

## APPENDIX A: MAIN TUNNEL AND LINK SEWER ALIGNMENT FEATURES.

**Table 1-1: Main tunnel alignment features**

<b>Main Tunnel</b>				
<b>Tunnel section</b>	<b>Between sites</b>	<b>Summary of alignment</b>	<b>Approx. length</b>	<b>Predominant land uses, key sites above tunnel alignment</b>
MT1	Western Springs (WS1) to Mount Albert War Memorial Reserve (AS1)	From Western Springs Park to Mount Albert War Memorial Reserve, off New North Road.	1.6 km	Under MOTAT, SH16, Chamberlain Park Golf Course, western rail line and residential area of Mount Albert.
	Mount Albert War Memorial Reserve (AS1) to Lyon Avenue (AS2)	From Mount Albert War Memorial Reserve off New North Road to site at Roy Clements Treeway adjacent to Mount Albert Grammar.	0.8 km	Under residential area of Mount Albert.
	Lyon Avenue (AS2) to Haverstock Road (AS3)	From site at Roy Clements Treeway adjacent to Mount Albert Grammar to Plant & Food Research site near Haverstock Road.	0.7 km	Under commercial/residential area of Mount Albert.
	Haverstock Road (AS3) to Walmsley Park (AS4)	From Plant & Food Research site near Haverstock Road to eastern end of Walmsley Park.	1.1 km	Under Plant & Food Research site and residential area of Mount Albert.
	Walmsley Park (AS4) to May Road (WS2)	From eastern end of Walmsley Park to undeveloped commercial property between Roma Road and May Road in Mount Roskill.	1.1 km	Under residential area of Sandringham/ Mount Roskill, War Memorial Park, Wesley Intermediate School, SH 20, Stoddard Road commercial area and future Avondale-Southdown rail corridor.
	MT2	May Road (WS2) to Keith Hay Park (AS5)	From undeveloped commercial property between Roma Road and May Road in Mount Roskill to eastern end of Keith Hay Park in Mount Roskill.	1.6 km

<b>Main Tunnel</b>				
<b>Tunnel section</b>	<b>Between sites</b>	<b>Summary of alignment</b>	<b>Approx. length</b>	<b>Predominant land uses, key sites above tunnel alignment</b>
	Keith Hay Park (AS5) to PS 23 (AS6)	From the eastern end of Keith Hay Park in Mount Roskill to the site of existing Watercare PS 23 off Frederick St, fronting onto coastal edge of Hillsborough Bay.	1.9 km	Under residential area of Hillsborough.
	PS 23 (AS6) to Kiwi Esplanade (AS7)	From Frederick St in Hillsborough under the Manukau Harbour to Kiwi Esplanade Reserve.	1.6 km	Under Manukau Harbour.
	Kiwi Esplanade (AS7) to Mangere Pump Station (WS3)	From Kiwi Esplanade Reserve to site of proposed Mangere Pump Station at northern end of Mangere WWTP.	2.5 km	Under residential area of Mangere Bridge and Ambury Farm Park.

**Table 1-2: Link sewer tunnels alignment features**

<b>Link Sewer Tunnels</b>				
<b>Tunnel section</b>	<b>Between sites</b>	<b>Summary of alignment</b>	<b>Approx. length</b>	<b>Predominant land uses, key sites above tunnel alignment</b>
LS1	Motions Road to Western Springs Depot	From grassed area on Motions Road east under Auckland Zoo and Western Springs Park to Western Springs Depot.	0.6 km	Under Western Springs Park and Auckland Zoo.
	Western Springs Depot to Western Springs	From Western Springs Depot adjacent to Western Springs Stadium east under Stadium Road to northern end of Western Springs Park playing fields.	0.4 km	Under Stadium Road and Western Springs Park playing fields.
LS2	Rawalpindi Reserve to Norgrove Ave	From Rawalpindi Reserve east to Norgrove Ave.	0.3 km	Under edge of Chamberlain Park Golf Course.
	Norgrove Ave to Mount Albert War Memorial Reserve	From northern end of Norgrove Ave south east to Mount Albert War Memorial Reserve on New North Road.	0.7 km	Under residential area of Mount Albert.
LS3	PS 25 to Miranda Reserve	From PS 25 at the western end of Miranda Reserve east to the eastern end of Miranda Reserve.	0.3 km	Under Miranda Reserve.
	Miranda Reserve to Whitney St	From eastern end of Miranda Reserve east to Whitney St.	0.6 km	Under residential area of New Windsor.
	Whitney St to Dundale Ave	From residential/ retail site at Whitney St east to Dundale Ave.	0.6 km	Under residential area of New Windsor.
	Dundale Ave to Haycock Ave	From grassed area of road reserve on Dundale Ave south east to Haycock Ave.	0.7 km	Under residential area of New Windsor.
	Haycock Ave to May Road	From residential site on Haycock Ave north east to undeveloped commercial property at May Road in Mount Roskill.	0.9 km	Under residential area of Mount Roskill and Nirvana Park.