

FOR BOARD ACTION

Agenda Item # 4

Meeting Date: 10/30/12

SUBJECT: 4th St SE Reservoir Replacement (CUDE Second Public Input Meeting)

PREPARED BY: Doug Rovang, Senior Civil Engineer

ITEM DESCRIPTION:

The Committee on Urban Design and Environment (CUDE) conducted a second public input meeting related to the proposed 4th St SE Reservoir Replacement Project at the County Public Health Services Building the evening of October 23, 2012.

A summary of the public meeting discussion is attached. A copy of the project information handout provided at the meeting is also attached.


Three Utility Board members attended the meeting. (No Board action was taken at the meeting.)

FOR CAPITAL PURCHASES/BIDS/MAJOR PROJECTS:

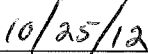
Not applicable.

UTILITY BOARD ACTION REQUESTED:

This is a summary of information from the October 23rd CUDE meeting related to the proposed 4th St SE Reservoir replacement project. No formal Board action is anticipated at this meeting. Staff anticipates the Board will select a recommended site for the 4th St SE Reservoir replacement at its November 13th meeting.



General Manager



Date

ROCHESTER PUBLIC UTILITIES
NOTES FROM CUDE SECOND PUBLIC INPUT MEETING (Prepared by Doug Rovang)
October 23, 2012

MEETING ATTENDEES

Three Utility Board members were present at the CUDE meeting. (No Board action was taken at the meeting). The RPU General Manager, several RPU staff members, and three Committee on Urban Design and Environment (CUDE) members attended. Five members of the public were in attendance. Two public members had not attended any of the earlier project related public meetings, two had attended previous project related meetings, and the fifth was an engineer from a local engineering firm attending to gain familiarity with the proposed project.

THE MEETING AND CUDE'S ROLE

Mark Engel, member of the CUDE, was moderator of the meeting and did a good job of presenting the role of CUDE in moderating public information meetings about the project (a previous related CUDE meeting was held back in February). RPU staff had 24" x 36" posters available showing renderings of each of the five remaining site alternatives, as well as handouts showing the alternative sites. A PowerPoint overhead related to the project sites was also presented. The meeting lasted two hours. The comments provided by the public attendees were extensive and thoughtful.

PUBLIC INPUT AND DISCUSSION:

Alternatives A, A2, B2 and E2 No specific comments were made relative to these site alternatives. The public discussion focused almost entirely on Alternative G (3.5 MG Reservoir at 4th St and 10th Ave SW). A question was asked about the reasons for rejecting the previously considered Silver Lake Plant site NE and the Leitzen site NW.

Alternative G (3.5 MG Reservoir at 4th St and 10th Ave SW) As noted above, the discussions were extensive, and related in large part to questions about the proposed Alt G alternative: diameter; height; construction method that would permit the shorter reservoir downtime; why was RPU willing to give up the divider wall? Did the proposed project cost include demolition of the existing reservoir at that site? Wouldn't the shortened time-frame from the project resulting from the different construction method for the walls increase the project cost? If so, was that included in the project estimated cost? What about the need for a variance from the 50' setback requirement from property lines? What screening of the new replacement reservoir would be provided? Could the reservoir be moved slightly west and slightly north to enable better screening and less visual impact? RPU staff provided responses to the questions asked and comments made.

Project Alternative Cost Comparisons The handout table which compared the cost of each project Alternative when the cost of replacing the existing 1.5 mil gal reservoir in ~20 years was included was thoroughly reviewed. This table showed the additional cost of each alternative compared to the cost of Alt G. Comments from the public attendees noted the substantial additional ultimate cost of selecting an Alternative other than Alt G, and asked if other considerations carried any weight in the final Alternative selection. RPU staff noted the various other non-monetary factors being considered in the final Alternative selection process.

