

		Service		Owner (if						
Conflict No.	No.	Type	Service Description	known)	Chainage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
			Ground LV - Low Voltage HV - High Voltage E - Airport Electrical C - Communications E - E			cal Fibre Cable N - No P - Possible Y - Yes NA - Not Av	vailable BW	- Brisbane Water FCF - Fletcher Chellen	ge Fuels OCR - Old Clevland Road	
ervice Type. AC-	Airport Commun	ilcations AE	E - Airport Electrical C - Communications E - E	electrical G - Gas and C	ni 3-Sewaye Sw	- Stoffiwater 0 - Officiowif w - water				
It Gravatt - Ca	palaba Rd (N	Northern A	Abutment) to Cleveland Rail Line Ov	erbridge (Souther	n Abutment) (CI	H5160 to CH14100)				
1 - 01	ES001	Е	Electrical LV UG - street lighting	Energex	5300	Gateway Motorway South bound off-ramp	Υ	Gateway Motorway off-ramp	Relocate to suit new ramp	
1 01	20001	_	Licotrical EV GG Street lighting	Lifergox	0000	Mt Gravatt - Capalaba Rd	'	Cateway Motorway on ramp	Theocate to suit new rump	
1 - 02	ES001	Е	Electrical LV UG - street lighting	Energex	5400	Gateway Motorway North bound on-ramp Mt	P	Gateway Motorway on-ramp	Relocate to suit new ramp	
		_	g			Gravatt - Capalaba Rd	·		l totogato to cart non ramp	
1 - 03	ES001	Е	Electrical LV UG - street lighting	Energex	5460	Gateway Motorway North bound on-ramp Mt	Υ	Gateway Motorway on-ramp	Relocate to suit new ramp	
						Gravatt - Capalaba Rd			·	
1 - 04	ES001	С	Telecomms LB UG	Telstra	5680	Weedon St East	Υ	Gateway Motorway	Remove redundant cable	
								embankment		
1 - 05	ES001	Е	Electrical LV UG	Powerlink	5700	Weedon St East	Υ	Gateway Motorway	Relocate to suit new embankment works	cutting will expose service
								embankment		
1 - 06	ES001	Е	Electrical LV UG - street lighting	Energex	NA	exisiting motorway alignment	Y	new motorway alignment	Relocate to suit new motorway alignment	Conflicts with new alignment
4 07	E0004		Flactrical LIV/AC	Danie d'al	5450	West subsequent of science was to accomp	N.I.			and the constant of the consta
1 - 07	ES001	<u> </u>	Electrical HV AG		5450	West embankment of existing motorway	N N			maintain construction clearances to overhead lines
2 - 01A 2 - 01B	ES002 ES002	<u> </u>	Electrical HV AG Electrical HVAG		5990 6000	Over Gateway Motorway Over Gateway Motorway	N N			Sag OK. maintain construction clearances to overhead lines Sag OK. maintain construction clearances to overhead lines
2 - 01B 2 - 02A	ES002 ES002	<u>E</u>	Electrical HVAG		6040	Over Gateway Motorway Over Gateway Motorway	N N			Sag OK. maintain construction clearances to overhead lines
2 - 02A 2 - 02B	ES002		Electrical HVAG		6040	Over Gateway Motorway	N N			Sag OK. maintain construction clearances to overhead lines
2 - 026	ES002	S	Sewer Main		6050	Under Gateway Motorway embankment	P	retaining wall foundation	Leave protect	foundation of retaining wall may clash with underground
2 - 03	E3002	3	Sewer Main	DVV	0030	Officer Gateway Motorway embankment	Г	retaining waii loundation		service. Confirm depth and protect if clash
2 - 04	ES002	Е	Electrical HVUG	Energex	6150	Wecker Rd - Under Gateway Motorway	N		leave	Energex 33kV and 11kV lines. UG under existing motorway
2 - 04	L3002	_	Liectrical TVOG	Lileigex	0130	embankment	IN		leave	reserve. AG outside existing motorway reserve
2 - 05	ES002	Е	Electrical HVUG	Energex	6200	Wecker Rd - Under Gateway Motorway	N		leave	Energex 11kV line and spare conduit. UG under existing
2 - 03	L0002	_	Licetical TVOC	Liloigox	0200	embankment	11		leave	motorway reserve. AG outside existing motorway reserve
2 - 06	ES002	С	Highband Comms UG	Telstra	6200	Wecker Rd - Under Gateway Motorway	N		Protect	motorway reserve. Ac outside existing motorway reserve
2 00	20002	J	Inglibalia cominic co	Tolotia	0200	embankment	.,		170000	
2 - 07	ES002	Е	Electrical - street lighting	Energex	NA	existing gateway median	Υ	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
2 - 08A	ES002	E	Proposed electrical HVAG 275kV		6250	Over Gateway Motorway	N	The state of the s		proposed 275 kV transmission line. Design towers and cable
						, , , , , , , , , , , , , , , , , , , ,				to provide required vertical and horizontal clearances to
										motorway.
2 - 08B	ES002	Е	Proposed electrical HVAG 275kV	Powerlink	6250	Over Gateway Motorway	N			proposed 275 kV transmission line. Design towers and cable
			·			, ,				to provide required vertical and horizontal clearances to
										motorway.
3 - 01	ES003	W	Water Main	BW	6900	Under Gateway Motorway embankment	N		Leave	
3 - 02A	ES003	С	Telecomms abandoned	Telstra	6940	Under Gateway Motorway embankment	N		Leave	confirm status of service - relocate phone/ITS to suit new
										motorway of required
3 - 02B	ES003	С	Telecomms abandoned		6970	Under Gateway Motorway embankment	N		Leave	confirm status of service
3 - 03	ES003	С	Highband Comms UG	Telstra	7430	Under Gateway Motorway embankment	Υ	cut embankment - retaining wall	relocate	cutting will expose service - lower cables to suit
3 - 04	ES003	Е	Electrical - street lighting	Energex	NA	existing gateway median	Υ	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
4 - 01	ES004	С	OFC / Telecomms LBUG		7640	Under Gateway Motorway embankment	N		Leave	
4 - 02	ES004	С	OFC	<u> </u>	7525	Mt Petrie Rd - beside Motorway	N		Leave	
4 - 03	ES004	E	Electrical - street lighting	Energex	NA	existing gateway median	Υ	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
5 - 01	ES005	С	Telecomms LBUG / OFC	Telstra	8460	Under Gateway Motorway embankment	Р	New retaining wall	Leave	check depth below proposed retaining wall - lower cable if
										clash occurs and relocate phone/etc to suit
5 - 02	ES005	SW	Stormwater	BCC	8750	Greendale Way - under Motorway bridge	Υ	new motorway alignment	relocate manholes and pipe to suit new	clash with existing abutment - may be redundant/removed.
									alignment	
5 - 03	ES005	С	Telecomms UG / OFC		8750	Greendale Way - under Motorway bridge	N		Leave	
5 - 04	ES005	SW	Stormwater		8750	Greendale Way - under Motorway bridge	N		Leave	
5 - 05	ES005	W	Water Main		8800	Greendale Way - under Motorway bridge	N		Leave	
5 - 06	ES005	<u>C</u>	Telecomms HBAG		8790	Greendale Way - under Motorway bridge	N		Leave	
5 - 07	ES005	E	Electrical	Energex	8790	Greendale Way - under Motorway bridge	N		Leave	



	Drawing	Service	,	Owner (if						
Conflict No.	No.	Type	Service Description	known)	Chainage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
		UG - Under	Ground LV - Low Voltage HV - High Voltage			Optical Fibre Cable N - No P - Possible Y - Yes NA - Not A	Available BW	- Brisbane Water FCF - Fletcher Chellen	ge Fuels OCR - Old Clevland Road	
• • • • • • • • • • • • • • • • • • • •		nications Al	E - Airport Electrical C - Communications E - E				V	a avv ma atam va v ali ana ma ant	undo noto to puit pour alimento est	Conflict with a conflict control
5 - 08	ES005	E	Electrical - street lighting	Energex	NA 0400	existing gateway median	Y	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
6 - 01 6 - 02	ES006 ES006	E	OFC / Telecomms UG	Telstra	9400 NA	Under Gateway Motorway embankment	N Y	now motorway alignment	Leave	Conflict with now alignment
6 - 02 6 - 03A	ES006		Electrical - street lighting	Energex Powerlink	9200	existing gateway median	N N	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
6 - U3A	ES006	E	Proposed electrical HVAG 275kV	Powerlink	9200	Over Gateway Motorway	IN .			proposed 275 kV transmission line. Design towers and cable
										to provide required vertical and horizontal clearances to
6 - 03B	ES006	Е	Proposed electrical HVAG 275kV	Powerlink	9200	Over Gateway Motorway	N			motorway. proposed 275 kV transmission line. Design towers and cable
0 - 030	L3000	_	Froposed electrical TVAG 275KV	FOWEIIIIK	9200	Over Galeway Molorway	IN			to provide required vertical and horizontal clearances to
										motorway.
