

Facilities	Available Fire Flow	Pipe Network Diameter	Pipe Network Diameter
Booster Station	< 75 l/s	50mm	450 mm
Reservoir	75 - 150 l/s	100 mm	500 mm
Water Treatment Plant	150 - 180 l/s	150 mm	600 mm
Pressure Reducing Valve	180 - 233 l/s	200 mm	750 mm
Red Deer City Limits	233 - 300 l/s	250 mm	900 mm
Growth Analysis Boundaries	300 - 400 l/s	300 mm	1050 mm
Available Fire Flow in l/s	> 400 l/s	350 mm	1200 mm
		400 mm	>1200 mm

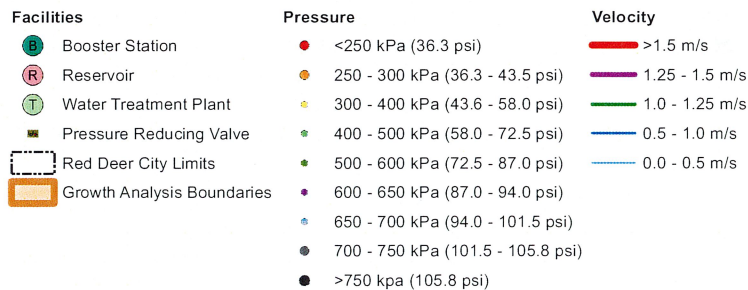
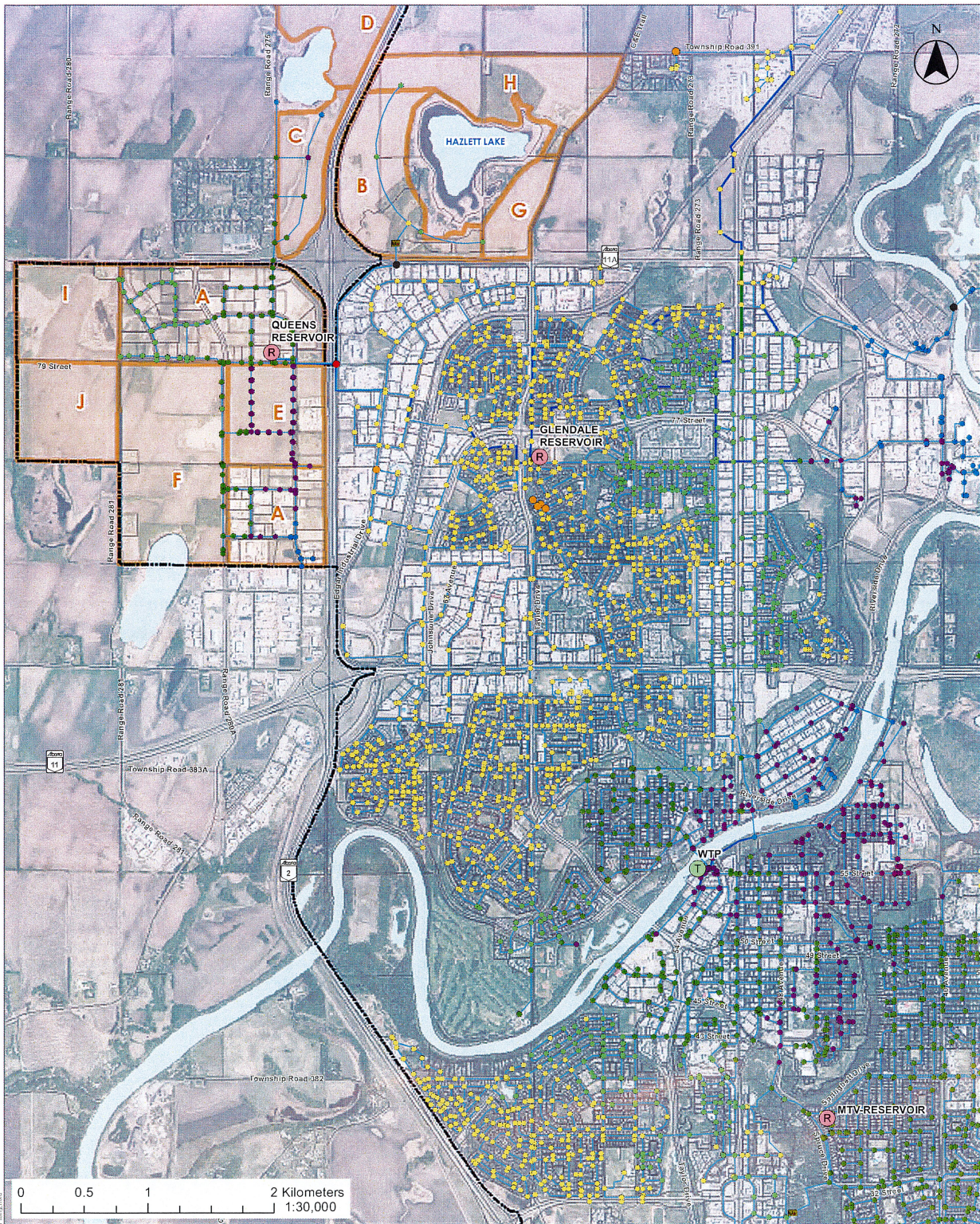
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Completed By: AL
Date: 6/21/2023

