



AGENDA REPORT

Meeting Date: November 3, 2011
Item Number: F-10
To: Honorable Mayor & City Council
From: Ara Maloyan, Deputy City Engineer 

Subject: APPROVAL OF A PURCHASE ORDER IN THE NOT-TO-EXCEED AMOUNT OF \$772,751.87 TO LOS ANGELES DEPARTMENT OF WATER AND POWER (LADWP) FOR THE CONSTRUCTION OF AN INTERCONNECT BETWEEN THEIR WATER SUPPLY SYSTEM AND THE CITY OF BEVERLY HILLS SYSTEM FOR EMERGENCY PURPOSES.

Attachments:

1. Agreement 229-07
2. Updated LADWP Cost Estimate dated August 9, 2011
3. 2002 Water Master Plan Recommendation by Black & Veatch
4. Location Map

RECOMMENDATION

Staff recommends the City Council move to approve the issuance of a purchase order to the Los Angeles Department of Water and Power (LADWP) in a not-to-exceed amount of \$772,751.87 for the construction of an interconnection between LADWP water supply system and the City of Beverly Hills water supply system on Monte Cielo Drive near La Fontaine Court, for emergency purposes.

INTRODUCTION

One of the recommendations in both a 1999 study prepared by Montgomery Watson and the 2002 Water Master Plan prepared by Black & Veatch, was that "the City should pursue an emergency fire flow connection to the LADWP water supply system" in order to provide improved hillside protection along Monte Cielo Drive and Lago Vista Drive, adjacent to Franklin Canyon.

DISCUSSION

On June 19, 2007, the City of Beverly Hills and LADWP signed Agreement # 229-07 which documented terms of proposed interconnect including a cost estimate for installation of all pipework required to be installed for the interconnection which Beverly Hills agreed to pay for. The initial 2007 project cost estimate provided by LADWP (EXHIBIT B of Attached Agreement # 229-07) was in the amount of \$1,674,538. Additional review and redesign of proposed interconnection by LADWP staff over the last 4 years has resulted in a substantially reduced project cost estimate of \$772,751.87.

Following section 2.10 of the signed Agreement # 229-07, LADWP has indicated that their in-house crews will complete the installation which is within the City of Los Angeles.

On August 9, 2011, LADWP submitted a letter request (Attachment #2) to Beverly Hills city staff for these estimated charges which upon payment receipt, LADWP will mobilize their construction crews with construction currently scheduled to start in December 2011 with a potential duration of six months.

FISCAL IMPACT

Funding for this project is available in the Water Enterprise Fund Capital improvement budget for Fiscal Year 11/12 as follows:

DEPT	FUND	PROJECT NUMBER	SUB-PROJECT NUMBER	FUNDING SOURCE	AMOUNT
35	80	387	35-80-0387	Water Enterprise	\$ 772,751.87
TOTAL \$					772,751.87



Scott Miller
Finance Approval



David Gustavson
Approved By

Attachment 1

WO-10921

Agreement for Water System Interconnection and Water Exchange
Between
The Department of Water and Power of the City of Los Angeles
And
The City of Beverly Hills

This Agreement is entered into by and between the LOS ANGELES DEPARTMENT OF WATER AND POWER, hereinafter referred to as "LADWP", and THE CITY OF BEVERLY HILLS, A MUNICIPAL CORPORATION OF THE STATE OF CALIFORNIA, hereinafter referred to as "City of Beverly Hills" and hereinafter collectively as "Parties".

RECITALS:

- A. LADWP supplies water for domestic consumption and public fire protection to the Coldwater Canyon area, south of Cherokee Lane through a single source.
- B. City of Beverly Hills water supply is pumped through several stages before it reaches its northern border.
- C. LADWP and City of Beverly Hills desire to provide facilities for and to allow the exchange of water under the terms and conditions hereinafter set forth,

NOW, THEREFORE, the Parties mutually agree as follows:

- 1. City of Beverly Hills and LADWP will construct an interconnection between the water supply systems of LADWP and City of Beverly Hills on Monte Cielo Drive near La Fontaine Court. Said interconnection shall consist of a pipeline between the two systems along with the appropriate appurtenances for control, operation, and metering as depicted on the attached Exhibit A which is made a part of this Agreement by reference.
- 2. Use, operation and maintenance of the interconnection shall be subject to all of the following terms, conditions, and requirements.
 - 2.1 The interconnection shall be used for a temporary supply only.

