

LEGEND:	
	EXISTING KERB / FENCE
	NEW KERB
	KERB TO BE REMOVED
	EXISTING ROAD MARKING
	NEW ROAD MARKING
	ROAD MARKING TO BE REMOVED
	RED THRESHOLD TREATMENT
	DRIVEWAY
	NEW PRAM CROSSING / RAMP
	NEW WARNING TACTILE PAVERS
	REGRADE GRASS BERM
	NEW TRAFFIC ISLAND
	NEW SPEED HUMP
	EXISTING FOOTPATH
	NEW CONCRETE FOOTPATH
	FOOTPATH TO BE REMOVED
	MILL AND RESURFACE
	STREETLIGHT/POWERPOLE
	NEW/EXISTING/REMOVE SIGN
	MANHOLE / SERVICE COVER
	CATCHPIT / SPLAY CATCHPIT
	TREE

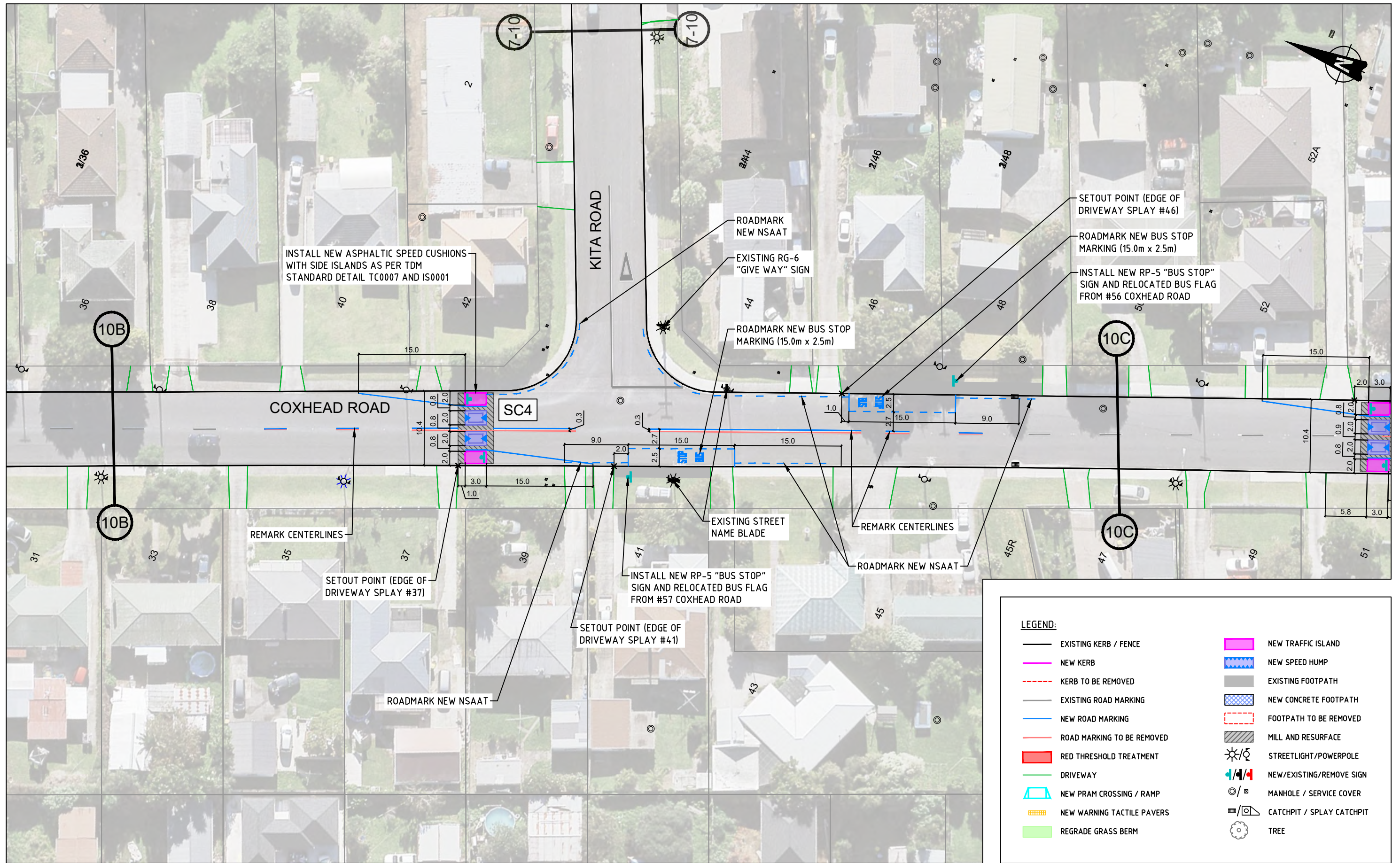
FOR CONSTRUCTION

				FOR:		BY:		Drawn SL		Designed SL		Client	
				Auckland Transport		Traffic Engineering Solutions Limited		Drafting Check SC		Design Check SC		Project	
				Auckland Council Organisation		Traffic Engineering Solutions Limited PO Box 7237, Wellesley Street, Auckland 1036 P: 0800 837 583, E: info@tes.net.nz		Approved				Auckland Transport	
				SL SC SC 01/22				Date 28/01/2022				MANUREWA RSM COXHEAD QUADRANT	
				SL SC SC 12/21				Scale 1:500 @ A3 SIZE				COXHEAD ROAD	
				No Revision Note: * indicates signatures on original issue of drawing or last revision of drawing								LAYOUT PLAN WITH CRITICAL DIMENSIONS	
				Drawn Checked Approved Date								Original Size	
												A3 Project No: T20115-2 Drawing No: R1-1001 Rev: B	









LEGEND:

—

EXISTING KERB / FENCE

—

NEW KERB

---

KERB TO BE REMOVED

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EXISTING ROAD MARKING

---

NEW ROAD MARKING

---

ROAD MARKING TO BE REMOVED

■

RED THRESHOLD TREATMENT

---

DRIVEWAY

▤

NEW PRAM CROSSING / RAMP

▤

NEW WARNING TACTILE PAVERS

---

REGRADE GRASS BERM

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NEW SPEED HUMP

EXISTING FOOTPATH

NEW CONCRETE FOOTPATH

FOOTPATH TO BE REMOVED

MILL AND RESURFACE

STREETLIGHT/POWERPOLE

NEW/EXISTING/REMOVE SIGN

MANHOLE / SERVICE COVER

CATCHPIT / SPLAY CATCHPIT

TREE

FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved
					Date

FOR:

BY:

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PO Box 7237, Wellesley Street, Auckland 1036  
P: 0800 837 583, E: info@tes.net.nz



Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client

Project

Original Size

A3

Project No: T20115-2

Drawing No: R1-1003

Rev: B

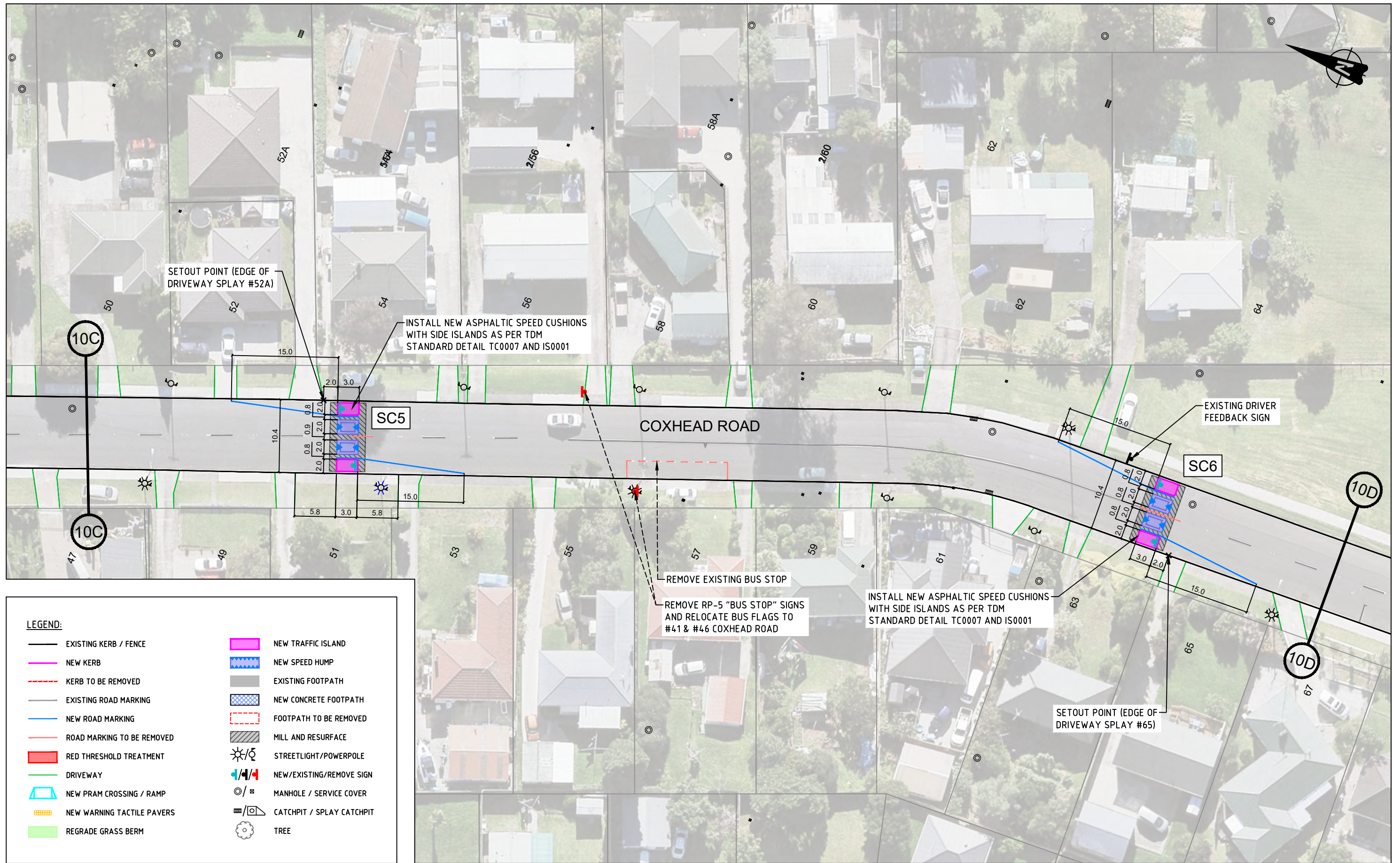
AUCKLAND TRANSPORT

MANUREWA RSM COXHEAD QUADRANT

COXHEAD ROAD

LAYOUT PLAN WITH CRITICAL DIMENSIONS





FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22	
A	FIRST ISSUE	SL	SC	SC	12/21	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

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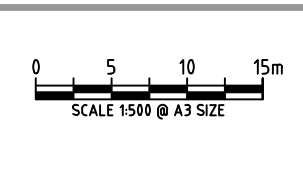
**Auckland Transport**  
An Auckland Council Organisation

**AT**

BY:

**TRAFFIC ENGINEERING SOLUTIONS LIMITED**

Traffic Engineering Solutions Limited  
PO Box 7237, Wellesley Street, Auckland 1036  
P: 0800 837 583, E: info@tes.net.nz



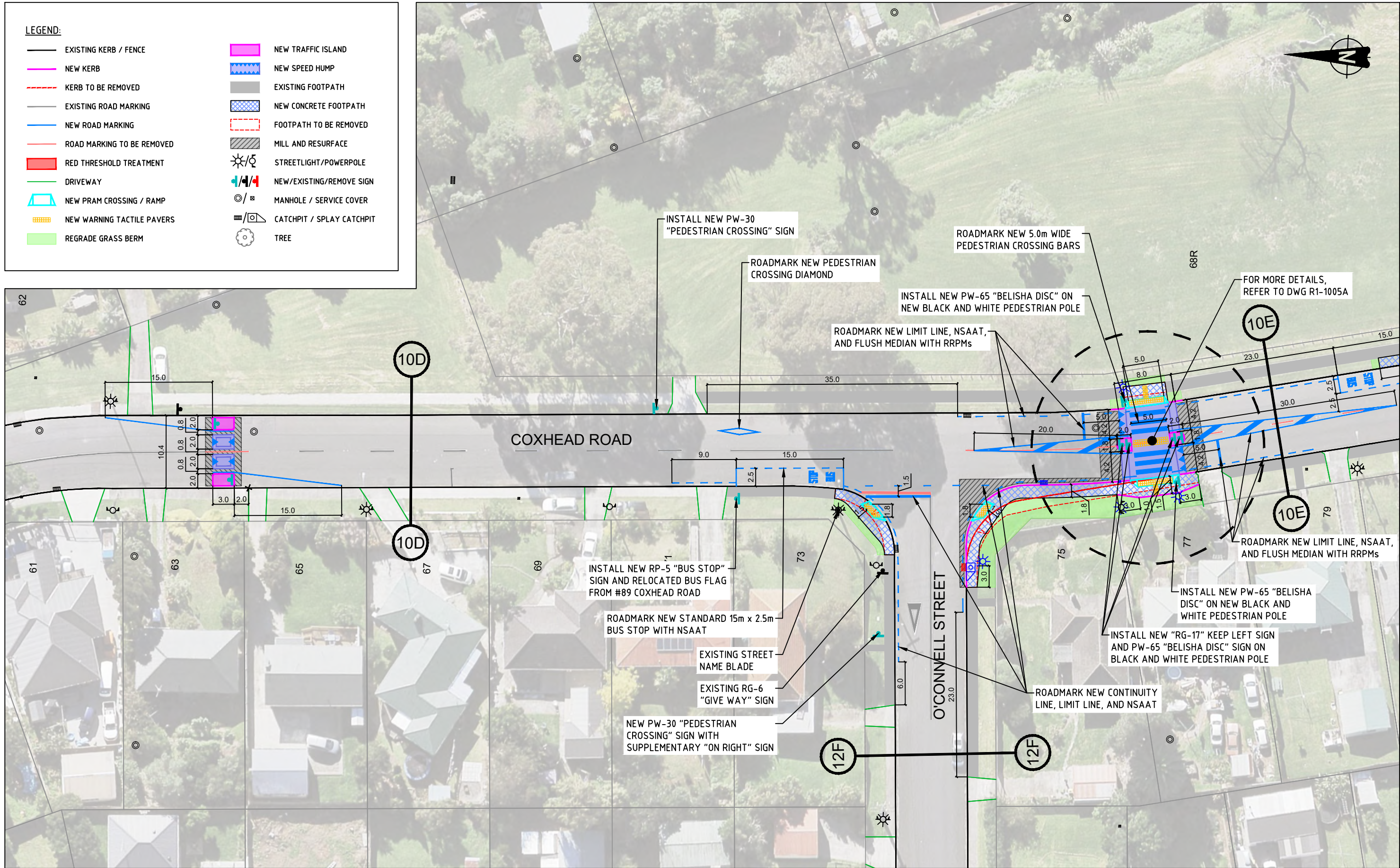
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Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**

Project **MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD LAYOUT PLAN WITH CRITICAL DIMENSIONS**

Original Size **A3** Project No: **T20115-2** Drawing No: **R1-1004** Rev: **B**





FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved
					Date

FOR:



BY:



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P: 0800 837 583, E: info@tes.net.nz



