



SUB-CONSULTANTS

EASTERLING CONSULTANTS, LLC

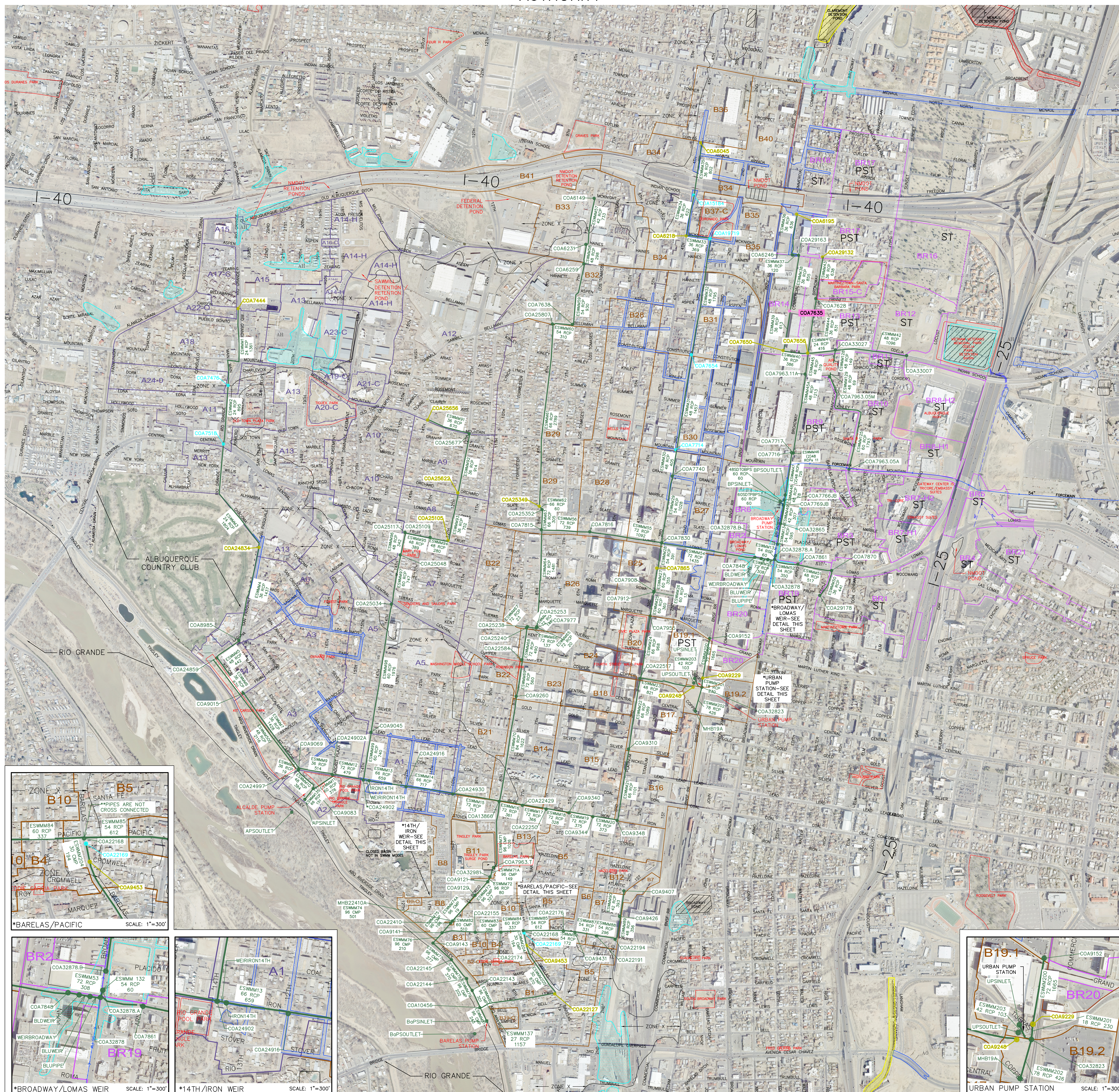
THOMPSON ENGINEERING CONSULTANTS, INC.

CONSENSUS PLANNING, INC.

CITY OF  
ALBUQUERQUE

ALBUQUERQUE  
METROPOLITAN  
ARROYO FLOOD  
CONTROL  
AUTHORITY

SMITH  
ENGINEERING  
COMPANY  
(SEC)



## LEGEND

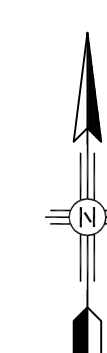
- DETENTION/RETENTION PONDS
- PUMP STATIONS
- PARKS
- DRAINAGE BASIN BOUNDARY - ALCALDE
- DRAINAGE BASIN BOUNDARY - BARELAS
- DRAINAGE BASIN BOUNDARY - BROADWAY
- SWMM MANHOLES (ALL COLORS)
- SWMM PIPES  
SWMM ID #  
DIA. MATERIAL  
LENGTH-FT
- ST  
STEEP SLOPE SUBCATCHMENT (AVERAGE SLOPE > 1%)
- PST  
PART OF SUBCATCHMENT HAS STEEP SLOPE, REMAINDER HAS MILD SLOPE WHERE STREETS WILL FUNCTION AS PONDING AREAS
- B2-O  
"O" INDICATES HYDROGRAPHS THAT LEAVE THE STUDY AREA
- A14-H  
"H" SUBCATCHMENTS INDICATE HYDROGRAPHS COMPUTED BY SEC EXTERNAL TO SWMM MODEL (BASED ON APPROVED DRAINAGE MASTER PLANS)
- BR15-C  
"C" SUBCATCHMENTS INDICATE CLOSED SUBCATCHMENTS

## FEMA FLOOD ZONE TYPES:

- ZONE A- NO BASE FLOOD ELEVATIONS DETERMINED
- ZONE AE- BASE FLOOD ELEVATIONS DETERMINED
- ZONE AH- FLOOD DEPTHS OF 1 TO 3 FEET (USUALLY SHEET FLOW ON SLOPING TERRAIN); AVERAGE DEPTH DETERMINED FOR AREAS OF ALLUVIAL FAN FLOODING VELOCITIES ALSO DETERMINED.
- ZONE AO- FLOOD DEPTHS OF 1 TO 3 FEET (USUALLY SHEET FLOW ON SLOPING TERRAIN); AVERAGE DEPTH DETERMINED FOR AREAS OF ALLUVIAL FAN FLOODING VELOCITIES ALSO DETERMINED.
- ZONE X- AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% CHANCE ANNUAL FLOOD.

## SUMMARY OF STREET PONDING DEPTHS FOR EXIST. CONDITIONS, 100-YR. 24-HR. STORM

- COA15184 STREET PONDING DEPTH GREATER THAN 1-FT
- COA7650 STREET PONDING DEPTH BETWEEN 0.5-FT AND 1-FT DEEP
- COA6045 STREET PONDING DEPTH BETWEEN 0-FT AND 0.5-FT DEEP
- COA22127 NO STREET PONDING DEPTH



SCALE: 1" = 500'

MID-VALLEY DRAINAGE MANAGEMENT PLAN

FOR THE CITY OF ALBUQUERQUE &  
ALBUQUERQUE METROPOLITAN ARROYO  
FLOOD CONTROL AUTHORITY

April - 2012

SEC PROJECT NO. 110112

EXISTING CONDITIONS  
SWMM MODELING RESULTS  
FIGURE 4-1