

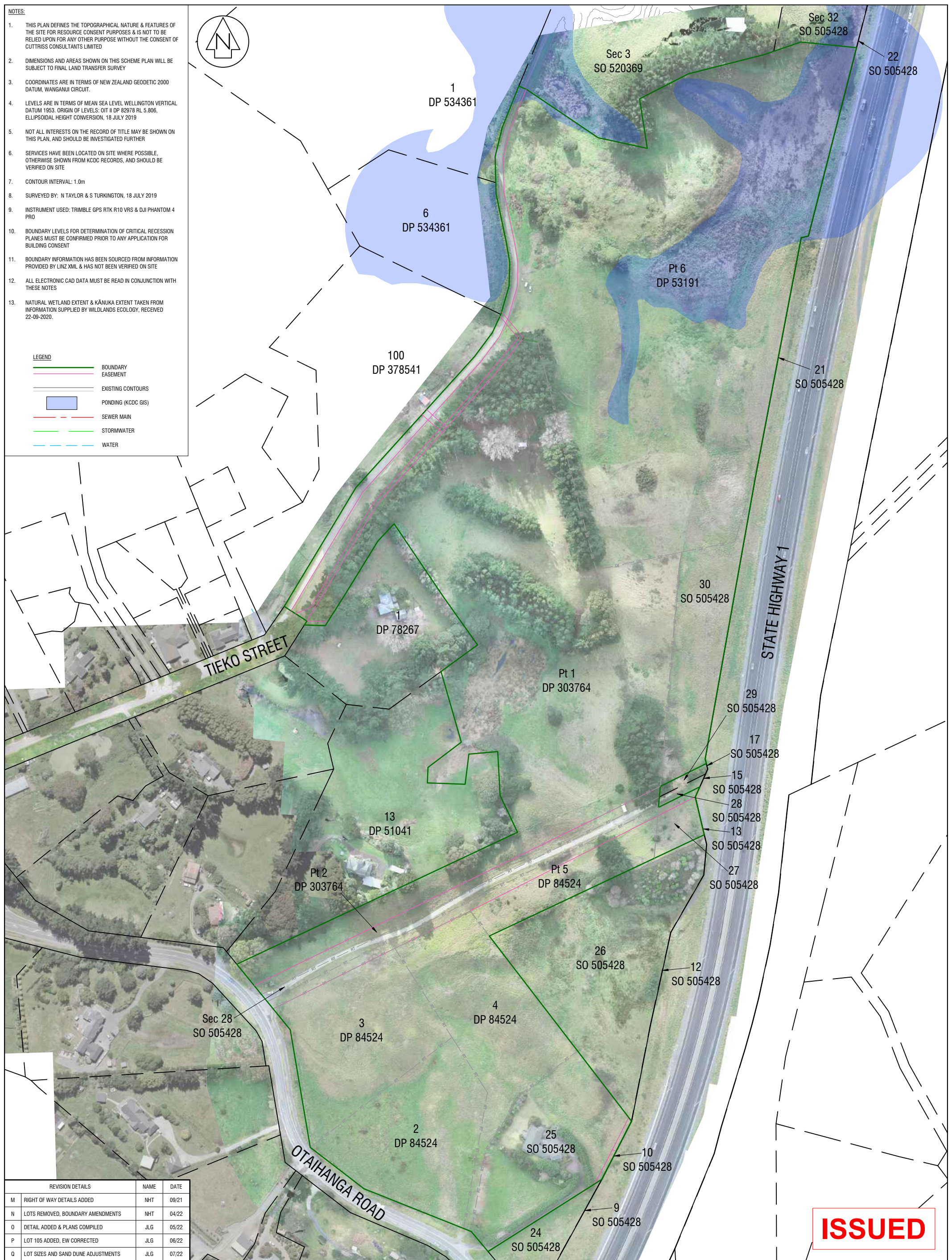


- NOTES:**
1. THIS PLAN DEFINES THE TOPOGRAPHICAL NATURE & FEATURES OF THE SITE FOR RESOURCE CONSENT PURPOSES & IS NOT TO BE RELIED UPON FOR ANY OTHER PURPOSE WITHOUT THE CONSENT OF CUTTRISS CONSULTANTS LIMITED
  2. DIMENSIONS AND AREAS SHOWN ON THIS SCHEME PLAN WILL BE SUBJECT TO FINAL LAND TRANSFER SURVEY
  3. COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC 2000 DATUM, WANGANUI CIRCUIT.
  4. LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON VERTICAL DATUM 1953. ORIGIN OF LEVELS: OIT II DP 82978 RL 5.806, ELLIPSOIDAL HEIGHT CONVERSION, 18 JULY 2019
  5. NOT ALL INTERESTS ON THE RECORD OF TITLE MAY BE SHOWN ON THIS PLAN, AND SHOULD BE INVESTIGATED FURTHER
  6. SERVICES HAVE BEEN LOCATED ON SITE WHERE POSSIBLE, OTHERWISE SHOWN FROM KDCDC RECORDS, AND SHOULD BE VERIFIED ON SITE
  7. CONTOUR INTERVAL: 1.0m
  8. SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
  9. INSTRUMENT USED: TRIMBLE GPS RTK R10 VRS & DJI PHANTOM 4 PRO
  10. BOUNDARY LEVELS FOR DETERMINATION OF CRITICAL RECESSION PLANES MUST BE CONFIRMED PRIOR TO ANY APPLICATION FOR BUILDING CONSENT
  11. BOUNDARY INFORMATION HAS BEEN SOURCED FROM INFORMATION PROVIDED BY LINZ XML & HAS NOT BEEN VERIFIED ON SITE
  12. ALL ELECTRONIC CAD DATA MUST BE READ IN CONJUNCTION WITH THESE NOTES
  13. NATURAL WETLAND EXTENT & KĀNUKA EXTENT TAKEN FROM INFORMATION SUPPLIED BY WILDLANDS ECOLOGY, RECEIVED 22-09-2020.



**LEGEND**

	BOUNDARY EASEMENT
	EXISTING CONTOURS
	PONDING (KDCDC GIS)
	SEWER MAIN
	STORMWATER
	WATER



REVISION DETAILS	NAME	DATE
M RIGHT OF WAY DETAILS ADDED	NHT	09/21
N LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22
O DETAIL ADDED & PLANS COMPILED	JLG	05/22
P LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

**ISSUED**



PROJECT  
**PROPOSED SUBDIVISION**  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428, 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA  
**SCHEME PLAN - EXISTING SITE**

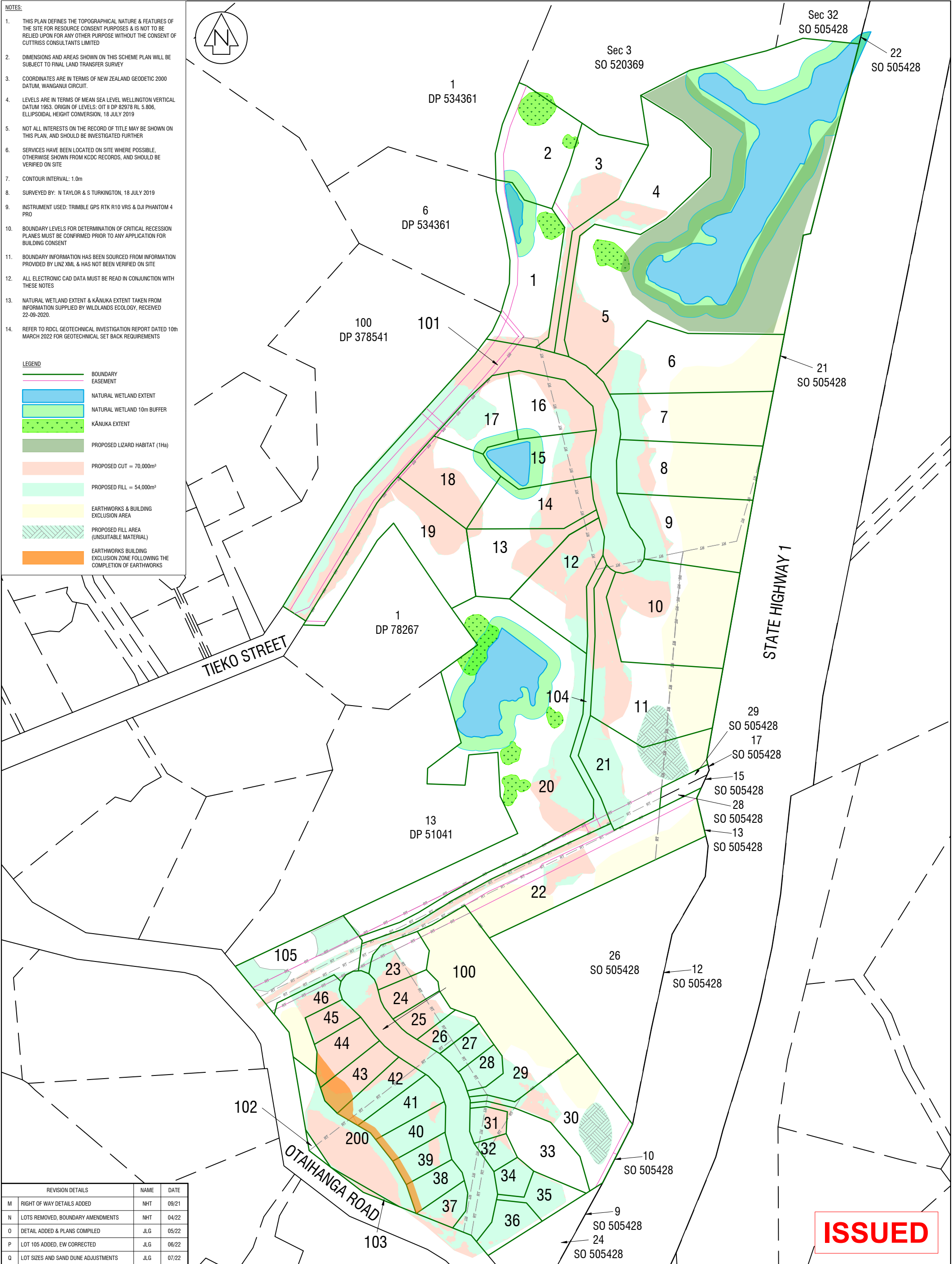
CLIENT  
**MANSELL**

SCALE		REDUCED SCALE	
A1	1:1250	A3	1:2500
FIELDWORK	NHT	DATE	07/19
DESIGNED	NHT	DATE	11/20
DRAWN	NHT	DATE	11/20
CHECKED	NKT	DATE	11/20
DRAWING NUMBER		22208 SCH1	
SHEET		2 OF 25 SHEETS	
REVISION		Q	

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  - CONTOUR INTERVAL: 1.0m
  - SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
  - INSTRUMENT USED: TRIMBLE GPS RTK R10 VRS & DJI PHANTOM 4 PRO
  - BOUNDARY LEVELS FOR DETERMINATION OF CRITICAL RECESION PLANES MUST BE CONFIRMED PRIOR TO ANY APPLICATION FOR BUILDING CONSENT
  - BOUNDARY INFORMATION HAS BEEN SOURCED FROM INFORMATION PROVIDED BY LINZ XML & HAS NOT BEEN VERIFIED ON SITE
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  - NATURAL WETLAND EXTENT & KĀNUKA EXTENT TAKEN FROM INFORMATION SUPPLIED BY WILDLANDS ECOLOGY, RECEIVED 22-09-2020.
  - REFER TO RDCL GEOTECHNICAL INVESTIGATION REPORT DATED 10th MARCH 2022 FOR GEOTECHNICAL SET BACK REQUIREMENTS



- LEGEND**
- BOUNDARY EASEMENT
  - NATURAL WETLAND EXTENT
  - NATURAL WETLAND 10m BUFFER
  - KĀNUKA EXTENT
  - PROPOSED LIZARD HABITAT (1Ha)
  - PROPOSED CUT = 70,000m<sup>3</sup>
  - PROPOSED FILL = 54,000m<sup>3</sup>
  - EARTHWORKS & BUILDING EXCLUSION AREA
  - PROPOSED FILL AREA (UNSUITABLE MATERIAL)
  - EARTHWORKS BUILDING EXCLUSION ZONE FOLLOWING THE COMPLETION OF EARTHWORKS



REVISION DETAILS	NAME	DATE
M RIGHT OF WAY DETAILS ADDED	NHT	09/21
N LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22
O DETAIL ADDED & PLANS COMPILED	JLG	05/22
P LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

