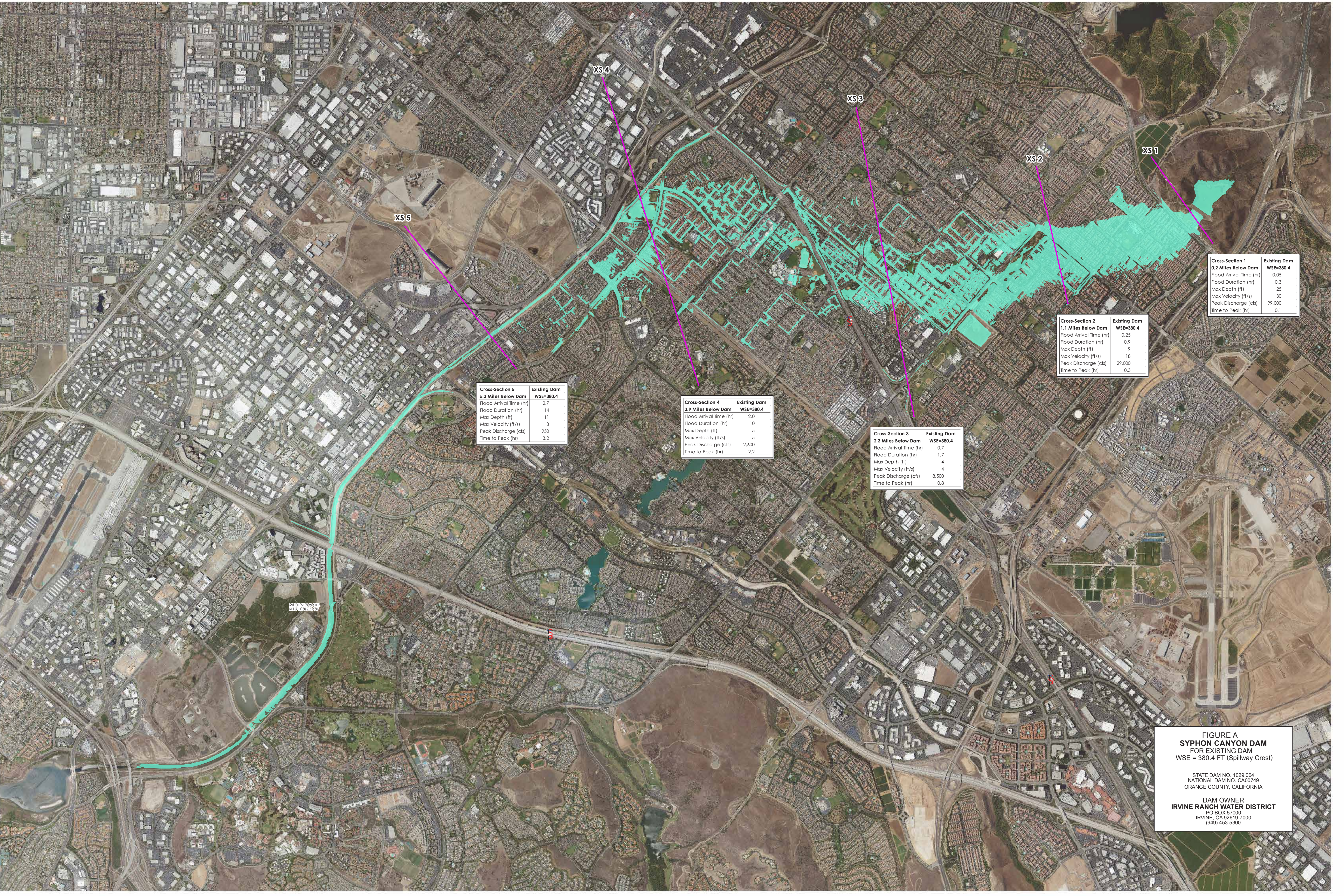




Cross-Section 1	Existing Dam
0.2 Miles Below Dam	WSE=380.4
Flood Arrival Time (hr)	0.05
Flood Duration (hr)	0.3
Max Depth (ft)	25
Max Velocity (ft/s)	30
Peak Discharge (cfs)	99,000
Time to Peak (hr)	0.1

Cross-Section 2	Existing Dam
1.1 Miles Below Dam	WSE=380.4
Flood Arrival Time (hr)	0.25
Flood Duration (hr)	0.9
Max Depth (ft)	9
Max Velocity (ft/s)	18
Peak Discharge (cfs)	29,000
Time to Peak (hr)	0.3

Cross-Section 3	Existing Dam
2.3 Miles Below Dam	WSE=380.4
Flood Arrival Time (hr)	0.7
Flood Duration (hr)	1.7
Max Depth (ft)	4
Max Velocity (ft/s)	4
Peak Discharge (cfs)	8,500
Time to Peak (hr)	0.8

Cross-Section 4	Existing Dam
3.9 Miles Below Dam	WSE=380.4
Flood Arrival Time (hr)	2.0
Flood Duration (hr)	10
Max Depth (ft)	5
Max Velocity (ft/s)	5
Peak Discharge (cfs)	2,600
Time to Peak (hr)	2.2

Cross-Section 5	Existing Dam
5.3 Miles Below Dam	WSE=380.4
Flood Arrival Time (hr)	2.7
Flood Duration (hr)	14
Max Depth (ft)	11
Max Velocity (ft/s)	3
Peak Discharge (cfs)	950
Time to Peak (hr)	3.2

FIGURE A
SYPHON CANYON DAM
FOR EXISTING DAM
WSE = 380.4 FT (Spillway Crest)

STATE DAM NO. 1029.004
NATIONAL DAM NO. CA00749
ORANGE COUNTY, CALIFORNIA

DAM OWNER
IRVINE RANCH WATER DISTRICT
PO BOX 57000
IRVINE, CA 92615-7000
(949) 453-5300