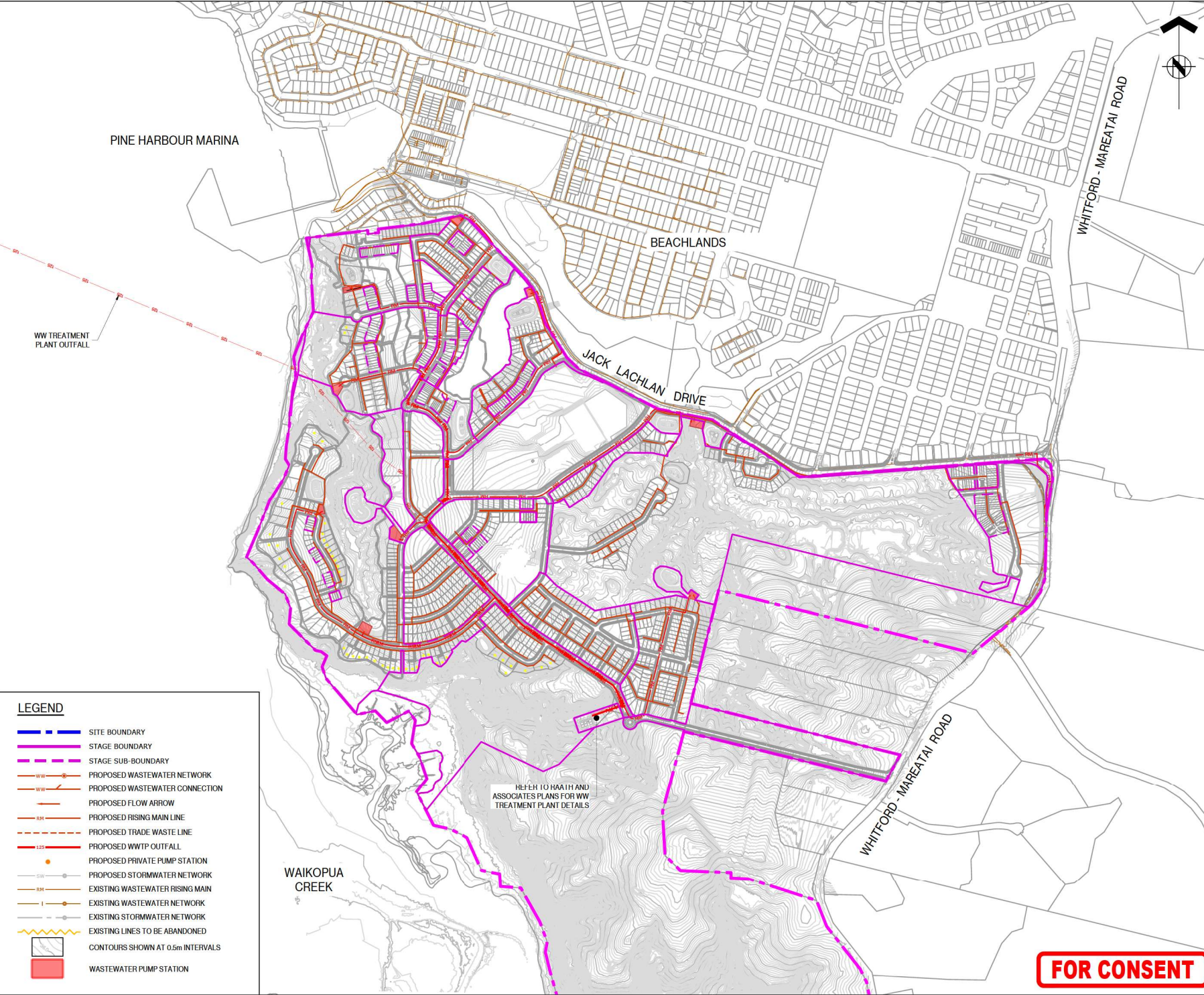






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NOTES

- REFER TO DRAWING A2515591.00-5000 FOR LEGEND.
- ALL WASTEWATER WORK TO BE COMPLIANT WITH THE BUILDING CODE AND WATERCARE SERVICES LIMITED CODE OF PRACTICE.
- ALL EXISTING SERVICES NEED TO BE LOCATED, MARKED AND CONFIRMED PRIOR TO WORK COMMENCING ON SITE.
- REFER TO PARTICULAR SPECIFICATION WITHIN THE CONTRACT DOCUMENT FOR AS-BUILTING REQUIREMENTS AND CONSTRUCTION DETAILS.
- PIPE LENGTH IS LENGTH OF PIPE AT GRADE BETWEEN CENTRE OF MANHOLES.
- HARDFILL BACKFILL ALL TRENCHES BELOW CARRIAGEWAY AND AS SHOWN WITH GAPES.
- ALL MANHOLES ARE TO BE 1050mm Ø WITH HEAVY DUTY LIDS AND CAST IRON COVERS IN PAVEMENT AREAS, UNLESS OTHERWISE STATED.
- WASTEWATER MANHOLES SHALL BE FITTED WITH A STAINLESS STEEL SAFETY GRILLE SUPPORTED BY THE MANHOLE FRAME, AND CAPABLE OF CARRYING A 100kg POINT LOAD ANYWHERE. THE GRILLE SHALL HAVE A PATTERN WITH OPENINGS THAT WILL NOT PASS A 150mm DIAMETER SPHERE.
- POLYSTYRENE PACK BETWEEN ANY CROSS OVERS WITH CLEARANCE LESS THAN 300mm.
- ALL WORK DEEMED BY THE ENGINEER OR AUCKLAND COUNCIL OFFICERS AS BEING SUBSTANDARD WORK SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE.
- ALL WORKS ON CONNECTIONS TO WATERCARE WASTEWATER NETWORKS TO BE CARRIED OUT BY WATERCARE AT DEVELOPERS EXPENSE.
- ALL GRAVITY PIPES TO BE DN150 PVC-U S/N16 UNLESS OTHERWISE STATED.
- ALL LOTS HAVE 100/150mm LOT CONNECTIONS AS PER SWCoP TBC AT DETAILED DESIGN.
- REFER TO DRAWING A 2515591.00-0016 FOR STAGE DETAILS.
- REFER TO DRAWINGS A2515591.00-5300 FOR WASTEWATER PUMP STATION DETAILS.

B	BOUNDARY CHANGE STAGE 16	ENW	08/2026
A	FOR CONSENT	CJM	02/2026
REF	REVISIONS	BY	DATE

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PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