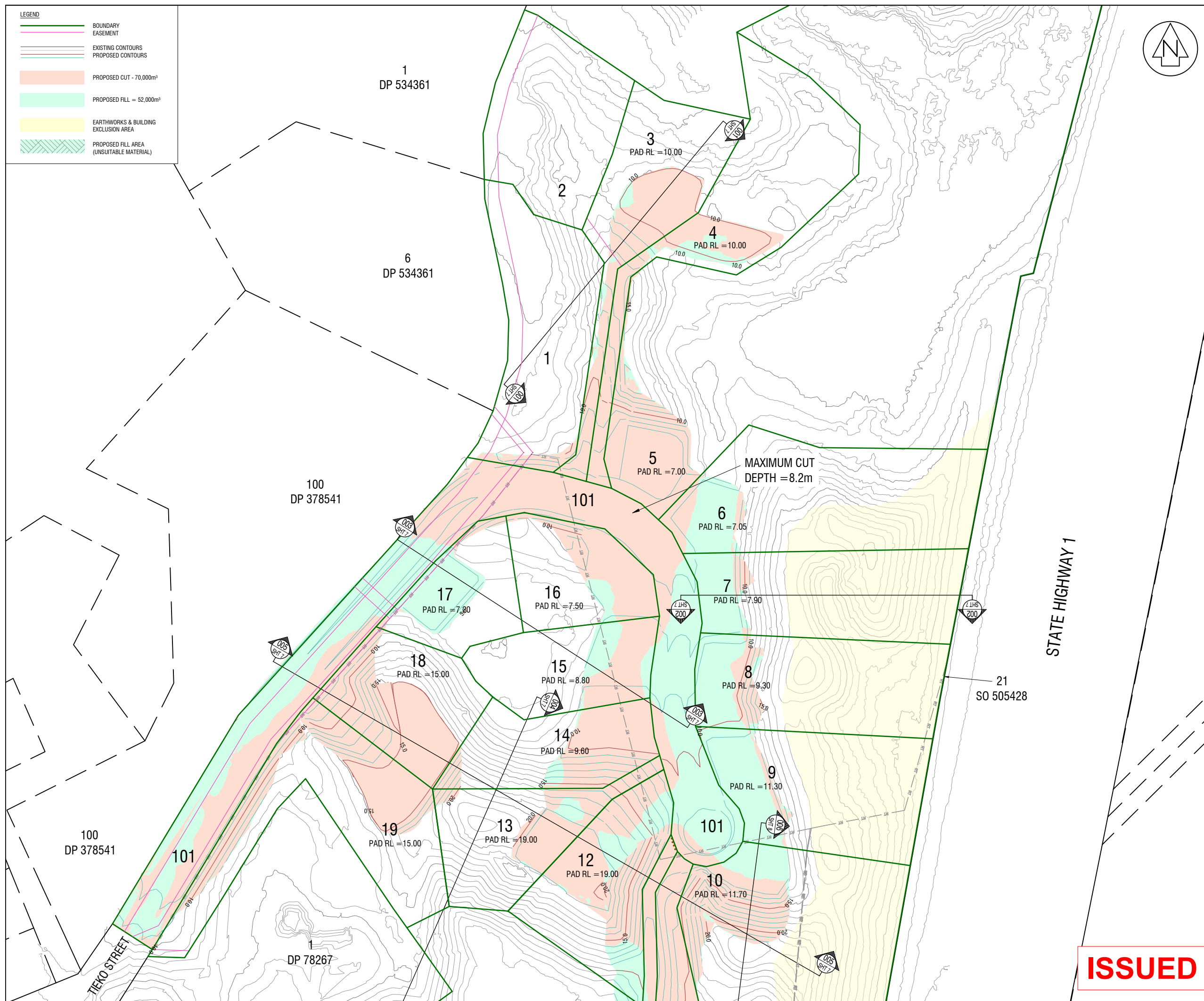
**ISSUED**

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PROJECT  
 PROPOSED SUBDIVISION  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971,  
 SECS 25, 27 & 31 SO 505428, 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA  
 SCHEME PLAN - ECOLOGICAL CONSTRAINTS & EARTHWORKS

CLIENT  
 MANSELL

SCALE	A1 1:1250	REDUCED SCALE	A3-1:2500
FIELDWORK	NHT	DATE	07/19
DESIGNED	NHT	DATE	11/20
DRAWN	NHT	DATE	11/20
CHECKED	NKT	DATE	11/20
DRAWING NUMBER		22208 SCH1	
SHEET		3	OF 25 SHEETS
REVISION		Q	



REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

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- EXTENT OF UNSUITABLE MATERIAL DISPOSAL AREAS TO BE CONFIRMED DURING CONSTRUCTION.
- REFER TO RDCL GEOTECHNICAL INVESTIGATION REPORT DATED 10th MARCH 2022 FOR GEOTECHNICAL SET BACK REQUIREMENTS

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CLIENT  
**MANSELL**

PROJECT  
**PROPOSED SUBDIVISION**  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428  
 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

**SCHEME PLAN**  
**EARTHWORKS 01**

SCALE  
**A1 - 1:750**

REDUCED SCALE  
**A3 - 1:1500**

NAME	DATE	DRAWING NUMBER
FIELDWORK	NHT 07/19	<b>22208 SCH1</b>
DESIGNED	NHT 11/20	
DRAWN	NHT 11/20	SHEET <b>4</b> OF 25 SHEETS
CHECKED	NKT 11/20	REVISION <b>Q</b>

**ISSUED**



100  
DP 378541

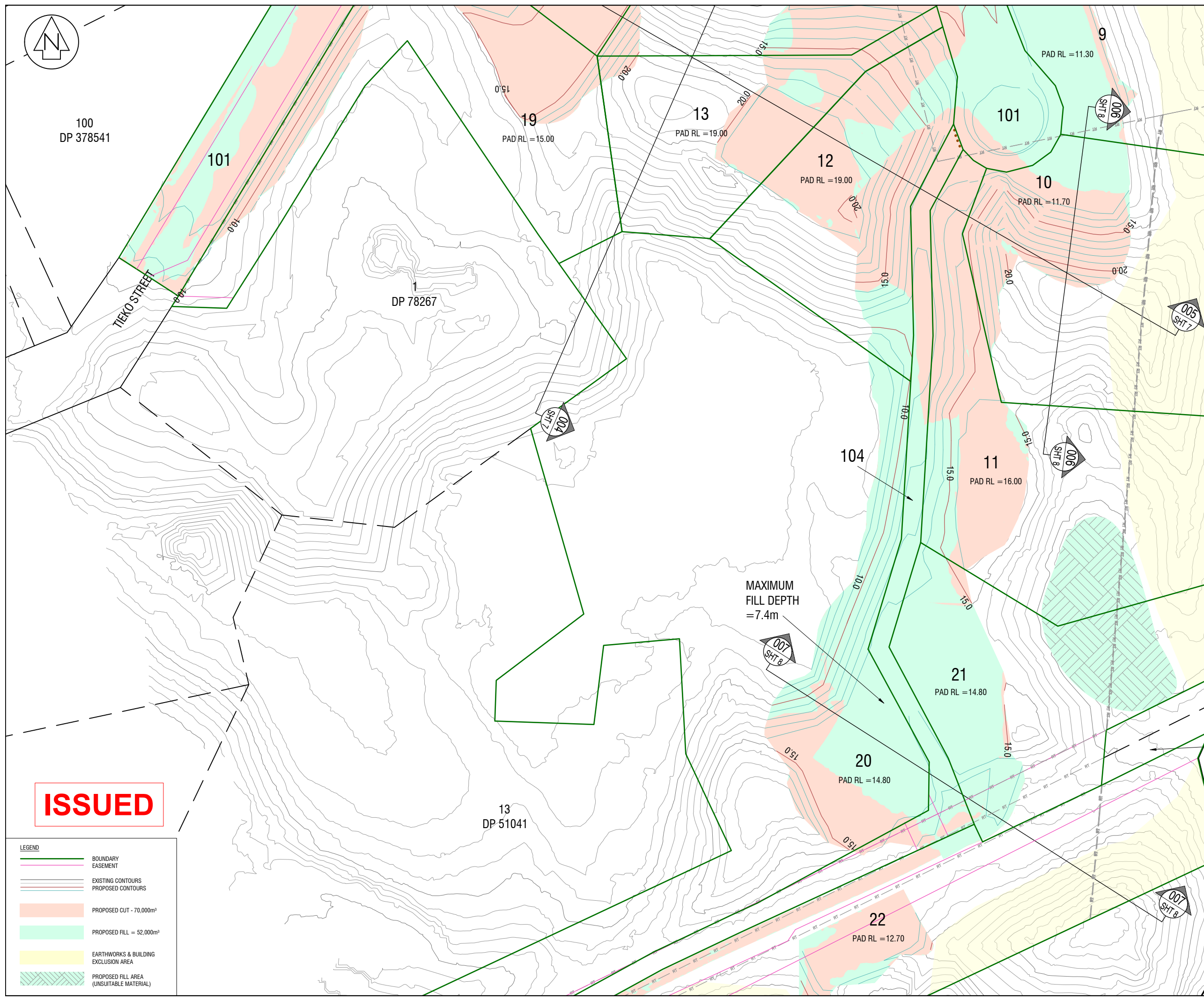
DP 78267

13  
DP 51041

MAXIMUM  
FILL DEPTH  
= 7.4m

**ISSUED**

LEGEND	
	BOUNDARY EASEMENT
	EXISTING CONTOURS
	PROPOSED CONTOURS
	PROPOSED CUT - 70,000m <sup>3</sup>
	PROPOSED FILL = 52,000m <sup>3</sup>
	EARTHWORKS & BUILDING EXCLUSION AREA
	PROPOSED FILL AREA (UNSUITABLE MATERIAL)



REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

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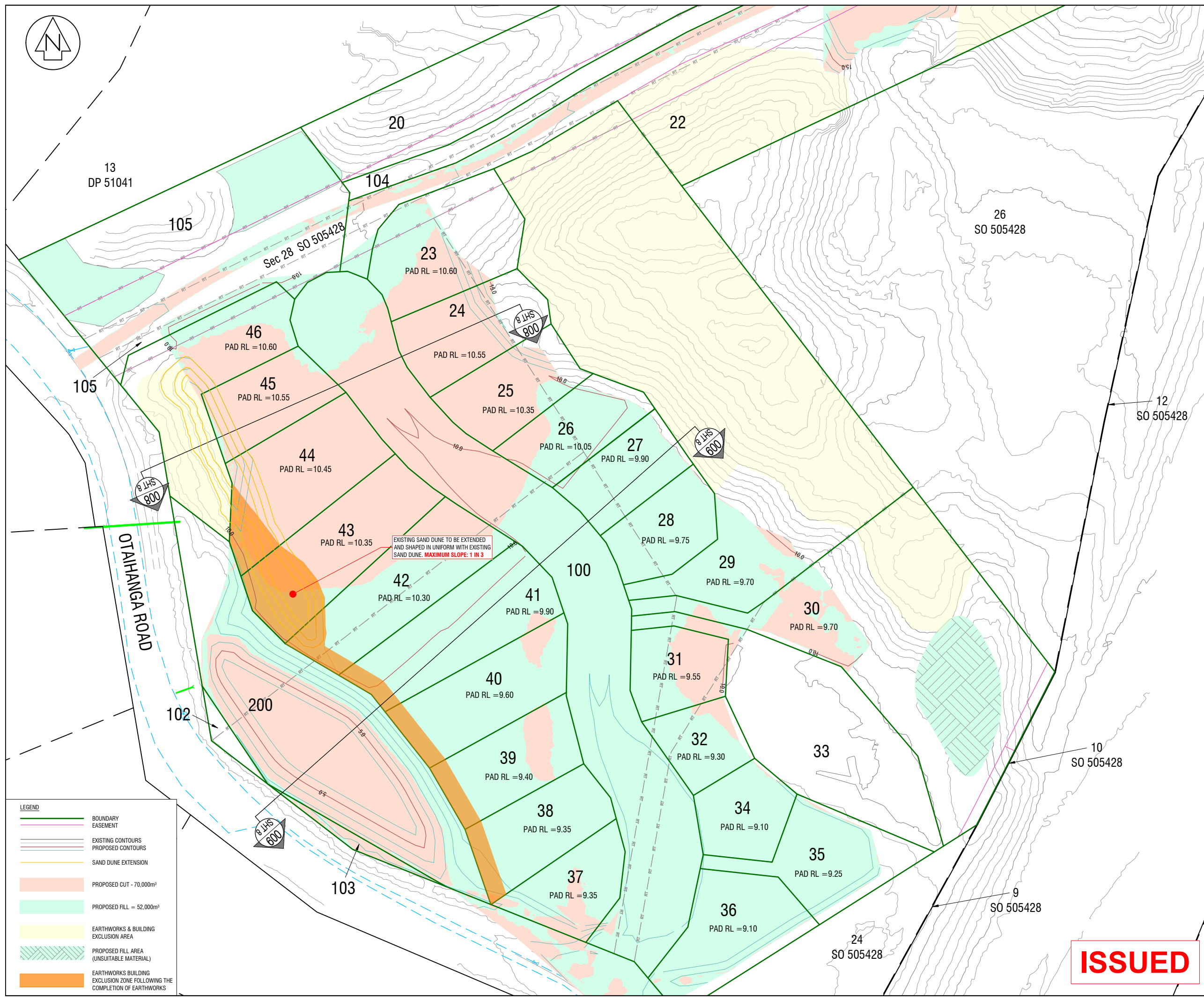
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CLIENT  
**MANSELL**

PROJECT  
**PROPOSED SUBDIVISION**  
PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

**SCHEME PLAN  
EARTHWORKS 02**

SCALE <b>A1 - 1:500</b>	REDUCED SCALE <b>A3 - 1:1000</b>
FIELDWORK NHT 07/19	DESIGNED NHT 11/20
DRAWN NHT 11/20	CHECKED NKT 11/20
DRAWING NUMBER <b>22208 SCH1</b>	
SHEET <b>5</b> OF <b>25</b> SHEETS	
REVISION <b>Q</b>	



REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

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  - CONTOUR INTERVAL: 1.0m
  - SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
  - INSTRUMENT USED: TRIMBLE GPS RTK R10 VRS & DJI PHANTOM 4 PRO
  - BOUNDARY LEVELS FOR DETERMINATION OF CRITICAL RECESSON PLANES MUST BE CONFIRMED PRIOR TO ANY APPLICATION FOR BUILDING CONSENT
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CLIENT  
**MANSELL**

PROJECT  
**PROPOSED SUBDIVISION**  
PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428  
131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

