CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director

Mayor Timothy M. Keller

December 12, 2022

Morey Walker, P.E.
Walker Engineering
905 Camino Sierra Vista
Santa Fe, NM 87505

RE: Blake's Lotaburger #27
2301 Carlisle Blvd. NE
Grading and Drainage Plan
Engineer's Stamp Date: 12/05/22
Hydrology File: H16D106

Dear Mr. Walker:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 11/30/2022, 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.

PRIOR TO CERTIFICATE OF OCCUPANCY:

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 **$ 464.00** by emailing the attached approved Waiver Application from Stormwater Quality Volume Management On-site to PLNDRS@cabg.gov. Once this is received, a receipt will then produce and email back with instructions on how to pay online. Once paid, please email 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

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: Blake's Lotaburger #27 Building Permit #: BP-2022-08066 Hydrology File #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: Tract A-1-B Blocks 24 & 26 Timoteo Chavez Addition

City Address: 2301 Carlisle Blvd. NE Albuquerque, NM 87110

Applicant: Barbara Felix Architecture + Design Contact: Becca Snyder

Address: 343 W Manhattan Ave, Santa Fe, NM 87501

Phone#: 505-820-1555 Fax#: 505-820-1527 E-mail: becca.snyder@bjfelix.com

Owner: Blake's Lotaburger LLC Contact: Ross Brown

Address: 3205 Richmond Drive NE, Albuquerque, NM 87107

Phone#: 505-884-2160 Fax#: _____ E-mail: RBrown@lotaburger.com

TYPE OF SUBMITTAL: _____ PLAT (___# OF LOTS) ____ RESIDENCE ____ DRB SITE X ____ ADMIN SITE

IS THIS A RESUBMITTAL?: X _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION X _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

____ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
____ CONCEPTUAL G & D PLAN
X ____ GRADING PLAN
____ DRAINAGE MASTER PLAN
____ DRAINAGE REPORT
____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
____ ELEVATION CERTIFICATE
____ CLOMR/LOMR
____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)
____ 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
X ____ 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: November 23, 2022 By: Barbara Felix Architecture + Design

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

CITY OF ALBUQUERQUE
PLANNING DEPARTMENT
HYDROLOGY DEVELOPMENT SECTION

WAIVER APPLICATION FROM STORMWATER QUALITY VOLUME MANAGEMENT ON-SITE

GENERAL INFORMATION

APPLICANT: Blakes Lotaburger, LLC DATE: 12-5-22

DEVELOPMENT: _____

LOCATION: 2301 Carlisle Blvd NE

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 58 cubic feet

The provided volume is 0 cubic feet

The deficient volume is 58 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: The stormwater quality will be controlled and discharged in to the existing AMAFCA rundown. There is a minimal increase in run-off with the proposed improvements.

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 = $ 464.00

THIS SECTION IS FOR CITY USE ONLY

[X] 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 12/12/22

City of Albuquerque
Hydrology Section

STAKING NOTE

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TOPOGRAPHY NOTE

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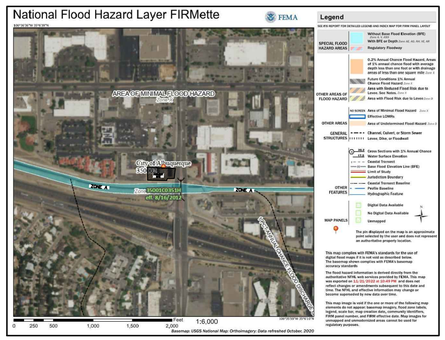
BENCH MARK

BENCH MARK ALBUQUERQUE CONTROL STATION " NM_47_10"
NMSCHC BRASS DISC LOCATED IN THE NE QUANTDRANT OF 4TH STREET NW AND INTERSTATE 40, STAMPED "STA NM47–10", SET ON TOP OF A CONCRETE POST.
TBM: FOUND AMAFCA BRASS CAP
ELEVATION: 5124.95

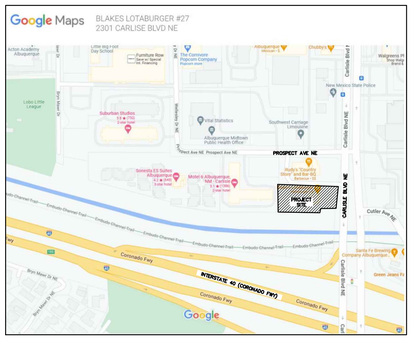
LEGAL DESCRIPTION

BLAKES LOTABURGER #27
TRACT A–1–B, BLOCK 24 & 26
TIMOTEO CHAVEZ ADDITION
WITHIN SECTION 10, TION R3E, NMPM
ALBUQUERQUE, BERNALILLO COUNTY, NM
MAY 2021

