

Table 1. Measured Sky Track Lmax Noise

Description	NM1	NM2	NM3	Near Field
	Lmax, dBA	Lmax, dBA	Lmax, dBA	Lmax, dBA
Kids on Swing and Seat	62.3	60.7	65.0	--
Adult pushing Kids Seat	58.4	57.4	68.6	--
2 Adults pushing Kids 2 Swing and Seat	62.4	62.7	71.2	--
1 Adult pushing Kid Swing	65.9	61.7	70.8	--
1 Adult pushing Teenage Kid Swing	57.0	54.8	61.1	--
Adult on Seat	61.5	54.0	70.4	--
Adult on Swing	56.6	52.4	60.5	--
Teenage Kid on Seat	64.6	63.0	70.9	--
Teenage Kid on Swing	56.0	56.7	63.3	--
Teenage Kid Seat 1ft away	51.7	51.1	--	76.6
Teenage Kid Seat 1ft away from Track	55.7	57.4	--	88.7
Teenage Kid Swing 1ft away	48.9	51.1	--	73.4
Teenage Kid Swing 1ft away	54.5	51.8	--	78.1
Teenage Kid Swing 1ft away from Track	57.1	55.1	--	88.0
Teenage Kid Swing 1ft away	55.6	55.8	--	84.8

Table 2. Arroyo Community Park Sky Track Predicted Operating Lmax Noise Levels

Receptor	Sky Track Lmax Noise Level Location, dBA	Predicted Sky Track Lmax Noise Level at Alternative Locations, dBA			
		Location A	Location B	Location C	Location D
1880 Imperial Ave Rear Property Line (NM1)	64.6	44.3	56.6	56.2	53.7
1868 Imperial Ave Rear Property Line (NM2)	63.0	43.3	55.1	55.7	52.8
Playground West of Sky Track (NM3)	70.9	45.0	61.7	60.0	57.0
Nearest Residences to the North Property Line	--	56.9	56.5	56.9	60.6
Nearest Residences to the South Property Line	--	56.7	56.9	56.1	53.9
Nearest Residences to the East Property Line	--	41.6	52.0	54.8	52.8
Nearest Residences to the West Property Line	--	65.1	--	43.4	--
Arroyo Community Pool	--	48.8	68.8	60.8	63.9

Table 3. Existing Location Impact Assessment

Receptor	Predicted Lmax Noise Level at Sky Track Location, dBA	City of Davis Residential Lmax Noise Standard (Day/ Nighttime), dBA	Impact Assessment
	Existing Location		
1880 Imperial Ave Rear Property Line (NM1)	64.6	75/70	Compliance/ Compliance
1868 Imperial Ave Rear Property Line (NM2)	63.0	75/70	Compliance/ Compliance
Playground West of Sky Track (NM3)	70.9	--	--

Table 4. Alternative Location A Impact Assessment

Receptor	Predicted Lmax Noise Level at Alternative Sky Track Location, dBA	City of Davis Residential Lmax Noise Standard (Day/ Nighttime), dBA	Impact Assessment
	Location A		
1880 Imperial Ave Rear Property Line (NM1)	44.3	75/70	Compliance/ Compliance
1868 Imperial Ave Rear Property Line (NM2)	43.3	75/70	Compliance/ Compliance
Playground West of Sky Track (NM3)	45.0	--	--
Nearest Residences to the North Property Line	56.9	75/70	Compliance/ Compliance
Nearest Residences to the South Property Line	56.7	75/70	Compliance/ Compliance
Nearest Residences to the East Property Line	41.6	75/70	Compliance/ Compliance
Patwin Elementary School Classroom Setback	65.1	--	--
Arroyo Community Pool	48.8	--	--

Table 5. Alternative Location B Impact Assessment

Receptor	Predicted Lmax Noise Level at Alternative Sky Track Location, dBA	City of Davis Residential Lmax Noise Standard (Day/ Nighttime), dBA	Impact Assessment
	Location B		
1880 Imperial Ave Rear Property Line (NM1)	56.6	75/70	Compliance/ Compliance
1868 Imperial Ave Rear Property Line (NM2)	55.1	75/70	Compliance/ Compliance
Playground West of Sky Track (NM3)	61.7	--	--
Nearest Residences to the North Property Line	56.5	75/70	Compliance/ Compliance
Nearest Residences to the South Property Line	56.9	75/70	Compliance/ Compliance
Nearest Residences to the East Property Line	52.0	75/70	Compliance/ Compliance
Arroyo Community Pool	68.8	--	--

Table 6. Alternative Location C Impact Assessment

Receptor	Predicted Lmax Noise Level at Alternative Sky Track Location, dBA	City of Davis Residential Lmax Noise Standard (Day/ Nighttime), dBA	Impact Assessment
	Location C		
1880 Imperial Ave Rear Property Line (NM1)	56.2	75/70	Compliance/ Compliance
1868 Imperial Ave Rear Property Line (NM2)	55.7	75/70	Compliance/ Compliance
Playground West of Sky Track (NM3)	60.0	--	--
Nearest Residences to the North Property Line	56.9	75/70	Compliance/ Compliance
Nearest Residences to the South Property Line	56.1	75/70	Compliance/ Compliance
Nearest Residences to the East Property Line	54.8	75/70	Compliance/ Compliance
Patwin Elementary School Classroom Setback	43.4	--	--
Arroyo Community Pool	60.8	--	--

Table 7. Location D Impact Assessment

Receptor	Predicted Lmax Noise Level at Alternative Sky Track Location, dBA	City of Davis Residential Lmax Noise Standard (Day/ Nighttime), dBA	Impact Assessment
	Location D		
1880 Imperial Ave Rear Property Line (NM1)	53.7	75/70	Compliance/ Compliance
1868 Imperial Ave Rear Property Line (NM2)	52.8	75/70	Compliance/ Compliance
Playground West of Sky Track (NM3)	57.0	--	--
Nearest Residences to the North Property Line	60.6	75/70	Compliance/ Compliance
Nearest Residences to the South Property Line	53.9	75/70	Compliance/ Compliance
Nearest Residences to the East Property Line	52.8	75/70	Compliance/ Compliance
Arroyo Community Pool	63.9	--	--