7 - 01	ES007	W	Water Main	BW	9920	OCR footpath - under Motorway crossing	N		Leave	inotorway.
7 - 02	ES007	SW	Stormwater	BCC	10000	OCR service rd - under Motorway crossing	N		Leave	
7 02	20007	011	Stormwater	500	10000	Cort service ru under Motorway Gressing			Loavo	
7 - 03	ES007	W	Water Main	BW	10010	OCR service rd - under Motorway crossing	N		Leave	under existing and proposed foundation - monitor and protect
						, and a second s				during construction
7 - 04	ES007	S	Sewer Rising Main	BW	10010	OCR service rd - under Motorway crossing	N		Leave	under existing and proposed foundation - monitor and protect
			control g mann			, and a second s				during construction
7 - 05	ES007	С	OFC	Optus	10020	OCR service rd - under Motorway crossing	N			in embankment behind foundation - monitor and protect during
						,				construction
7 - 06	ES007	Е	Electrical LVUG	Energex	10020	OCR service rd - under Motorway crossing	N		Leave	in embankment behind foundation - monitor and protect during
						, ,				construction
7 - 07	ES007	С	Telecomms HBUG	Telstra	10100	Under Gateway Motorway embankment	N		Leave	
7 - 08	ES007	С	Telecomms HBUG	Telstra	10570	Ford Ct - Under Gateway Motorway	N		Leave	
						embankment				
7 - 09	ES007	Е	Electrical - street lighting	Energex	NA	existing gateway median	Υ	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
8 - 01	ES008	E	Electrical LVUG	Energex	10620	Ford Ct - Under Gateway Motorway	N		Leave	
						embankment				
8 - 02	ES008	W	Water Main	BW	10570	Ford Ct Belmont Rd - under Gateway	N		Leave	
						overpass				
8 - 03	ES008	С	Telecomms UG / OFC	Telstra	10600	Ford Ct to Motorway embankment	N		Leave	
8 - 04	ES008	С	Telecomms HBAG	Telstra	10700	Belmont Rd	N		Leave	
8 - 05	ES008	W	Water Main	BW	10700	Belmont Rd	N		Leave	
8 - 06	ES008	E	Electrical LVUG	Energex	10725	Belmont Rd	N		Leave	
8 - 07	ES008	E	Electrical LVUG	Energex	11100	Medowlands Rd. In bridge	N		Leave	
8 - 08	ES008	S	Sewer Rising Main 50mm dia	BW	11100	Medowlands Rd. In bridge	N		Leave	
8 - 09	ES008	Е	Electrical - street lighting	Energex	NA	existing gateway median	Y	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
9 - 00	ES009	S	Sewer Rising Main 50mm dia	BW	11360	Under Gateway Motorway embankment	Y	new motorway embankment	Extend and relocate M/H to suit new	
									works	
9 - 01	ES009	S	Sewer Rising Main 50mm dia	BW	11400	Under Gateway Motorway embankment	Y	new motorway embankment	Relocate to suit new works	
9 - 02	ES009	S	Sewer Manhole	BW	11400	Under Gateway Motorway embankment	Y	new motorway embankment	Relocate to suit new works	
9 - 02A	ES009	S	Sewer Rising Main 50mm dia	BW	11350	Under Gateway Motorway embankment	Y	new motorway embankment	Relocate to suit new works and manhole	
0 00	E0000	14/	abandanad water ===	DW	11460	Haday Cataway Matamora and and an and	N I		relocations	confirm status of convice
9 - 03	ES009	VV	abandoned water main	BW	11460	Under Gateway Motorway embankment	N	nou motorus diamessat	Leave	confirm status of service
9 - 04	ES009	E	Electrical - street lighting	Energex	NA 12210	existing gateway median	P	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
10 - 00	ES010	С	Telecomms UG / OFC	Telstra	12310	Under Gateway Motorway embankment	۲	comm box/telephone with	relocate comms box/telephone	may no longer be required - may abandon
10 - 01	ES010	G	Gas	Energex	12750	Under Gateway Motorway embankment -	Р	proposed re-alignment widening of motorway	Protect	construct relieving slab above service
10 - 01	L3010	٥	Jus	Lileigex	12130	South of Wynnum Rd	F	widening of motorway	TOLEGE	Constitute relieving slap above service
10 - 02	ES010	G	Gas	Energex	12750	Under Gateway Motorway embankment -	Р	widening of motorway	Protect	construct relieving slab above service
10 - 02	L3010	٥	Jus	Lileigex	12130	South of Wynnum Rd	F	widening of motorway	TOLEGE	Constitute relieving slap above service
10 - 03	ES010	S	Sewer Main	BW	12800	Under Gateway Motorway embankment -	٧	sewer manhole clash with new	relocate sewer manhole to suit new	
10 - 00	L0010		SOWER IVIAIRE	DVV	12000	South of Wynnum Rd		alignment	alignment	
10 - 04	ES010	F	Electrical - street lighting	Energex	NA	existing gateway median	Υ	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
10 - 04	L0010		Libouroar - subbuilightilig	Lileigex	11/7	oniding galoway median	1	now motorway angilinent	TOTO COLO TO SUIT HEW AllYHITEHL	Commot with now anguillent

	Drawing	Service		Owner (if						
Conflict No.	No.	Type	Service Description	known)	Chainage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
						al Fibre Cable N - No P - Possible Y - Yes NA - Not	t Available BW	/ - Brisbane Water FCF - Fletcher Chell	enge Fuels OCR - Old Clevland Road	
		nications AE	E - Airport Electrical C - Communications E - Electrical C - Electrica				N.		T	10751V(
10 - 05	ES010	E	Proposed electrical HVAG 275kV	Powerlink	12800	Over Gateway Motorway	N			proposed 275 kV transmission line. Design towers and cable
										to provide required vertical and horizontal clearances to
44 000	=0044	_			40000					motorway.
11 - 00A	ES011	E	Electrical HVAG	Powerlink	12900	Over Gateway Motorway	N		Leave	Sag OK. maintain construction clearances to overhead lines
11 - 00B	ES011	<u> </u>	Electrical HVAG	Powerlink	12900	Over Gateway Motorway	N		Leave	Sag OK. maintain construction clearances to overhead lines
11 - 01A	ES011	E	Electrical HVAG	Powerlink	12900	Over Gateway Motorway	N		Leave	Sag OK. maintain construction clearances to overhead lines
11 - 01B	ES011	E	Electrical HVAG	Powerlink	12900	Over Gateway Motorway	N		Leave	Sag OK. maintain construction clearances to overhead lines
11 - 02	ES011	G	Oil	Santos	13000	Under Gateway Motorway embankment	P	widening of motorway	Protect	construct relieving slab above service
11 - 03	ES011	S	Sewer Main	BW	13080	Under Gateway Motorway embankment	N		Leave	
11 - 04	ES011	G	Gas	Energex	13400	Wynnum Rd - under motorway overpass	N		Leave	close to piers - piled foundation already in place so ok
11 - 05	ES011	E	Electrical LVUG	Energex	13400	Wynnum Rd - under motorway overpass	N		Leave	close to piers - piled foundation already in place so ok
11 - 06	ES011	W	Water Main 300mm dia	BW	13400	Wynnum Rd - under motorway overpass	N		leave	close to piers - piled foundation already in place so ok
11 - 07	ES011	E	Electrical HV AG - (proposed 275 kV	Powerlink	12800	Over Gateway Motorway				proposed 275 kV transmission line. Design towers and cable
			line)							to provide required vertical and horizontal clearances to
44 00	=0044				40.400					motorway.
11 - 08	ES011	С	Telecomms LBUG / OFC	Telstra	13400	Gateway Motorway south bound on-ramp	N		Leave	
44 00	E0044	0)4/	01 1	DOO	40.450	Wynnum Rd				
11 - 09	ES011	SW	Stormwater	BCC	13450	Wynnum Rd - under motorway overpass	N		Leave	10011/15 /
11 - 10	ES011	E	Electrical HV (proposed 33 kV line)	Energex	12900	East of existing motorway				proposed 33 kV line to cross Wynnum Rd. No conflict with
44 44	E0044	_	T. I. I.D. O. / O.F.O.	T 1 4	40.450					motorway.
