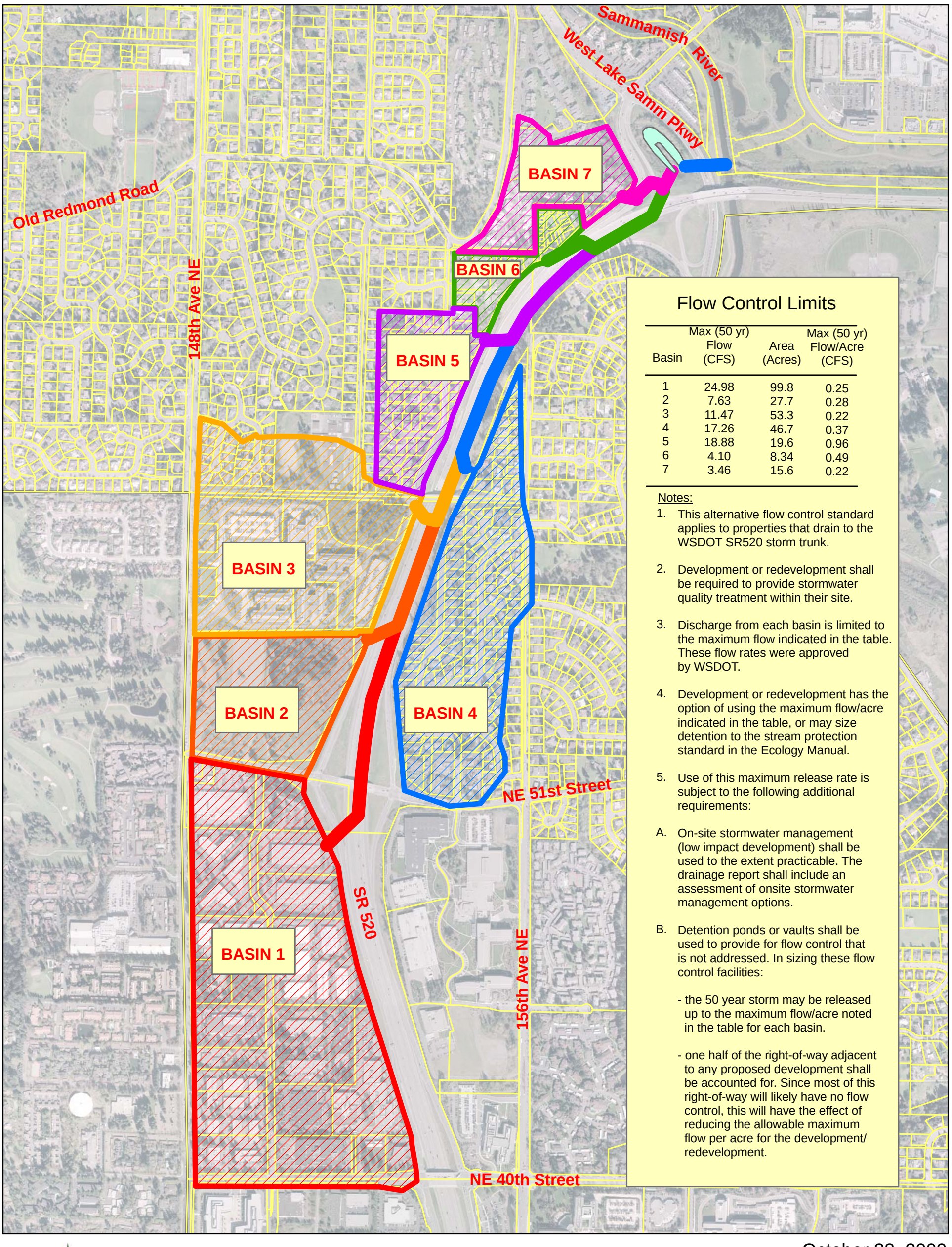
Appendix R
North Overlake Flow Control Standard

CITY OF REDMOND PUBLIC WORKS
NORTH OVERLAKE DRAINAGE AREA
ALTERNATIVE FLOW CONTROL STANDARD



Flow Control Limits

Basin	Max (50 yr) Flow (CFS)	Area (Acres)	Max (50 yr) Flow/Acre (CFS)
1	24.98	99.8	0.25
2	7.63	27.7	0.28
3	11.47	53.3	0.22
4	17.26	46.7	0.37
5	18.88	19.6	0.96
6	4.10	8.34	0.49
7	3.46	15.6	0.22

Notes:

1. This alternative flow control standard applies to properties that drain to the WSDOT SR520 storm trunk.

2. Development or redevelopment shall be required to provide stormwater quality treatment within their site.

3. Discharge from each basin is limited to the maximum flow indicated in the table. These flow rates were approved by WSDOT.

4. Development or redevelopment has the option of using the maximum flow/acre indicated in the table, or may size detention to the stream protection standard in the Ecology Manual.

5. Use of this maximum release rate is subject to the following additional requirements:

A. On-site stormwater management (low impact development) shall be used to the extent practicable. The drainage report shall include an assessment of onsite stormwater management options.

B. Detention ponds or vaults shall be used to provide for flow control that is not addressed. In sizing these flow control facilities:

- the 50 year storm may be released up to the maximum flow/acre noted in the table for each basin.

- one half of the right-of-way adjacent to any proposed development shall be accounted for. Since most of this right-of-way will likely have no flow control, this will have the effect of reducing the allowable maximum flow per acre for the development/ redevelopment.

October 28, 2009

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