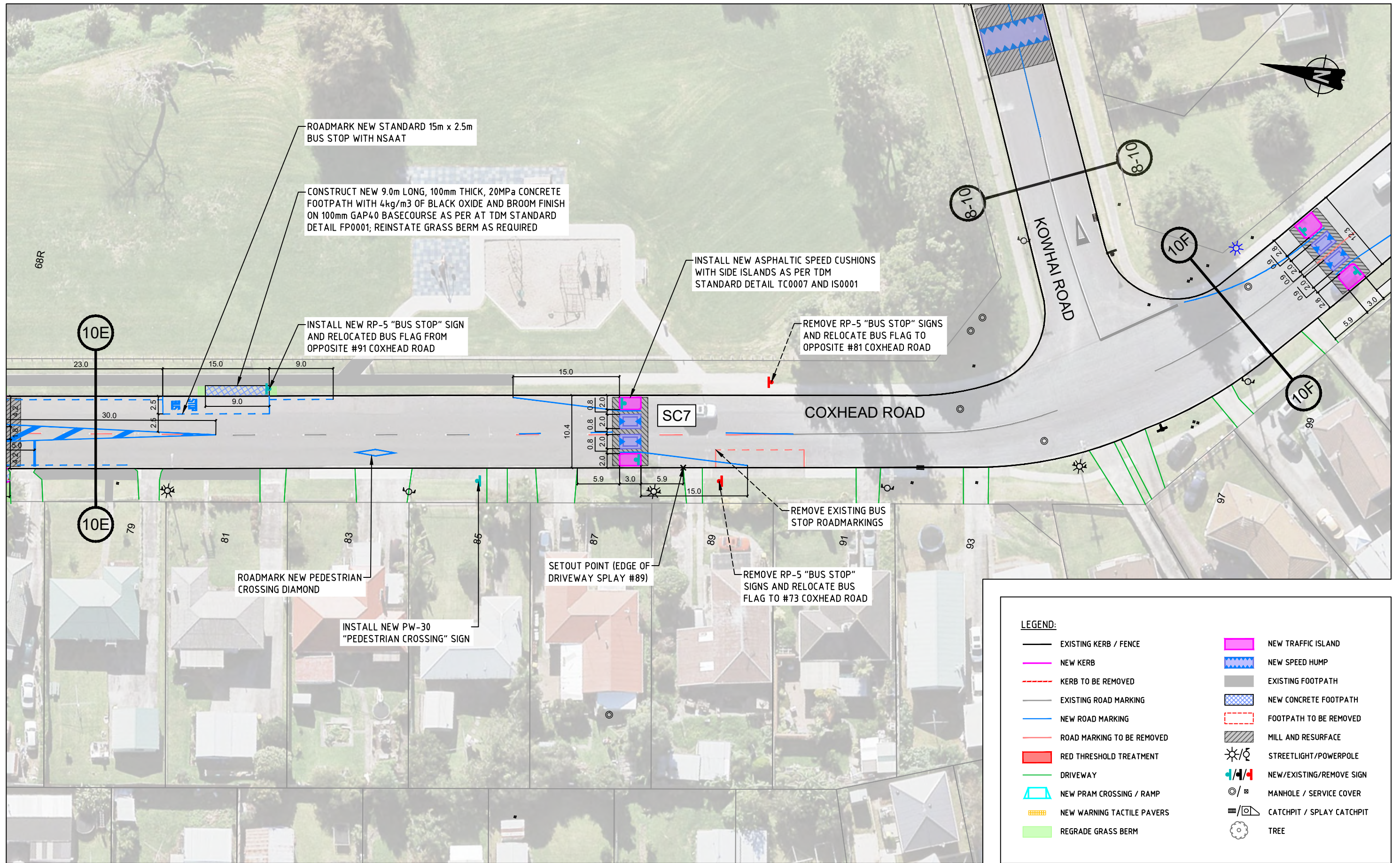
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Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:250 @ A3 SIZE		

Client	AUCKLAND TRANSPORT
Project	MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD LAYOUT PLAN WITH CRITICAL DIMENSIONS
Original Size	A3
Project No:	T20115-2
Drawing No:	R1-1005
Rev:	B









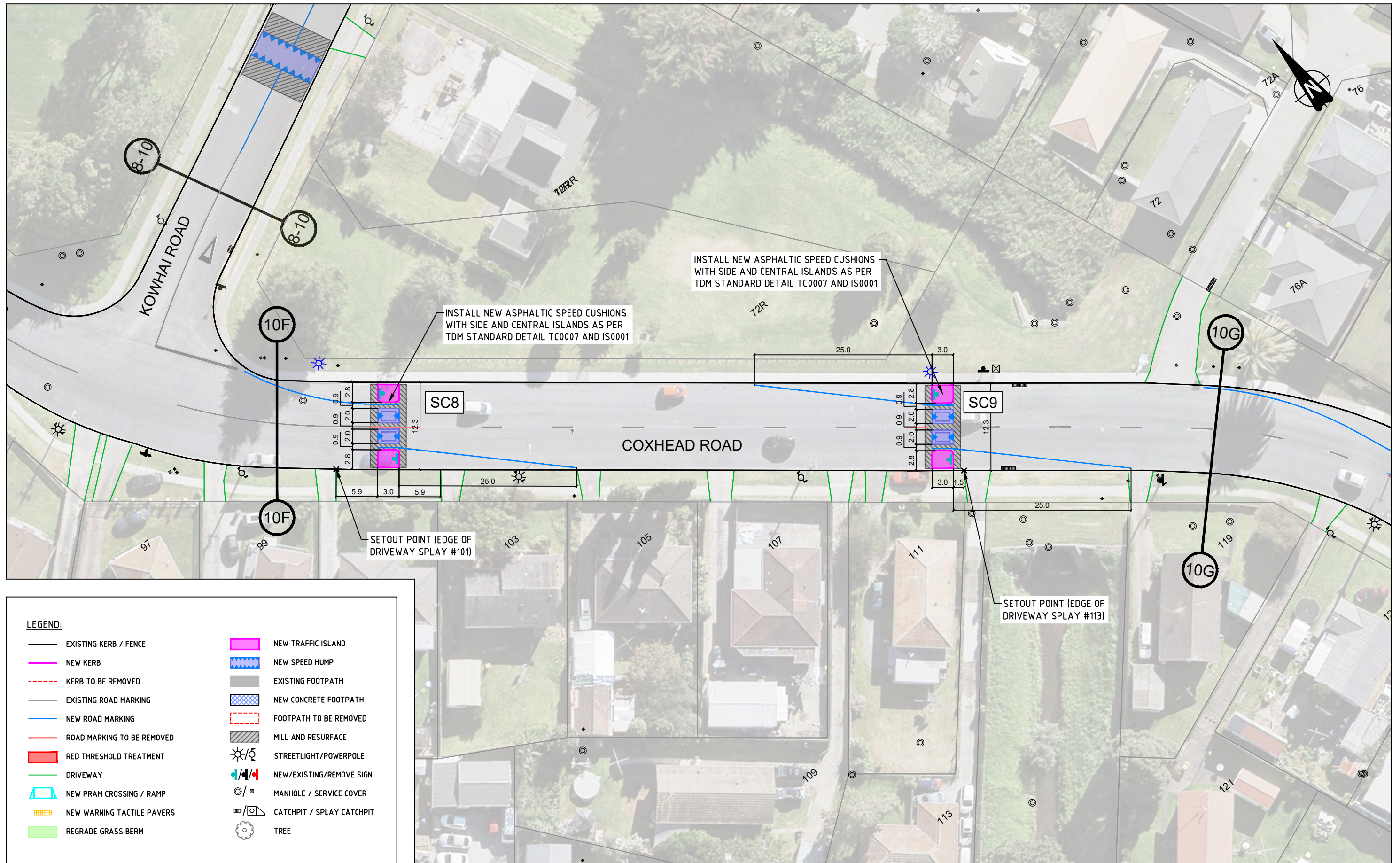
**LEGEND:**

EXISTING KERB / FENCE	NEW TRAFFIC ISLAND
NEW KERB	NEW SPEED HUMP
KERB TO BE REMOVED	EXISTING FOOTPATH
EXISTING ROAD MARKING	NEW CONCRETE FOOTPATH
NEW ROAD MARKING	FOOTPATH TO BE REMOVED
ROAD MARKING TO BE REMOVED	MILL AND RESURFACE
RED THRESHOLD TREATMENT	STREETLIGHT/POWERPOLE
DRIVEWAY	NEW/EXISTING/REMOVE SIGN
NEW PRAM CROSSING / RAMP	MANHOLE / SERVICE COVER
NEW WARNING TACTILE PAVERS	CATCHPIT / SPLAY CATCHPIT
REGRADE GRASS BERM	TREE

FOR CONSTRUCTION

					FOR:		BY:																																	
					Auckland Transport <i>An Auckland Council Organisation</i>								<table><tr><td>Drawn</td><td>SL</td><td>Designed</td><td>SL</td></tr><tr><td>Drafting Check</td><td>SC</td><td>Design Check</td><td>SC</td></tr><tr><td colspan="4">Approved</td></tr><tr><td>Date</td><td colspan="3">28/01/2022</td></tr><tr><td>Scale</td><td colspan="3">1:500 @ A3 SIZE</td></tr></table>		Drawn	SL	Designed	SL	Drafting Check	SC	Design Check	SC	Approved				Date	28/01/2022			Scale	1:500 @ A3 SIZE			<table><tr><td>Client</td><td rowspan="3">AUCKLAND TRANSPORT MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD LAYOUT PLAN WITH CRITICAL DIMENSIONS</td></tr><tr><td>Project</td></tr><tr><td>Original Size</td></tr></table>		Client	AUCKLAND TRANSPORT MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD LAYOUT PLAN WITH CRITICAL DIMENSIONS	Project	Original Size
Drawn	SL	Designed	SL																																					
Drafting Check	SC	Design Check	SC																																					
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Date	28/01/2022																																							
Scale	1:500 @ A3 SIZE																																							
Client	AUCKLAND TRANSPORT MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD LAYOUT PLAN WITH CRITICAL DIMENSIONS																																							
Project																																								
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B SECOND ISSUE					SL	SC	SC	01/22																																
A FIRST ISSUE					SL	SC	SC	12/21																																
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing			Drawn	Checked	Approved	Date							A3 Project No: T20115-2 Drawing No: R1-1006 Rev: B																									





FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved

FOR:



BY:



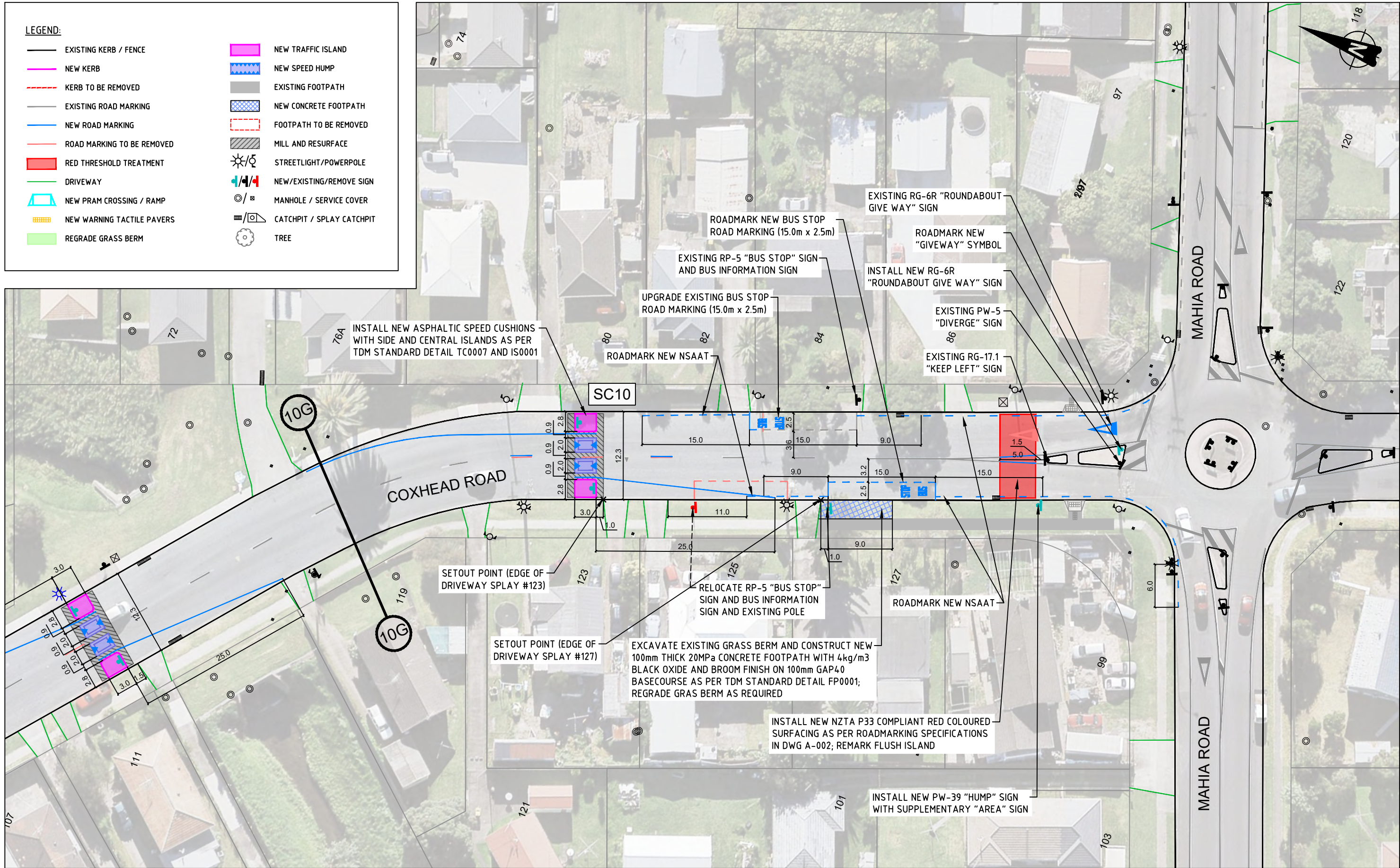
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Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client	AUCKLAND TRANSPORT		
Project	MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD LAYOUT PLAN WITH CRITICAL DIMENSIONS		
Original Size	A3	Project No:	T20115-2
		Drawing No:	R1-1007
		Rev:	B





FOR CONSTRUCTION

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A	FIRST ISSUE	SL	SC	SC	12/21	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date



BY:

