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Downstream Effects - Additional Locations Stage Hydrograph for Park River at 153rd Avenue NE 818.0 Existing Conditions - 2-year Event Exisitng Proposed Event Difference (ft) Existing Conditions - 5-year Event Elevation (ft) Elevation (ft) Existing Conditions - 10-year Event 2-year 808.60 808.59 -0.01 Existing Conditions - 25-year Event 816.0 810.12 810.12 0.00 5-year Existing Conditions - 50-year Event 10-year 811.19 811.18 -0.01 Existing Conditions - 100-year Event 25-year 812.14 812.13 -0.01 Proposed Drain 80 Improvements - 2-year Event 813.00 813.02 0.02 50-year Proposed Drain 80 Improvements - 5-year Event 814.0 100-year 813.83 813.86 0.03 Proposed Drain 80 Improvements - 10-year Event Proposed Drain 80 Improvements - 25-year Event Proposed Drain 80 Improvements - 50-year Event 812.0 Proposed Drain 80 Improvements - 100-year Event Stage (ft, NAVD88) 810.0 808.0 806.0 804.0 802.0 800.0 3 4 5 10 Time (days)

Downstream Effects - Additional Locations Stage Hydrograph for Park River at 156th Avenue NE 806.0 Existing Conditions - 2-year Event Exisitng Proposed Event Difference (ft) Existing Conditions - 5-year Event Elevation (ft) Elevation (ft) Existing Conditions - 10-year Event 2-year 793.70 793.71 0.01 Existing Conditions - 25-year Event 804.0 794.71 794.73 0.02 5-year Existing Conditions - 50-year Event 10-year 795.91 795.91 0.00 Existing Conditions - 100-year Event 25-year 798.00 798.04 0.04 Proposed Drain 80 Improvements - 2-year Event 799.79 799.83 50-year 0.04 Proposed Drain 80 Improvements - 5-year Event 802.0 100-year 801.40 801.44 0.04 Proposed Drain 80 Improvements - 10-year Event Proposed Drain 80 Improvements - 25-year Event Proposed Drain 80 Improvements - 50-year Event Proposed Drain 80 Improvements - 100-year Event Stage (ft, NAVD88) 798.0 796.0 794.0 792.0 790.0 788.0 3 4 5 10 Time (days)

Downstream Effects - Additional Locations Stage Hydrograph for Park River at US Interstate 29 806.0 Existing Conditions - 2-year Event Exisitng Proposed Event Difference (ft) Existing Conditions - 5-year Event Elevation (ft) Elevation (ft) Existing Conditions - 10-year Event 804.0 2-year 790.73 790.74 0.01 Existing Conditions - 25-year Event 792.69 792.71 0.02 5-year Existing Conditions - 50-year Event 10-year 794.15 794.16 0.01 Existing Conditions - 100-year Event 796.29 796.33 0.04 25-year Proposed Drain 80 Improvements - 2-year Event 798.08 798.12 50-year 0.04 Proposed Drain 80 Improvements - 5-year Event 0.04 100-year 799.70 799.74 Proposed Drain 80 Improvements - 10-year Event 800.0 Proposed Drain 80 Improvements - 25-year Event Proposed Drain 80 Improvements - 50-year Event Proposed Drain 80 Improvements - 100-year Event 798.0 Stage (ft, NAVD88) 796.0 792.0 790.0 788.0 786.0 784.0 4 5 10 Time (days)