

TAYLOR WEST WEBER WATER IMPROVEMENT DISTRICT

2815 WEST 3300 SOUTH
WEST HAVEN, UTAH 84401

October 17, 2016

Weber County Planning Commission
2380 Washington Boulevard
Ogden, Utah 84401

To Whom It May Concern:

This is to inform you that **preliminary** approval has been given to provide culinary water only for 24 lots of the Saddlebred Acres subdivision to be located at the approximate address of 3900 West 2200 South in Taylor, Utah.

Requirements:

- *Water rights fee = \$69,648.00 (\$2,902 per lot) or 3 shares of Hooper or Wilson Irrigation (in District's name)
- *Secondary water = must hookup to Hooper Irrigation pressurized secondary water system.
- *Plan review fee = \$600.00 (\$25 per lot)

Final approval will be subject to meeting all of the requirements of the District and all fees/shares being paid and received.

Sincerely,

TAYLOR WEST WEBER WATER IMP. DIST.



Val Surrage - Manager

VS/sph

Expires 4/17/17



State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

Alan Matheson
Executive Director

DIVISION OF DRINKING WATER
Kenneth H. Bousfield, P.E.
Director

October 12, 2016

Val Surrage
Taylor West-Weber Water District
2815 West 3300 South
West Haven, Utah 84401

Dear Mr. Surrage:

Subject: **Plan Submittal Waiver**, Water Lines Serving Saddlebred Acres Subdivision, System #29019, File #10602

The Division of Drinking Water (the Division) received a Project Notification Form from your office for the Saddlebred Acres subdivision water line project with a request for a Plan Submittal Waiver in accordance with *R309-500-6(3)(b)* of the Utah Administrative Code on October 10, 2016. The Division also received a hydraulic modeling analysis certification and a certification stating that Plan Submittal Waiver conditions will be met prior to placing the new water lines in service for this project, both dated October 6, 2016 by Dan White, P.E.

Our understanding of the project is that 2,700 linear feet of 8-inch C900 DR14 PVC water lines, seven (7) fire hydrants, and associated valves will be constructed at the northwest corner of 400 South and 4300 West in western Weber County to connect the Saddlebred Acres subdivision to the Taylor-West Weber Water District. This project will add 24 new service connections to the water system.

Your water system has formally designated Dan White, P.E., as the Professional Engineer having direct responsibility for the entire water system in your letter to the Division dated August 23, 2012; and Dan White, P.E., as the Professional Engineer responsible for oversight of the hydraulic analysis for the entire water system in your letter to the Division dated August 23, 2012. The construction of the proposed water line project shall conform to the construction standards previously approved by the Division on September 10, 2012. The pipeline size is within the limits of Rule *R309-500-6(3)(b)(ii)* based on the population of 7,280 this water system currently serves. On this basis, **a Plan Submittal Waiver is hereby granted for the Saddlebred Acres subdivision water line project.** Please note that approvals or permits by the local authority or county may be necessary before beginning construction of this project.

Val Surrage
Page 2 of 2
October 12, 2016

Upon receiving this Plan Submittal Waiver, you may proceed with construction of the Saddlebred Acres subdivision water line project. Upon completion of construction and the Plan Submittal Waiver conditions certified by Dan White, P.E., you may place the new water lines in service. You are not required to obtain an Operating Permit for this project.

If you have any questions regarding this letter, please contact Camron Harry, of this office, at (801) 536-0087, or Ying-Ying Macauley, Engineering Section Manager, of this office, at (801) 536-4188.

Sincerely,



Kenneth H. Bousfield, P.E.
Director

CH/ym/mdb/hb

cc: Louis Cooper, Environmental Health Director, Weber-Morgan Health Dept, lcooper@co.weber.ut.us
Dan White, Gardner Engineering, dan@gecivil.com
Camron Harry, Division of Drinking Water, caharry@utah.gov

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State of Utah

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Environmental Quality

Alan Matheson
Executive Director

DIVISION OF DRINKING WATER
Kenneth H. Bousfield, P.E.
Director

October 14, 2016

Val Surrage
Taylor West-Weber Water District
2815 West 3300 South
West Haven, Utah 84401

Dear Mr. Surrage:

Subject: **Feasibility**, Drinking Water Service from Taylor-West Weber Water District for the Saddlebred Acres Subdivision Water Line Project, System #29019, File #10602

This is not Plan Approval.