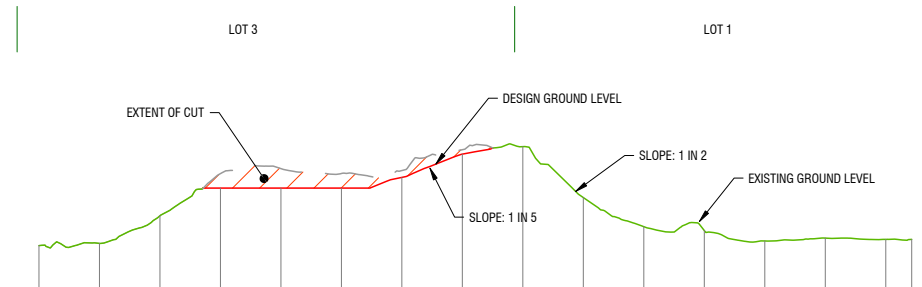
**SCHEME PLAN  
EARTHWORKS 03**

SCALE A1 - 1:500		REDUCED SCALE A3 - 1:1000	
FIELDWORK	NHT	07/19	DRAWING NUMBER <b>22208 SCH1</b>
DESIGNED	NHT	11/20	
DRAWN	NHT	11/20	SHEET <b>6</b> OF <b>25</b> SHEETS
CHECKED	NKT	11/20	
REVISION			<b>Q</b>

**ISSUED**

LEGEND

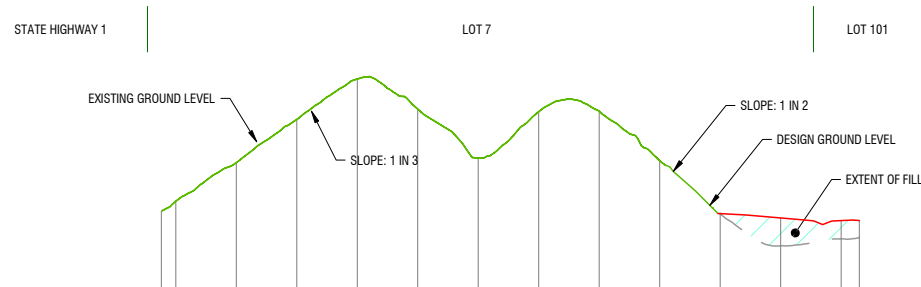
	BOUNDARY EASEMENT
	EXISTING CONTOURS
	PROPOSED CONTOURS
	SAND DUNE EXTENSION
	PROPOSED CUT - 70,000m³
	PROPOSED FILL = 52,000m³
	EARTHWORKS & BUILDING EXCLUSION AREA
	PROPOSED FILL AREA (UNSUITABLE MATERIAL)
	EARTHWORKS BUILDING EXCLUSION ZONE FOLLOWING THE COMPLETION OF EARTHWORKS



DATUM RL = 0.0

DESIGN LEVELS																		
EXISTING GROUND LEVELS	5.25	5.43	7.71	11.19	11.61	11.21	11.45	10.88	12.81	13.17	13.43	9.22	6.81	6.49	5.63	5.86	5.76	5.76
CUT OR FILL DEPTHS	0.00	0.00	0.00	-1.19	-1.61	-1.21	-0.57	-0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAINAGES (DESIGN CENTRELINE)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	144.29	0.00	0.00

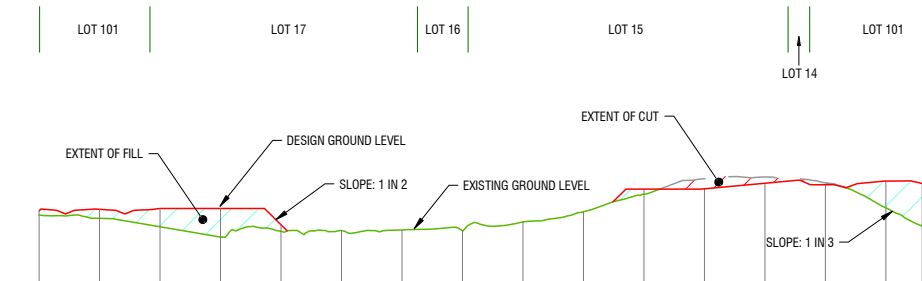
**01** EW CROSS SECTION  
SHT 4 HORIZONTAL SCALE: 1:500  
VERTICAL SCALE 1:250



DATUM RL = 0.0

DESIGN LEVELS																		
EXISTING GROUND LEVELS	8.10	8.91	12.09	15.67	19.02	16.54	12.47	16.32	16.37	12.28	7.86	7.89	5.22	7.53	5.80	7.32	7.32	5.91
CUT OR FILL DEPTHS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	2.31	1.51	1.40	1.40	1.40	1.40
CHAINAGES (DESIGN CENTRELINE)	7.61	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	123.00	123.00	123.00	123.00	123.00

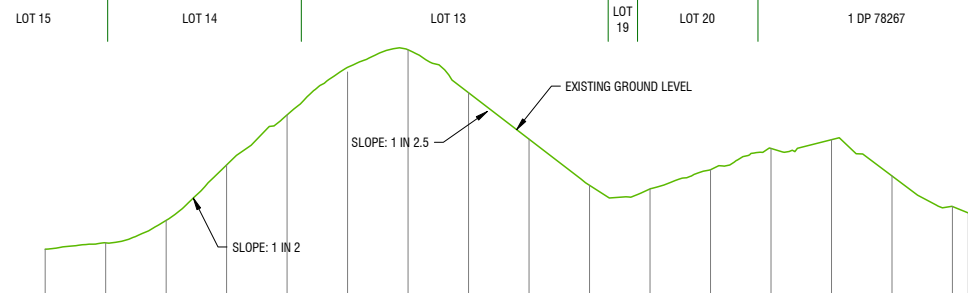
**02** EW CROSS SECTION  
SHT 4 HORIZONTAL SCALE: 1:500  
VERTICAL SCALE 1:250



DATUM RL = -0.5

DESIGN LEVELS																		
EXISTING GROUND LEVELS	6.64	7.13	7.19	7.20	5.85	5.37	5.41	5.34	6.08	6.93	8.37	9.66	8.80	8.82	9.28	9.16	9.46	9.28
CUT OR FILL DEPTHS	0.38	0.74	1.51	2.37	0.54	0.00	0.00	0.00	0.00	0.00	0.43	-0.84	-0.52	-0.52	-0.16	0.32	7.25	5.74
CHAINAGES (DESIGN CENTRELINE)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	146.00	3.53	5.74

**03** EW CROSS SECTION  
SHT 4 HORIZONTAL SCALE: 1:500  
VERTICAL SCALE 1:250



DATUM RL = 0.5

DESIGN LEVELS																		
EXISTING GROUND LEVELS	5.92	6.35	8.20	12.79	16.92	20.86	22.30	18.75	14.92	11.10	10.80	12.39	14.15	14.88	11.88	9.35	8.82	8.82
CUT OR FILL DEPTHS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAINAGES (DESIGN CENTRELINE)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	152.63	0.00

**04** EW CROSS SECTION  
SHT 4 HORIZONTAL SCALE: 1:500  
VERTICAL SCALE 1:250



DATUM RL = 1.5

EXISTING GROUND LEVELS																											
CUT OR FILL DEPTHS	0.00	0.54	-1.02	-3.19	-5.10	-5.93	-5.00	-4.78	-3.97	-0.99	0.00	0.00	-0.75	-0.82	-1.02	0.03	0.15	-4.73	-3.51	-3.37	-0.17	-1.11	-1.04	0.00	0.00	0.00	0.00
DESIGN LEVELS	6.60	7.26	7.27	8.54	10.35	12.08	14.88	15.00	15.00	17.34	18.03	19.47	19.20	19.00	19.00	19.00	18.43	13.51	12.24	14.63	19.42	19.64	21.05	22.27	21.99	21.66	19.11
CHAINAGES (DESIGN CENTRELINE)	2.71	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00	240.00	250.00	266.00

**05** EW CROSS SECTION  
SHT 4 HORIZONTAL SCALE: 1:500  
VERTICAL SCALE 1:250

REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

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  - SERVICES HAVE BEEN LOCATED ON SITE WHERE POSSIBLE, OTHERWISE SHOWN FROM KDCDC RECORDS, AND SHOULD BE VERIFIED ON SITE
  - CONTOUR INTERVAL: 1.0m
  - SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
  - INSTRUMENT USED: TRIMBLE GPS RTK R10 VRS & DJI PHANTOM 4 PRO
  - BOUNDARY LEVELS FOR DETERMINATION OF CRITICAL RECESSON PLANES MUST BE CONFIRMED PRIOR TO ANY APPLICATION FOR BUILDING CONSENT
  - BOUNDARY INFORMATION HAS BEEN SOURCED FROM INFORMATION PROVIDED BY LINZ XML & HAS NOT BEEN VERIFIED ON SITE
  - ALL ELECTRONIC CAD DATA MUST BE READ IN CONJUNCTION WITH THESE NOTES
  - WETLAND EXTENT & KĀNUKA EXTENT TAKEN FROM INFORMATION SUPPLIED BY WILDLANDS ECOLOGY, RECEIVED 22-09-2020.
  - EXISTING EASEMENTS TO BE SURRENDERED AS NECESSARY.
  - EXTENT OF UNSUITABLE MATERIAL DISPOSAL AREAS TO BE CONFIRMED DURING CONSTRUCTION.
  - REFER TO RDCL GEOTECHNICAL INVESTIGATION REPORT DATED 10th MARCH 2022 FOR GEOTECHNICAL SET BACK REQUIREMENTS

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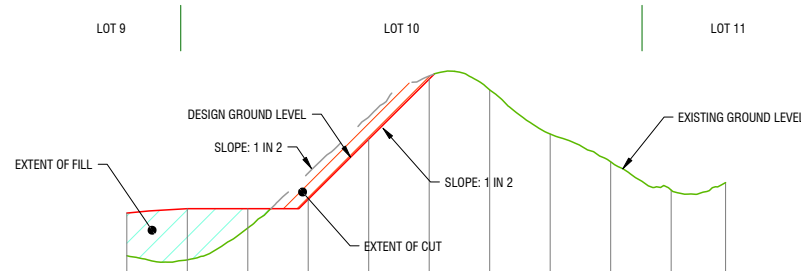
CLIENT  
**MANSELL**

PROJECT  
**PROPOSED SUBDIVISION**  
PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428  
131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

**SCHEME PLAN**  
**EARTHWORKS**  
**CROSS SECTIONS 01**

SCALE		REDUCED SCALE	
A1 - AS SHOWN		A3 - AS SHOWN	
NAME	DATE	DRAWING NUMBER	
NHT	07/19	22208 SCH1	
NHT	11/20	SHEET 7 OF 25 SHEETS	
NHT	11/20	REVISION Q	

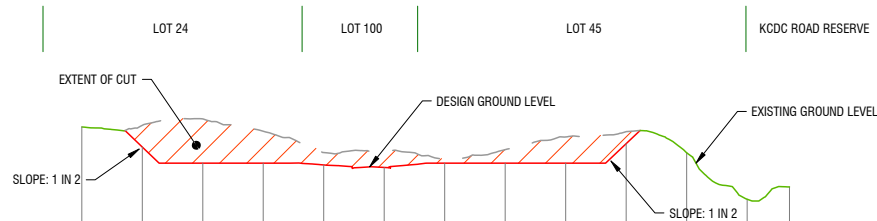
**ISSUED**



DATUM RL = 2.0

DESIGN LEVELS	11.34	11.70	11.70	12.47	17.45	22.42														
EXISTING GROUND LEVELS	7.81	7.47	10.11	14.65	19.28	22.67	21.52	17.88	15.58	13.24	13.86									
CUT OR FILL DEPTHS	3.53	4.23	1.59	-2.18	-1.83	-0.25	0.00	0.00	0.00	0.00	0.00									
CHAINAGES (DESIGN CENTRELINE)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	99.00									

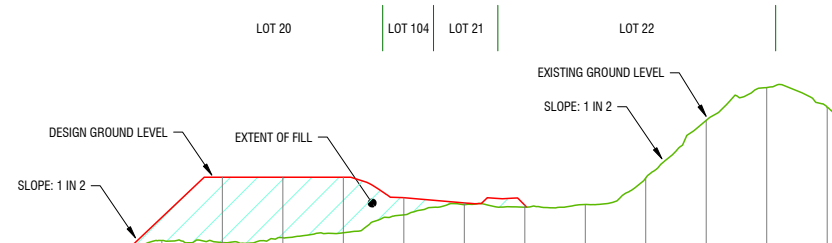
**06** EW CROSS SECTION  
SHT 5 HORIZONTAL SCALE: 1:500  
VERTICAL SCALE 1:250



DATUM RL = 2.0

DESIGN LEVELS		11.88	10.55	10.55	10.40	10.19	10.55	10.55	10.55	12.16										
EXISTING GROUND LEVELS	13.54	13.68	14.21	13.19	11.43	11.61	11.06	11.67	12.72	13.15	11.42	7.57	8.58							
CUT OR FILL DEPTHS	0.00	-1.79	-3.66	-2.64	-1.03	-1.41	-0.50	-1.12	-2.17	-0.99	0.00	0.00	0.00							
CHAINAGES (DESIGN CENTRELINE)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	117.00							

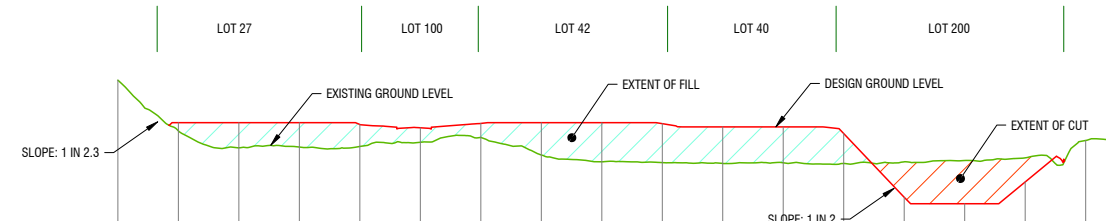
**08** EW CROSS SECTION  
SHT 6 HORIZONTAL SCALE: 1:500  
VERTICAL SCALE 1:250