Future Water Use Projections The extent of the central main level water service area the proposed reservoir or tower would serve was defined (extending from CCM on the west to the University Center on the east, and from 14th St NW on the north to Highway 14 on the south). A somewhat extended discussion followed about RPU future water demand projections for this service area, and the various elements of RPU's water conservation program (commercial and residential) – two members of the public being particularly familiar with strategies used elsewhere in the country to reduce water consumption. RPU staff emphasized the need to replace the existing 4th St SE Reservoir at this time. The additional water storage volume proposed above the capacity of the existing 4th St SE Reservoir was based on existing demand as well as ongoing growth of the Mayo Clinic complex, addition of the University of Minnesota Rochester, and conversion of single family housing areas in the service area to commercial and multi-family facilities. The need for additional water storage in this area will depend on actual future water demand.

Other Comments The public participants noted their satisfaction that a new reservoir would not be located in Saint Marys Park.

CUDE Public Input Meeting
4th St SE Reservoir Replacement

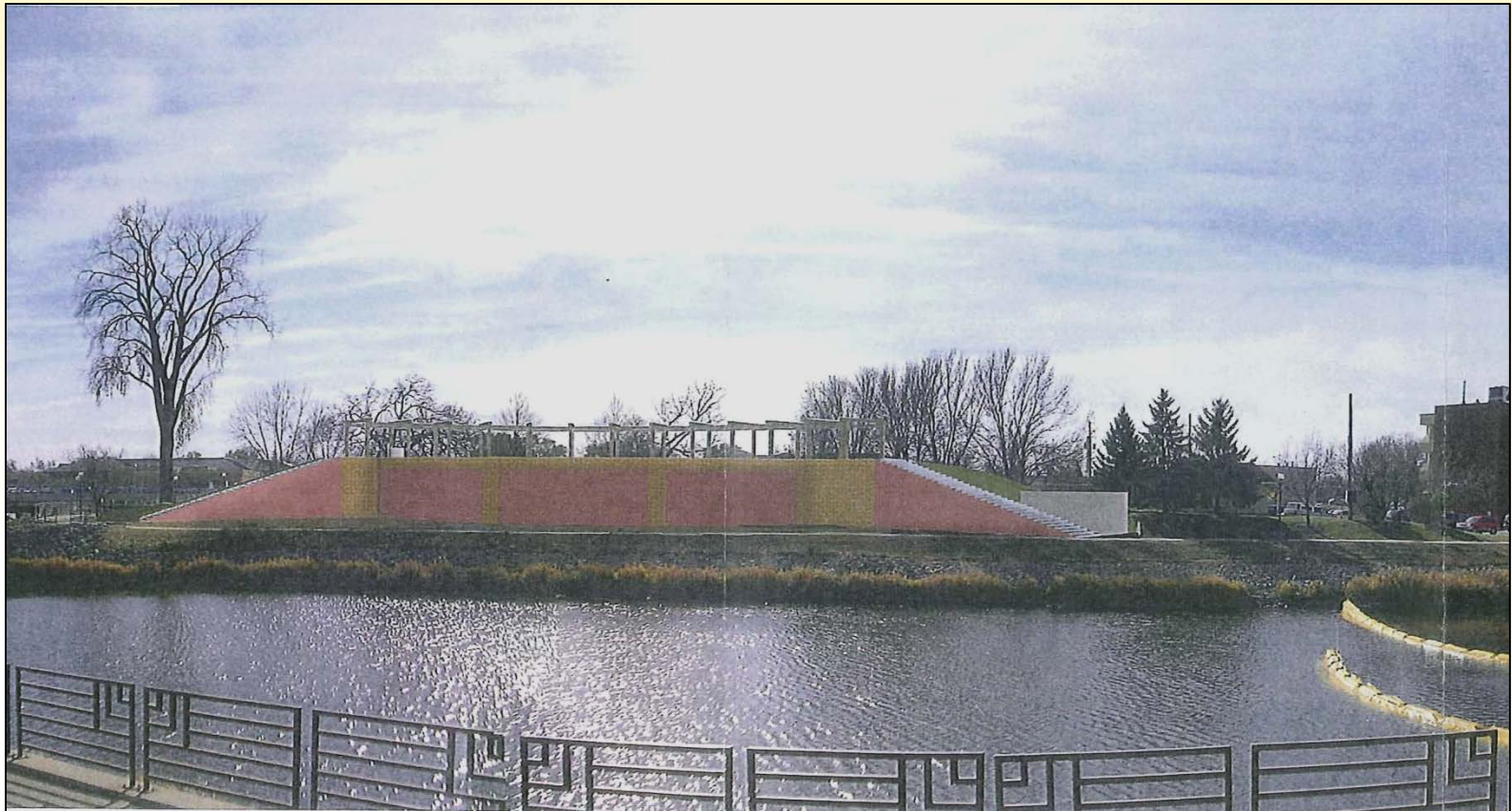
County Public Health Building

October 23, 2012

Current Replacement Site Alternatives

- **Alt A - 2.0 MG Reservoir @ 4th St SE site (with enhancements)**
- **Alt A2 - 2.0 MG Reservoir @ 4th St SE site (w/o enhancements)**
- **Alt B - 2.0 MG Hydropillar (water tower) @ 4th St SE site**
- **Alt E2 - 2.0 MG Hydropillar @ Mayo Fullerton site SE**
- **Alt G - 3.5 MG Reservoir @ Existing 1.5 MG Reservoir site SW
(4th St and 10th Ave SW)**

Alt A - 2.0 MG Reservoir @ 4th St SE site (with Enhancements)



Alt A2 - 2.0 MG Reservoir @ 4th St SE site (without Enhancements)



Alt B - 2.0 MG Hydropillar @ 4th St SE site



Alt E2 - 2.0 MG Hydropillar @ Mayo Fullerton site SE



Alt E2 - 2.0 MG Hydropillar

@ Mayo Fullerton site SE

(View from 6th St & South Broadway Looking North)



