ORIGINAL

SWEETWATER SPRINGS WATER DISTRICT

TO: Board of Directors **AGENDA NO. V-E**

FROM: Steve Mack, General Manager

Meeting Date: December 4, 2008

Subject: CAPITAL IMPROVEMENT PLAN INTRODUCTION

RECOMMENDED ACTION: Receive a report on the Capital Improvement Plan.

FISCAL IMPACT: none

DISCUSSION:

Capital improvements are an important element of the District's work effort. The District has an aging infrastructure, an unacceptable amount of unaccounted for water and District staff spend too much time reacting to leaks in the distribution system. Currently, the District is constructing CIP IV-A Project 1 and has CIP IV-A Project 2 in design with the intent of going to construction in the spring. This report is a part of the ongoing effort to keep the capital improvement effort moving forward.

Attached is Table 1. Sweetwater Springs Water District Capital Improvement Projects. This is a list of projects that has been developed over time and updated. The purpose of presenting this list at the December meeting is to introduce and make public staff's current thinking on the most important capital projects and a general priority listing of when these projects might be completed. With Board approval, our intention is to have additional staff discussions on these projects and meet with Brelje and Race engineers for further refinement of the projects. At the January meeting the refined list will be presented to the Board for its approval.

The Capital Improvement Plan will be updated on an annual basis to reflect changing conditions.

Table 1. SWEETWATER SPRINGS WATER DISTRICT CAPITAL IMPROVEMENT PROJECTS (November 25, 2008) *Cost for projects were estimated in 2005 by B&R Engineering, unless otherwise noted.*	
A. FY 2010 - CIP PHASE IV – B Distribution Storage Tank Construction FY 2011 Capital Projects	
Project Description:	**Estimated Cost:**
1. **Upper Summit Tank (Mc Lane Avenue) –** Construct a storage tank with a nominal capacity of approximately 120,000 gallons at the District – owned site on McLane Avenue. Project to include relocation/ construction of the existing hydro-pneumatic pump station that currently serves the highest connections in the Summit Service Zone.	**$490,000**
2. **School House Tank (Monte Rio) –** Construct a storage tank with a nominal capacity of approximately 60,000 gallons at the top of Bonita Terrace. Exact location of tank, and pumping system details have not been completed at this time. The majority of distribution piping will be in place in 2009 after the completion of CIP–PHASE IV-A, PROJECT 2.	**$ 400,000**
3. **Schoeneman Tank Replacement (GV)** – Replace the existing 10,00 gallon tank with a 30,000 gallom storage tank.	**$ 127,000**
4. **NatomaTank Replacement (GV)** – Replace the existing 10,000 gallon storage tank with a 30,000 storage tank.	**$ 190,000**
B. Distribution System Pipe Replacement Projects (All new mains are 6-inch, unless otherwise mentioned)	
1. Riverlands Road (GV) - Replace 1,600 lf of existing main and appurtenances in Riverlands Road, including two ties at Drake Road to create a loop.	**$287,000**
2. Handy Andy Booster Feed Line (GV) – Replace 200 lf of existing main between Hwy 116 and the booster pump at Old Monte Rio Road. ***T**his was originally slated to be part of a much larger project (See project # 8 on this list.) The original project has now been divided into two projects with cost estimates adjusted accordingly.	**$35,000**

3. Alder Road, Pebble Way, & Heller Streets (MR) – Abandon 4,500 lf of parallel undersized water mains and transfer water services to larger main; and on River Blvd, Alder Rd., Willow Rd., and Railroad Ave. – Replace existing mains and appurtenances with approximately 5,800 lf of 6-inch water main, to complete loop.	**$1,026,000**
4. Western, Eastern and Northern Avenues and Orchard Lane (GV) - Replace 3,000 lf of existing main and appurtenances. *This is outside of the Russian River Redevelopment boundary.	**$633,000**
5. Foothill Drive (MR) – Install 1,000 lf of new 8 – inch main and appurtenances from B Street northwesterly to end of existing 8 – inch main and make connection to other side of Foothill where section of road is closed to through traffic.	**$181,000**
6. Guernewood Lane (GV) – Replace 1,600 lf of existing main and appurtenances and abandon 200 lf of redundant 4 – inch main along Hwy 116.	**$247,000**
7. Canyon Seven Rd (GV) – Eliminate dead end mains and create loops by installing 1,900 lf of new main and appurtenances in Canyon Seven Rd between Sequoia Rd and Paradise Ln.	**$234,000**
8. Old Monte Rio Road (GV) – Replace 4,800 lf of existing main and appurtenances commencing at the Handy Andy Booster and proceeding westerly. *This was originally slated to include a much smaller project.(See project # 2 on this list.) The original project has now been divided into two projects with cost estimates adjusted accordingly.	**$690,000**
9. Hidden Valley Rd (GV) – Replace 2,000 lf of existing main and appurtenances between Cherry St and West Hidden Valley Rd.	**$373,000**

Table 2. Possible Distribution Project Combinations

Fiscal Year	Projects	Total Cost Estimate
~~2012~~ 2011	1. Riverlands Road (GV) 2. Handy Andy Booster Feed Line (GV) 4. Western, Eastern and Northern Avenues and Orchard Lane (GV) 5. Foothill Drive (MR) 6. Guernewood Lane (GV) 7. Canyon Seven Rd (GV)	$984,000
~~2013~~ 2012	3. Alder Road, Pebble Way, & Heller Streets (MR)	$1,026,000
~~2014~~ 2013	8. Old Monte Rio Road (GV) 9. Hidden Valley Rd (GV)	$1,063,000