

**ENGINEER'S REPORT  
ANNEXATION NO. 21 TO  
ASSESSMENT DISTRICT NO. 2003-1  
OF THE  
CITY OF SAN JACINTO**

**July 10, 2006**

**ENGINEER'S REPORT  
ANNEXATION NO. 21 TO  
ASSESSMENT DISTRICT NO. 2003-1**

**CITY OF SAN JACINTO**

**Prepared for**  
**CITY OF SAN JACINTO**  
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**TABLE OF CONTENTS**

<i>Part</i>	<i>Page</i>
Introduction.....	1
Part I: Description of the Services to be Financed .....	2
Part II: Description of Assessment District.....	3
Part III: Amount of the Prepared Assessment and Assessment Roll.....	4
Part IV: Basis and Schedule of Assessment .....	6

Exhibits

- A-1: Assessment Diagram
- A-2: Tentative Tract Map for Zone 32
- B: Assessment Roll
- C: Detailed Cost Estimate: Zone 32
- D: Cost of Services Summary
- E: Cash Flow Model: Zone 32

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## **INTRODUCTION**

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In accordance with the Resolution of the City Council of the City of San Jacinto, California, initiating the annexation of certain real property to Assessment District No. 2003-01 (hereinafter referred to as the "Assessment District or AD No. 2003-1"), pursuant to the Benefit Assessment Act of 1982 (hereinafter referred to as the "Resolution of Initiation"), adopted by the City Council of the City of San Jacinto (hereinafter referred to as the "Council"), in connection with the proceedings for Annexation No. 21 to Assessment No. 2003-1, David Taussig & Associates, Inc. herewith submits the Engineer's Report for Annexation No. 21 to AD No. 2003-1 (the "Report"), consisting of four (4) parts as follows:

### **PART I – DESCRIPTION OF THE SERVICES TO BE FINANCED**

A description of the street maintenance services to be provided by the Assessment District for Annexation No. 21 is discussed in this part.

### **PART II – DESCRIPTION OF ASSESSMENT DISTRICT**

A description of the property within each zone of benefit within Annexation No. 21 is contained in this part of the Report.

### **PART III – AMOUNT OF THE PROPOSED ASSESSMENT AND ASSESSMENT ROLL**

This part includes the amount of the proposed assessment.

### **PART IV – BASIS AND SCHEDULE OF ASSESSMENT**

This part discusses the methodology used to allocate the assessment based on the benefit received by property within Annexation No. 21.

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## **PART I. DESCRIPTION OF THE SERVICES TO BE FINANCED**

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The Assessment District is intended to finance the costs associated with the maintenance of interior streets within the boundaries of Annexation No. 21, including street sweeping, slurry seal, grind and overlay of existing pavement, and replacement of damaged curb, sidewalk, and pavement. Each type of service is described below.

### **Street Sweeping**

This service shall consist of cleaning the streets within Annexation No. 21 by City of San Jacinto ("City") forces or by contract with outside forces. The streets will be cleaned on a monthly basis, consistent with the current level of service for existing streets within the City limits.

### **Slurry Seal**

This service shall consist of providing a slurry seal, or asphaltic coating over pavement areas within Annexation No. 21 on an average interval of four years. The service shall be performed by City forces or by public works contract, and shall include all required striping and traffic control associated with the work. Slurry seal operations will not occur in interval years where grind and overlay or replacement activities, as described below, are scheduled.

### **Grind and Overlay**

This service shall consist of grinding out the upper 2 inches (approximately) of asphalt paving and replacing with a new layer of asphalt, on an average interval of twelve years. The service shall be performed by City forces or by public works contract, and shall include all required striping and traffic control associated with the work. Grinding and overlay operations shall not occur within interval years where Remove and Reconstruct operations, as described below, are scheduled.

### **Remove and Reconstruct**

It is estimated that approximately every 36 years the asphaltic layer of the pavement structural section will need to be removed and replaced. In addition it is assumed that 10% of curb and sidewalk improvements will need to be repaired or replaced, due to normal damage and deterioration. This service shall consist of such removals and replacements and shall be performed by City forces or by public works contract, and shall include all required striping and traffic control associated with the work.

