



## FLOOD RISKS TO STRUCTURES

Below is a list of the potential flooding risks to structures identified in the study area with more information about the type of flooding occurring and potential impacts to properties.

Map #	Location/Description of Potential Flood Hazard	Max Flooding Depth (Ft)	# of Structures	Property Type	Estimated Flood Damage (100-yr storm)
<b>Area 1 - West</b>					
1	Glenhaven Dr. and 30th Dr. – Storm drain inlet lacks the capacity to adequately drain the street.	1.80	7	Single Family	\$71,600
2	Amberwood Dr. and 29th Ave – Home pad elevations were set below the curb.	2.14	15	Single Family	\$347,400
3	Wildwood Drive and 7th Drive – Storm drain inlet lacks the capacity to adequately drain the street.	4.84	8	Single Family	\$166,000
4	South Fork Dr. and 1st St. – Home pad elevations below the curb.	3.85	11	Single Family	\$188,000
5	Silverwood Dr. and 7th St. – Alley spillway lacks capacity to adequately drain the street.	3.00	8	Single Family	\$144,300
6	Frye Rd. and Desert Foothills Pkwy. – Channel lacks capacity and stormwater breaks out at adjacent apartment complex.	2.33	48	Multi-Family	\$7,400
7	Amberwood Dr. and 11th Pl. – Storm drain inlet lacks the capacity to adequately drain the street.	1.60	28	Single Family	\$387,400
8	Briarwood Terrace and 17th St. – Storm drain inlet lacks the capacity to adequately drain the street.	4.42	13	Single Family	\$284,800
9	Muirwood Dr. and Clubhouse Dr. – Home pad elevations below the curb.	4.53	17	Single Family	\$399,200
<b>Area 2 - Southeast</b>					
10	Pecos Rd. and 24th St. – Channel lacks capacity and stormwater breaks out into the adjacent church property.	3.16	1	Church	\$41,700
11	Brookwood Court and 27th St. – Alley spillway lacks the capacity to adequately drain the street.	2.72	15	Single Family	\$246,400



# AHWATUKEE FOOTHILLS AREA DRAINAGE MASTER STUDY/PLAN



City of Phoenix

Map #	Location/Description of Potential Flood Hazard	Max Flooding Depth (Ft)	# of Structures	Property Type	Estimated Flood Damage (100-yr storm)
12	Cottonwood Lane and 41st St. – Channel lacks capacity and stormwater breaks out into the adjacent neighborhood.	5.08	52	Single Family	\$681,300
13	Cholla Canyon Dr. and 39th Place – Alley spillway lacks capacity to adequately drain the street.	3.48	14	Single Family	\$205,700
14	Desert Flower Lane and 24th Way – Storm drain inlet lacks the capacity to adequately drain the cul-de-sac.	3.49	5	Single Family	\$127,100
<b>Area 3 - Northeast</b>					
15	Dry Creek Rd. and 35th Place – Alley spillway lacks the capacity to adequately drain the street.	4.34	48	Single Family	\$620,500
16	Ray Road and Ranch Circle (west) – Channel along west side of Ranch Circle lacks capacity and storm water breaks out into the shopping center.	8.58	2	Commercial	\$67,400
17	Ranch Circle and 36th St. – Channel lacks capacity and breaks out into the adjacent residential and commercial developments.	6.30	16	Single Family Commercial	\$217,100
18	44th St. and Ponca St. – The golf course channel on the west side lacks capacity and storm water breaks out into the neighborhood along 44 <sup>th</sup> St. The alley spillway lacks the capacity to adequately drain Ponca St.	2.85	23	Single Family	\$291,500
19	Kiowa St. and Mandan St. – Flow from South Mountain is trapped behind several homes and has resulted in previous wall failure and structural flooding.	6.45	21	Single Family	\$182,200
20	Cheyenne Dr. and 51st St. – The channel capacity is reduced as it flows toward I-10 which results in storm water breaking out to the south.	3.90	114	Single Family Multi Family Commercial Government	\$328,000
21	Mineral Rd. and 48th Place – If residents block their wall openings flow could back up into the apartment complexes upstream.	4.24	39	Multi Family	\$58,300



## FLOOD RISKS TO ROADWAYS / OTHER FLOOD RISKS

Below is a list of the potential flooding risks to roadways and other flooding risks identified in the study area with more information.