- 2.2 For the purpose of this Agreement, temporary supply shall mean any condition during which City of Beverly Hills or LADWP is not able, through its own facilities, to supply emergency needs for water due to a physical breakdown of its facilities, an emergency outage in the Metropolitan Water District facilities which normally supply the parties, or fire breakout in Franklin Canyon area when emergency supply is needed for fire suppression.
- 2.3 A supply of water from either system may be furnished in the event of an emergency, subject to the primary demand of the system supplying the water.
- 2.4 The LADWP-owned isolating valve and City of Beverly Hills-owned isolating valve shall be open at all times to provide emergency supply for fire suppression.
- 2.5 Each party shall make reasonable efforts to notify the other in the event the temporary supply is activated. In any event, notification shall be provided in writing within 24 hours of activation.
- 2.6 Field crews from either party may activate the connection.
- 2.7 Meter readings shall be taken monthly.
- 2.8 The amount of flow from LADWP's system shall be limited to 3,300 GPM (gallons per minute).
- 2.9 The amount of flow from the City of Beverly Hills system shall be limited to 500 GPM.
- 2.10 Each party shall be responsible for the installation, operation, and maintenance of its respective facilities as shown on attached Exhibit A.
- 2.11 The flow meter, as shown on Exhibit A, may be calibrated by LADWP at intervals of not more than once a year.

3. In order to complete the exchange of water contemplated by this Agreement, any water supplied by City of Beverly Hills to LADWP or by LADWP to City of Beverly Hills shall be returned in like amount, as measured by the meter on the interconnection, to the other party within a reasonable time after such water is supplied, not to exceed one year. Water exchange may be completed through the delivery of water purchased from the Metropolitan Water District, and delivered to the other party through facilities of the Metropolitan Water District. Failure of either party to complete the exchange shall constitute sufficient grounds to terminate use of the interconnection until the exchange has been completed.
4. The total cost for installation of the interconnection, including the cost of the LADWP installed portion, shall be paid by the City of Beverly Hills per the attached Exhibit B. It is understood that Exhibit B is an estimate only and the City of Beverly Hills will be responsible for all actual costs incurred by LADWP for installation of the interconnection.
5. The term of the Agreement shall be for 20 years, to be reopened for reconsideration by LADWP after 15 years. After a period of 15 years, if LADWP determines that it is unable to provide service without hardship to LADWP, LADWP reserves the right to terminate service and this Agreement by providing the City of Beverly Hills with sixty (60) days prior written notice of termination.

Failure by either party to adhere to the terms or conditions of this Agreement, including any unauthorized use of water passing through the interconnection or any failure to complete an exchange, shall constitute sufficient grounds for either party to terminate the Agreement upon giving the other party five (5) days prior written notice.

6. LADWP agrees to indemnify, hold harmless and defend City of Beverly Hills, City of Beverly Hills Council and each member thereof, and every officer, employee and agent of City of Beverly Hills, from any liability or financial loss arising from any intentional, reckless, negligent, or otherwise wrongful acts, errors or omissions of LADWP or any person employed by LADWP in the performance of this Agreement.

City of Beverly Hills agrees to indemnify, hold harmless and defend LADWP and every officer, employee and agent of LADWP, from any liability or financial loss arising from any intentional, reckless, negligent, or otherwise wrongful acts, errors or omissions of City of Beverly Hills or any person employed by City of Beverly Hills in the performance of this Agreement.

7. This Agreement represents the entire integrated agreement between City of Beverly Hills and LADWP, and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by a written instrument signed by both City of Beverly Hills and LADWP.
8. Any notice, demand, or request directed to the LADWP shall be delivered to:

Director of Water Distribution
Department of Water and Power
City of Los Angeles
111 North Hope Street, Room 1425
Los Angeles, California 90012

Any notice, demand, or request directed to the City of Beverly Hills shall be delivered to:

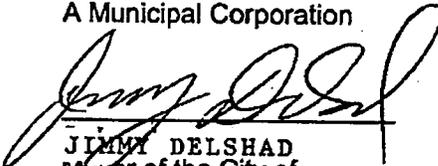
Mr. Roderick J. Wood
City Manager
City of Beverly Hills
445 North Rexford Drive
Beverly Hills, CA 90210

Such correspondence shall be in writing and shall be personally served or sent by first-class U.S. mail, postage prepaid. Either party, by written notice, may designate different or additional person(s) or different addresses for the giving of notices hereunder.

IN WITNESS WHEREOF, the Parties hereto have duly executed this Agreement on this

19th day of June 2007.