Existing 1.5 MG Reservoir @ 4th St and 10th Ave SW



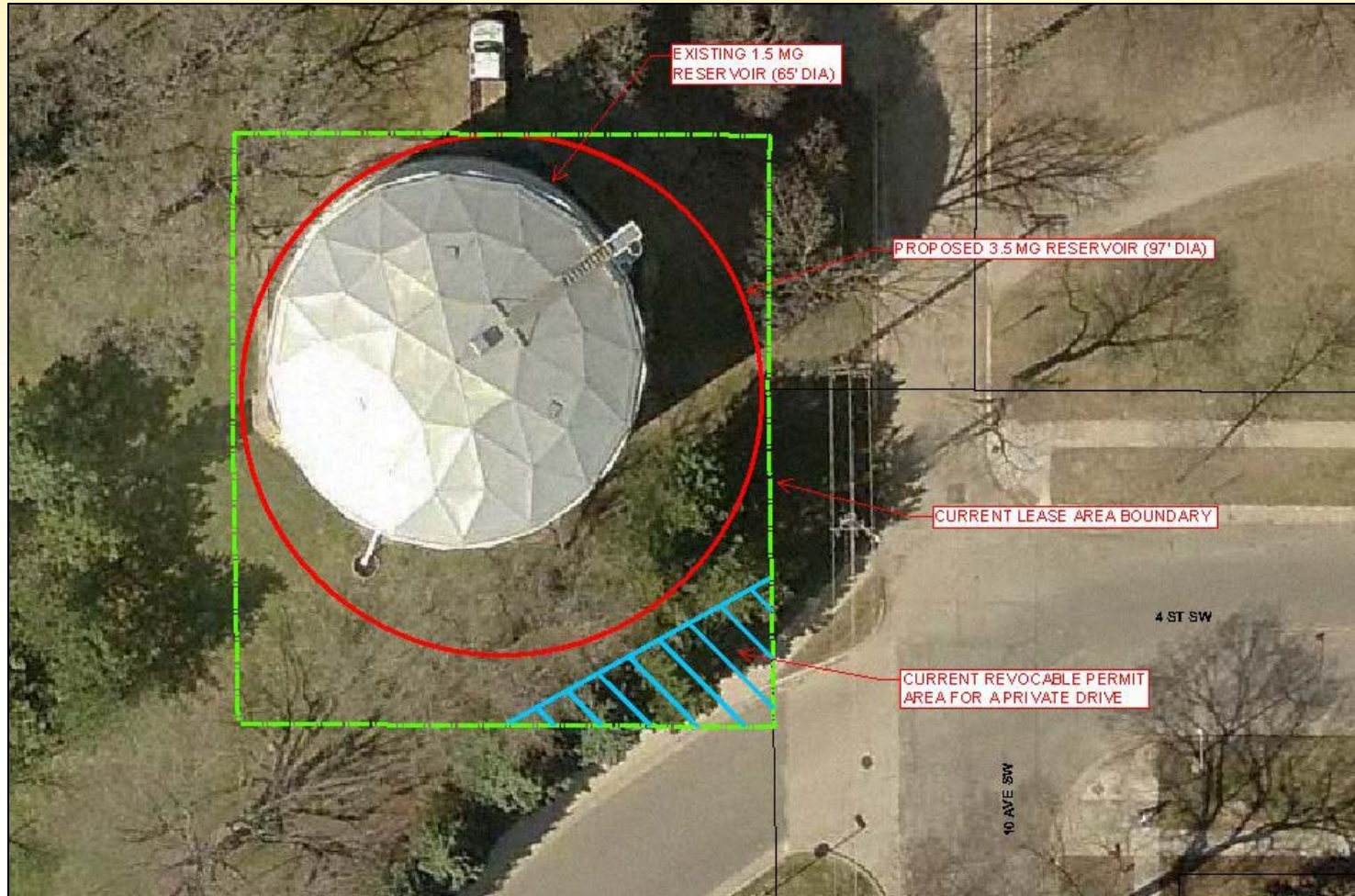
Alt G - 3.5 MG Reservoir

@ 4th St and 10th Ave SW



Alt G - 3.5 MG Reservoir

@ 4th St and 10th Ave SW



Alt G - Comparison w/ Future Alternative's Costs)

Storage Facility	Location	Estimated Construction Cost	Estimated Annual Operation & Maintenance	Alternatives	Construction Cost Above Alternative G	Annual Operation Maintenance Cost Above Alternative G
Single Storage Facility						
3.5 M.G. Reservoir	1.5 MG Site Leased Land	\$3,418,100	\$10,000	G	\$0	\$0
Two Storage Facilities						
2.0 M.G. Reservoir w/o Enhancements	4 th Street SE Reservoir Site	\$3,070,100	\$30,000	A2		
Replace 1.5 M.G. Reservoir	4 th St & 10 th Ave SW	\$1,735,200	\$10,000	Future		
Estimated Total Cost		\$4,805,300	\$40,000		\$1,387,200	\$30,000
Two Storage Facilities						
2.0 M.G. Reservoir with Enhancements	4 th Street SE Reservoir Site	\$3,302,900	\$40,000	A		
Replace 1.5 M.G. Reservoir	4 th St & 10 th Ave SW	\$1,735,200	\$10,000	Future		
Estimated Total Cost		\$5,038,100	\$50,000		\$1,620,000	\$40,000
Two Storage Facilities						
2.0 M.G. Elevated	4 th Street SE Reservoir Site	\$4,255,500	\$90,000	B		
Replace 1.5 M.G. Reservoir	4 th St & 10 th Ave SW	\$1,735,200	\$10,000	Future		
Estimated Total Cost		\$5,990,700	\$100,000		\$2,572,600	\$90,000
Two Storage Facilities						
2.0 M.G. Elevated	Fullerton Site SE	\$4034,100	\$90,000	E2		
Replace 1.5 M.G. Reservoir	4 th St & 10 th Ave SW	\$1,735,200	\$10,000	Future		
Estimated Total Cost		\$5,769,300	\$100,000		\$2,351,200	\$90,000