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AUG 17 2018

Stewart Facility

STATE HISTORIC
PRESERVATION OFFICE

5500 Snyder Avenue, Carson City, NV 89701

Request for Permission to Undertake Structural or Visual Alterations

In accord with the requirements set forth in existing covenants, the State of Nevada Public Works Division is requesting written permission to undertake visual or structural alterations as described below:

Building Number and Name: Stewart Facility Complex

Building's Date of Construction: Spring-Summer 2019

Supplementary Information:

Please indicate if you have submitted the following-

- Written description of proposed work (*required; see second page*)
- Photographs of existing conditions (*required*)
- Sketches, plans, or architectural drawings depicting the proposed work
- Sketch or site plan of project location
- Specs of materials to be used
- Historic photographs depicting past condition or design
- Other

Request Submitted by:

Brian Wacker, PE

Print name

Signature

Agency - State Public Works Division
Title - Project Manager/Civil Engineer
Email address - bwacker@admin.nv.gov
Phone number - (775) 684-4116

Date of Request: 8/16/2018

Please allow up to 14 business days for this form to be processed. Proposed work must not begin until this form has been reviewed and approved by both the State Historic Preservation Office and the Nevada Indian Commission.

Please submit request form and supplementary materials to the State Historic Preservation Office, 901 S. Stewart St., Ste. 5004, Carson City, NV 89701-5248 or by email to rpalmer@shpo.nv.gov.

Stewart Indian School Complex

Request for Permission to Undertake Structural or Visual Alterations

REQUEST APPROVED BY:	
SHPO - <u>Jessica Aysom-Jones</u>	<u>2/15/2019</u>
<small>Print and sign name</small> see associated email for additional information	<small>Date</small>
Nevada Indian Commission - <u>Boyle Pahr</u>	<u>6/4/2019</u>
<small>Print and sign name</small>	<small>Date</small>
Nevada Division of State Lands - <u>Charles Donohue</u>	<u>5/29/19</u>
<small>Print and sign name</small>	<small>Date</small>

Description of Proposed Work:

Please provide a thorough written description of the proposed work, including-

- Location on building
- Approximate size of area affected
- Existing conditions
- Materials to be used
- Proposed methods (must follow the Secretary of the Interior's Standards)

(Use as many pages as needed)

The proposed work includes improvements to the potable water supply to the Stewart Complex by an expansion of the existing Carson City Public Works (CCPW) water system. The current CCPW water system provides fire protection to the center portion of the Complex along with potable water supply to Department of Corrections building (building #17) and the State Fire Marshal building (building #107). The expansion will provide potable water and fire protection with new infrastructure to all existing buildings on the Complex.

Repurposing of the existing Stewart Complex potable water system is required to address pipe age, lack of capacity, system water losses, and improve fire protection. The existing Stewart Complex potable water system is comprised mainly of 2-inch to 10-inch asbestos concrete pipe (ACP) ranging in age from nearly 60-75 years old. Industry standards indicate an expected life span of ACP at 50-70 years.

The new infrastructure is sized to meet fire protection requirements as well as provide potable water supply to the Complex under both existing and future full occupancy water demand conditions. Installation of new fire hydrants throughout the Complex will satisfy fire hydrant fire flow and spacing requirements set by the International Fire Code and State Fire Marshal. The new

Stewart Indian School Complex

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infrastructure will consist of approximately 6,000 feet of 8" Polyvinyl chloride (PVC) water mains, Polyethylene (PE) water services with individual meters to active and occupied buildings. The connection from the new water infrastructure to the existing water service lines into the building will be made outside of the building. New infrastructure is also planned outside of the Complex boundary near buildings #26, #65, the Stewart Church, Stewart Bldg-2, and Snyder Church. Figures 1 and 2, attached, depict the new infrastructure planned as part of the proposed work.

The existing Stewart Complex potable water system will remain intact and repurposed for irrigation and other non-potable uses. The existing fire hydrants will receive new fire hydrant markers to indicate they are out of service for use as fire protection. This is critical in the event of a fire on the Complex to alert the responding fire department of which hydrants are to be used. An example of an existing fire hydrant with a fire hydrant marker can be seen in Figure 3, attached. Figure 3 includes photos taken in general locations throughout the Stewart Complex where new infrastructure is proposed.

The new infrastructure will be installed below ground by conventional trenching methods, in a new trench, typically located within roadways. Trenching within asphalt pavement or concreted areas will receive a trench patch or concrete patch. All other areas will be restored to match existing conditions.

After completion and acceptance of the new water infrastructure, the Stewart Complex potable water system will no longer be permitted as a Nevada Public Water System. All responsibility of potable water supply and operations will be the responsibility of CCPW.