11 - 11	ES011	C	Telecomms HBAG / OFC	Telstra	13450	Wynnum Rd - under motorway overpass	N		Leave	close to piers - piled foundation already in place so ok
11 - 12	ES011	S	Sewer Main	BW	13450	Wynnum Rd - under motorway overpass	N		Leave	close to piers - piled foundation already in place so ok
11 - 13	ES011	W	Water Main 150mm dia	BW	13450	Wynnum Rd - under motorway overpass	N		Leave	close to piers - piled foundation already in place so ok
11 - 14	ES011	C	Telecomms HBAG / OFC	Telstra	13450	Wynnum Rd - under motorway overpass	N		Leave	close to piers - piled foundation already in place so ok
11 - 15	ES011	W	Water Main 750mm dia	BW	13450	Wynnum Rd - under motorway overpass	N		Leave	close to piers - piled foundation already in place so ok
11 - 16	ES011	E	Electrical - street lighting	Energex	NA	existing gateway median	Y	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
12 - 00	ES012	E	Electrical HVAG	Powerlink	13820	Above east side of existing motorway	Y	new motorway alignment	embankment retaining wall required	retaining wall for embankment around tower
12 - 01	ES012	E 0	Electrical - street lighting	Energex	NA 14600	existing gateway median	•	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
13 - 00	ES013	С	Telecomms LBUG / OFC	Telstra		Under Gateway Motorway bridge	N		Leave	
13 - 01	ES013	S	Sewer Rising Main 225/300mm dia	Privately	14775	Under Gateway Motorway bridge	N		Leave	
13 - 02	E0042		Con Main	owned	14850	Lladar Catavay Mataryay bridge	NI NI		Lanca	
13 - 02	ES013 ES013	G	Gas Main Electrical	Energex	14850	Under Gateway Motorway bridge	N	Dridge views	Leave	
			Telecomms HBAG	Energex		Under Gateway Motorway bridge	Y	Bridge piers	relocate to avoid bridge piers	
13 - 04	ES013	C		Telstra	14850	Under Gateway Motorway bridge	'	Bridge piers	relocate to avoid bridge piers	
13 - 05	ES013	E	Electrical Telecomms LBUG / OFC	Energex	14870	Under Gateway Motorway bridge	N		Leave	
13 - 06 13 - 07	ES013 ES013	C	Telecomms HBAG	Telstra Telstra	14880 14880	Under Gateway Motorway bridge Under Gateway Motorway bridge	N	Dridge piere	Leave relocate to avoid bridge piers	
13 - 07	ES013	C	Telecomms HBUG	Telstra	14890	Under Gateway Motorway bridge Under Gateway Motorway bridge	Y	Bridge piers	<u> </u>	
13 - 06	ES013	SW		BCC	14850	Under Gateway Motorway bridge Under Gateway Motorway bridge	N	Bridge piers	relocate to avoid bridge piers	
13 - 09	ES013		Stormwater Electrical LVUG		14900	Under Gateway Motorway bridge			Leave	
13 - 10		E		Energex		, , ,	N		Leave	
13 - 11	ES013 ES013	G C	Gas Main Telecomms HBAG	Energex Telstra	14900 14900	Under Gateway Motorway bridge Under Gateway Motorway bridge	N N		Leave	
13 - 12	ES013	0	Telecomms LBUG / OFC	Telstra	14900	Under Gateway Motorway bridge Under Gateway Motorway bridge	N		Leave Leave	
13 - 13	ES013		Electrical LVUG	Energex	15000	Under Motorway embankment	Y	embankment/retaining wall	Relocate to suit new works	
13 - 14	ES013	S	Sewer Main and manhole 300mm dia	BW	15000	Under Gateway Motorway bridge	Y		relocate to suit new works	relocate sewer main and manhole to suit new works
13 - 15 13 - 15A	ES013	S	Sewer Main 300mm dia	BW	15000	Under Gateway Motorway bridge Under Gateway Motorway bridge	Y	new motorway alignment	relocate to suit new works	relocate sewer main and maintible to suit new works
13 - 15A 13 - 15B	ES013	S	Sewer manhole	BW	15000	Under Gateway Motorway bridge Under Gateway Motorway bridge	Y	new motorway alignment	relocate to suit new works	
13 - 156	ES013	<u> </u>	Electrical HVAG		15000	Over Gateway Motorway Over Gateway Motorway	N	new motorway alignment		Sag OK. maintain construction clearances to overhead lines
13 - 16	ES013	E	Electrical HVAG	Energex	15000	Over Gateway Motorway Over Gateway Motorway	N		Leave	Sag OK. maintain construction clearances to overhead lines
13 - 17	ES013	S	Sewer Rising Main 225/300mm dia	Energex	15000	Under motorway embankment	N V		relocate manhole to suit new works	relocate manhole and remove redundant pipeline. drops into
10 - 10	L3013	٥	OGWEL INISHING WIGHT 220/300HIIII GIR	Privately	13000	Onder motorway embankinent	ſ		Telocate maillible to suit new works	gravity sewer (13-15a) ??
13 - 19	ES013	_	Electrical - street lighting	owned	NA	evisting gateway modian	Y	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
13 - 19	_ □ 3013	E	Lieculcai - sueet lightilig	Energex	INA	existing gateway median	ı	new motorway angriment	relocate to suit new alignment	Commet with new anglittlent



	Drawing	Service		Owner (if						
Conflict No.	No.	Type	Service Description	known)	Chainage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
		UG - Under				al Fibre Cable N - No P - Possible Y - Yes NA - Not A				
		nications AE	E - Airport Electrical C - Communications E - Electrical							
13 - 20	ES013	W	Water Main 150mm dia	BW	14850	Ingham Ct - under bridge	Υ	new bridge piers	relocate to suit new bridge piers	
Cleveland Rail	Line Overbr	idge (Sou	thern Abutment) to Pinkenba Rail Line	(CH15100 to CI	H19100)					
14 - 00	ES014	SW	Stormwater	BCC	15300	Under Motorway	Υ	new motorway alignment	relocate to suit new alignment	
14 - 01	ES014	S	Sewer Rising Main 300mm dia	Privately owned	15350	Under Motorway	Р	new motorway alignment	abandon	connects to abaondoned rising main. Possibly not in service. Confirm status
14 - 02	ES014	S	Sewer Rising Main 300mm dia	Privately owned	15350	Under Motorway / POB Motorway ramp	Y	new motorway alignment, POB ramp and rail bridge piers	abandon	connects to abaondoned rising main. Possibly not in service. Confirm status
14 - 03	ES014	S	Sewer Rising Main 100mm dia and pump station	Privately owned	15600	under embankment POB motorway	Y	south bound on-ramp	relocate pump station and extend rising main	relocate to northern side of ramp and extend rising main for future service of property
14 - 04	ES014	SW	Stormwater	BCC	15500	under motorway	Υ	new motorway alignment	relocate to suit new alignment	may need to adjust inlets/manholes to suit new works
14 - 05	ES014	SW	Stormwater	BCC	15500	under motorway	Υ	new motorway alignment	relocate to suit new alignment	may need to adjust inlets/manholes to suit new works
14 - 06	ES014	S	Abandoned Sewer Rising Main 300mm dia	Privately owned	15150	Under motorway embankment	N		Leave	
14 - 07	ES014	SW	Stormwater	BCC	15200	over rail line	Υ	new motorway alignment	relocate to suit new bridge	need to raise/relocate manhole at rail crossing abutment
14 - 08A	ES014	G	Gas Main	Origin Energy	15790	Under embankment through major cutting	Y	POB motorway and Lytton Rd ramp.	Relocate into Lytton Rd bridge	
14 - 08B	ES014	G	Ampol Line	Ampol	15781	Under Lytton Rd embankments and bridge	Υ	POB S/B ramp	relocate into new bridge	
14 - 08C	ES014	E	Electrical LVUG	Energex	15781	Under Lytton Rd embankment and overpass	Y	POB S/B ramp	relocate into new bridge	
14 - 08D	ES014	E	Electrical LVUG	Energex	15770	Under Lytton Rd embankment and overpass	Y	POB S/B ramp	Relocate into bridge	
14 - 08E	ES014	W	Abandoned water main	BW	15760	Under Lytton Rd embankment and overpass	Y	POB S/B ramp	remove	confirm status of service
14 - 08F	ES014	W	Abandoned water main	BW	15761	Under Lytton Rd embankment and overpass	Y	POB S/B ramp	remove	confirm status of service
14 - 08G	ES014	E	Electrical LVUG	Energex	15765	Under Lytton Rd embankment and overpass	Y	POB S/B ramp	Relocate into bridge	
14 - 08H	ES014	G	Gas main	Origin Energy	15781	Under Lytton Rd embankment and overpass	Y	POB S/B ramp	Relocate into bridge	
14 - 081	ES014	С	Telecomms - Highband above ground	Telstra	15770	Along Lytton Rd overpass	Υ	POB S/B ramp	Relocate into bridge	
14 - 09	ES014	Е	Electrical - street lighting	Energex	NA	existing gateway median	Υ	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
14 - 10	ES014	S	Sewer Rising Main 100mm dia	Privately owned	15400	POB motorway ramp	Y	POB motorway ramp	abandon	not required to service resumed properties
14 - 10A	ES014	S	Sewer Rising Main 100mm dia	Privately owned	15650	POB motorway ramp	N		leave	leave rising main and immediate pump station to service properties
14 - 11	ES014	Е	Railway signal box	unknown	15200	Railway reserve	Y	bridge piers	relocate	Confirm service details
14A - 01	ES015	E	Electrical LVAG		NA	POB motorway ramp	Y	under new POB motorway ramp		remove length of cable under new motorway ramp
14A - 02	ES015	С	Telecomms - LB UG		NA	POB motorway ramp	Y	under new POB motorway ramp		confirm extent of service. Leave if UG and still required - protect during construction works.
