

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

April 18, 2022

Ali Fakh, P.E.
Sustainability Engineering Group, LLC
8280 E. Gelding Drive, Suite 101
Scottsdale, AZ 85260

**RE: Whataburger
6100 Alameda Blvd NE
Grading Plan and Drainage Report
Engineer's Stamp Date: 04/18/22
Hydrology File: C18D068B**

Dear Mr. Fakh:

PO Box 1293

Based upon the information provided in your submittal received 04/05/2022, the Grading & Drainage Plan is approved for Building Permit and for action by the DRB on Site Plan 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.

Albuquerque

PRIOR TO CERTIFICATE OF OCCUPANCY:

NM 87103

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

www.cabq.gov

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, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

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

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

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

IS THIS A RESUBMITTAL? _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/TRANSPORTATION _____ HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ 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
- _____ 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: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

FINAL DRAINAGE REPORT

WHATABURGER

6100 ALAMEDA BLVD NE
ALBUQUERQUE, NM.

Prepared For:

CA Development, LLC
300 Concord Plaza
San Antonio, Texas 78216

Prepared by:



EXPIRATION DATE: 12-31-2022
SIGNATURE DATE: 03-29-2022

Sustainability Engineering Group

8280 E. Gelding Drive, Suite 101
Scottsdale, AZ 85260
480.588.7226 www.azSEG.com

Project Number: 210907

Submittal Date: March 29, 2022

<p>City of Albuquerque Planning Department Development Review Services HYDROLOGY SECTION APPROVED</p>	
DATE:	04/18/22
BY:	<i>Renée C. Brisette</i>
HydroTrans #	C18D068B
<small>THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTION, OR ERROR OR DIMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTIONS. SUCH APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.</small>	

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1. INTRODUCTION

This Drainage Report represents the storm water analysis for Whataburger at the SEC of Alameda Blvd. & San Pedro Ave., a restaurant proposed in Albuquerque, New Mexico. The purpose of this report is to provide the hydrologic and hydraulic analyses, required by the City of Albuquerque, to support the proposed site plan for said development. This report includes discussions and calculations defining the storm water management concepts for the collection and conveyance necessary to comply with the drainage requirements of the City of Albuquerque and Bernalillo County. Preparation of this report has been done in accordance with the requirements of the City of Albuquerque Development Process Manual.

2. LOCATION AND PROJECT DESCRIPTION

2.1 LOCATION:

The subject property's subdivision name is described as Lot-1A, Block 29, Tract A, Unit B North Albuquerque Arces, which consists of a parcel of land located in a portion of Section 13, Township 11 North, Range 3 East of Bernalillo County, New Mexico. Total net property area is 1.00 acres.

- Parcel ID: UPC: 101806428134810229
- Address: 6100 Alameda Blvd NE, Albuquerque, New Mexico.

Refer to **FIGURE 1 - Vicinity Map** for the project's location with respect to major cross streets.

2.2 EXISTING AND PROPOSED DEVELOPMENTS SURROUNDING THE SITE:

The site is bound as follows:

- South: M&A Automotive LLC, Southwest Rovers, Beca Automotive Specialists, Peter's Automobile Service; Zoning is NR-BP
- West: Across San Pedro Dr., Meineke Car Care Center, Kameyab Imports Inc; Zoning is MX-M
- North: Across Alameda Blvd., Reserve Apartments; Zoning is R-MH
- East: Tin Can Alley ABQ, Phở Kup, Nitro Fog Creamery & Squeezed Juice Bar, Michael Thomas Coffee Roaster; Zoning is NR-BP

2.3 EXISTING SITE DESCRIPTION:

The existing site is partially developed. The southern portion of the property includes a parking lot with landscape islands while the north area remains undeveloped with an existing drainage pond, dirt piles and storage container. Drainage structures, sewer and water lines, and dry utilities such as power, gas and electricity exist within the site. Lot elevation drop from 1,238' at the east property line to about 1,232' at the west property line.

Refer to **FIGURE 2** attached for an aerial of the site.

2.4 PROPOSED SITE DEVELOPMENT:

The project will consist in the demolition of most of the existing south parking lot and the construction of a fast food restaurant (2,999 sf) with a drive-thru, parking area, and designated landscape.

