

Appendix C Final Options Screening

Infrastructure Options	Option Description	Feasibility	Maintainability	Effectiveness for Fighting Fires								Affordability	Cost	Cost per property Based on 445 properties	Conclusion
				Meets Fire Code	Water supply	Ease of Connection	Security	Visibility/Accessibility	Robustness/Reliability	Resourcing					
CBD															
High Capacity Fire Wells	Replace existing fire wells with significantly higher quality fire wells - larger diameter, concentric rings, to depth and screened.	😊	😞	😞	😞	😊	😊	😊	😊	😞	😞		\$326,000	\$733	
Pumped Fire Wells	Replace fire wells with deep bores, submersible pumps and electrical control system that will allow pumping from groundwater into the fire appliance	😊	😞	😞	😊	😊	😊	😊	😊	😞	😊		\$980,000	\$2,202	
Pressurised Fire Main	Fire main with pumps and pressure cylinders to provide a pressurised main	😊	😊	😞	😊	😊	😊	😊	😊	😊	😊		\$1,065,000	\$2,393	Accepted
Pressurised Fire Main with Reservoir Storage	Fire main and reservoir at elevation to pressurise system and provide water volume at height	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊		\$1,439,000	\$3,234	
Outside CBD															
High Capacity Fire Wells	Replace existing fire wells with significantly higher quality fire wells - larger diameter, concentric rings, to depth, screened.	😊	😞	😞	😞	😊	😊	😊	😊	😞	😞		\$911,000	\$2,047	
Tankering to Fire	Providing facilities for fire trucks to fill storage and port water to fire	😊	😊	😞	😊	😊	😊	😊	😊	😊	😞		\$235,000	\$528	Accepted Could use Fire Service Trust Second tanker
Pressurised Fire Main	Fire main with pumps and pressure cylinders to provide a pressurised main	😞	😊	😞	😊	😊	😊	😊	😊	😊	😊		\$2,562,000	\$5,757	
Pressurised Fire Main with Reservoir Storage	Fire main and reservoir at elevation to pressurise system and provide water volume at height	😊	😊	😊	😊	😊	😊	😊	😊	😊	😊		\$2,817,000	\$6,330	