15 - 01	ES016	Е	Electricity LVUG	Energex	15831	Under minor cutting	Р	Queensport Rd East (off ramp)	relocate to suit new works	
15 - 02	ES016	W	Water Main (size ?)	BW	15831	Under minor cutting	P	Queensport Rd East off ramp	Relocate to suit new works	
15 - 03A	ES016	S	Sewer Main 300mm dia	BW	15900	Under motorway	Р	Queensport Rd East off ramp - minor cut	relocate to suit new works	may be only 1.5m below SL at Queensport Rd ramp. May need to relocate to avoid minor cut
15 - 03B	ES016	S	Sewer Main abandoned	BW	15900	Under embankment	N		Leave - remove manholes to suit new works	
15 - 03C	ES016	S	Sewer Rising Main	BW	15900	Under embankment	Υ	POB motorway off ramp	relocate to suit works	
15 - 03D	ES016	S	Sewer Main 300mm dia	BW	15950	Under embankment	N		leave	
15 - 04	ES016	E	Electrical LVUG	Energex	15931	Under embankment	Y	POB motorway off ramp	Excavate and extend conducts	
15 - 05	ES016	E	Electrical LVUG	Energex	16000	Under embankment	Υ	POB motorway off ramp	Excavate and extend conducts	



	Drawing	Service	e	Owner (if						
Conflict No.	No.	Туре	Service Description	known)	Chainage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
						otical Fibre Cable N - No P - Possible Y - Yes NA - Not	t Available BW	- Brisbane Water FCF - Fletcher Chellen	ge Fuels OCR - Old Clevland Road	
15 - 06	ES016	C C	E - Airport Electrical C - Communications Telecomms HB AG	Telstra	16031	Above ground	V	POB motorway and Lytton Rd	Remove	
15 - 00	E3010	C	Teleconinis FIB AG	reistra	10031	Above ground	ı	off ramps	Remove	
15 - 07	ES016	Е	Electrical LVUG	Energex	16206	Under embankment	Υ	S/B carriageway and POB	remove	
10 01	20010	_	Libertical EVEC	Lilorgox	10200	Chack chibankmone	·	motorway ramp.	16111646	
15 - 08	ES016	С	OFC-UG / telecomms LBUG	unknown	16081	Under embankment	Υ	S/B carriageway and POB	remove	
								motorway ramp.		
15 - 09	ES016	С	Telecomms LBUG / OFC-UG	unknown	15810	cutting	Υ	POB motorway ramp.	Relocate	
15 - 10	ES016	С	Telecomms HBAG	Telstra	15830	Above off ramp embankment	Υ	POB motorway and Lytton Rd	Relocate to eastern side of POB	
								ramp.	motorway off ramp	
15 - 11	ES016	W	Abandoned water main (250)	BW	15810	Under embankment	Y	POB motorway and Lytton Rd	remove	confirm status of service
	=0040				10111			ramp.		
15 - 13	ES016	С	Telecomms HB AG	Telstra	16411	Under gateway bridge	Y	Gateway bridge and approach	abandoned if not required	investigate extent of service. Abandon if service is redundant
15 - 14	ES016	S	Sewer main	BW	16501	Hadaa ka'daa aa dhaada	NI NI		Lague	relocate to suit new bridge if still required.
15 - 14	ES016	0	Sewer Rising Main	BW	16501	Under bridge - southbank Under bridge - southbank	N N		Leave Leave	
15 - 16	ES016	F	Electrical - street lighting	Energex	NA	existing gateway median	Y	new motorway alignment	relocate to suit new alignment	Conflict with new alignment
15 - 17	ES016	E	Electrical LVAG	Energex	16000	service corridor north of Lytton Rd	Y	new off ramp	relocate underground to suit new	Conflict with new alignment
	20010	_	2,000,100,127,10	Liioigox	10000	convice contact florar or Lyttom rta	•	now on ramp	alignment	ooning with hor angumon.
16 - 01	ES017	Е	Electrical HV UG	Energex	16681	Under bridge - southbank	Υ	Gateway bridge	relocate to suit new bridge piers	
16 - 02	ES107	С	OFC-UG / telecoms LBUG	unknown	16801	Under bridge - southbank	N		Leave	
17 - 01	ES018	Е	Electrical LVUG		17481	Under bridge - northbank	N		Leave	
17 - 02	ES018	S	Sewer rising main		17531	Under bridge - northbank	N		Leave	
17 - 03	ES018	G	Gas main		17961	Under road - Curtain Street	N		Leave	
17 - 05	ES018	S	Stormwater underground	BCC	17981	Under road - Curtain Street	N		Leave	
17 - 06	ES018	С	OFC	Optus	17981	Under road - Curtain Street	Р	Bridge Piers	Leave	close to new bridge pier arrangement - minimum clearance during construction and vibartion requirements
17 - 07	ES018	Е	Electrical - LVUG	Energex	17981	Under road - Curtain Street	Υ	New bridge and piers	Underground service and relocate away from bridge piers	
17 - 08	ES018	G	Gas Main	Energex	18001	Under road - Curtain Street. Feed adjacent property.	t N		Leave	
18 - 01A	ES019	С	telecomms HB UG	Telstra	18230	Under existing Fison Ave	Y	Retaining wall and embankment	lower and protect to suit new retaining	relocate and protect under retaining wall . Expected
									wall	settlement approx 1.1m. Arrange stabalizing piles to avoid
										service conflict.
18 - 01B	ES019	С	telecomms HB UG	Telstra	18230	Under existing Fison Ave	Y	Retaining wall and embankment	lower and protect to suit new retaining	relocate and protect under retaining wall . Expected
									wall	settlement approx 1.1m. Arrange stabalizing piles to avoid
18 - 01C	E0040	0	telecomms LB UG	Tolotro	18181	Under embankment Fison Ave	Y	Dataining wall	leves to evit new veteining well	service conflict. relocate and protect under retaining wall.
18 - 02	ES019 ES019	S	Abandoned sewer main	Telstra BW	18231	Under embankment Fison Ave	P	Retaining wall Retaining wall	lower to suit new retaining wall leave	confirm depth of service - remove if clash occurs with
10 - 02	E3019	3	Abandoned Sewer main	DVV	10231	Officer embankment rison Ave		Retailing wan	leave	retaining wall and stabalising piles
18 - 03	ES019	W	Water main 150 mm dia	BW	18231	Under road - Fison Ave	Y	Retaining wall	Cap at end of street and remove	relocate fire hydrant
18 - 04A	ES019	E	Electrical LV UG		18231	Under road - Fison Ave	Y	Retaining wall	Lower existing cables and protect	relocate and protect under retaining wall . Expected
		_		e.gex		0.1001.10010		Total III g		settlement approx 1.1m. Arrange stabalizing piles to avoid
										service conflict.
18 - 04B	ES019	Е	Electrical LV UG	Energex	18231	Under existing Gateway Motorway	N		Leave	confirm extent of service
18 - 05	ES019	S	Sewer raising main	BW	18231	Under Fison Ave	Y	Retaining wall and embankment	lower and protect and raise manholes	Replace with 300mm DICL - relocated between MH's - Protection
										under retaining wall. Raise manholes. Arrange stabilizing
										piles to avoid service conflict. Arrange stabilising piles to avoid
10 5		-		_	4000:					service conflict.