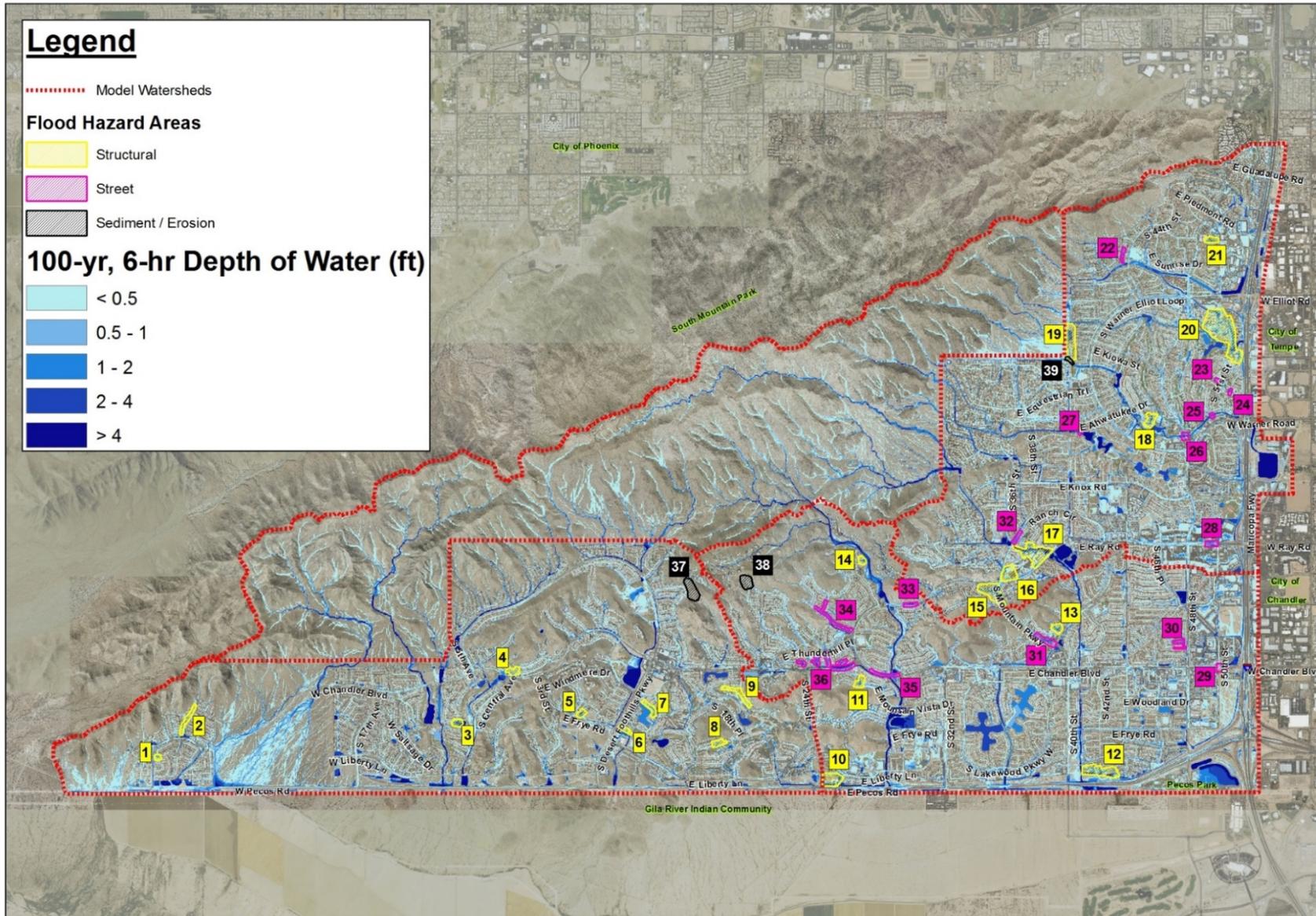
Map #	Maximum Depth (ft)	Roadway Segment
22	1.70	<b>43rd Court</b> – (E Pearce Rd. to E Sunrise Dr.)
23	1.21	<b>51<sup>st</sup> Street</b> – (11950 S.)
24	2.44	<b>Eagleman Drive</b> – (11990 S.)
25	2.97	<b>51st Street</b> – (12221 S.)
26	3.13	<b>48<sup>th</sup> Street</b> – (12610 S.)
27	1.87	<b>Lakeside Boulevard</b> – (S 41st St. to S Suki Court)
28	2.04	<b>Ray Road</b> (E. 4900 block)
29	0.66	<b>Chandler Boulevard</b> – (at S 50th St)
30	1.49	<b>White Aster St/S 47th Way</b> – (E Thunderhill Pl to E Bighorn Ave)
31	2.25	<b>South Mountain Parkway</b> – (E Mountain Sky Ave to E Ranch Circle S)
32	1.58	<b>Ranch Circle Road</b> – (S 36th St. to E Jojoba Rd.)
33	2.85	<b>Ray Rd</b> – (E. 2800 block)
34	2.73	<b>Taxidea Way</b> – (S 24th St to S 25th Way)
35	2.43	<b>Chandler Boulevard</b> – (E. 2600 to 2800 blocks)
36	3.65	<b>Chandler Boulevard</b> (E Bighorn Ave/S 25th St/ E Desert Trumpet Rd/E Mountain Sky Ave)
<b>OTHER FLOOD RISKS: EROSION/SEDIMENT HAZARDS</b>		
37	N/A	Hillslope behind E Dry Creek Rd and S 14th Way
38	N/A	Hillslope behind cul-de-sac at north end of S 20 <sup>th</sup> St
39	N/A	Entrance to grass-lined channel behind Kyrene de las Lomas Elementary School



# AHWATUKEE FOOTHILLS AREA DRAINAGE MASTER STUDY/PLAN



City of Phoenix



		<b>AHWATUKEE FOOTHILLS AREA DRAINAGE MASTER STUDY</b>		<b>TYLIN INTERNATIONAL</b> engineers   planners   scientists
		<b>FLOOD HAZARD IDENTIFICATION</b>	0 0.25 0.5 1 Miles	