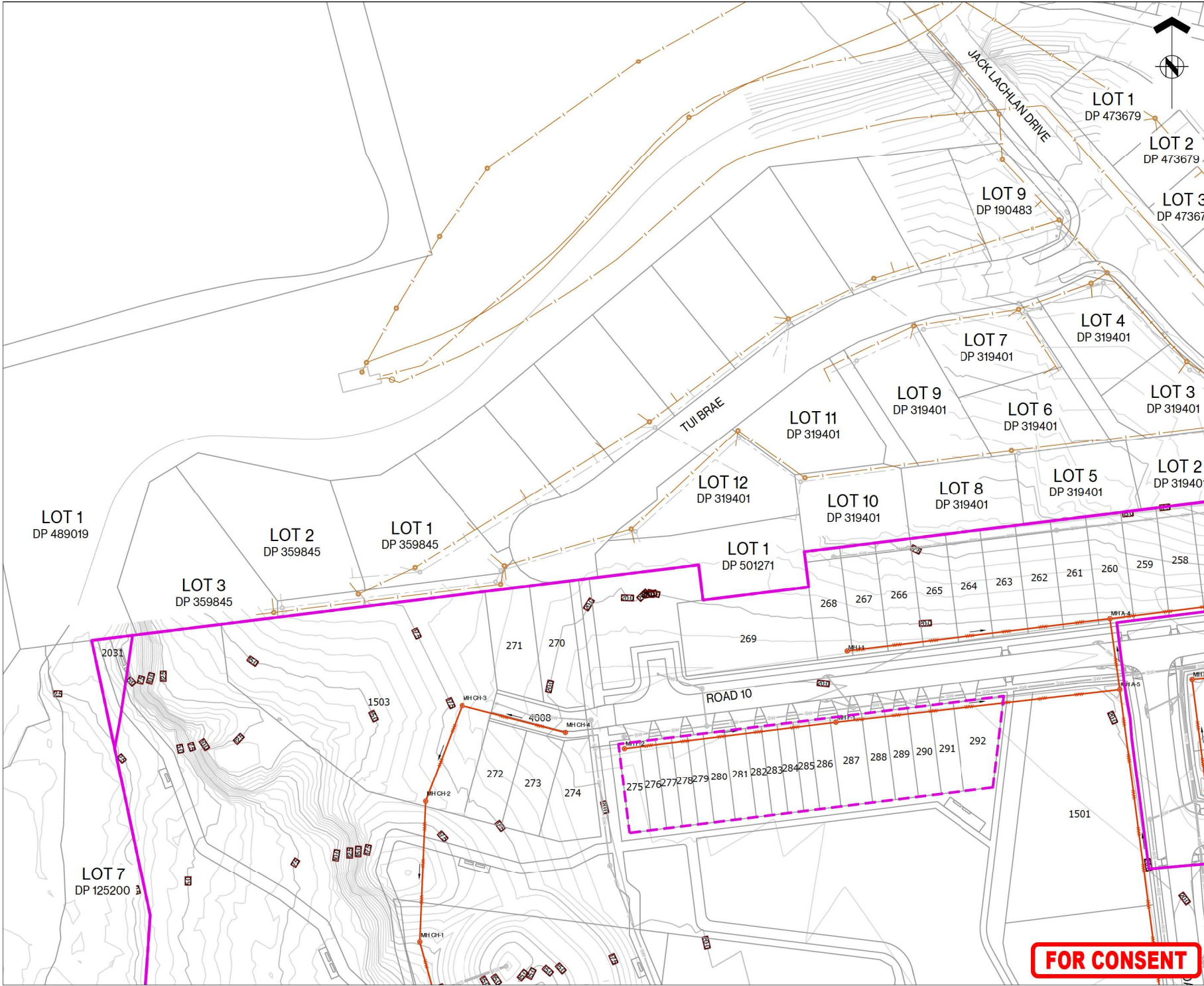
TITLE:
WASTEWATER OVERALL
LAYOUT PLAN

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	PLOT BY:
DRAWN: SCT	DATE: 11/2025	SIGNED:	PLOT DATE:
CHECKED: PZS	DATE: 04/2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 04/2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:
PROJECT No: A115000
SCALE: A3 1:10000
DRAWING No: A2515591.00-5000
REV: B