18 - 06	ES019	G	Gas Main	Energex	18231	Under Fison Ave	Y	Retaining wall and embankment	Cap off at end of Fison Avenue and	
10 00	E0040	•	Abandanad assurance - !	DW	10274	North of Figure Asse	P	Embantmant Coultrain	remove	about double of comics and the comics of comics and the comics of comics and the comics of comic
18 - 08	ES019	S	Abandoned sewer main	BW	18371	North of Fison Ave	1	Embankment Southern	Leave	check depth of service - remove if conflict occurs with
								Bifurcation		embankment/ret wall

	Drawing	Service		Owner (if						
Conflict No.	No.	Type	Service Description	known)	Chainage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
						cal Fibre Cable N - No P - Possible Y - Yes NA - Not A	Available BW	- Brisbane Water FCF - Fletcher Chelleng	ge Fuels OCR - Old Clevland Road	
rvice Type. AC - 18 - 09	Airport Commu ES019	nications Al	E - Airport Electrical C - Communications E Sewer main 150	- Electrical G - Gas and C	il S - Sewage SW 18501	- Stormwater U - Unknown W - Water Under embankments and retaining walls	Υ	Retaining wall and embankment	lower and protect. Relocate manholes	confirm extent of service - may be required to continue
18 - 11	ES019	С	OFC	Optus	18601	Laverack Avenue	N		Leave	service to properties
18 - 12	ES019	W	Water main UG	BW	18601	Laverack Ave	N		Leave	
18 - 12C	ES019	W	Water main UG	BW	18601	Property off Laverack Ave - under	Y	Embankment of Southern	Disconnect and remove	Not required to service resumed properties
10 120	20010		Water main 55	511	10001	embankment	'	Bification Rd	Disconincot and remove	Troctoquilou to dorvido rodulliou proportido
18 - 12D	ES019	W	Water main UG	BW	18601	Property off Laverack Ave - under embankment	Y	Embankment of Southern Bifircation	Disconnect and remove	Not required to service resumed properties
18 - 12E	ES019	W	Water main UG	BW	18601	Properly off Laverack Ave	N	Billication	Leave	
18 - 12F	ES019	W	Water main UG	BW	18601	Property off Laverack Ave	N		Leave	
18 - 13	ES019	C	Highband comms UG	Telstra	18601	Laverack Ave	N		Leave - underground service beneath Laverack Avenue overpass	check and maintain clearance and vibration during construction
18 - 13B	ES019	С	Highband comms UG	Telstra	18601	Property off Laverack Ave - under embankment	Y	Embankment of Southern Bification Rd	Remove	Not required to service resumed properties
18 - 13C	ES019	С	Highband comms UG	Telstra	18601	Property off Laverack Ave - under embankment	Y		Remove	Not required to service resumed properties
18 - 13D	ES019	С	Highband comms UG	Telstra	18601	Property off Laverack Ave - under embankment	Υ	Embankment of Southern Bification Rd	Remove	Not required to service resumed properties
18 - 13E	ES019	С	Highband comms UG	Telstra	18601	Property off Laverack Ave - under embankment	Y		Remove	Not required to service resumed properties
18 - 14	ES019	S	Sewer Rising Main	BW	18601	Under bridge across Laverack Ave	N		Leave	check and maintain clearance and vibration during construction
18 - 15	ES019	G	Ampol Oil Line	Ampol	18631	Under Laverack Ave	N		Leave	check and maintain clearance and vibration during construction
18 - 16	ES019	E	electrical AG	Energex	18631	Laverack Ave Centre median	Υ	(Laverack Ave)	Relocate underground	
18 - 16E	ES019	E	Electrical AG - to property	Energex	18631	Property off Laverack Ave	Y	Embankment of Southern Bification Rd		Not required to service resumed properties
18 - 16G	ES019	E	Electrical AG - to property	Energex	18631	Property off Laverack Ave	Y	Embankment of Southern Bification Rd		Not required to service resumed properties
18 - 16H	ES019	E	Electrical AG - to property	Energex	18631	Property off Laverack Ave	Y	Embankment of Southern Bification Rd	Remove and recover overhead services	Not required to service resumed properties
18 - 16J	ES019	E	Electrical AG - to property	Energex	18621	Property off Laverack Ave	N		Leave	
18 - 17	ES019	U	telecomms HB UG and Remote switching Unit (RSU)	Telstra	18621	Laverack Ave	Y	new bridge peirs	Leave	design and construct bridge piers to avoid conflict with common box. Use bored piers and maintain clearance and vibration requirements (1 m clearance, 50mm/sec max vib). Relocate cables to suit piers.
18 - 18A	ES019	S	Sewer main	BW	18635	Laverack Ave	N		leave	
18 - 18B	ES019	S	Abandoned sewer 150mm dia	BW	18601	Under embank Gateway Bification Rd	Y	southern bification	Disconnect and remove	
18 - 18C	ES019	S	Sewer main 150mm dia	BW	18635	Property of Laverack Ave	Y		disconnect and remove	Not required to service resumed properties
18 - 19	ES019	W	Water main	BW	18635	Under Laverack Ave	N		Leave	
18 - 19A	ES019	W	Water main 150mm dia	BW	18635	To property off Laverack Ave	Y		Disconnect	Not required to service resumed properties
18 - 19B	ES019	W	Water main 150mm dia	BW	18635	To property off Laverack Ave	N		Leave	
18 - 20	ES019	С	Telecomms HB AG	Telstra	18635	Laverack Ave - under motorway overpass	N		leave	check and maintain clearance and vibration during construction
18 - 20A	ES019	С	Telecomms HB AG	Telstra	18635	Laverack Ave and properties	Y			Not required to service resumed properties
18 - 20B	ES019	С	Telecomms HB AG	Telstra	18635	Laverack Ave and properties	Y			Not required to service resumed properties
18 - 20C	ES019	C	Telecomms HB AG	Telstra	18635	Laverack Ave and properties	N		Leave	
18 - 20D	ES019	С	Telecomms HB AG	Telstra	18635	Laverack Ave (E-W) and across road under Gateway overpass	Υ		relocate to suit new bridge piers	
18 - 21	ES019	E	electricity HVUG	Energex	18635	Laverack Ave and properties	N		Leave	



Second Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate manholes and inlets to suit new works Second Maintain Clearance to new works - relocate manholes and inlets to suit new works Second Maintain Clearance to new works - relocate in required Protect Second Maintain Clearance to new works - relocate in required Protect Second Maintain Clearance to new works - relocate manholes and inlets to suit new works Second Maintain Clearance to new works - relocate in required Protect Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate in required Second Maintain Clearance to new works - relocate manhole to suit new alignment Second Maintain Clearance to new relationing wall relocate underground conduits Second Maintain Clearance and monitor Second Mainta		Drawing	Service		Owner (if						
Procession Pro			Type							Mitigation Strategy	Comment
18 - 28 Estation VIV.55 Exercising man 200 minds 297 Section 18 - 28 Estation								Available BW	- Brisbane Water FCF - Fletcher Chelle	nge Fuels OCR - Old Clevland Road	
1. 75 75 75 75 75 75 75 75	•			4 - 2						T.,	
18 - 26			E	•			,	Y		disconnect and remove	
South Section Composition of the Composition of t	18 - 25	ES019	S	Sewer rising main 200mm dia	BW	18561	Harvey St	Y			
South Sout	18 - 26	ES010	\//	Water main 150mm dia	R\M	18571	Harvey St	V			relocate fire hydrant at end of Hanyey et
18 29 29 29 29 29 29 29 2	10 - 20	L0013	**	Water main 130mm dia	DVV	1007 1	Tial voy ot	'		·	Telocate ine riyarant at ena or riarvey st
1	18 - 28	FS019	9	sewer main 150mm dia	RW	18775	nth laverack ave	V			
18 18 18 18 18 18 18 18	10 20	20013		Sower main roomin dia	5**	10770	That laverack ave		now motorway angiment		
169 - 102 ES000 E Electrical steet lighting Serger NA existing gateway madem Y Pere motionsy gingment reflected to suit new dispressed Conflict with new alignment 1694 1695	18 - 29	FS019	F	Flectrical - street lighting	Energex	NA	existing gateway median	Υ	new motorway alignment		Conflict with new alignment
1984 - 10 1980 10 1980 10 1980 10 1980 1								•			y .
