

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

May 1, 2023

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

RE: Burger King – Carlisle Market Place
2110 Carlisle Blvd. NE
Permanent C.O. – Accepted
Engineer's Certification Date: 04/25/23
Engineer's Stamp Date: 08/03/21
Hydrology File: H17D097A

Dear Mr. Soule:

PO Box 1293

Based on the Certification received 04/28/2023 and site visit on 04/28/2023, this letter serves as a “green tag” from Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

NM 87103

Sincerely,

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

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

Legal Description: TRACT B-1 CARLISLE AND INDIAN SCHOOL SUBDIVISION

City Address: 2110 CARLISLE NE

Applicant: TOM MCCULLUM **Contact:** _____

Address: _____

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

Other Contact: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE

Address: PO BOX 93924 ALB NM 87199

Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

TYPE OF DEVELOPMENT: PLAT RESIDENCE DRB SITE X ADMIN SITE

Check all that Apply:

DEPARTMENT:

 X HYDROLOGY/ DRAINAGE
 TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

 X ENGINEER/ARCHITECT CERTIFICATION
 PAD CERTIFICATION
 CONCEPTUAL G & D PLAN
 GRADING PLAN
 DRAINAGE REPORT
 DRAINAGE MASTER PLAN
 FLOODPLAIN DEVELOPMENT PERMIT APPLIC
 ELEVATION CERTIFICATE
 CLOMR/LOMR
 TRAFFIC CIRCULATION LAYOUT (TCL)
 TRAFFIC IMPACT STUDY (TIS)
 STREET LIGHT LAYOUT
 OTHER (SPECIFY) _____
 PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: X Yes No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

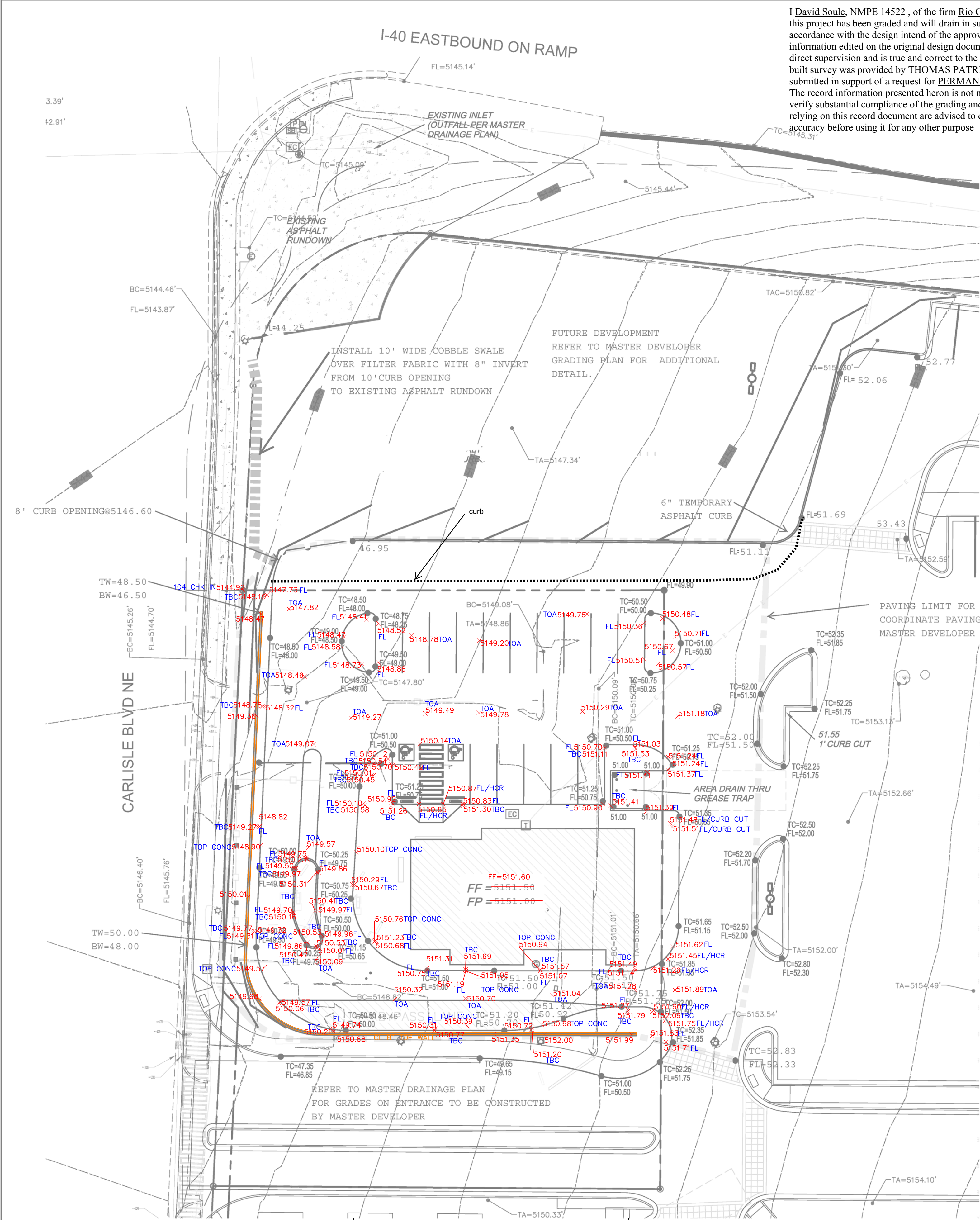
 BUILDING PERMIT APPROVAL
 X CERTIFICATE OF OCCUPANCY
 PRELIMINARY PLAT APPROVAL
 SITE PLAN FOR SUB'D APPROVAL
 SITE PLAN FOR BLDG. PERMIT APPROVAL
 FINAL PLAT APPROVAL
 SIA/ RELEASE OF FINANCIAL GUARANTEE
 FOUNDATION PERMIT APPROVAL
 GRADING PERMIT APPROVAL
 SO-19 APPROVAL
 PAVING PERMIT APPROVAL
 GRADING/ PAD CERTIFICATION
 WORK ORDER APPROVAL
 CLOMR/LOMR
 FLOODPLAIN DEVELOPMENT PERMIT
 OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

