AGENDA

HIGHLAND CITY WATER ADVISORY BOARD
Tuesday, July 09, 2019, 7:00 a.m.

Highland City West Conference Room, 5400 West Civic Center Drive, Highland Utah

CALL TO ORDER: Tavis Timothy, Chair
• Attendance – Tavis Timothy, Chair

APPROVAL OF MINUTES:

1. Approval of the April 16, 2019 meeting minutes.

PROJECT UPDATES:

1. Update on the water sources.

2. Review and action on a text amendment to the Engineer Standards and Specifications as they apply to park strip design criteria. Brent Wallace

3. Update on well #3 rehabilitation.

DISCUSSION ITEMS:

4. Grant application.

OTHER BUSINESS:

BOARD COMMENTS AND SUGGESTIONS:

ADJOURNMENT:

NEXT MEETING: ______________________ at 7:00 a.m.

CERTIFICATE OF POSTING
The undersigned duly appointed City Recorder does hereby certify that on this 3rd day of July, 2019 the above agenda was posted in three public places within Highland City limits. Agenda also posted on State (http://pmn.utah.gov) and City websites (www.highlandcity.org).

JoAnn Scott, Community Dev./Public Works Coordinator

• In accordance with the Americans with Disabilities Act, Highland City will make reasonable accommodations to participate in the meeting.
• Requests for assistance can be made by contacting the City Recorder at 801-772-4505, at least 3 days in advance to the meeting.
• The order of agenda items may change to accommodate the needs of the Board, the staff and the public.

THE PUBLIC IS INVITED TO PARTICIPATE IN ALL CITY MEETINGS.
The Highland City Water Advisory Board met in a regular session on Tuesday, April 16, 2019 in the conference room at Highland City, 5400 W Civic Center Dr., Suite 100, Highland City, commencing at 7:00 a.m.

PRESENT: Tavis Timothy, Conducting
Mark Thompson
Brent Wallace
Jim Horrocks
David Bunker

STAFF PRESENT: Todd Trane
JoAnn Scott
Van Bond

OTHERS PRESENT: Tavis Timothy welcomed all present and called the meeting to order at 7:00 am.

APPROVAL OF MINUTES:

1. Action to approve the minutes of February 5, 2019

MOTION: Brent Wallace motioned to approve the minutes of February 5, 2019.
Seconded by Mark Thompson.

Yes - Tavis Timothy
Mark Thompson
Brent Wallace
Abstained - Jim Horrocks

Motion passes.

PROJECT UPDATES:

2. Review and action to recommend an amendment to the Planning Commission and City Council to adjust the park strip design criteria within the Engineer Standards and Specifications.

Brent Wallace presented a proposal that would be forwarded to City Planning Commission and City Council to eliminate park strips within Highland City. Mr. Wallace included references from other cities and commercial organizations that utilize a no park strip policy. Mr. Wallace stated that the Utah River Council is proactive in getting rid of park strips from his perspective. It is proposed that the sidewalks be wider so that two people can walk side by side. He also proposed that rolled gutter and not high-back curb be used.

Todd Trane stated that such a change would need to be presented to the Planning Commission first and then move to the City Council for action. Highland City would need to develop a cross section to address the proposed change. Todd stated that it would be well to send out the proposal and get comments back from this board. After receiving comment, revisions could be made. Todd stated that the sidewalk width is now 5 feet and not 4 feet which was the old standard. Todd asked if the 5-foot sidewalk were sufficient. Jim Horrocks stated that if there is
a combo curb and gutter, the sidewalk ought to be 6 feet. Todd will look at the standards and make sure that all issues are addressed. Jim stated that the high back curb has a better carrying storm water capacity than the rolled curb. Todd stated that he would prefer the high-back curb as the standard.

Todd stated that there are problems with planter strips. Brent’s objective is to do away with the excess watering of the grass in planter strips. David Bunker stated that trees in the planter strip are nice, but if the planter strip is eliminated, the trees get pushed back into the property. Brent stated that often times the trees become over grown and make the sidewalks unusable.

Tavis asked if this change would alter the right-of-way width. Todd stated that this is a potential problem and he would like to keep the standard right-of-way width. There also needs to be somewhere for utilities to be placed.