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## **PART II. DESCRIPTION OF ASSESSMENT DISTRICT**

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For purposes of determining the benefits associated with the costs of services provided by the Assessment District, Annexation No. 21 has been divided into one zone of benefit ("Zone") based on location as described below and shown on the assessment diagram located in Exhibit A-1.

### **Zone 32**

Zone 32 consists of tentative Tract No. 31294, Assessor Parcel Number ("APN") 431-160-005. Tentative Tract No. 31294 encompasses approximately 9.55 acres, and includes 37 residential lots. A map of tentative Tract No. 31294 is provided in Exhibit A-2.

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### **PART III. AMOUNT OF THE PREPARED ASSESSMENT AND ASSESSMENT ROLL**

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WHEREAS, the City Council pursuant to Resolution No. 2485, dated November 6, 2003, formed AD No. 2003-1 pursuant to the Benefit Assessment District Act of 1982 (the "Act") for the purpose of annually levying assessments on all land within the Assessment District to pay the costs of street, road and highway maintenance within said district; and

WHEREAS, the City Council has now determined that certain property that will receive the benefit of such maintenance should be annexed to the Assessment District; and

WHEREAS, previously the City Council of the City of San Jacinto, California, did, pursuant to the provisions of the Benefit Assessment Act of 1982, adopt its Resolution of Initiation, for the purpose of annually levying assessments for the maintenance of streets, roads and highways within Annexation No. 21, and,

WHEREAS, said Resolution of Initiation, as required by law, did direct the City Engineer to prepare or cause to be prepared and file a Report, regarding the proposed Annexation No. 21 to AD No. 2003-1 and the assessments to be levied on the land therein to pay the estimated annual costs of the street, road and highway maintenance.

For particulars, reference is made to the resolution forming AD No. 2003-1 and the Resolution of Initiation as previously adopted, and

NOW, THEREFORE, David Taussig and Associates, Inc., at the direction of the City Engineer, pursuant to the Benefit Assessment Act of 1982, does hereby submit the following:

1. Pursuant to the provisions of law and the Resolution of Initiation, the costs and expenses of the street maintenance to be performed in Annexation No. 21 to the Assessment District have been assessed upon the parcels of land in Annexation No. 21 to the Assessment District benefited thereby in direct proportion and relation to the estimated benefits to be received by each of said parcels.
2. A diagram is attached in Exhibit A-1, showing Annexation No. 21 to the Assessment District, as well as the boundaries of the respective parcels and subdivisions of land within said Annexation No. 21 to the Assessment District as the same existed at the time of the passage of said Resolution of Initiation, each of which subdivisions of land or parcels or lots respectively have been identified by Assessor Parcel Number upon said Diagram and in said Assessment Roll.
3. An Assessment Roll is attached in Exhibit B, containing the maximum assessment per lot for fiscal year 2006-2007. Notwithstanding the above, the City will not levy an assessment for services related to road facilities that have not been accepted for maintenance by the City.

4. By virtue of the authority contained in said Benefit Assessment Act of 1982 and by further direction and order of the legislative body, the following assessment is hereby made to cover the costs and expenses of the street maintenance for Annexation No. 21 to the Assessment District based on the costs and expenses, as set forth in Part IV:

<b>Zone</b>	<b>FY 2006-07 Total Annual Assessment</b>	<b>No. of Residential Lots [1]</b>	<b>FY 2006-07 Assessment per Residential Lot [1]</b>
32	\$9,101	37	\$245.97
[1] If total number of lots within a Zone changes based on recordation of final maps, the total annual cost will be reallocated to the actual number of residential lots within such Zone.			

The maximum amount of such annual assessment for the Assessment District shall increase annually beginning July 1, 2007, by an amount equal to the percentage change in the Engineering News-Record Construction Cost Index for Los Angeles, measured as of the month of December in the calendar year which ends in the previous fiscal year, with a maximum annual increase of six percent (6.00%) and a minimum annual increase of zero percent (0.00%) of the amount in effect in the previous fiscal year.

