

# REPORT

To the Honorable Mayor and City Council  
From the City Manager

August 13, 2007

## SUBJECT

Award of Contract -- Redwood City Recycled Water Project -- Phase I -- Seaport Distribution System -- Bid Package 5 (Seaport Boulevard, Seaport Court, Chesapeake Drive & Herkner Road) Project

## RECOMMENDATION

Approve, by motion, the contract documents and award the contract for the Redwood City Recycled Water Project -- Phase I -- Seaport Distribution System -- Bid Package 5 (Seaport Boulevard, Seaport Court, Chesapeake Drive & Herkner Road) Project to the lowest responsible bidder, Shaw Pipeline, Inc. of San Francisco, California, for their low bid of \$ 2,104,800.00.

## BACKGROUND

In August 2003, the City Council approved a broadly defined, flexible project, filed a California Environmental Quality Act Notice of Determination, and formed a citizen community task force to provide input on the implementation of the project. In March 2004, the City Council accepted the Task Force Report and directed staff to return with various implementation actions for their consideration.

The Redwood City Recycled Water Project will be implemented in phases and smaller, discrete projects over the next several years, beginning with some recycled water delivery in the 2007 irrigation season. The major components of the Project are:

1. Treatment improvements consisting of filter modifications, chemical feed addition and filtered water line at the SBSA site -- owned and operated by South Bayside System Authority (SBSA). Status: 100% complete and in service.
2. Disinfection facility consisting of new chlorine contact chambers at the SBSA site -- owned by the City and operated by SBSA. Status: 100% complete and in service.
3. Storage and pumping facilities located within the SBSA plant property (includes a back-up supply line for potable water) -- owned and operated by the City. Status: 100% complete and in service.
4. Distribution system consisting of new transmission pipelines throughout the water service area, in street rights-of-ways -- owned and operated by the City. Status: The first and second projects (Bid Packages 1 and 2) are 95% and 100% constructed, respectively. Bid Package 3 is also 95% completed. Bid Package 4 is under construction with 60% of the work to go, and scheduled for completion by the end of this year.
5. Customer site retrofits for each existing private or public site with a landscape irrigation meter. Retrofits will occur as each property owner agrees to convert to recycled water for landscape irrigation and industrial uses. Status: The first

Customer Site Retrofit package (Retrofit Bid Package 1) for 18 commercial sites in the Redwood Shores area are under construction for the 2007 irrigation season. Construction is 70% completed.

This pipeline construction project (Bid Package 5 – see attached map) is the fifth distribution system project designed to extend the delivery of recycled water to the Seaport area. The completion of Bid 4 construction at the end of 2007 and the beginning of Bid 5 construction marks an important milestone in the Recycled Water Transmission System component of the project as recycled water services in Redwood Shores commence, and delivery of recycled water to commercial and industrial customers in the Bay Front and Seaport areas become the primary focus. This project consists of the installation of the main transmission piping system in Seaport Distribution System along Seaport Boulevard, Seaport Court, Chesapeake Drive & Herkner Road. More than 8,000 linear feet of PVC pipe ranging in size from 8 to 14 inches in diameter, will be constructed in approximately eight months.

The 11 bids received at the bid opening on July 25, 2007, are summarized below:

No.	Bidder	Bid Amount
1.	<b>Shaw Pipeline, Inc., San Francisco</b>	<b>\$2,104,800.00</b>
2.	D W Young Construction, Alamo	\$2,252,465.00
3.	Ranger Pipelines, San Francisco	\$2,419,680.00
4.	KJ Woods, San Francisco	\$2,474,000.00
5.	Mitchell Engineering, San Francisco	\$2,590,250.00
6.	Marques Pipeline, Inc., Sacramento	\$2,599,350.00
7.	Pacific Underground Construction, Inc., San Jose	\$2,751,260.00
8.	JMB Construction, Inc., South San Francisco	\$2,791,500.00
9.	Mountain Cascade, Inc., Livermore	\$2,858,875.00
10.	Precision Engineering, Inc., San Francisco	\$2,987,700.00
11.	West Valley Construction Company, Inc., San Jose	\$3,821,115.00

The low bid of \$2,104,800.00 from Shaw Pipeline, Inc. is 25% lower than the Engineer's estimate of \$2.8 million for the cost of construction. Based upon the bids received, staff believes that the low bid of \$2,104,800.00 is reasonable and responsive, and recommends awarding the contract to Shaw Pipeline, Inc.