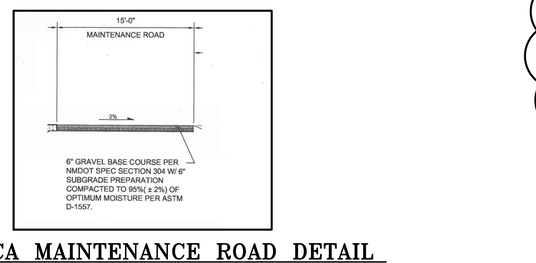


FIRM MAP

BERNALILLO COUNTY, NM
MAP NUMBER: 35001C0351H
EFFECTIVE : 08/16/2012
PANEL 0351H



VICINITY MAP

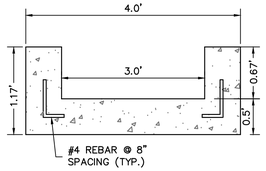


AMAFCA MAINTENANCE ROAD DETAIL

SCALE: 1" = 10'
10' 0 10'
CONTOUR INTERVAL = ONE FOOT (1')

LEGEND

- EXISTING CONTOURS
- DESIGN CONTOURS (65.0)
- SITE BOUNDARY
- PROPOSED SPOT ELEVATION (FG 40.50)
- FG — FIELD GRADE
- TA — TOP OF ASPHALT
- TC/BC — TOP OF CURB/BOTTOM OF CURB
- FFE
- WATER FLOW DIRECTION
- FINISHED PAD
- NEW ASPHALT
- ASPHALT TO BE REMOVED

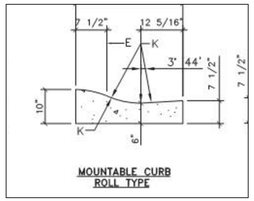


CONCRETE RUNDOWN DETAIL

NOT TO SCALE

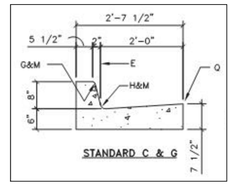
APPROVED FOR CONSTRUCTION WITHIN AMAFCA RIGHT OF WAY/EASEMENT

(FOR AMAFCA)