FAST TRACK CONSENT

FOR CONSENT



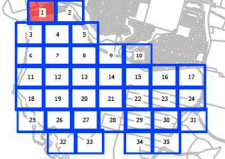


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BEACHLANDS SOUTH, AUCKLAND

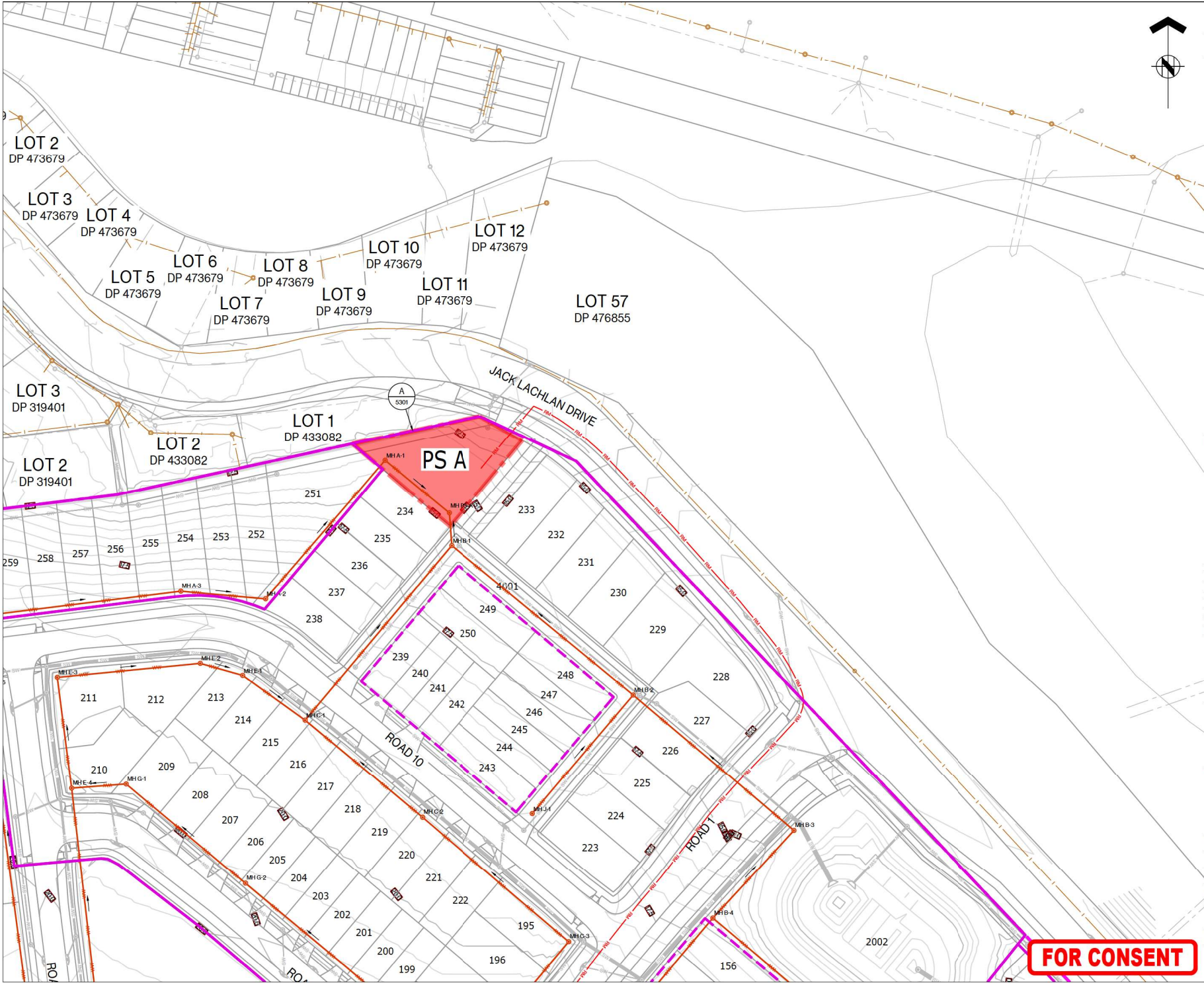
TITLE:
WASTEWATER LAYOUT PLAN
SHEET 1 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	PLOT BY:
DRAWN: SCT	DATE: 11/2025	SIGNED:	PLOT DATE:
CHECKED: PZS	DATE: 04/2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 04/2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:
FAST TRACK CONSENT

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DRAWING No: A2515591.00-5001	REV	A