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## **PART IV. BASIS AND SCHEDULE OF ASSESSMENT**

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Assessments levied pursuant to the Benefit Assessment Act of 1982 must be based on the benefit to the parcel, which will be derived from the provision of the services. The services to be financed by the assessments levied within each Zone are the maintenance of interior streets within such Zone. Therefore, the services financed by a given Zone provide direct and special benefit to property within such Zone.

Typically, identification of the benefits associated with maintenance services is the first step in developing the assessment spread methodology. The Assessment District will provide short term and long term maintenance of the streets within each Zone. The resulting benefits to the residential lots within each Zone consist of, but are not limited to:

1. Safe vehicular and pedestrian access; and
2. Clean and presentable streets and gutters.

In order to allocate the assessments in proportion to the direct benefits that each parcel will receive from the services, an in-depth analysis was performed for each Zone since each Zone has its own interior street facilities. The analysis entailed three component tasks: (1) identification of service costs, (2) allocation of costs, and (3) calculation of assessments, as described below.

### **Costs of Services**

Maintenance costs for each type of service were calculated for each Zone based on the paving area, length of curb, and area of sidewalk within such Zone as determined from available maps and improvement plans, and unit prices as discussed below.

The unit price per curb-mile per year was calculated using the City's current annual budget for street sweeping divided by the monthly service (in curb-miles). This unit price is applied to the total curb-miles for the annexed Zone.

Weighted average unit prices were applied to construction items such as slurry seal, asphalt paving, concrete curb, and concrete sidewalk based on data from recent projects of similar size within the same geographic area. Other items such as traffic control, striping, and mobilization were added as lump sum items to more closely approximate total bid prices. A summary of the cost estimates for the annexed Zone is provided in Exhibit C.

Ten percent was added to the estimated maintenance costs for construction administration. An additional \$22.08 per single-family residential lot was added for annual administration of Annexation No. 21 to the Assessment District. The cost of services is summarized in Exhibit D.

### Allocation of Cost

Zone 32 is expected to be developed with single-family residential lots which will receive the primary benefit from the maintenance of interior street facilities within such zone. Therefore, the cost of services for such Zone is allocated equally to each single-family residential lot within the Zone.

### Annual Assessment

In order to determine the annual assessment for each Zone, a 36-year cash flow was prepared for Zone 32 (see Exhibit E). The cash flow sets forth the expected annual assessment revenue along with the projected annual cost for each type of service based on the costs identified in Part IV above and the service intervals described in Part I, assuming that the revenues and costs escalate by an average rate of 3.1% per year. As not all services are provided each year, the amount of funds required from a particular Zone will vary from year to year. The fiscal year 2006-07 annual assessment was calculated such that the annual assessment revenues in any year plus the expected fund balance remaining from previous annual assessments will provide sufficient revenue to fund the services required in any given year, assuming that revenues and costs escalate by an average rate of 3.1% per year.

The following table sets forth the total fiscal year 2006-07 assessment for the annexed Zone as well as the fiscal year 2006-07 maximum assessment per residential lot.

### Schedule of Assessments

<b>Zone</b>	<b>FY 2006-07 Total Annual Assessment [1]</b>	<b>No. of Residential Lots [2]</b>	<b>FY 2006-07 Assessment per Residential Lot [1, 2]</b>
32	\$9,101	37	\$245.97

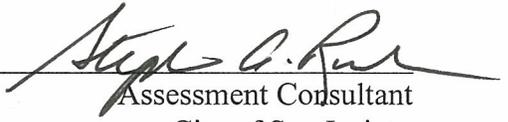
[1] Annual Assessments are subject to annual escalations between 0% and 6% per year.  
[2] If total number of lots within a Zone changes based on recordation of final maps, the total annual cost will be reallocated to the actual number of residential lots within such Zone.