Asbuilt
BURGER KING
2110 CARLISLE

DATE 04/20/23
CREW LRC
DRAFTING SLN
GPS NINO
JN N966-01

Community Sciences Corporation
Land Surveying
(505) 897.0000

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 8/3/21. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by THOMAS PATRICK NMPS 12651. The certification is submitted in support of a request for PERMANENT CERTIFICATE OF OCCUPANCY. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose



4/25/23

Drainage Narrative and Calculations

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				100-Year 6-hr.		10-day	
			A	B	C	D	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
HISTORICAL	21400	0.491	0%	0%	0.009	0.0%	0.491	2.330	0.095	2.13
ALLOWED PER DMP	21400	0.491	0%	0%	6.0%	0.029	0.427	2.147	0.088	2.03
PROPOSED COMPARISON	21400	0.491	0%	0%	7.0%	0.034	0.422	2.132	0.087	2.02

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

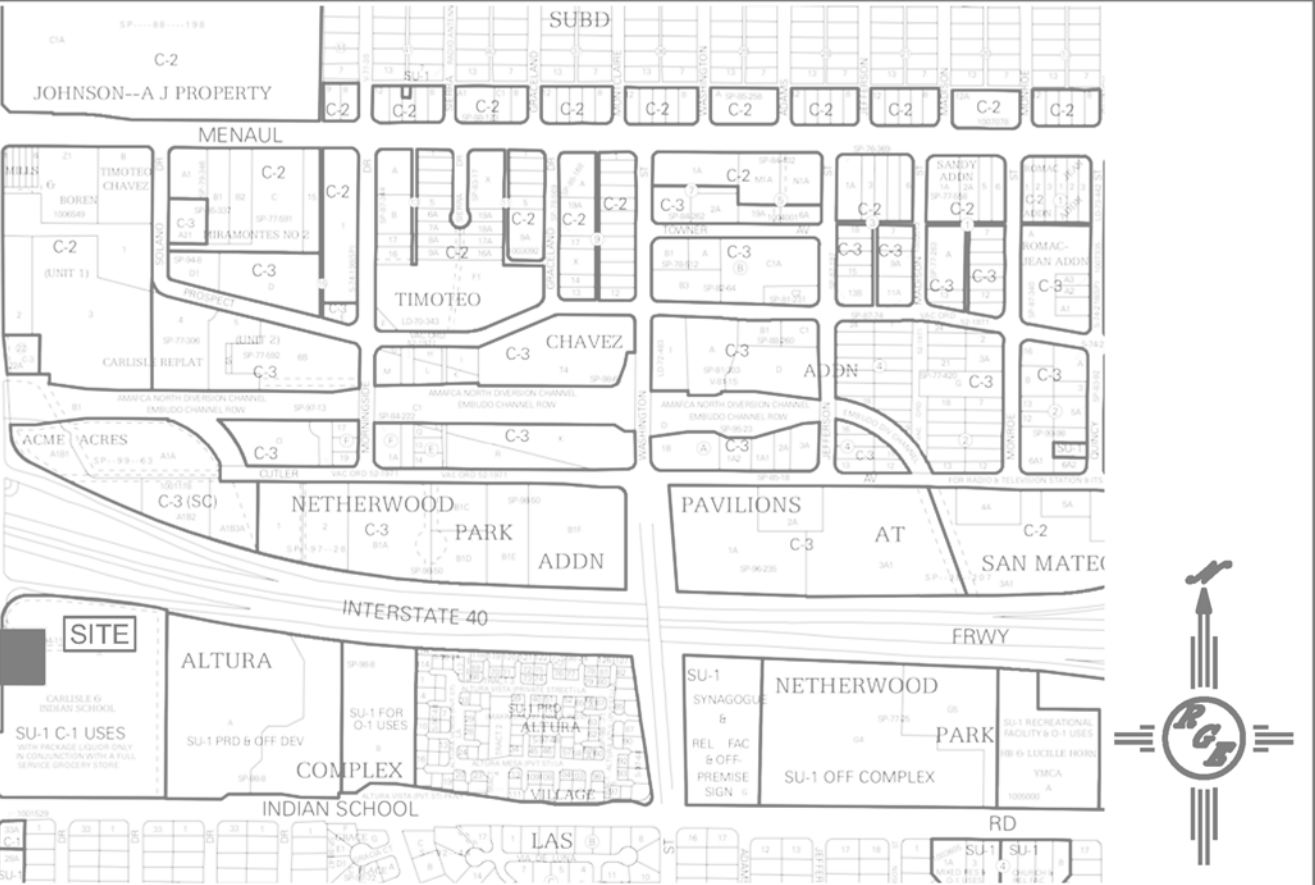
Where for 100-year, 6-hour storm (zone 2)	Ea= 0.62	Qa= 1.71
	Eb= 0.8	Qb= 2.36
	Ec= 1.03	Qc= 3.05
	Ed= 2.33	Qd= 4.34

