

# **“Pieces” Tool for Plan Drawing**

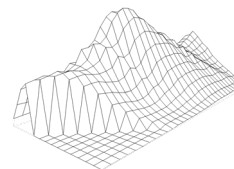
## **City of Santa Clara**

### **Independent Redistricting Commission (IRC)**

#### **Public Hearing #1**

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**OCTOBER 23, 2021**



**Shelley Lapkoff, Ph.D. & Jeanne Gobalet, Ph.D.**  
**LAPKOFF & GOBALET DEMOGRAPHIC RESEARCH, INC.**

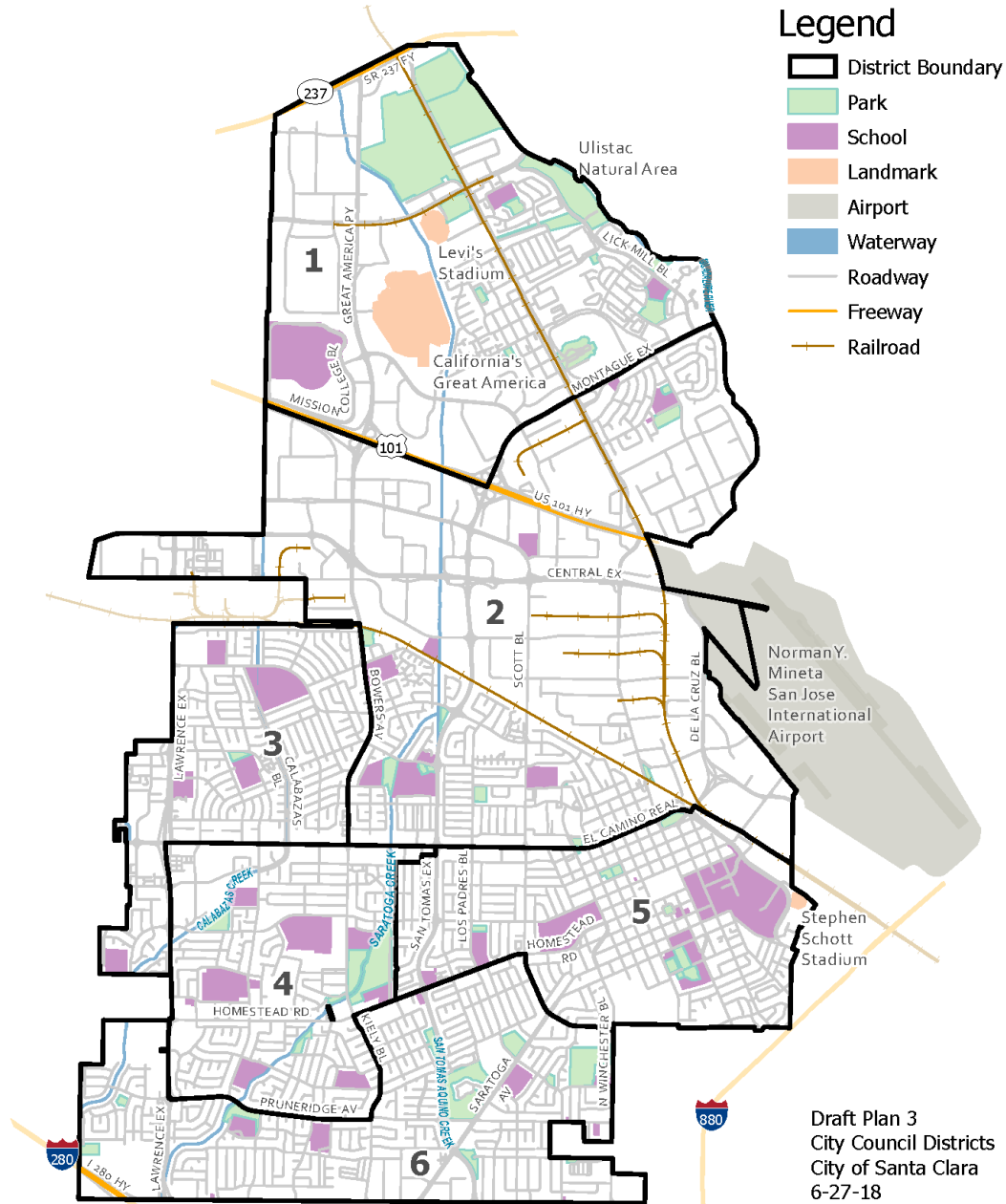
[www.demographers.com](http://www.demographers.com)