In conclusion, it is my opinion that the assessments for the above-referenced Assessment District have been spread in direct accordance with the benefits that each parcel receives from the street maintenance services.

Dated: July 10, 2006.



David Taussig and Associates, Inc.

  
Assessment Consultant  
City of San Jacinto  
County of Riverside  
State of California

I, Dorothy L. Chouinard, City Clerk of the City of San Jacinto, California do hereby certify that the foregoing assessment, together with the Diagram attached thereto, was filed in my office on the 11<sup>th</sup> day of July 2006.

  
Dorothy L. Chouinard  
City Clerk of the City of San Jacinto  
County of Riverside  
State of California

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**EXHIBIT A-1**

**ENGINEER'S REPORT**

**ASSESSMENT DIAGRAM**

ASSESSMENT DIAGRAM  
ANNEXATION NO. 21 TO  
ASSESSMENT DISTRICT NO. 2003-1  
CITY OF SAN JACINTO  
COUNTY OF RIVERSIDE  
STATE OF CALIFORNIA

Filed in the office of the City Clerk of the City of San Jacinto  
this \_\_\_\_ day of \_\_\_\_\_, 2006.

\_\_\_\_\_  
Dorothy L. Chouinard, San Jacinto City Clerk

An assessment was levied by the City Council of the City of San Jacinto on the lots, pieces, and parcels of land shown on this assessment diagram. Said assessment was levied on the \_\_\_\_th day of \_\_\_\_\_, 2006. Said assessment diagram and the assessment roll were recorded in the office of the City Clerk of San Jacinto on the \_\_\_\_ day of \_\_\_\_\_, 2006. Reference is made to the assessment roll recorded in the office of the San Jacinto City Clerk for the exact amount of each assessment levied against each parcel of land shown on this assessment diagram.

\_\_\_\_\_  
Dorothy L. Chouinard, San Jacinto City Clerk

Filed this \_\_\_\_ day of \_\_\_\_\_, 2006, at the hour of \_\_\_\_ o'clock \_\_\_\_ m, in Book \_\_\_\_ of Maps of Assessment and Community Facilities Districts at page \_\_\_\_ and as Instrument No. \_\_\_\_ in the office of the County Recorder of Riverside County, State of California.

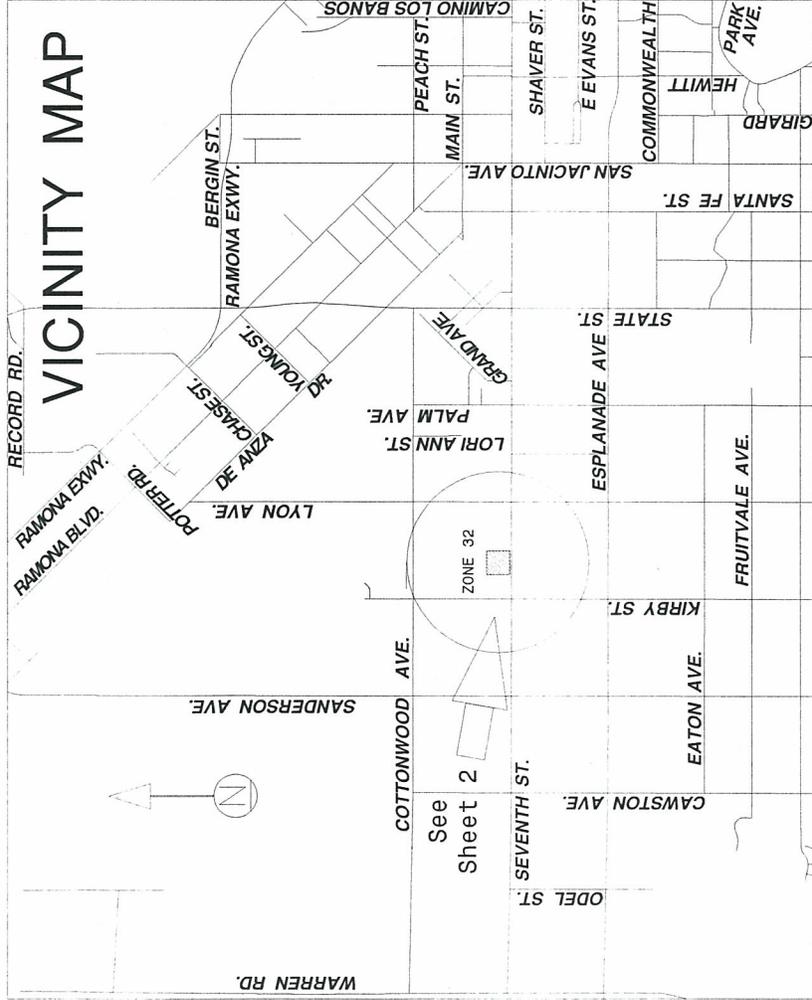
Larry W. Ward  
Assessor-County Clerk-Recorder of Riverside County