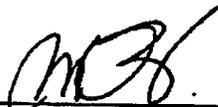
CITY OF BEVERLY HILLS
A Municipal Corporation


JIMMY DELSHAD
Mayor of the City of
Beverly Hills, California

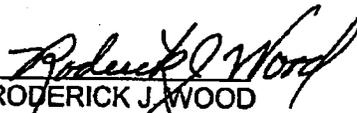
ATTEST:

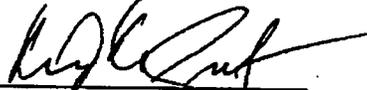
 (SEAL)
BYRON POPE
City Clerk

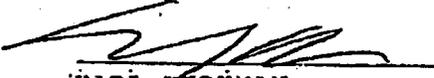
Approved as to form:


LAURENCE S. WIENER
City Attorney

Approved as to content:


RODERICK J. WOOD
City Manager


DAVID D. GUSTAVSON
Director of Public Works &
Transportation


KARL KIRKMAN
Risk Manager

STATE OF CALIFORNIA)
) SS.
COUNTY OF _____)

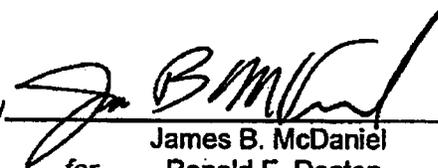
On _____ before me, _____
personally appeared _____

[] personally known to me -OR- [] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

DEPARTMENT OF WATER AND POWER
CITY OF LOS ANGELES

By  2-15-07
for James B. McDaniel
Ronald F. Deaton
General Manager

APPROVED AS TO FORM AND LEGALITY
ROCKARD J. DELGADILLO, CITY ATTORNEY

FEB 14 2007
BY 
S. DAVID HOTCHKISS
Assistant City Attorney

LOS ANGELES DWP - CITY OF BEVERLY HILLS EMERGENCY INTERCONNECTION

EXHIBIT A

Remove/abandon existing regulator station (2300 gpm capacity) with new higher capacity regulator station.

Construct new regulator station and relief basin.

Detail "A"