Oakland and Saratoga, California



# City of Santa Clara

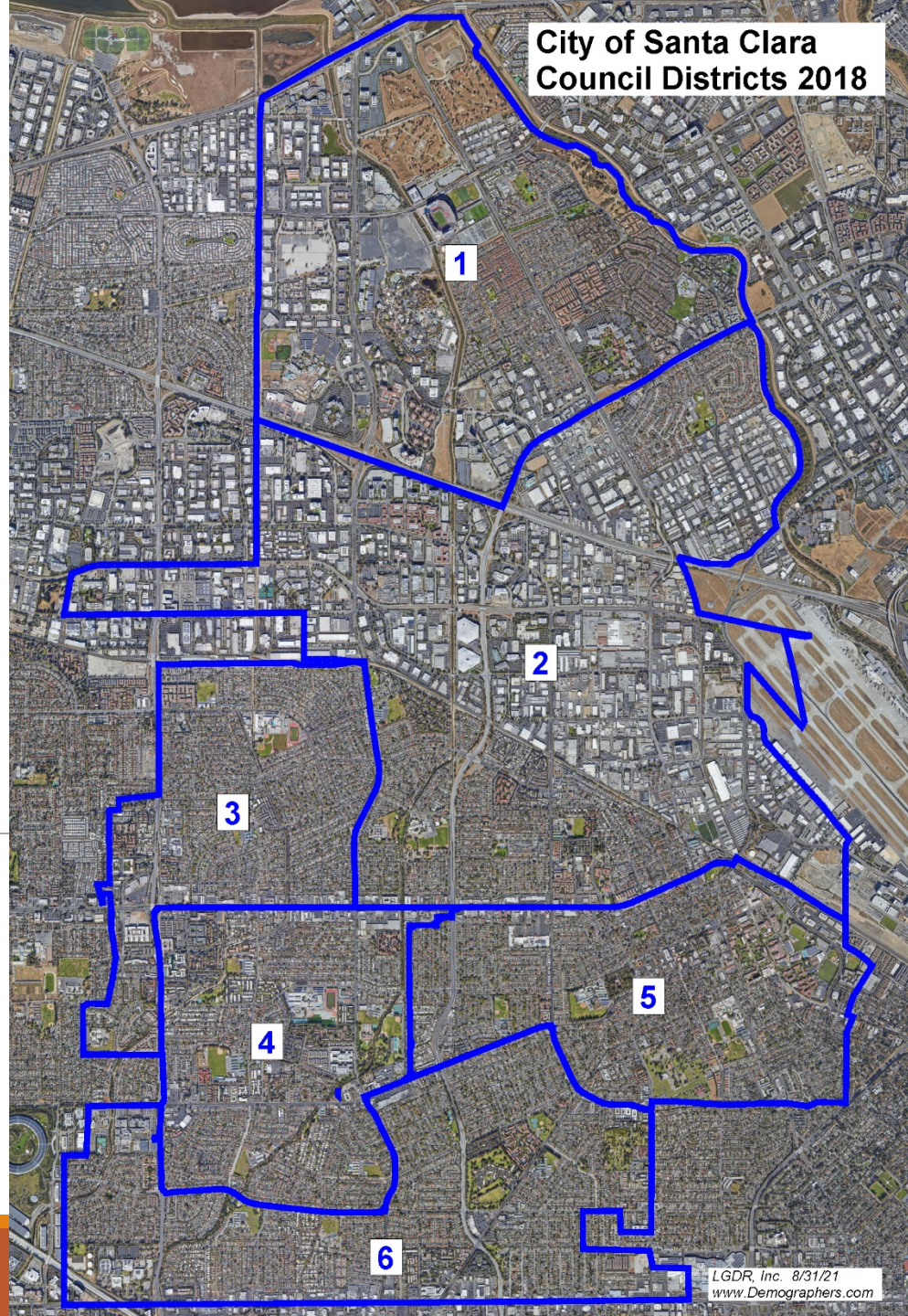
## City Council Districts Map



Draft Plan 3  
City Council Districts  