By \_\_\_\_\_ Deputy

Fee \_\_\_\_\_

Exempt recording requested, per CA Government Code §6103

Reference is hereby made to that certain map entitled "Assessment Diagram, Assessment District No. 2003-1, City of San Jacinto, County of Riverside, State of California," filed the 23rd day of December, 2003, at the hour of 8 o'clock a.m. in Book 55 at page 64, and as instrument number 2003-998200 in the office of the County Recorder of the County of Riverside, State of California, which this Annexation Diagram affects.

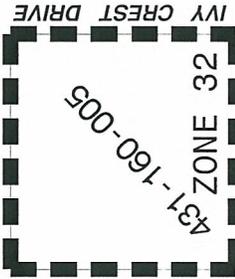


ASSESSMENT DIAGRAM  
ANNEXATION NO. 21 TO  
ASSESSMENT DISTRICT NO. 2003-1  
CITY OF SAN JACINTO  
COUNTY OF RIVERSIDE  
STATE OF CALIFORNIA

COTTONWOOD AVENUE

KIRBY ST.

LYON AVENUE



SEVENTH ST.



Reference is hereby made to the Assessor maps of the County of Riverside for a description of the lines and dimensions of each lot and parcel.

LEGEND

 Zone 32 Boundaries of Annexation No. 21 to Assessment District No. 2003-1 San Jacinto, Riverside County, CA  
 Assessor Parcel Line  
**431-160-005** Assessor Parcel Number

**EXHIBIT A-2**

**ENGINEER'S REPORT**

**TENTATIVE TRACT MAP FOR ZONE 32**



**EXHIBIT B**

**ENGINEER'S REPORT**

**ASSESSMENT ROLL**

**City of San Jacinto  
Annexation No. 21 to  
Assessment District No. 2003-1  
FY 2006-07 Assessment Roll**

<u>APN</u>	<u>Tract</u>	<u>Lot</u>	<u>FY 2006-07 Assessment</u>
<b>Zone 32</b>			
431-160-005	31294	1	\$245.97
431-160-005	31294	2	\$245.97
431-160-005	31294	3	\$245.97
431-160-005	31294	4	\$245.97
431-160-005	31294	5	\$245.97
431-160-005	31294	6	\$245.97
431-160-005	31294	7	\$245.97
431-160-005	31294	8	\$245.97
431-160-005	31294	9	\$245.97
431-160-005	31294	10	\$245.97
431-160-005	31294	11	\$245.97
431-160-005	31294	12	\$245.97
431-160-005	31294	13	\$245.97
431-160-005	31294	14	\$245.97
431-160-005	31294	15	\$245.97
431-160-005	31294	16	\$245.97
431-160-005	31294	17	\$245.97
431-160-005	31294	18	\$245.97
431-160-005	31294	19	\$245.97
431-160-005	31294	20	\$245.97
431-160-005	31294	21	\$245.97
431-160-005	31294	22	\$245.97
431-160-005	31294	23	\$245.97
431-160-005	31294	24	\$245.97
431-160-005	31294	25	\$245.97
431-160-005	31294	26	\$245.97
431-160-005	31294	27	\$245.97
431-160-005	31294	28	\$245.97
431-160-005	31294	29	\$245.97
431-160-005	31294	30	\$245.97
431-160-005	31294	31	\$245.97
431-160-005	31294	32	\$245.97
431-160-005	31294	33	\$245.97
431-160-005	31294	34	\$245.97
431-160-005	31294	35	\$245.97
431-160-005	31294	36	\$245.97
431-160-005	31294	37	\$245.97

