MINUTES OF SILICON VALLEY CLEAN WATER
MEETING OF DECEMBER 10, 2015

The Meeting of the Commission began at 8:03 a.m.

ITEM 1
CALL TO ORDER

ITEM 2
ROLL CALL - Commissioners Duly Appointed By Each Agency
  Council Member John Seybert, Redwood City – Chair
  Council Member Warren Lieberman, PhD., Belmont – Vice Chair
  Edward Moritz, West Bay Sanitary District - Member
  Council Member Robert Grassilli, San Carlos – Secretary

Staff. Consultants and Visitors Also Present
  Daniel T. Child, Manager
  Teresa Herrera, Assistant Manager/Plant Engineer
  Matt Anderson, SVCW Chief Financial Officer
  Monte Hamamoto, SVCW Wastewater Superintendent
  Linda Bruemmer, SVCW Administrative Services Director
  Christine Fitzgerald, SVCW Legal Counsel
  Kim Hackett, SVCW Engineering Director
  Rick Widger, SVCW Financial Analyst
  Arvind Akela, SVCW Senior Engineer
  Vanessa Ventura, SVCW Administrative Assistant
  Cindy Hui, SVCW Accounting Technician
  Toni Saldou, City of Redwood City
  Bill Tanner, The Covello Group
  Aren Hansen, Brown and Caldwell
  Mark Minkowski, Kennedy/Jenks

ITEM 3
PLEDGE OF ALLEGIANCE
The Pledge of Allegiance was recited by those in attendance.

ITEM 4
PUBLIC COMMENT
There was no Public Comment

ITEM 5
SAFETY MOMENT & REPORTS
The Safety Moment focused on Holiday Safety
ITEM 6
MATTERS OF COMMISSION MEMBER’S INTEREST – No items were noted.

ITEM 7
CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR

Motion/Second: Mr. Moritz / Mr. Grassilli
The motion carried by unanimous roll call vote.

ITEM 8A
CONSIDERATION OF RESOLUTION RATIFYING MANAGER’S DECLARATION OF EXISTENCE OF AN “EMERGENCY CONDITION” AND APPROVING REPAIR OF ESSENTIAL FACILITIES

Motion/Second: Mr. Grassilli / Mr. Lieberman
i. Move adoption of RESOLUTION DECLARING EXISTENCE OF EMERGENCY CONDITION REQUIRING IMMEDIATE EXPENDITURE OF FUNDS IN FURTHERANCE OF PUBLIC HEALTH, WELFARE AND SAFETY AND APPROVING AND RATIFYING EXECUTION OF CONTRACTS FOR REPAIR OF ESSENTIAL PUBLIC FACILITIES RELATING THERETO (REDWOOD CITY PUMP STATION 48-INCH FORCE MAIN EMERGENCY REPAIRS)

ii. Move approval of EXPENDITURES UP TO $300,000 AT THE DIRECTION OF THE SVCW MANAGER FOR EMERGENCY REPAIRS OF REDWOOD CITY PUMP STATION 48 INCH FORCE MAIN

iii. Move approval of EXPENDITURES UP TO $1,650,000 FOR REPAIRS OF REDWOOD CITY PUMP STATION 48 INCH FORCE MAIN AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – POWER ENGINEERING CONTRACTORS

The motions and resolution carried by unanimous roll call vote.

Legal Counsel, Christine Fitzgerald, stated emergency statutory requirements mandate the minutes reflect the emergency action taking place is in fact an emergency and requires immediate action. Ms. Fitzgerald recommended the Staff Report (8A) be attached in support of the minutes because statute requires that findings are based on substantial evidence confirming why the repairs are necessary without the competitive bidding process at this time. As such, the Staff Report (8A) is attached to these minutes as required.

ITEM 8B
CONSIDERATION OF MOTION APPROVING TASK ORDER SCOPE AND BUDGET FOR AUTOMATION SERVICES FOR SOLIDS PROCESS AUTOMATION PROJECT (CIP #8007, 8018, 8021) – CASCADE INTEGRATION AND DEVELOPMENT
Motion/Second: Mr. Lieberman / Mr. Moritz
Move approval of TASK ORDER FOR HMI PROGRAMMING SERVICES SCOPE AND BUDGET FOR SOLIDS PROCESS AUTOMATION PROJECT (CIP #8007, 8018, & 8021) AND AUTHORIZE SVCW MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – CASCADE INTEGRATION AND DEVELOPMENT- $361,388
The motion carried by unanimous roll call vote.

ITEM 8C
CONSIDERATION OF MOTION AUTHORIZING CONTRACT CHANGE ORDER FOR THE DRYING BEDS IMPROVEMENT PROJECT (CIP #9164)

Motion/Second: Mr. Moritz / Mr. Grassilli
Move approval of CONTRACT CHANGE ORDER FOR DRYING BEDS DECANT PUMP STATION SHORING SYSTEM IN THE AMOUNT OF $284,381 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – GRANITE ROCK
The motion carried by unanimous roll call vote.

ITEM 9
CLOSED SESSION
   A. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
      Initiation of litigation (Government Code §54956.9(d)(4))
      Number of potential cases: 1

ITEM 10
RECONVENE IN OPEN SESSION
Closed session ended at 9:05 a.m. Ms. Fitzgerald announced that instructions were given to staff and counsel by the Commission and no action was taken.

