

## APPENDIX C—STREET TREE LOCATION SELECTION FOR LARGE STATURE TREES

Appendix B showed a decision tree flowchart for identifying suitable sites for different size trees at maturity (large, medium, or small). However, when actually doing site surveys along city streets to identify sites suitable for large stature trees, we often find that the existing available grow space is not adequate. This Appendix illustrates how such a constraint can be overcome by identifying the POTENTIAL for available tree planting sites to be transformed into suitable sites by removing additional concrete. This is the focus of the tree planting effort within Opportunity #1.

The map on this page shows the DAC (Disadvantaged Communities) census tracts outlined by percentile ranges, with those illustrated with the red overlay as being in the 85% or greater percentile of DAC criteria. This was the initial focus of the tree planting portion of Opportunity #1. The following pages show how available tree planting sites suitable for large stature trees were determined and/or created within this area.



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The chart below shows how “block sides” of Centre Street West, was analyzed from Amar to 14th Street for suitability for planting large stature street trees. The objective was to determine whether there were either existing suitable locations or the POTENTIAL to create suitable locations by removing concrete. The block sides highlighted in red were not suitable. There were two (2) criteria used to determine the potential. One was the presence of overhead powerlines. If yes, then the sites along that block did not have potential regardless of whether the sidewalk was wide enough to cut out a larger grow space area.

If no overhead powerlines then the “Potential Grow Width” column became the determining factor. The minimum grow space width to accommodate large stature trees was 5 ft. Blocks with that potential are highlighted in green.

Blocks	Centre West							Notes/ Analysis - Pot. Large Stature/ Reasons Not	Conc. Cut Req?	Approx. Conc. Cutting Req. - Grow Space "Goals"
	Grow Space Characterization									
	Grow Type	Actual Grow Width	Potential Grow Width	SW Width	OH Util.	Dist. Struct	Azimuth			
Amar to Oliver	TW	<3	5	9	Y	<20	E	Util=Y	N	
Oliver to O'Farrell	P	3	5	9	N	20-40	E	Yes	Y	5 x 10
O'Farrell to Sepulveda	P	3	4	8	N	20-40	E	Maybe	Y	4 x 8
Sepulveda to Santa Cruz	P	4	5	9	N	<20	E	Yes	Y	5 x 10
Santa Cruz to 1st	S	None	5	9	Y	<20	E	Util=Y	N	
1st to 2nd	RP		5	9	Y	<20	E	Util=Y	N	
2nd to 3rd	P	4	5	9	N	20-40	E	Yes	Y	5 x 10
3rd to 4th	NA	NA	NA	NA	NA	NA	NA	NA	N	
4th to 5th	P	4	5	9	N	20-40	E	Yes	Y	5 x 10
5th to 6th	TW	3	<3	6	N	>40	E	PGW=<4	N	
6th to 7th	S	None	<3	6	N	<20	E	PGW=<4	N	
7th to 8th	S	None	<3	6	Y	<20	E	Both	N	
8th to 9th	P	3	4	8	Y	<20	E	Util=Y	N	
9th to 10th	P	3	4	8	Y	<20	E	Util=Y	N	
10th to 11th	P	3	4	8	Y	<20	E	Util=Y	N	
11th to 12th	S	3	4	8	Y	<20	E	Util=Y	N	
12th to 13th	S	3	4	8	Y	20-40	E	Util=Y	N	
13th to 14th	P	3	4	8	Y	<20	E	Util=Y	N	
<b>KEY:</b> Enter one value only for each cell. Enter NA only if there is the block "row" does not exist. Grow Space Width is the POTENTIAL* width based on the width of the existing sidewalk.	P = Parkway	None	<3 ft.	4 ft.	Y	<20 ft.				
	RP = Reverse Parkway	3 ft.	3 ft.	5 ft.	N	20-40 ft.	S = South			
	TW = Tree Well	4 ft.	4 ft.	6 ft.	Y-C = Yes Cable	>40 ft.	E = East			
	S = Sidewalk	5 ft.	5 ft.	7 ft.	DO = Drops Only		S = South			
	P-S = Pkwy/ SW	6 ft.	6 ft.	8 ft.						
	P-TW-S = Pkwy/ Tree Well/SW	>6 ft.	>6 ft.	9 ft.						
RP - S = Rev Pkwy, SW			>= 10 ft.							