City of Santa Clara  
6-27-18

# Current City Council Districts

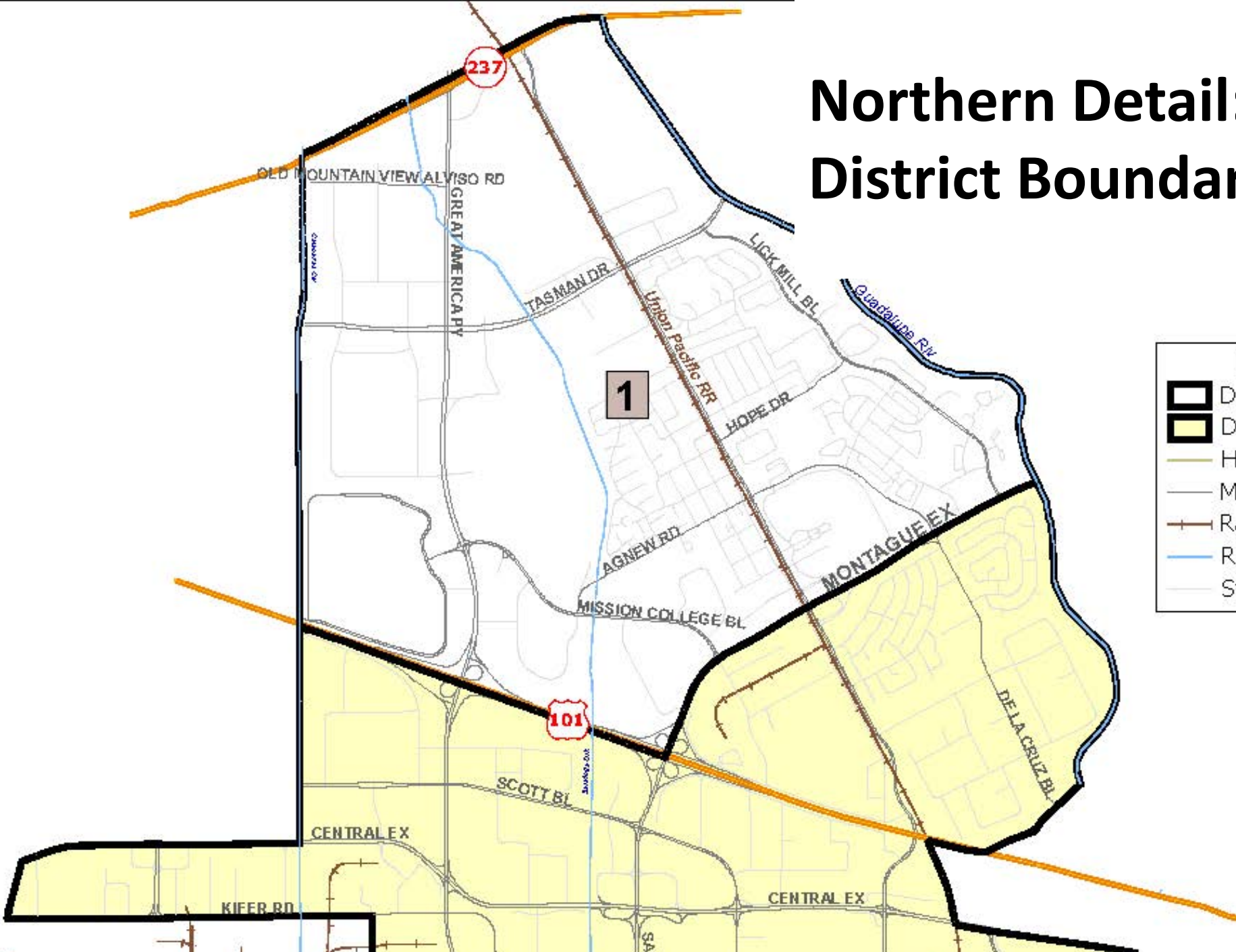
City of Santa Clara  
Council Districts 2018