DATUM RL = 2.5

EXISTING GROUND LEVELS	7.87	8.01	9.57	9.40	9.81	10.21	11.69	12.53	12.32	12.55	14.75	19.50	22.22	20.58	19.44					
CUT OR FILL DEPTHS	0.00	0.00	-0.08	5.40	4.99	4.59	1.42	0.15	0.17	0.00	0.00	0.00	0.00	0.00	0.00					
DESIGN LEVELS			9.49	14.80	14.80	14.80	13.11	12.68	12.49											
CHAINAGES (DESIGN CENTRELINE)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	132.52					

**07** EW CROSS SECTION  
SHT 5 HORIZONTAL SCALE: 1:500  
VERTICAL SCALE 1:250



DATUM RL = -2.0

DESIGN LEVELS		9.90	9.90	9.90	9.75	9.47	9.84	9.90	9.90	9.82	9.55	9.55	9.00	3.73	3.20	5.00				
EXISTING GROUND LEVELS	13.41	9.22	7.82	7.88	7.94	8.28	8.67	7.23	6.67	6.60	6.53	6.58	6.52	6.66	6.77	6.99	8.43	8.57		
CUT OR FILL DEPTHS	0.00	0.68	2.08	2.02	1.81	1.20	1.16	2.67	3.23	3.22	3.02	2.97	2.47	-2.93	-3.57	-1.99	0.00	0.00		
CHAINAGES (DESIGN CENTRELINE)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00	166.00		

**09** EW CROSS SECTION  
SHT 6 HORIZONTAL SCALE: 1:500  
VERTICAL SCALE 1:250

REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

- NOTES:
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  - DIMENSIONS AND AREAS SHOWN ON THIS SCHEME PLAN WILL BE SUBJECT TO FINAL LAND TRANSFER SURVEY
  - COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC 2000 DATUM, WANGANUI CIRCUIT.
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  - CONTOUR INTERVAL: 1.0m
  - SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
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CLIENT  
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PROJECT  
**PROPOSED SUBDIVISION**  
PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428  
131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

**SCHEME PLAN  
EARTHWORKS  
CROSS SECTIONS 02**

SCALE <b>A1 - AS SHOWN</b>		REDUCED SCALE <b>A3 - AS SHOWN</b>	
NAME	DATE	DRAWING NUMBER	
NHT	07/19	<b>22208 SCH1</b>	
DESIGNED	11/20	SHEET	8 OF 25 SHEETS
DRAWN	11/20	REVISION	<b>Q</b>
CHECKED	11/20		

**ISSUED**



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  - WETLAND EXTENT & KĀNUKA EXTENT TAKEN FROM INFORMATION SUPPLIED BY WILDLANDS ECOLOGY, RECEIVED 22-09-2020.
  - LANDSCAPE CONSTRAINTS CONFIRMED BY DCMURBAN, 17-05-2021.



- LEGEND**
- BOUNDARY EASEMENT
  - EXISTING CONTOURS
  - DOMINANT DUNES TO BE PROTECTED
  - EASTERN DUNE TO REMAIN



REVISION DETAILS	NAME	DATE
M RIGHT OF WAY DETAILS ADDED	NHT	09/21
N LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22
O DETAIL ADDED & PLANS COMPILED	JLG	05/22
P LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

**ISSUED**

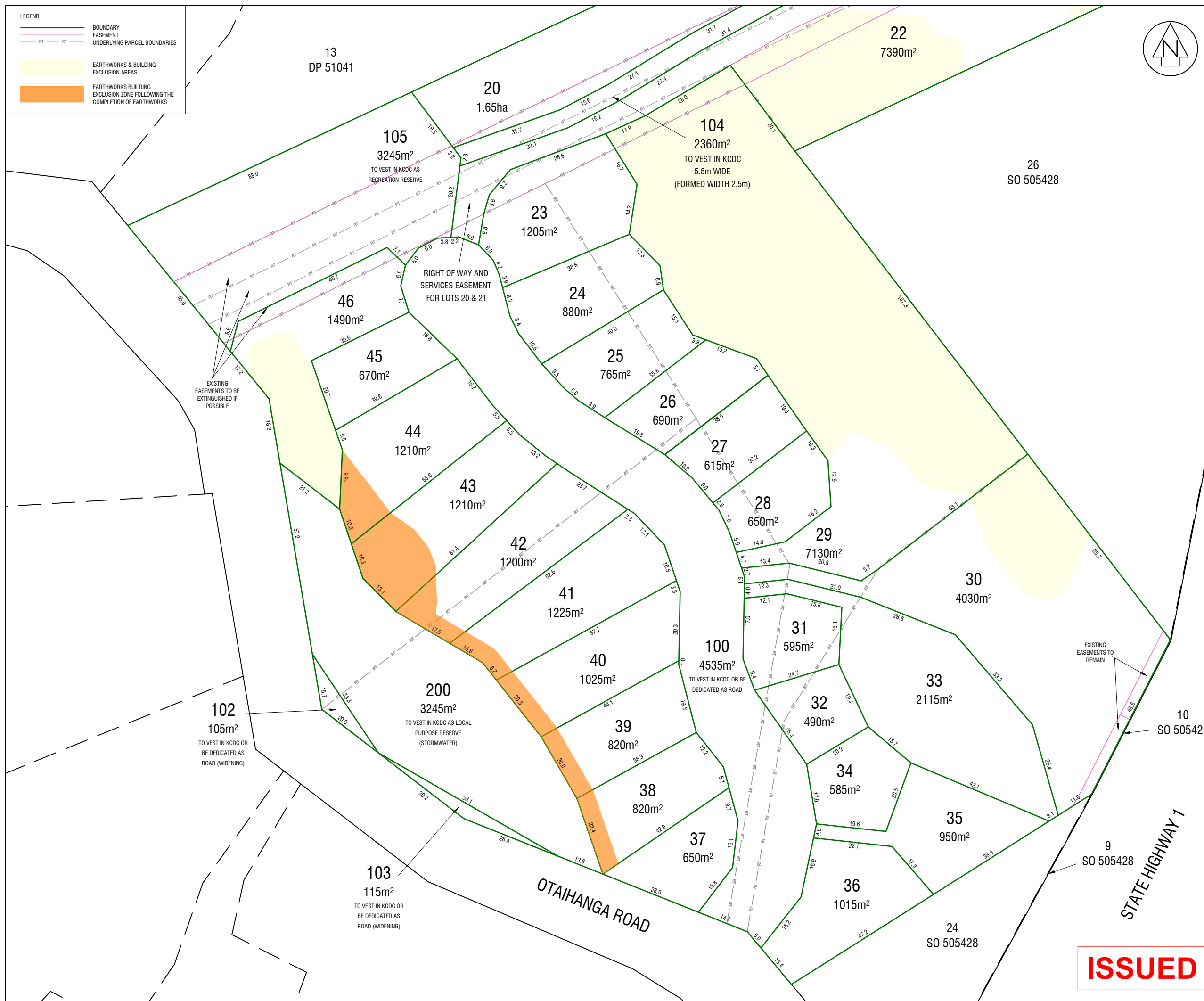
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PROJECT  
 PROPOSED SUBDIVISION  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428, 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA  
 SCHEME PLAN - LANDSCAPE CONSTRAINTS

CLIENT  
 MANSELL

SCALE	A1 1:1250	REDUCED SCALE	A3-1:2500
FIELDWORK	NHT 07/19	DRAWING NUMBER	
DESIGNED	NHT 11/20	22208 SCH1	
DRAWN	NHT 11/20	SHEET	9 OF 25 SHEETS
CHECKED	NKT 11/20	REVISION	Q





**LEGEND**

	BOUNDARY
	EASEMENT
	UNDERLYING PARCEL BOUNDARIES
	EARTHWORKS & BUILDING EXCLUSION AREAS
	EARTHWORKS BUILDING EXCLUSION ZONE FOLLOWING THE COMPLETION OF EARTHWORKS



REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
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  - EASEMENTS TO BE CREATED FOR SERVICES AND ACCESS AS REQUIRED
  - PART LOT 2 DP 57614, PART LOT 5 DP 84524, PART LOT 2 DP 303764 & SECTION 4 SO 469849 ARE TO BE AMALGAMATED AND ARE INTENDED TO BECOME LOT 5 DP 570061

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PROJECT  
**PROPOSED SUBDIVISION**  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428  
 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

**SCHEME PLAN  
 LEGAL 02**

SCALE A1 - 1:500	REDUCED SCALE A3 - 1:1000														
<table border="1"> <thead> <tr> <th>FIELDWORK</th> <th>NAME</th> <th>DATE</th> <th rowspan="2">DRAWING NUMBER <b>22208 SCH1</b></th> </tr> </thead> <tbody> <tr> <td>DESIGNED</td> <td>NHT</td> <td>07/19</td> </tr> <tr> <td>DRAWN</td> <td>NHT</td> <td>11/20</td> <td rowspan="2">SHEET <b>11</b> OF <b>25</b> SHEETS</td> </tr> <tr> <td>CHECKED</td> <td>NKT</td> <td>11/20</td> </tr> </tbody> </table>		FIELDWORK	NAME	DATE	DRAWING NUMBER <b>22208 SCH1</b>	DESIGNED	NHT	07/19	DRAWN	NHT	11/20	SHEET <b>11</b> OF <b>25</b> SHEETS	CHECKED	NKT	11/20
FIELDWORK	NAME	DATE	DRAWING NUMBER <b>22208 SCH1</b>												
DESIGNED	NHT	07/19													
DRAWN	NHT	11/20	SHEET <b>11</b> OF <b>25</b> SHEETS												
CHECKED	NKT	11/20													
<table border="1"> <thead> <tr> <th>REVISION</th> <th>Q</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISION	Q												
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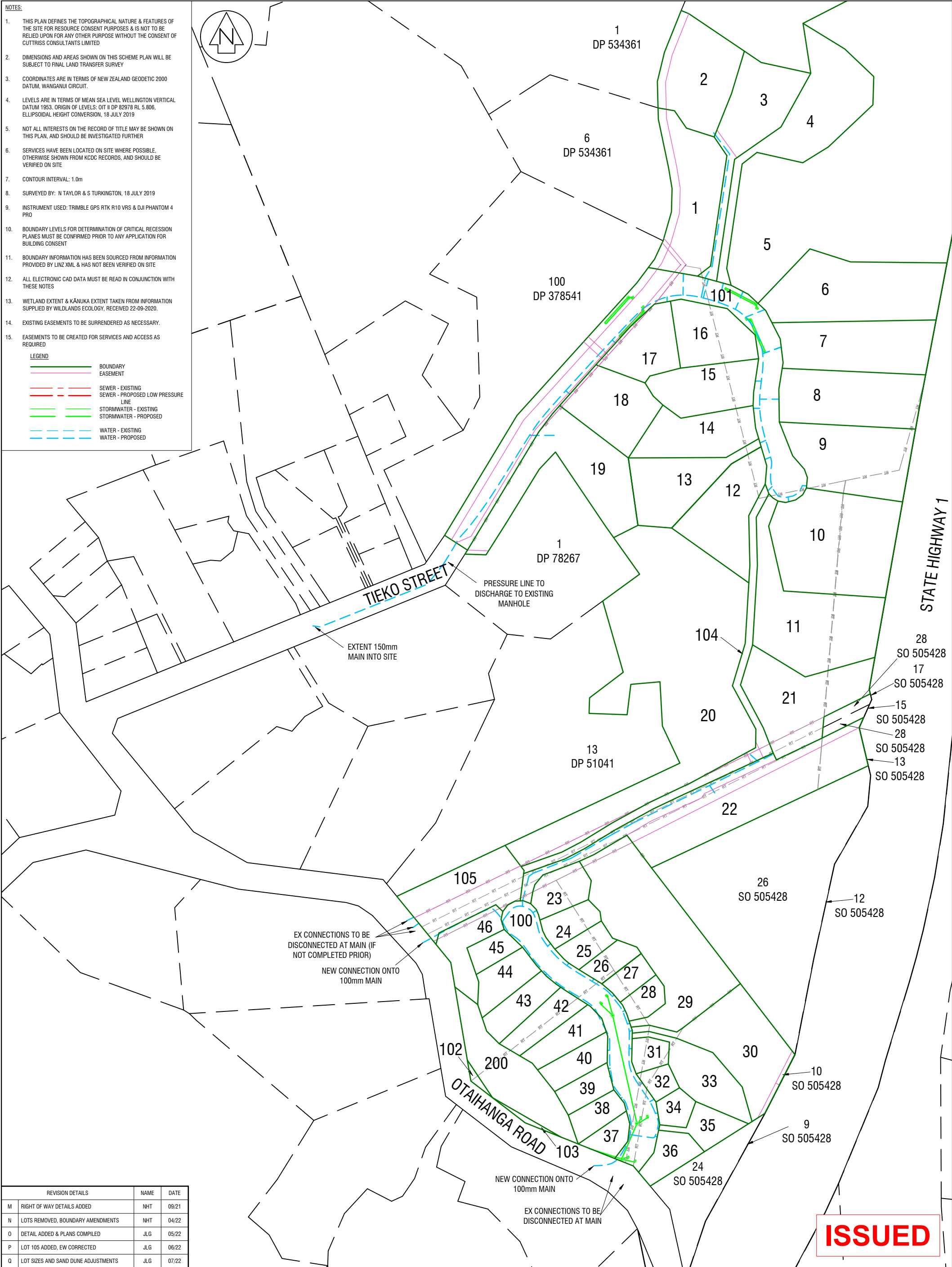
**ISSUED**

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  - EASEMENTS TO BE CREATED FOR SERVICES AND ACCESS AS REQUIRED



**LEGEND**

	BOUNDARY
	EASEMENT
	SEWER - EXISTING
	SEWER - PROPOSED LOW PRESSURE LINE
	STORMWATER - EXISTING
	STORMWATER - PROPOSED
	WATER - EXISTING
	WATER - PROPOSED



REVISION DETAILS	NAME	DATE
M RIGHT OF WAY DETAILS ADDED	NHT	09/21
N LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22
O DETAIL ADDED & PLANS COMPILED	JLG	05/22
P LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

