



ILS ASSOCIATES, INC.
CIVIL ENGINEERING AND LAND SURVEYING

FILE COPY

AMENDED ENGINEER'S REPORT
WILDWOOD/CROCKER AVENUES
UNDERGROUNDING ASSESSMENT DISTRICT
PIEDMONT, CALIFORNIA

MARCH 25, 2005
JOB NO. 6915.08

BY:

IRVING L. SCHWARTZ
R.C.E. 18221



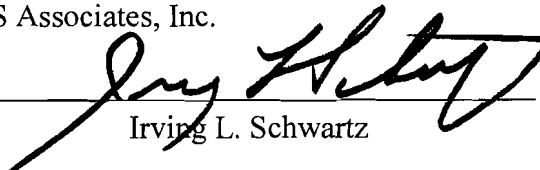
AMENDED ENGINEER'S REPORT

Wildwood/Crocker Avenues
Undergrounding Assessment District

The undersigned respectfully submits this Engineer's Report, including Exhibits A through G, inclusive, as directed by the City Council of the City of Piedmont.

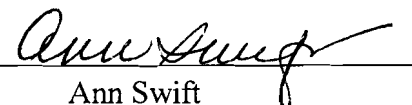
Dated: March 25, 2005

IRVING L. SCHWARTZ
ILS Associates, Inc.

By 
Irving L. Schwartz

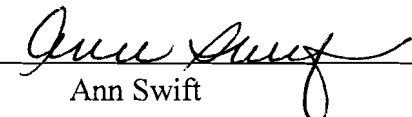
I HEREBY CERTIFY that this Engineer's Report, including Exhibits A through G, inclusive, was filed with me on the 25 day of March, 2005.

ANN SWIFT
City Clerk
City of Piedmont

By 
Ann Swift

I HEREBY CERTIFY that this Engineer's Report, including Exhibits A through G, inclusive, was approved and confirmed by resolution of the City Council of the City of Piedmont adopted on the 23 day of May, 2005.

ANN SWIFT
City Clerk
City of Piedmont

By 
Ann Swift

I HEREBY CERTIFY that this Engineer's Report, including Exhibits A through G, inclusive, was recorded in my office on the 26 day of May, 2005.

LAWRENCE A. ROSENBERG
Director of Public Works
City of Piedmont

By 
Lawrence A. Rosenberg

AMENDED ENGINEER'S REPORT

Wildwood/Crocker Avenues
Undergrounding Assessment District

ILS ASSOCIATES, INC., as Engineer of Work for the Wildwood/Crocker Avenues Undergrounding Assessment District, City of Piedmont, California, makes this report, as directed by the City Council of the City of Piedmont, pursuant to Section 10204 of the Streets and Highways Code (as part of the Municipal Improvement Act of 1913, Sections 10000 and following, Streets and Highways Code; hereafter the "1913 Act").

The improvements which are the subject of this report are briefly described as follows:

the undergrounding of existing overhead utility facilities and removal of the existing poles and related above-ground facilities, together with appurtenant work and improvements and including incidental costs and expenses of project design and construction supervision, legal proceedings, and bond financing.

This report includes the following exhibits:

Exhibit A - Plans and Specifications for the Undergrounding Project. These documents are on file in the offices of the City of Piedmont Department of Public Works.

Exhibit B - An Engineer's Estimate of Probable Cost, setting forth an estimate of the costs and expenses of the improvements, related project design and construction supervision, and other incidental expenses of the legal proceedings and bond financing.

Exhibit C - An Assessment Roll, showing the amount proposed to be specially assessed against each benefited parcel of real property within this assessment district. Each parcel proposed to be assessed is described by County Assessor's parcel number, and each such

parcel is further assigned a separate "assessment number" for purposes of these assessment proceedings, as shown on the Assessment Diagram included herein as Exhibit F.

Exhibit D - A "Method of Assessment Spread," providing a statement of the method by which the undersigned determined the amount proposed to be assessed against each parcel, based on estimated benefits to be derived by each parcel from the improvements.