Current City  
Council Districts

Satellite View

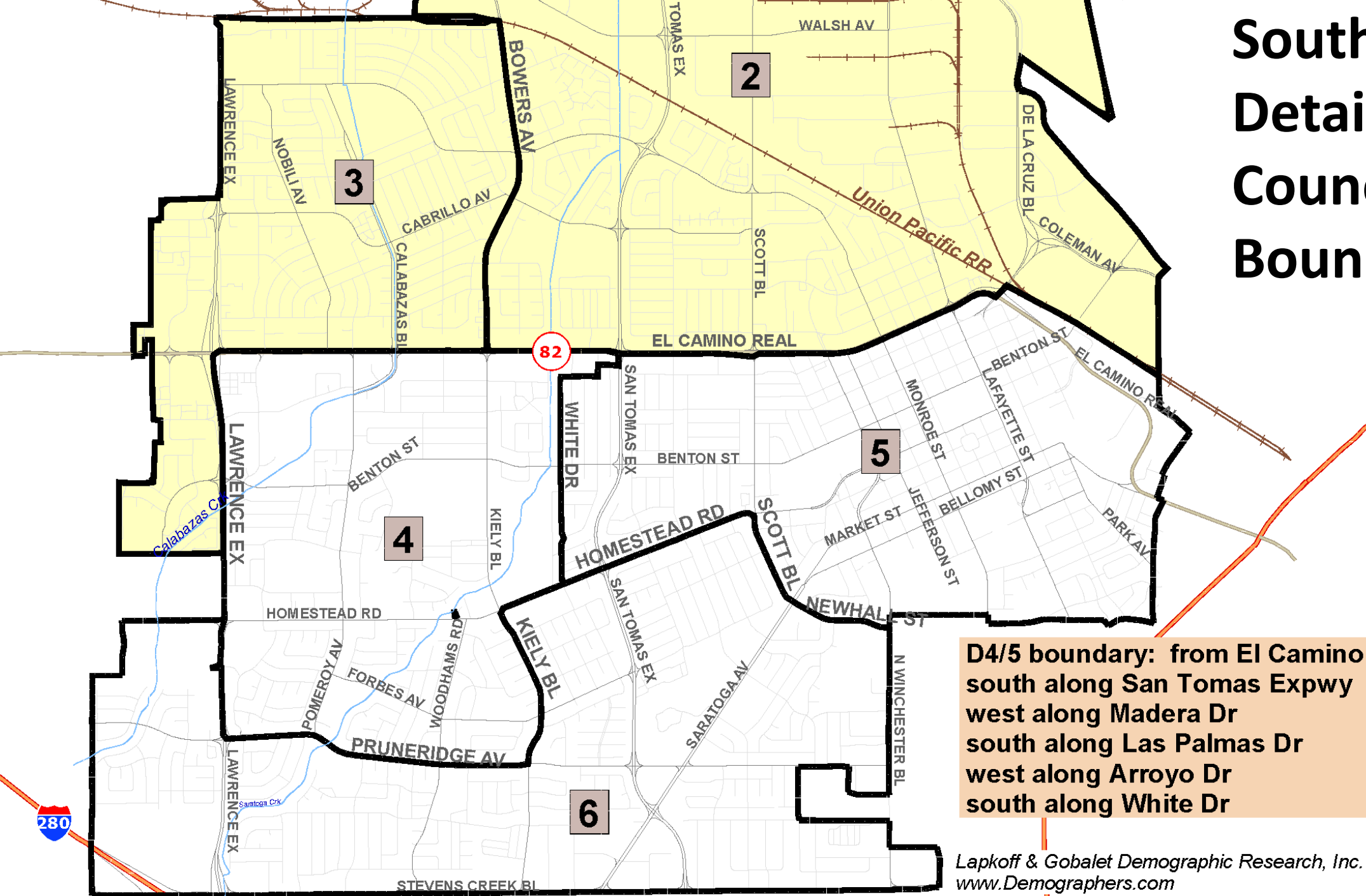
# Northern Detail: Current Council District Boundaries



