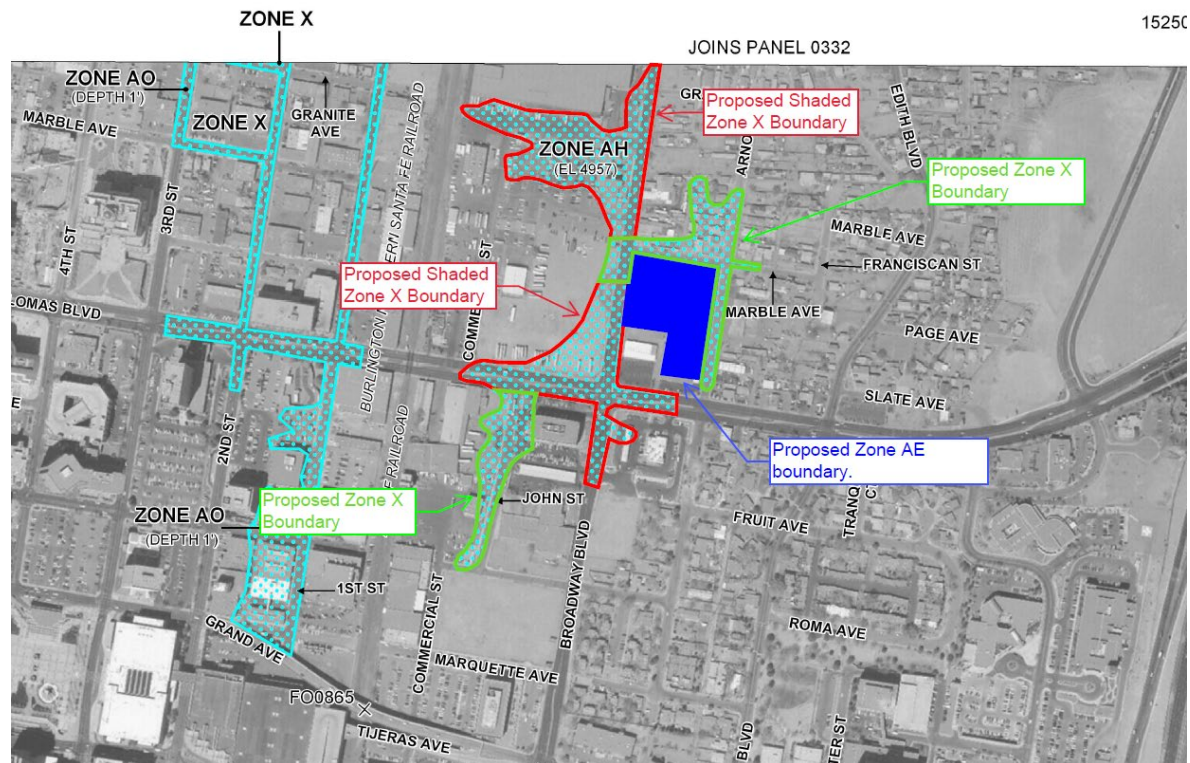




## ATTACHED RESPONSES TO DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY FORMS ADDITIONAL EXPLANATIONS:

Overview & Concurrence Form- Overview. Number 5a/b:

5b Q: *The area of revision encompasses the following structures: Other (Attach Description)*



A: The area of revision is shown on the annotated FIRM as shown in the screen shot above. The construction of the Marble-Arno Storm Pump Station and Pond diverts approximately 83.5 ac of heavily impervious drainage area east of the Broadway and Lomas intersection north into the new pond/pump station facility through the new storm drains in Arno Street. This dramatically reduces the stress on the hydraulic network at the intersection of Broadway and Lomas. The construction of the storm drainage system at the intersection of Broadway and Lomas is old, with some storm drains having adverse slopes to account for the original configuration of inline weirs built with the original Post Office Pond. As such, the manholes in this area show minor flooding, but all nodes have flooding depths less than 1 ft. The same applies to the 30-inch storm drain that collects runoff from Broadway and Marquette. The storm drains north of the original abandoned Broadway Pump Station show some flooding, but the depths are below 1 ft because of the lack of system capacity north on Broadway toward I-40.

Riverine Hydrology & Hydraulics Form (Form 2)- Section A. Hydrology Number 5:

*Q: "Impacts of Sediment Transport on Hydrology. Is the hydrology for the revised flooding source(s) affected by sediment transport? If yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation."*

A: This area of study is highly urbanized, with most conveyance occurring in streets and storm drains. Sediment transport will not significantly affect the floodplain, change conveyance pathways, and no significant sediment deposition is expected.

Riverine Structures Form (Form 3) - Section D. Dam/Basin Number 5:

*Q: "Does the submittal include debris/sediment yield analysis? If Yes, then fill out Section F (Sediment Transport). If No, then attach your explanation for why debris/sediment analysis was not considered?"*

A: This area of study is highly urbanized, with most conveyance occurring in streets and storm drains. Sediment transport will not significantly affect the floodplain, change conveyance pathways, and no significant sediment deposition is expected.