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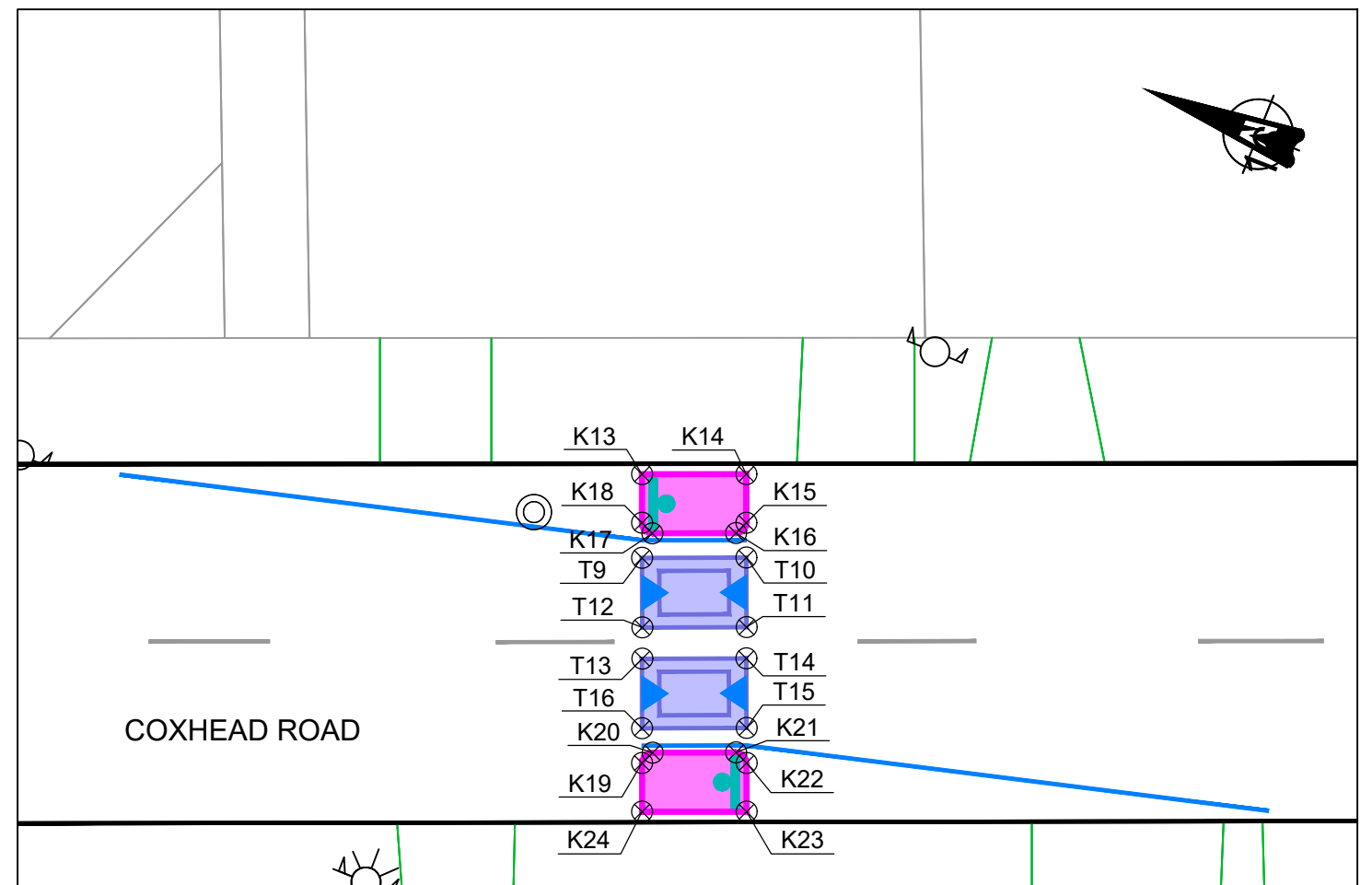
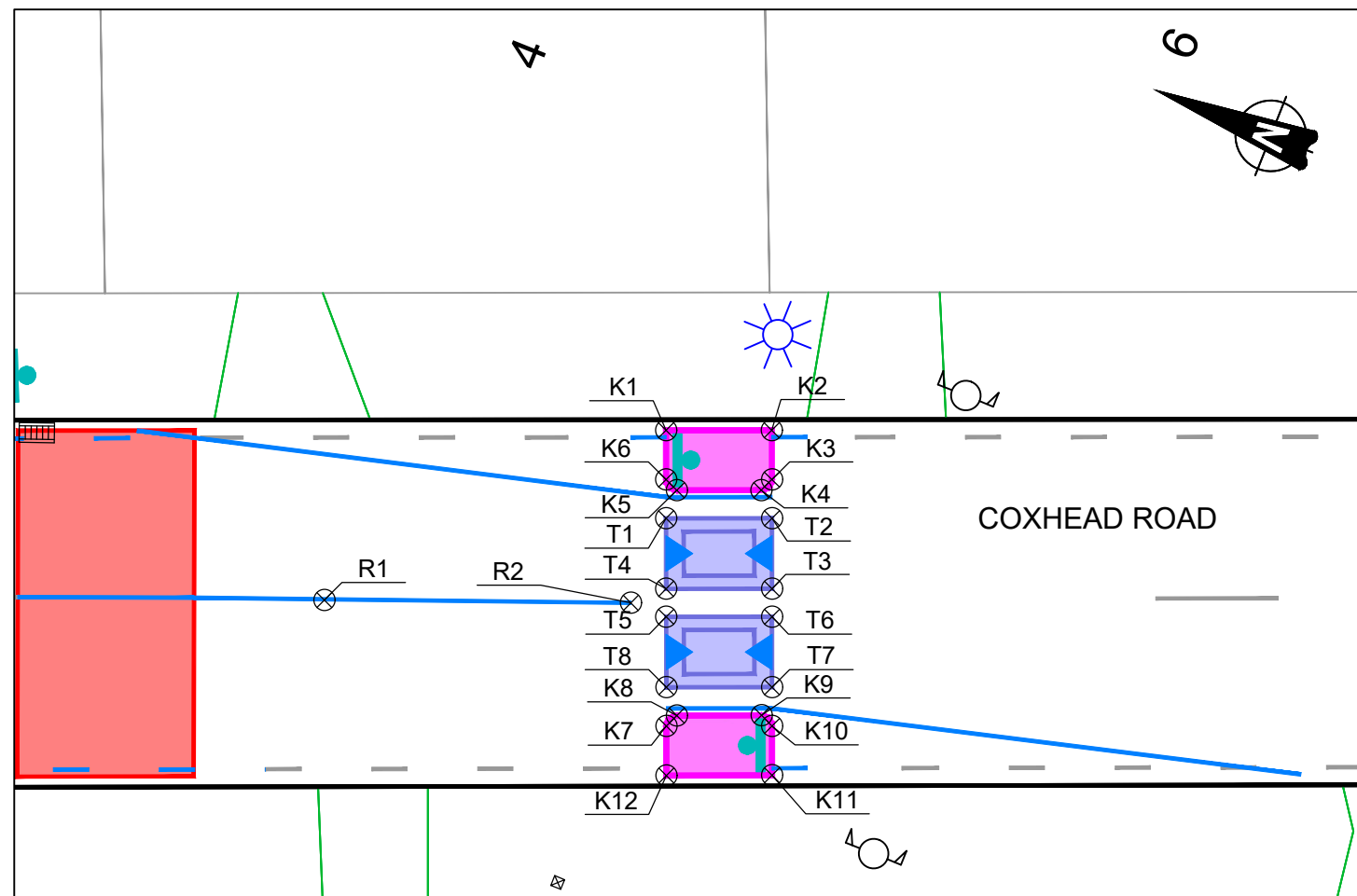
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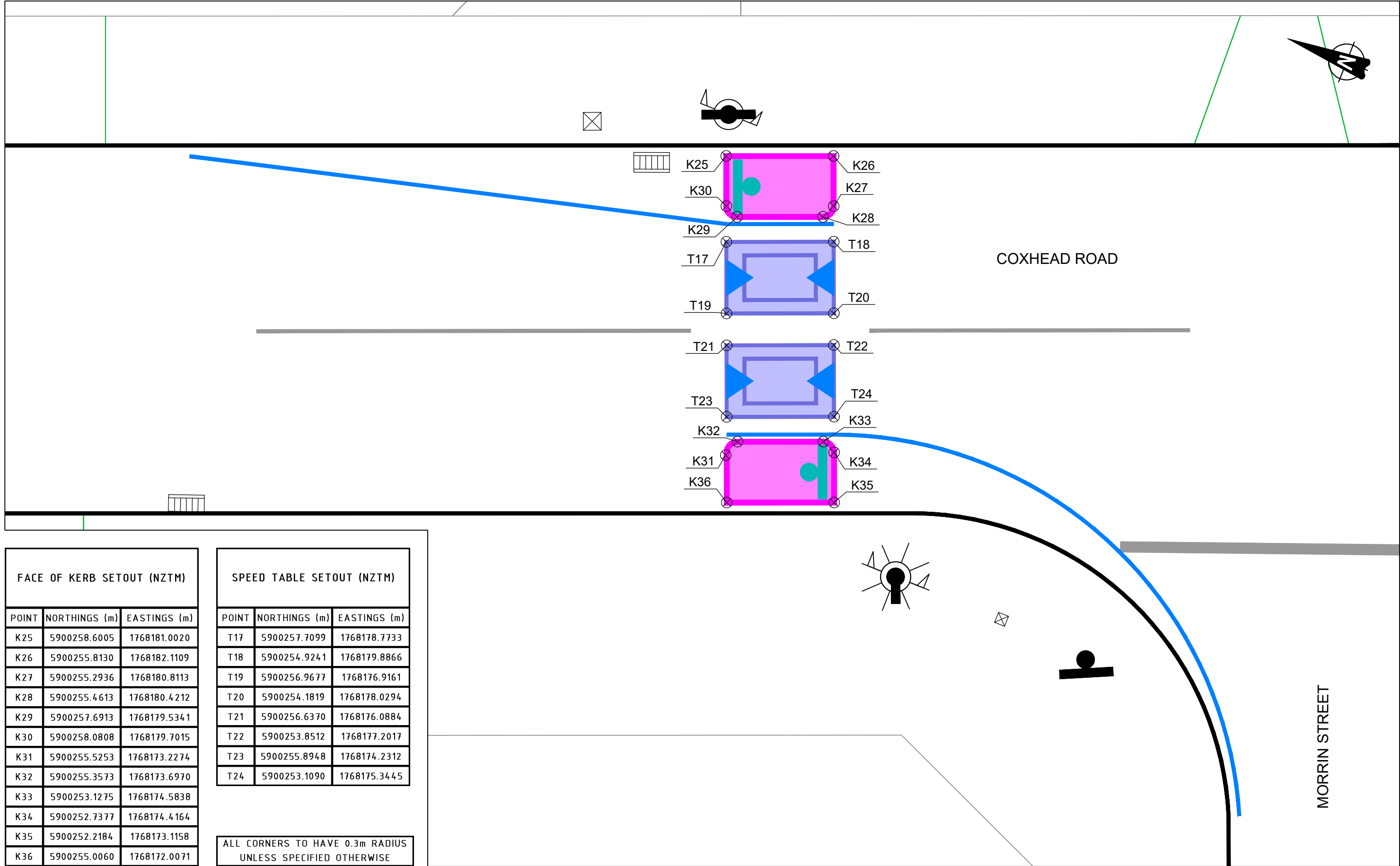
Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**  
Project **MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD LAYOUT PLAN WITH CRITICAL DIMENSIONS**  
Original Size **A3** Project No: **T20115-2** Drawing No: **R1-1008** Rev: **B**









FACE OF KERB SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
K25	5900258.6005	1768181.0020
K26	5900255.8130	1768182.1109
K27	5900255.2936	1768180.8113
K28	5900255.4613	1768180.4212
K29	5900257.6913	1768179.5341
K30	5900258.0808	1768179.7015
K31	5900255.5253	1768173.2274
K32	5900255.3573	1768173.6970
K33	5900253.1275	1768174.5838
K34	5900252.7377	1768174.4164
K35	5900252.2184	1768173.1158
K36	5900255.0060	1768172.0071

SPEED TABLE SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
T17	5900257.7099	1768178.7733
T18	5900254.9241	1768179.8866
T19	5900256.9677	1768176.9161
T20	5900254.1819	1768178.0294
T21	5900256.6370	1768176.0884
T22	5900253.8512	1768177.2017
T23	5900255.8948	1768174.2312
T24	5900253.1090	1768175.3445

ALL CORNERS TO HAVE 0.3m RADIUS  
UNLESS SPECIFIED OTHERWISE

FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
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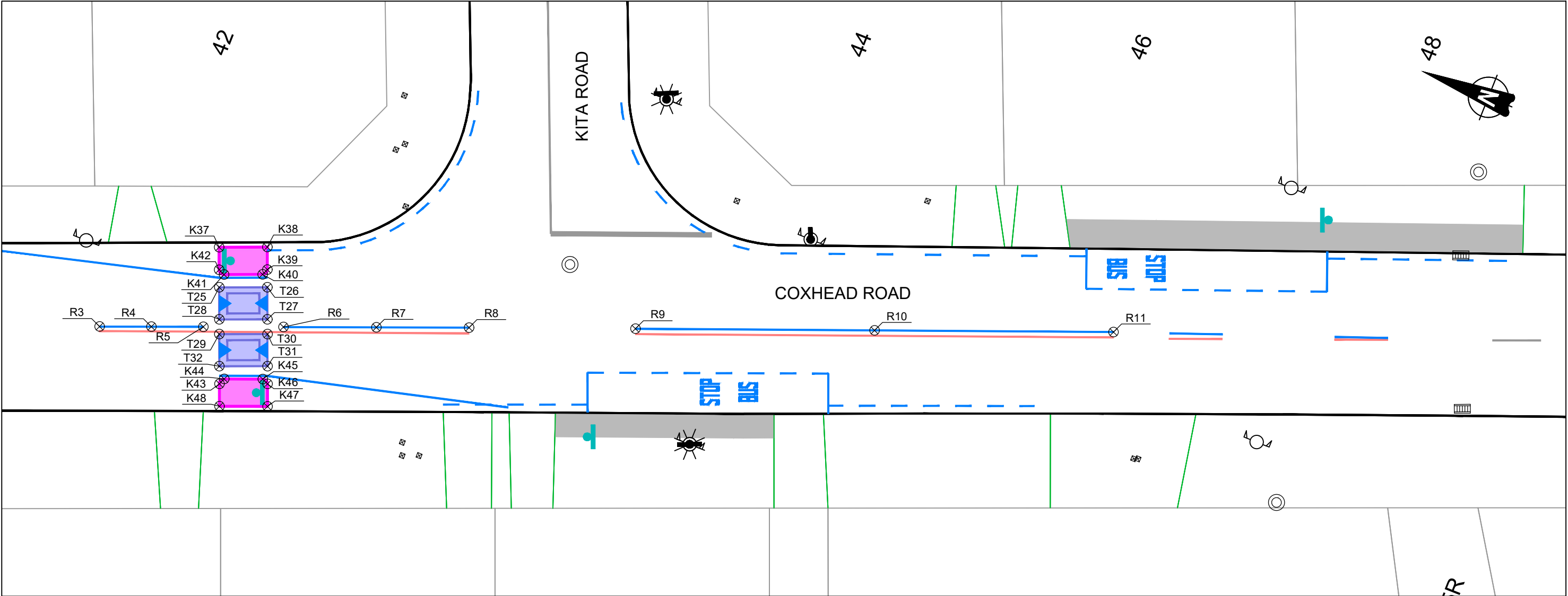
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Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:100 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**

Project **MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD SETOUT PLAN**

Original Size **A3** Project No: **T20115-2** Drawing No: **R3-1002** Rev: **B**





FACE OF KERB SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
K37	5900150.2560	1768224.2426
K38	5900147.4717	1768225.3598
K39	5900146.9521	1768224.0593
K40	5900147.1189	1768223.6696
K41	5900149.3463	1768222.7759
K42	5900149.7366	1768222.9430
K43	5900147.0980	1768216.3401
K44	5900146.9294	1768216.7305
K45	5900144.6965	1768217.6104
K46	5900144.3079	1768217.4426
K47	5900143.7878	1768216.1410
K48	5900146.5790	1768215.0413

ROADMARKING SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
R3	5900155.3526	1768216.8972
R4	5900152.3485	1768218.0818
R5	5900149.3443	1768219.2664
R6	5900144.6928	1768221.1006
R7	5900139.3118	1768223.2225
R8	5900133.9308	1768225.3444
R9	5900124.2724	1768229.1127
R10	5900110.3885	1768234.5195
R11	5900096.5047	1768239.9263

SPEED TABLE SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
T25	5900149.3290	1768221.9231
T26	5900146.5433	1768223.0363
T27	5900145.8011	1768221.1791
T28	5900148.5869	1768220.0659
T29	5900148.2462	1768219.2134
T30	5900145.4604	1768220.3266
T31	5900144.7182	1768218.4694
T32	5900147.5040	1768217.3562

ALL CORNERS TO HAVE 0.3m RADIUS  
UNLESS SPECIFIED OTHERWISE

FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
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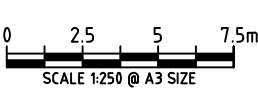
FOR:



BY:

**TRAFFIC  
ENGINEERING  
SOLUTIONS LIMITED**

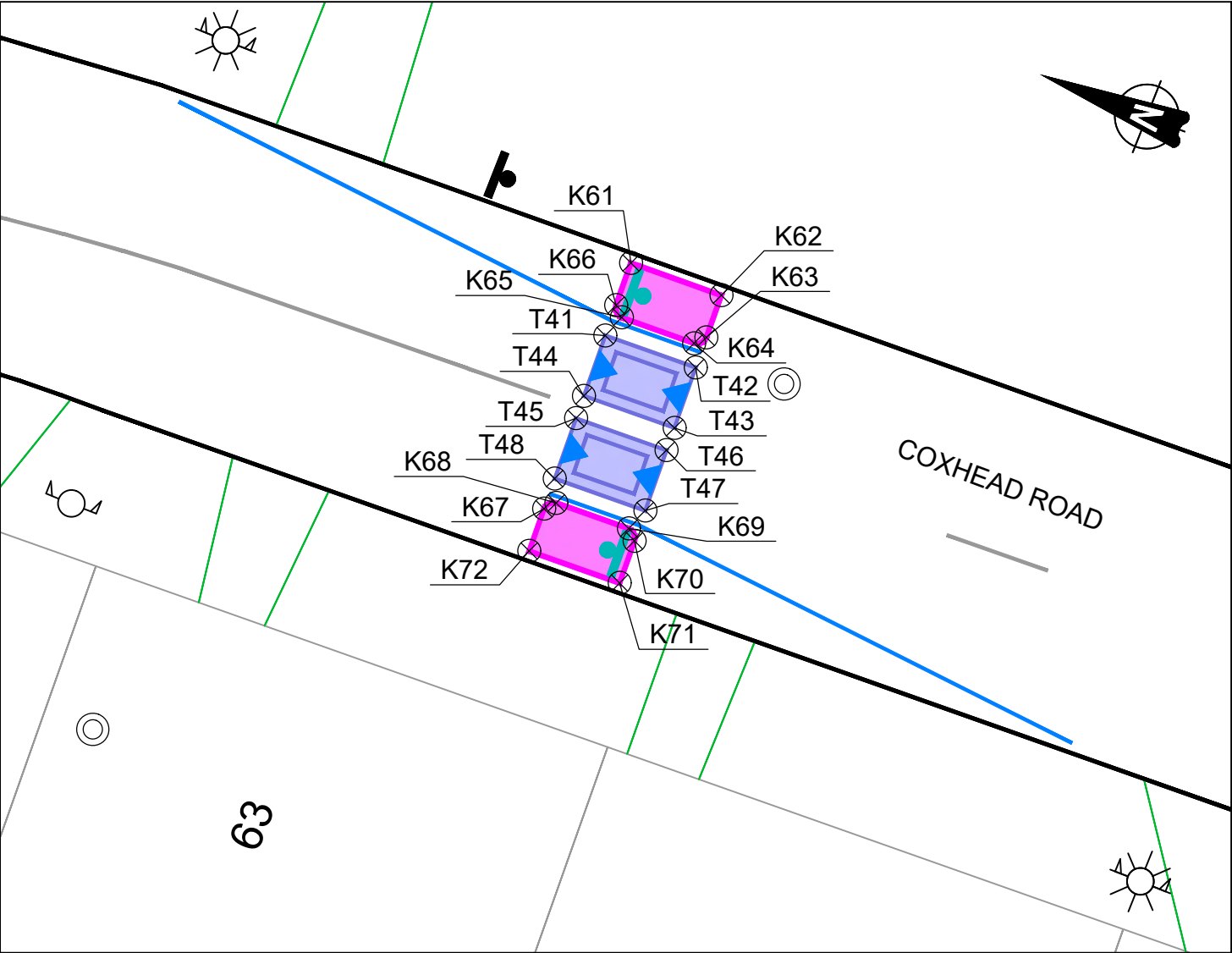
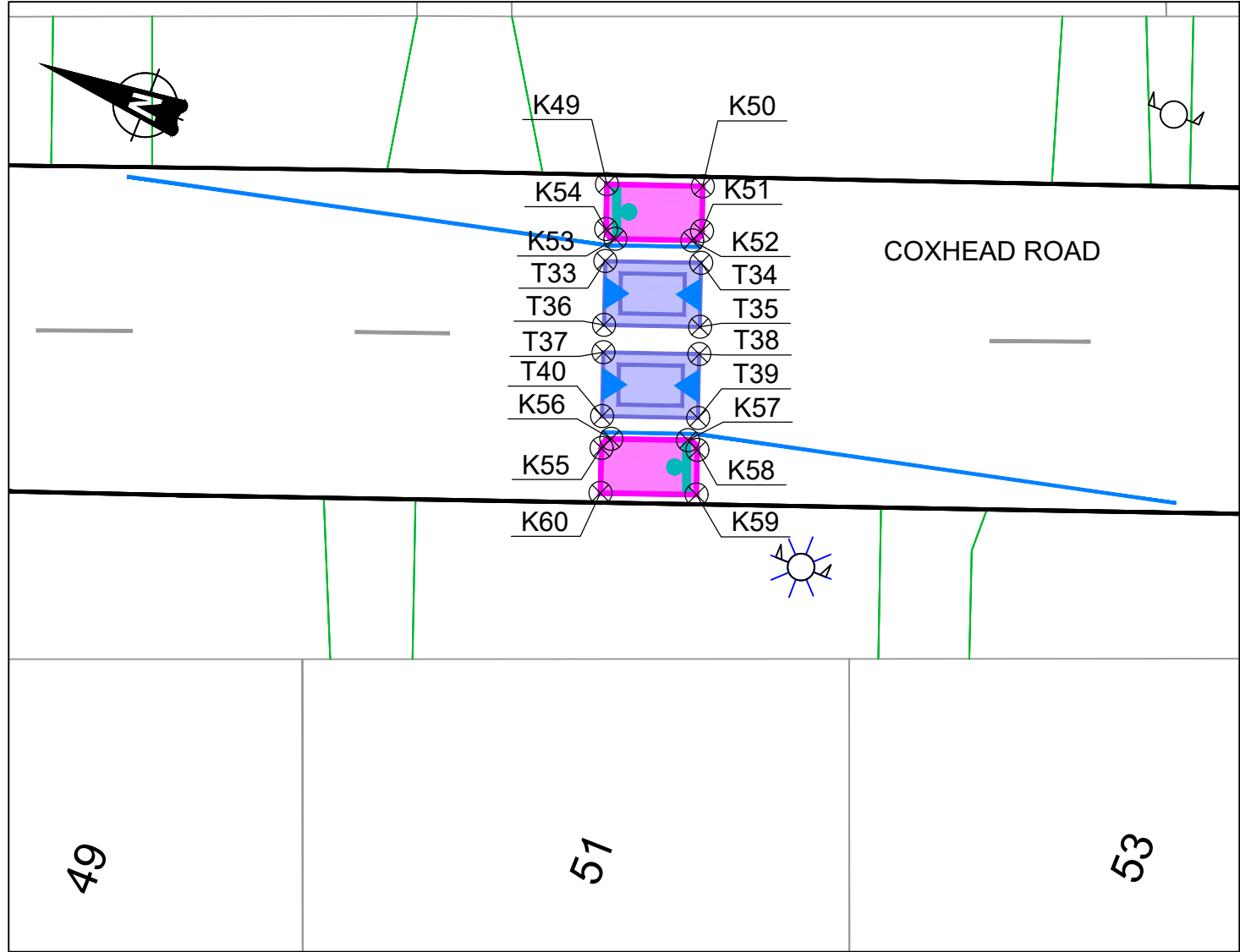
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Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:250 @ A3 SIZE		

Client	AUCKLAND TRANSPORT		
Project	MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD SETOUT PLAN		
Original Size	A3	Project No:	T20115-2
		Drawing No:	R3-1003
		Rev:	B





FACE OF KERB SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
K49	5900031.5390	1768269.9725
K50	5900028.7290	1768271.0232
K51	5900028.2387	1768269.7118
K52	5900028.4146	1768269.3258
K53	5900030.6626	1768268.4852
K54	5900031.0487	1768268.6612
K55	5900028.6474	1768262.2389
K56	5900028.4723	1768262.6246
K57	5900026.2268	1768263.4718
K58	5900025.8399	1768263.2961
K59	5900025.3499	1768261.9856
K60	5900028.1568	1768260.9267

SPEED TABLE SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
T33	5900030.6985	1768267.7245
T34	5900027.8885	1768268.7752
T35	5900027.1880	1768266.9018
T36	5900029.9981	1768265.8512
T37	5900029.6993	1768265.0522
T38	5900026.8893	1768266.1028
T39	5900026.1889	1768264.2295
T40	5900028.9989	1768263.1788

ALL CORNERS TO HAVE 0.3m RADIUS  
UNLESS SPECIFIED OTHERWISE

FACE OF KERB SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
K61	5899920.2608	1768302.8689
K62	5899917.2627	1768302.9756
K63	5899917.2090	1768301.5775
K64	5899917.4981	1768301.2661
K65	5899919.8963	1768301.1808
K66	5899920.2068	1768301.4691
K67	5899919.9465	1768294.7278
K68	5899919.6583	1768295.0391
K69	5899917.2601	1768295.1317
K70	5899916.9488	1768294.8435
K71	5899916.8948	1768293.4445
K72	5899919.8925	1768293.3288

SPEED TABLE SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
T41	5899920.1680	1768300.4662
T42	5899917.1703	1768300.5819
T43	5899917.0931	1768298.5834
T44	5899920.0909	1768298.4677
T45	5899920.0622	1768297.7256
T46	5899917.0645	1768297.8413
T47	5899916.9873	1768295.8428
T48	5899919.9851	1768295.7270

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FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
No	Revision	Note: * Indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved

FOR:



BY:



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ENGINEERING  
SOLUTIONS LIMITED**

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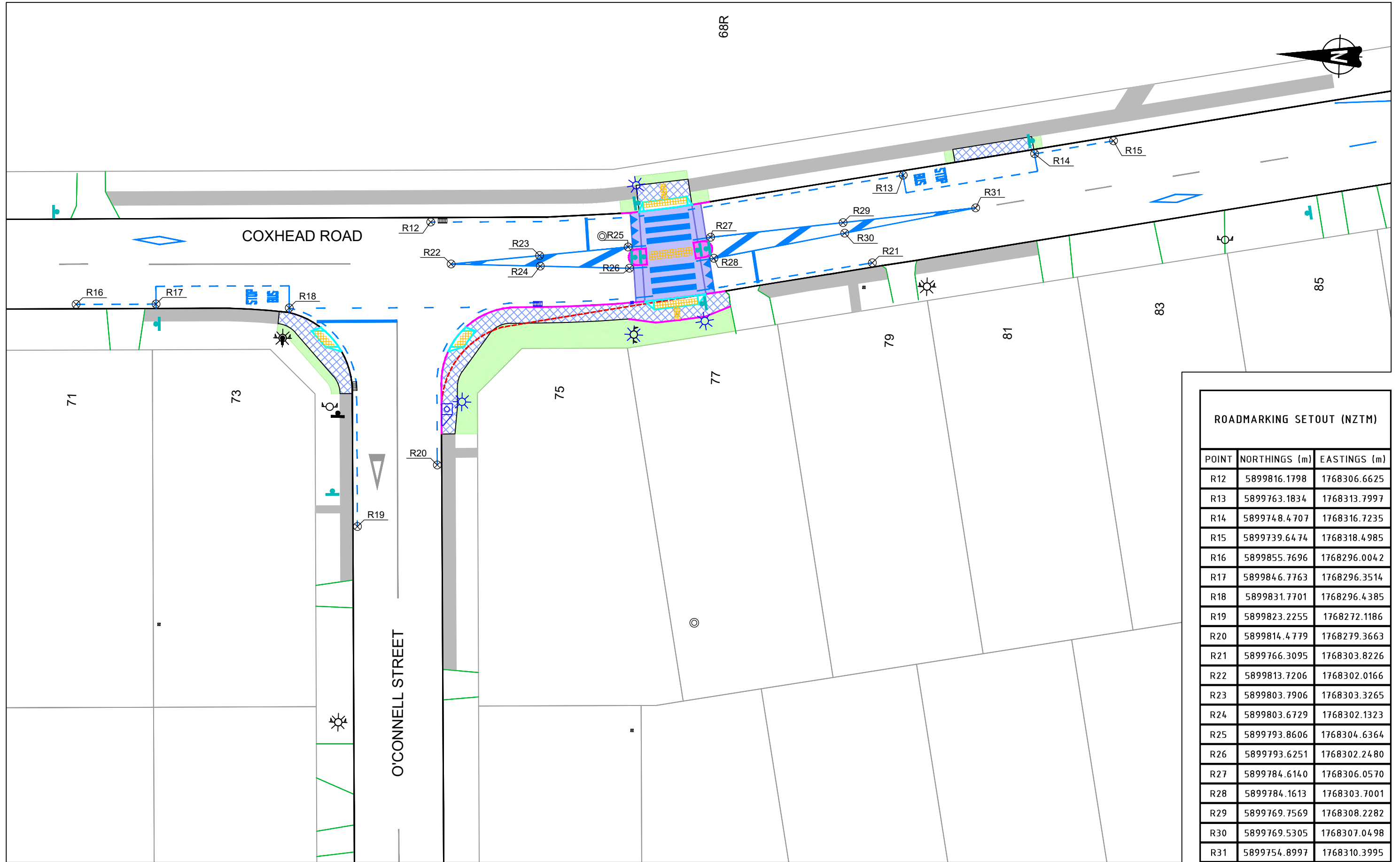
Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:200 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**

Project **MANUREWA RSM COXHEAD QUADRANT  
COXHEAD ROAD  
SETOUT PLAN**

Original Size **A3** Project No: **T20115-2** Drawing No: **R3-1004** Rev: **B**





ROADMARKING SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
R12	5899816.1798	1768306.6625
R13	5899763.1834	1768313.7997
R14	5899748.4707	1768316.7235
R15	5899739.6474	1768318.4985
R16	5899855.7696	1768296.0042
R17	5899846.7763	1768296.3514
R18	5899831.7701	1768296.4385
R19	5899823.2255	1768272.1186
R20	5899814.4779	1768279.3663
R21	5899766.3095	1768303.8226
R22	5899813.7206	1768302.0166
R23	5899803.7906	1768303.3265
R24	5899803.6729	1768302.1323
R25	5899793.8606	1768304.6364
R26	5899793.6251	1768302.2480
R27	5899784.6140	1768306.0570
R28	5899784.1613	1768303.7001
R29	5899769.7569	1768308.2282
R30	5899769.5305	1768307.0498
R31	5899754.8997	1768310.3995

FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
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					Date

FOR:




BY:



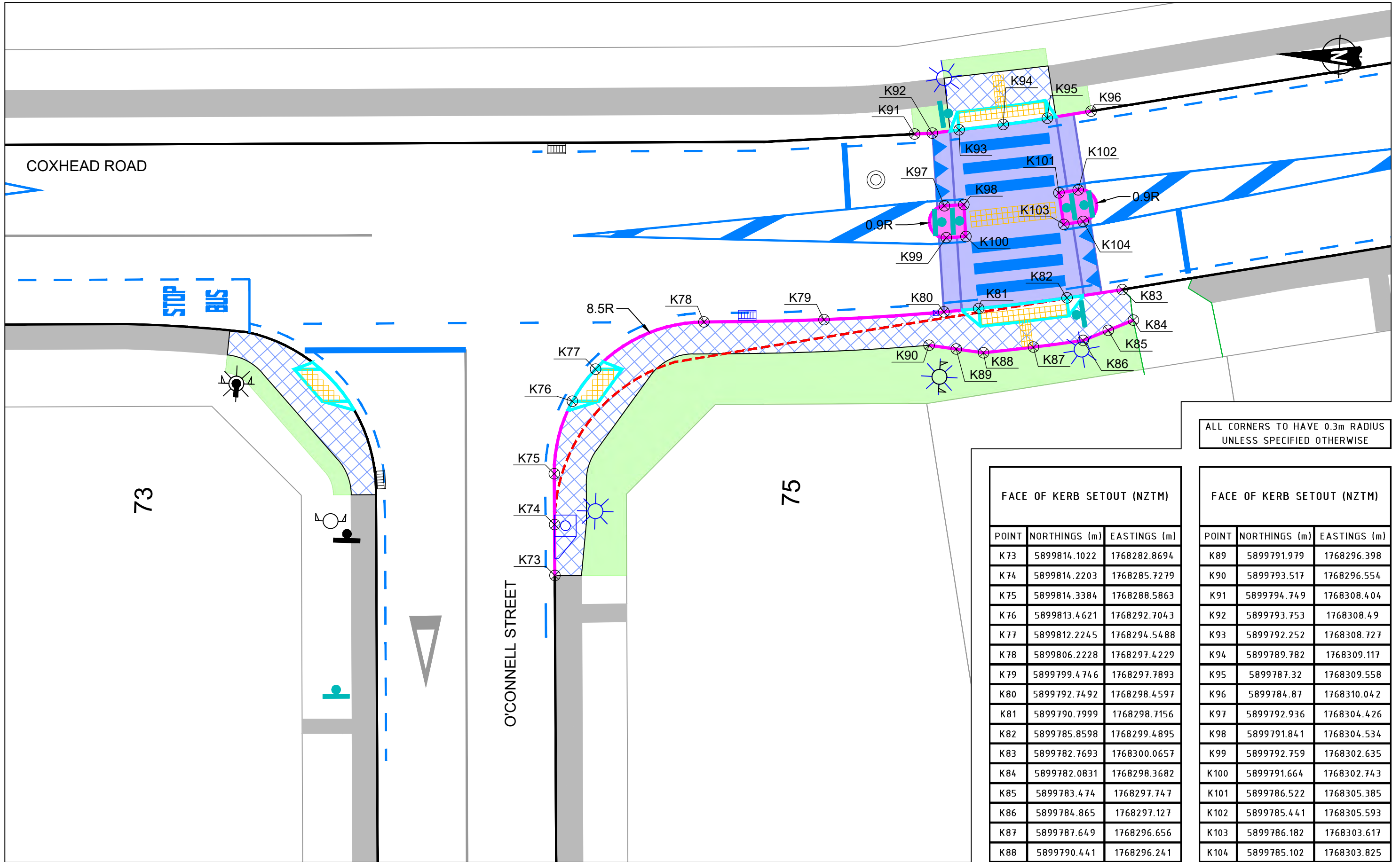
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 Traffic Engineering Solutions Limited  
 PO Box 7237, Wellesley Street, Auckland 1036  
 P: 0800 837 583, E: info@tes.net.nz



Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:400 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**  
 Project **MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD SETOUT PLAN**  
 Original Size **A3** Project No: **T20115-2** Drawing No: **R3-1005** Rev: **B**





ALL CORNERS TO HAVE 0.3m RADIUS  
UNLESS SPECIFIED OTHERWISE

FACE OF KERB SETOUT (NZTM)

POINT	NORTHINGS (m)	EASTINGS (m)
K 73	5899814.1022	1768282.8694
K 74	5899814.2203	1768285.7279
K 75	5899814.3384	1768288.5863
K 76	5899813.4621	1768292.7043
K 77	5899812.2245	1768294.5488
K 78	5899806.2228	1768297.4229
K 79	5899799.4746	1768297.7893
K 80	5899792.7492	1768298.4597
K 81	5899790.7999	1768298.7156
K 82	5899785.8598	1768299.4895
K 83	5899782.7693	1768300.0657
K 84	5899782.0831	1768298.3682
K 85	5899783.474	1768297.747
K 86	5899784.865	1768297.127
K 87	5899787.649	1768296.656
K 88	5899790.441	1768296.241

FACE OF KERB SETOUT (NZTM)

POINT	NORTHINGS (m)	EASTINGS (m)
K 89	5899791.979	1768296.398
K 90	5899793.517	1768296.554
K 91	5899794.749	1768308.404
K 92	5899793.753	1768308.49
K 93	5899792.252	1768308.727
K 94	5899789.782	1768309.117
K 95	5899787.32	1768309.558
K 96	5899784.87	1768310.042
K 97	5899792.936	1768304.426
K 98	5899791.841	1768304.534
K 99	5899792.759	1768302.635
K 100	5899791.664	1768302.743
K 101	5899786.522	1768305.385
K 102	5899785.441	1768305.593
K 103	5899786.182	1768303.617
K 104	5899785.102	1768303.825

FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved
					Date

FOR:



BY:



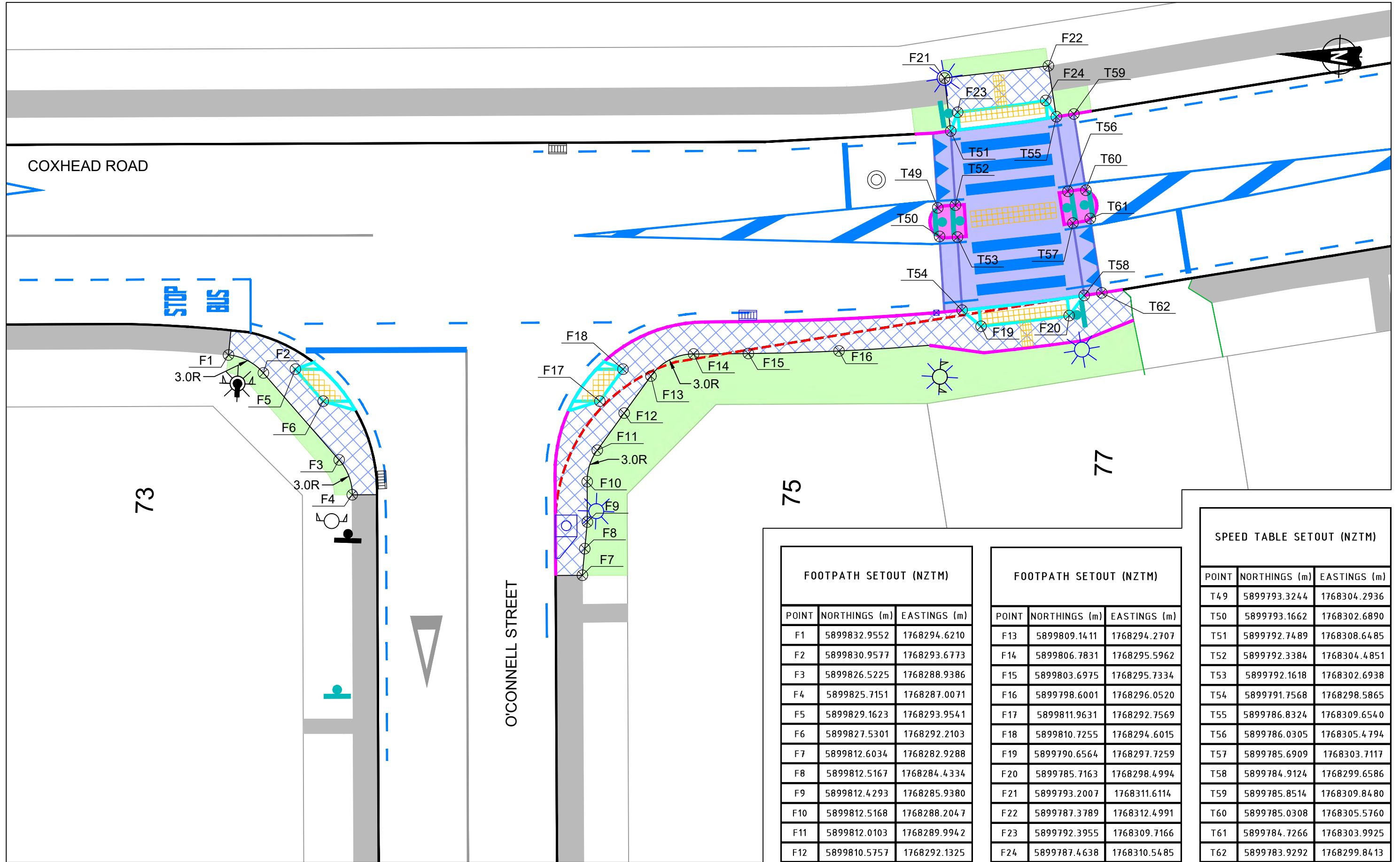
Traffic Engineering Solutions Limited  
PO Box 7237, Wellesley Street, Auckland 1036  
P: 0800 837 583, E: info@tes.net.nz



Drawn	SL	Designed	SL
Drafting	SC	Design	SC
Check		Check	
Approved			
Date	28/01/2022		
Scale	1:200 @ A3 SIZE		

Client	AUCKLAND TRANSPORT		
Project	MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD SETOUT PLAN		
Original Size	A3		
Project No:	T20115-2	Drawing No:	R3-1005A Rev: B





FOOTPATH SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
F1	5899832.9552	1768294.6210
F2	5899830.9577	1768293.6773
F3	5899826.5225	1768288.9386
F4	5899825.7151	1768287.0071
F5	5899829.1623	1768293.9541
F6	5899827.5301	1768292.2103
F7	5899812.6034	1768282.9288
F8	5899812.5167	1768284.4334
F9	5899812.4293	1768285.9380
F10	5899812.5168	1768288.2047
F11	5899812.0103	1768289.9942
F12	5899810.5757	1768292.1325

FOOTPATH SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
F13	5899809.1411	1768294.2707
F14	5899806.7831	1768295.5962
F15	5899803.6975	1768295.7334
F16	5899798.6001	1768296.0520
F17	5899811.9631	1768292.7569
F18	5899810.7255	1768294.6015
F19	5899790.6564	1768297.7259
F20	5899785.7163	1768298.4994
F21	5899793.2007	1768311.6114
F22	5899787.3789	1768312.4991
F23	5899792.3955	1768309.7166
F24	5899787.4638	1768310.5485

SPEED TABLE SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
T49	5899793.3244	1768304.2936
T50	5899793.1662	1768302.6890
T51	5899792.7489	1768308.6485
T52	5899792.3384	1768304.4851
T53	5899792.1618	1768302.6938
T54	5899791.7568	1768298.5865
T55	5899786.8324	1768309.6540
T56	5899786.0305	1768305.4794
T57	5899785.6909	1768303.7117
T58	5899784.9124	1768299.6586
T59	5899785.8514	1768309.8480
T60	5899785.0308	1768305.5760
T61	5899784.7266	1768303.9925
T62	5899783.9292	1768299.8413

FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22		
A	FIRST ISSUE	SL	SC	SC	12/21		
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing		Drawn	Checked	Approved	Date



BY: **TRAFFIC ENGINEERING SOLUTIONS LIMITED**  
Traffic Engineering Solutions Limited  
PO Box 7237, Wellesley Street, Auckland 1036  
P: 0800 837 583, E: info@tes.net.nz



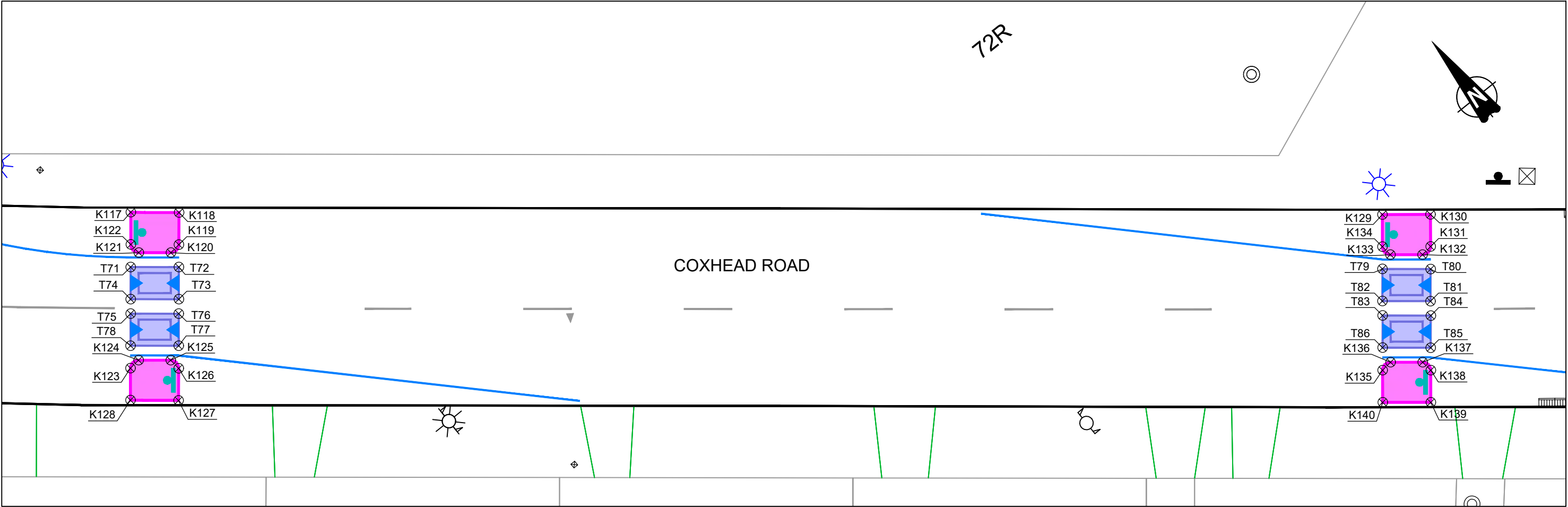
Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:200 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**  
Project **MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD SETOUT PLAN**  
Original Size **A3** Project No: **T20115-2** Drawing No: **R3-1005B** Rev: **B**









FACE OF KERB SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
K117	5899611.4934	1768368.5784
K118	5899609.5958	1768370.9021
K119	5899608.0397	1768369.6456
K120	5899607.9648	1768368.9425
K121	5899609.2212	1768367.3864
K122	5899609.9243	1768367.3115
K123	5899603.9334	1768362.4743
K124	5899604.0083	1768363.1774
K125	5899602.7519	1768364.7335
K126	5899602.0488	1768364.8084
K127	5899600.4927	1768363.5520
K128	5899602.3883	1768361.2267

SPEED TABLE SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
T71	5899608.8351	1768366.4320
T72	5899606.9505	1768368.7661
T73	5899605.3944	1768367.5097
T74	5899607.2790	1768365.1756
T75	5899606.5788	1768364.6102
T76	5899604.6941	1768366.9443
T77	5899603.1381	1768365.6879
T78	5899605.0227	1768363.3538

FACE OF KERB SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
K129	5899562.5056	1768429.2801
K130	5899560.6295	1768431.6211
K131	5899559.0688	1768430.3704
K132	5899558.9913	1768429.6675
K133	5899560.2420	1768428.1069
K134	5899560.9449	1768428.0294
K135	5899554.9363	1768423.2141
K136	5899555.0138	1768423.9169
K137	5899553.7631	1768425.4776
K138	5899553.0602	1768425.5551
K139	5899551.4996	1768424.3044
K140	5899553.3756	1768421.9634

SPEED TABLE SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
T79	5899559.8610	1768427.1608
T80	5899557.9763	1768429.4949
T81	5899556.4203	1768428.2385
T82	5899558.3049	1768425.9043
T83	5899557.5934	1768425.3529
T84	5899555.7088	1768427.6870
T85	5899554.1527	1768426.4306
T86	5899556.0373	1768424.0965

ALL CORNERS TO HAVE 0.3m RADIUS  
UNLESS SPECIFIED OTHERWISE

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UNLESS SPECIFIED OTHERWISE

FOR CONSTRUCTION

FOR:



BY:



**TRAFFIC  
ENGINEERING  
SOLUTIONS LIMITED**

Traffic Engineering Solutions Limited  
PO Box 7237, Wellesley Street, Auckland 1036  
P: 0800 837 583, E: info@tes.net.nz

02.557.5

SCALE 1:250 @ A3 SIZE

Drawn	SL	Designed	SL
Drafting	SC	Design	SC
Check		Check	
Approved			
Date	28/01/2022		
Scale	1:250 @ A3 SIZE		

Client

Project

Original Size

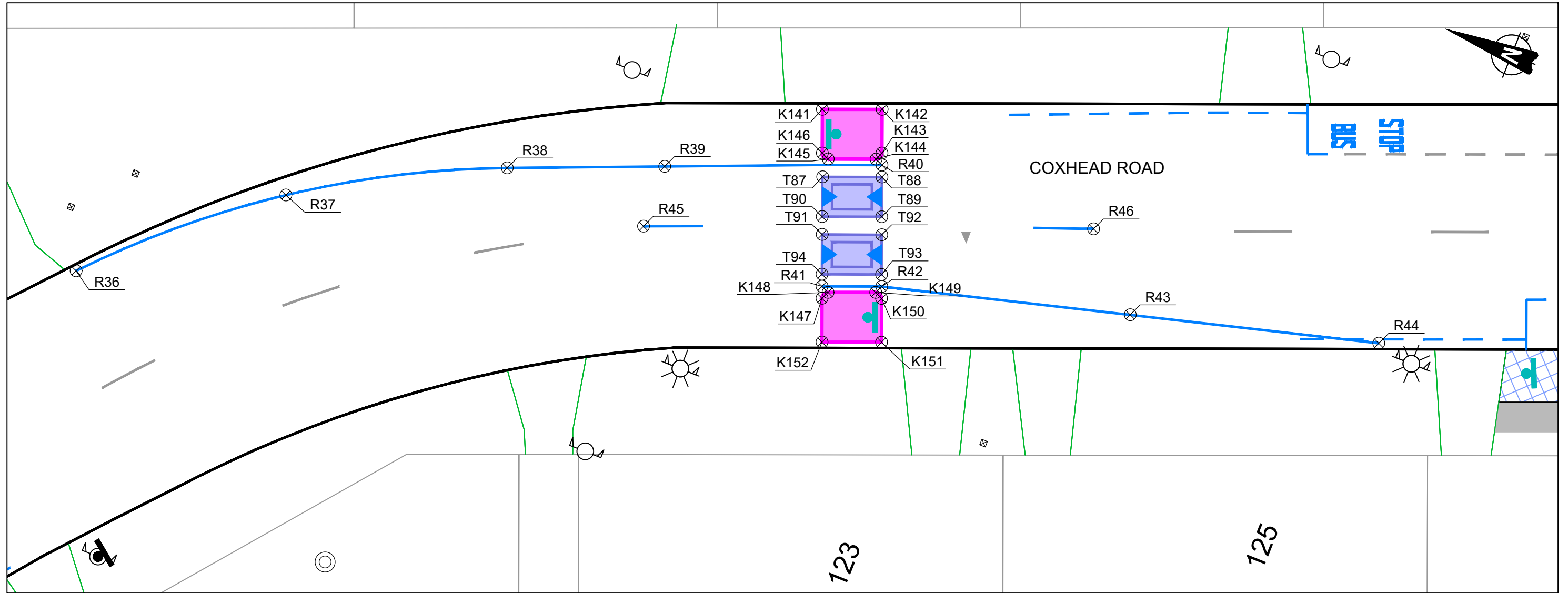
**AUCKLAND TRANSPORT**  
**MANUREWA RSM COXHEAD QUADRANT**  
**COXHEAD ROAD**  
**SETOUT PLAN**