Exhibit E - An "Owner's List," providing a list of the names and addresses of the owners of the parcels of real property within this assessment district, as shown on the County Assessor's last equalized assessment roll, or as known to the undersigned. The list is cross-referenced to Exhibit F by assessment number of each parcel.

Exhibit F - An Assessment Diagram, showing all of the parcels of real property within this assessment district to be assessed. The Assessment Diagram assigns a separate "assessment number" to each such parcel, and is the basis for Exhibits C and E with respect to identification of parcels.

Exhibit G - A statement regarding the proposed maximum annual assessment for on-going costs and expenses in connection with administration of the unpaid assessments and the limited obligation bonds to be issued upon the security of said unpaid assessments, as provided by subparagraph (f) of Section 10204 of the 1913 Act.

Limited obligation improvement bonds, representing unpaid assessments, and bearing interest at a rate not to exceed twelve percent (12%) per annum, shall be issued in the manner provided by the Improvement Bond Act of 1915 (Sections 8500 and following, Streets and Highways Code). The last installment of the bonds shall mature not to exceed twenty-nine (29) years from the second day of September next succeeding twelve (12) months from their date.

Respectfully submitted,
ILS ASSOCIATES, INC.

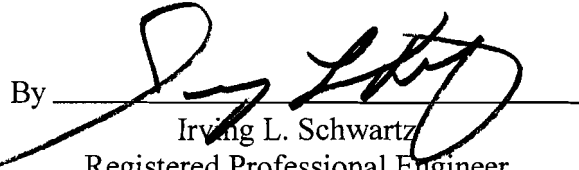
By 
Irving L. Schwartz
Registered Professional Engineer

EXHIBIT A

PLANS AND SPECIFICATIONS

These documents are on file in the offices of the City of Piedmont
Department of Public Works.

EXHIBIT B

WILDWOOD/CROCKER AVENUES
UNDERGROUNDING ASSESSMENT DISTRICT
CITY OF PIEDMONT
ALAMEDA COUNTY, CALIFORNIA

ENGINEER'S ESTIMATE OF PROBABLE COST
(26 Parcels)

MARCH 18, 2005

I. Estimated Construction Costs

ITEM NO.	DESCRIPTION	UNIT MEAS.	EST. QUAN.	UNIT PRICE	AMOUNT
1	Mobilization	LS		\$ 27,000.00	\$ 27,000.00
2	Traffic Control	LS		\$ 15,500.00	\$ 15,500.00
3	Utility Trench J1-44 ¹	LF	2,369	\$ 60.00	\$ 142,140.00
4	Utility Trench ²	LF	999	\$ 40.00	\$ 39,960.00
5	2" Conduit	LF	11,324	\$ 2.00	\$ 22,648.00
6	3" Conduit	LF	564	\$ 4.50	\$ 2,538.00
7	4" Conduit	LF	5,731	\$ 5.00	\$ 28,655.00
8	6" Conduit	LF	3,074	\$ 5.25	\$ 16,138.50
9	Type 2 Electric Box	EA.	14	\$ 620.00	\$ 8,680.00
10	Type 3 Electric Box	EA.	7	\$ 840.00	\$ 5,880.00
11	Type 5 Electric box	EA.	4	\$ 2,620.00	\$ 10,480.00
12	Type 7 Electric box	EA.	2	\$ 5,320.00	\$ 10,640.00
13	T-1 Telephone Box	EA.	20	\$ 205.00	\$ 4,100.00
14	T-2 Telephone Box	EA.	1	\$ 665.00	\$ 665.00
15	T-4 Telephone Box	EA.	2	\$ 875.00	\$ 1,750.00
16	T-5 Telephone Box	EA.	1	\$ 1,150.00	\$ 1,150.00
17	GLB2448 Cable Television Box	EA.	3	\$ 860.00	\$ 2,580.00
18	GLB1836 Cable Television Box	EA.	1	\$ 768.00	\$ 768.00
19	GLB1730 Cable Television Box	EA.	11	\$ 470.00	\$ 5,170.00
20	Street Light Box	EA.	11	\$ 215.00	\$ 2,365.00
21	Street Light	EA.	11	\$ 5,640.00	\$ 62,040.00
22	Trench Paving	LS		\$ 68,000.00	\$ 68,000.00
CONSTRUCTION COST SUBTOTAL					\$ 478,847.50
CONSTRUCTION CONTINGENCY ALLOWANCE (15% +/-)					\$ 71,753.50
<u>UTILITY AGENCY COSTS</u>					
1	PG&E	Lump Sum	---	---	\$ 399,638.00
2	SBC	Lump Sum	---	---	\$ 14,154.00
3	Comcast	Lump Sum	---	---	\$ -
SUBTOTAL					\$ 413,792.00

