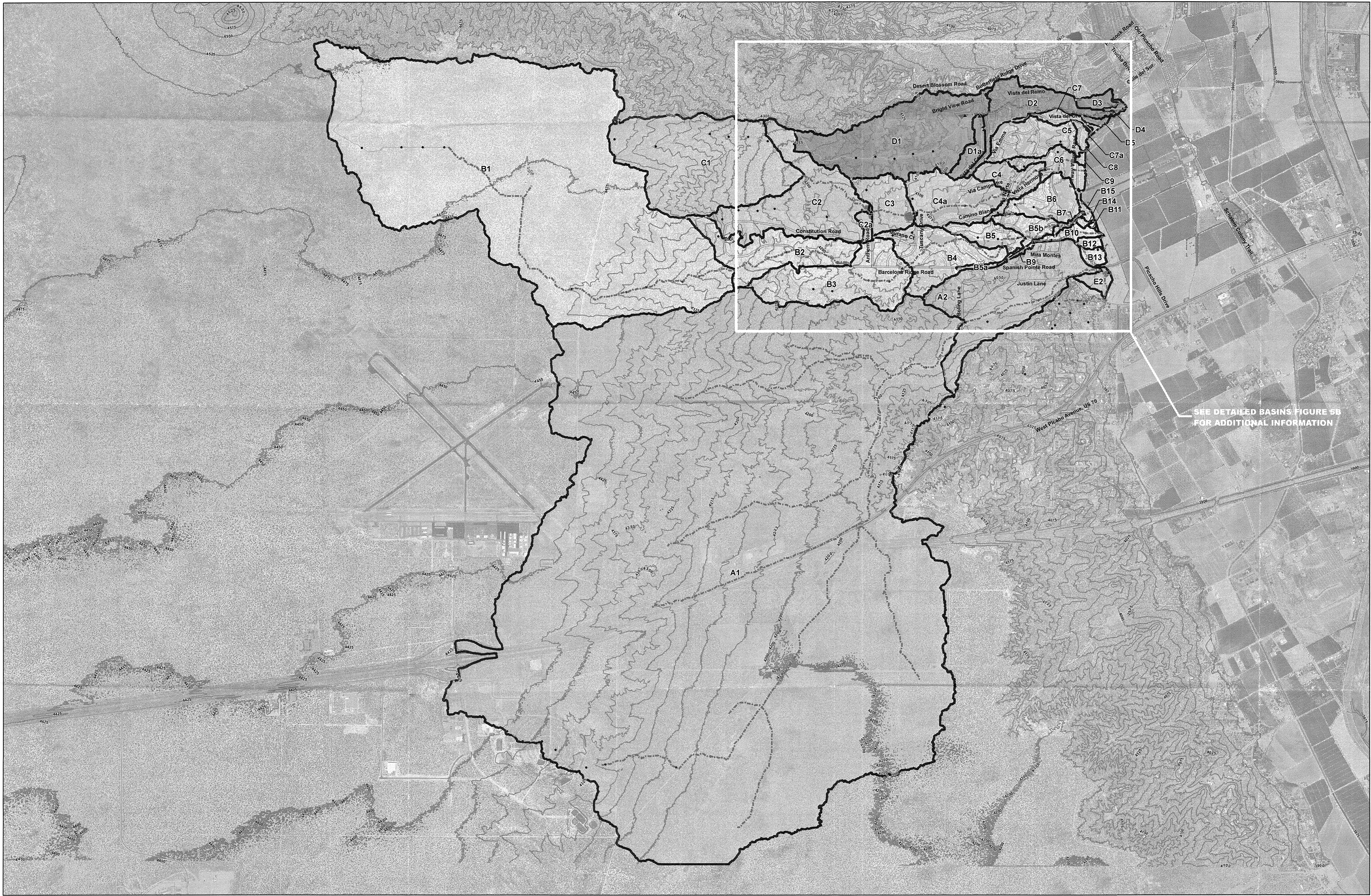
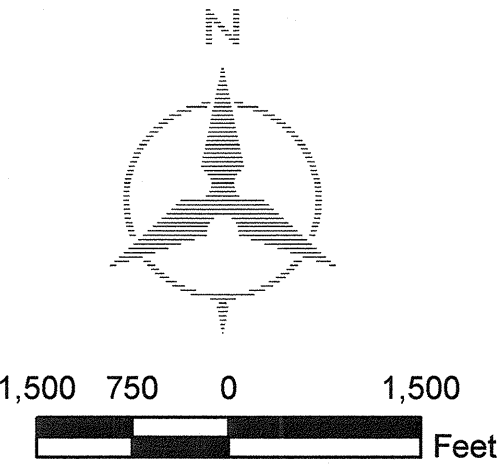