**LEGEND**

- Draft Plan 3
- District Elects in 2018
- Highway/Freeway
- Major Road
- Railroad
- River/Stream
- Street Centerline

# Southern Detail: Current Council District Boundaries



**D4/5 boundary:** from El Camino Real south along San Tomas Expwy west along Madera Dr south along Las Palmas Dr west along Arroyo Dr south along White Dr

# #1 Priority for Redistricting: Population Equality

**Council Districts need to be fairly equal in population (some leeway is permitted)**

**Ideal district population = 1/6 of the 2020 Census population**

**City of Santa Clara=127,853 total population; 1/6=21,309 is ideal district population**

**Plan deviation = Difference between the least and most populous districts, divided by the ideal district population**

**10% deviation is permitted = 2,131 persons (21,309 x 10%)**

# Current Council Districts' 2020 Deviation

## City of Santa Clara Current Plan - Population Balance

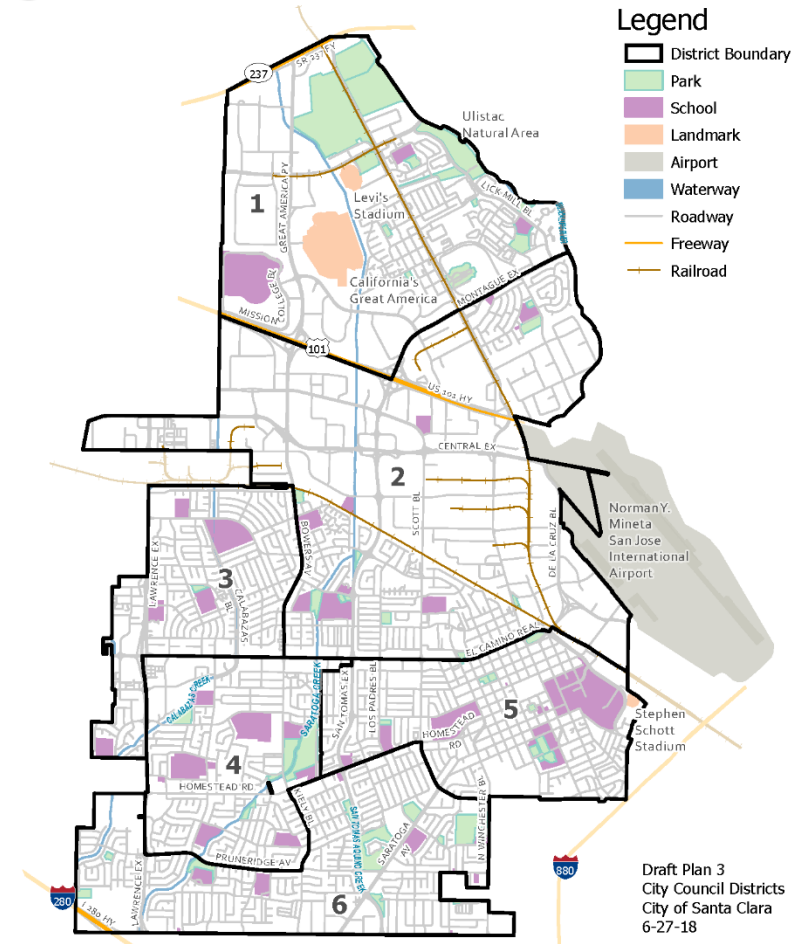
District	2020 Population	Deviation	% Deviation
1	19,680	-1,629	-7.6%
2	22,752	1,443	6.8%
3	20,879	-430	-2.0%
4	21,564	255	1.2%
5	20,592	-717	-3.4%
6	22,386	1,077	5.1%
<b>Total</b>	<b>127,853</b>	<b>3,072</b>	<b>14.4%</b>

**21,309** Ideal Population for City Council District

*Using official redistricting data (2020 Census data adjusted by California's Statewide Database for inmate populations)*



