

**VICINITY MAP**

**K18**

**LEGEND**

- EXISTING CONSTRUCTION
- NEW CONTOUR
- ◆ 36.5 NEW SPOT ELEVATION
- NEW CONSTRUCTION
- TC TOP OF CURB
- FL FLOWLINE ELEVATION

**DRAINAGE ANALYSIS**

ADDRESS: 201 San Pedro SE  
 LEGAL DESCRIPTION: Tract 8 Land of Tijeras Place Improvement Co.  
 SITE AREA: 37,366 SF (0.86 acre)

BENCHMARK: City of Albuquerque Station '13-K18' being a brass cap  
 ELEV= 5308.547 (NAVD 1988)

SURVEYOR: Harris Surveying dated August, 2020  
 PRECIPITATION ZONE: 3

FLOOD HAZARD: From FEMA Map 35001C0354H (8/16/12), this site is identified as being within Zone 'X' which is located outside the 0.2% annual chance floodplain.

EXISTING CONDITIONS: The site is vacant and slopes down to the west at about 2%. A structure existed on this lot but has been removed and is now a dirt surface in the center of this site. The surrounding area is the Mercado which is an existing paved parking lot for this commercial center.

OFFSITE FLOW: The adjacent public streets (Central and San Pedro SE) both intercept upstream drainage and prevent offsite flow from entering the site.

PROPOSED IMPROVEMENTS: The proposed asphalt paving and xeric landscaped areas are intended to organize the vehicle access and parking and to beautify this corner of the existing parking lot.