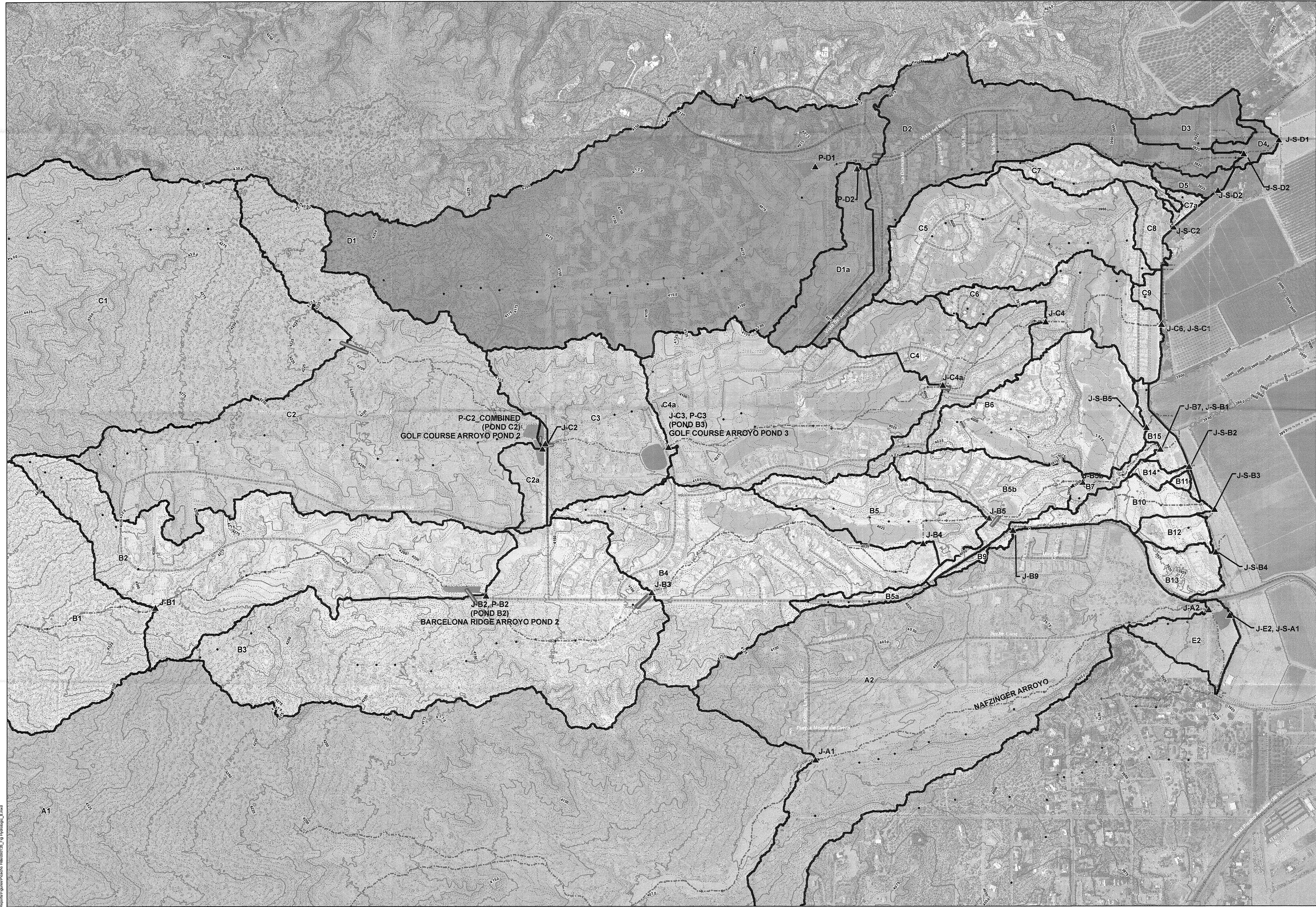


Legend

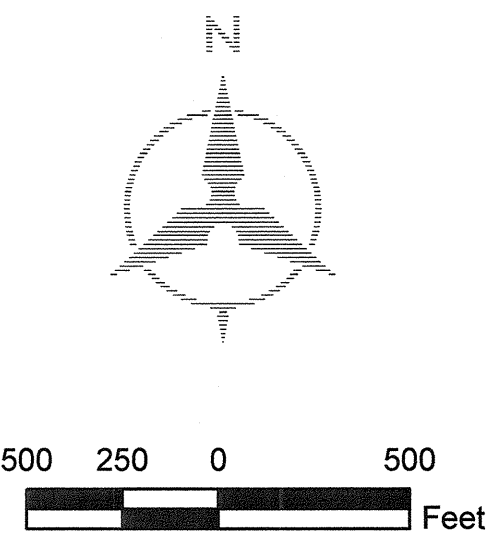
- ▲ ANALYSIS POINT
- ARROYO PATH
- Longest Flow Path
- SUB-BASIN BOUNDARY
- MAJOR PONDING AREA
- INDEX CONTOUR - 25FT
- STREET
- NAFZINGER BASIN
- BARCELONA RIDGE BASIN
- GOLF COURSE BASIN
- MANSIONES DE GALICIA BASIN



