

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment A %	Treatment B %	Treatment C %	Treatment D %	100-Year 6-hr Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
EXISTING	2238	0.513	0%	0.0%	0.000	13.0%	0.06664	0.7%	3.38
PROPOSED	2238	0.513	0%	0.0%	0.000	13.0%	0.09739	0.1%	4.12

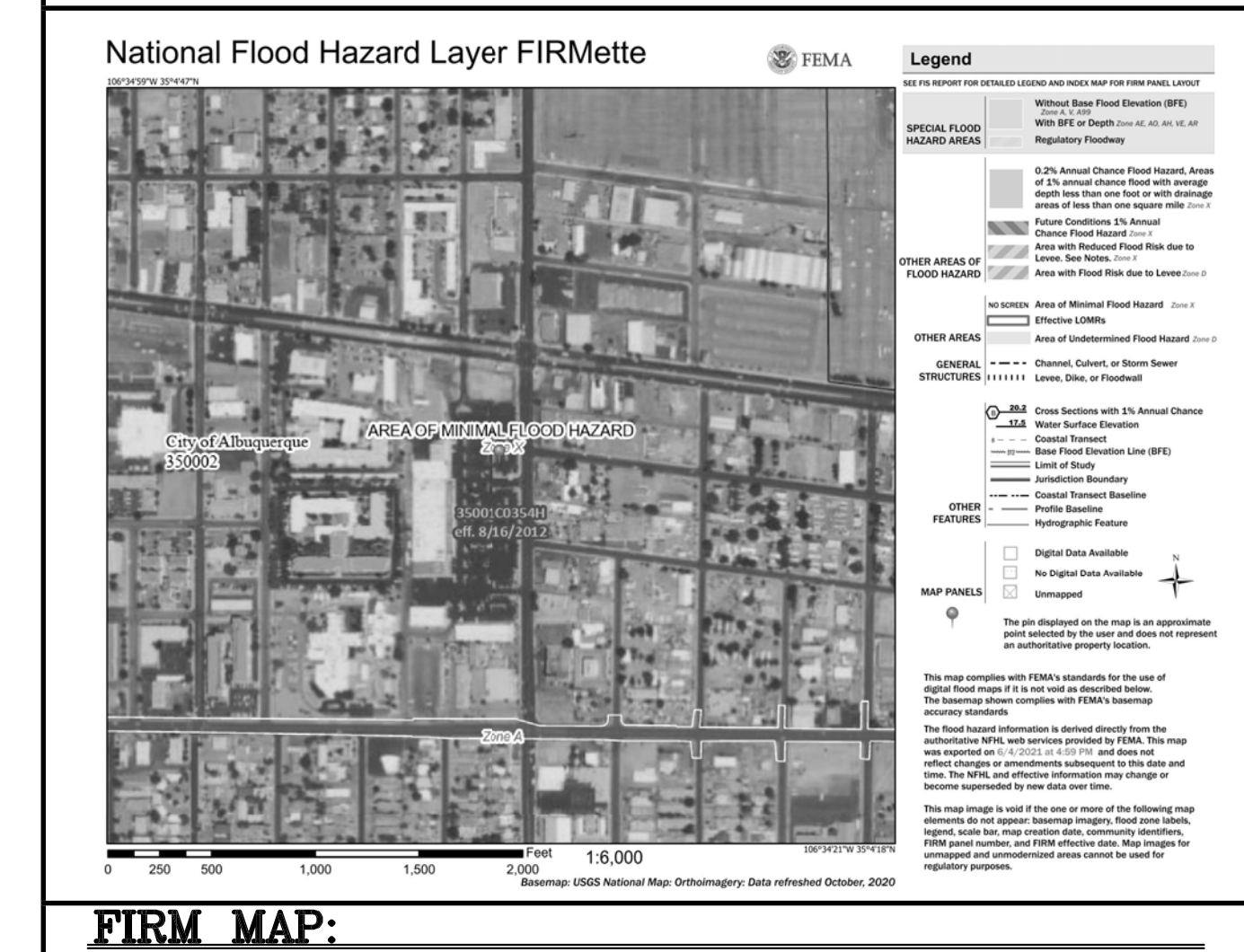
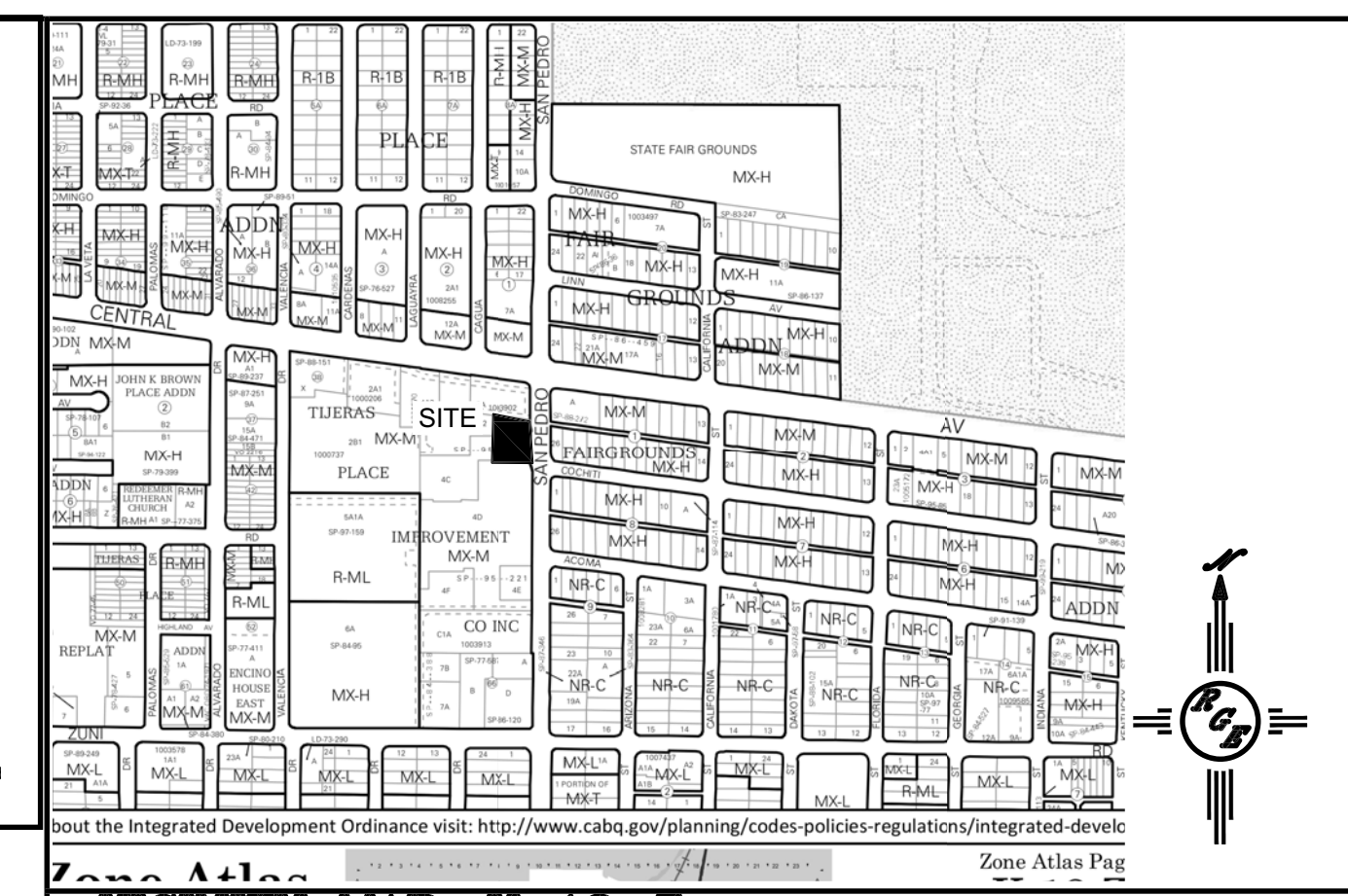
$E_a = 0.67$
 $E_b = 0.86$
 $E_c = 1.09$
 $E_d = 2.58$