**Total Assessment for Zone 32: \$9,100.89**

**Total FY 2006-07 Assessment: \$9,100.89**

**EXHIBIT C**

**ENGINEER'S REPORT**

**DETAILED COST ESTIMATE : ZONE 32**

Detailed Cost Estimate  
City of San Jacinto  
AD No. 2003-1, Annexation No. 21  
Zone 32  
Tract No. 31294

	Curb Length	Curb-Miles	Cost Per Curb-Mile	Annual Cost
Street Sweeping	3,751	0.71	\$194.08	<b>\$137.88</b>

	Quantity	Units	Unit Price	Cost
Slurry Seal:				
Mobilization	1	l.s.	\$2,695.57	\$2,696
Place slurry seal	58,266	s.f.	\$0.11	\$6,282
Crack Seal @ 20% of slurry seal cost	-	l.s.	\$0.00	\$1,256
Striping	1	l.s.	\$2,695.57	\$2,696
Traffic Control	1	l.s.	\$2,695.57	\$2,696
			<b>Total</b>	<b>\$15,626</b>

	Quantity	Units	Unit Price	Cost
Grind and Overlay				
Mobilization	1	l.s.	\$4,312.92	\$4,313
Grind	58,266	s.f.	\$0.03	\$1,885
0.15' asphaltic concrete paving overlay	612	tons	\$37.74	\$23,088
Striping	1	l.s.	\$2,695.57	\$2,696
Traffic Control	1	l.s.	\$2,695.57	\$2,696
			<b>Total</b>	<b>\$34,677</b>

	Quantity	Units	Unit Price	Cost
Remove and Reconstruct				
Mobilization	1	l.s.	\$10,782.30	\$10,782
Remove concrete curb @ 10% of total quantity	375	l.f.	\$1.08	\$404
Remove sidewalk @ 10% of total quantity	2,063	s.f.	\$0.16	\$334
Grind 0.33' AC paving	58,266	s.f.	\$0.07	\$4,209
construct 6" curb @10% of total quantity	375	l.f.	\$8.19	\$3,074
construct 6' wide sidewalk @ 10% of total quantity	2,063	s.f.	\$1.89	\$3,893
construct 0.25' AC paving	1,020	tons	\$37.74	\$38,480
Striping	1	l.s.	\$2,695.57	\$2,696
Traffic control	1	l.s.	\$2,695.57	\$2,696
			<b>Total</b>	<b>\$66,567</b>

**EXHIBIT D**

**ENGINEER'S REPORT**

**COST OF SERVICES SUMMARY**

Cost of Services Summary  
 City of San Jacinto  
 AD No. 2003-1, Annexation No. 21

		Component Costs per Occurrence [1]							
Zone	No. of Lots	Curb-Miles	Paving Area (SF)	Street Sweeping	Slurry Seal	Grind and Overlay	Remove & Reconstruct	Construction Administration (10%)	FY 2006-07 District Admin [2]
32	37	0.71	58,266	\$138	\$15,626	\$34,677	\$66,567	\$652	\$817

[1] Refer to Exhibit C for details of the cost calculations.

[2] An additional \$22.08 per single family residential lot was added for annual administration of Annexation No. 21 to the Assessment District.