3/18/05

2005/6915/PrelimEngEst_031805.xls

EXHIBIT B

WILDWOOD/CROCKER AVENUES
UNDERGROUNDING ASSESSMENT DISTRICT
CITY OF PIEDMONT
ALAMEDA COUNTY, CALIFORNIA

ENGINEER'S ESTIMATE OF PROBABLE COST (Cont.)
(26 Parcels)

TOTAL ESTIMATED CONSTRUCTION COSTS
AND CONTINGENCY ALLOWANCE \$ 964,393.00

ITEM NO.	DESCRIPTION	AMOUNT
II. ESTIMATED INCIDENTAL EXPENSES		
1	Assessment Engineering Fees	\$ 11,000.00
2	Civil Engineering Fees	\$ 42,400.00
3	Project Inspector	\$ 20,000.00
4	Construction Contract Administration	\$ 4,000.00
5	Bond Counsel	\$ 20,000.00
6	Fiscal Agent Fee	\$ 2,500.00
7	Official Statement Printing	\$ 1,000.00
8	Underwriter's Discount (1.5%)	\$ 13,440.00
9	Disclosure Counsel	\$ 12,500.00
10	Recording/Filing Fees	\$ 1,000.00
11	Contract Document Reproduction	\$ 4,253.00

TOTAL ESTIMATED INCIDENTAL EXPENSES \$ 132,093.00

TOTAL PROJECT COST INCLUDING INCIDENTAL EXPENSES \$ 1,096,486.00

LESS: RULE 20A CONTRIBUTION \$ (7,500.00)

LESS: CONTRIBUTION FROM PG&E \$ (153,652.00)

LESS: CONTRIBUTION FROM COMCAST \$ (89,510.00)

TOTAL CONTRIBUTIONS \$ (250,662.00)

TOTAL PROJECT COST LESS CONTRIBUTION \$ 845,824.00

CAPITALIZED INTEREST (3 MONTHS @ 6% PER ANNUM) \$ 13,440.00

RESERVE FUND (1/2 MAX. ANNUAL DEBT SVS.= 4.10%) \$ 36,736.00

TOTAL OF BOND ISSUE & TOTAL TO BE ASSESSED \$ 896,000.00

City of Piedmont
Wildwood/Crocker Avenues
Underground Assessment District

BASE BID PROPOSAL
W. R. FORDE ASSOC.