#### **ALTERNATIVES**

Do not award the contract for the Redwood City Recycled Water Project – Phase I – Seaport Distribution System – Bid Package 5 (Seaport Boulevard, Seaport Court, Chesapeake Drive & Herkner Road) Project, which would be contrary to prior Council action.


#### **FISCAL IMPACT**

Funds for the proposed construction contract are available from the Water Revenue Bond proceeds. The City has issued a series of three Water Revenue Bonds to finance Phase 1 of the Recycled Water Project. Available project funds, less unattributed interest, total \$18,053,802 as of June 30, 2007.



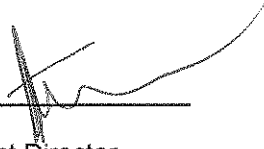
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Phong Du, P.E.  
Senior Civil Engineer



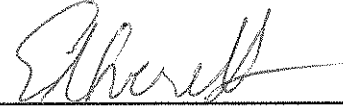
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Chu Chang, P.E.  
Manager, Engineering & Construction



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Peter Ingram  
Community Development Director



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Ed Everett  
City Manager

**ATTACHMENTS**

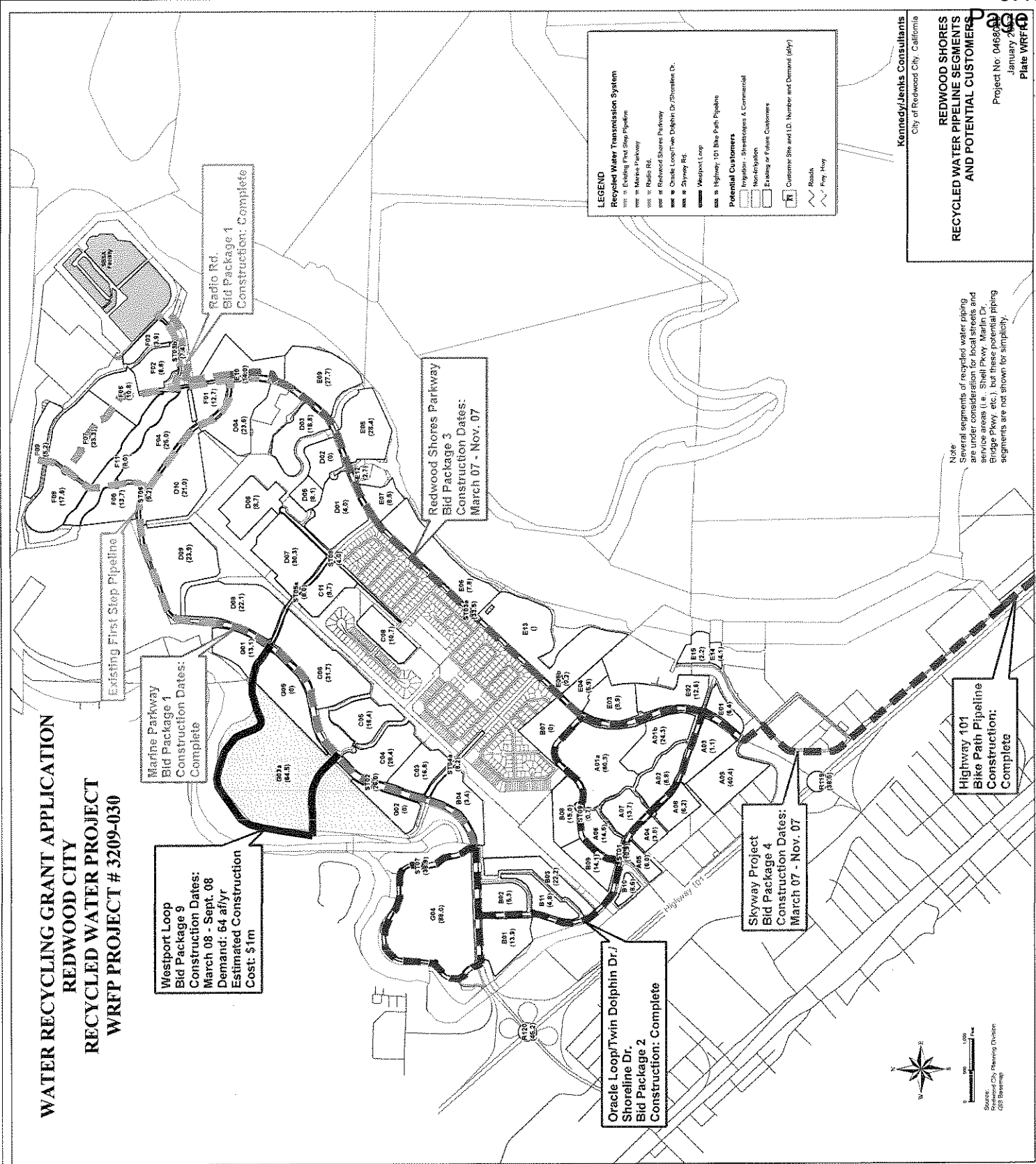
Redwood City Recycled Water Program Distribution System Maps

