE PLAN:

LEGAL DESCRIPTION: TRACT "C-3-C", OF THE REPLAT FOR TRACTS B-1, C-3-A, C-3-B, C-3-C, C-3-D, C-3-E, C-3-F, C-3-G OF GROUP NINE INDUSTRIAL PARK ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON APRIL 11, 1991, IN PLAT BOOK 91C, PAGE 71.

SITE AREA: 7.60 ACRES ±.

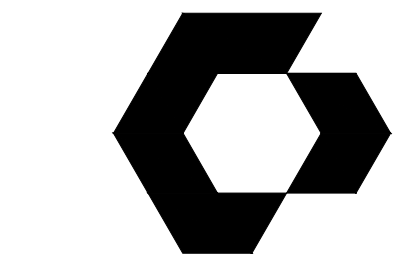
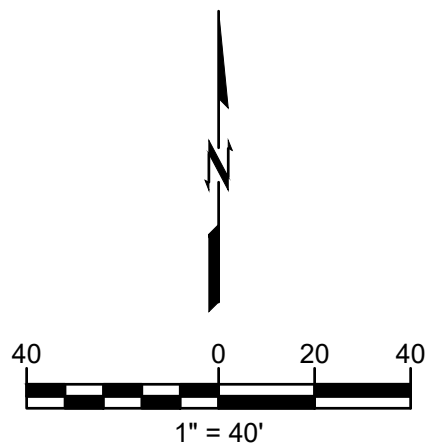
FLOOD HAZARD STATEMENT: F.E.M.A. FLOODWAY BOUNDARY AND FLOODWAY MAP DATED AUGUST 16, 2012 (PANEL NO. 35001C0138H) INDICATES A FLOOD HAZARD ZONE X, WHICH IS AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN.

EXISTING DRAINAGE CONDITIONS: UNDER EXISTING CONDITIONS, THE PROPERTY IS FULLY DEVELOPED WITH A BUILDING, PAVING AND LANDSCAPED AREAS. THIS IS PART OF THE GROUP 9 INDUSTRIAL PARK DEVELOPMENT.

DEVELOPED DRAINAGE CONDITIONS: THE REDEVELOPMENT DRAINAGE ANALYSIS FOR THIS SITE IS IN ACCORDANCE WITH CHAPTER 6, ARTICLE 6-2, SECTION 6-2(A), ENTITLED "PROCEDURE FOR 40-ACRE AND SMALLER BASINS." THE REDEVELOPED AREA CONSISTS OF ADDING AN ENCLOSURE FOR SECURE UNLOADING AREA, AND A REMOVED CURB ISLAND TO FACILITATE VEHICULAR MOVEMENTS. THIS RESULTS IN A NET INCREASE IN IMPERVIOUS AREA OF 998 SF. THE REDEVELOPMENT STORM DEPTH IS 0.26 INCHES.

STORMWATER QUALITY VOLUME (REDEVELOPMENT): 998 SF * (0.26 IN/ 12) = 21.63 CF

PROVIDED SWQV: 0*
THE OWNER HAS ELECTED TO PAY THE PAYMENT IN LIEU FOR THE REQUIRED STORMWATER QUALITY VOLUME.
***THE PAYMENT IN LIEU AMOUNT = 21.63 CF X \$8/CF = \$173.07**



CYNERGY
810 S CINCINNATI AVE, STE 200
TULSA, OK 74119
918.877.6000



12/14/2023



wallace design collective, pc
structural-civil-landscape-survey
9500 pyramid court, suite 350
englewood, co 80112
303.350.1690 800.344.5858
P.N. 2240493