Project No.: 110170064



Figure 6.22: Scenario 6
Available Fire Flows in MDD - Current Standard
 City of Red Deer Water Model Update
 City of Red Deer



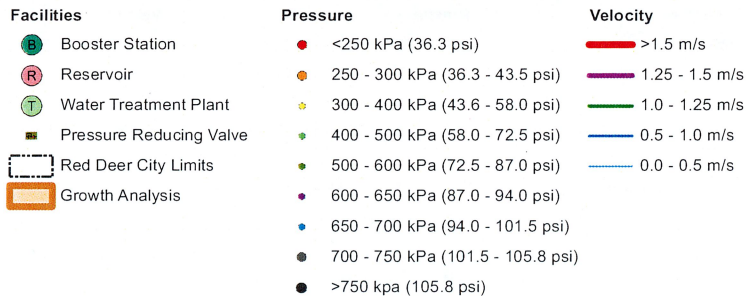
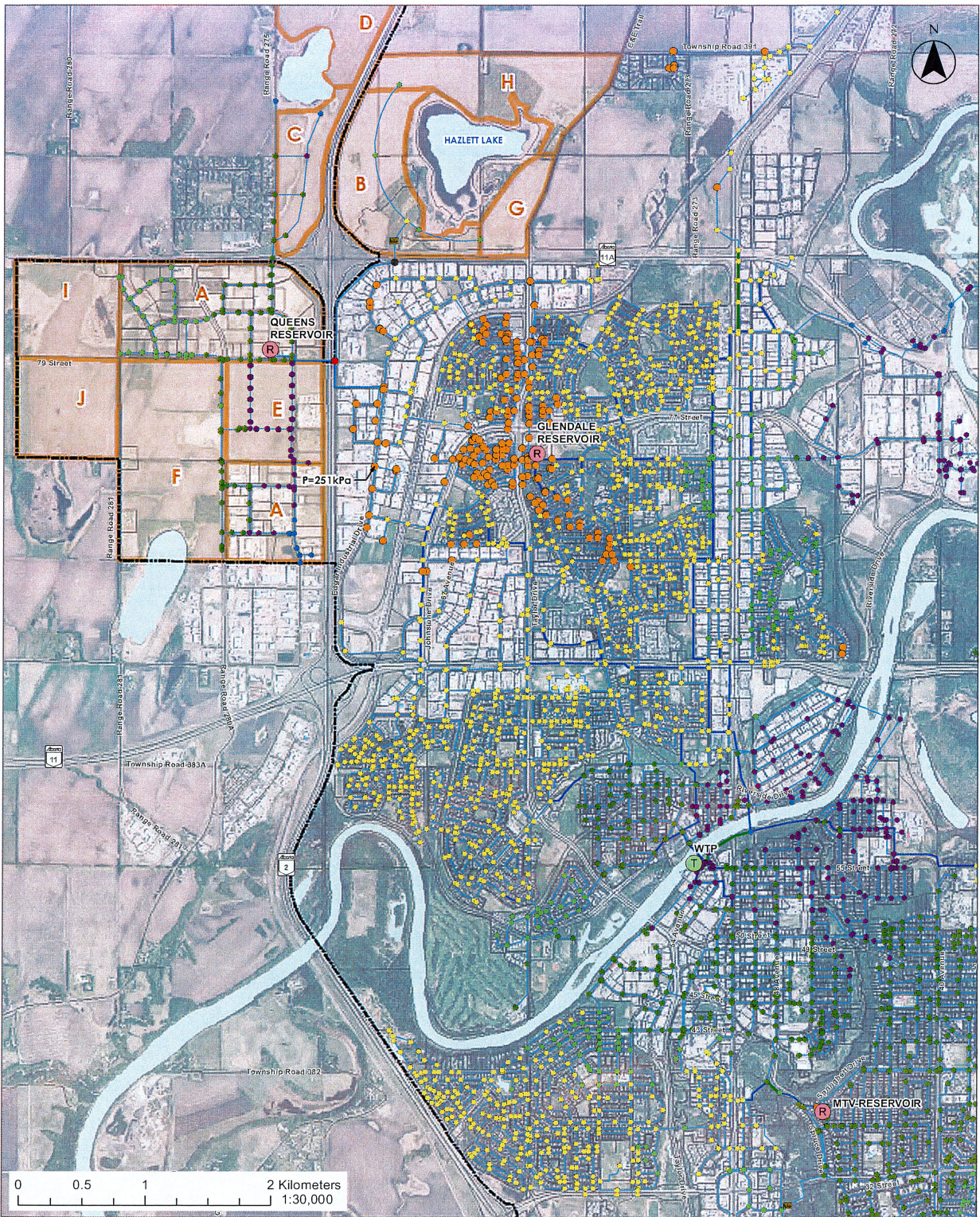
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 Project: 110170064

Completed By: AL
 Date: 8/16/2023

Project No.: 110170064



Figure 6.23: Scenario 6
Pressures and Pipe Velocities in the MDD Filling - Current Standard
 City of Red Deer Water Model Update
 City of Red Deer