**ISSUED**



PROJECT  
**PROPOSED SUBDIVISION**  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428, 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA  
**SCHEME PLAN - SERVICES**

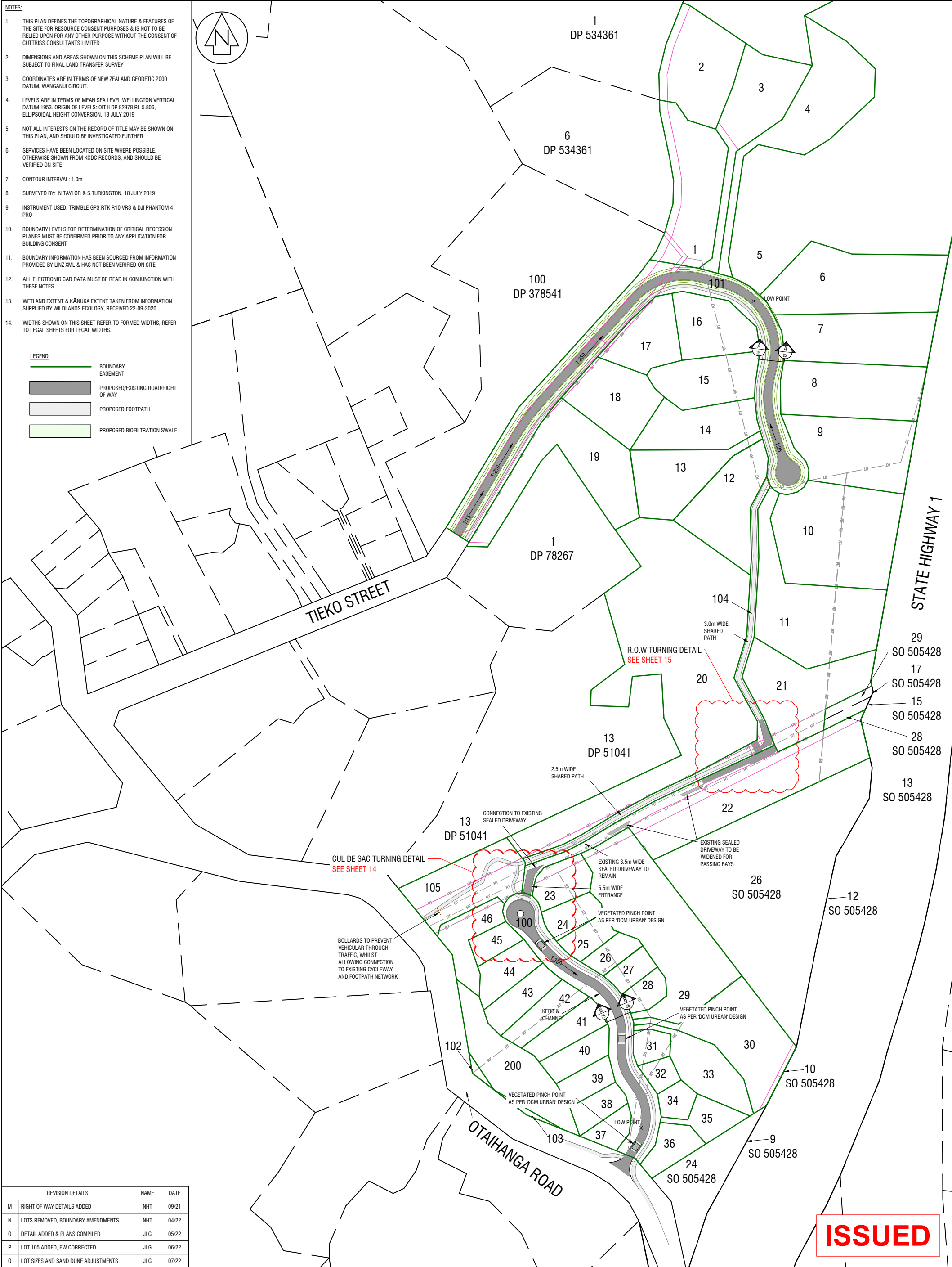
CLIENT  
**MANSELL**

SCALE <b>A1</b> 1:1250			REDUCED SCALE A3-1:2500		
FIELDWORK	NHT	07/19	DRAWING NUMBER <b>22208 SCH1</b>		
DESIGNED	NHT	11/20	SHEET <b>12</b> OF <b>25</b> SHEETS		
DRAWN	NHT	11/20	REVISION	Q	
CHECKED	NKT	11/20			

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  - WIDTHS SHOWN ON THIS SHEET REFER TO FORMED WIDTHS, REFER TO LEGAL SHEETS FOR LEGAL WIDTHS.



- LEGEND**
- BOUNDARY EASEMENT
  - PROPOSED/EXISTING ROAD/RIGHT OF WAY
  - PROPOSED FOOTPATH
  - PROPOSED BIOFILTRATION SWALE



REVISION DETAILS	NAME	DATE
M RIGHT OF WAY DETAILS ADDED	NHT	09/21
N LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22
O DETAIL ADDED & PLANS COMPILED	JLG	05/22
P LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

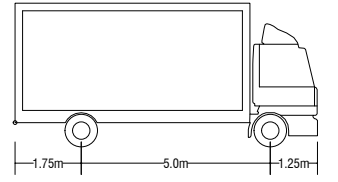
**ISSUED**



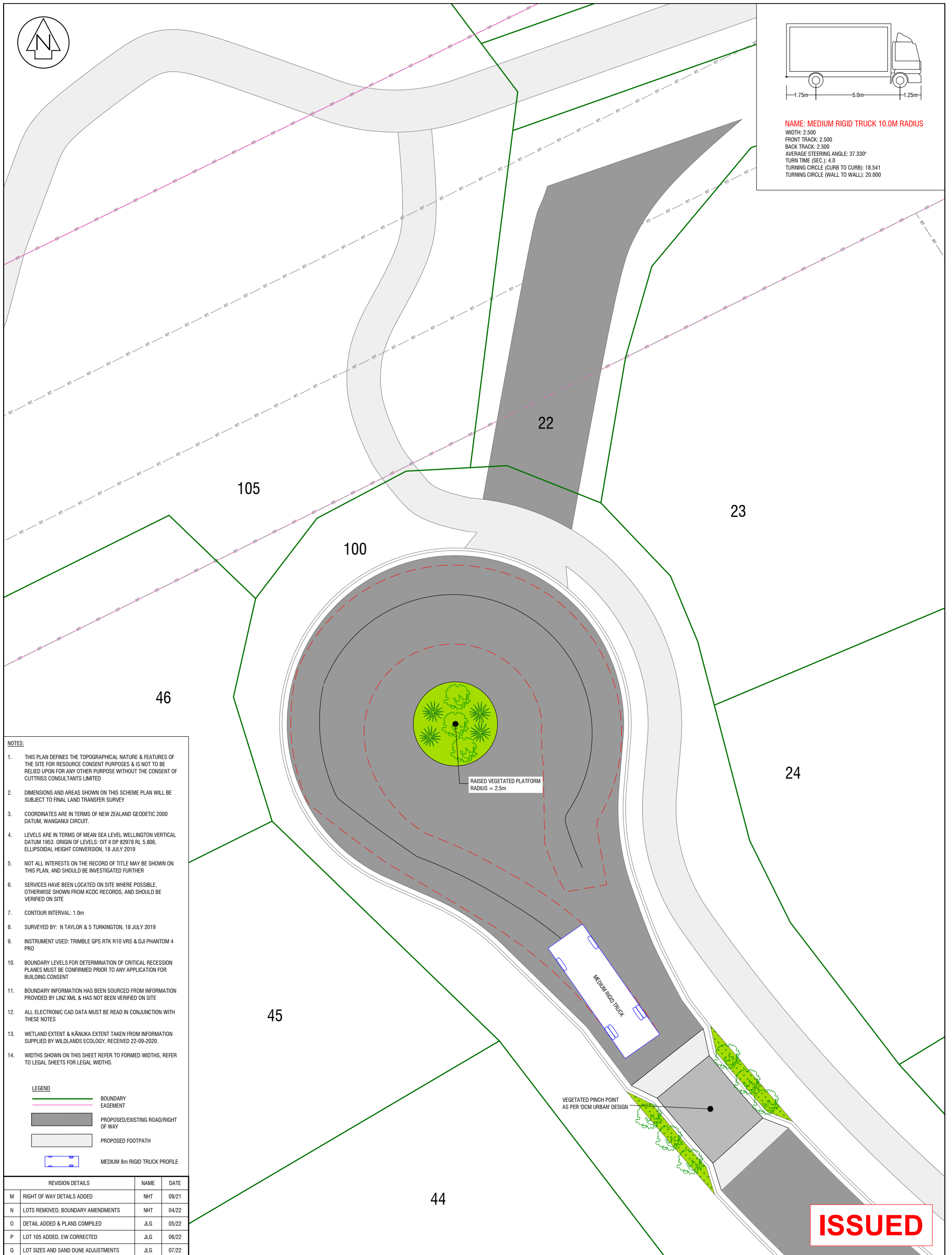
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**SCHEME PLAN - ROADING**

CLIENT  
**MANSELL**

SCALE	NAME	DATE	DRAWING NUMBER
A1 1:1250	NHT	07/19	22208 SCH1
REDUCED SCALE A3-1:2500	NHT	11/20	SHEET 13 OF 25 SHEETS
	NHT	11/20	REVISION Q
	NKT	11/20	



**NAME: MEDIUM RIGID TRUCK 10.0M RADIUS**  
 WIDTH: 2.500  
 FRONT TRACK: 2.500  
 BACK TRACK: 2.500  
 AVERAGE STEERING ANGLE: 37.330°  
 TURN TIME (SEC): 4.0  
 TURNING CIRCLE (CURB TO CURB): 18.541  
 TURNING CIRCLE (WALL TO WALL): 20.000



**NOTES:**

1. THIS PLAN DEFINES THE TOPOGRAPHICAL NATURE & FEATURES OF THE SITE FOR RESOURCE CONSENT PURPOSES & IS NOT TO BE RELIED UPON FOR ANY OTHER PURPOSE WITHOUT THE CONSENT OF CUTTRISS CONSULTANTS LIMITED
2. DIMENSIONS AND AREAS SHOWN ON THIS SCHEME PLAN WILL BE SUBJECT TO FINAL LAND TRANSFER SURVEY
3. COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC 2000 DATUM, WANGANUI CIRCUIT.
4. LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON VERTICAL DATUM 1953. ORIGIN OF LEVELS: OIT II DP 82978 RL 5.806, ELLIPSOIDAL HEIGHT CONVERSION, 18 JULY 2019
5. NOT ALL INTERESTS ON THE RECORD OF TITLE MAY BE SHOWN ON THIS PLAN, AND SHOULD BE INVESTIGATED FURTHER
6. SERVICES HAVE BEEN LOCATED ON SITE WHERE POSSIBLE, OTHERWISE SHOWN FROM KDCDC RECORDS, AND SHOULD BE VERIFIED ON SITE
7. CONTOUR INTERVAL: 1.0m
8. SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
9. INSTRUMENT USED: TRIMBLE GPS RTK R10 VRS & DJI PHANTOM 4 PRO
10. BOUNDARY LEVELS FOR DETERMINATION OF CRITICAL RECESION PLANES MUST BE CONFIRMED PRIOR TO ANY APPLICATION FOR BUILDING CONSENT
11. BOUNDARY INFORMATION HAS BEEN SOURCED FROM INFORMATION PROVIDED BY LINZ XML & HAS NOT BEEN VERIFIED ON SITE
12. ALL ELECTRONIC CAD DATA MUST BE READ IN CONJUNCTION WITH THESE NOTES
13. WETLAND EXTENT & KĀNIKA EXTENT TAKEN FROM INFORMATION SUPPLIED BY WILDLANDS ECOLOGY, RECEIVED 22-09-2020.
14. WIDTHS SHOWN ON THIS SHEET REFER TO FORMED WIDTHS, REFER TO LEGAL SHEETS FOR LEGAL WIDTHS.

**LEGEND**

	BOUNDARY
	EASEMENT
	PROPOSED/EXISTING ROAD/RIGHT OF WAY
	PROPOSED FOOTPATH
	MEDIUM 8m RIGID TRUCK PROFILE

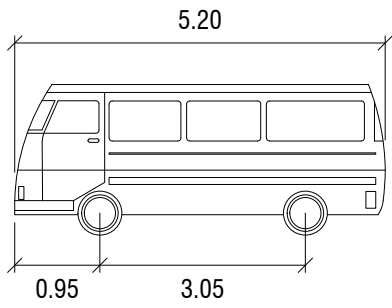
REVISION DETAILS	NAME	DATE
M RIGHT OF WAY DETAILS ADDED	NHT	09/21
N LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22
O DETAIL ADDED & PLANS COMPILED	JLG	05/22
P LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

**ISSUED**



PROJECT  
 PROPOSED SUBDIVISION  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428, 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA  
 CLIENT  
**MANSELL**

SCALE	A1 1:100	REDUCED SCALE	A3-1:200
FIELDWORK	NHT 07/19	DESIGNED	NHT 11/20
DRAWN	NHT 11/20	CHECKED	NKT 11/20
DRAWING NUMBER		22208 SCH1	
SHEET 14 OF 25 SHEETS		REVISION Q	



**PASSENGER-VAN DETAILS**

WIDTH : 1.94m  
 TRACK : 1.84m  
 LOCK TO LOCK TIME : 6.0  
 STEERING ANGLE : 33.6



REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

- NOTES:**
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  - DIMENSIONS AND AREAS SHOWN ON THIS SCHEME PLAN WILL BE SUBJECT TO FINAL LAND TRANSFER SURVEY
  - COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC 2000 DATUM, WANGANUI CIRCUIT.
  - LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON VERTICAL DATUM 1953. ORIGIN OF LEVELS: OIT II DP 82978 RL 5.806, ELLIPSOIDAL HEIGHT CONVERSION, 18 JULY 2019
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  - SERVICES HAVE BEEN LOCATED ON SITE WHERE POSSIBLE, OTHERWISE SHOWN FROM KDCDC RECORDS, AND SHOULD BE VERIFIED ON SITE
  - CONTOUR INTERVAL: 1.0m
  - SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
  - INSTRUMENT USED: TRIMBLE GPS RTK R10 VRS & DJI PHANTOM 4 PRO
  - BOUNDARY LEVELS FOR DETERMINATION OF CRITICAL RECESION PLANES MUST BE CONFIRMED PRIOR TO ANY APPLICATION FOR BUILDING CONSENT
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  - WETLAND EXTENT & KĀNIKA EXTENT TAKEN FROM INFORMATION SUPPLIED BY WILDLANDS ECOLOGY, RECEIVED 22-09-2020.