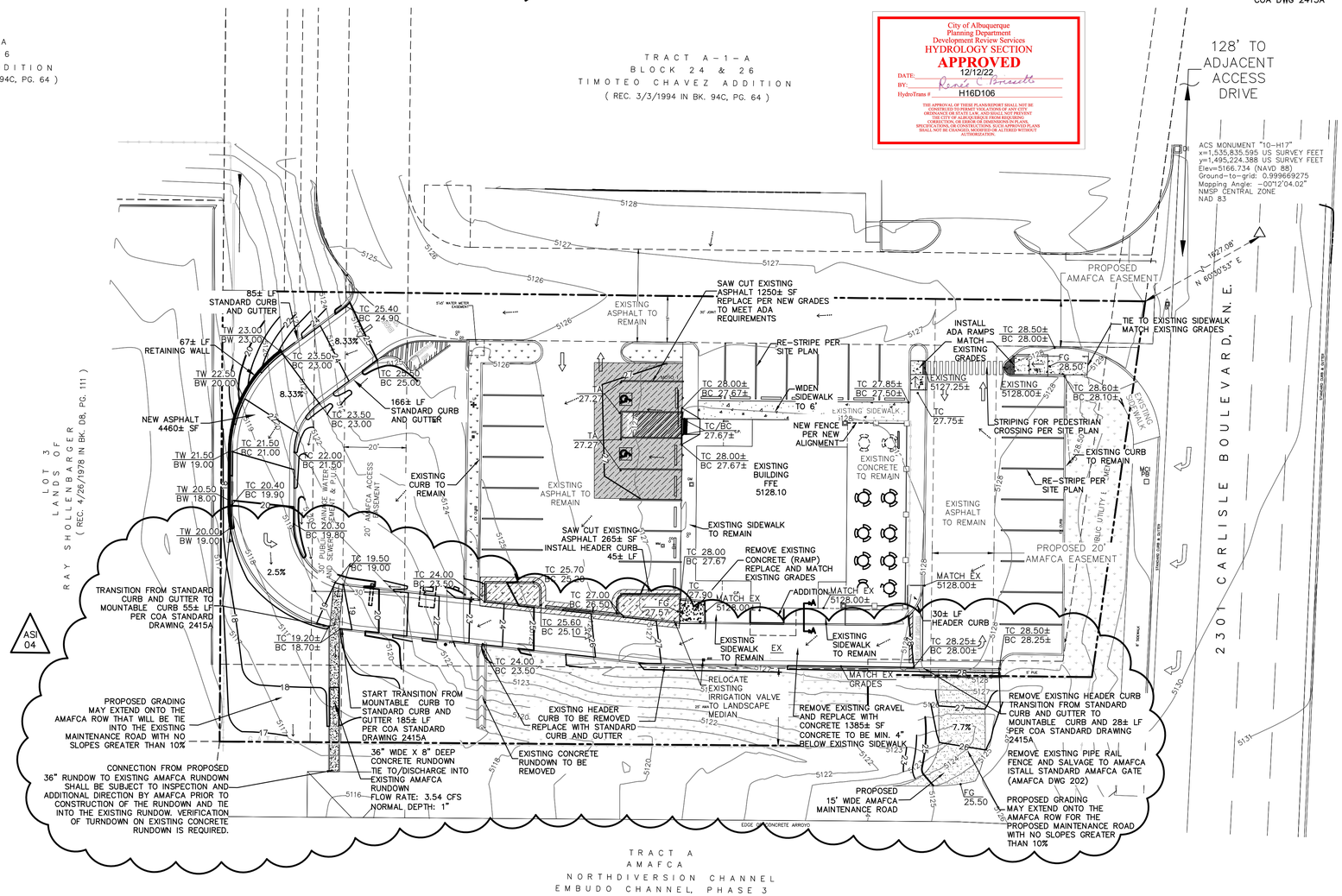
MOUNTABLE CURB DETAIL

COA DWG 2415A



STANDAR CURB & GUTTER DETAIL

COA DWG 2415A



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Barbara Felix Architecture + Design
511 Agua Fria Street, Santa Fe, NM 87501
Phone: 505.820.1555 Fax: 505.820.1527

LIPTON ENGINEERING

W-B Walker Engineering
1008 Bradbury Drive, Suite 2 Santa Fe, NM 87505
Phone: 505-438-7003 Fax: 505-438-7004

NEW MEXICO 12105 REGISTERED PROFESSIONAL ENGINEER
12/5/22

Blake's LOTABURGER

BLAKE'S LOTABURGER #27 DRIVE THROUGH

2301 CARLISE BLVD NE
ALBUQUERQUE, NM 87110

ISSUED

MARK	DATE	DESCRIPTION
AS–101	3/11/22	REVISED ENTRANCE/MEDIAN CURB
AS–03	8/10/22	REVISED CURB AND ADDED ADA RAMPS
AS–04	12/5/22	ADDED MOUNTABLE CURB FOR AMAFCA, RELOCATED AND MODIFIED CONCRETE RUNDOWN ADDED DETAILS

PROJECT NO.	21–258
FILE NAME	258 GRADE
DRAWN BY	P.L.B.
CHECKED BY	M.E.W.

Sheet Name: GRADING AND DRAINAGE PLAN

Sheet No.: C1
SHEET NO. ____ OF ____ SHEETS

STAKING NOTE

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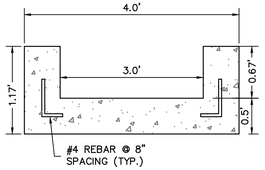

CONCRETE RUNDOWN DETAIL

NOT TO SCALE

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FINISHED PAD
NEW ASPHALT
ASPHALT TO BE REMOVED
DRAINAGE BASIN BOUNDARY

APPROVED FOR CONSTRUCTION WITHIN AMAFCA RIGHT OF WAY/EASEMENT

(FOR AMAFCA)

Rectangular Weir Calculation

$Q=3.247*L*H^{1.48^{3/2}}$

Q (CFS)	L (Length)	H (Height)
4.74	3	0.67

Required Q = 3.54, Allowable Q = 4.74 CFS, therefore a 3' wide x 8" deep concrete rundown is sufficient