Drainage Narrative

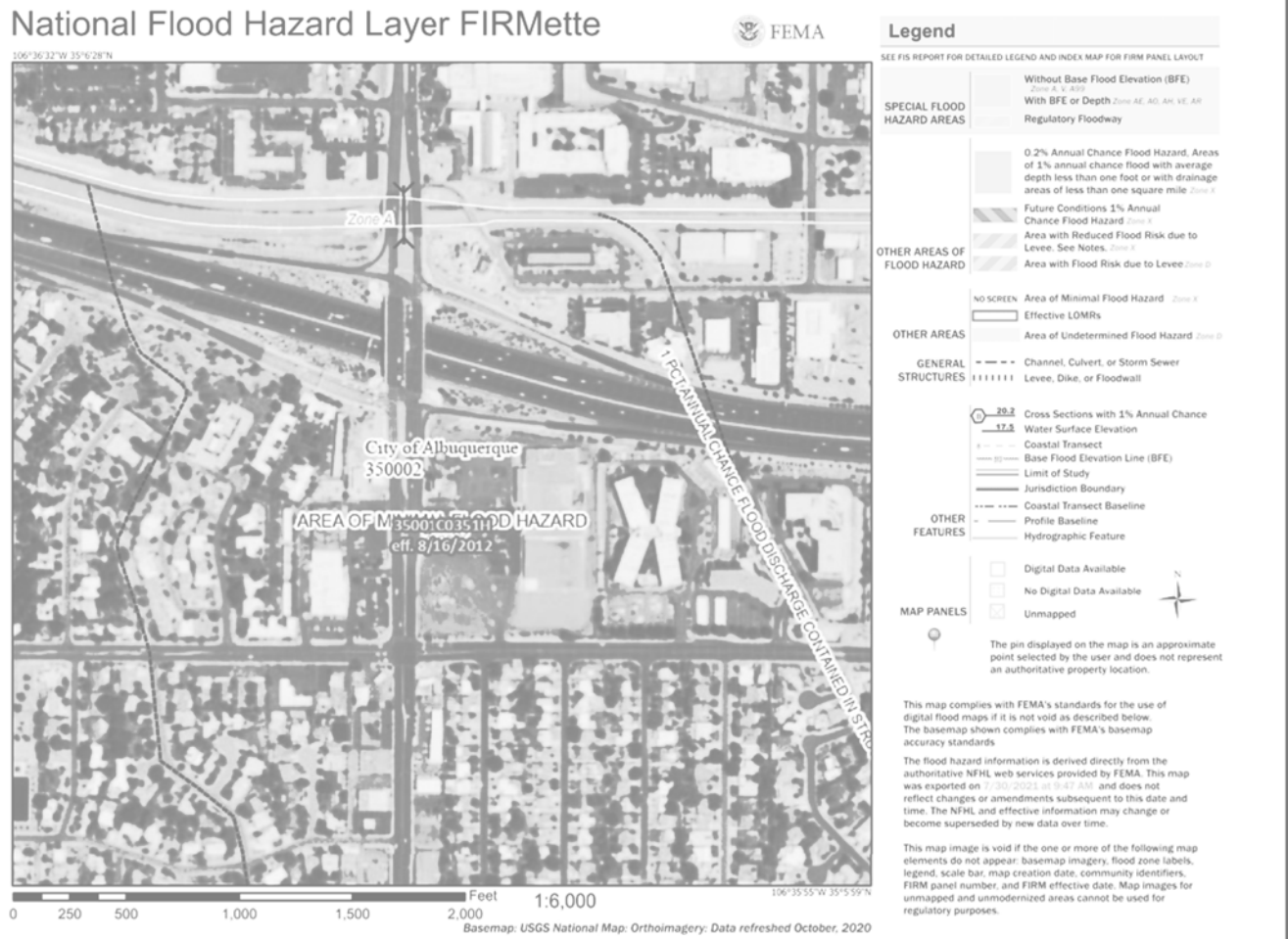
THIS SITE IS A REDEVELOPMENT OF AN EXISTING SITE. THE OVERALL DEVELOPMENT (CARLISLE CROSSING) WAS ANALYZED BY RESPEC ENGINEERING PER H17D097. THIS SITE IS LOCATED IN EXISTING DRAINAGE BASIN A. THE HISTORICAL DISCHARGE (2.13 CFS) SHEET FLOWED TO THE NORTHWEST CORNER AND INTO CARLISLE. THIS SITE IS LOCATED WITHIN PROPOSED DRAINAGE BASIN 1. AS SHOWN IN THE DRAINAGE REPORT THIS SITE IS ALLOWED TO DISCHARGE 2.03- CFS TO THE NORTHWES. THE SITE AS PROPOSED WILL DISCHARGE TO THE HISTORICAL OUTFALL AT A RATE OF 2.02 CFS, WHICH IS LESS THAN ALLOWED. THE FEE IN LIEU FOR THE ENTIRE SITE HAS BEEN PAID WITH THE OVERALL DRAINAGE APPROVAL. THIS PLAN CONFORMS TO THE DEVELOPED CONDITION ASSUMPTIONS OF THE APPROVED MASTER DRAINAGE PLAN AND THE CITY OF ALBUQUERQUE DRAINAGE ORDINANCE.