Refer to **Appendix III** for **Grading and Drainage Plan**.

2.5 FLOOD HAZARD ZONE:

FIRM Map Number 35001C0137H dated August 16, 2012 indicates this site is designated as Zone "X. As such, it is defined as areas determined to be outside of the 0.2% annual chance floodplain.

Refer to **FIGURE 3** for the FIRM.

3. EXISTING DRAINAGE CONDITIONS

3.1 OFF-SITE DRAINAGE PATTERNS:

North:

Half the street drainage from Alameda Blvd NE flows towards the site and is intercepted by existing curb and gutter within the right-of-way. Flows are then conveyed to three existing curb inlets (EX-CB-1, EX-CB-2 and EX-CB-3) located along Alameda Blvd NE off the property limits. The area between the existing public detached sidewalk and the curb line also drains towards these catch basins. As such, no off-site flows affect the site from this direction.

East:

The site borders the parking lot from restaurant development Tin Can Alley to the east. Per topographic information, on-site drainage area EX-3 discharges off-site into catch basin EX-CB-4. This catch basin also captures the run-off associated to a portion of the existing east parking lot. Therefore, no off-site flows affect the site from this direction.

West:

The property is bound by San Pedro Dr. NE to the west, where stormwater flows to the west side of the street and is conveyed north by the existing curb & gutter. All run-off from this direction is directed away from the site.

South:

A fence separates the site from the south's neighbor property. Obtained topographic information on this area is limited but indicates that the south property manages their run-off on-site.

As such, no off-site flows affect the site from this direction.

3.2 ON-SITE DRAINAGE:

The north undeveloped area of the property drains through overland flow from east to west (EX-1). These flows are stored in temporary retention basin, EX-BASIN-A, which also receives flows captured by EX-CB-5 via an 8" PVC storm drain that discharges into the basin. Total provided volume by this basin is 3,495 CF. The parking area at the south drains with similar drainage patterns, where run-off sheetflows through the asphalt pavement from east to west before being

captured by existing catch basin EX-CB-5 at the southwest corner of the property. EX-3 discharges off-site to EX-CB-4, the latter is connected to curb inlet EX-CB-3 at Alameda Blvd. by a storm drain pipe that runs across the property.

Refer to **Existing Conditions Drainage Area Map** in **Appendix II**.

4. PROPOSED STORM WATER MANAGEMENT

4.1 DESIGN INTENT:

On-site drainage will be handled within paved areas through overland flow, curb & gutter and catch basins. Existing temporary basin, EX-BASIN-A, will be filled and project flows will ultimately be directed to the existing public storm drain system in San Pedro Dr. NE.

Refer to **Grading and Drainage Plans** in **Appendix III**.

4.2 DESIGN STORM REQUIREMENTS:

The storm water system will be designed in accordance with City of Albuquerque Development Process Manual, Chapter 6: Drainage, Flood Control and Erosion Control.

4.3 LAND CHARACTERISTICS AND HYDROLOGIC ANALYSIS:

Per section 6-1(A) City of Albuquerque Development Process Manual, hydrologic calculations can be performed using a simplified procedure based on the Rational Method and initial abstraction/uniform infiltration precipitation losses. This procedure is considered valid for watersheds up to 40 acres and smaller, which is the case of the project's site.

Precipitation:

The subject property is located in Precipitation Zone 3 in Figure 6.1 of the manual, the general location is between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40. Precipitation depth and intensity values for this zone are as shown in Table 6.2. Refer to **Appendix II** for an excerpt of this table.

Land Treatments:

Land treatments within the site are classified as type C (CN=86) and D (CN=98) from Table 6.3 of the manual, referring to land with minimal vegetation/vacant lots and impervious areas respectively.

Abstractions:

The initial abstraction depth is the precipitation threshold that must be exceeded before direct run-off begins. Since most of the site consists of impervious surfaces, lower abstraction values are expected for the project area. As such, no abstraction values will be considered to achieve conservative results.

Infiltration:

No infiltration values will be considered for the hydrologic analysis due to the proposed project's land treatment (composed of mainly impervious surfaces) and the small size of the site (1.00 acre). This will also yield a conservative output in the expected peak flow calculations.