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The chart below shows how “block sides” of Centre Street East, was analyzed from Amar to 14th Street for suitability for planting large stature street trees. As with Centre Street West shown on the previous page, the objective was to determine whether there were either existing suitable locations or the POTENTIAL to create suitable locations by removing concrete. As can be seen there were significantly more suitable blocks (highlighted in green) on this side of Centre Street. That was primarily because of the ABSENCE of overhead powerlines. The minimum grow space width to accommodate large stature trees was 5 ft. Blocks with that potential are highlighted in green. The last column shows the maximum size of the tree planting sites that can be created within a given block. Those shown as 4 ft. x 8 ft. are highlighted in yellow because they can only accommodate medium stature trees. The “Distance to Structure” and “Azimuth” columns are used as part of the calculations to determine the amount of “Greenhouse Gas Reduction” (GHG) that can be achieved once trees are planted. Those determinations are required for the CalFire Grant that funded Opportunity #1.

Blocks	Centre East							Notes/ Analysis - Pot. Large Stature/ Reasons Not	Conc. Cut Req?	Approx. Conc. Cutting Req. - Grow Space "Goals"
	Grow Space Characterization									
	Grow Type	Actual Grow Width	Potential Grow Width	SW Width	OH Util.	Dist. Struct	Azimuth			
Amar to Oliver	S	None	4	8	Y-C	<20	W	Maybe	Y	4 x 8
Oliver to O'Farrell	S	None	4	8	N	<20	W	Maybe	Y	4 x 8
O'Farrell to Sepulveda	P	4	5	9	N	<20	W	Yes	Y	5 x 10
Sepulveda to Santa Cruz	P	4	4	8	DO	<20	W	Maybe	N	4 x 8
Santa Cruz to 1st	RP	6	6	10	N	<20	W	Yes	N	NA
1st to 2nd	RP	6	6	10	Y-C	20-40	W	Yes	N	NA
2nd to 3rd	TW	4	4	8	N	<20	W	Maybe	N	4 x 8
3rd to 4th	TW	4	>6	>10	N	<20	W	Yes	Y	6 x 12
4th to 5th	TW	4	5	9	N	<20	W	Yes	Y	5 x 10
5th to 6th	TW	4	5	9	N	<20	W	Yes	Y	5 x 10
6th to 7th	TW	4	5	9	Y	<20	W	Util=Y	N	
7th to 8th	P-S	3	4	8	Y	<20	W	Util=Y	N	
8th to 9th	TW	3	3	7	DO	<20	W	PGW=<4	N	
9th to 10th	P	3	4	8	DO	<20	W	Maybe	Y	4 x 8
10th to 11th	S	None	5	9	DO	<20	W	Yes	Y	5 x 10
11th to 12th	S	None	5	9	DO	<20	W	Yes	Y	5 x 10
12th to 13th	P	3	4	8	DO	<20	W	Maybe	Y	4 x 8
13th to 14th	P	3	4	8	DO	<20	W	Maybe	Y	4 x 8
KEY: Enter one value only for each cell. Enter NA only if there is the block "row" does not exist. Grow Space Width is the POTENTIAL* width based on the width of the existing sidewalk.	P = Parkway	None	<3 ft.	4 ft.	Y	<20 ft.	N = North			
	RP = Reverse Parkway	3 ft.	3 ft.	5 ft.	N	20-40 ft.	S = South			
	TW = Tree Well	4 ft.	4 ft.	6 ft.	Y-C = Yes Cable	>40 ft.	E = East			
	S = Sidewalk	5 ft.	5 ft.	7 ft.	DO = Drops Only		S = South			
	P-S = Pkwy/ SW	6 ft.	6 ft.	8 ft.						
	P-TW-S = Pkwy/ Tree Well/SW	>6 ft.	>6 ft.	9 ft.						
RP - S = Rev Pkwy, SW			>= 10 ft.							