EROSION CONTROL NOTES:

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



VICINITY MAP: H-17-Z



FIRM MAP:

LEGAL DESCRIPTION:

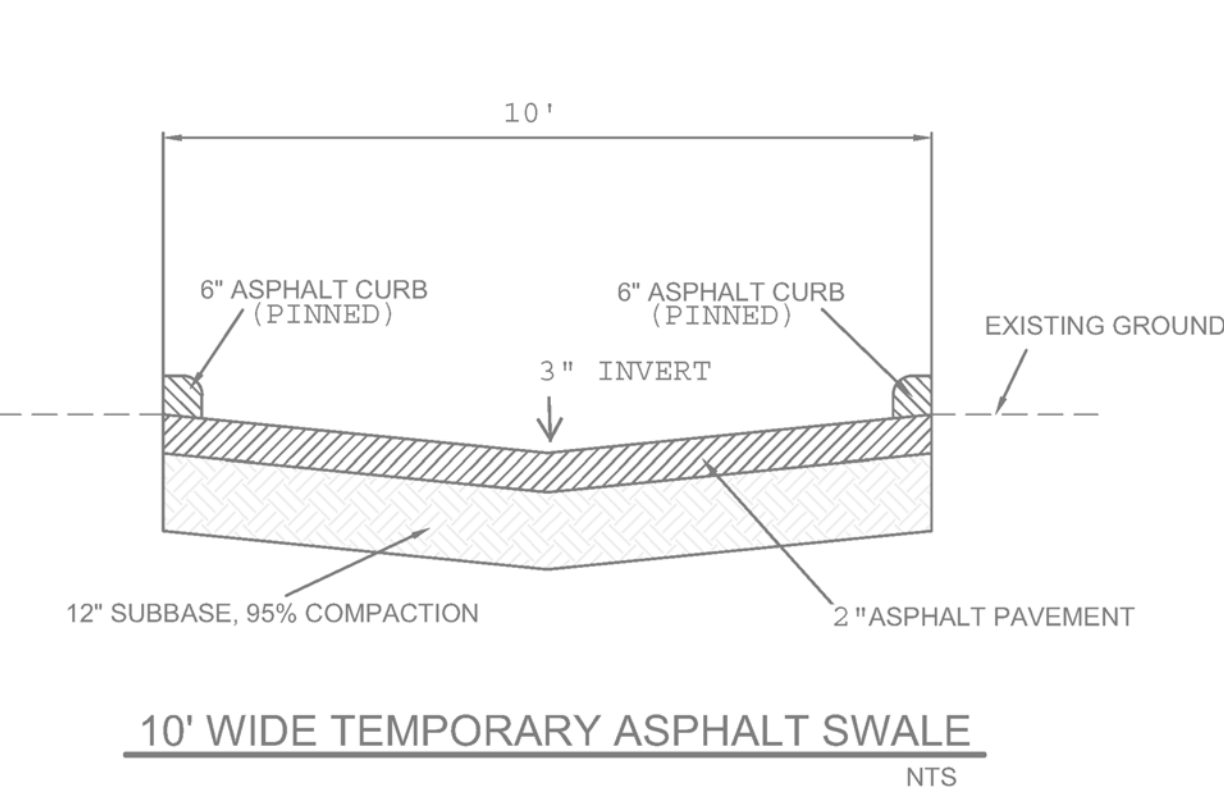
REMAINING PORTIONS OF TRACTS A AND B CARLISLE & INDIAN SCHOOL SUBDIVISION CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

LEGEND

- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- BOUNDARY
- ADJACENT BOUNDARY
- EXISTING CURB AND GUTTER
- PROPOSED EARTHEN SWALE
- PROPOSED LIMITS OF NEW PAVEMENT
- PROPOSED CONCRETE



ENGINEER'S SEAL

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 Engineering
PO BOX 93924
ALBUQUERQUE, NM 87199
(505) 321-9099

DRAWN BY DEM
DATE 8-1-21
2100 Carlisle Blvd (Burger King).dwg
SHEET # C1
JOB #