Peak Discharge Calculations:

Peak discharges for the site are computed following the peak discharges shown in Table 6.8 per Section 6-1(A)(5), multiplying each of the provided flows for each land treatment by the associated area within the project.

$$Q_P = Q_{PA}A_A + Q_{PB}A_B + Q_{PC}A_C + Q_{PD}A_D \dots$$

The total peak flow for each drainage area is the sum of all the individual peak flows per treatment land, the subject property was considered to have only C and D land treatments. Standard peak flows for the 100-year event are provided by the Development Process Manual summarized below:

Table 6.2.14 Peak Discharge		
100-year Peak Discharge (cfs/acre)		
Land Treatment	C	D
Zone 3	3.17	4.49

A summary of the peak flow calculations for the existing and proposed conditions is shown below for the 100-year storm event:

EXISTING PEAK FLOW CALCULATIONS					
AREA ID	Land Treatment C (Area)	Qc (cfs/ac)	Land Treatment D (Area)	Qd (cfs/ac)	Qp (cfs)
EX-1	0.43	3.17	0.00	4.49	1.36
EX-2	0.00	3.17	0.52	4.49	2.33
EX-3	0.00	3.17	0.05	4.49	0.23

PROPOSED PEAK FLOW CALCULATIONS					
AREA ID	Land Treatment C (Area)	Qc (cfs/ac)	Land Treatment D (Area)	Qd (cfs/ac)	Qp (cfs)
DA-1	0.10	3.17	0.20	4.49	1.20
DA-2	0.03	3.17	0.33	4.49	1.56
DA-3	0.04	3.17	0.17	4.49	0.91
DA-4	0.00	3.17	0.06	4.49	0.25
DA-B1	0.00	3.17	0.08	4.49	0.35

Refer to the **Proposed Condition Drainage Area Map and Calculations** in **Appendix II**.

4.4 DOWNSTREAM CAPACITY AND STORMWATER DISCHARGE

On-site flows will be ultimately directed to the existing 48" RCP public storm drain pipe in San Pedro Dr NE. Temporary retention basin EX-BASIN-A will be filled, re-routing its flows to the public storm drain via a new storm pipe system. Connection to the off-site public storm line has been already approved as shown in the plan *City Hydrology Section per Grading & Drainage Plan: Mixed Use Development at Alameda and San Pedro Lot 1-A*. An 8' storm manhole is proposed above the 48" public storm drain, connecting to a new public storm inlet located along San Pedro Dr NE's east curb and right next to the project's site. A private 18" will connect the public storm inlet with an on-site manhole to which the proposed on-site drains will discharge to.

Estimated peak flow by this approved plan to the public storm drain is 3.8 cfs. At proposed conditions, the estimated peak flow of the project towards this outfall includes drainage areas DA-1, DA-2, DA-3 and DA-B1 and totals 4.01 cfs for the 100-year event (as shown in section 4.3). This is a 0.21 cfs increase in comparison with the approved plan, however, the previous calculations by this plan considered less area draining towards this outfall. The current proposal shows less flows draining east of the property to EX-CB-4. Per the provided topographic information, all the existing storm drains ultimately connect at the intersection of San Pedro Dr NE. and Alameda Blvd NE, as such, the 0.21 cfs difference will be re-routed via EX-CB-4 but will ultimately drain to the same public storm drain system, for which downstream capacity has been already verified through the plan *City Hydrology Section per Grading & Drainage Plan: Mixed Use Development at Alameda and San Pedro Lot 1-A*. Therefore, there is no direct increase in the flows routed to the public system.

Refer to **Appendix IV** for *City Hydrology Section per Grading & Drainage Plan: Mixed Use Development at Alameda and San Pedro Lot 1-A*.

4.5 PIPE CAPACITY CALCULATIONS:

The proposed on-site drainage system consists of 18" pipes conveying run-off flows from proposed catch basins to the manhole directing flows to the off-site storm drains. Full flow capacity of the proposed drain with the least slope was verified in Flowmaster: a 18" pipe at 0.50% has a maximum Q of 7.43 cfs at full flow capacity. Since this maximum flow exceeds the maximum peak discharge of the project site, the proposed 18" pipes can adequately drain the 100-yr storm event.