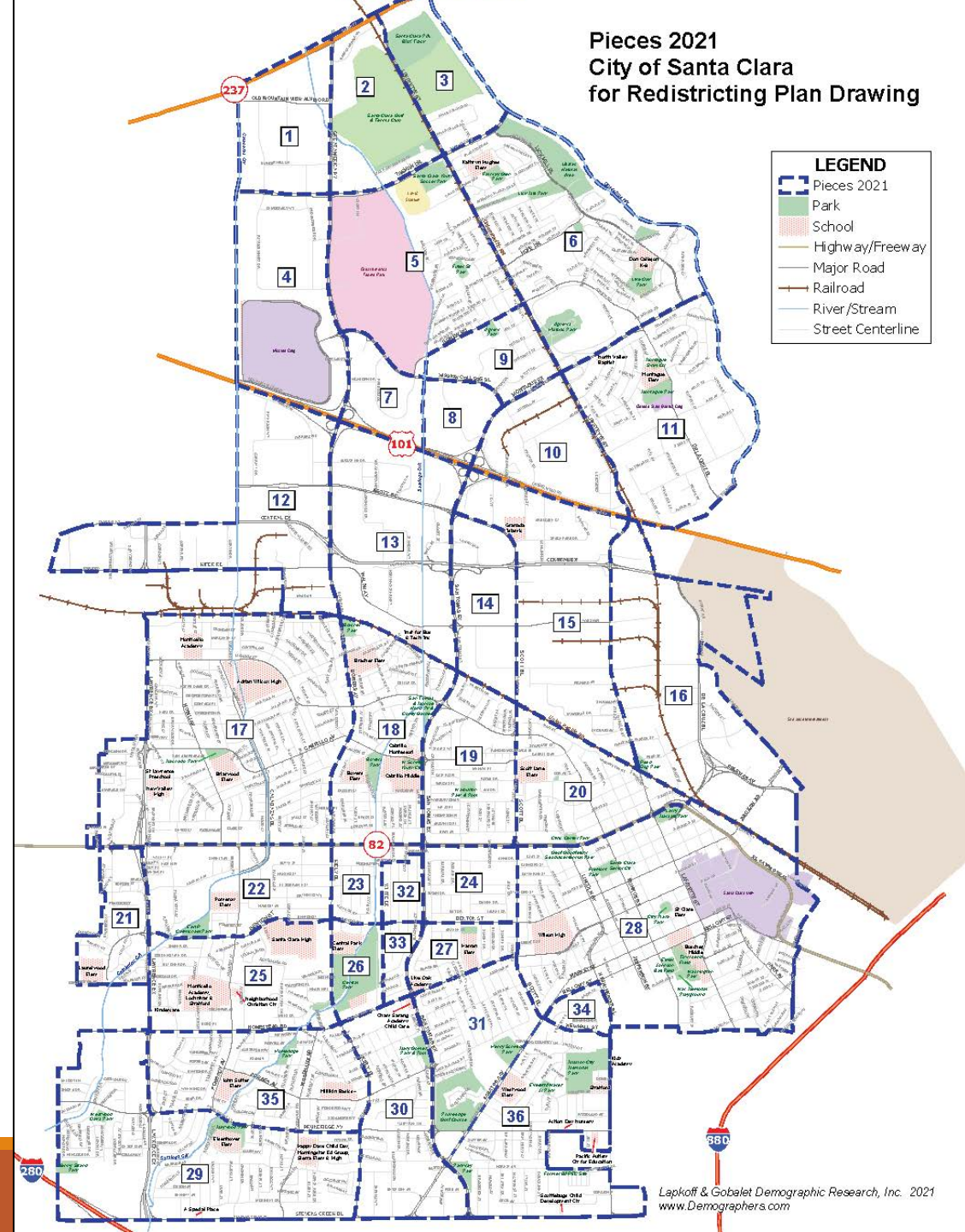
City of Santa Clara  
City Council Districts Map



# Map of “Pieces”

Subareas of the city can be combined to create 6 Council Districts

use pdf version of map for better resolution





# How to Draw Council Districts Using “Pieces”

- 1. Start with “Pieces” map (previous slide or pdf version)**
- 2. Use Excel spreadsheet (.xls or printed version) to assign Pieces to Council districts**

# Top of Assignment table: Summary showing deviation and Citizen Voting Age Population Shares

Fill in the yellow-highlighted column below the pink-highlighted summary at the top. These cells are for your data entry (see yellow-shaded information). The other cells contain data and formulas for the calculations. See Instructions worksheet for details.

in the second worksheet of this file (or the separate pdf map). Pink-shaded area summarizes your plan's characteristics.