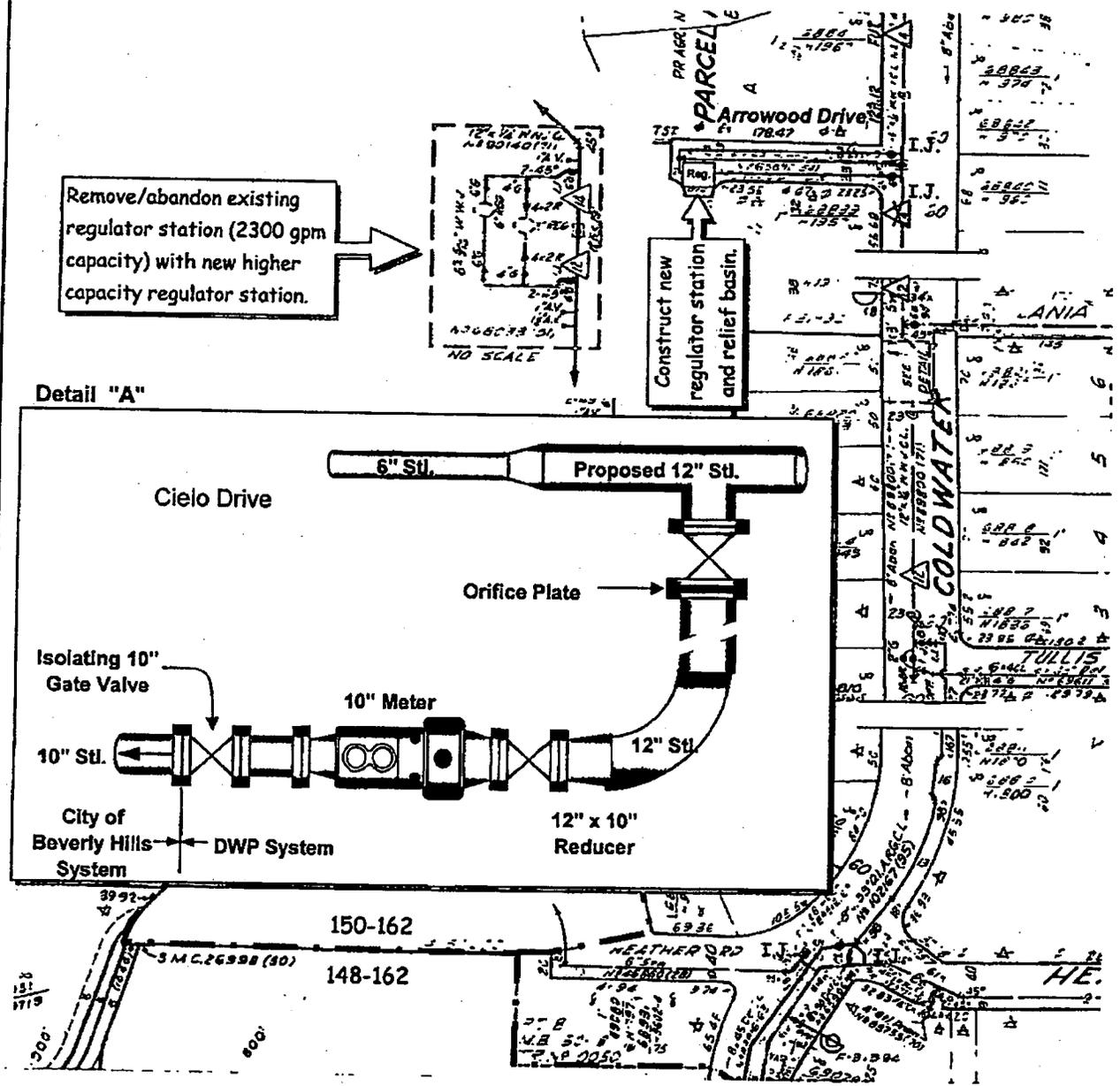
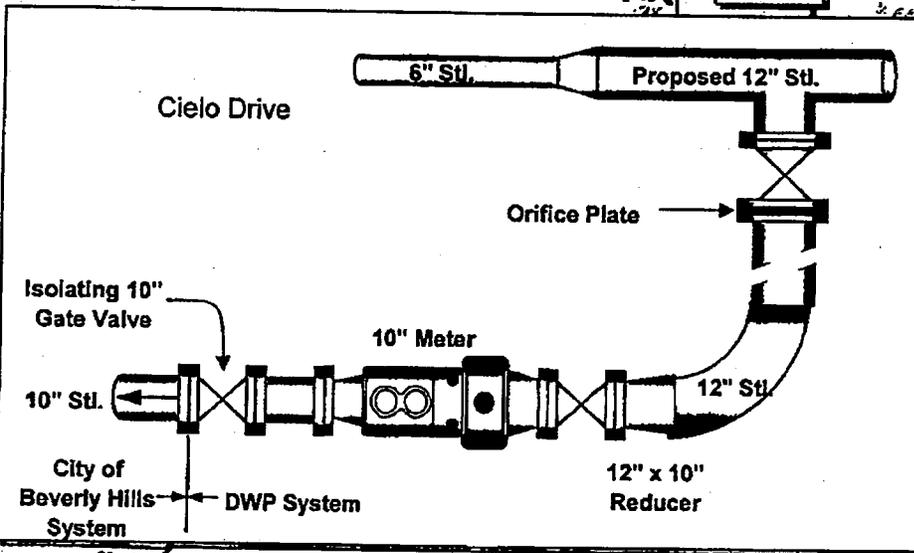


EXHIBIT B**LOS ANGELES DWP - CITY OF BEVERLY HILLS INTERCONNECTION**

Regulator Station Upgrade	\$ 906,370.00
Install 1065 feet of 12-inch steel pipe	571,113.00
Install 10-inch fireline	49,500.00
Used life credit for existing 6-inch and 8-inch pipe	<u>(4,676.00)</u>
Subtotal	\$ 1,522,307.00
10% Contingency	<u>152,231.00</u>
TOTAL CHARGES	\$ 1,674,538.00

Attachment 2

Department of Water and Power



the City of Los Angeles

ANTONIO R. VILLARAIGOSA
Mayor

Commission
THOMAS S. SAYLES, *President*
ERIC HOLOMAN, *Vice President*
RICHARD F. MOSS
CHRISTINA E. NOONAN
JONATHAN PARFREY
BARBARA E. MOSCHOS, *Secretary*

RONALD O. NICHOLS
General Manager

August 9, 2011

Map No. 150-165

Mr. Juan Martinez
Public Works & Transportation
City of Beverly Hills
345 Foothill Road
Beverly Hills, California 90210

Subject: Water Facility Charges
Beverly Hills Intertie
Monte Cielo Drive and La Fontaine Court

Dear Mr. Martinez:

The following are the estimated charges for water facilities for the above mentioned location.

