# CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



October 1, 2021

David Soule, P.E. Rio Grande Engineering P.O. Box 93924 Albuquerque, NM 87199

RE: Burger King – Carlisle Market Place 2110 Carlisle Blvd. NE

Grading and Drainage Plan Engineer's Stamp Date: 08/03/21 Hydrology File: H17D097A

Dear Mr. Soule:

PO Box 1293 Based upon the information provided in your submittal received 08/03/2021, the Grading &

Drainage Plan is approved for Building Permit.

Albuquerque 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 approval in support of Permanent Release of Occupancy

by Hydrology, Engineer Certification per the DPM checklist will be required.

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.

rbrissette@cabq.gov.

Renée C. Brissette

www.cabq.gov

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

Planning Department



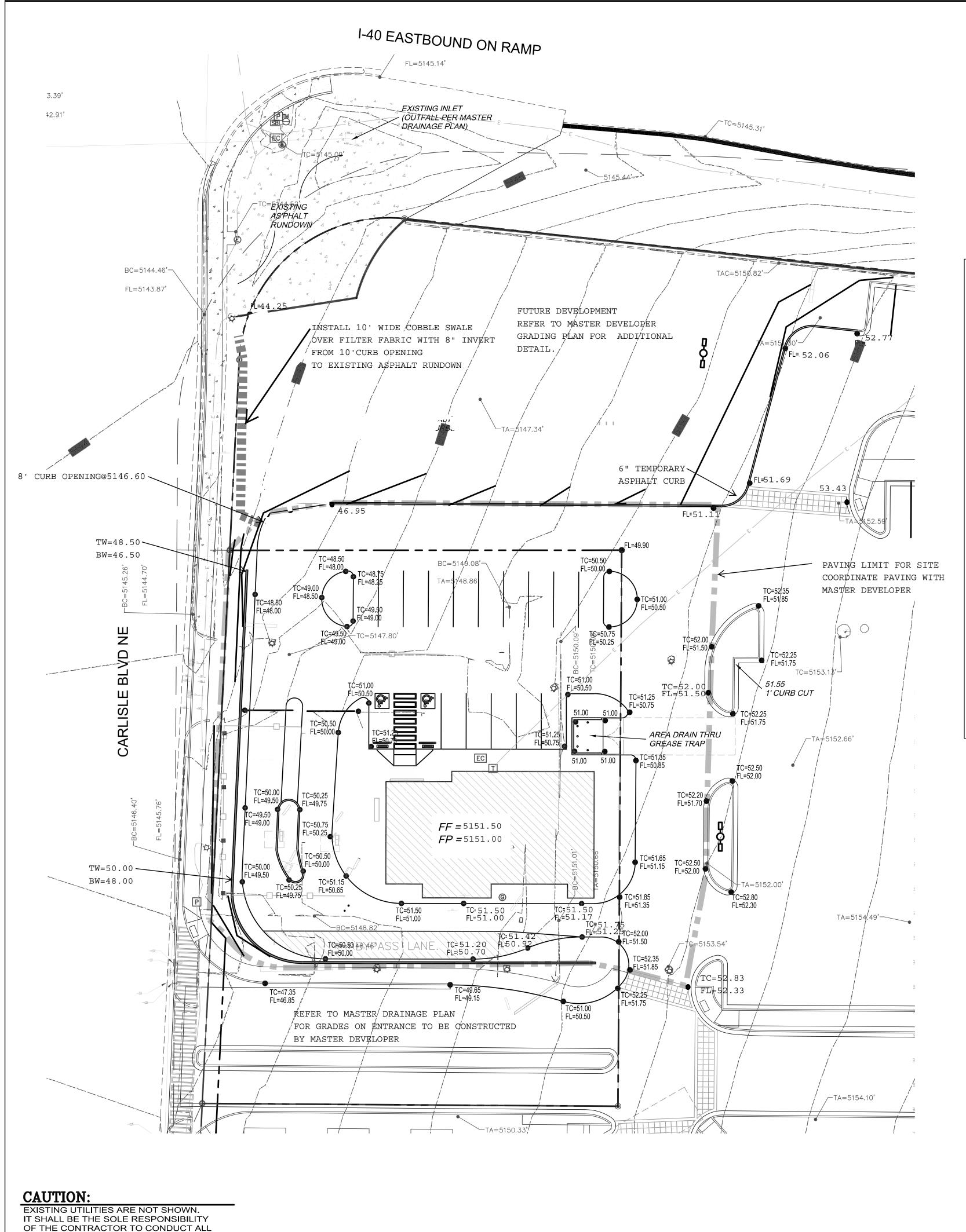
# City of Albuquerque

### Planning Department

### Development & Building Services Division

### DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: BURGER KING  DRB#:  Legal Description: TRACT B-1 CARI	Building Permit #:	Hydrology File #:
DRB#:	EPC#:	Work Order#:
Legal Description: TRACT B-1 CARI	ISLE AND INDIAN SCHOOL	SUBDIVISION
City Address: 2110 CARLISLE NE	-11-1	