**A3** Project No: **T20115-2** Drawing No: **R3-1007** Rev: **B**

Plot Date: 28 January 2022 - 5:15 pm

Cad File No: G:\Traffic Projects\T20 Projects\T20115 DD Manurewa RSM - Coxhead Quadrant\AutoCAD\AutoCAD Files\Manurewa 1000-1300.dwg





FACE OF KERB SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
K141	5899506.4340	1768480.3221
K142	5899503.6439	1768481.4247
K143	5899502.8354	1768479.3787
K144	5899503.0041	1768478.9894
K145	5899505.2361	1768478.1074
K146	5899505.6254	1768478.2761
K147	5899502.9425	1768471.4870
K148	5899502.7737	1768471.8763
K149	5899500.5417	1768472.7583
K150	5899500.1524	1768472.5896
K151	5899499.3439	1768470.5436
K152	5899502.1339	1768469.4410

ROADMARKING SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
R36	5899538.3050	1768458.9078
R37	5899529.9106	1768466.3461
R38	5899520.0693	1768471.7262
R39	5899512.7371	1768474.7222
R40	5899502.6148	1768478.8207
R41	5899503.1630	1768472.0450
R42	5899500.3729	1768473.1476
R43	5899488.2332	1768476.4396
R44	5899476.0935	1768479.7317
R45	5899512.6217	1768471.5325
R46	5899491.5448	1768479.7727

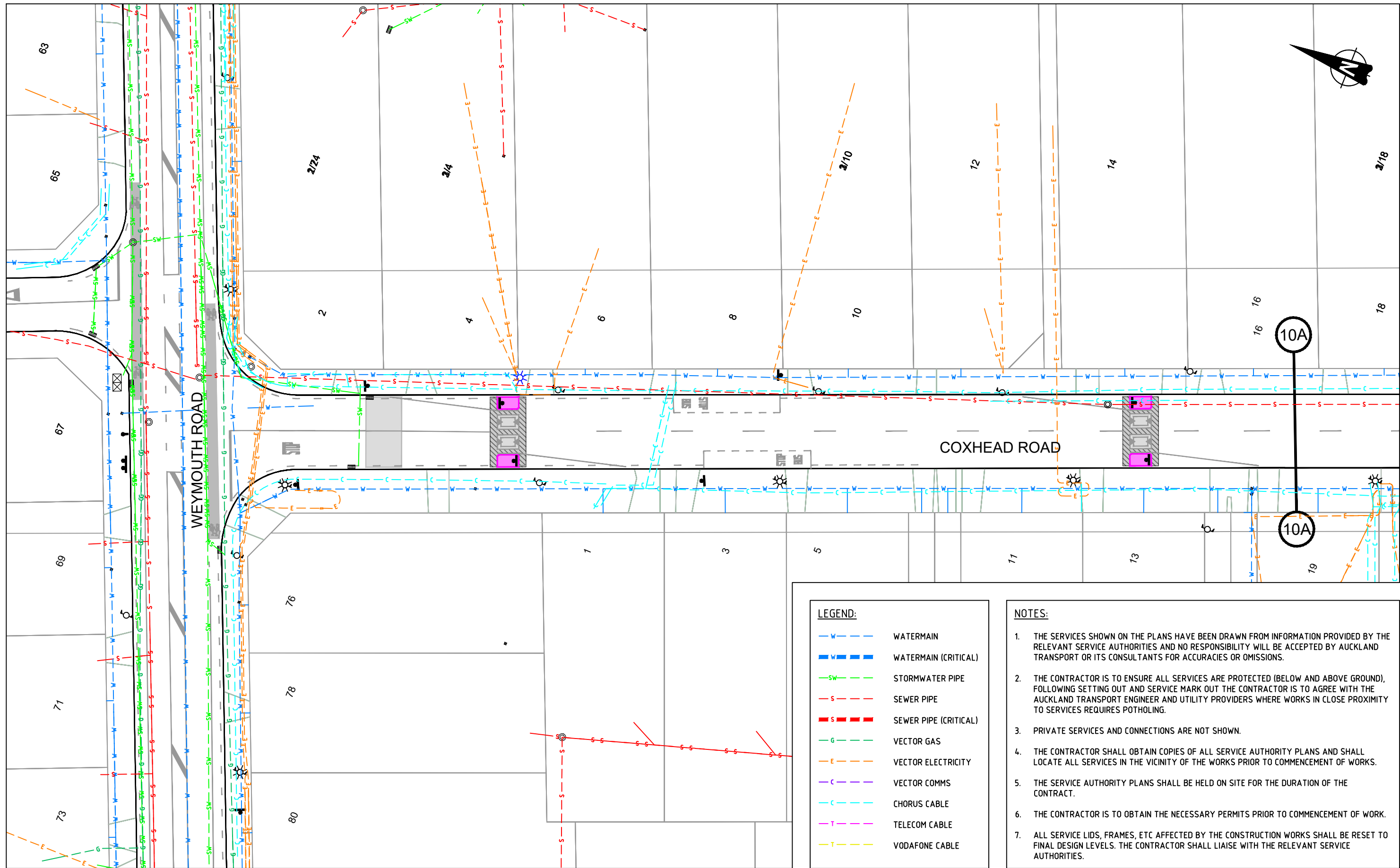
SPEED TABLE SETOUT (NZTM)		
POINT	NORTHINGS (m)	EASTINGS (m)
T87	5899505.1691	1768477.1736
T88	5899502.3943	1768478.2627
T89	5899501.6636	1768476.4009
T90	5899504.4562	1768475.3048
T91	5899504.1211	1768474.4695
T92	5899501.3285	1768475.5656
T93	5899500.5978	1768473.7039
T94	5899503.3903	1768472.6078

ALL CORNERS TO HAVE 0.3m RADIUS  
UNLESS SPECIFIED OTHERWISE

FOR CONSTRUCTION

								FOR:		 		BY:		 <b>TRAFFIC ENGINEERING SOLUTIONS LIMITED</b>		 SCALE 1:200 @ A3 SIZE		<table><tr><td>Drawn</td><td>SL</td><td>Designed</td><td>SL</td></tr><tr><td>Drafting Check</td><td>SC</td><td>Design Check</td><td>SC</td></tr><tr><td colspan="4">Approved</td></tr><tr><td>Date</td><td colspan="3">28/01/2022</td></tr><tr><td>Scale</td><td colspan="3">1:200 @ A3 SIZE</td></tr></table>		Drawn	SL	Designed	SL	Drafting Check	SC	Design Check	SC	Approved				Date	28/01/2022			Scale	1:200 @ A3 SIZE			<table><tr><td>Client</td><td rowspan="4"><b>AUCKLAND TRANSPORT</b> <b>MANUREWA RSM COXHEAD QUADRANT</b> <b>COXHEAD ROAD</b> <b>SETOUT PLAN</b></td></tr><tr><td>Project</td></tr><tr><td>Original Size</td></tr><tr><td>A3</td></tr></table>		Client	<b>AUCKLAND TRANSPORT</b> <b>MANUREWA RSM COXHEAD QUADRANT</b> <b>COXHEAD ROAD</b> <b>SETOUT PLAN</b>	Project	Original Size	A3
Drawn	SL	Designed	SL																																											
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No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing				Drawn	Checked	Approved	Date									Project No: <b>T20115-2</b> Drawing No: <b>R3-1008</b> Rev: <b>B</b>																												





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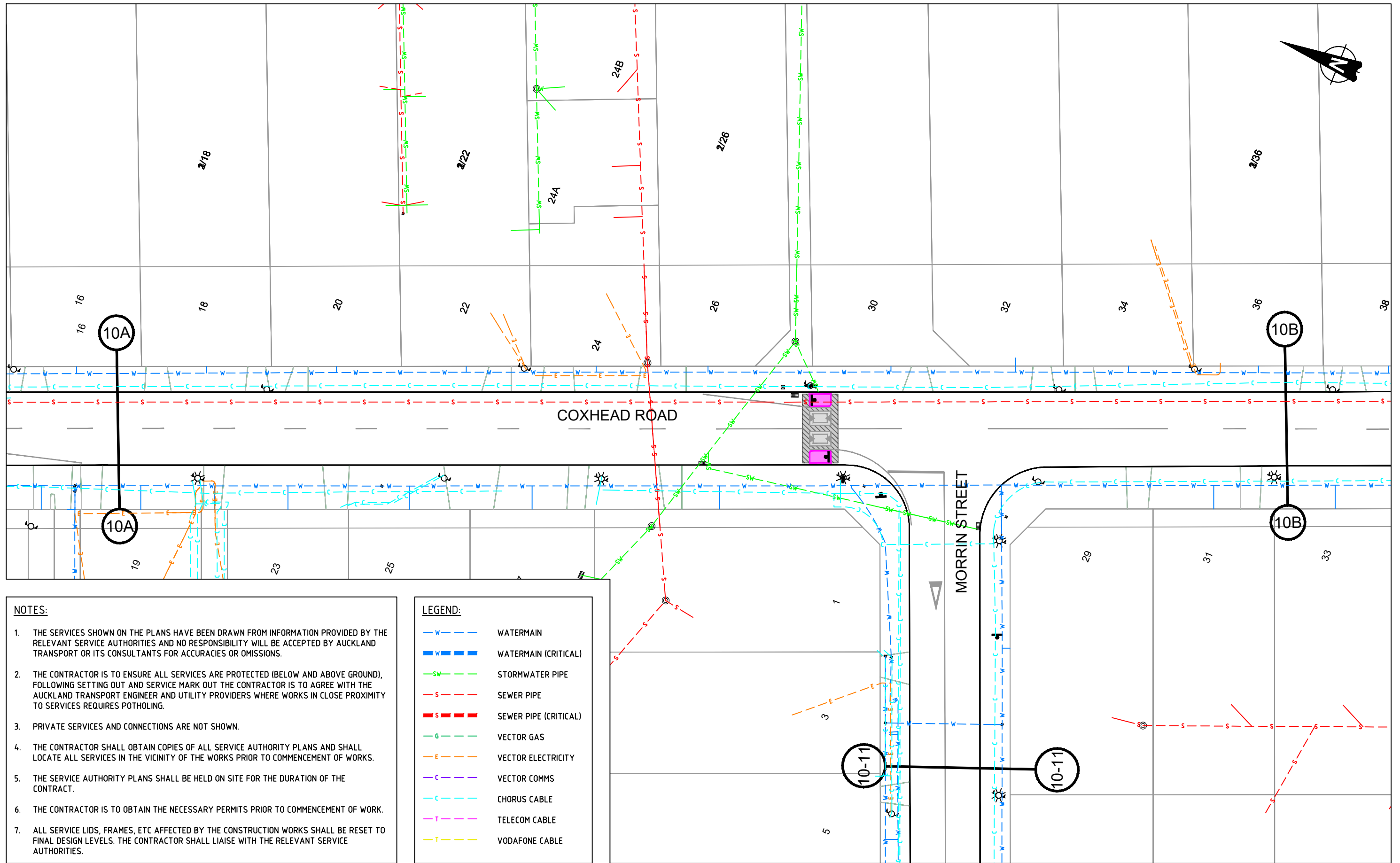
B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved
					Date



Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client	AUCKLAND TRANSPORT
Project	MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD UTILITY SERVICES PLAN
Original Size	A3
Project No:	T20115-2
Drawing No:	I-1001
Rev:	B





- NOTES:**
1. THE SERVICES SHOWN ON THE PLANS HAVE BEEN DRAWN FROM INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES AND NO RESPONSIBILITY WILL BE ACCEPTED BY AUCKLAND TRANSPORT OR ITS CONSULTANTS FOR ACCURACIES OR OMISSIONS.
  2. THE CONTRACTOR IS TO ENSURE ALL SERVICES ARE PROTECTED (BELOW AND ABOVE GROUND), FOLLOWING SETTING OUT AND SERVICE MARK OUT THE CONTRACTOR IS TO AGREE WITH THE AUCKLAND TRANSPORT ENGINEER AND UTILITY PROVIDERS WHERE WORKS IN CLOSE PROXIMITY TO SERVICES REQUIRES POTHOLING.
  3. PRIVATE SERVICES AND CONNECTIONS ARE NOT SHOWN.
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  5. THE SERVICE AUTHORITY PLANS SHALL BE HELD ON SITE FOR THE DURATION OF THE CONTRACT.
  6. THE CONTRACTOR IS TO OBTAIN THE NECESSARY PERMITS PRIOR TO COMMENCEMENT OF WORK.
  7. ALL SERVICE LIDS, FRAMES, ETC AFFECTED BY THE CONSTRUCTION WORKS SHALL BE RESET TO FINAL DESIGN LEVELS. THE CONTRACTOR SHALL LIAISE WITH THE RELEVANT SERVICE AUTHORITIES.