**RELATED DOCUMENTS IN CITY CLERK'S OFFICE**

1. Contract Documents
2. Bid Documents

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**WATER RECYCLING GRANT APPLICATION  
REDWOOD CITY  
RECYCLED WATER PROJECT  
WRFP PROJECT # 3209-030**



**LEGEND**

**Recycled Water Transmission System**

- Existing First Step Pipeline
- New to Marine Parkway
- New to Radio Rd.
- New to Redwood Shores Parkway
- New to Oracle Loop/Twin Dolphin Dr./Shoreline Dr.
- New to Skyway Rd.
- Midlevel Loop

**Potential Customers**

- Highway 101 Bike Path Pipeline
- Highway 92
- Highway 94
- Highway 96
- Highway 98
- Highway 101
- Highway 102
- Highway 104
- Highway 106
- Highway 108
- Highway 110
- Highway 112
- Highway 114
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- Highway 196
- Highway 198
- Highway 200

**Other Symbols:**

- Customer Site and I.D. Number and Demand (sf/yr)
- Roads
- Flow Arrows

**Kennedy/Jenks Consultants**  
City of Redwood City, California

**REDWOOD SHORES  
RECYCLED WATER PIPELINE SEGMENTS  
AND POTENTIAL CUSTOMERS**

Project No: 0468000  
January 2009  
Plate WRF# 05

**Note**  
Several segments of recycled water piping are under consideration for local streets and service areas (i.e. Shell Pkwy, Martin Dr, Bridge Pkwy, etc.) but these particular piping segments are not shown for simplicity.

**Westport Loop  
Bid Package 9  
Construction Dates:  
March 08 - Sept. 08  
Demand: 64 sf/yr  
Estimated Construction  
Cost: \$1m**