Item	Description	Est. Qty.	Unit	Unit Cost	Total Cost
1.	Mobilization		LS	25,000	25,000
2.	Traffic Control		LS	10,000	10,000
3.	*Utility Trench J1-44 ¹	2,369	LF	\$ 45-	\$ 106,605
4.	*Utility Trench ²	999	LF	\$ 33-	\$ 32,967
5.	*2" Conduit	14,688	LF	\$ 4-	\$ 58,752
6.	*3" Conduit	586	LF	\$ 5-	\$ 2,930
7.	*4" Conduit	5,709	LF	\$ 5-	\$ 28,545
8.	*6" Conduit	3,074	LF	\$ 5-	\$ 15,370
9.	Type 2 Electric Box	14	EA	\$ 200-	\$ 2,800
10.	Type 3 Electric Box	7	EA	\$ 350-	\$ 2,450
11.	Type 5 Electric Box	4	EA	\$ 3,500-	\$ 14,000
12.	Type 7 Electric Box	2	EA	\$ 5,600-	\$ 11,200
13.	T-1 Telephone Box	20	EA	\$ 85	\$ 1,700
14.	T-2 Telephone Box	1	EA	\$ 1,200	\$ 1,200
15.	T-4 Telephone Box	2	EA	\$ 1,200-	\$ 2,400
16.	T-5 Telephone Box	1	EA	\$ 1,200-	\$ 1,200
17.	GLB2448 Cable Television Box	3	EA	\$ 500-	\$ 1,500
18.	GLB1836 Cable Television Box	1	EA	\$ 400-	\$ 400
19.	GLB1730 Cable Television Box	11	EA	\$ 250-	\$ 2,750
20.	Street Light Box	11	EA	\$ 200-	\$ 2,200
21.	Street Light	11	EA	\$ 7,500-	\$ 82,500
22.	Trench Paving	-	LS	\$ 43,000	\$ 43,000
TOTAL BASE BID					\$ 449,469

*Final Pay Quantity

¹ J 53-54, J 68, J 73, J 79, J 81, J 83-84, J 86, J 93, J 95-96

² J 46-52, J 55-67, J 69-72, J 74-77, J 80, J 82, J 85, J 87-92, J 94, L1

10-14-04

**WILDWOOD/CROCKER AVENUES
UNDERGROUNDING ASSESSMENT DISTRICT
PIEDMONT**

**JOB NO. 6915.04
10/19/2004**

**ALLOCATION OF UTILITY COSTS
BASED ON W.R. FORD ASSOCIATES LOW BID**

ITEM	ELECTRIC (L.F.)	TELEPHONE (L.F.)	T.V. (L.F.)	STREET LIGHTS (L.F.)	TOTAL
MOBILIZATION	\$8,825	\$7,775	\$7,525	\$875	\$25,000
TRAFFIC CONTROL	\$3,530	\$3,110	\$3,010	\$350	\$10,000
TRENCH	\$69,274	\$36,354	\$27,515	\$6,429	\$139,572
2" CONDUIT	\$0	\$24,924	\$31,268	\$2,560	\$58,752
3" CONDUIT	\$2,930	\$0	\$0	\$0	\$2,930
4" CONDUIT	\$22,364	\$6,181	\$0	\$0	\$28,545
6" CONDUIT	\$15,370	\$0	\$0	\$0	\$15,370
BOXES	\$30,450	\$6,500	\$4,650	\$2,200	\$43,800
STREET LIGHT	\$0	\$0	\$0	\$82,500	\$82,500
TRENCH PAVING	\$15,179	\$13,373	\$12,943	\$1,505	\$43,000
TOTALS	\$167,922	\$98,217	\$86,911	\$96,419	\$449,469



ILS ASSOCIATES, INC.
CIVIL ENGINEERING AND LAND SURVEYING

JUN 30 2003
CITY CLERK
CITY OF PIEDMONT

June 27, 2003

George S. Peyton, Jr., City Attorney
City of Piedmont
1999 Harrison Street, Suite 1950
Oakland, CA 94612-3541

Re: Wildwood/Crocker Undergrounding District
Cable TV Cost Share
Our File No. 6915.01

Dear George:

As requested, I have reviewed Paragraph 3A of your letter to Mr. Kent Leacock dated June 25, 2003 regarding cable TV cost share.

In determining the share of costs attributable to the cable TV undergrounding we have prepared a cost allocation exactly as indicated by Mr. Cooper of Harris & Associates. I want to point out that the cost sharing is for the trench used by multiple utilities plus the cost of cable TV boxes and ducts, which are also installed by the contractor performing the underground work. In summary, our method of cost allocation is the same as that used by Harris & Associates and is the standard for the industry.

If you have any questions or desire additional information please feel free to call on me.

Sincerely,

Irving L. Schwartz, C.E.

CC: Geoffrey L. Grote
Mr. Kent Leacock