FOR CONSENT



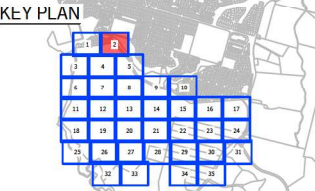


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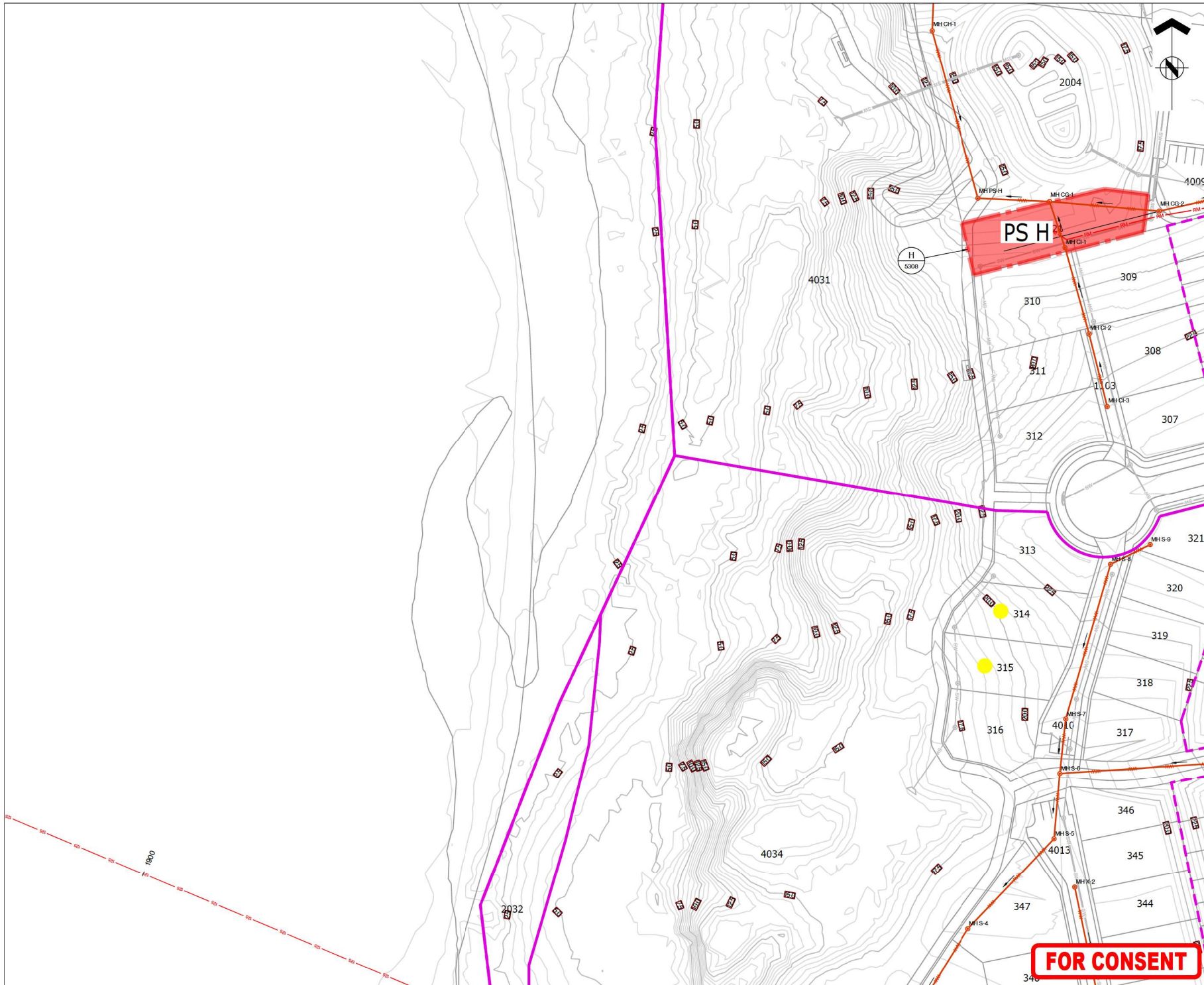
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PROJECT:
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BEACHLANDS SOUTH, AUCKLAND

TITLE:
WASTEWATER LAYOUT PLAN
SHEET 2 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	PLOT BY: CJM
DRAWN: SCT	DATE: 11/2025	SIGNED:	PLOT DATE: 12/08/26
CHECKED: PZS	DATE: 04/2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 04/2026	SIGNED:	SURVEY DATE:

FAST TRACK CONSENT			
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DRAWING No:		REV	
A2515591.00-5002		A	



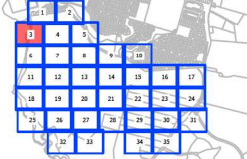


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BEACHLANDS SOUTH, AUCKLAND

TITLE:
WASTEWATER LAYOUT PLAN
SHEET 3 OF 35

ORIGINATOR	DATE	SIGNED	PLAT BY
SCT	04/2026		CJM

DRAWN	DATE	SIGNED	PLAT DATE
SCT	11/2025		12/08/26

CHECKED	DATE	SIGNED	SURVEY BY
PZS	04/2026		

APPROVED	DATE	SIGNED	SURVEY DATE
CJM	04/2026		

ISSUE STATUS:
FAST TRACK CONSENT

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DRAWING No:	REV
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FOR CONSENT