- LEGEND:**
- W WATERMAIN
  - W WATERMAIN (CRITICAL)
  - SW STORMWATER PIPE
  - S SEWER PIPE
  - S SEWER PIPE (CRITICAL)
  - G VECTOR GAS
  - E VECTOR ELECTRICITY
  - C VECTOR COMMS
  - C CHORUS CABLE
  - T TELECOM CABLE
  - T VODAFONE CABLE

FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved

FOR:

**Auckland Transport**  
An Auckland Council Organisation

**AT**

BY:

**TRAFFIC ENGINEERING SOLUTIONS LIMITED**

Traffic Engineering Solutions Limited  
PO Box 7237, Wellesley Street, Auckland 1036  
P: 0800 837 583, E: info@tes.net.nz



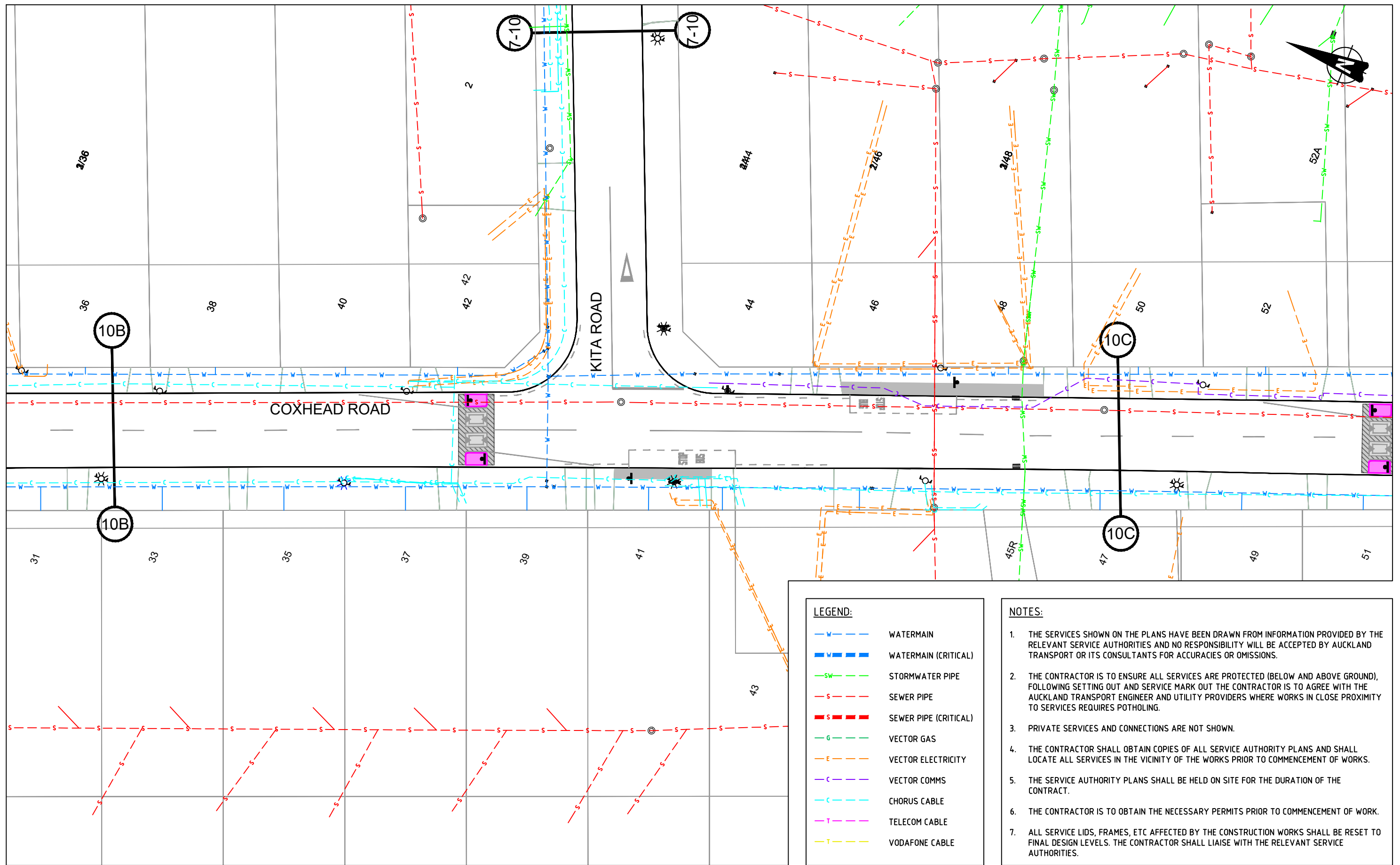
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Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**

Project **MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD UTILITY SERVICES PLAN**

Original Size **A3** Project No: **T20115-2** Drawing No: **I-1002** Rev: **B**





FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
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					Date

FOR:



BY:



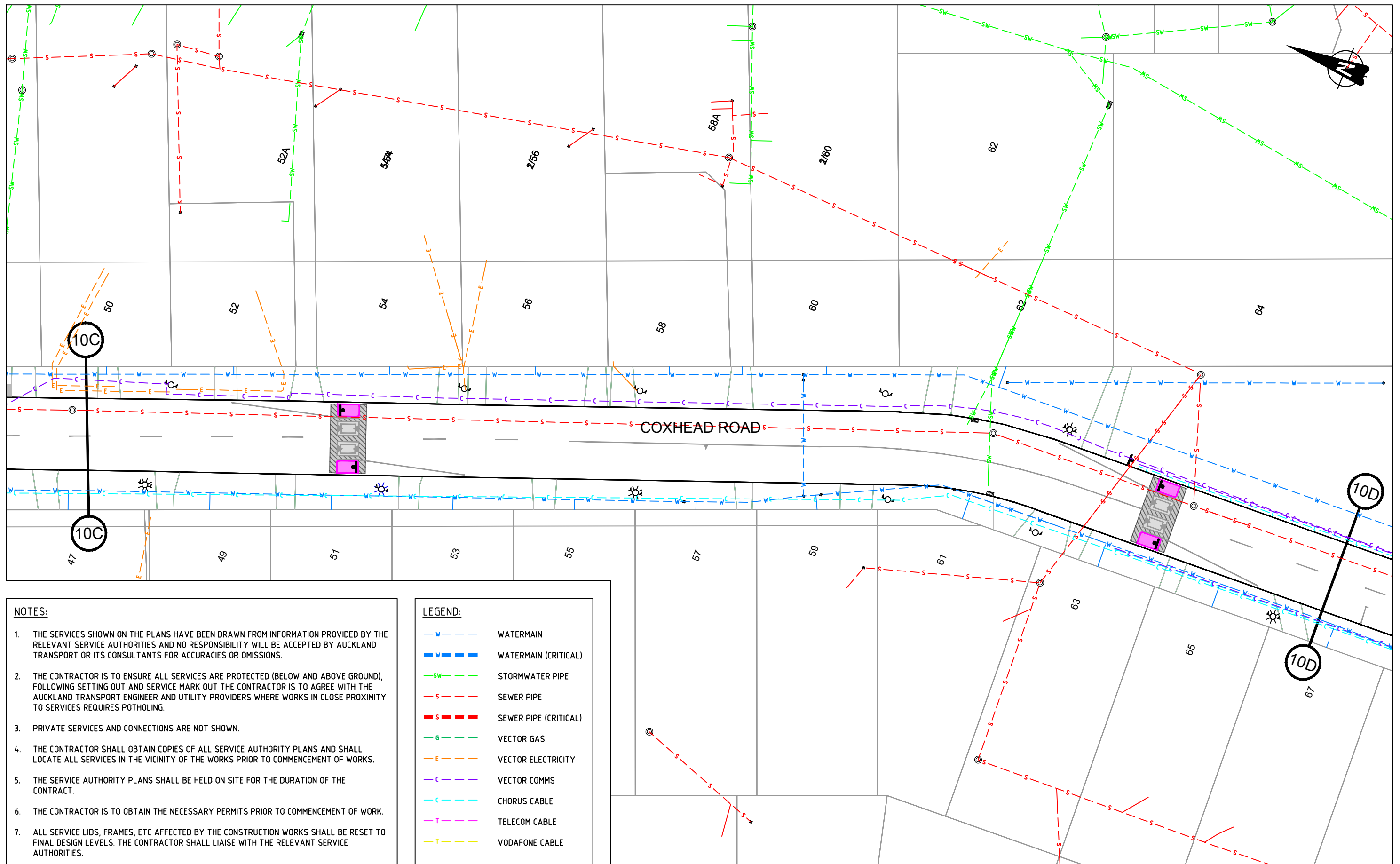
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PO Box 7237, Wellesley Street, Auckland 1036  
P: 0800 837 583, E: info@tes.net.nz



Drawn	SL	Designed	SL
Drafting	SC	Design	SC
Check		Check	
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client	AUCKLAND TRANSPORT
Project	MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD UTILITY SERVICES PLAN
Original Size	A3
Project No:	T20115-2
Drawing No:	I-1003
Rev:	B





#### NOTES:

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#### LEGEND:

- |    |                       |
|----|-----------------------|
| W  | WATERMAIN             |
| W  | WATERMAIN (CRITICAL)  |
| SW | STORMWATER PIPE       |
| S  | SEWER PIPE            |
| S  | SEWER PIPE (CRITICAL) |
| G  | VECTOR GAS            |
| E  | VECTOR ELECTRICITY    |
| C  | VECTOR COMMS          |
| C  | CHORUS CABLE          |
| T  | TELECOM CABLE         |
| T  | VODAFONE CABLE        |

FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing			
		Drawn	Checked	Approved	Date

FOR:



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Drawn	SL	Designed	SL
Drafting	SC	Design	SC
Check		Check	
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client	AUCKLAND TRANSPORT		
Project	MANUREWA RSM COXHEAD QUADRANT		
	COXHEAD ROAD		
	UTILITY SERVICES PLAN		
Original Size	A3	Project No:	T20115-2
Drawing No:	I-1004	Rev:	B

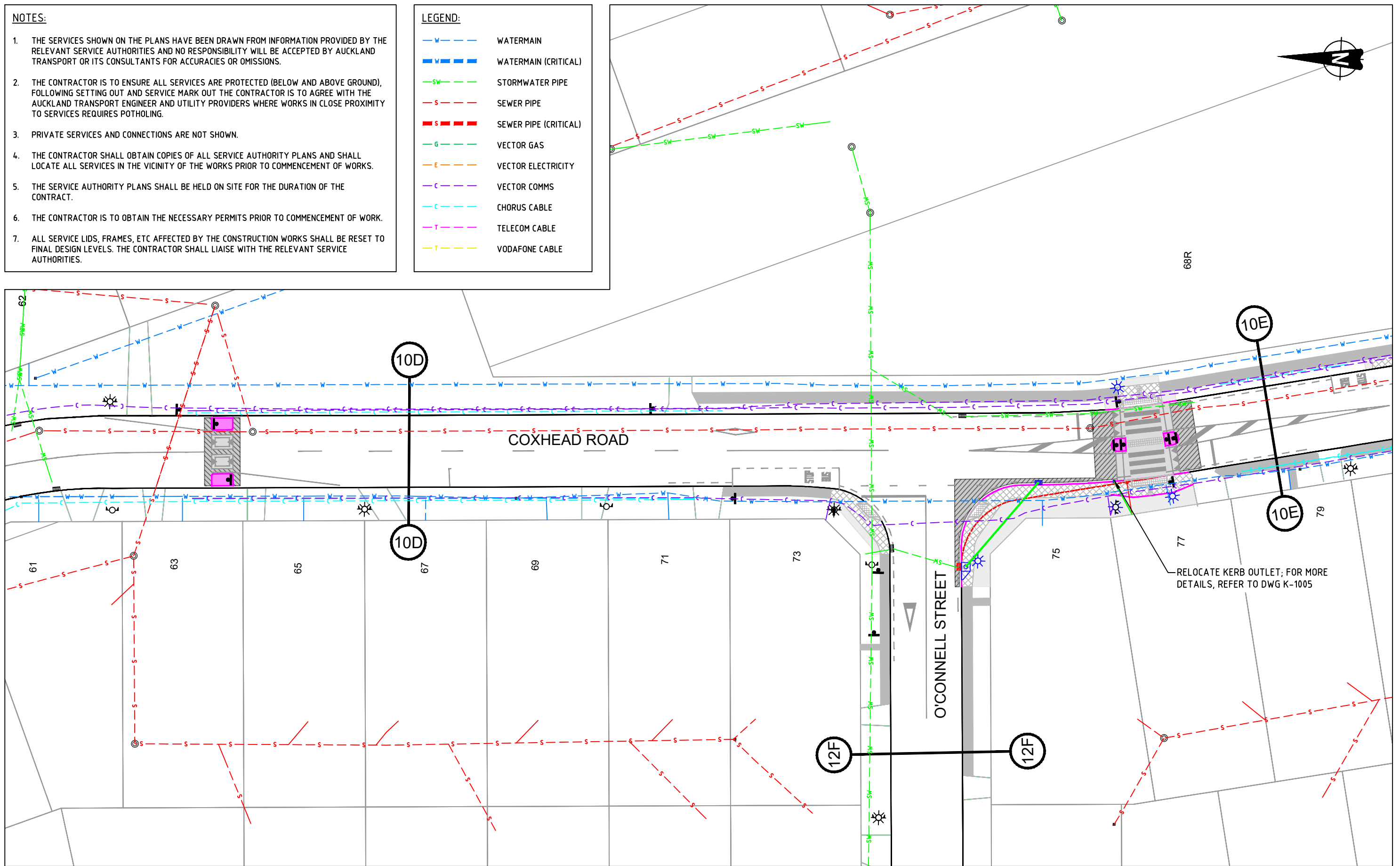


NOTES:

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LEGEND:

- W WATERMAIN
- W WATERMAIN (CRITICAL)
- SW STORMWATER PIPE
- S SEWER PIPE
- S SEWER PIPE (CRITICAL)
- G VECTOR GAS
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FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
A	FIRST ISSUE	SL	SC	SC	12/21
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved

FOR:



BY:



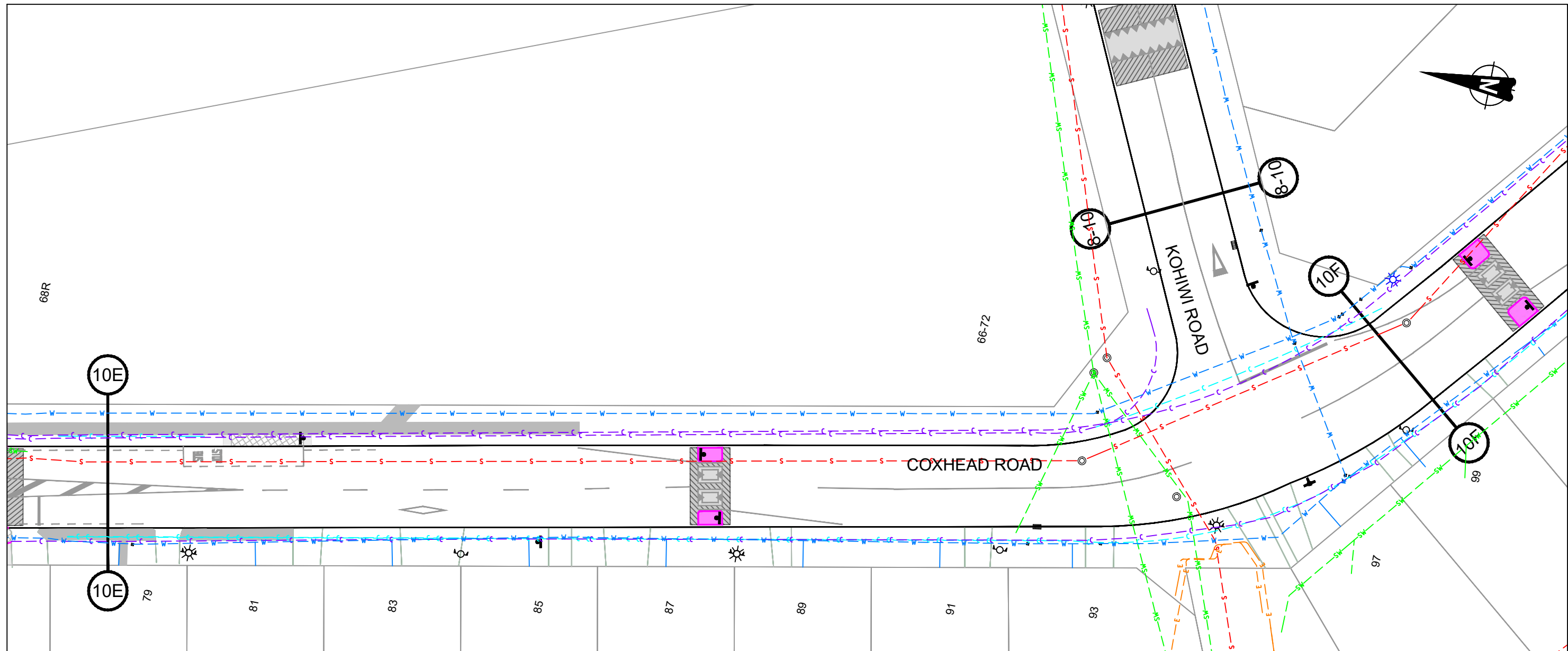
Traffic Engineering Solutions Limited  
PO Box 7237, Wellesley Street, Auckland 1036  
P: 0800 837 583, E: info@tes.net.nz



Drawn	SL	Designed	SL
Drafting	SC	Design	SC
Check		Check	
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client	AUCKLAND TRANSPORT
Project	MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD UTILITY SERVICES PLAN
Original Size	A3
Project No:	T20115-2
Drawing No:	I-1005
Rev:	B





LEGEND:	
	WATERMAIN
	WATERMAIN (CRITICAL)
	STORMWATER PIPE
	SEWER PIPE
	SEWER PIPE (CRITICAL)
	VECTOR GAS
	VECTOR ELECTRICITY
	VECTOR COMMS
	CHORUS CABLE
	TELECOM CABLE
	VODAFONE CABLE

- NOTES:**
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**FOR CONSTRUCTION**

