



## HIGHLAND CITY

### 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](http://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.**

1 **HIGHLAND CITY WATER ADVISORY BOARD**

2 **Tuesday, April 16, 2019, 7:00 a.m.**

3  
4 The Highland City Water Advisory Board met in a regular session on Tuesday, April 16, 2019 in  
5 the conference room at Highland City, 5400 W Civic Center Dr., Suite 100, Highland City,  
6 commencing at 7:00 a.m.

7  
8 **PRESENT:** Tavis Timothy, Conducting  
9 Mark Thompson  
10 Brent Wallace  
11 Jim Horrocks  
12 David Bunker

13  
14 **STAFF PRESENT:** Todd Trane  
15 JoAnn Scott  
16 Van Bond

17  
18 **OTHERS PRESENT:**

19 Tavis Timothy welcomed all present and called the meeting to order at 7:00 am.  
20

21 **APPROVAL OF MINUTES:**

- 22  
23 1. Action to approve the minutes of February 5, 2019  
24

25 **MOTION: Brent Wallace motioned to approve the minutes of February 5, 2019.**

26 Seconded by Mark Thompson.

27 Yes - Tavis Timothy  
28 Mark Thompson  
29 Brent Wallace  
30 Abstained - Jim Horrocks

31 Motion passes.  
32

33 **PROJECT UPDATES:**

- 34  
35 2. **Review and action to recommend an amendment to the Planning Commission and City**  
36 **Council to adjust the park strip design criteria within the Engineer Standards and**  
37 **Specifications.**  
38

39 Brent Wallace presented a proposal that would be forwarded to City Planning Commission and  
40 City Council to eliminate park strips within Highland City. Mr. Wallace included references  
41 from other cities and commercial organizations that utilize a no park strip policy. Mr. Wallace  
42 stated that the Utah River Council is proactive in getting rid of park strips from his perspective.  
43 It is proposed that the sidewalks be wider so that two people can walk side by side. He also  
44 proposed that rolled gutter and not high-back curb be used.  
45

46 Todd Trane stated that such a change would need to be presented to the Planning Commission  
47 first and then move to the City Council for action. Highland City would need to develop a cross  
48 section to address the proposed change. Travis stated that it would be well to send out the  
49 proposal and get comments back from this board. After receiving comment, revisions could be  
50 made. Todd stated that the sidewalk width is now 5 feet and not 4 feet which was the old  
51 standard. Todd asked if the 5-foot sidewalk were sufficient. Jim Horrocks stated that if there is

52 a combo curb and gutter, the sidewalk ought to be 6 feet. Todd will look at the standards and  
53 make sure that all issues are addressed. Jim stated that the high back curb has a better carrying  
54 storm water capacity than the rolled curb. Todd stated that he would prefer the high-back curb as  
55 the standard.

56  
57 Todd stated that there are problems with planter strips. Brent's objective is to do away with the  
58 excess watering of the grass in planter strips. David Bunker stated that trees in the planter strip  
59 are nice, but if the planter strip is eliminated, the trees get pushed back into the property. Brent  
60 stated that often times the trees become over grown and make the sidewalks unusable.

61  
62 Tavis asked if this change would alter the right-of-way width. Todd stated that this is a potential  
63 problem and he would like to keep the standard right-of-way width. There also needs to be  
64 somewhere for utilities to be placed.

65  
66 Mark stated that originally the purpose of the park strip was to facilitate a mail box and give  
67 room for snow removal. There is differing opinion as to the current purpose of the park strip.  
68 Mark further stated that no matter how well you design the sprinklers, there will be over spray in  
69 park strips. Doing away with the park strip will change the placement of fire hydrants and  
70 water/pressurized irrigation meter cans. If you change the standard to eliminate park strips, there  
71 will need to be a change to place fire hydrants and meter cans on private property.

72  
73 Jim stated that this board should only address water conservation issues of the park strip and not  
74 get too involved in the engineering and planning issues. Mark stated that while this is true, these  
75 items could be brought up by the Planning Commission and City Council.

76  
77 Brent stated that there are some communities that are offering incentives to residents to do away  
78 with park strips. Todd indicated that the City is working on a xeriscape ordinance.

79  
80 Van concurred with the proposal to do away with the planter strips.

81  
82 Brent committed to send out the proposal digitally to this board for their review and action at the  
83 meeting in July.

### 84 85 **3. Update on work done to Well #3.**

86  
87 Van updated the board members on the work that had been performed on the culinary well #3 at  
88 6400 West 10400 North. Petersen Brothers Drilling Company pulled their equipment out of the  
89 well house. They are working to lower the level of the well and performed a test that showed  
90 they were able to pump between 800 and 900 gallons per minute with only minor sanding. The  
91 will continue to work with Tavis and Nickerson Company on the pump size that will pump from  
92 the 400-foot level. The draw down testing went well and the well is a good producer. Todd  
93 stated that to begin with it was giving them a little trouble but after some cleaning, it is doing  
94 much better. There was some concern that the gravel packing was not sufficient and that there  
95 may need to be more to help reduce the sand.

96  
97 Tavis stated that the ground water level had dropped 30 feet since the last rehabilitation was done  
98 in the 1990's. The work was done to make sure that there was not going to have a problem with  
99 biofouling. Tavis stated that biofouling is a naturally occurring bacteria. The well has been  
100 cleaned and scrubbed.

102 There has been a problem in the past where the well drill pipe is reduced or has an hourglass  
103 shape. There is now a way to get the transducer down in the well. Mark stated that the wells  
104 may have to be pumped at a lower volume. Tavis acknowledged that the draw down has been  
105 good. It is anticipated that the well will be up and running in about 1-1/2 months. Van stated  
106 that he would like to have it up and running as soon as possible.

107  
108 Brent asked what the aquifer recharge time is when you have a good water year. Tavis stated that  
109 it can vary from 2 – 3 years. Dave indicated that most source protections show up to 5 years. He  
110 states that the problem is that every community is pulling on the ground water resources. The  
111 water is over adjudicated by the state. Dave stated that we may have to go to deeper depths or  
112 drill more wells in the future to keep up with demand.

113

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

115

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

119

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

125

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

130

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

133

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

137

#### 138 **DISCUSSION ITEMS:**

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

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

146

#### 147 **OTHER BUSINESS:**

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#### 149 **ADJOURNMENT:**

150

151 Motion to adjourn by Mark, and seconded by Brent.

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