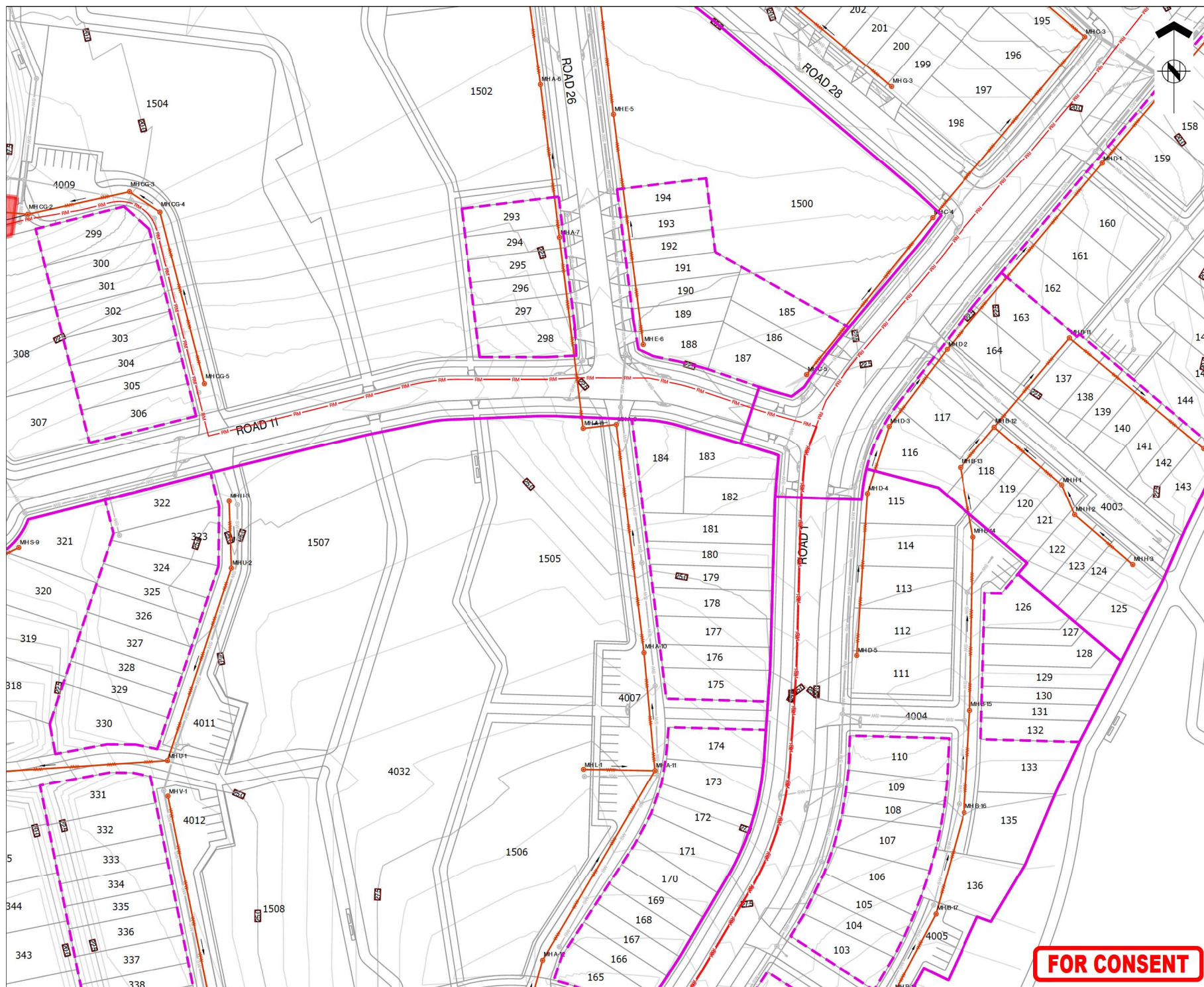


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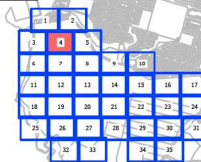
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PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