18A - 14 ES020 C Totomore HBUG Freeze Mod 159 m da PM MOS1 1520 cultar Na and rotation grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and an analysis of the service and restaurch grading and analysis of th				0 0				-	7 9	9	ostimo, wat now angimish
18A - 12 ES000 G Recommendation of the second of the secon							,	N N	non rotaning wan		
18A - 18									south bound on-ramp		
18A - 13A							!		<u> </u>		protect service where new works pass over pipeline. Confirm
AA - 138 E900 S Swew Main 150mm dial (possibly shandoned) 18A - 13D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 13D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 13D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 13D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 13D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 13D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 13D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 14D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 14D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 14D E900 S Swew Main 250mm dial (possibly shandoned) 18A - 14D E900 C Telecomms HBUG Telestra (MC81) 78D under motorway embankment Links Ave though embankment thinks ave the embankment and retaining wall orthogoned embankment and retaining wall of conflict course. Confirm location of junction with Cullen Ave wall wall would be embankment and retaining wall of conflict course. Confirm deptend on service and maintain clearance to new works - relocate in required. 18A - 16D E900 C G Swew Main 250mm dial (possibly shandoned) 18A - 16D E900 C Telecomms HBUG Telestra (MC81) 78D under motorway embankment Links Ave in C Gullen Ave well wall wall would be maintained clearance to new works - relocate in required wall wall would be maintained clearance to new works - relocate in required wall wall would be maintained clearance to new works - relocate in required wall wall would be maintained clearance to new works - relocate in required wall wall would be maintained clearance and maintain clearance to new works - relocate in under motorway and ret wall wall wall wall would be maintained treatining wall wall wall wall wall wall wall wal	10/1 12	20020		·	7 timpor	(111001) 000			•	110000	
18A - 13C ESCO S Sever Main SSUM MC81 / 780 under motorway embankment Links Ave under motorway under retaining wall new embankment and retaining relocate manhoics and inlets to suit new works embankment and retaining vall under embankment under motorway under retaining vall under embankment under retaining va	18A - 13A	ES020	S	Sewer Main 150mm dia	BW	(MC81) 575	·	Y	•	relocate manholes to suit new works	
BA - 13C ESCO S Sever Main Sever M	18A - 13B	FS020	S	Sewer Main 150mm dia (nossibly	RW	(MC81) 760	1.1.9	Y		abandon and remove	confirm extent of service and remove
18A - 13D ES020 S Sewer Main BW (MC81) 760 under motorway embankment Links Ave y south bound embankment relicing wall south bound embankment tell south bound embankment tell south bound embankment and relaining wall south south associated and relaining wall south bound embankment and relaining wall wall wall wall works. 18A - 15 ES020 S stormwater BCC (MC81) 740 under motorway embankment Links Ave into Cullen Ave wall wall works. 18A - 16 ES020 G G Sas Main Energex (MC81) 800 Links Ave- under motorway and ret wall y new relating wall protect confirm depth of service and suitability to leave under ne embankment and relating wall works. 18A - 17 ES020 E Electrical LVUG Energex (MC81) 800 Under embankment Links Ave N Leave confirm depth of service and suitability to leave under ne embankment and relating wall between underground conduits. Relocate underground conduits	10/1 100	20020			5**	(10001) 700	under motorway embankment Emiko 700	'	motorway widening	abandon and remove	Committee Control of Scrives and Terriore
Second S	18A - 13C	ES020	S	Sewer Main 250mm dia	BW	(MC81) 780	under motorway embankment Links Ave	Y	,	relocate to suit new alignment	
embankment/tealning wall new embankment and retaining wall wall 18A - 15	18A - 13D	ES020	S	Sewer Main	BW	(MC81) 760	under motorway embankment Links Ave	Y		relocate manhole to suit new works	
wall confirm coation of junction with Cullen A service and maintain clearance to new works - relocate in required Cullen Ave works 18A - 16 ES020 G Gas Main Energex (MC81) 800 Links Ave - under motorway and ret wall Y new retaining wall Protect confirm depth of service and suitability to leave under ne embankment and retaining wall 18A - 17 ES020 E Electrical LVUG Energex (MC81) 800 under embankment Links Ave N Leave confirm depth of service and suitability to leave under ne embankment and retaining wall 18A - 19 ES020 E Electrical LVUG Energex (MC81) 820 Cullen ave east Y off ramp Extend underground conduits. Relocate underground cables undergroun	18A - 13E	ES020	S	Sewer Main	BW	(MC81) 820	under motorway embankment Links Ave	Y		relocate to suit new alignment	
18A - 15	18A - 14	ES020	С	Telecomms HBUG	Telstra	(MC81) 760	under motorway embankment Links Ave	Y	J	lower and protect under retaining wall	conflict occurs. Confirm location of junction with Cullen Ave service and maintain clearance to new works - relocate if
Energy E	18A - 15	ES020	S	stormwater	BCC	(MC81) 740	•	Y	J		
18A - 17	18A - 16	ES020	G	Gas Main	Energex	(MC81) 800	Links Ave - under motorway and ret wall	Y	new retaining wall	Protect	confirm depth of service and suitability to leave under new embankment and retaining wall
18A - 19 ES020 E Electrical LVUG Energex (MC81) 820 Cullen ave east Y off ramp Extend underground conduits. Relocate support in the subject of the	18A - 17	ES020	E	Electrical LVUG	Energex	(MC81) 800	under embankment Links Ave	N		Leave	confirm depth of service and suitability to leave under new
Escontrol Escont	18A - 18	ES020	Е	Electrical LVUG	Energex	(MC81) 820	Cullen ave east	Υ	off ramp		
18A - 20 ES020 SW Stormwater BCC (MC81) 820 under motorway Y new south bound embankment relocate to suit new alignment relocate away from retaining wall close to new retaining wall - check clearance and monitor construction 18A - 21 ES020 E Electrical LVUG Energex (MC81) 880 Fison Ave off ramp P retaining wall relocate away from retaining wall close to new retaining wall - check clearance and monitor construction 18A - 22 ES020 E Electrical Power Pole Energex (MC81) 650 Cullen ave east N Leave 18A - 23 ES020 E Electrical LVUG Energex (MC81) 700 under embankment Links / Cullen Ave Y motorway embankment abandon and remove Not required to service resumed properties 18B - 01 ES021 SW Stormwater BCC (MC81) 1110 under motorway embankment Y new alignment and retaining wall relocate manhole to suit new alignment 18B - 02 ES021 E Electrical LVUG Energex (MC81) 1200 under motorway embankment P new alignment and retaining wall relocate manhole to suit new alignment 18B - 03 ES021 E Electrical LVUG Energex (MC81) 1200 under motorway embankment P new alignment and retaining wall relocate manhole to suit new alignment 18B - 08 ES021 E Electrical LVUG Energex (MC81) 1200 under motorway embankment P new alignment and retaining wall relocate manhole to suit new alignment embankment and retaining wall relocate manhole to suit new alignment embankment and retaining wall relocate manhole to suit new alignment embankment and retaining wall relocate manhole to suit new alignment embankment and retaining wall relocate manhole to suit new alignment embankment and retaining wall relocate manhole to suit new alignment embankment embankment and retaining wall relocate manhole to suit new alignment embankment embankment and retaining wall relocate manhole to suit new alignment embankment embankment and retaining wall relocate manhole to suit new alignment embankment emb											
18A - 20 ES020 SW Stormwater BCC (MC81) 820 under motorway Y new south bound embankment relocate to suit new alignment relocate to suit new ali	18A - 19	ES020	E	Electrical LVUG	Energex	(MC81) 820	Cullen ave east	Y	off ramp	•	
Electrical LVUG Energex (MC81) 880 Fison Ave off ramp Pretaining wall relocate away from retaining wall relocate away from retaining wall relocate away from retaining wall close to new retaining wall - check clearance and monitor construction N Leave Energex (MC81) 650 Cullen ave east N Rotorway embankment BCC (MC81) 700 Under embankment Links / Cullen Ave Under embankment Not required to service resumed properties Rotorway embankment Solution Not required to service resumed properties	18A - 20	ES020	SW	Stormwater	BCC	(MC81) 820	under motorway	Υ	new south bound embankment		