Install 1100 feet of 12 inch steel pipe in Coldwater Canyon Dr.	\$ 685,954.16
Install 10-inch Fireline service on Coldwater Canyon Dr.	38,920.00
Install 10-inch Fireline meter on Coldwater Canyon Dr.	11,080.00
Engineering design costs	<u>36,797.71</u>
TOTAL ESTIMATED CHARGES:	\$ 772,751.87

Your payment will be accepted as a non-interest bearing advance, subject to revision as a result of changes in your plans.

On February 4, 1998, the Los Angeles City Council adopted Ordinance Nos. 171923 and 171924, which became effective on March 27, 1998. These ordinances impose Street Damage Restoration Fees (SDRF) upon utilities and governmental agencies for cutting or trenching in the City of Los Angeles streets. These SDRF charges, which must be paid prior to issuance of the necessary excavation permits, are now collected directly by LADWP. Streets that have been resurfaced less than one year before the date of the proposed excavation shall not be cut unless the party benefiting from such excavation paves the entire City block.

There are many industrial, commercial, and residential services that require the installation of backflow prevention devices on water services as a protection against pollution caused by cross-connections and backflow from customer premises. In order to avoid delays in customer

Water and Power Conservation ... a way of life

111 North Hope Street, Los Angeles, California 90012-2607 Mailing address: Box 51111, Los Angeles 90051-5700
Telephone: (213) 367-4211 Cable address: DEWAPOLA



Mr. Juan Martinez
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August 9, 2011

service, it is recommended that the project developer contact the Water Quality Division at (213) 367-3471 regarding backflow requirements during the early stages of project planning.

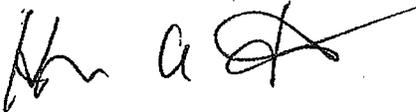
In order to install the requested service(s), it may be necessary for the property owner to grant this Department an easement. The property owner will be contacted for appropriate authorization prior to commencement of field installations, should an easement be required.

Curbs must be installed in new streets and in existing streets subject to change of grade before we will install our portion of the water facilities.

Should you require additional information, please contact Ms. Kathy Laskowsky at (213) 367-2762. Correspondence may be addressed to: Los Angeles Department of Water and Power, P.O. Box 51111, Room 1425, Los Angeles, California 90051-5700.

Please complete the "At Cost" Water Service Installation/Adjustment Agreement form and return to Ms. Laskowsky.

Sincerely,



Hugo A. Torres
Manager-Business Arrangements
Water Distribution Engineering

KL:ct

Enclosure: At Cost WS Install/Adjust Form

c: Ms. Kathy Laskowsky

"AT COST" WATER SERVICE INSTALLATION/ADJUSTMENT AGREEMENT

Service Address _____

Location Description _____

I, _____ hereby request that the Department of Water and Power install a fire service at the above location and necessary facilities to serve the fire service, and that the charges for said work be based on "Actual Costs" rather than the estimated installation charge. In order to initiate this work, I agree to deposit, in advance, the current estimated charge for the work. Upon completion of the work and determination of total costs, any remaining balance of the deposit for the work will be returned to me. In the event the total costs exceed the amount of the deposit, resulting in a balance of payment becoming due, I agree to pay said additional charges upon receipt of billing, and understand that failure to do so may result in termination of water service.

By _____ Date _____

Title _____

(for Department of Water & Power use only)

Service Number _____ Date Paid _____

Amount (service only) _____ Receipt No. _____

Refund/Balance Due _____ Date _____

Water Refund Auth. No. _____ Bill No. _____

Remarks _____

**Water Engineering Services Section
ESTIMATE REQUEST**

Date 7/26/2010

JOB TITLE: Beverly Hills Connection

Work Description:

Fire Hydrant Main Service Others

Install reg valve, 1065'-12" steel pipe, and 10" fireline in Coldwater Canyon

Applicant: City of Beverly Hills

Address: _____

Phone: _____

Fax: _____

See Attachment

Requested By: _____

Phone: _____

Estimate Of Cost: \$ 772,752

Construction	\$735,954.16
Engineering, Design, & Inspection (5%)	\$36,797.71

TOTAL: **\$772,751.87**

Estimate By: Neda Daneshmand

Approved By: Neda Daneshmand

Comments:

Please give us a copy of the letter of charges

Estimate Request

FILE No: 2010-028

CFN 150-165

COST ESTIMATE

DISTRICT: WESTERN

W.O. No. : Spec. Est.

