

OBSERVATION REPORT

PROJECT: Veterans Memorial Project #929

LOCATION: Saline County Courthouse
Wilber, Nebraska

DATE: July 27 and August 4, 2011

TIME: Evening on the 27th, Morning on the 4th

WEATHER: Sunny, 97° F, North wind @ 5-10 mph (27th)
Overcast, 75° F, West-southwest @ 0-5 mph (4th)

PRESENT: Saline County Veterans Memorial Committee – on site
Willis Luedke, Saline County – on site
Forrest Doyle, Saline County – on site
Dan Johnson, Saline County – on site (8/4 only)
Julie Anderson, Sunburst Memorials – on site
Don Hinds, Dickey and Burham – on site (8/4 only)
Marcus Zettler, Berggren Architects – on site

PURPOSE OF THE VISIT: To review the contractor's progress on the project, to update the Veterans Committee on the project, and to view the setting of the granite obelisk.

OBSERVATIONS:

The concrete flat work has been completed on the memorial. The concrete block and steel box for the kiosk has also been installed. Steel angles have arrived on site for the lintels above the future brick murals. The brick for the project is scheduled to be fired on August 22nd. The electrical installation was postponed to allow the granite crew more room to work. This work is scheduled to commence the second week in August. The flag poles have also been ordered, but are not yet on site.

The Veterans Committee officially voted prior to the stone setting to have the Army Combat Soldier etching facing south. This is the front of the memorial.

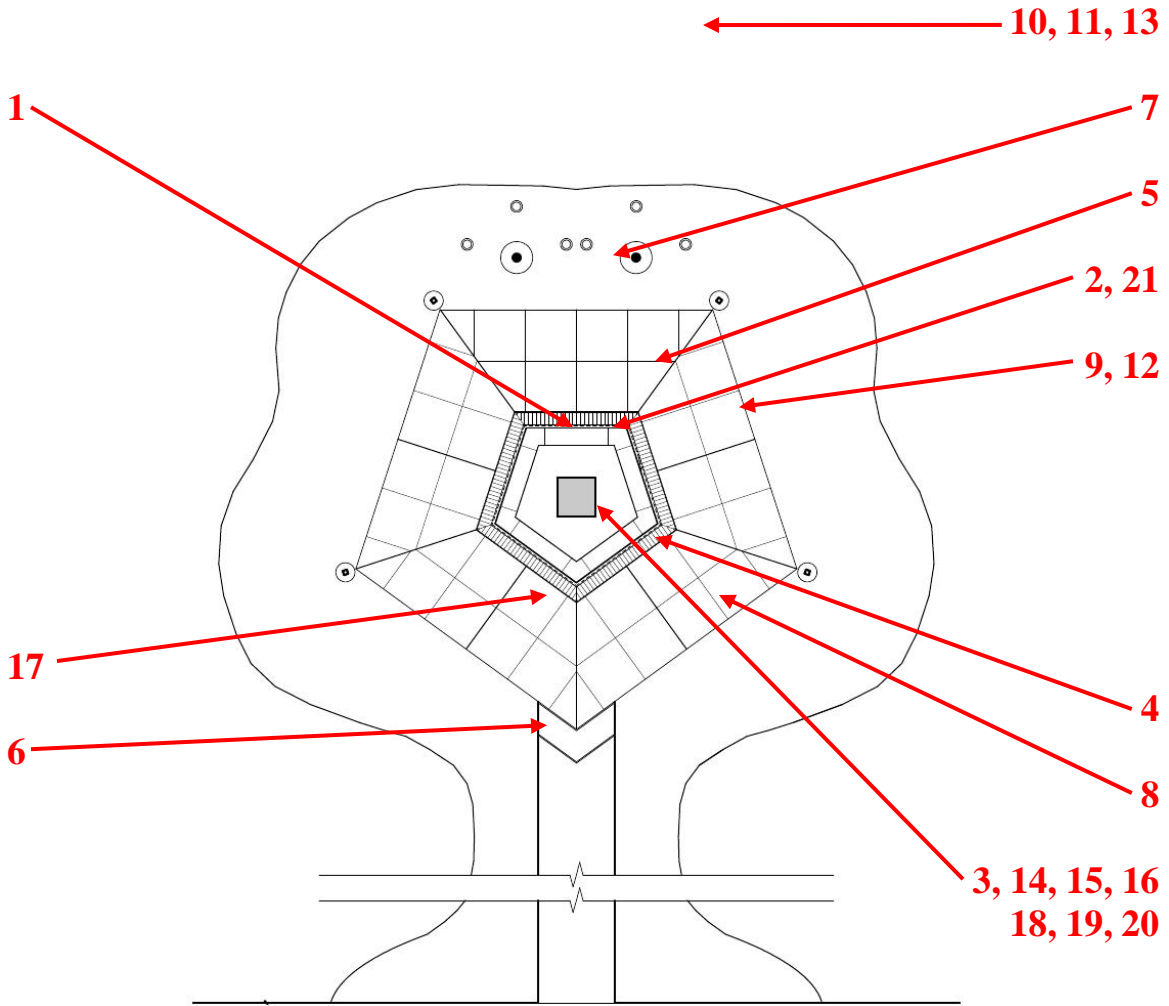
The concrete foundation was drilled to receive the four steel pins attached to the bottom of the granite. During the installation of the obelisk, the steel pins were interfering with the stone's alignment. The obelisk was raised off of its base, the last 2" of the pins were cut off, and the obelisk was realigned and lowered back onto its base. Liquid epoxy was reapplied to the pin slots



prior to resetting the obelisk. The putty epoxy was also added to the base for keeping water out of the space between the stone and the concrete. The stone then had the protective plastic film removed, and was cleaned by the stone setting crew.

