



Legislation Details (With Text)

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File created:	7/18/2016	In control:		City Council	
On agenda:	8/2/2016	Final action:			
Title:	Consideration to Approve Plans and Specifications and Authorize Advertisement for Bid for the 2015 Well House No. 6 Project.				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	1. 1 - Resolution, 2. 2 - Well House with Park Shelter, 3. 3 - Well House with Park Shelter, 4. 5 - Project Process - Well House_Well No 6, 5. 4 - Estimated Costs 2, 6. 6 - Draft Plans, 7. 7 - Draft Specifications				

Date	Ver.	Action By	Action	Result
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City Council Meeting Date:

To: Mayor and City Council
City Administrator

From: David Bennett, P.E., Public Works Director/City Engineer
Doug Lien, Utilities Manager
Justin Wagner, Utilities Foreperson

Consideration to Approve Plans and Specifications and Authorize Advertisement for Bid for the 2015 Well House No. 6 Project.

Action Requested:

Staff recommends approval of the Resolution Approving Plans and Specifications and Authorizing Advertisement for Bid for the 2015 Well House No. 6 Project (WATR 2015-K07).

Summary Report:

On January 5, 2016, City Council authorized staff to prepare the plans and specifications for the 2015 Well House No. 6 Project (WATR 2015-K07) along with Bolton and Menk, Inc. as the Professional Engineer for the project. Staff is now requesting the City Council to consider approving the Plans and Specifications and Authorize Advertisement for Bid.

Staff and Bolton and Menk, Inc. develop different renderings that were brought forward to the City Council at the work session on April 12, 2016. Based upon the City Council's comments, staff along with Bolton and Menk, Inc. has developed a new building design, Attachment 2 and 3, which resembles the park shelter at the Spring Creek Soccer Complex. The plans and specifications are available on the City project page on the website located at <http://ci.northfield.mn.us/index.aspx?NID=1071>. The City Council also asked staff to

change the driveway layout to come off the parking lot, which has been done, and to look into building a picnic shelter as an attachment to the well house. The picnic shelter is going as an alternative to the base bid so that the City Council will be able to consider it based upon the total project cost.

The building has been designed to meet current federal, state and local regulations along with staff's needs. The interior design of Well House No. 6 has been designed to resemble well 5 with the addition of an extra chemical room to meet current requirements. A rain garden has been developed to meet stormwater best management practices for the impervious surfaces being constructed.

The construction of the well house and pumping equipment is the final stage in the well house project. This will give the City an additional well which is capable of producing 1350 gallons per minute of water. The addition of this well will bring the City to its projected needs for 2018 based upon the 2005 Comprehensive Water Plan completed by Short Elliot and Hendrickson, Inc. (SEH Inc.). Once Well No. 6 is put into production, it is anticipated, based up the Comprehensive Water Plan, that the City will have a sufficient water supply until 2035.

Alternative Options:

The City Council could decide to wait and allow the well to sit vacant and not produce any water; however, staff feels the well should be put into production to meet future needs of the City based upon a 2005 Comprehensive Water Plan created by SEH, Inc.

Financial Impacts:

The project budget is \$900,000 for the construction of the well house. With the final development of the plans, the project is about 12% above the project estimate. Staff feels that this is within reason and recommends going out for bids.

The table below shows the engineers estimate for costs and a full breakdown of the engineer's costs is attached (Estimated Costs).

<u>Item</u>	<u>Estimated Cost</u>
Well House 6	\$759,000
Xcel Energy Electric Extension	\$57,000
Contingency (10%)	\$75,000
Engineering	\$82,028
Driveway	\$49,800
Total	\$1,022,828
Park Shelter Alternative	\$91,000
Total w/ Park Shelter	\$1,113,828

Tentative Timelines:

See Project Process