DESCRIPTION OF WORK:

WSM No. : 150-165

INSTALL APPROX. 1065' OF 12" STL. PIPE & 10" F.L. (ABOVE GROUND) FOR CITY OF BEVERLY HILLS
BEVERLY HILLS CITY AGREED TO PROVIDE EASEMENT & MODIFY THE LOCATION PER DWP REQUEST

LOCATION : Coldwater Canyon Drive & Monte Cielo Drive
BEGIN : 36' S/N Heather Road
END : 20' W/W La Fontaine Court

LENGTH :	1,065 ft	<u>PAVEMENT</u>	<u>CONN</u>	<u>LENGTH</u>
SIZE :	12 in	ASPHALT	6	1065
KIND :	STEEL	CONCRETE	0	0
		DIRT	0	0
ESTIMATED COMPLETION DAYS :	45.0			

DETAILED COST ESTIMATE (NEAREST \$1)

DIRECT COST:

(10) LABOR	\$180,236	
(41) MATERIAL	\$96,200	
(30) CONTRACTS	\$85,443	
(38) RENTALS & LEASES	\$51,840	
(39) OUTSIDE SERVICES	\$0	
(89) SLURRY	\$26,892	
(DR) TOTAL DIRECT		\$440,610

SERVICES COST:

(52) TRANS & CONST EQUIP	\$36,988	
(60) MECHANICAL SERVICES	\$0	
(62) ELECTRICAL SERVICES	\$0	
(64) FIELD SUPPORT SERVICES	\$0	
(SV) TOTAL SERVICES		\$36,988

ALLOCATIONS COST:

(12) SUPV & ENGR	\$97,327	
(14) TOOLS	\$14,419	
(42) MATERIAL HDLG	\$24,050	
(84) ADMIN & GENL	\$30,640	
(87) RET & DB & HCC	\$45,059	
(98) HCC	\$46,861	
(AL) TOTAL ALLOCATION		\$258,356

(TT) TOTAL COST ESTIMATE \$735,954

ESTIMATED TOTAL LABOR COST PER FOOT	\$169
ESTIMATED TOTAL COST PER FOOT	\$691
ESTIMATED LENGTH OF PIPE INSTALLED PER DAY(ft)	23.67

ESTIMATED BY : Neda Daneshmand DATE : JULY 26, 2010

DISTRICT: WESTERN

W.O. NO. :

Spec. Est.

<u>LABOR</u>	<u>UNIT</u>	<u>DAILY RATE</u>	<u>DAYS</u>	<u>AMOUNT</u>
WATER UTILITY SUPERVISOR	1	\$513.28	45.0	\$23,098
SENIOR WATER UTILITY WORKER/SPCLST	1	\$406.08	45.0	\$18,274
WATER UTILITY WORKER	2	\$357.28	48.0	\$34,299
M & C HELPER	4	\$296.40	42.0	\$49,795
EQUIPMENT OPERATOR	1	\$407.44	45.0	\$18,335
LIGHT DUTY TRUCK OPERATOR	0	\$323.20	0.0	\$0
WELDER	2	\$445.84	30.0	\$26,750
PROTECTIVE COATING WORKER	1	\$322.84	30.0	\$9,685
CEMENT FINISHER	0	\$376.32	0.0	\$0

CONSTRUCTION EQUIPMENT

<u>W.Q.D.D. EQUIPMENT</u>	<u>UNIT</u>	<u>DAILY RATE</u>	<u>DAYS</u>	<u>AMOUNT</u>
TRUCKS: PICKUP 3/4 TON & GANG TRUCK	1	\$98.64	45.0	\$4,439
DUMP TRUCK 2-AXLE	1	\$67.76	45.0	\$3,049
PITTMAN HOIST	1	\$160.24	45.0	\$7,211
BACKHOE WITH CARRIER	1	\$72.48	45.0	\$3,262
HYDRAULIC HAMMER (STOMPER)	0	\$15.44	0.0	\$0
10 TON PIPE TRUCK	1	\$61.52	5.0	\$308
WELDING TRUCK	2	\$28.80	30.0	\$1,728
ENAMELER TRUCK	1	\$38.00	30.0	\$1,140
CEMENT FINISHING TRUCK	0	\$60.46	0.0	\$0
35-TON CRANE W/ OPERATOR	0	\$1,440.00	0.0	\$0

FLEET SERVICES EQUIPMENT

	<u>UNIT</u>	<u>DAILY RATE</u>	<u>DAYS</u>	<u>AMOUNT</u>
BACKHOE W/ CARRIER & OPERATOR	0	\$1,064.32	0.0	\$0
DUMP TRUCK 3-AXLE W/ OPERATOR	0	\$665.68	0.0	\$0
75 TON CRANE W/ OPERATOR	0	\$1,720.00	0.0	\$0
GRADE-ALL W/ OPERATOR	0	\$1,465.60	0.0	\$0

