CITY OF ALBUQUERQUE

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

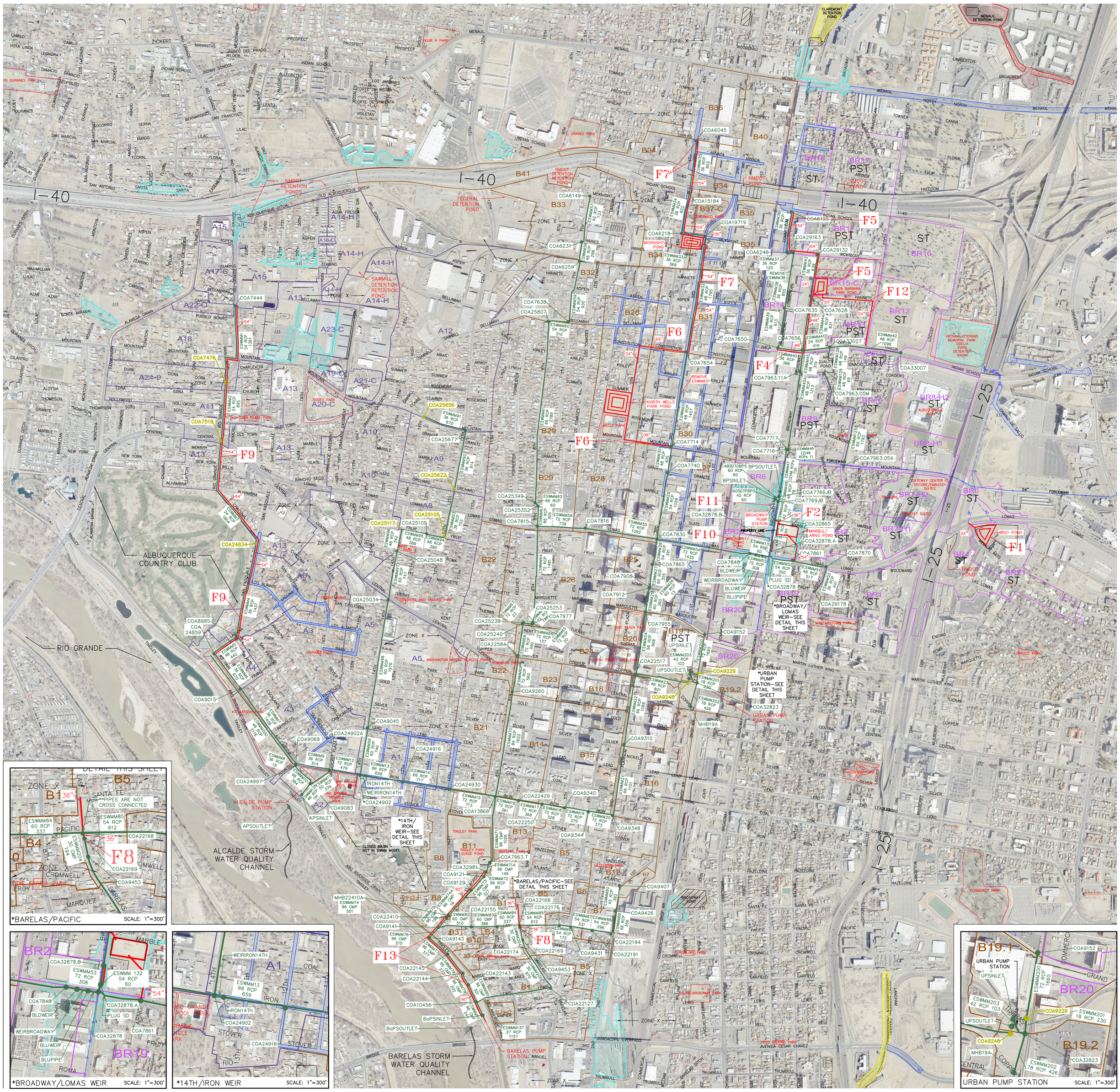
SMITH ENGINEERING COMPANY (SEC)

SUB–CONSULTANTS

EASTERLING CONSULTANTS, LLC

THOMPSON ENGINEERING CONSULTANTS, INC.

CONSENSUS PLANNING, INC.



LEGEND

- DETENTION/RETENTION PONDS
- PUMP STATIONS
- PARKS
- DRAINAGE BASIN BOUNDARY – ALCALDE
- DRAINAGE BASIN BOUNDARY – BARELAS
- DRAINAGE BASIN BOUNDARY – BROADWAY
- COA10457 — EXISTING SWMM MANHOLES (ALL COLORS)
- ESWMM 1 / 60 RCP / 500 — EXISTING SWMM PIPES: SWMM ID #, DIA. MATERIAL, LENGTH–FT
- 60 RCP — PROPOSED SWMM PIPES: DIA. MATERIAL
- 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
- PROPOSED DRAINAGE FACILITY
- F1 — PROPOSED DRAINAGE FACILITY NAME
- SEE REPORT FOR COMPLETE FACILITY DESCRIPTIONS

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 AREAS OF PONDING); BASE FLOOD ELEVATIONS 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 AND PROPOSED DRAINAGE FACILITIES, 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'

500' 0 500' 1000' 1500'Feet

MID–VALLEY DRAINAGE MANAGEMENT PLAN

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

April – 2012

SEC PROJECT NO. 110112

PROPOSED DRAINAGE FACILITIES SWMM MODELING RESULTS

FIGURE 6–1

Q:\SEC—PROJECTS\2010 PROJECTS\110112 COA MID VALLEY DMP\DMP REPORT VOLUME 1\FIGURES & MAPPING\AUTOCAD FILES\FIGURE 6-1 PROPOSED DRAINAGE FACILITIES SWMM MODELING RESULTS.DWG