Census 2010 Population Balance (equal population requirement)				Citizens of Voting Age Shares				
District	Population	Deviation	Percent Deviation	NH Asian CVAP	NH White CVAP	Hispanic CVAP	NH Other CVAP	Total
1	19,681	-1,628	-7.6%	49%	33%	9%	10%	100%
2	22,752	1,443	6.8%	32%	35%	22%	12%	100%
3	20,879	-430	-2.0%	40%	37%	15%	8%	100%
4	21,564	255	1.2%	35%	41%	17%	7%	100%
5	20,592	-717	-3.4%	20%	51%	20%	9%	100%
6	22,386	1,077	5.1%	33%	50%	10%	7%	100%
Total	127,854		14.4%	33%	42%	16%	9%	100%

Most populous Council district 22,752  
 Least populous Council district 19,681  
 Difference 3,071  
 Ideal Council district population 21,309  
 Plan's Percent Deviation **14.4%**

# Pieces assignment at bottom of Assignment Table

District Assignment	Piece Number	Census 2020 (SWDB) total population	Citizen Voting Age Population					Current plan assignment
			Total CVAP	NH Asian CVAP	NH White CVAP	Hispanic CVAP	NH Other CVAP	
1	1	0	0	0	0	0	0	1
1	2	26	29	4	2	4	19	1
1	3	42	43	11	4	2	26	1
1	4	54	47	19	19	6	3	1
1	5	3,408	2,296	1,203	452	247	394	1
1	6	15,361	7,433	3,627	2,829	444	533	1
1	7	0	0	0	0	0	0	1
1	8	0	0	0	0	0	0	1
1	9	790	678	257	149	228	44	1
2	10	76	53	1	31	9	12	2
2	11	3,694	2,699	1,239	831	388	241	2
2	12	115	33	4	8	4	17	2
2	13	1,523	539	107	218	63	151	2
2	14	31	9	0	1	8	0	2
2	15	442	207	6	22	168	11	2
2	16	138	50	5	5	38	2	2
3	17	18,080	9,996	3,827	3,753	1,598	818	3
2	18	4,693	2,627	691	1,050	500	386	2
2	19	6,140	3,308	1,373	993	688	254	2
2	20	5,900	3,705	783	1,428	1,020	474	2
3	21	2,799	1,303	675	390	128	110	3
4	22	6,501	3,007	1,264	1,039	539	165	4
4	23	1,109	708	263	292	123	30	4
5	24	1,353	949	237	431	256	25	4
4	25	8,714	4,471	1,484	1,762	843	382	4
4	26	404	259	100	95	54	10	4
5	27	1,966	1,272	259	635	219	159	4
5	28	14,748	12,619	2,504	6,452	2,435	1,228	6
6	29	7,541	3,629	1,537	1,632	186	274	5
6	30	5,195	2,943	969	1,455	302	217	5
6	31	4,013	2,388	604	1,405	265	114	5
5	32	778	646	95	378	138	35	4
5	33	802	489	185	194	81	29	4
5	34	945	543	48	260	150	85	6
4	35	4,836	2,841	848	1,476	356	161	5
6	36	5,637	3,847	1,070	1,922	579	276	6

