

24062 Riverside Dr  
St. Paul  
FP 98-6



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**Boatwright Engineering Inc.**

2613 12th ST SE, SALEM, OREGON 97302  
civil engineers • land surveyors

(503) 363-9225 (FAX) 363-1051

MARION COUNTY  
PLANNING DEPARTMENT

MAY 20 1998

May 20, 1998

Marion County Building Inspector  
3150 Lancaster Drive NE  
Salem, Oregon

ATTENTION: Mr. Don Woodley, Marion County Building Inspection

Marion County Planning  
3150 Lancaster Drive NE  
Salem, Oregon

ATTENTION: Mr. Norm Bickel

RE: FLOOD PLAIN DEVELOPMENT CERTIFICATION  
HEIRLOOM OLD GARDEN ROSES, SECTION 31, TOWNSHIP 3 SOUTH,  
RANGE 2 EAST, WILLAMETTE MERIDIAN, MARION COUNTY, OREGON  
TAX LOT #40118-015

Gentlemen,

We have been retained by Randy Yates, Facilities Manager, Heirloom Old Garden Roses to assist in the development of flood plain development certification in the Willamette River Flood Plain mile 51.5 for a replacement shop building on site.

During my earlier visit to the site the location of a shop building was inspected just east of the residence on site, where the building had been tore down, but the concrete slab and footings remained. This slab was about 1' below the 100 year flood plain water surface (99.40). The new shop slab floor varies from 18" to 21" below the top of the footing stem wall (with an identified elevation of 101.05), see attached letter from Barker Surveying. The slab was poured 18" to 21" below the stem wall top at a date after Barker' survey.

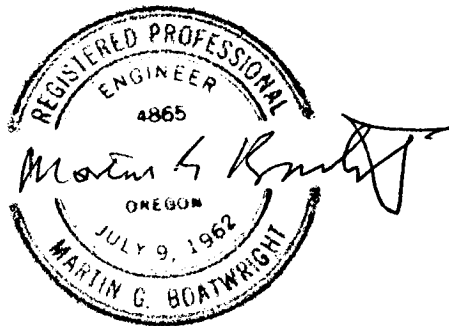
A shop building at this location in the flood plain will not have any significant impact on the flood waters of the Willamette River, as the location is on high river bottom lands adjacent to a residence above the 100 year flood level and the occupancy of the site with a historic shop

building built long before there was any flood plain criteria to be considered.

There is no significant velocities in the vicinity of the building. The finish floor is 99.55 to 99.30, so there would be a maximum depth of 0.1' of water during the occurrence of a 1% frequency storm on part of the shop floor. The building is used as a shop for the repair and storage of farm equipment that would not sustain any damage if flood waters to a depth of 0.1" or 1.2" were to occur on a small section of the shop floor.

The building has the ability to resist flood water forces for water varying from 0 to 1' deep around the structure and the low current velocities historic at the site.

I, Martin G. Boatwright, Registered Professional Engineer #4865 in the State of Oregon certify this building will not be adversely effected by the flood waters during a 1% frequency storm and that it posses the ability to resist lateral and boundary forces that would result from such a flood event.



Give me a call if you have any questions.

Yours truly,

A handwritten signature in black ink that reads "Martin G. Boatwright".

Martin G. Boatwright, P.E.

Enclosure: Elevation Certification From Barker Surveying

CC: Randy Yates, Heirloom Old Garden Roses

MGB/kv

**BARKER SURVEYING CO.**  
 2035 - 25th STREET S.E. • SALEM, OREGON 97302

March 19, 1998

Heirloom Old Garden Roses  
 24062 Riverside Drive NE  
 St. Paul, Oregon

Re: New Building Construction

To whom it may concern:

I, Clarence E. Barker, an Oregon Registered Land Surveyor do hereby certify that I have determined the elevation of the top of the concrete foundation walls to be at an elevation of 101.05 feet above sea level and that the Base Flood Elevation for this area is 99.4 feet above sea level.

*Clarence E. Barker*  
 Clarence E. Barker, PLS

REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR

*Clarence E. Barker*

OREGON  
 APR 21 1998  
 CLARENCE E. BARKER  
 635