Applicant: TOM MCCULLUM		Contact:
Address:		
Phone#:		E-mail:
Other Contact: RIO GRANDE ENGINE	ERING	Contact: DAVID SOULE
Address: PO BOX 93924 ALB NM	87199	
Phone#: 505.321.9099	W4	E-mail: david@riograndeengineering.com
TYPE OF DEVELOPMENT: PLAT		
Check all that Apply:		
DEPARTMENT:  X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION  TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION	X BUILDING PER CERTIFICATE (	OF OCCUPANCY
PAD CERTIFICATION	<del></del>	R SUB'D APPROVAL
CONCEPTUAL G & D PLAN		R BLDG. PERMIT APPROVAL
X GRADING PLAN	FINAL PLAT A	PPROVAL
DRAINAGE REPORT		
DRAINAGE MASTER PLAN		OF FINANCIAL GUARANTEE
FLOODPLAIN DEVELOPMENT PERMIT A ELEVATION CERTIFICATE	PPLIC FOUNDATION . GRADING PER	PERMIT APPROVAL
CLOMR/LOMR	SO-19 APPROV	
TRAFFIC CIRCULATION LAYOUT (TCL)	<del></del>	
TRAFFIC IMPACT STUDY (TIS)		CERTIFICATION
STREET LIGHT LAYOUT	WORK ORDER A	APPROVAL
OTHER (SPECIFY)	CLOMR/LOMR	
PRE-DESIGN MEETING?		DEVELOPMENT PERMIT
IS THIS A RESUBMITTAL?: YesX No	OTHER (SPECI	FY)
DATE SUBMITTED:	By:	
COA STAFF:	ELECTRONIC SUBMITTAL RECEIVED:	



NECESSARY FIELD INVESTIGATIONS PRIOR

TO ANY EXCAVATION TO DETERMINE THE

**ACTUAL LOCATION OF UTILITIES & OTHER** 

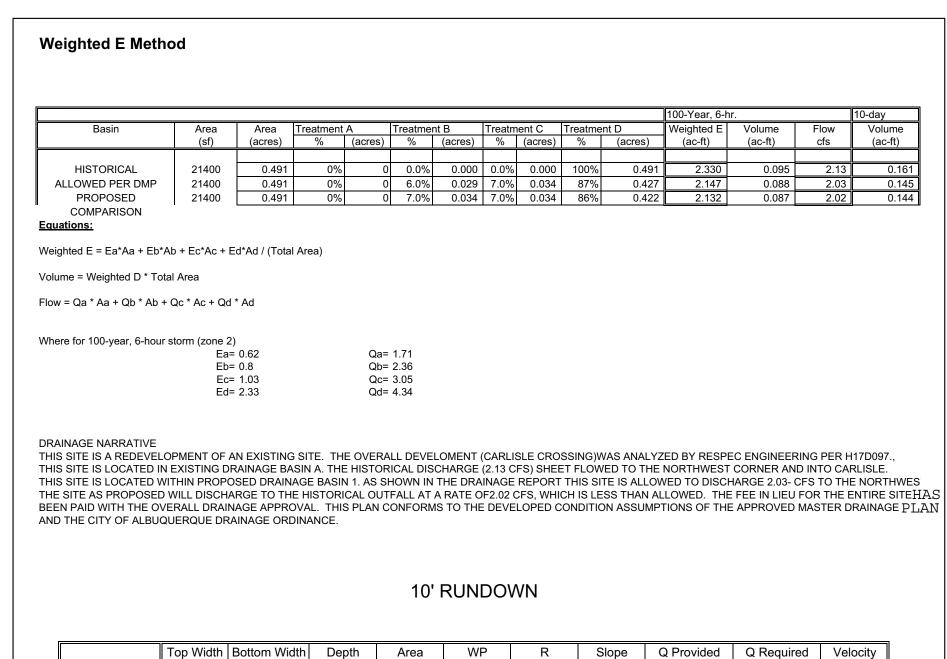
IMPROVEMENTS.