It was noted that at least one limb on the maple tree next to the memorial will need to be removed prior to setting the flag poles.

Photos 1-7 were taken on July 27th, 2011. Photos 8-21 were taken on August 4th, 2011.



 **KEY PLAN**
SCALE: NONE



There are holes drilled through the bottom of the steel box to allow moisture to drain.

The steel box has two conduits fed to it, one for power and the other for data cables. The cables will not be installed until the final kiosk is selected in the next phase.



View of the steel box for the kiosk and the weep holes in the bottom face of the box.

The edge of the box is tapered to stay just inside the edge of the brick veneer that will be laid.

The trench shown here will be filled with brick pavers that will match the bricks used on the walls of the memorial.



Side view of the steel box showing taper for the brick veneer profile.

The concrete foundation for the obelisk was poured solid. The holes for the steel pins in the obelisk were drilled just prior to installation, see photo #8.



View of the obelisk base on the top of the memorial.



PVC sleeves were added to the trench for the brick pavers in order to allow moisture to drain.

The trench for the brick pavers goes around all five sides of the central pentagon.

Control joints have been created in the concrete as specified.



View of the slot for brick pavers and the weep holes in the base for drainage.

A limb will need to be removed from the maple tree in order to get the flag poles and lights installed.

The final grading will also need to be done prior to project completion. The dirt and regrading is included in the contract, but mulch/landscaping is not.

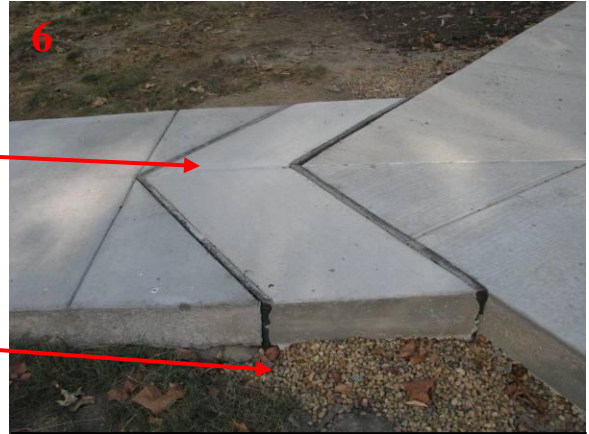


View of the memorial from the northeast.



This section of concrete has been designed to be removable, so that the outer most brick paver band can be added in either Phase II or III.

Top soil still needs to be added at the perimeter of the concrete.



View of the portion of the concrete walk that is removable for future brick paver installation.

Flag pole bases and sleeves have been installed and are ready to receive the flag poles.



View of the flag pole bases north of the memorial.

The granite crew core drilled four holes in the obelisk foundation to receive the steel pins that are attached to the bottom of the granite obelisk.



View of the obelisk foundation being prepped for the granite.



Two types of epoxy were used to set the granite obelisk. Liquid epoxy was used for the holes receiving the steel pins, while putty was used under the main portion of the obelisk base.



View of the epoxy products used to set the obelisk.

The obelisk was swung off the truck, between two trees and lowered onto a staging area.



View of the obelisk being lifted off the truck.

The obelisk was lowered onto a staging area, where the straps were switched in order to rotate the granite upright.

The four steel pins can be seen attached to the bottom of the obelisk in this picture.



View of the obelisk being lowered prior to tipping it upright.



Liquid epoxy was applied to the four holes receiving the steel pins just prior to setting the obelisk.

Putty epoxy was prepped for the flat portion of the foundation and rolled into long strings. These strings were placed around the perimeter of the base and formed a seal between the granite and concrete when the stone was placed.



View of the epoxy preparation and application.

After the straps were switched out on the crane, the obelisk was rocked up into its upright position. The obelisk was then rotated into its final orientation with the combat soldier facing south.



View of the crane as it tips the obelisk into the upright position.





Sequence of photos showing the setting of the granite obelisk.

The granite crew guided the granite obelisk into position and lowered the pins into the holes that were drilled in the concrete.

Small lead spacers were installed under the granite to allow the hoist straps to be removed.



View of the workers aligning the obelisk with the foundation prior to final setting.

During installation, one or more of the holes did not receive the entire steel pin(s). The obelisk was lifted, and approximately 2" of each pin was cut off prior to resetting the obelisk. Epoxy was reapplied to the holes prior to resetting the obelisk.



View of the workers cutting steel pins under the obelisk.



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View of the crane and memorial as the obelisk is set into its final location.



After the obelisk was set, the clamp used for hoisting the stone was removed.



View of the crew removing the clamp from the obelisk.

The protective plastic film was then removed from the obelisk revealing the etchings.



View of the crew removing the protective plastic film from the etchings on the granite.

A clean tight fit was achieved between the granite and concrete foundation.



View of the obelisk where it sits on the concrete foundation.



After the protective plastic film was removed, the granite was cleaned to remove any dirt and residue.



View of the granite obelisk from the northeast.

This ends the observation report for
July 27th and August 4th, 2011.

Respectfully submitted,

Marcus Zettler, Assoc. AIA