TRANSPORTATION

75% OF TOTAL W.Q.D.D. EQUIPMENT COST				<u>AMOUNT</u>
				\$15,852

RENTALS & LEASES

	<u>UNIT</u>	<u>DAILY RATE</u>	<u>DAYS</u>	<u>AMOUNT</u>
DUMP TRUCK 3-AXLE & OPERATOR	1	\$728.32	1.0	\$728
DUMP TRUCK 5-AXLE & OPERATOR	2	\$750.00	20.0	\$30,000
BACKHOE WITH CARRIER & OPERATOR	1	\$1,055.60	20.0	\$21,112

OUTSIDE SERVICES

	<u>APPLICABLE</u>	<u>AMOUNT</u>
PERMIT APPLICATION & INSPECTION FEE	YES	\$0
STREET DAMAGE RESTORATION FEE	YES	\$0

SHOP SERVICES

	<u>AMOUNT</u>
MECHANICAL SERVICES (Engineering, Material & Installation)	\$0
ELECTRICAL SERVICES (Engineering, Material & Installation)	\$0
FIELD SUPPORT SERVICES (Fabrication & Inspection)	\$0

CONTRACT

<u>SAWING</u>	<u>RATE/FT</u>	<u>LENGTH</u>	<u>CONN</u>	<u>AMOUNT</u>	
ASPHALT SAWING (7.1" to 9.0" depth of cut)	\$1.80	1,065	6	\$4,093	
CONCRETE SAWING (5.1" to 7.0" depth of cut)	\$2.53	0	0	\$0	
<u>RESURFACING</u>	<u>RATE/S.F.</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>CONN</u>	<u>AMOUNT</u>
ASPHALT	\$7.00	1065	2.5	6	\$20,150
CONCRETE	\$0.00	0	2.5	0	\$0
<u>MISCELLANEOUS</u>				<u>AMOUNT</u>	
Electronic Message Board				\$36,000	
14.5 Ton Crane W/Operator (\$18K/Mo.)- 30 Days				\$25,200	

<u>BACKFILL(Cover 30" to 36")</u>	<u>RATE/C.Y.</u>	<u>C.Y.</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>COVER</u>	<u>AMOUNT</u>
SLURRY	\$68.00	395.5	1,065	2.5	3.0	\$26,892

INDIRECT CHARGES

	<u>S & E</u>	<u>A & G</u>	<u>R & DB</u>	<u>HCC</u>	<u>TOOLS</u>	<u>MAT'L HDLG</u>
LABOR						
\$180,236 x 0.54	\$97,327					
x 0.17		\$30,640				
x 0.25			\$45,059			
x 0.26				\$46,861		
x 0.08					\$14,419	
MATERIAL						
\$96,200 x 0.25						\$24,050
TOTAL :	\$97,327	\$30,640	\$45,059	\$46,861	\$14,419	\$24,050