$Q_a = 1.54$
 $Q_b = 2.16$
 $Q_c = 2.87$
 $Q_d = 4.12$

DISCHARGE PROPOSED: 1.99 CFS
 EXISTING DISCHARGE: 2.03 CFS
 FIRST FLUSH REQUIREMENT: 422.00 CF
 FIRST FLUSH RETAINED: 1220.00 CF

$Q = 4.15X \ 43560' \ 2812'$

Narrative:
 This project is a redevelopment of and existing fully paved parking lot. The existing paving shall be demolished. The proposed development is a single drive thru restaurant within existing parking area. The existing site discharges 2.03 cfs to the west. The proposed development will continue to discharge 1.99 cfs to the west. The site is not impacted by upland flow. The site will retain on-site 1220 cubic feet of water which exceeds the first flush requirement of 422 cubic feet. The site developments will reduce peak and total flow as compared to existing. This redevelopment conforms to City of Albuquerque drainage ordinance.



LEGAL DESCRIPTION:
 LOT 4-B CENTRAL MERCADO
 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.

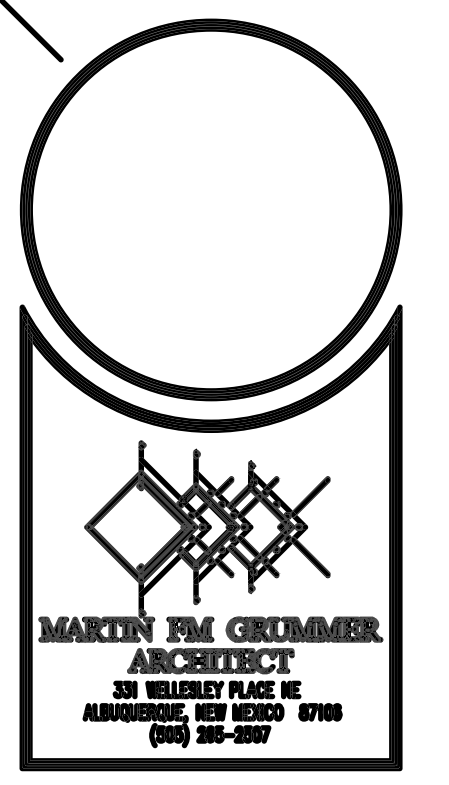
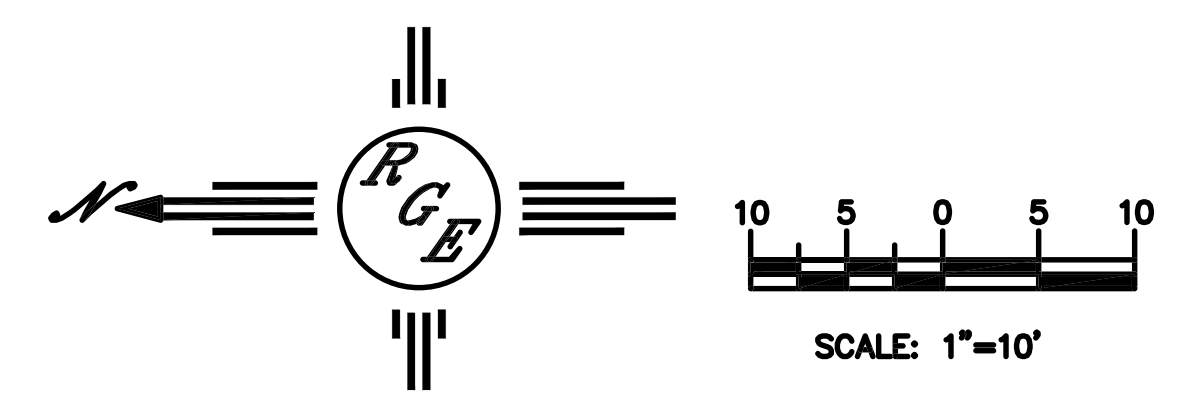
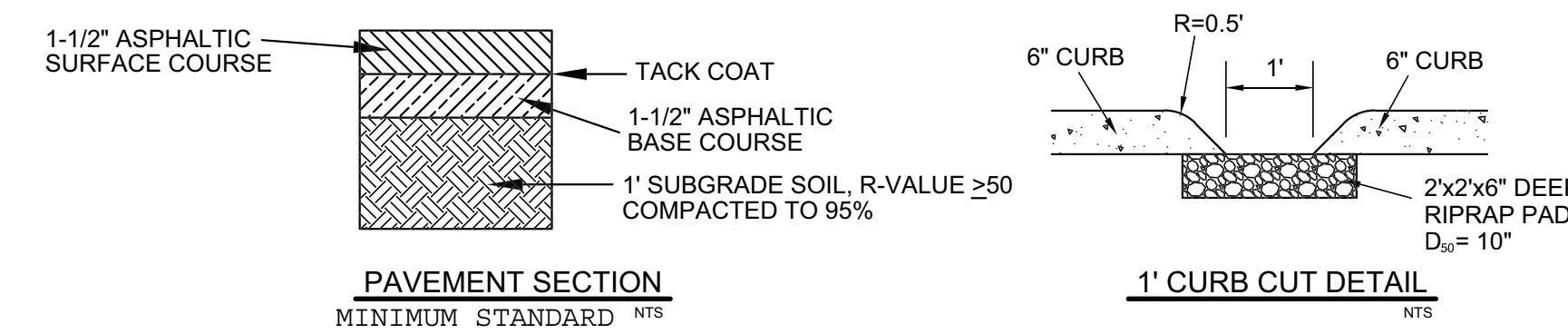
LEGEND

- EXISTING CONTOUR
- - - EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- - - PROPOSED INDEX CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED BOTTOM OF CURB ELEVATION
- PROPOSED TOP OF ASPHALT ELEVATION
- PROPOSED FLOWLINE ELEVATION
- PROPOSED DRAINAGE FLOW DIRECTION
- BOUNDARY
- - - EXISTING EASEMENT
- - - EXISTING CURB AND GUTTER
- - - LIMIT OF SAW CUT REMOVAL
- PROPOSED PONDING AREA
- ▨ PROPOSED ASPHALT SEE PAVEMENT SECTION

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.

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.



CENTRAL MERCADO BLDG CC
CENTRAL & SAN PEDRO SE
ALBUQUERQUE, NM 87108
LOT 4-B CENTRAL MERCADO
201, 301 SAN PEDRO DR. SE

DATE: 9 JUNE 2021

DRAWN BY: DEM

CHECKED BY: DS

VERIFIED BY: DS

REVISIONS

NO.	DESCRIPTION