**EXHIBIT E**

**ENGINEER'S REPORT**

**CASH FLOW MODEL : ZONE 32**

Street Maintenance Allocation [1]  
City of San Jacinto  
AD No. 2003-1, Annexation No. 21  
Zone 32  
Tract No. 31294

Year	FY Beginning	Projected Annual Assessment Revenue	Street Sweeping	Slurry Seal	Grind and Overlay	Remove & Reconstruct	Construction Administration	District Admin	Total Annual Expenditure	Fund Balance (Revenue Minus Cost)
1	2006	\$9,101	\$138				\$14	\$817	\$969	\$8,132
2	2007	\$9,383	\$142				\$14	\$842	\$999	\$16,517
3	2008	\$9,674	\$147				\$15	\$868	\$1,030	\$25,161
4	2009	\$9,974	\$151	\$17,124			\$1,728	\$895	\$19,898	\$15,237
5	2010	\$10,283	\$156				\$16	\$923	\$1,094	\$24,426
6	2011	\$10,602	\$161				\$16	\$952	\$1,128	\$33,899
7	2012	\$10,931	\$166				\$17	\$981	\$1,163	\$43,666
8	2013	\$11,269	\$171	\$19,349			\$1,952	\$1,012	\$22,483	\$32,453
9	2014	\$11,619	\$176				\$18	\$1,043	\$1,237	\$42,835
10	2015	\$11,979	\$181				\$18	\$1,075	\$1,275	\$53,539
11	2016	\$12,350	\$187				\$19	\$1,109	\$1,314	\$64,575
12	2017	\$12,733	\$193		\$48,516		\$4,871	\$1,143	\$54,723	\$22,585
13	2018	\$13,128	\$199				\$20	\$1,178	\$1,397	\$34,316
14	2019	\$13,535	\$205				\$21	\$1,215	\$1,441	\$46,410
15	2020	\$13,954	\$211				\$21	\$1,253	\$1,485	\$58,879
16	2021	\$14,387	\$218	\$24,701			\$2,492	\$1,291	\$28,702	\$44,564
17	2022	\$14,833	\$225				\$22	\$1,331	\$1,579	\$57,818
18	2023	\$15,293	\$232				\$23	\$1,373	\$1,628	\$71,483
19	2024	\$15,767	\$239				\$24	\$1,415	\$1,678	\$85,572
20	2025	\$16,256	\$246	\$27,909			\$2,816	\$1,459	\$32,431	\$69,397
21	2026	\$16,760	\$254				\$25	\$1,504	\$1,784	\$84,373
22	2027	\$17,279	\$262				\$26	\$1,551	\$1,839	\$99,813
23	2028	\$17,815	\$270				\$27	\$1,599	\$1,896	\$115,732
24	2029	\$18,367	\$278		\$69,982		\$7,026	\$1,649	\$78,935	\$55,164
25	2030	\$18,936	\$287				\$29	\$1,700	\$2,015	\$72,085
26	2031	\$19,523	\$296				\$30	\$1,753	\$2,078	\$89,530
27	2032	\$20,129	\$305				\$30	\$1,807	\$2,142	\$107,517
28	2033	\$20,753	\$314	\$35,630			\$3,594	\$1,863	\$41,402	\$86,867
29	2034	\$21,396	\$324				\$32	\$1,921	\$2,277	\$105,986
30	2035	\$22,059	\$334				\$33	\$1,980	\$2,348	\$125,697
31	2036	\$22,743	\$345				\$34	\$2,042	\$2,421	\$146,020
32	2037	\$23,448	\$355	\$40,258			\$4,061	\$2,105	\$46,780	\$122,688
33	2038	\$24,175	\$366				\$37	\$2,170	\$2,573	\$144,290
34	2039	\$24,924	\$378				\$38	\$2,237	\$2,653	\$166,562
35	2040	\$25,697	\$389				\$39	\$2,307	\$2,735	\$189,524
36	2041	\$26,494	\$401			\$193,782	\$19,418	\$2,378	\$215,980	\$38
Totals		\$587,548	\$8,901	\$164,972	\$118,498	\$193,782	\$48,615	\$52,742	\$587,510	

Number of Single Family Residential Lots	37
Year 1 Cost per Residential Lot	\$245.97

[1] Assumes costs and annual assessment revenue escalate at an average rate of 3.1%.