<u>MATERIAL CODE</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
		<i>Pipe in Coldwater Canyon Drive & Cielo Drive</i>		
13-19-410	1065	12" PIPE STL C/L CEM/CTD SJ(12-3/4X1/4)	\$37.93	\$40,395.45
---	0	---	\$0.00	\$0.00
		<i>Connection at Coldwater Canyon Drive & Heather</i>		
13-19-050	1	12" BUTTSTRAP STL (12-3/4IDX3/8X6)	\$62.90	\$62.90
13-69-298	1	12" INSUL-JT ASSY STL/STL (TYPE IID) NIP/NIP	\$4,011.62	\$4,011.62
63-85-454	2	MAGNESIUM ANODE W/10' #12 LEAD WIRE	\$147.92	\$295.84
12-19-070	1	12" FLG GATE VALVE CI 250# DBL DISC	\$2,171.64	\$2,171.64
13-69-301	2	12" FLG STL SO FF A181 300#	\$184.22	\$368.44
13-19-175	1	12" CPLG STL DRS #38 (NON-INS) STD PIPE	\$295.47	\$295.47
13-19-650	1	12" X 12" TEE STL BW 234B STD C/L	\$229.35	\$229.35
13-19-566	1	12" X 6" REDUCER STL BW C 234B STD C/L	\$97.03	\$97.03
13-17-410	10	8" PIPE STL C/L CEM/CTD SJ (8-5/8X1/4)	\$27.08	\$270.80
13-17-263	1	8" ELL STL BW 45 LR 234B STD C/L	\$84.27	\$84.27
13-17-264	1	8" ELL STL BW 90 LR 234B STD C/L	\$82.23	\$82.23
13-17-050	1	8" BUTTSTRAP STL (8-5/8IDX3/8X6)	\$39.30	\$39.30
13-19-263	2	12" ELL STL BW 45 LR 234B STD C/L	\$144.67	\$289.34
13-19-656	1	12" X 6" TEE STL BW 234B STD C/L	\$271.04	\$271.04
13-66-301	2	6" FLG STL SO FF A181 300#	\$56.18	\$112.36
12-16-989	1	6" FLG GATE VALVE CI 250# RW	\$259.19	\$259.19
13-66-298	1	6" INSUL-JT ASSY STL/STL (TYPE IID) NIP/NIP	\$3,801.64	\$3,801.64
13-16-050	1	6" BUTTSTRAP STL (6-5/8IDX5/16X6)	\$36.20	\$36.20
13-16-175	1	6" CPLG STL DRS #38 (NON-INS) STD PIPE	\$147.73	\$147.73
13-19-260	1	12" ELL STL BW 15 LR 234B STD C/L	\$219.43	\$219.43
13-16-263	1	6" ELL STL BW 45 LR 234B STD C/L	\$60.09	\$60.09
---	0	---	\$0.00	\$0.00
		<i>Connection at Coldwater Canyon Drive & Cielo Drive</i>		
13-16-050	1	6" BUTTSTRAP STL (6-5/8IDX5/16X6)	\$36.20	\$36.20
63-85-454	1	MAGNESIUM ANODE W/10' #12 LEAD WIRE	\$147.92	\$147.92
13-66-298	1	6" INSUL-JT ASSY STL/STL (TYPE IID) NIP/NIP	\$3,801.64	\$3,801.64
13-19-566	1	12" X 6" REDUCER STL BW C 234B STD C/L	\$97.03	\$97.03
13-19-650	1	12" X 12" TEE STL BW 234B STD C/L	\$229.35	\$229.35
12-19-070	1	12" FLG GATE VALVE CI 250# DBL DISC	\$2,171.64	\$2,171.64
13-19-175	1	12" CPLG STL DRS #38 (NON-INS) STD PIPE	\$295.47	\$295.47
		MISCELLANEOUS 5% OF TOTAL MATERIAL COST :		\$4,580.93
		TOTAL MATERIAL COST :		\$96,200

Attachment 3



9.8 Miscellaneous Improvements

9.8.1 Hillside Zone 9 Fire Protection

A 1999 Study prepared by Montgomery Watson recommended fire flow connection to the LADWP water system north of Zone 9 to deliver 6,000 gpm to the Hillside in Zone 9 for a cost of \$2,600,000. This amount also included replacing all existing 6 inch mains with 12 inch mains. The City of Beverly Hills is currently negotiating with LADWP to install a separate fire protection system at a reduced fire flow rate of 3,000 gpm.

If the LADWP separate fire protection system is not implemented, then an alternative plan to the 1999 Study would be to install an irrigation sprinkler system along Lago Vista Drive using Reservoir 3B as a nonpotable water supply. The layout of the system is discussed in Chapter 4, Paragraph 4-6 and shown on Figure 4-13.

The probable costs for the LADWP connection and associated distribution facilities are included in Table 9-6.

9.8.2 MWD Control Station

The inspections performed and reported under Chapter 5 noted that several improvements to the MWD control station on Sunset Blvd. should be made. These include a drainage sump and installation of a portable crane under Phase 1 and updating the electrical system under Phase 2.

These improvements are summarized in Table 9-6.

Table 9-6 Miscellaneous Improvements		
Phase	Description	Cost (\$)
1	Zone 9 Fire Protection	
	LADWP Connection	1,300,000
	Distribution Mains	860,000
	Sprinkler System	20,000
	Total Zone 9 Fire Protection	\$ 2,180,000
	MWD Control Station Miscellaneous Improvements ⁽¹⁾	53,000
	Total Phase 1	\$ 2,223,000
2	MWD Control Station Electrical Upgrade	\$56,000
	Total All Phases	\$2,279,000

⁽¹⁾See Table 5-1

Attachment 4

PROPOSED INTERCONNECT
BETWEEN LADWP
WATER SUPPLY SYSTEM
AND THE CITY OF BEVERLY HILLS
WATER SUPPLY SYSTEM
AGREEMENT # 229-07

**THE CITY OF
BEVERLY HILLS**



CIVIL ENGINEERING DIVISION
PUBLIC WORKS & TRANSPORTATION
345 FOOTHILL ROAD
BEVERLY HILLS, CA 90210

2011