The Division of Drinking Water (the Division) received your request concerning the capacity of the Taylor-West Weber Water District to provide drinking water service to the Saddlebred Acres Subdivision. Per the Division's database, the Taylor-West Weber Water District presently has 2,424 residential connections, 9 commercial connections, and 12 agricultural connections. The Saddlebred Acres Subdivision will add 24 new residential connections. The number of connections that may be served is based on (1) source water capacity, (2) storage capacity, and (3) available water rights. The Drinking Water Rule, *R-109-510* Minimum Sizing Requirements, requires a water system to be able to provide 800 gallons per day per equivalent residential connection (ERC) from its sources to meet peak day indoor demand, to be able to provide 400 gallons per ERC of storage for indoor use, and to be able to provide average yearly indoor demand which is 0.45 acre-feet per ERC based on water rights. Additional source capacity, storage, and water rights are required if the system provides water for outdoor use. The water system component with the least capacity determines the allowable number of connections.

SOURCE CAPACITY

The Taylor-West Weber Water District has the following approved drinking water sources and approved safe yields:

Source Number	Source Name	Safe Yield gpm
WS001	Big Well	900
WS002	Small Well	Inactive
WS003	Weber Basin WCD Consecutive Connection	2,000

WS004	900 South Well	Proposed
WS005	Shop Well	Proposed
	Total	2,900

In addition, the Taylor-West Weber Water District provides outside irrigation water for some of their connections. The attached capacity calculation worksheet estimates the required source capacity is 1,370.6 gpm for indoor used and 1,419.7 gpm for outdoor use. Based on source capacity, the Taylor-West Weber Water District has 109.8 gpm excess source capacity which is adequate to serve the Saddlebred Acres Subdivision.

STORAGE CAPACITY

The District has the following approved storage tanks in service:

Storage Tank Number	Source Name	Volume gallons
ST001	Million Gallon Tank	1,000,000
ST002	2 Million Gallon Tank	2,000,000
ST003	250 K Gallon Tank	250,000
ST004	Proposed	0
	Total	3,250,000

The attached capacity calculation worksheet estimates the required storage capacity is 2,127,808 gallons. This is based on a reserve of 120,000 gallons of water storage for fire suppression, and the balance of the storage being used for indoor and outdoor use storage. Based on storage capacity, the Taylor-West Weber Water District has 1,122,192 gallons of excess storage capacity which is adequate to serve the Saddlebred Acres Subdivision.

WATER RIGHTS

The Taylor-West Weber Water District has the following water rights for their sources:

Water Right Number	Amount (acre-feet)
35-1616	788.45
35-11723	930.77
Weber Basin WCD	465.3
Total	2,184.52

The attached capacity calculation worksheet estimates the required water rights of 1,780.55 acre-feet for indoor and outdoor use. Based on water rights, it appears that the Taylor-West Weber Water District has over 403.98 acre-feet of excess water rights which are adequate to serve the Saddlebred Acres Subdivision. However, please consult with Division of Water Rights for detailed interpretation and verification concerning water rights issues.

SUMMARY

There is no limiting component at present, which would prevent the Taylor-West Weber Water District from providing adequate drinking water service to the Saddlebred Acres Subdivision.

The Taylor-West Weber Water District submitted a project notification form for the Saddlebred Acres Subdivision water line project on October 10, 2016, and was granted a plan review waiver by the Division on October 12, 2016, which allows the construction of this subdivision to proceed once approval is granted by Weber County.

If you have any questions regarding this letter, you can contact me either by phone at (801) 536-0087 or e-mail caharry@utah.gov.

Sincerely,



Camron Harry, P.E.
Environmental Engineer III

Enclosure – Taylor-West Weber Water District Capacity Calculation – October 2016

CH/ym/Admin (processing)/Admin (mailing) [Initials]

cc: Louis Cooper, Environmental Health Director, Weber-Morgan Health Dept, lcooper@co.weber.ut.us
Dan White, Gardner Engineering, dan@gecivil.com
Camron Harry, Division of Drinking Water, caharry@utah.gov