ITEM 11
ADJOURN
There being no further business, the meeting adjourned at 9:07 a.m.

[Signature]

Robert Grassilli, Secretary
By: Daniel T. Child, Manager
DEPARTMENT OF EMERGENCY
AND AUTHORIZE EXPENDITURE OF FUNDS FOR FORCE MAIN REPAIR

ISSUE
Ratification of Manager's Declaration of Existence of an Emergency Condition and Approving Repair of Essential Facilities.

BACKGROUND
SVCW treats wastewater from approximately 220,000 people in its service area. The Member Agencies of SVCW are the cities of Redwood City, Belmont, and San Carlos, and the West Bay Sanitary District. SVCW is currently embarking on a sizable Capital Improvement Program (CIP) of which a major portion is dedicated to replacing the conveyance system pipelines and pumps stations. The first conveyance system project under construction was replacement of the 48-inch Force Main with the Notice to Proceed issued in June 2013.

The 48-inch segment of the influent force main accounted for approximately 25% of the total conveyance system pipeline length yet was responsible for 75% of the leaks SVCW had experienced. For this reason the project was fast tracked and paralleled the development of the larger CIP Conveyance System Replacement Program. Construction of the 48-inch project is now complete. Unit 1, the Maple Street-Redwood Creek segment was completed last year. Units 2 and 4 (on Inner Bair Island) are substantially complete and the newly installed pipe is in service.

DISCUSSION
The only section of 48-inch pipe that has not been replaced is an approximately 100-foot long section located adjacent to the Redwood City Pump Station. Replacing this portion of the 48-inch force main was originally planned to be done as part of the the Pump Station Rehabilitation Project because the future pump station design will require significant reconfiguration of current flow patterns and pipelines at the site. However, on November 4, 2015, this portion of the pipeline started to leak and emergency crews from Power Engineering were dispatched. Power Engineering was able to significantly control the leak with a "stop-gap" temporary patch, however, it was found that the remaining pipe is at a point of potential failure and not repairable.

Investigation to repair this section of pipeline began immediately. The construction of the force main in this section differs from the rest of the force main in that it is made of a patchwork of both reinforced concrete pipe and steel pipe. While the concrete portions suffer from the same weaknesses as the rest of the old forcemain, i.e. poor bedding in young bay mud that allows movement and leakage from joints, the steel sections of the pipe have corroded to the point that repair is not feasible. This section has experienced leaks in the past and has already had several significant steel patch repairs welded to the pipe, including a full length cap covering the entire top half of the pipe installed approximately fifteen years ago.

Report By: D.C.
The anticipated schedule for completing the Redwood City Pump Station replacement is 2023. After recent investigation and evaluation of the condition of this pipe segment, it is clear that this pipe and the newly applied temporary patch leave SVCW at a very high risk of a catastrophic raw sewage leak. Replacement of the pipe cannot wait eight years for replacement as originally planned.

Given the challenges identified above and the continued issues with this section of pipeline, there is considerable risk to the safety and health of the public if a catastrophic break should occur. The required costs and potential disruption of service to fix this pipeline, in a crisis situation or if it should occur during a wet weather event, would be extremely large. The risk of fines due to preventable Sanitary Sewer Overflow (SSO) is probable and could be millions of additional dollars.

Emergency meetings were held over the last three weeks of November with SVCW staff, consulting engineers, the 48-inch Force Main Project Team, the Pump Station Project Team, and SVCW's emergency leak repair contractor Power Engineering to evaluate the least cost options of getting the pipe repaired/replaced as soon as possible. The group was able to develop an option that not only replaces the current failing section, but is also consistent with the layout needs of the future pump station. In this regard, the emergency repair will be facilitated by moving forward now with the pipeline replacement process that would have occurred during the future pump station rehabilitation in 2023.

FINANCIAL IMPACT
The SVCW Manager is authorized by the SVCW Joint Powers Agreement to spend up to Three Hundred Thousand Dollars ($300,000) for work in emergency situations to develop solutions and begin implementation of repairs as needed. The temporary patch cost and related pumping needs at the pump station is anticipated to be less than $200,000, but final invoices have yet to be received from the contractor.

The estimate for construction of the recommended emergency repair work, consisting of building the new pipe required for the future Redwood City Pump Station at this time, is estimated at $1.65 million. This expense would be incurred at a later date, when the pump station is replaced and performing the work today will have the added benefit of eliminating a significant high risk area of potential forcemain leaks. Staff believes this expenditure is necessary and prudent given the situation and recommends proceeding with this pipeline repair project immediately.

Funding for this emergency work will come from two sources. The temporary patch will be funded from CIP Project #6003, Influent Force Main Emergency Repair, with a budget of $1.43 million. The permanent replacement will be funded from CIP Project #7005, Redwood City Pump Station Replacement project, with a budget of $29.3 million.
RECOMMENDATION

i. Move adoption of RESOLUTION DECLARING EXISTENCE OF EMERGENCY CONDITION REQUIRING IMMEDIATE EXPENDITURE OF FUNDS IN FURTHERANCE OF PUBLIC HEALTH, WELFARE AND SAFETY AND APPROVING AND RATIFYING EXECUTION OF CONTRACTS FOR REPAIR OF ESSENTIAL PUBLIC FACILITIES RELATING THERETO (REDWOOD CITY PUMP STATION 48-INCH FORCEMAIN EMERGENCY REPAIRS)

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