18A - 22	18A - 21		Е	Electrical LVUG	Energex		Fison Ave off ramp	Р	retaining wall		close to new retaining wall - check clearance and monitor construction
Energie (MC81) 700 under embankment Links / Cullen Ave	18A - 22	ES020	Е	Electrical Power Pole	Energex	(MC81) 650	Cullen ave east	N		Leave	
18B - 01 ES021 SW Stormwater BCC (MC81) 1090 under motorway embankment Y new alignment and retaining wall relocate manhole to suit new alignment 18B - 02 ES021 SW Stormwater BCC (MC81) 1110 under motorway embankment Y new alignment and retaining wall relocate manhole to suit new alignment 18B - 03 ES021 E Electrical LVUG Energex (MC81) 1200 under motorway embankment P new alignment and retaining wall Leave confirm depth of service and suitability to leave under ne embankment and retaining wall	18A - 23		E	Electrical LVUG			under embankment Links / Cullen Ave	Υ	motorway embankment	abandon and remove	Not required to service resumed properties
18B - 03 ES021 E Electrical LVUG Energex (MC81) 1200 under motorway embankment P new alignment and retaining wall Leave confirm depth of service and suitability to leave under ne embankment and retaining wall	18B - 01		SW	Stormwater			under motorway embankment	Y	new alignment and retaining wa	relocate manhole to suit new alignment	
embankment and retaining wall	18B - 02	ES021	SW	Stormwater	BCC	(MC81) 1110	under motorway embankment	Y	new alignment and retaining wa	relocate manhole to suit new alignment	
18B - 04A ES021 S Sewer Main 150mm dia BW (MC81) 1040 Fison Ave N leave			E			,	,	Р	new alignment and retaining wa	ll Leave	confirm depth of service and suitability to leave under new embankment and retaining wall
	18B - 04A	ES021	S	Sewer Main 150mm dia	BW	(MC81) 1040	Fison Ave	N		leave	



Conflict No. previations. AG - At ervice Type. AC - A 18B - 04B 18B - 04C	No. bove Ground Airport Commur ES021	Type UG - Under	Service Description Ground LV - Low Voltage HV - High Voltage	known)	Chainage					
18B - 04C	Airport Commur	uG - under nications Al	(atoling 1 A - 1 OM Aolisage HA - High Aolisage	- LD LD LID LIE	- Unamage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
18B - 04B 18B - 04C		iloutions / t	E - Airport Electrical C - Communications E -	e _LB - Low Band _HB - Hiṭ - Electrical _G - Gas and O	gn Band OFC - Opti Dil S - Sewage SW	cal Fibre Cable IN - No IP - Possible IY - Yes INA - Not . - Stormwater IU - Unknown IW - Water	Available BVV	- Brisbane Water FCF - Fletcher Chellen	ge Fuels OCR - Old Cleviand Road	
		S	Sewer Main 150mm dia	BW	(MC81) 1040	Fison Ave	N		leave	
10D 04D	ES021	S	Sewer Main 150mm dia	BW	(MC81) 1040	Fison Ave	N		leave	
100 - 040	ES021	S	Sewer Main 150mm dia	BW	(MC81) 1070	Fison Ave	N		leave	
18B - 05	ES021	W	Water	BW	(MC81) 1075	Fison Ave	N		leave	
18B - 06	ES021	W	Water	BW	(MC81) 1090	Fison Ave	N		leave	
18B - 07	ES021	Е	Electrical LVUG	Energex	(MC81) 1060	Fison Ave	N		leave	
18B - 08A	ES021	Е	Electrical LVUG	Energex	(MC81) 1180	Fison Ave	N		leave	
18B - 08B	ES021	Е	Electrical LVUG	Energex	(MC81) 1250	KSD	N		leave	close to new retaining wall - check clearance and monitor construction
18B - 09	ES021	С	Telecomms HBAG	Telstra	(MC81) 1190	Fison Ave	N		Leave	
18B - 10	ES021	Е	Electrical HVUG 33kV	Energex	(MC81) 1250	Fison Ave across KSD under motorway embankment	N		Leave	
18B - 10A	ES021	E	Electrical HVUG 33kV	Energex	(MC81) 1350	Bunya St	Р	new bridge piers	leave	close to new bridge piers - check clearance and design piers to suit cable location
18B - 11	ES021	Е	Electrical HVUG 33kV	Energex	(MC81) 1250	Fison Ave across KSD under motorway embankment	N		Leave	
18B - 11A	ES021	E	Electrical HVUG 33kV	Energex	(MC81) 1350	Bunya St	Р	new bridge piers	leave	close to new bridge piers - check clearance and design piers to suit cable location
18B - 12	ES021	S	Sewer Rising Main 375mm dia	BW	(MC81) 1250	Fison Ave / KSD	N		Leave	
18B - 13	ES021	E	Electrical power poles (x3)	Energex	(MC81) 1200- 1250	Fison Ave	N		Leave	
18B - 14	ES021	SW	Stormwater	BCC	(MC81) 1270	Fison Ave / KSD	N		Leave	
18B - 15	ES021	E	Electrical LVUG	Energex	(MC81) 1260	Fison Ave / KSD	N		leave	
18B - 16	ES021	S	Sewer Main 150mm dia	BW	(MC81) 1270	Fison Ave / KSD motorway embankment	N		leave	close to new retaining wall - check clearance and monitor construction
18B - 17	ES021	G	Gas Main	Energex	(MC81) 1320	KSD under motorway crossing	N		Leave	close to new retaining wall - check clearance and monitor construction
18B - 18	ES021	G	Gas Main	Energex	(MC81) 1320	KSD under motorway crossing	Y	new bridge piers	relocate to suit new works	
18B - 19	ES021	W	Water Main	BW	(MC81) 1300	KSD under motorway crossing	N		Leave	
18B - 20	ES021	Е	Electrical LVUG	Energex	(MC81) 1300	KSD under motorway crossing	N		leave	
18B - 20A	ES021	E	Electrical LVUG	Energex	(MC81) 1300	KSD under motorway crossing	Р	new bridge piers	leave	close to new bridge piers - check clearance and monitor construction
18B - 20B	ES021	E	Electrical LVUG	Energex	(MC81) 1300	KSD under motorway crossing	Y	new bridge piers	relocate to suit new works	
18B - 21	ES021	S	Sewer Main 1500mm dia	BW	(MC81) 1320	KSD under motorway crossing	N		Leave	approx 14m below SL - requirement for no load impact during/after construction.
18B - 21A	ES021	S	Sewer Main 150mm dia	BW	(MC81) 1330	KSD/Bunya St under motorway crossing	Y	new bridge piers	relocate to suit new bridge piers	relocate across corner of KSD-Bunya St to suit new piers

	Drawing	Service	;	Owner (if						
Conflict No.	No.	Type	Service Description	known)	Chainage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
			Ground LV - Low Voltage HV - High Volt E - Airport Electrical C - Communications			ical Fibre Cable N - No P - Possible Y - Yes NA - No	lot Available BW -	- Brisbane Water FCF - Fletcher Chelleng	ge Fuels OCR - Old Clevland Road	
18B - 22	ES021	E	Electrical LVUG	Energex	(MC81) 1300	KSD under motorway crossing	N		Leave	
18B - 23	ES021	Е	Electrical LVUG	Energex	(MC81) 1300	KSD under motorway crossing	N		Leave	
18B - 24	ES021	S	Sewer Main 1575mm dia	BW	(MC81) 1330	Bunya Rd intersection under properties to the west	N		Leave	approx 14m below SL - requirement for no load impact during/after construction.
18B - 25	ES021	G	Gas Main	Energex	(MC81) 1370	Bunya Rd and across KSD	Y	new bridge piers	relocate to suit new works	relocate across corner of KSD-Bunya St to suit new piers
18B - 26	ES021	С	Telecomms HBUG	BW	(MC81) 1375	Bunya Rd / KSD	Y	new bridge piers	relocate to suit new works	relocate across corner of KSD-Bunya St to suit new piers
18B - 27	ES021	С	OFC	Optus	(MC81) 1325	KSD under motorway overpass	N		Leave	
18B - 28	ES021	W	Water Main	BW	(MC81) 1340	KSD west of motorway embankment-KSD north side	N		Leave	
18B - 28A	ES021	W	Water Main	BW	(MC81) 1341	Bunya St	Y	retaining wall	relocate to suit new works	water main network around cnr KSD and Bunya St relocate pipelines, MH's and valves to suit new retaining wall and piers
18B - 29	ES021	С	Telecomms HBAG	Telstra	(MC81) 1300	KSD	N		Leave	
18B - 30	ES021	SW	Stormwater	BCC	(MC81) 1360	KSD / Bunya Rd under bridge	Y	new abutment and bridge piers	relocate to suit new works	relocate pits/manholes and pipe around Bunya St-KSD intersection
18B - 31	ES021	S	Sewer Main 1575mm dia	BW	(MC81) 1350	cross Bunya Rd and west of motorway	Р	new bridge piers	Leave	approx 14m below SL - requirement for no load impact during/after construction.
18B - 32	ES021	S	Sewer Main 150mm dia	BW	(MC81) 1440	north of KSD under new motorway alignment	Y	new alignment and retaining wall	abandon and cut off	V.
18B - 33	ES021	SW	Stormwater	BCC	(MC81) 1530	under embankment north of KSD	N		Leave	
18B - 34	ES021	Е	electrical LVUG 11kV line	Energex	(MC81) 1325	Bunya Rd/KSD	Y	retaining wall and new bridge piers	relocate to suit new works	relocate across corner of KSD-Bunya St to suit new piers and retaining wall
18B - 34A	ES021	Е	electrical LVUG 11kV line	Energex	(MC81) 1326	Bunya Rd	Y	retaining wall and new bridge piers	relocate to suit new works	relocate across corner of KSD-Bunya St to suit new piers and retaining wall
18B - 35	ES021	Е	Electrical substation	Energex	(MC81) 1060	Fison Ave	Y	new alignment and retaining wall	relocate to neighbouring property	neighbouring property owned by Energex - relocate to Energex property
18B - 36	ES021	С	telecomms LB UG / OFC	Telstra	(MC81) 1325	Bunya Rd	Y	retaining wall - Bunya Rd	relocate to suit new works	possibly above ground - remove end of cable under retaining wall - relocate if still required
18B - 37	ES021	E	Electrical LVAG	Energex	(MC81) 1325	Bunya Rd	Y	retaining wall - Bunya Rd	abandon end of cable under retaining wall	determine full extent of service - possibly not required to service resumed properties. If still required - underground and relocate to suit new retaining wall.