# Live Demonstration

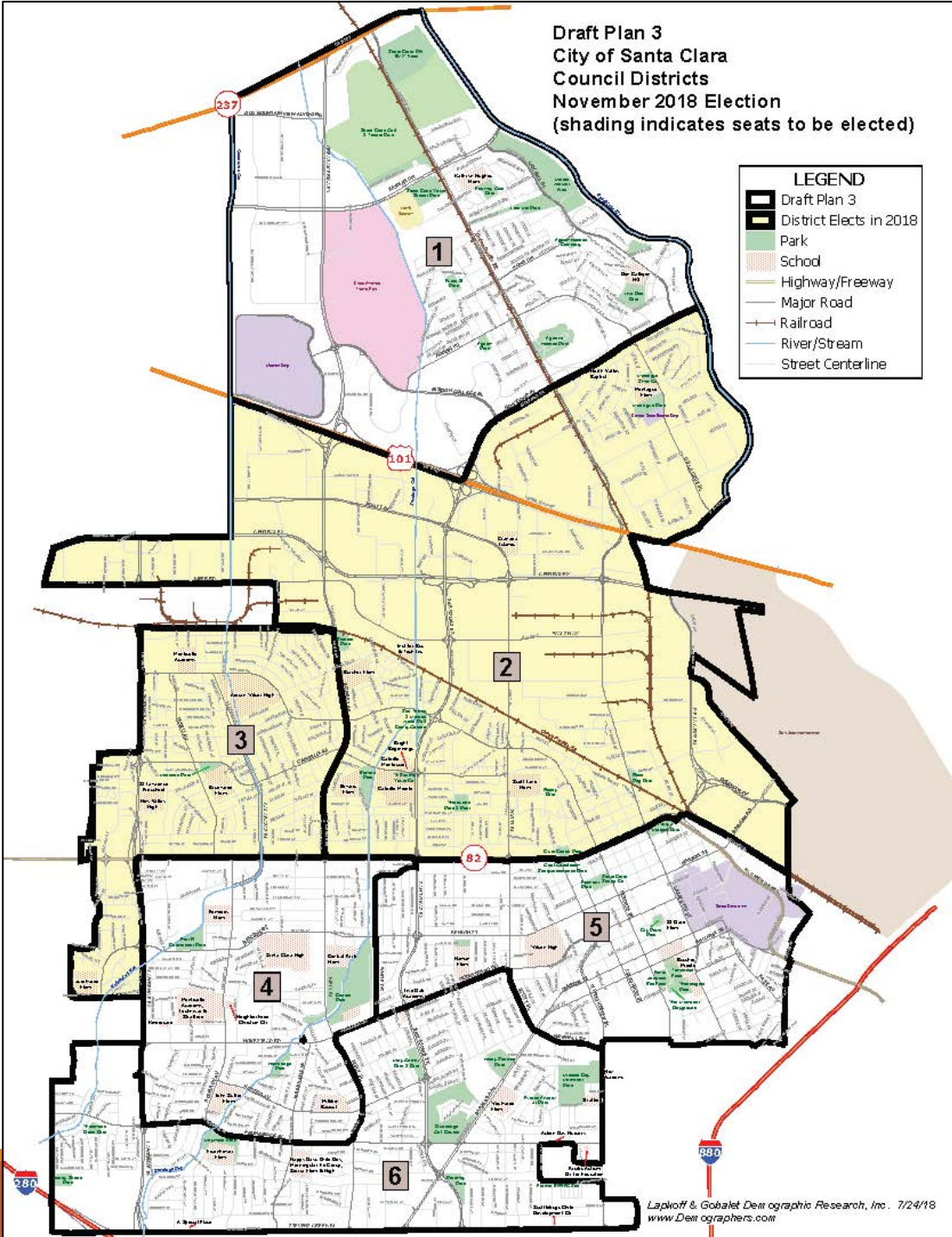
**How to use Pieces calculator to design Council districts**

# Appendix

# California Elections Code Section 21621(a):

*“Following each federal decennial census, and using that census as a basis, the council shall, by ordinance or resolution, adopt boundaries for all of the council districts of the city so that the council districts shall be substantially equal in population as required by the United States Constitution”*

Draft Plan 3  
City of Santa Clara  
Council Districts  
November 2018 Election  
(shading indicates seats to be elected)



# Court-ordered Plan (current Council districts)

Used Nov. 2018 for District  
2 and 3 elections.

Used again in 2020 for  
Districts 1, 4, 5, & 6