Refer to **Appendix II** for **Pipe Capacity Calculations and Hydraulic Grade Profiles**

4.6 STORM DRAIN INLET CALCULATIONS

Nyloplast 2'x2' catch basins are proposed in the parking lot areas and drive-thru to capture on-site storm run-off. A Nyloplast 2'x2' catch basin can convey a flow of 3.30 cfs, while considering a clogging factor of 0.50. The proposed catch basin inlets can adequately convey runoff for the 100-year event, $Q_{10} = 1.56$ cfs (DA-2).

5. FLOOD SAFETY

5.1 FINISHED FLOOR ELEVATIONS

Despite the project being outside a flood zone, the proposed finished floor elevation is set at least one foot above the lot ultimate outfall.

6. CONCLUSIONS

6.1 OVERALL PROJECT:

1. The finish floor elevations will be designed a minimum of 12" above the lot outfall.
2. Downstream capacity of the public system is adequate to convey the project discharges.
3. Storm inlets have sufficient capacity to capture expected project peak flows for the 100-year storm event.

6.2 PROJECT PHASING:

This project will be constructed in a single phase.

7. REFERENCES

1. City of Albuquerque Development Process Manual, *Chapter 6: Drainage, Flood Control And Erosion Control*; Dated July 2018.

DEVELOPER
 WHATABRANDS REAL ESTATE
 CONTACT: CINDY ESPINOZA
 300 CONCORD PLAZA DRIVE
 SAN ANTONIO, TX 78216
 PHONE: 210-476-6180
 EMAIL: CESPINOZA@WBHQ.COM

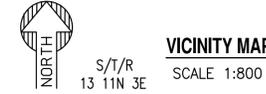
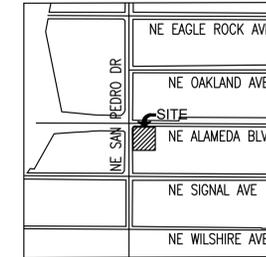
CIVIL ENGINEER
 SUSTAINABILITY ENGINEERING GROUP
 8280 E. GELDING DR, SUITE 101
 SCOTTSDALE, ARIZONA 85260
 PHONE: 480-237-2507
 ATTN: ALI FAKIH

OWNER
 GREEN JEANS WEST, LLC
 2929 MONTE VISTA NE
 ALBUQUERQUE, NM 87106

WHATABURGER

GRADING AND DRAINAGE PLAN

6100 ALAMEDA BLVD NE, ALBUQUERQUE, NM
 A PORTION OF SECTION 13, TOWNSHIP 11 NORTH, RANGE 3 EAST
 BERNALILLO COUNTY, NEW MEXICO.