**LEGEND**

	BOUNDARY
	EASEMENT
	FENCE
	VEHICLE PROFILE
	POST AND RAIL FENCE W/ REFLECTORS

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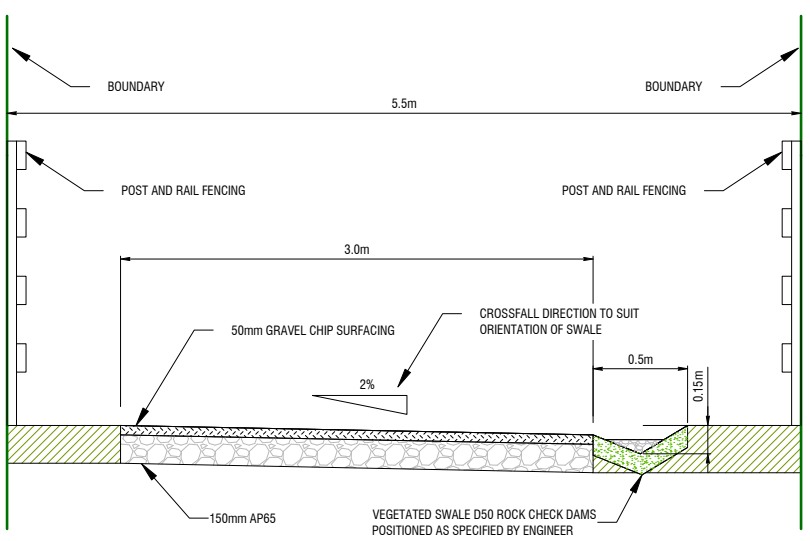
CLIENT  
**MANSELL**

PROJECT  
**PROPOSED SUBDIVISION**  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428  
 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

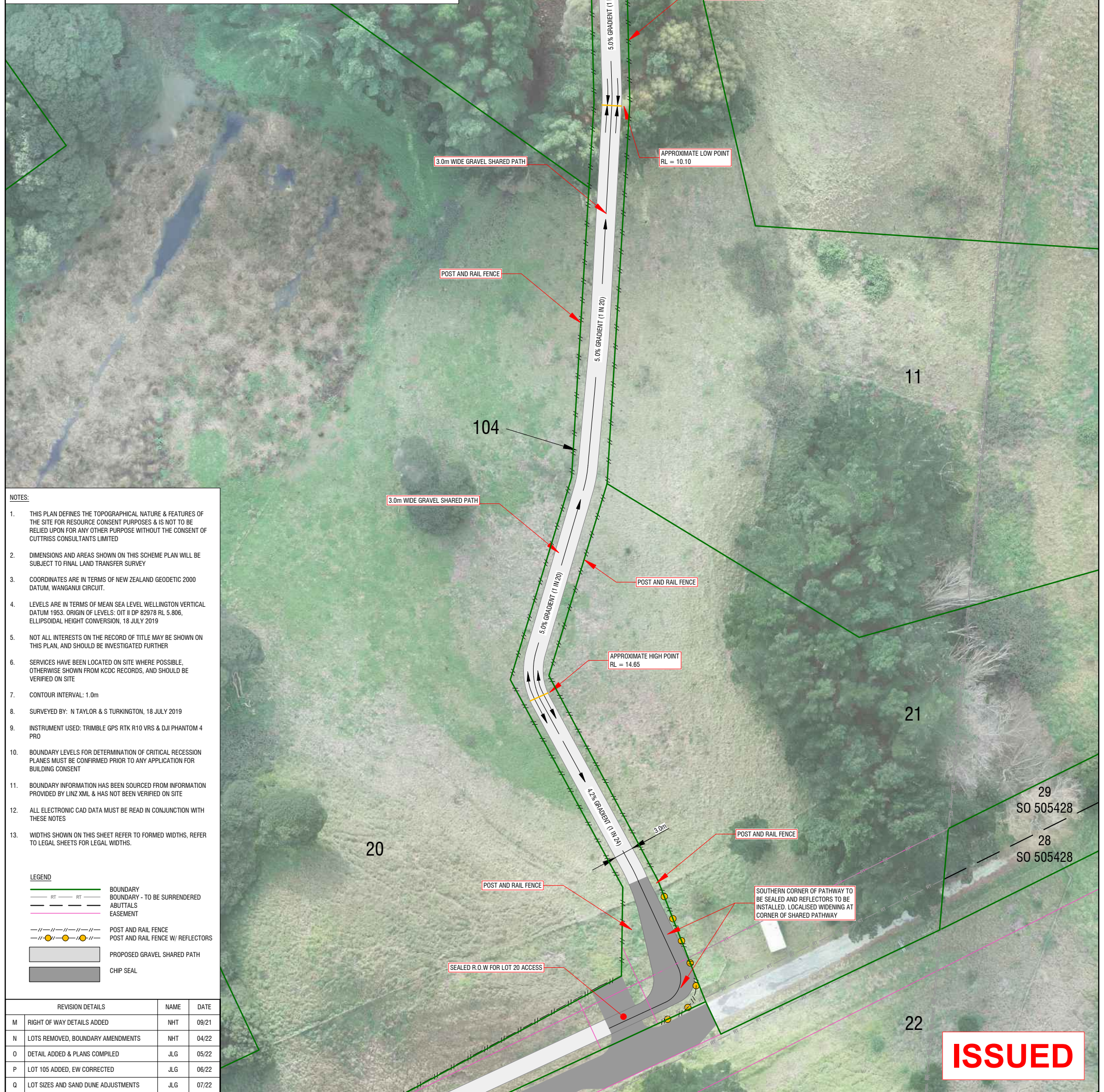
**SCHEME PLAN  
 RIGHT OF WAY DETAIL**

SCALE		REDUCED SCALE	
A1 - 1:100		A3 - 1:200	
NAME	DATE	DRAWING NUMBER	
FIELDWORK	NHT 07/19	22208 SCH1	
DESIGNED	NHT 11/20	SHEET	15 OF 25 SHEETS
DRAWN	NHT 11/20	REVISION	Q
CHECKED	NKT 11/20		

**ISSUED**



**SHARED PATHWAY - TYPICAL CROSS SECTION**  
(NOT TO SCALE)



- NOTES:**
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  - CONTOUR INTERVAL: 1.0m
  - SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
  - INSTRUMENT USED: TRIMBLE GPS RTK R10 VRS & DJI PHANTOM 4 PRO
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  - WIDTHS SHOWN ON THIS SHEET REFER TO FORMED WIDTHS, REFER TO LEGAL SHEETS FOR LEGAL WIDTHS.

**LEGEND**

	BOUNDARY
	BOUNDARY - TO BE SURRENDERED
	ABUTTALS
	EASEMENT
	POST AND RAIL FENCE
	POST AND RAIL FENCE W/ REFLECTORS
	PROPOSED GRAVEL SHARED PATH
	CHIP SEAL

REVISION DETAILS	NAME	DATE
M RIGHT OF WAY DETAILS ADDED	NHT	09/21
N LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22
O DETAIL ADDED & PLANS COMPILED	JLG	05/22
P LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

**ISSUED**

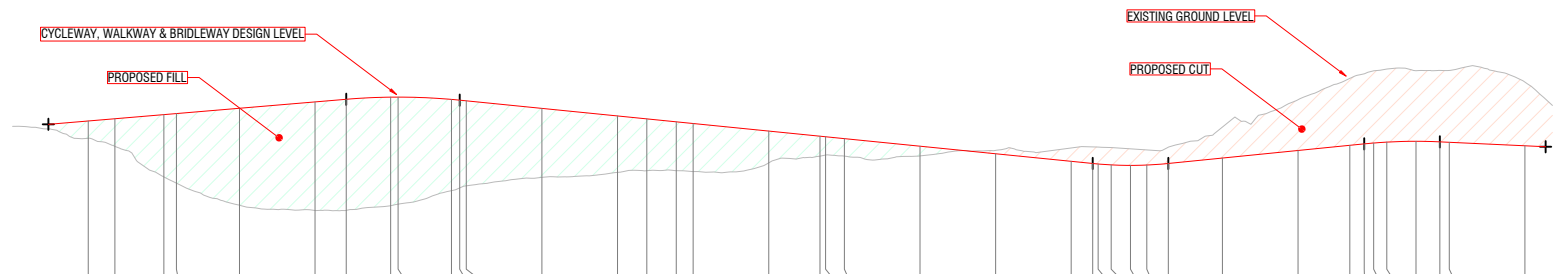


PROJECT  
**PROPOSED SUBDIVISION**  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428, 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA  
**SCHEME PLAN - SHARED PATH DETAIL**

CLIENT  
**MANSELL**

SCALE	<b>A1 1:300</b>	REDUCED SCALE	A3 - 1:600
FIELDWORK	NHT 07/19	DRAWING NUMBER	
DESIGNED	NHT 11/20	<b>22208 SCH1</b>	
DRAWN	NHT 11/20	SHEET	16 OF 25 SHEETS
CHECKED	NKT 11/20	REVISION	Q





DATUM RL = 2.0

VERTICAL GEOMETRY	G=1 IN 24		K=1.6 L=15.0m		G=1 IN -20		K=1.0 L=10.0m		G=1 IN 20		K=1.4 L=10.0m		G=1 IN -43	
HORIZONTAL GEOMETRY	L=13.5m		R=-30m		L=28.5m		R=10m		L=25.8m		R=-20m		L=19m	
EXISTING GROUND LEVELS	12.69	11.91	11.37	9.35	8.94	7.48	7.13	7.14	7.45	7.54	8.44	8.44	8.76	9.33
CUT OR FILL DEPTHS		1.14	1.83	4.12	4.60	6.41	7.18	7.35	7.18	7.09	6.04	6.04	5.62	4.56
DESIGN CENTRELINE LEVELS		13.05	13.20	13.47	13.54	13.89	14.31	14.48	14.63	14.63	14.48	14.43	14.38	13.88
CHAINAGES (DESIGN CENTRELINE)	0.00	10.00	13.83	20.00	21.67	30.00	40.00	44.13	50.00	50.88	56.04	59.13	60.00	70.00

SHARED PATHWAY LONGSECTION  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:250

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  - SERVICES HAVE BEEN LOCATED ON SITE WHERE POSSIBLE, OTHERWISE SHOWN FROM KCDC RECORDS, AND SHOULD BE VERIFIED ON SITE
  - CONTOUR INTERVAL: 1.0m
  - SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
  - INSTRUMENT USED: TRIMBLE GPS RTK R10 VRS & DJI PHANTOM 4 PRO
  - BOUNDARY LEVELS FOR DETERMINATION OF CRITICAL RECEPTION PLANES MUST BE CONFIRMED PRIOR TO ANY APPLICATION FOR BUILDING CONSENT
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  - WIDTHS SHOWN ON THIS SHEET REFER TO FORMED WIDTHS, REFER TO LEGAL SHEETS FOR LEGAL WIDTHS.

REVISION DETAILS	NAME	DATE
M RIGHT OF WAY DETAILS ADDED	NHT	09/21
N LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22
O DETAIL ADDED & PLANS COMPILED	JLG	05/22
P LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

**ISSUED**

	PROJECT	PROPOSED SUBDIVISION PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428, 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA <b>SCHEME PLAN - SHARED PATH LONGSECTION</b>	SCALE <b>A1 AS SHOWN</b> REDUCED SCALE A3 - AS SHOWN
	CLIENT	<b>MANSELL</b>	DRAWING NUMBER <b>22208 SCH1</b> SHEET <b>17</b> OF <b>25</b> SHEETS REVISION <b>Q</b>



- NOTES:**
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  2. COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC DATUM 2000, WANGANUI CIRCUIT.
  3. LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON VERTICAL DATUM 1953. ORIGIN OF LEVELS: OIT 11 DP 378541, SOURCED FROM LINZ ELLIPSOIDAL HEIGHT CONVERSION, NOVEMBER 2020.
  4. SURVEYED BY: N TAYLOR, R EVANS 05-11-2020.
  5. INSTRUMENT USED: TRIMBLE GPS RTK & DJI PHANTOM 4 PRO.

**LEGEND**

	BOUNDARY
	PROPOSED WHEEL STOPS ALONG EDGE OF SEAL
	EXISTING EDGE OF SEAL TO REMAIN
	EXISTING EDGE OF SEAL TO BE MODIFIED
	PROPOSED FOOTPATH
	PROPOSED/EXISTING STREETLIGHT

**ISSUED**



PROJECT **PROPOSED SUBDIVISION PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428, 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA**

**SCHEME PLAN - TIEKO STREET UPGRADE 01**

CLIENT **MANSELL**

REVISION DETAILS		NAME	DATE	SCALE	REDUCED SCALE
L	LOT 104 & RIGHT OF WAY AMENDED	NHT	08/21	A1 1:500	A3 - 1:1000
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21		
N	LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22		
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22		
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22		

FIELDWORK	NHT	07/19	DRAWING NUMBER <b>22208 SCH1</b>
DESIGNED	NHT	11/20	
DRAWN	NHT	11/20	SHEET <b>18</b> OF <b>25</b> SHEETS
CHECKED	NKT	11/20	
REVISION			<b>Q</b>



- NOTES:**
1. THIS PLAN IS FOR RESOURCE CONSENT PURPOSES & IS NOT TO BE RELIED UPON FOR ANY OTHER PURPOSE WITHOUT THE CONSENT OF CUTTRISS CONSULTANTS LIMITED.
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  3. LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON VERTICAL DATUM 1953. ORIGIN OF LEVELS: OIT # DP 378541, SOURCED FROM LINZ ELLIPSOIDAL HEIGHT CONVERSION, NOVEMBER 2020.
  4. SURVEYED BY: N TAYLOR, R EVANS 05-11-2020.
  5. INSTRUMENT USED: TRIMBLE GPS RTK & DJI PHANTOM 4 PRO.