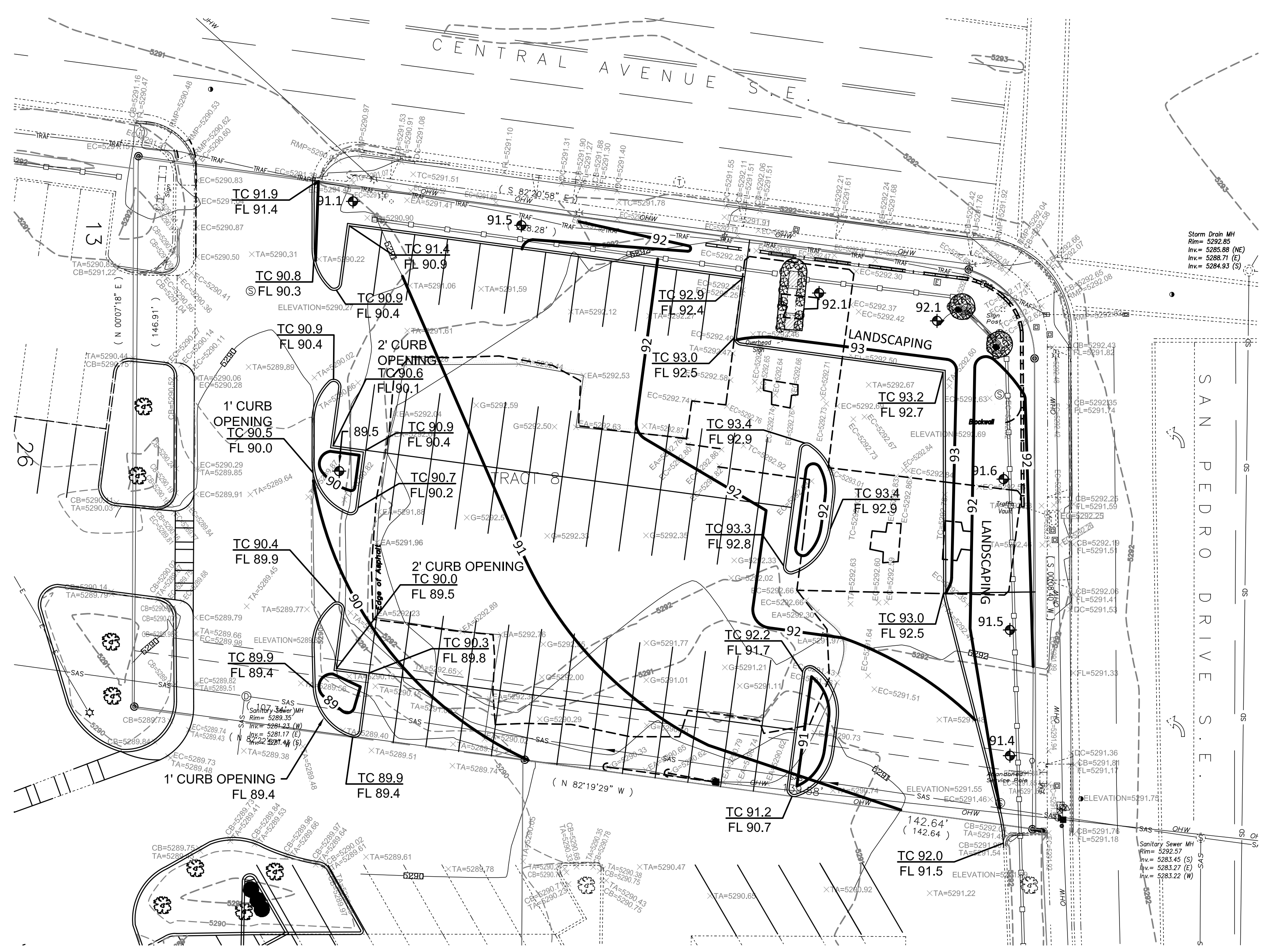
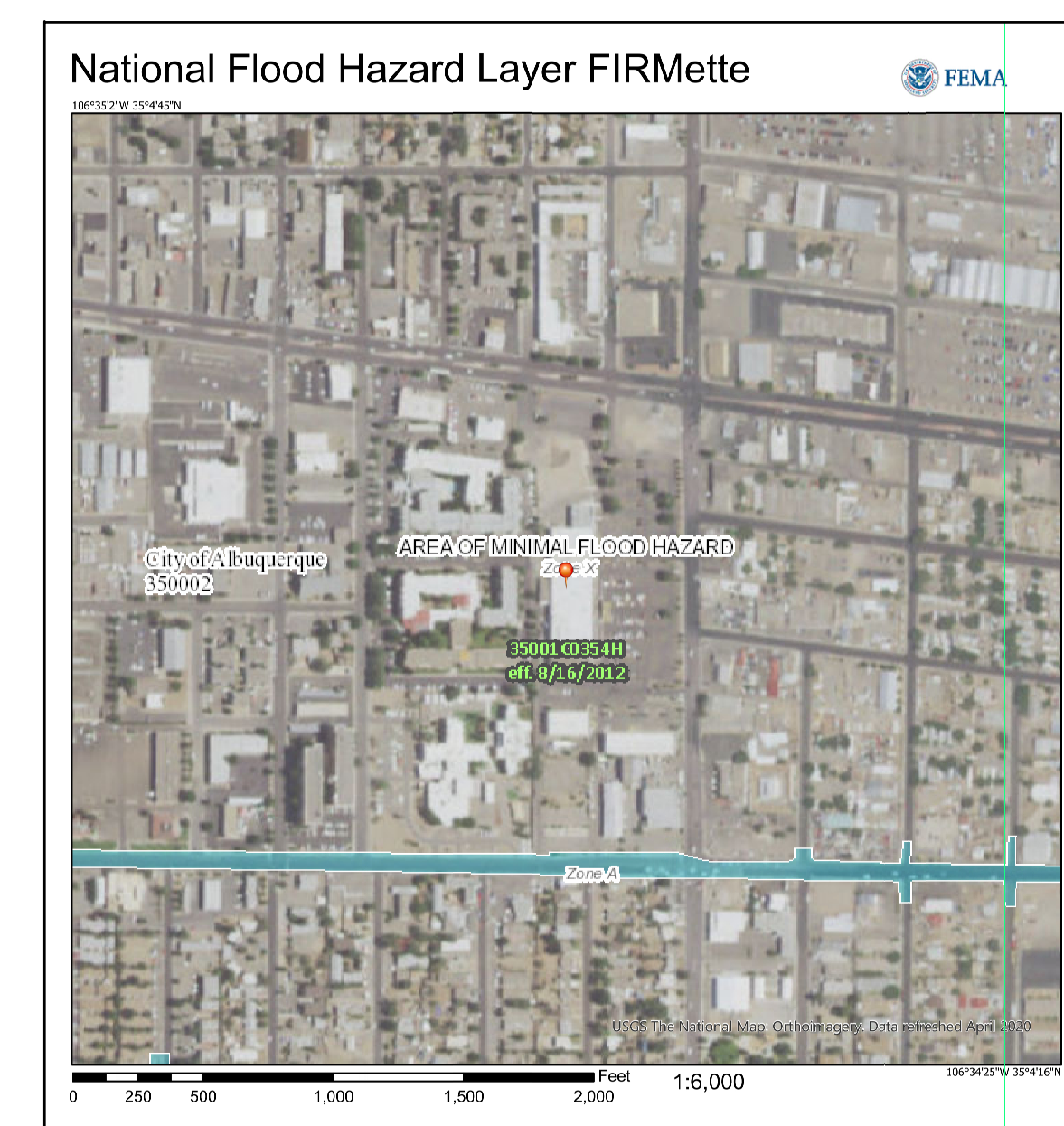
DRAINAGE APPROACH: The site drainage pattern will remain unchanged as the site will continue to drain to the south and west per historic conditions.

Existing land treatment: 10% A and 90% D Precipitation Zone: 3  
 $Q = [(0.187) + (0.9)(5.02)](0.86) = 4.0$  CFS

Proposed land treatment: 21% C and 79% D  
 $Q = [(0.24)(3.45) + (.76)(5.02)](0.86) = 4.0$  CFS

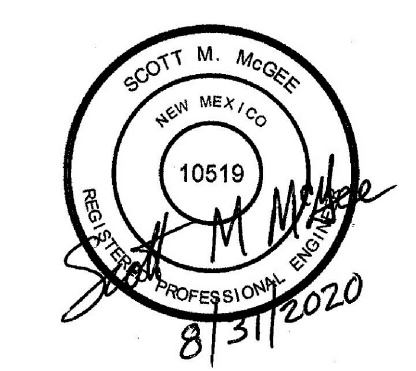
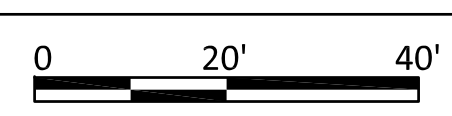
SWQ V= (11,400) (0.34/12) = 323 CF  
 Onsite pond volumes = 105+ 105+ 60+60 = 330 CF

The proposed detention ponding areas contain the first flush volume. Runoff will not increase and there will be no adverse impact on downstream drainage facilities.



**GRADING AND DRAINAGE PLAN**

1" = 20'



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