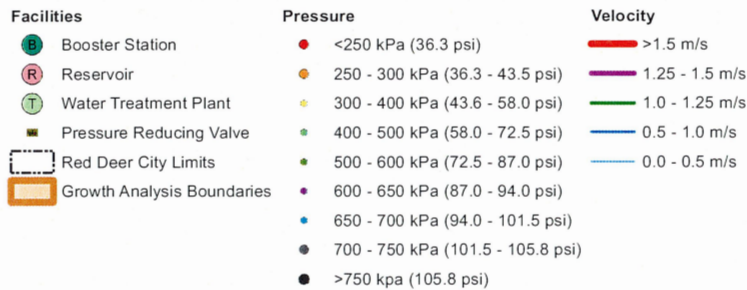
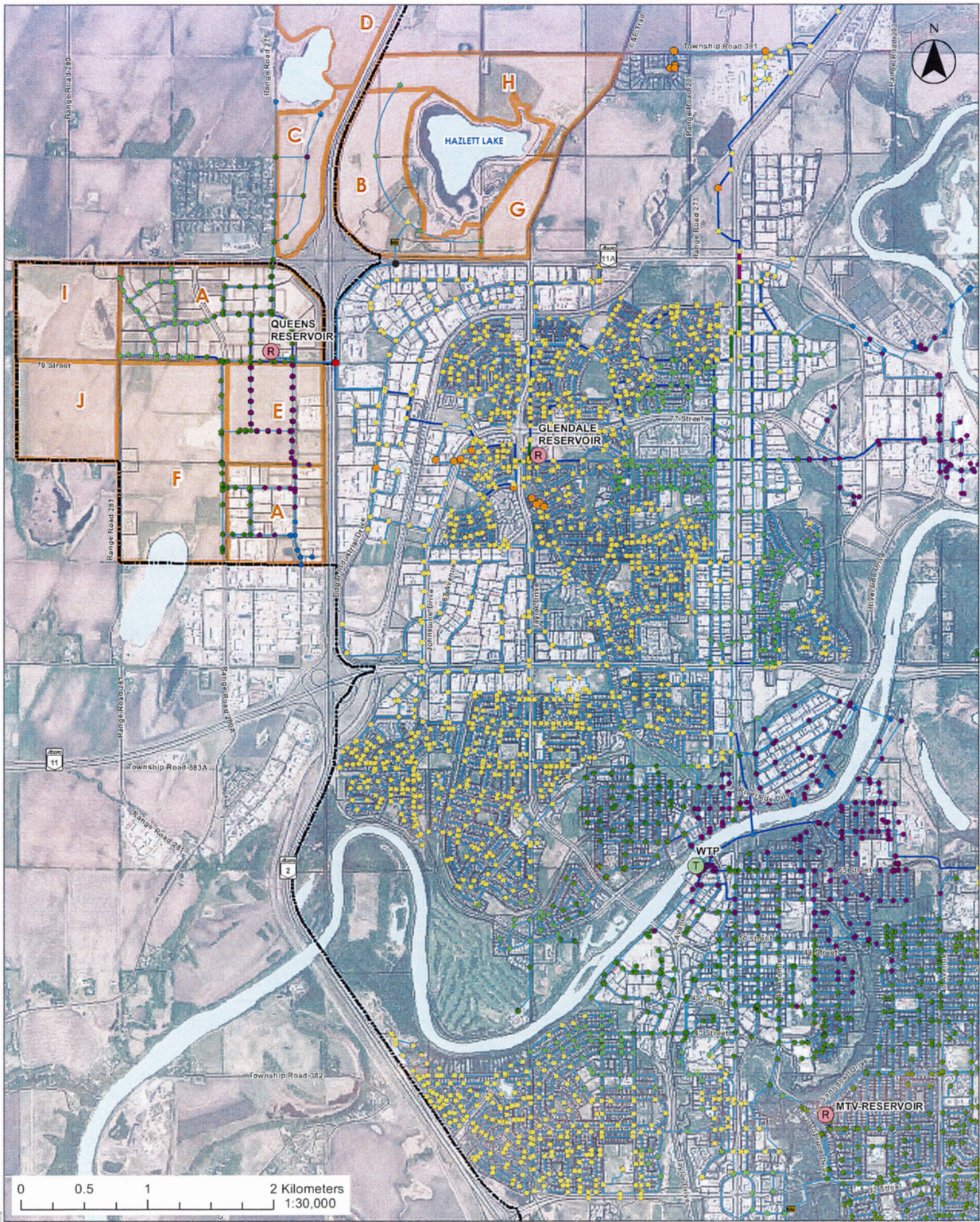
Completed By: AL
Date: 6/23/2023

Project No.: 110170064



Figure 6.24: Scenario 6
Pressures and Pipe Velocities in the Night Filling - Current Standard
City of Red Deer Water Model Update
City of Red Deer

File Date: 6/23/2023 9:51:00 AM User: alder
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Rev: Date: 01/02/2023 1:56:09 PM User: albert
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Completed By: AL
Date: 6/16/2023

Project No.: 110170004



Figure 6.25: Scenario 6 Pressures and Pipe Velocities in the PHD - Current Standard
 City of Red Deer Water Model Update
 City of Red Deer