18B - 38	ES021	E	Electrical - street lighting	Energex	NA	existing gateway median		, ,	relocate to suit new alignment	Conflict with new alignment
18B - 39	ES021	Е	Electrical LV UG	Energex	(MC81) 1300	KSD under motorway overpass	Y	new bridge piers	relocate to suit new bridge piers	
19 - 01	ES022	С	Telecomms HB AG	Telstra	18901	KSD	Υ	new motorway bridge	relocate underground	
19 - 02	ES022	С	Telecomms HB AG	Telstra	18901	KSD	Y	new motorway bridge	relocate underground	
19 - 02A	ES022	С	Telecomms HB AG	Telstra	18881	KSD - service to property	N		Leave	
19 - 02B	ES022	С	Telecomms HB AG	Telstra	18891	KSD - service to property	Υ		Remove	not required to service resumed properties
19 - 02C	ES022	С	Telecomms HB AG	Telstra	18871	KSD - service to property	Υ		Remove	not required to service resumed properties
19 - 03	ES022	G	Gas Main	Energex	18901	KSD	N		Leave	check and maintain clearances and vibration during construction
19 - 04	ES022	W	Water main 150mm dia	BW	18921	KSD	N		Leave	
19 - 04A	ES022	W	Water main 150mm dia	BW	18921	KSD - service to property	N		Leave	
19 - 04B	ES022	W	Water main 150mm dia	BW	18921	KSD - service to property	Y	Gateway Bification Road - overpass of KSD	Disconnect	not required to service resumed properties



	Drawing	Service		Owner (if						
Conflict No.	No.	Type	Service Description	known)	Chainage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
						tical Fibre Cable N - No P - Possible Y - Yes	NA - Not Available BW	- Brisbane Water FCF - Fletcher Che	lenge Fuels OCR - Old Clevland Road	
		ications Al	E - Airport Electrical C - Communications E							
19 - 04C	ES022	W	Water main 150mm dia	BW	18921	KSD - service to property	Y	Gateway Bification Road -	Disconnect	not required to service resumed properties
								overpass of KSD		
19 - 04D	ES022	W	Water main 150mm dia	BW	18921	KSD - service to property	Y	Gateway Bification Road -	Disconnect	not required to service resumed properties
								overpass of KSD		
19 - 04E	ES022	W	Water main 150mm dia	BW	18921	KSD - service to property	Y	Gateway Bification Road -	Disconnect	not required to service resumed properties
								overpass of KSD		
19 - 04F	ES022	W	Water main 150mm dia	BW	18921	KSD - service to property	Y	Gateway Bification Road -	Disconnect	not required to service resumed properties
								overpass of KSD		
19 - 04G	ES022	W	Water main 150mm dia	BW	18930	KSD	N		Leave	close to bridge piers - check clearance and monitor during
										construction
19 - 05A	ES022	S	Sewer rising main 900mm dia	BW	18931	KSD	N		Leave	
19 - 05B	ES022	S	Sewer rising main 1350mm dia	BW	18931	KSD	N		Leave	
19 - 05C	ES022	S	Sewer rising main 1350mm dia	BW	18931	KSD	N		Leave	
19 - 06	ES022	Е	electrical LVAG	Energex	18930	KSD	Y	new motorway bridge	relocate underground	
19 - 07	ES022	С	Highband comms AG	Telstra	18941	KSD	Y	new motorway bridge	relocate underground	
19 - 08	ES022	С	OFC	Optus	19081	Railway Reserve	N		relocate to avoid bridge piers	
19 - 09	ES022	Е	Electrical LVUG	Energex	19111	Railway Reserve	Y	bridge piers	relocate to avoid bridge piers	
19 - 12	ES022	Е	Electrical LVUG	Energex	18901	KSD	N		Leave	Confirm extent of service. Switch box/transformer
19 - 13	ES022	S	Stormwater	BCC	18911	KSD	N		Leave	
19 - 14	ES022	G	Oil pipeline	FCF	18921	KSD	N		Leave	
19 - 15	ES022	Е	Power poles - AG Electricity	Energex	18931	KSD	N		Leave	
19 - 16	ES022	S	Stormwater	BCC	18930	KSD	N		Leave	
19 - 17	ES022	Е	Electrical LV AG	Energex	19075	Railway Reserve	Y	new motorway bridge	relocate underground	
19 - 18	ES022	Е	Electrical LV AG - street lights	Energex	NA	north of KSD	Y	new motorway	remove/relocate	Conflict with new alignment



	Drawing	Service		Owner (if						
Conflict No.	No.	Type	Service Description	known)	Chainage	Footprint	Clash	Works Affected	Mitigation Strategy	Comment
						ical Fibre Cable N - No P - Possible Y - Yes NA - Not	Available BW	- Brisbane Water FCF - Fletcher Chell	lenge Fuels OCR - Old Clevland Road	
rice Type. AC -	Airport Commur	lications AE	E - Airport Electrical C - Communications E - Elect	trical G - Gas and C	DII S - Sewage Svv	- Stormwater U - Unknown VV - Water				
nkenba Rail I	Line to Nudg	ee Road	(CH19100 to CH25250)							
19 - 10	ES022	W	Water main	BW	19121	Railway Reserve	N		Leave	close to new bridge piers - check clearance and monitor construction
19 - 11	ES022	С	Highband comms AG	unknown	19121	Railway Reserve	N		Leave	
19 - 19	ES022	S	Proposed sewerage pump station and	BW	19100	Terminal Drive	Р	bridge piers	locate PS and RM to avoid proposed	
			rising main						bridge alignment	
21 - 01	ES024	AC	Airport comms abandoned	BAC	20431	under bridge - south of Airport Dr	N		Leave	
21 - 02	ES024	AC	Airport comms abandoned	BAC	20431	under bridge - south of Airport Dr	N		Leave	
21 - 03	ES024	AE	Airport Electrical abandoned	BAC	20431	under bridge - south of Airport Dr	Y	bridge piers	remove	
21 - 04	ES024	AE	Airport Electrical abandoned	BAC	20431	under bridge - south of Airport Dr	N		Leave	
21 - 05	ES024	AE	Airport Electrical abandoned	BAC	20556	under bridge - south of Airport Dr	N		Leave	
21 - 06	ES024	AE	Airport Electrical abandoned	BAC	20556	under bridge - south of Airport Dr	N		Leave	
21 - 07	ES024	AC	Airport comms abandoned	BAC	20631	under bridge - south of Airport Dr	Υ	bridge piers	remove	
21 - 08	ES024	AC	Airport comms abandoned	BAC	20671	under bridge - south of Airport Dr	N		Leave	
21 - 09	ES024	AC	Airport comms abandoned	BAC	20711	under bridge - south of Airport Dr	N		Leave	
21 - 10	ES024	AC	Airport comms abandoned	BAC	20741	under bridge - south of Airport Dr	N		Leave	
21 - 11	ES024	S	Sewer Main abandoned	BW	20781	under bridge - south of Airport Dr	N		Leave	
21 - 12	ES024	AC	Airport comms abandoned	BAC	20791	under bridge - south of Airport Dr	N		Leave	
21 - 13	ES024	W	Water Main abandoned	BW	20791	under bridge - south of Airport Dr	N		Leave	
21 - 14A	ES024	AC	Airport comms UG	BAC	20831	partially under bridge - south of Airport Dr	N		Leave	
21 - 14B	ES024	AC	Airport comms UG	BAC	20831	East of bridge - south of Airport Dr	N		Leave	
21 - 15	ES024	С	Telecomms LBUG abandoned	BAC	20831	under bridge - south of Airport Dr	N		Leave	
21 - 16	ES024	S	Sewer Rising Main	BW	20851	under bridge - south of Airport Dr	N		Leave	
21 - 17	ES024	U	Unknown	unknown	20791	under bridge - south of Airport Dr	N		Leave	
21 - 18A	ES024	Е	Electrical	unknown	20831	under bridge - south of Airport Dr	N		Leave	
21 - 18B	ES024	Е	Electrical	unknown	20831	under bridge - south of Airport Dr	Y	bridge piers	remove/relocate	
21 - 19	ES024	W	Water Main	BW	20831	partially under bridge - south of Airport Dr	N		Leave	
21 - 20	ES024	W	Water Main	BW	20851	under bridge - south of Airport Dr	Р	bridge piers	relocate to avoid bridge piers	
21 - 21	ES024	Е	Electrical LVUG	unknown	20881	under bridge - south of Airport Dr	N	3 .	Leave	
21 - 21A	ES024	Е	Electrical LVUG	unknown	20825	under bridge - south of Airport Dr	Y	bridge piers	remove	
21 - 22	ES024	С	Telecomms HBUG	unknown	20931	Airport Dr south	Р	bridge piers	relocate to avoid bridge piers	
21 - 23	ES024	S	Sewer Rising Main	BW	20951	Airport Dr south	N	3 1	Leave	
21 - 24	ES024	Ū	Service Ducts	unknown	20951	Airport Dr south	Р	bridge piers	Leave	
21 - 25	ES024	C	Telecomms HBAG		20981	Airport Dr north	N	3.1.	Leave	
21 - 26	ES024	F	Electrical LVUG		20971	Airport Dr north	N		Leave	
21 - 27	ES024	F	Electrical LVUG		20675	under bridge - south of Airport Dr	N		Leave	
21 - 28	ES024	F	Electrical LVUG		20825	under bridge - south of Airport Dr	N		Leave	
21 - 29	ES024	F	Electrical LVUG		20825	under bridge - south of Airport Dr	N		Leave	
22 - 01	ES025	E	Electrical HVUG 110kV		21381	under new motorway embankment	Y	embankment over service	Bridge	110kV oil filled cable not tollerable to differential settlem
						,				Construct bridge over cable.
23 - 01	ES026	W	Water Main 300 mm dia	BW	22481	Under embankment future airport link	Υ	embankment over service	Protect	Protect with large culvert to accommodate settlements
23 - 02	ES026	E	Electrical LVUG		22481	Under embankment future airport link	Y	embankment over service	Protect	33kV line. Protect with large culvert to accommodate
		_				and the second s				settlements
23 - 03	ES026	Е	Electrical HVUG	Energex	22481	Under embankment future airport link	Υ	embankment over service	Protect	33kV line. Protect with large culvert to accommodate
		_				one of the original of the ori		55dillation 5701 0017100		settlements
26 - 01	ES029	С	Telecomms LBUG / OFC	Telstra	23931	Under embankment North Bification	P	embankment over service	Leave	Comonionio
27 - 01 27 - 01	ES030		Electrical HVAG		24331	over existing motorway	N	STEPARTICITION OVER SCIVICE	Leave	check sag and maintain construction clearances
<u> </u>	L3030	ㄴ	Licotifical FIVAG	I OMCIIIIK	4700 I	OVER GAISTING HICKOI Way	IN		LGAVE	oncor say and maintain construction dealances