# **EROSION CONTROL NOTES:**

- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO **EXISTING RIGHT-OF-WAY.**
- 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

(%) (cfs)

### DRAINAGE NARRATIVE AND CALCULATIONS



(ft) (ft^2) (ft)

Manning's Equation:

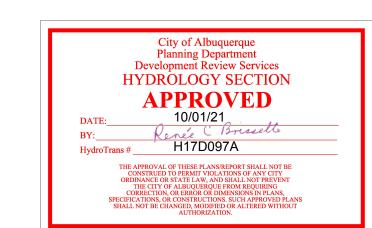
 $Q = 1.49/n * A * R^{(2/3)} * S^{(1/2)}$ 

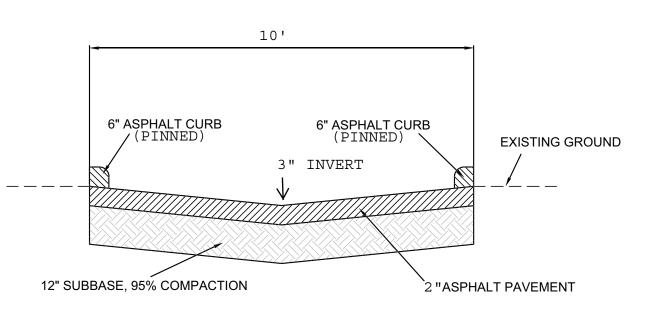
A = Area

R = D/4

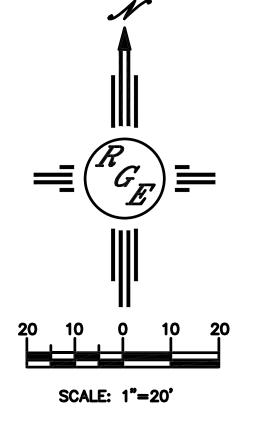
S = Slope n = 0.02

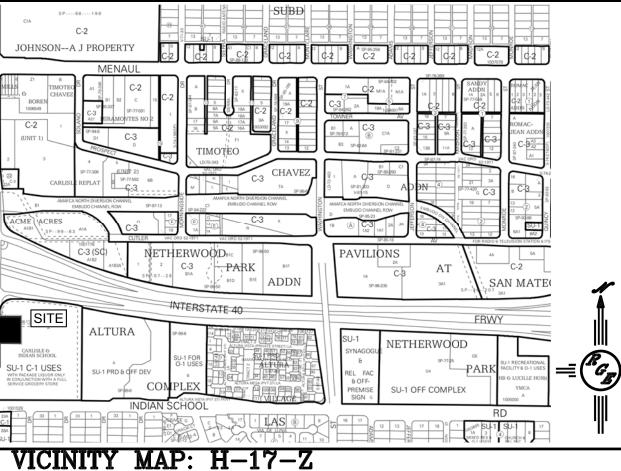
10 | 10 | 1 | 10.00 | 12.00 | 0.8333333 | 2.8 | 110.39 | 9.24





10' WIDE TEMPORARY ASPHALT SWALE





Effective LOMRs

# National Flood Hazard Layer FIRMette

# **LEGAL DESCRIPTION:**

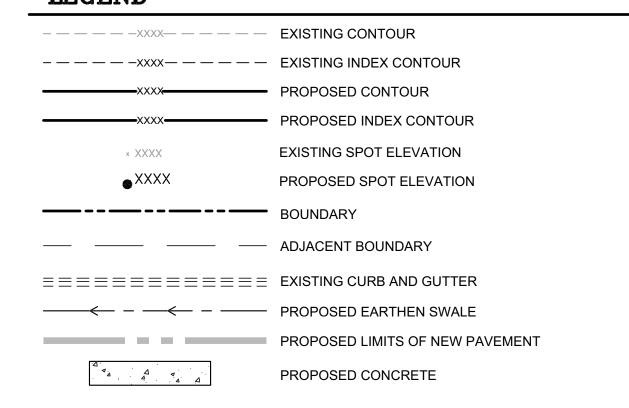
REMAINING PORTIONS OF TRACTS A AND B CARLISLE & INDIAN SCHOOL SUBDIVISION CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

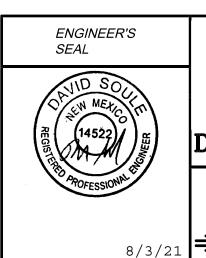
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

2,000
Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

- 2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- 3. ANY PERIMETER WALLS MUST BE PERMITED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- 4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- 5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

# **LEGEND**





DAVID SOULE

P.E. #14522

TRACT B-1 AND PORTIO OF A-1 CARLISLE AND INDIAN SCHOOL SUBD. BURGER KING-2110 CARLISLE

DRAINAGE PLAN

Rio Grande

DRAWN

 $^{BY}$  DEM

DATE

8-1-21

2100 Carlisle Blvd (Burger King) .dwg

SHEET#

C1 Ingineering PO BOX 93924 ALBUQUERQUE, NM 87199 JOB# (505) 321-9099