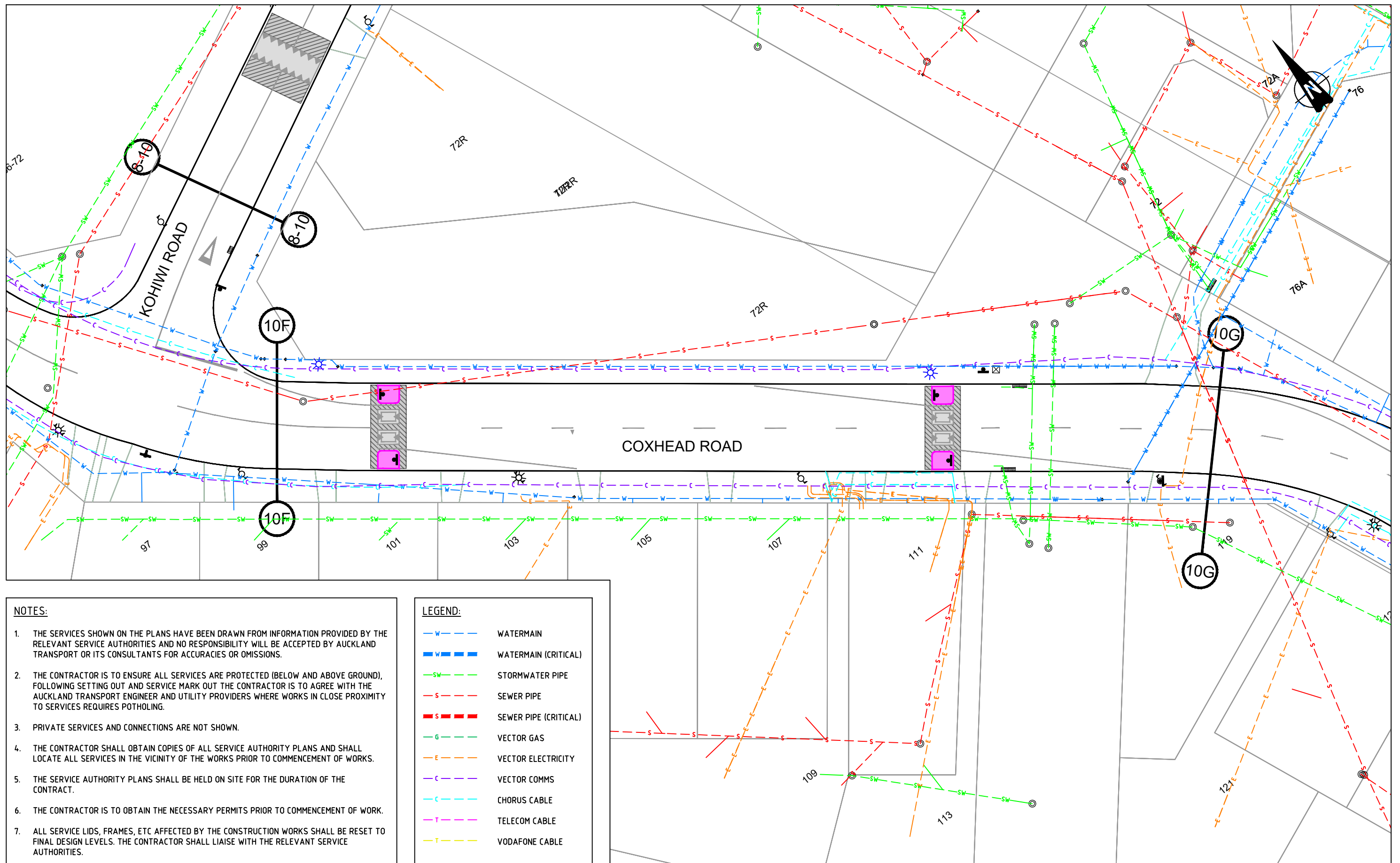
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
B	SECOND ISSUE		SL	SC	SC	01/22
A	FIRST ISSUE		SL	SC	SC	12/21



Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client	<b>AUCKLAND TRANSPORT</b>		
Project	<b>MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD UTILITY SERVICES PLAN</b>		
Original Size	<b>A3</b>	Project No: <b>T20115-2</b>	Drawing No: <b>I-1006</b> Rev: <b>B</b>





#### NOTES:

1. THE SERVICES SHOWN ON THE PLANS HAVE BEEN DRAWN FROM INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES AND NO RESPONSIBILITY WILL BE ACCEPTED BY AUCKLAND TRANSPORT OR ITS CONSULTANTS FOR ACCURACIES OR OMISSIONS.
2. THE CONTRACTOR IS TO ENSURE ALL SERVICES ARE PROTECTED (BELOW AND ABOVE GROUND), FOLLOWING SETTING OUT AND SERVICE MARK OUT THE CONTRACTOR IS TO AGREE WITH THE AUCKLAND TRANSPORT ENGINEER AND UTILITY PROVIDERS WHERE WORKS IN CLOSE PROXIMITY TO SERVICES REQUIRES POTHOLING.
3. PRIVATE SERVICES AND CONNECTIONS ARE NOT SHOWN.
4. THE CONTRACTOR SHALL OBTAIN COPIES OF ALL SERVICE AUTHORITY PLANS AND SHALL LOCATE ALL SERVICES IN THE VICINITY OF THE WORKS PRIOR TO COMMENCEMENT OF WORKS.
5. THE SERVICE AUTHORITY PLANS SHALL BE HELD ON SITE FOR THE DURATION OF THE CONTRACT.
6. THE CONTRACTOR IS TO OBTAIN THE NECESSARY PERMITS PRIOR TO COMMENCEMENT OF WORK.
7. ALL SERVICE LIDS, FRAMES, ETC AFFECTED BY THE CONSTRUCTION WORKS SHALL BE RESET TO FINAL DESIGN LEVELS. THE CONTRACTOR SHALL LIAISE WITH THE RELEVANT SERVICE AUTHORITIES.

#### LEGEND:

- W WATERMAIN
- W WATERMAIN (CRITICAL)
- SW STORMWATER PIPE
- S SEWER PIPE
- S SEWER PIPE (CRITICAL)
- G VECTOR GAS
- E VECTOR ELECTRICITY
- C VECTOR COMMS
- C CHORUS CABLE
- T TELECOM CABLE
- T VODAFONE CABLE

FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
B	SECOND ISSUE		SL	SC	SC	01/22
A	FIRST ISSUE		SL	SC	SC	12/21

FOR:



BY:



Traffic Engineering Solutions Limited  
PO Box 7237, Wellesley Street, Auckland 1036  
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Drawn	SL	Designed	SL
Drafting Check	SC	Design Check	SC
Approved			
Date	28/01/2022		
Scale	1:500 @ A3 SIZE		

Client	AUCKLAND TRANSPORT
Project	MANUREWA RSM COXHEAD QUADRANT COXHEAD ROAD UTILITY SERVICES PLAN
Original Size	A3
Project No:	T20115-2
Drawing No:	I-1007
Rev:	B

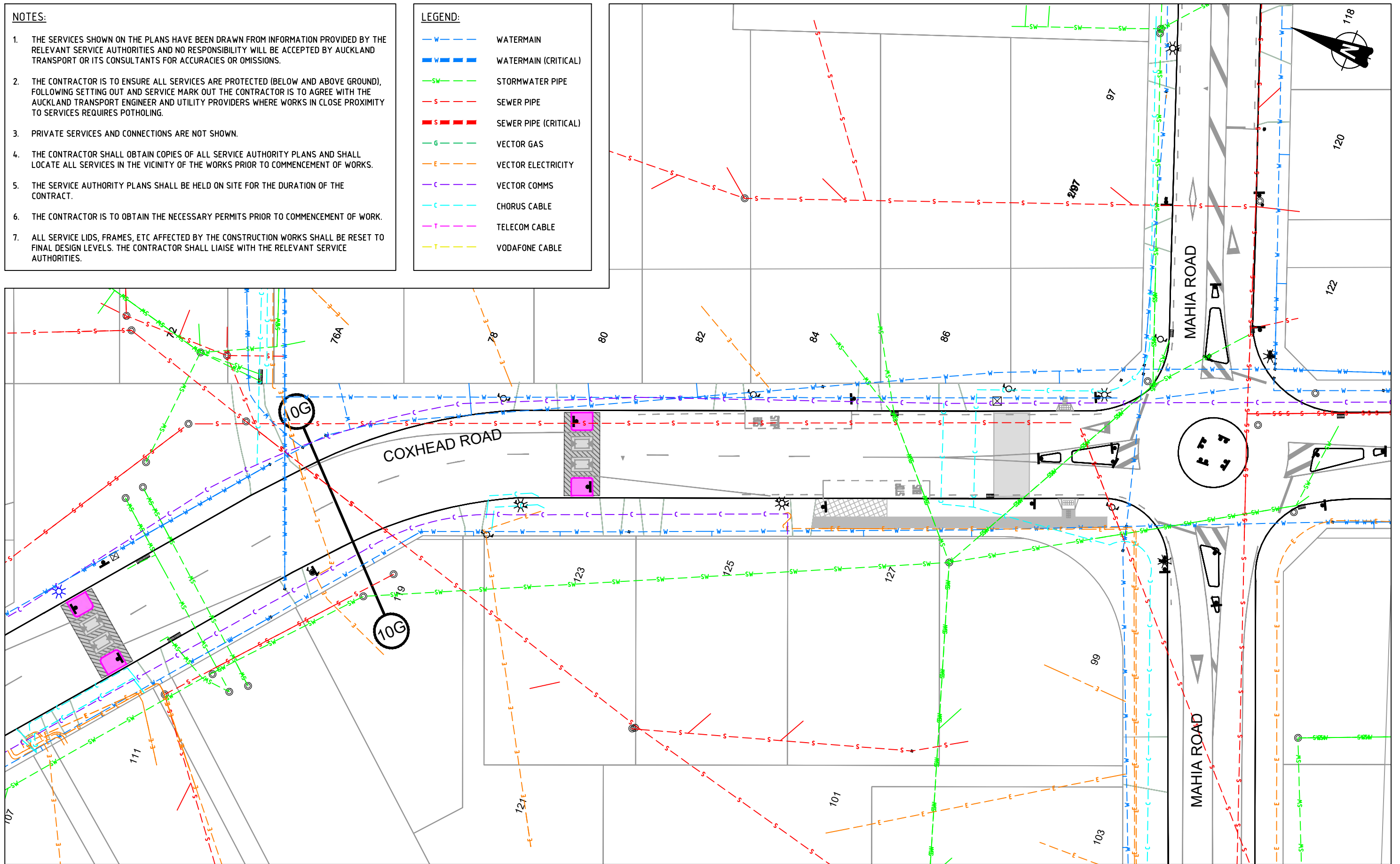


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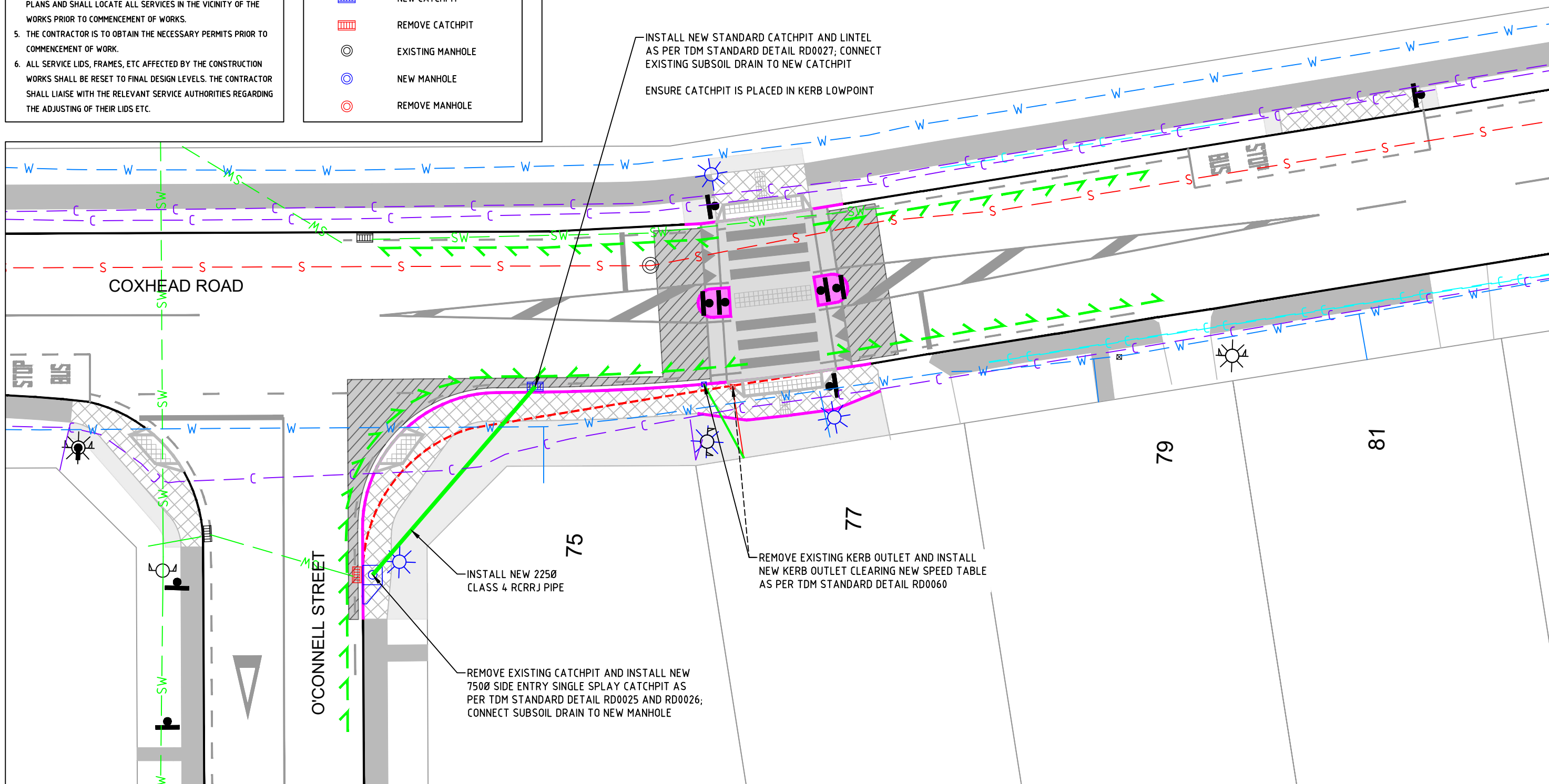


NOTES:

1. NEW LEADER PIPE TRENCHES TO BE REINSTATED WITH GAP 65 BACKFILL COMPACTED IN 200mm LAYERS TO 95% MDD MATERIALS TO TNZ B2 SPECIFICATIONS.
2. THE BALANCE OF BACKFILLING (ABOVE THE FIRST 300mm) SHALL COMPLY IN ALL RESPECTS WITH AUCKLAND COUNCIL SWCoP V2.0 EMBEDMENT AND TRENCHFILL STANDARD DETAILS.
3. AUCKLAND TRANSPORT CODE OF PRACTICE FOR WORKING IN THE ROAD, PART NINE, TRENCH REINSTATEMENT.
4. THE CONTRACTOR SHALL OBTAIN COPIES OF ALL SERVICE AUTHORITY PLANS AND SHALL LOCATE ALL SERVICES IN THE VICINITY OF THE WORKS PRIOR TO COMMENCEMENT OF WORKS.
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6. ALL SERVICE LIDS, FRAMES, ETC AFFECTED BY THE CONSTRUCTION WORKS SHALL BE RESET TO FINAL DESIGN LEVELS. THE CONTRACTOR SHALL LIAISE WITH THE RELEVANT SERVICE AUTHORITIES REGARDING THE ADJUSTING OF THEIR LIDS ETC.

LEGEND:

- CRITICAL FLOW PATH
- EXISTING PIPE
- NEW PIPE
- REMOVE PIPE
- EXISTING CATCHPIT
- NEW CATCHPIT
- REMOVE CATCHPIT
- EXISTING MANHOLE
- NEW MANHOLE
- REMOVE MANHOLE



FOR CONSTRUCTION

B	SECOND ISSUE	SL	SC	SC	01/22
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No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved

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Drawn	SL	Designed	SL
Drafting	SC	Design	SC
Check		Check	
Approved			
Date	28/01/2022		
Scale	1:250 @ A3 SIZE		

Client	AUCKLAND TRANSPORT		
Project	MANUREWA RSM COXHEAD QUADRANT		
	COXHEAD ROAD		
	STORMWATER PLAN		
Original Size	A3	Project No:	T201152
Drawing No:	K-1005	Rev:	B