EXPIRATION DATE: 12-31-2022
 SIGNATURE DATE: 04-18-2022

SUSTAINABILITY ENGINEERING GROUP



PROJECT
 WHATABURGER NM
 SEC ALAMEDA BLVD NE
 & SAN PEDRO AVE NE

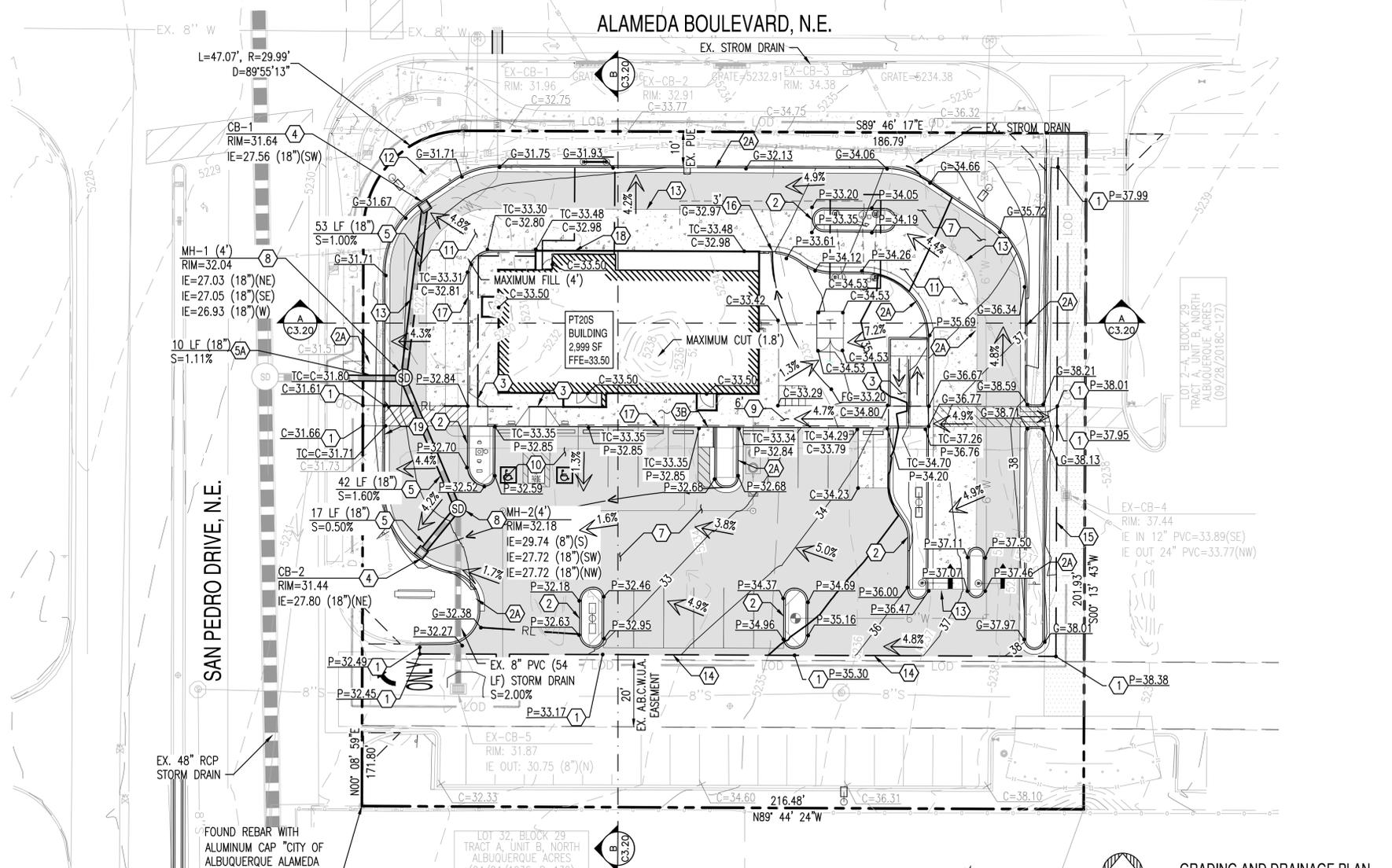
LOCATION
 6100 ALAMEDA BLVD NE
 ALBUQUERQUE, NM

DATE: 04/18/2022
ISSUED FOR: DRB

REVISION NO.	DATE

JOB NO.: 210907
SHEET TITLE: GRADING AND DRAINAGE PLAN

PAGE NO.: 1 OF 5
SHEET NO.: C3.00



EXISTING LEGEND:

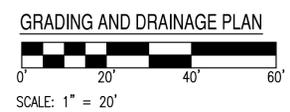
- XXXX --- EX. MAJOR CONTOURS
- XXXX --- EX. MINOR CONTOURS
- TC: XX.XX
GE: XX.XX EX. SPOT ELEVATION
- - - - - EASEMENT LINE AS NOTED
- EX. S SEWER LINE
- EX. W WATER LINE
- EX. WV WATER VALVE
- EX. FH FIRE HYDRANT
- EX. S SEWER MANHOLE
- EX. W WATER MANHOLE
- EX. G GAS LINE
- EX. F FENCE
- EX. SD STORM DRAIN LINE
- EX. CB STORM CATCH BASIN
- EX. SM STORM MANHOLE
- EX. GL GAS LINE
- EX. F FENCE
- EX. SIGN
- EX. SL STREET LIGHT
- EX. T TREE
- EX. RCL ROAD CENTERLINE

PROPOSED GRADING LEGEND:

- G=XX.XX GUTTER ELEVATION, TC = G+0.5'
- P=XX.XX PAVEMENT ELEVATION
- C=XX.XX CONCRETE ELEVATION
- PROPERTY LINE
- CURB AND GUTTER
- VERTICAL CURB
- RL RIDGELINE
- LOC LIMIT OF ONSITE CONSTRUCTION
- FLOW ARROW
- CATCH BASIN
- STORM PIPE
- SD STORM MANHOLE
- WM WATER METER
- GV GATE VALVE
- FH FIRE HYDRANT
- CONCRETE PAVEMENT
- HEAVY DUTY PAVEMENT
- STORM INLET

MONUMENT "10_C18"
 STANDARD C.O.A. ALUMINUM DISC
 (FOUND IN PLACE)
 NEW MEXICO STATE PLANE COORDINATES
 (CENTRAL ZONE--N.A.D. 1983)
 N=1,524,123.885 US SURVEY FEET
 E=1,542,565.263 US SURVEY FEET
 PUBLISHED EL=5222.09 US SURVEY FEET
 (NAVD 1988)
 GROUND TO GRID FACTOR=0.999665042
 DELTA ALPHA ANGLE=-0°11'19.42"

A.G.R.S. MONUMENT "9_C18"
 STANDARD C.O.A. ALUMINUM DISC
 (FOUND IN PLACE)
 NEW MEXICO STATE PLANE COORDINATES
 (CENTRAL ZONE--N.A.D. 1983)
 N=1,521,497.624 US SURVEY FEET
 E=1,542,501.428 US SURVEY FEET
 PUBLISHED EL=5232.47 US SURVEY FEET
 (NAVD 1988)
 GROUND TO GRID FACTOR=0.999664563
 DELTA ALPHA ANGLE=-0°11'19.69"



GRADING CONSTRUCTION KEY NOTES

- MATCH EXISTING GRADE; CONTRACTOR TO VERIFY IN FIELD ALL GRADES PRIOR TO CONSTRUCTION ACTIVITIES AND CONTACT ENGINEER IN CASE OF ANY DISCREPANCIES.
- CONSTRUCT 6" HEADER CURB PER COA STD. DET. 2415C
- CONSTRUCT 6" VERTICAL CURB AND GUTTER PER COA STD DWG 2415-A.
- CONSTRUCT ADA RAMP. PER SITE PLANS.
- CONSTRUCT DELIVERY RAMP PER DET. 2/C3.10.
- FURNISH AND INSTALL NYLOPLAST DRAIN BASIN WITH 30" RISER AND 2'X3' STEEL GRATE PER DET. 14/C3.20
- FURNISH AND INSTALL HDPE DOUBLE WALL PIPE, CLASS 100; LENGTH, SIZE AND SLOPE PER PLAN.
- FURNISH AND INSTALL REINFORCED CLASS III CONCRETE PIPE, LENGTH, SIZE AND SLOPE PER PLAN.
- FURNISH AND INSTALL 30" NYLOPLAST DRAIN BASIN WITH SOLID LID. PER DET. 13/C3.12.
- CONSTRUCT HEAVY DUTY PAVEMENT PER DETAIL 5/C3.10.
- FURNISH AND INSTALL 4' MANHOLE PER COA DETAIL 2208.
- CONSTRUCT CONCRETE SIDEWALK PER COA STD DWG 2430. WIDTH PER PLAN.
- CONSTRUCT PAVEMENT WITH 2% MAXIMUM SLOPE IN ANY DIRECTION AT ACCESSIBLE PARKING STALLS AND 2% MAXIMUM CROSS SLOPE AT ADA ACCESSIBLE ROUTE.
- CONSTRUCT CONCRETE PAVEMENT PER DETAIL 6/C3.10.
- CAUTION! PROTECT EXISTING GAS AND POWER UTILITIES.
- PAVING TRANSITION PER DET. 7/C3.10.
- TRANSITION TO EXISTING PAVEMENT PER DET. 1/C3.10.
- SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT.
- CONSTRUCT 3' CURB OPENING. PER DET. 3/C3.10.
- TURN DOWN SIDEWALK. PER DET. 9/C3.10.
- TURN DOWN SIDEWALK. PER DET. 16/C3.11.
- 5' CURB TRANSITION FROM 6" TO 0" REVEAL.