**LEGEND**

	BOUNDARY
	PROPOSED WHEEL STOPS ALONG EDGE OF SEAL
	EXISTING EDGE OF SEAL TO REMAIN
	EXISTING EDGE OF SEAL TO BE MODIFIED
	PROPOSED FOOTPATH
	PROPOSED STREETLIGHT

ROAD MARKING TO BE ADJUSTED TO PROVIDE APPROPRIATE SIGHTLINE FOR NEW INTERSECTION



**ISSUED**

REVISION DETAILS		NAME	DATE	SCALE <b>A1 1:200</b>		REDUCED SCALE <b>A3 - 1:400</b>	
L	LOT 104 & RIGHT OF WAY AMENDED	NHT	08/21				
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21				
N	LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22	FIELDWORK	NHT	07/19	<b>DRAWING NUMBER</b> <b>22208 SCH1</b>
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22	DESIGNED	NHT	11/20	
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22	DRAWN	NHT	11/20	
				CHECKED	NKT	11/20	<b>SHEET 19 OF 25 SHEETS</b>
							<b>REVISION Q</b>



**ISSUED**

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  - INSTRUMENT USED: TRIMBLE GPS RTK & DJI PHANTOM 4 PRO.

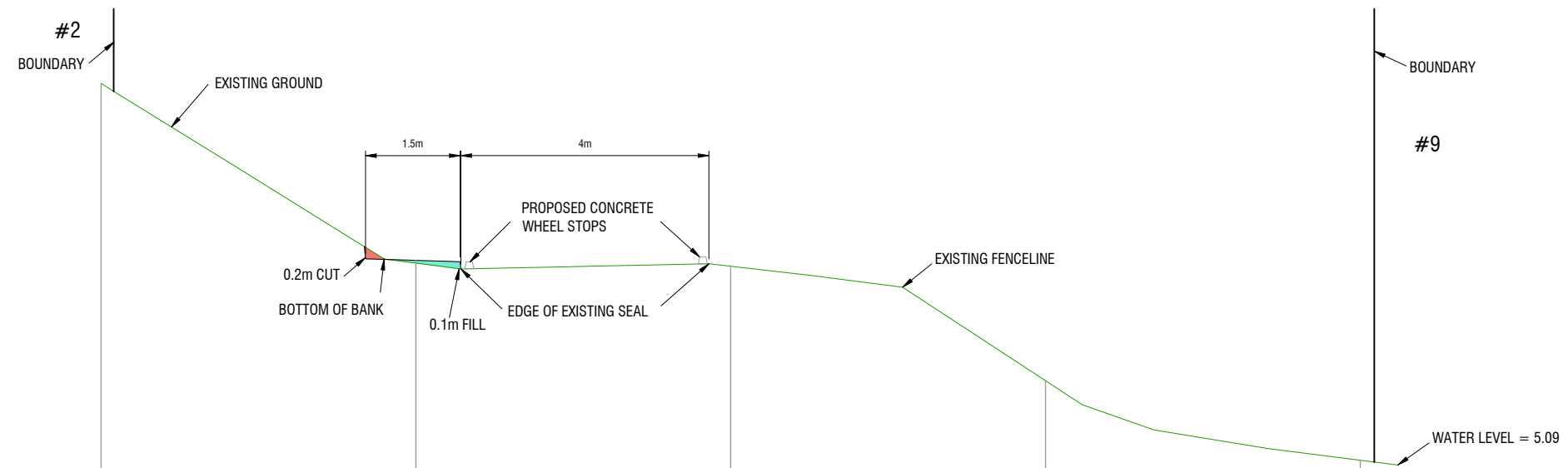
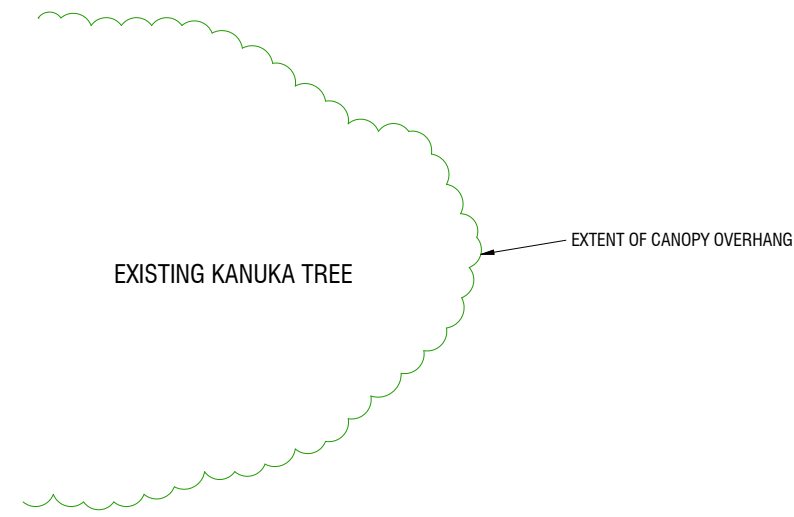
**LEGEND**

	BOUNDARY
	PROPOSED WHEEL STOPS ALONG EDGE OF SEAL
	EXISTING EDGE OF SEAL TO REMAIN
	EXISTING EDGE OF SEAL TO BE MODIFIED
	PROPOSED FOOTPATH
	PROPOSED STREETLIGHT
	PROPOSED STREET SIGN

REVISION DETAILS		NAME	DATE
L	LOT 104 & RIGHT OF WAY AMENDED	NHT	08/21
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22

SCALE <b>A1 1:100</b>		REDUCED SCALE <b>A3 - 1:200</b>	
FIELDWORK	NHT	07/19	<b>22208 SCH1</b>
DESIGNED	NHT	11/20	
DRAWN	NHT	11/20	SHEET <b>20</b> OF <b>25</b> SHEETS
CHECKED	NKT	11/20	REVISION <b>Q</b>



**A**  
SHT 19

CROSS SECTION AA DATUM = 4

DESIGN LEVEL		8.34			
GROUND LEVEL	11.15	8.3	8.25	6.43	5.17
CHAINAGE	0	5	10	15	20

**NOTES:**

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- SURVEYED BY: N TAYLOR, R EVANS 05-11-2020.
- INSTRUMENT USED: TRIMBLE GPS RTK & DJI PHANTOM 4 PRO.

**ISSUED**

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PROJECT PROPOSED SUBDIVISION PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428, 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

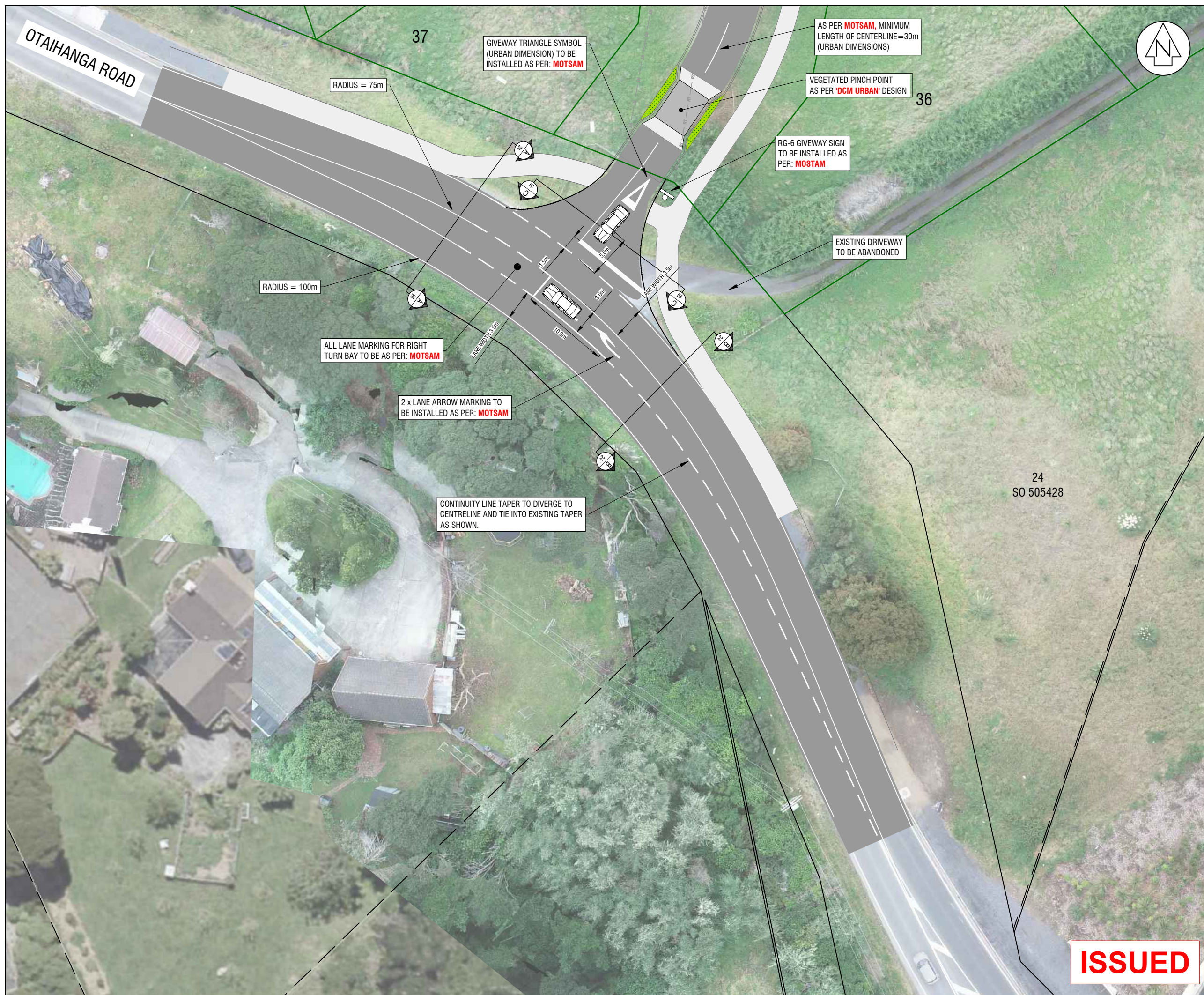
**SCHEME PLAN - TIEKO STREET - CROSS SECTION**

CLIENT

**MANSELL**

REVISION DETAILS		NAME	DATE	Copyright Cuttriss Consultants Limited	
L	LOT 104 & RIGHT OF WAY AMENDED	NHT	08/21	SCALE <b>A1 AS SHOWN</b>	REDUCED SCALE A3 - AS SHOWN
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21	FIELDWORK	NHT 07/19
N	LOTS REMOVED, BOUNDARY AMENDMENTS	NHT	04/22	DESIGNED	NHT 11/20
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22	DRAWN	NHT 11/20
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22	CHECKED	NKT 11/20

DRAWING NUMBER	
<b>22208 SCH1</b>	
SHEET	21 OF 25 SHEETS
REVISION	Q



OTAIHANGA ROAD

37

36

24  
SO 505428

RADIUS = 75m

RADIUS = 100m

GIVEWAY TRIANGLE SYMBOL (URBAN DIMENSION) TO BE INSTALLED AS PER: **MOTSAM**

AS PER **MOTSAM**, MINIMUM LENGTH OF CENTERLINE = 30m (URBAN DIMENSIONS)

VEGETATED PINCH POINT AS PER '**DCM URBAN**' DESIGN

RG-6 GIVEWAY SIGN TO BE INSTALLED AS PER: **MOSTAM**

EXISTING DRIVEWAY TO BE ABANDONED

ALL LANE MARKING FOR RIGHT TURN BAY TO BE AS PER: **MOTSAM**

2 x LANE ARROW MARKING TO BE INSTALLED AS PER: **MOTSAM**

CONTINUITY LINE TAPER TO DIVERGE TO CENTRELINE AND TIE INTO EXISTING TAPER AS SHOWN.



REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

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  - DIMENSIONS AND AREAS SHOWN ON THIS PLAN WILL BE SUBJECT TO FINAL LAND TRANSFER SURVEY AND DETAILED ENGINEERING DESIGN.
  - COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC 2000 DATUM, WANGANUI CIRCUIT.
  - LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON VERTICAL DATUM 1953. ORIGIN OF LEVELS: OIT II DP 82978 RL 5.806, ELLIPSOIDAL HEIGHT CONVERSION, 18 JULY 2019
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  - BOUNDARY INFORMATION HAS BEEN SOURCED FROM INFORMATION PROVIDED BY LINZ XML & HAS NOT BEEN VERIFIED ON SITE
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LEGEND  
 BOUNDARY  
 EASEMENT

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CLIENT  
**MANSELL**

PROJECT  
**PROPOSED SUBDIVISION**  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428  
 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

**SCHEME PLAN**  
**OTAIHANGA ROAD**  
**INTERSECTION DETAIL**

SCALE		REDUCED SCALE	
A1 - 1:200		A3 - 1:400	
NAME	DATE	DRAWING NUMBER	
FIELDWORK	NHT 07/19	22208 SCH1	
DESIGNED	NHT 11/20	SHEET 22 OF 25 SHEETS	
DRAWN	NHT 11/20	REVISION Q	
CHECKED	NKT 11/20		

**ISSUED**



REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

- NOTES:**
- THIS PLAN DEFINES THE TOPOGRAPHICAL NATURE & FEATURES OF THE SITE FOR RESOURCE CONSENT PURPOSES & IS NOT TO BE RELIED UPON FOR ANY OTHER PURPOSE WITHOUT THE CONSENT OF CUTTRISS CONSULTANTS LIMITED
  - DIMENSIONS AND AREAS SHOWN ON THIS PLAN WILL BE SUBJECT TO FINAL LAND TRANSFER SURVEY AND DETAILED ENGINEERING DESIGN.
  - COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC 2000 DATUM, WANGANUI CIRCUIT.
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  - BOUNDARY INFORMATION HAS BEEN SOURCED FROM INFORMATION PROVIDED BY LINZ XML & HAS NOT BEEN VERIFIED ON SITE
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**LEGEND**

	BOUNDARY
	EASEMENT
	SIGHTLINES - TURNING OUT

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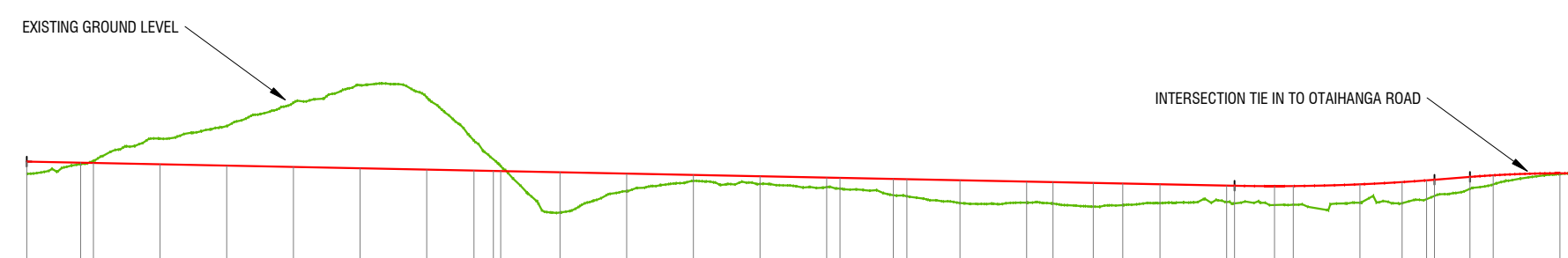
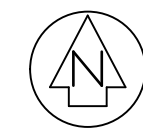
CLIENT  
**MANSELL**

PROJECT  
**PROPOSED SUBDIVISION**  
 PT LOT 6 DP 53191, LOTS 2-4 & PT LOT 5 DP 84524, PT LOTS 1 & 2 DP 303764, SECS 5, 7 & 12 SO 404971, SECS 25, 27 & 31 SO 505428  
 131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

**SCHEME PLAN**  
**OTAIHANGA ROAD**  
**SIGHT LINE DETAIL**

SCALE A1 - 1:400		REDUCED SCALE A3 - 1:800	
NAME	DATE	DRAWING NUMBER	
FIELDWORK	NHT 07/19	22208 SCH1	
DESIGNED	NHT 11/20	SHEET 23 OF 25 SHEETS	
DRAWN	NHT 11/20	REVISION	
CHECKED	NKT 11/20	Q	

**ISSUED**



DATUM RL = 1.5

VERTICAL GEOMETRY	G = 1 IN -100																				G = 1 IN 25		G = 1 IN -250														
HORIZONTAL GEOMETRY	L = 8.1m				R = 100m				L = 4m		R = 45m				L = 10m		R = 35m		L = 10.5m		R = 35m		L = 30.0m		L = 15.0m												
EXISTING GROUND LEVELS	9.49	10.22	10.46	12.13	13.08	14.83	16.15	15.24	11.98	10.58	10.08	6.59	8.18	8.96	8.73	8.49	8.38	7.89	7.81	7.30	7.33	7.26	7.03	7.14	7.29	7.32	7.29	7.59	7.83	8.36	8.70	9.47	9.52				
CUT OR FILL DEPTHS	0.92	0.10	-0.15	-1.93	-2.97	-4.82	-6.24	-5.43	-2.25	-0.87	-0.38	3.02	1.32	0.45	0.58	0.72	0.81	1.22	1.28	1.71	1.58	1.61	1.78	1.62	1.42	1.38	1.59	1.41	1.21	0.90	0.69	0.06	0.01				
DESIGN CENTRELINE LEVELS	10.41	10.33	10.31	10.21	10.11	10.01	9.91	9.81	9.74	9.71	9.70	9.61	9.51	9.41	9.31	9.21	9.19	9.11	9.09	9.01	8.91	8.87	8.81	8.76	8.71	8.70	8.70	8.87	9.00	9.05	9.26	9.38	9.53	9.53			
CHAINAGES (DESIGN CENTRELINE)	0.00	9.06	10.00	20.00	30.00	40.00	50.00	60.00	67.09	70.00	71.10	80.00	90.00	100.00	110.00	120.00	122.01	130.00	132.04	140.00	150.00	153.95	160.00	164.42	170.00	180.00	181.18	187.18	190.00	200.00	206.33	210.00	211.18	216.50	220.00	230.00	231.50

ROADING LONGSECTION (LOT 100)  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:250

REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

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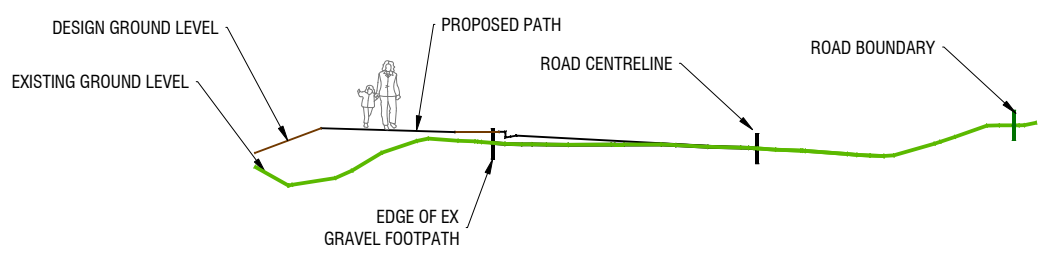
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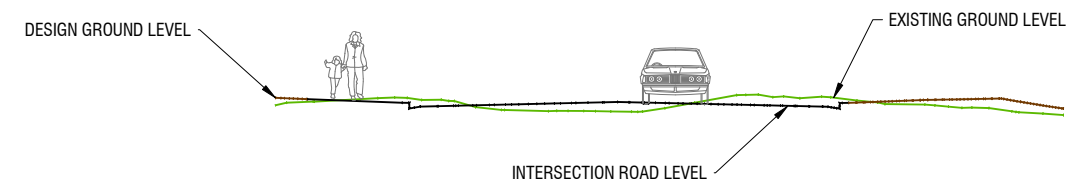
PROJECT  
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131-155 OTAIHANGA RD & 48-58 TIEKO ST, OTAIHANGA

**SCHEME PLAN  
ROAD LONGSECTION  
& CROSS SECTION DETAIL**

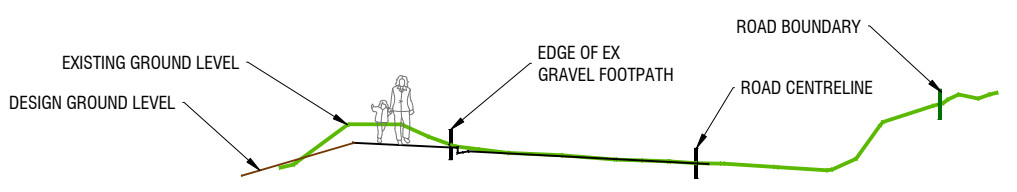
SCALE			REDUCED SCALE		
A1 - AS SHOWN			A3 - AS SHOWN		
NAME	DATE	DRAWING NUMBER	NAME	DATE	DRAWING NUMBER
FIELDWORK	NHT 07/19	22208 SCH1	NAME	DATE	REVISION
DESIGNED	NHT 11/20		NAME	DATE	REVISION
DRAWN	NHT 11/20	SHEET 24 OF 25 SHEETS	NAME	DATE	REVISION
CHECKED	NKT 11/20	REVISION	NAME	DATE	REVISION



**A OTAIHANGA ROAD INTERSECTION**  
SHT 22 1:100 (1:200 @ A3)



**C OTAIHANGA ROAD INTERSECTION**  
SHT 22 1:100 (1:200 @ A3)



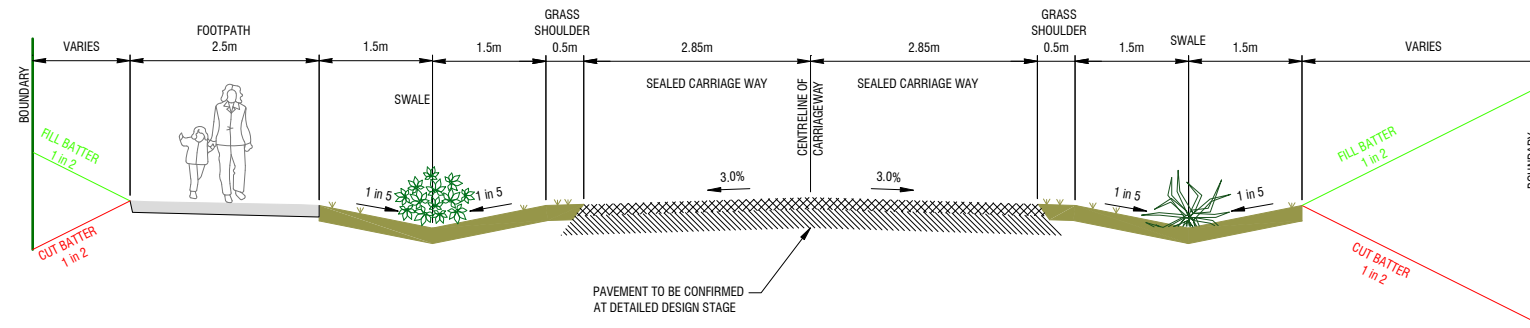
**B OTAIHANGA ROAD INTERSECTION**  
SHT 22 1:100 (1:200 @ A3)

**ISSUED**

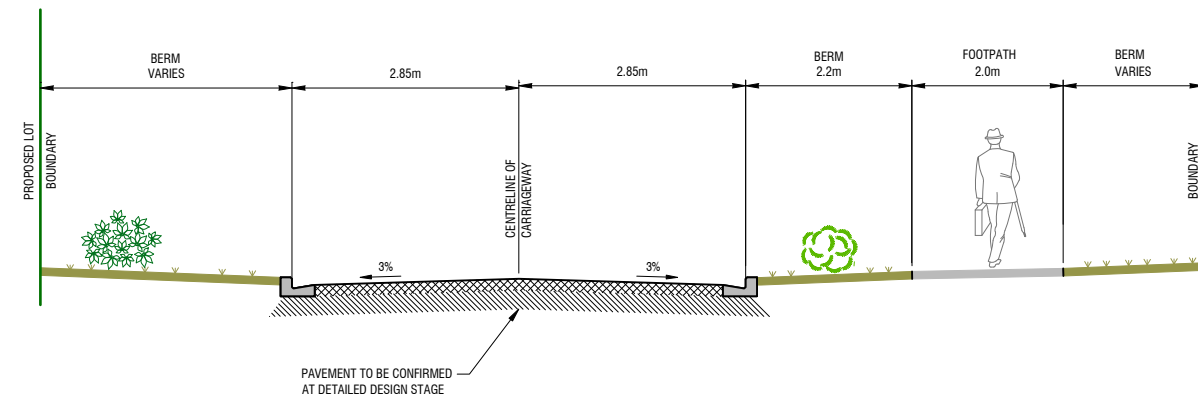


REVISION DETAILS		NAME	DATE
M	RIGHT OF WAY DETAILS ADDED	NHT	09/21
N	LOTS REMOVED, BOUNDARIES AMENDED	NHT	04/22
O	DETAIL ADDED & PLANS COMPILED	JLG	05/22
P	LOT 105 ADDED, EW CORRECTED	JLG	06/22
Q	LOT SIZES AND SAND DUNE ADJUSTMENTS	JLG	07/22

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  - CONTOUR INTERVAL: 1.0m
  - SURVEYED BY: N TAYLOR & S TURKINGTON, 18 JULY 2019
  - INSTRUMENT USED: TRIMBLE GPS RTK R10 VRS & DJI PHANTOM 4 PRO
  - BOUNDARY LEVELS FOR DETERMINATION OF CRITICAL RESSION PLANES MUST BE CONFIRMED PRIOR TO ANY APPLICATION FOR BUILDING CONSENT
  - BOUNDARY INFORMATION HAS BEEN SOURCED FROM INFORMATION PROVIDED BY LINZ XML & HAS NOT BEEN VERIFIED ON SITE
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  - PLANTING DETAIL TO BE CONFIRMED BY LANDSCAPE ARCHITECT



**A** TYPICAL ROAD CROSS SECTION - SWALE  
SHT 13 1:50 (1:100 @ A3)



**B** TYPICAL ROAD CROSS SECTION - KERB & CHANNEL  
SHT 13 1:50 (1:100 @ A3)

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**SCHEME PLAN  
TYPICAL ROAD  
CROSS SECTIONS**

SCALE <b>A1 - 1:50</b>		REDUCED SCALE <b>A3 - 1:100</b>	
NAME	DATE	DRAWING NUMBER	
FIELDWORK	NHT 07/19	<b>22208 SCH1</b>	
DESIGNED	NHT 11/20	SHEET 25 OF 25 SHEETS	
DRAWN	NHT 11/20	REVISION	
CHECKED	NKT 11/20	<b>Q</b>	

**ISSUED**