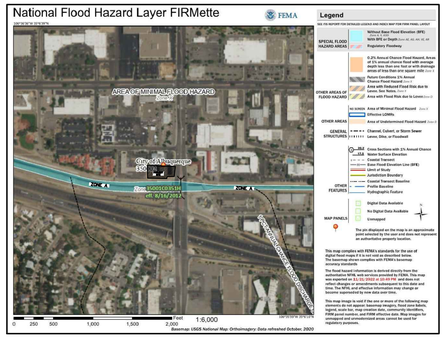
Normal Depth:

$Q = (1.486AR^{2/3}S^{0.5})/n$ $\quad y = (Q*n)/R^{2/3}*S^{0.5}*1.489$ $\quad y = 1"$

Q=3.54 cfs n=0.013
R = 0.46 A= b*y
S=0.04 b = 3'

Storm Water Quality Volume Calculation:

Description	Area (SF.)	Rainfall Depth (in)	Total Required Storage FT^3)
Water Quality Impervious Area	2765.00	0.26	59.91



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MAP NUMBER: 35001C0351H
EFFECTIVE : 08/16/2012
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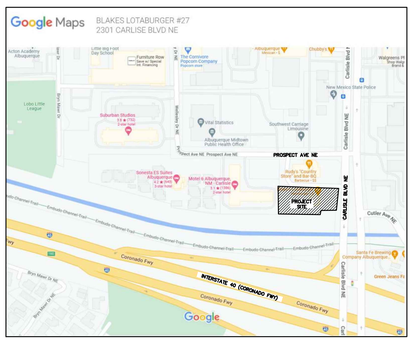
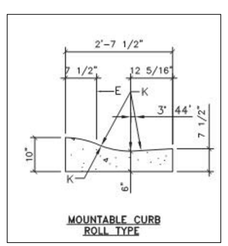


VICINITY MAP



MOUNTABLE CURB ROLL TYPE

MOUNTABLE CURB DETAIL

COA DWG 2415A

SCALE: 1" = 10'
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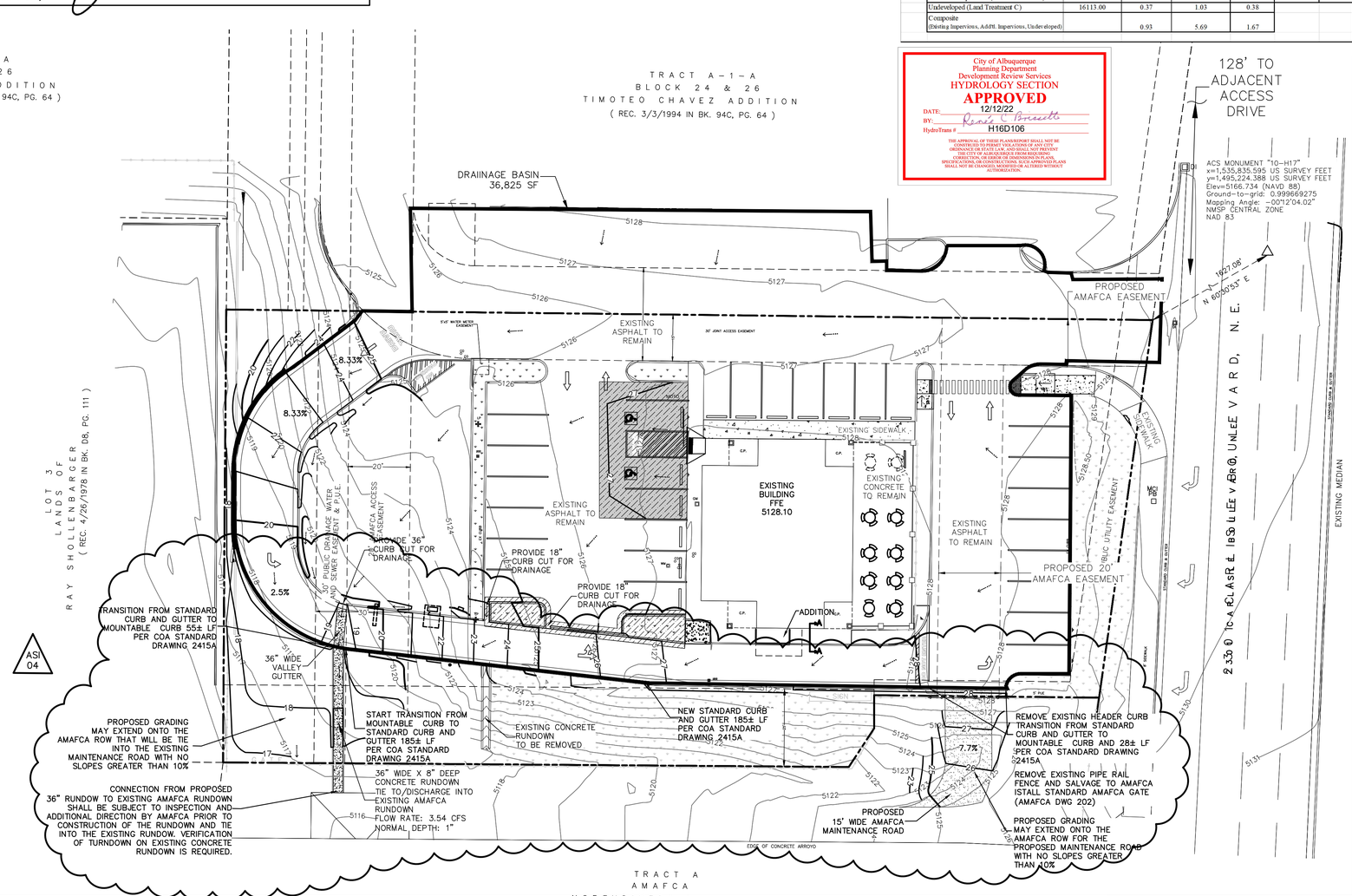