**Marine Parkway  
Bid Package 1  
Construction Dates:  
Complete**

**Redwood Shores Parkway  
Bid Package 3  
Construction Dates:  
March 07 - Nov. 07**

**Skyway Project  
Bid Package 4  
Construction Dates:  
March 07 - Nov. 07**

**Highway 101  
Bike Path Pipeline  
Construction:  
Complete**

**Oracle Loop/Twin Dolphin Dr./  
Shoreline Dr.  
Bid Package 2  
Construction: Complete**

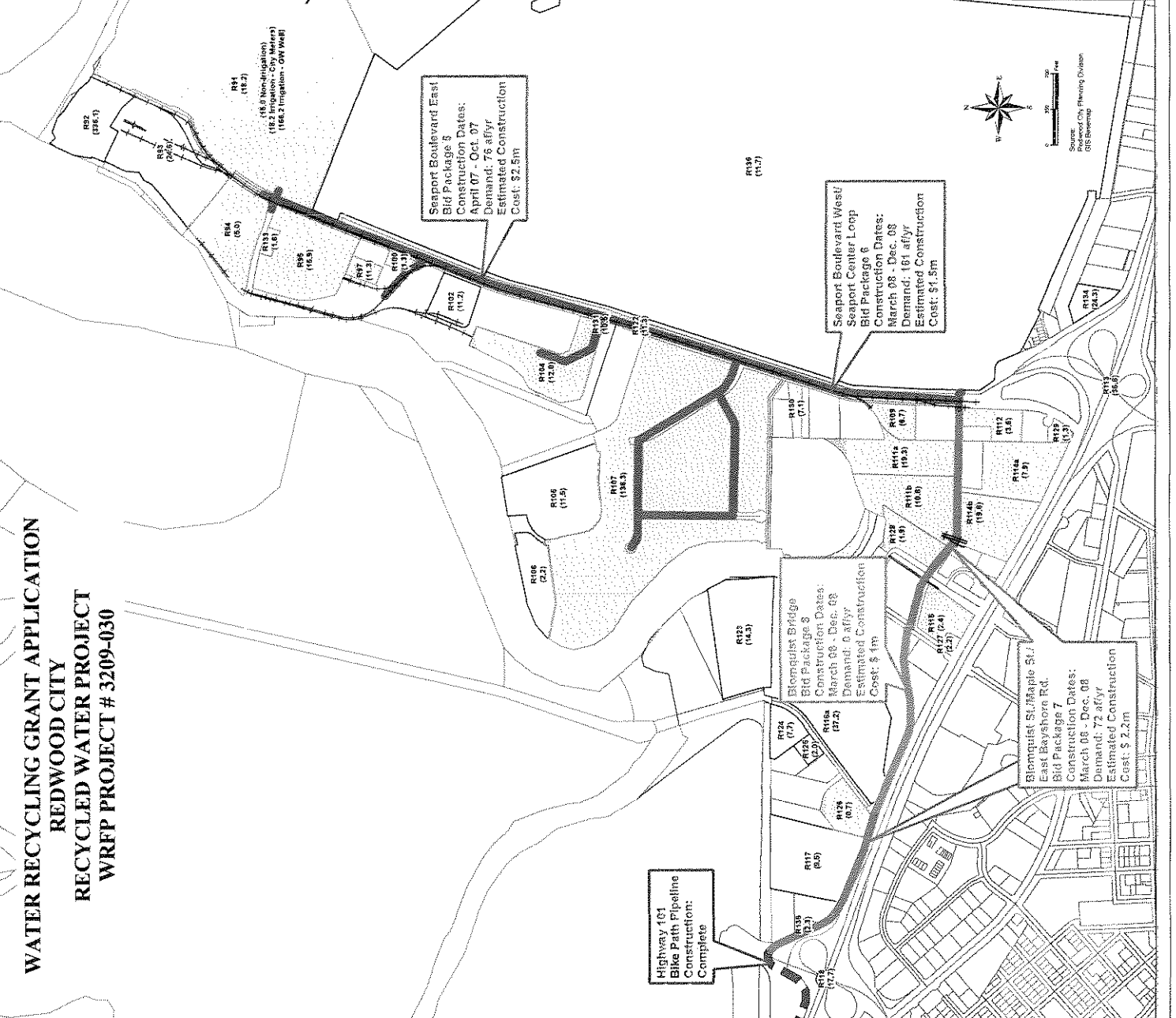
SITE	CUSTOMER
A01	Electronic Arts
A02	Shelter Properties
A03	Shelter Properties
A04	Macrominds
A05	Instill Corp
A06	RealNames (Speaker Properties)
A07	Provident Central Credit Union
A08	ENI Dolphin
A09	Neris Farmen
A10	One Corporation
B01	Emery Worldwide/Paragon Point
B02	Marina Park Center
B03	Dolphin Unit 2
B04	Boylek Dr. Penant Ct Island Point Park
B05	Coop Housing
B06	Coop Housing
B07	Coop Housing
B08	Coop Housing
B09	Coop Housing
B10	Executive Guild (Washshore Office Park)
B11	San Mateo County Office of Education
B12	Dolphin Park
C01	Starboard Park
C02	Starboard Park
C03	Pacific Cove HOA
C04	Pacific Cove HOA
C05	Shorebird Island HOA
C06	Shorebird Island HOA
C07	Beacon Shores HOA #1 & #2
C08	Beacon Shores HOA #1 & #2
C09	Seabridge Community Association
C10	Harbor Colony
C11	Main Subdivision Lots #1 & #6
C12	Aggressive Cove HOA
C13	Marina Park
C14	Shorebird Park
D01	David Lane Parcel
D02	Redwood Shores Agis
D03	Herbsterie Agis
D04	Regatta HOA
D05	Starboard Bay HOA #1 & #2
D06	Starboard Bay HOA #1 & #2
D07	Ventura Pal Mar HOA #1 & #2
D08	Lakeshore Townhomes #1 & #2
D09	Laguna Pointe HOA
D10	Harbor Court HOA
D11	The Shores HOA
D12	Sandridge School Park
D13	Shannon Park
D14	Shannon Park
D15	Pacific Athletic Club (Western)
D16	Market Place
D17	Hastings HOA
D18	Hastings HOA
D19	Terete Dr. Park
D20	Terete Dr. Park
D21	Sunrise HOA #1
D22	Sunrise HOA #1
D23	Sandridge Lagoon HOA #1
D24	Sandridge Lagoon HOA #1
D25	Bridgeport HOA
D26	Bridgeport HOA
D27	Govemor's Bay HOA
D28	Govemor's Bay HOA
D29	Mariner Park
D30	Fire Station #20
D31	Marlin Subdivision Units #2 & #2a
D32	Marlin Subdivision Units #2 & #2a
D33	Marlin Subdivision Units #2 & #2a
D34	Marlin Subdivision Units #2 & #2a
D35	Marlin Subdivision Units #2 & #2a
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D323	Marlin Subdivision Units #2 & #2a
D324	Marlin Subdivision Units #2 &