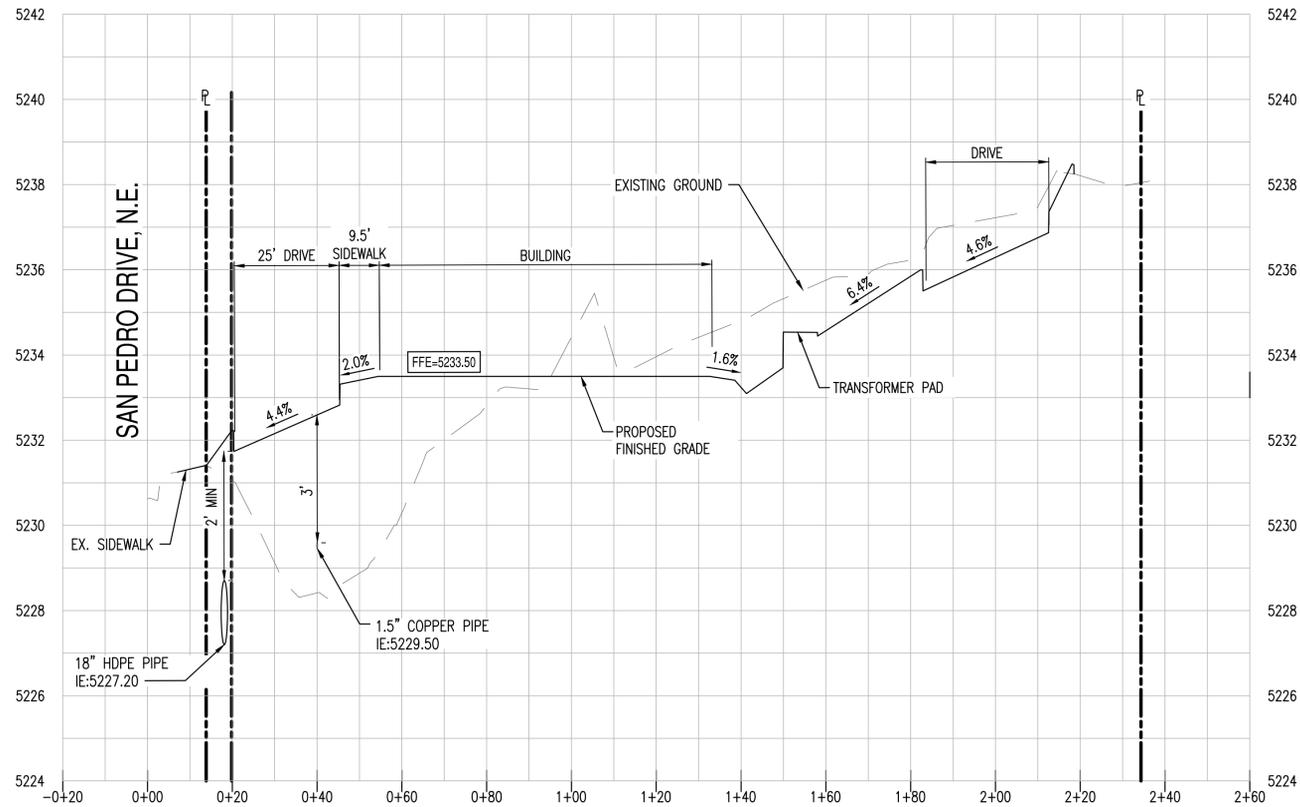
EXISTING CONDITIONS AND PROPOSED DEVELOPMENT:
 THE EXISTING SITE IS PARTIALLY DEVELOPED. THE SOUTHERN PORTION OF THE PROPERTY INCLUDES A PARKING LOT WITH LANDSCAPE ISLANDS WHILE THE NORTH AREA REMAINS UNDEVELOPED WITH AN EXISTING DRAINAGE POND, DIRT PILES AND STORAGE CONTAINER. DRAINAGE STRUCTURES, SEWER AND WATER LINES, AND DRY UTILITIES SUCH AS POWER, GAS AND ELECTRICITY EXIST WITHIN THE SITE. LOT ELEVATION DROP FROM 1,238' AT THE EAST PROPERTY LINE TO ABOUT 1,232' AT THE WEST PROPERTY LINE.