**BOKF JEFFERSON
OPERATIONS CENTER
BANK OF OKLAHOMA FINANCIAL**

6301 JEFFERSON
ALBUQUERQUE, NM 87109

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ISSUES / REVISIONS

Δ	ASI 1	08.25.2023

ISSUE DATE: 12/14/2023
CHECKED BY: JMD
DRAWN BY: CJG

SHEET NAME

OVERALL GRADING &
DRAINAGE PLAN

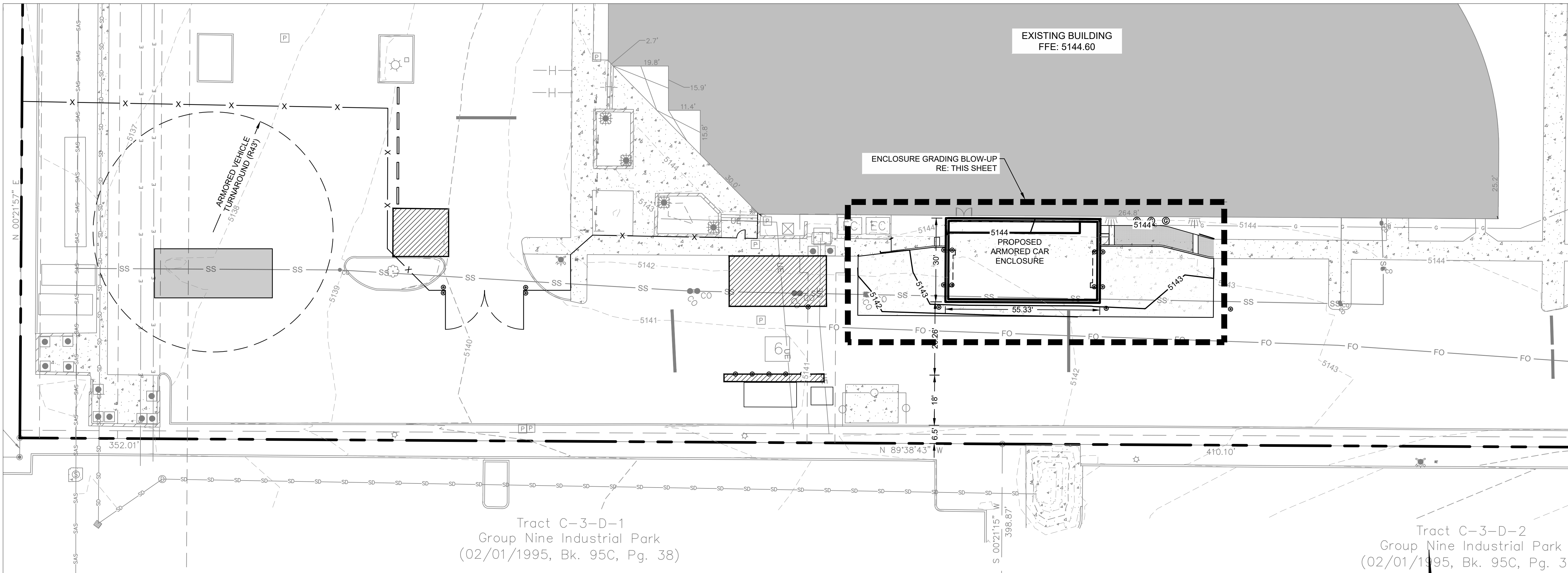
SHEET NUMBER

C500



CAUTION
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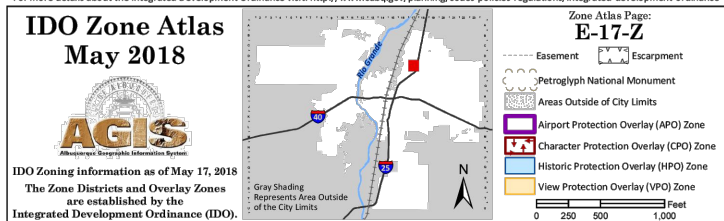


ENCLOSURE GRADING BLOW-UP
SCALE: 1"=10'

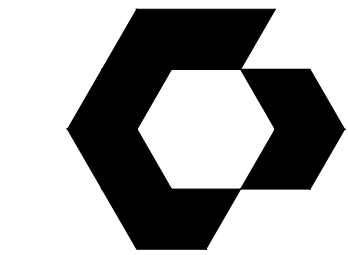
EXISTING BUILDING
FFE: 5144.60'

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 12/19/23
BY: *Ross C. Bruehl*
HydroTrans # E17D016C
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BENCHMARK:
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810 S CINCINNATI AVE, STE 200
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12/14/2023



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ISSUES / REVISIONS		
AS1	1	08.25.2023

ISSUE DATE: 12/14/2023
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SHEET NAME
**DETAILED GRADING
PLAN**

SHEET NUMBER

C501