# WATER RECYCLING GRANT APPLICATION REDWOOD CITY RECYCLED WATER PROJECT WRFP PROJECT # 3209-030

Site	Customer
R01	Pacific Shores
R02	Harbor Sand & Gravel
R03	SANMETAL, America
R04	Pelco Optimum
R05	Central Concrete
R06	Central Concrete
R07	Central Concrete
R08	ROMAC Chemical
R09	Port of Redwood City Office
R10	USGS Office
R11	Basic Chemical Solutions
R12	Basic Chemical Solutions
R13	Portside Center Office
R14	Portside Center Office
R15	Seaport Plaza
R16	Seaport Center
R17	Seaport Center
R18	Seaport Center
R19	Harbor Sand & Gravel
R20	Harbor Sand & Gravel
R21	Granite Rock - Road Materials
R22	Granite Rock - Road Materials
R23	Lyngs Garden Materials
R24	Nalco Grand Prix
R25	Nalco Grand Prix
R26	Nalco Grand Prix
R27	RWC Public Facility
R28	Pelco's Harbor
R29	County Of San Mateo Sheriff
R30	Seaport Blvd Streetcapes
R31	Seaport Blvd Streetcapes
R32	Seaport Blvd Streetcapes
R33	Seaport Blvd Streetcapes
R34	Seaport Blvd Streetcapes
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R99	Seaport Blvd Streetcapes
R100	Seaport Blvd Streetcapes

**FUTURE CUSTOMER SITES**

R01	New Giant Mills
R02	New Giant Mills
R03	New Giant Mills
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R100	New Giant Mills



**LEGEND**

**Recycled Water Transmission System**  
 - Seaport Boulevard East  
 - Seaport Boulevard West/Seaport Center Loop  
 - Blomquist Bridge  
 - East Bayshore Rd./Blomquist St./Marble St.

**Potential Customers**  
 - Irrigation - Streetcapes & Commercial  
 - Non-Irrigation  
 - Existing or Future Customers

**Other Symbols**  
 - Highway 101 Bike Path Pipeline  
 - Customer Site I.D. Number and Demand (sf/yr)  
 - Roads  
 - Hwy - Hwy

Kennedy/Jenks Consultants  
 City of Redwood City, California

**SEAPORT/BAYFRONT  
 RECYCLED WATER PIPELINE SEGMENTS  
 AND POTENTIAL CUSTOMERS**

Project No: 04680  
 January 2006  
 Plate WRFP-06