THE PROJECT WILL CONSIST IN THE DEMOLITION OF MOST OF THE EXISTING SOUTH PARKING LOT AND THE CONSTRUCTION OF A FAST FOOD RESTAURANT (2,999 SF) WITH A DRIVE-THRU, PARKING AREA, AND DESIGNATED LANDSCAPE.

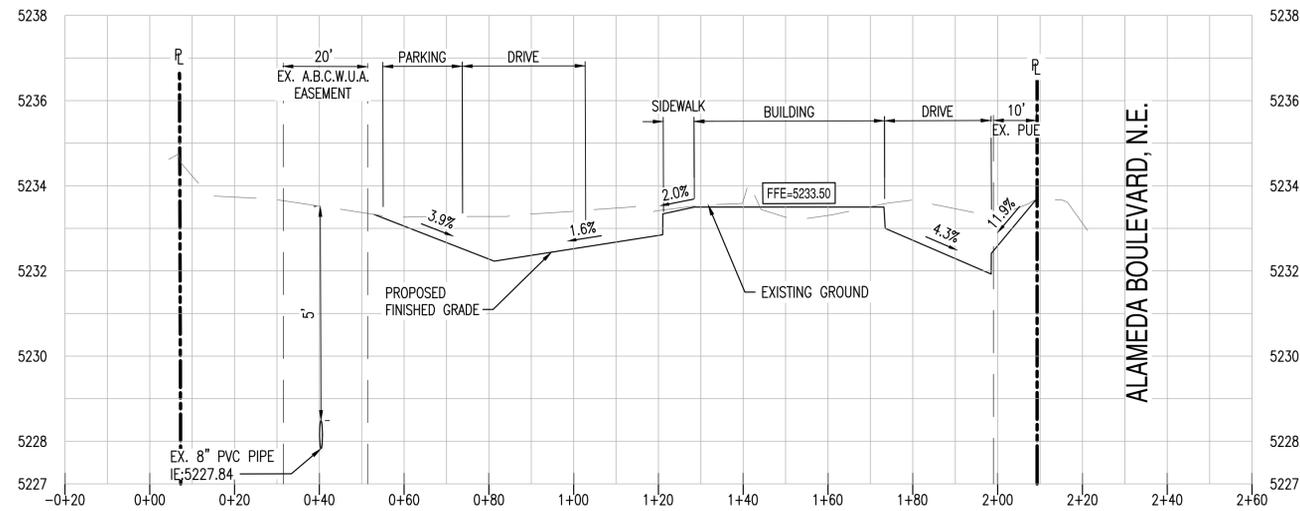
PRIVATE DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY NOTICE TO CONTRACTOR (SPECIAL ORDER 19 ~ "S0-19")

- BUILD SIDEWALK CULVERT PER COA STD DWG 2236. WORK IS PERMITTED AND INSPECTED BY DMD CONSTRUCTION SERVICES DIVISION.
- AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL, DIAL "811" [OR (505) 260-1990] FOR THE LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE 95%.
- MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
- WORK ON ARTERIAL STREETS MAY BE REQUIRED ON A 24-HOUR BASIS.
- FOR EXCAVATION AND BARRICADING INSPECTIONS, CONTACT DMD CONSTRUCTION SERVICES DIVISION.

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SECTION A-A C3.00
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'



SECTION B-B C3.00
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'



City of Albuquerque
 Planning Department
 Development Review Services
HYDROLOGY SECTION
APPROVED
 DATE: 04/18/22
 BY: Renee C. Brunelle
 HydroTrans # C18D068B



PROJECT WHATABURGER NM SEC ALAMEDA BLVD NE & SAN PEDRO AVE NE	LOCATION 6100 ALAMEDA BLVD NE ALBUQUERQUE, NM
DRAWN: GA 01/27/2022	DESIGNED: LP 01/27/2022
QC: AF 03/23/2022	FINAL QC: SO 03/25/2022
PROJ. MGR: AF 04/18/2022	

DATE: 04/18/2022
 ISSUED FOR: DRB

REVISION NO.	DATE
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JOB NO.: 210907

SHEET TITLE: **SITE CROSS SECTIONS**

PAGE NO.: 5 OF 5
 SHEET NO.: **C3.20**

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