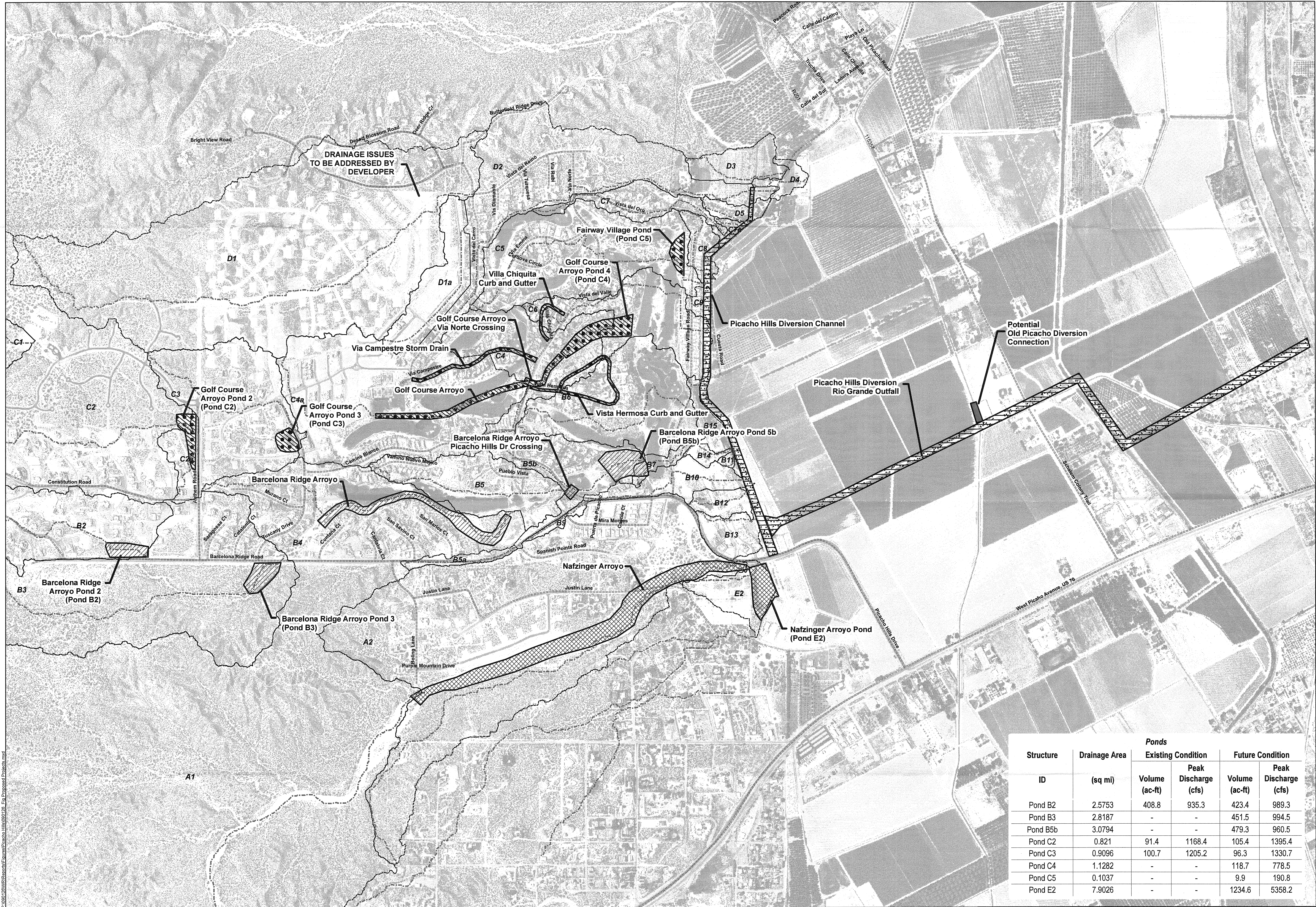
PICACHO HILLS
DRAINAGE MASTER PLAN
BASIN MAP
FIGURE 5A



- Legend**
- ▲ ANALYSIS POINT
 - EXISTING CULVERT
 - ▭ SUB-BASIN BOUNDARY
 - MAJOR PONDING AREA
 - INDEX CONTOUR - 25 FT
 - INTERMEDIATE CONTOUR - 5 FT
 - - - - - ARROYO PATH
 - ===== STREETS
 - NAFZINGER BASIN
 - BARCELONA RIDGE BASIN
 - GOLF COURSE BASIN
 - MANSIONES DE GALICIA BASIN



PICACHO HILLS
DRAINAGE MASTER PLAN
DETAILED BASIN MAP
FIGURE 5B



Legend

- ARROYO PATH
- SUB-BASIN BOUNDARY
- PROPOSED IMPROVEMENT GROUP
 - NAFZINGER ARROYO BASIN
 - BARCELONA RIDGE ARROYO BASIN
 - GOLF COURSE ARROYO BASIN
 - PICACHO HILLS DIVERSION
 - POTENTIAL OLD PICACHO CONNECTION

Structure	Drainage Area	Ponds			
		Existing Condition		Future Condition	
ID	(sq mi)	Volume (ac-ft)	Peak Discharge (cfs)	Volume (ac-ft)	Peak Discharge (cfs)
Pond B2	2.5753	408.8	935.3	423.4	989.3
Pond B3	2.8187	-	-	451.5	994.5
Pond B5b	3.0794	-	-	479.3	960.5
Pond C2	0.821	91.4	1168.4	105.4	1395.4
Pond C3	0.9096	100.7	1205.2	96.3	1330.7
Pond C4	1.1282	-	-	118.7	778.5
Pond C5	0.1037	-	-	9.9	190.8
Pond E2	7.9026	-	-	1234.6	5358.2

PICACHO HILLS
DRAINAGE MASTER PLAN
PROPOSED PROJECTS
FIGURE 7