ASI 04

Walker Engineering
905 Camino Sierra Vista
Santa Fe, NM 87501

Stormwater Drainage Calculations
Project: Blakes Lotaburger #27
2401 Carlisle, Albuquerque NM

Project No: 21-128
Date: 11/22/2022

Developable Area: 0.93 Acres; 40304.00 Sq Ft
Precipitation Zone: 2

Existing Land Use — *Peak Discharge Table 6.2.14

Description	Area (SF.)	Area (Ac.)	*Qp (Peak Discharge)	Qp *A (CFS)
Existing Impervious (Land Treatment D)	21426.00	0.49	4.34	2.13
Undeveloped (Land Treatment C)	18878.00	0.43	3.05	1.32
Composite	40304.00	0.93		**3.46**

Proposed Land Use

Description	Area (SF.)	Area (Ac.)	*Qp (Peak Discharge)	Qp *A (CFS)
Existing Impervious (Land Treatment D)	21426.00	0.49	4.34	2.13
Additional Impervious (Land Treatment D)	2765.00	0.06	4.34	0.28
Undeveloped (Land Treatment C)	16113.00	0.37	3.05	1.13
Composite (Existing Impervious, Addtl. Impervious, Undeveloped)		0.93		**3.54**

Total Peak Discharge: 3.54 CFS

Runoff Volume (100 yr 6 Hour Excess Precipitaion, Table 6.2.13)

Existing Land Use

Description	Area (SF.)	Area (Ac.)	*E (Excess Precipitation) (Inches)	E *A	Weighted E (Inches)	Volume (ac-ft)
Existing Impervious (Land Treatment D)	21426.00	0.49	2.33	1.15	2.96	0.23
Undeveloped (Land Treatment C)	18878.00	0.43	1.03	0.45		
Composite	40304.00	0.93		1.59		

Proposed Land Use

Description	Area (SF.)	Area (Ac.)	*E (Excess Precipitation) (Inches)	E *A	Weighted E (Inches)	Volume (ac-ft)
Additional Impervious (Land Treatment D)	2765.00	0.06	2.33	0.15	1.97	0.15
Undeveloped (Land Treatment C)	16113.00	0.37	1.03	0.38		
Composite (Existing Impervious, Addtl. Impervious, Undeveloped)		0.93	5.69	1.67		

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 12/12/22
BY: Renée C. Brissette
HydroTrans # H16D106
THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO PERMIT VIOLATION OF ANY CITY ORDINANCES OR STATE LAW. NOR SHALL IT OBLIGATE OR PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTION, OR ERROR OR OMISSION IN PLANS, SPECIFICATIONS OR CONSTRUCTION. APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

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PROJECT NO.	21—258
FILE NAME	258 GRADE
DRAWN BY	P.L.B.
CHECKED BY	M.E.W.

Sheet Name
GRADING AND DRAINAGE PLAN

Sheet No.
C1A
SHEET NO. ____ OF ____ SHEETS