

0-17-A

S P E C I F I C A T I O N S

FOR

THE CONCRETE WORK OF THE THOMPSON FOUNTAIN.

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The center of the foundation will be in the center line of Main Street, in the City of Portland, exactly half way between the east line of Fourth Street and the west line of Third Street.

The foundation will be octagonal in form and twenty-five (25) feet in diameter between the centers of parallel sides of the octagon.

The bottom of the foundation will be level and three (3) feet and four (4) inches below the established grade of the street at the center of the foundation.

The foundation will be three (3) feet and four (4) inches thick.

Built upon the foundation as heretofore specified, will be the granite work of the fountain, with concrete backing and filling.

The concrete under the reservoir will be twelve (12) inches thick above the established grade of the street at the center of the fountain, and the lining will be two inches thick, making the bottom of the reservoir fourteen (14) inches above the street grade.

Concrete for the foundation of the fountain shall be made of,
One part cement
Three parts Columbia River sand,
Six parts broken rock.

R O C K.

The rock for making the concrete to be clean, hard, basalt rock, broken so that all of it will pass through a hole $2\frac{1}{2}$ inches in diameter, and half of it through a hole $1\frac{1}{2}$ inches in diameter.

It must be screened clean of all dust, dirt, loam or vege-

table matter, and be thoroughly washed, if considered necessary by the Engineer.

C E M E N T.

All cement used in the foundation and the portion above street grade must be imported artificial Portland cement, and be approved by the City Engineer, who must have access to the cement at least ten (10) days before it is used.

S A N D.

The sand to be coarse, sharp Columbia sand and may contain a small percentage of fine gravel.

F O U N D A T I O N C O N C R E T E.

The concrete to be a mixture of cement, mortar and broken stone, prepared in the following manner:

M E A S U R I N G.

The proportions of the materials of the concrete must be measured in struck boxes, barrels or other measures satisfactory to the City Engineer.

One measure of cement and three measures of sand must be thoroughly mixed dry and made into a mortar with the least possible amount of clean water.

To the mortar shall be added six measures of broken stone as heretofore specified, the stone to be drenched with water but containing no loose water in the heap.

The broken stone and mortar shall be thoroughly mixed by turning over by hand until the ingredients are thoroughly mixed and the mass a uniform color throughout.

After mixing, the concrete will be immediately deposited in place in layers six inches thick and be rammed until the mortar flushes to the surface.

The mortar and concrete shall not be mixed in greater quan-

titles than is required for immediate use, and none remaining unused until having set shall again be re-mixed or used in any way.

C O N C R E T E F I L L I N G.

The Concrete filling used on the grade of the street will be the same as above specified, provided the rock used shall not be larger than will pass through a hole two inches in diameter. All the concrete will be deposited in layers six inches thick.

The surface of the concrete to receive the granite blocks must be finished smooth and the blocks must be laid when the mortar is soft and adhesive.

The interior bottom lining of the reservoir must be two inches of mortar made of one measure of cement and one measure of clean Columbia River sand. It must be trowelled down until the bottom is smooth and according to the architect's plan.

E X C A V A T I O N.

In excavating for the foundation, if the contractor excavates a larger space than is required by this specification, the extra space shall be filled with concrete at the contractor's cost.

The bottom of the excavation shall be made hard by ramming before any concrete is deposited thereon.

After the concrete work is completed, the contractor shall remove all mud, earth and debris from the site of the fountain.

The contractor shall maintain red lights at night in such number, and placed in such a manner, as to warn pedestrians and drivers of danger.

All the work herein specified shall be done in a good and workmanlike manner and according to the plans furnished by the architect for the construction of the fountain.