Mark stated that originally the purpose of the park strip was to facilitate a mail box and give room for snow removal. There is differing opinion as to the current purpose of the park strip. Mark further stated that no matter how well you design the sprinklers, there will be over spray in park strips. Doing away with the park strip will change the placement of fire hydrants and water/pressurized irrigation meter cans. If you change the standard to eliminate park strips, there will need to be a change to place fire hydrants and meter cans on private property.

Jim stated that this board should only address water conservation issues of the park strip and not get too involved in the engineering and planning issues. Mark stated that while this is true, these items could be brought up by the Planning Commission and City Council.

Brent stated that there are some communities that are offering incentives to residents to do away with park strips. Todd indicated that the City is working on a xeriscape ordinance.

Van concurred with the proposal to do away with the planter strips.

Brent committed to send out the proposal digitally to this board for their review and action at the meeting in July.

3. **Update on work done to Well #3.**

Van updated the board members on the work that had been performed on the culinary well #3 at 6400 West 10400 North. Petersen Brothers Drilling Company pulled their equipment out of the well house. They are working to lower the level of the well and performed a test that showed they were able to pump between 800 and 900 gallons per minute with only minor sanding. The will continue to work with Tavis and Nickerson Company on the pump size that will pump from the 400-foot level. The draw down testing went well and the well is a good producer. Todd stated that to begin with it was giving them a little trouble but after some cleaning, it is doing much better. There was some concern that the gravel packing was not sufficient and that there may need to be more to help reduce the sand.

Tavis stated that the ground water level had dropped 30 feet since the last rehabilitation was done in the 1990’s. The work was done to make sure that there was not going to have a problem with biofouling. Tavis stated that biofouling is a naturally occurring bacteria. The well has been cleaned and scrubbed.
There has been a problem in the past where the well drill pipe is reduced or has an hourglass shape. There is now a way to get the transducer down in the well. Mark stated that the wells may have to be pumped at a lower volume. Tavis acknowledged that the draw down has been good. It is anticipated that the well will be up and running in about 1-1/2 months. Van stated that he would like to have it up and running as soon as possible.

Brent asked what the aquifer recharge time is when you have a good water year. Tavis stated that it can vary from 2 – 3 years. Dave indicated that most source protections show up to 5 years. He states that the problem is that every community is pulling on the ground water resources. The water is over adjudicated by the state. Dave stated that we may have to go to deeper depths or drill more wells in the future to keep up with demand.

4. **Report on the 2018 metered outdoor water usage.**

Tavis provided some data based on City utility accounts. Data shows that the culinary users are using less than the PI users for outdoor watering. It is hypothesized that this is due to the fact that the cost of the culinary water goes up because it is metered.

Brent asked if a smart water system would help in the watering and conservation. Tavis stated that there is a 30% to 40% drop between the culinary outdoor water users and the pressurized irrigation users. Todd speculated that the problem with Highland is that the residents are not ‘hands-on’ and rely on the landscaper. He stated that until we meter, people will not change their habits. Meters are the only solution.

Todd stated that Highland City has been looking at grants that would help in the purchase of PI meters. The City would still need to match the grant 50%. Todd states that staff is working with the City Council to have the match funding. It is estimated that this is a $3 million project and it get ¾ of the residents on meters. All new development has meters installed.

The State is requiring that the cities have a plan submitted to them to install pressurized irrigation meters by December 31, 2019. As it gets closer, the grants will not be available.

Todd stated that if we are charging for water use overage, the usage would go down. People in general are using more water than has been allocated at development. Mark would like to see the penalty for noncompliance be that the resident gets shut off.

**DISCUSSION ITEMS:**

5. **Annual water conservation public education.**

The new water conservation ordinance information will be going out in May’s newsletter. The new ordinance will have enforcement elements and a means of imposing fines. Dave stated that the wind in the evening is a problem and that he would advocate that daytime watering is better. He feels that the wind is more of a problem than the sun. That is his thought.

**OTHER BUSINESS:**

**ADJOURNMENT:**

Motion to adjourn by Mark, and seconded by Brent.

NEXT MEETING: **July 9, 2019** at 7:00 a.m.