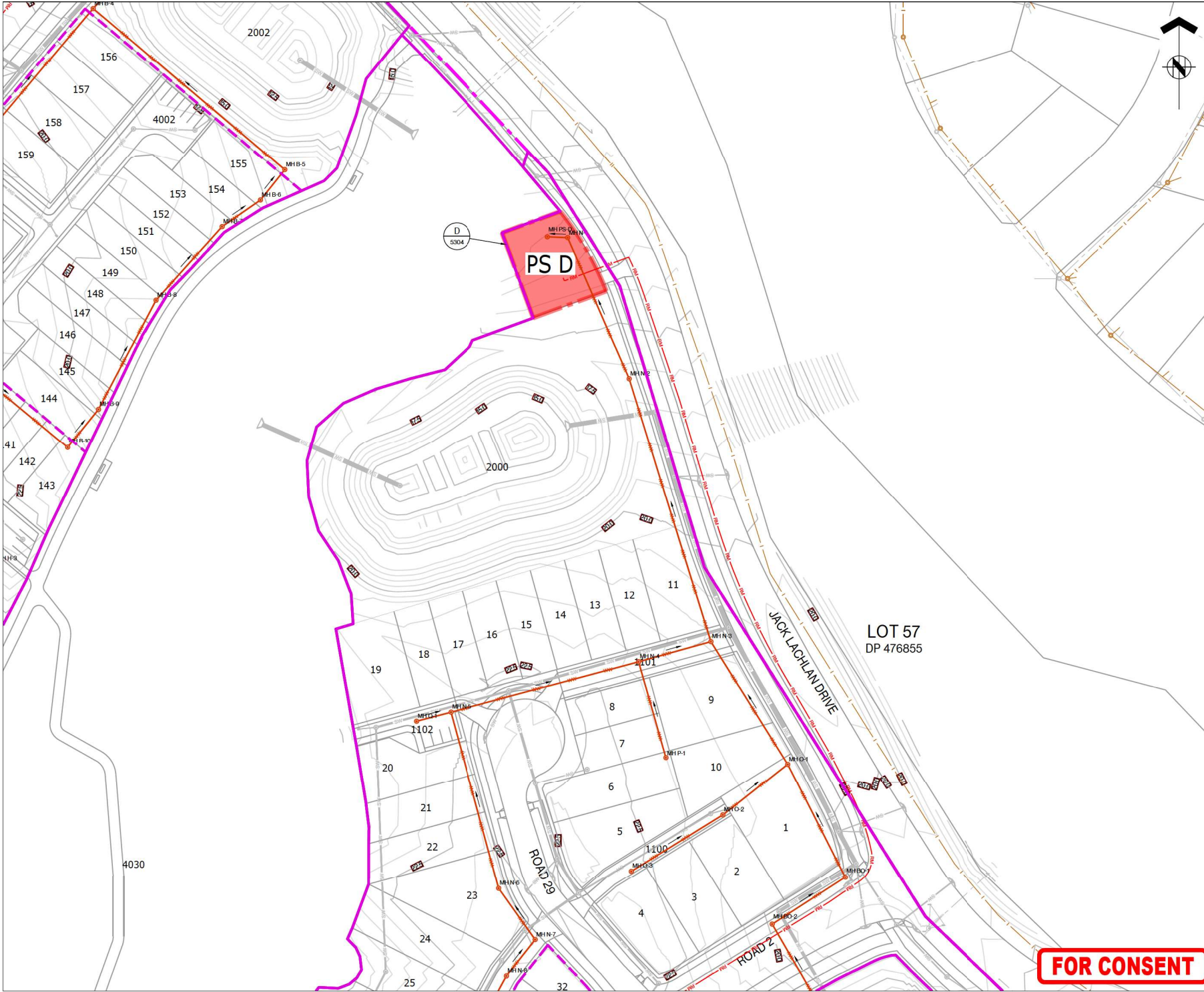
WASTEWATER LAYOUT PLAN
SHEET 4 OF 35

ORIGINATOR: SCT	DATE: 04.2026	SIGNED:	PLOT BY: CJM
DRAWN: SCT	DATE: 11.2025	SIGNED:	PLOT DATE: 12.08.2025
CHECKED: PZS	DATE: 04.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 04.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	A1
DRAWING No: A2515591.00-5004		REV A

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PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
WASTEWATER LAYOUT PLAN
SHEET 5 OF 35

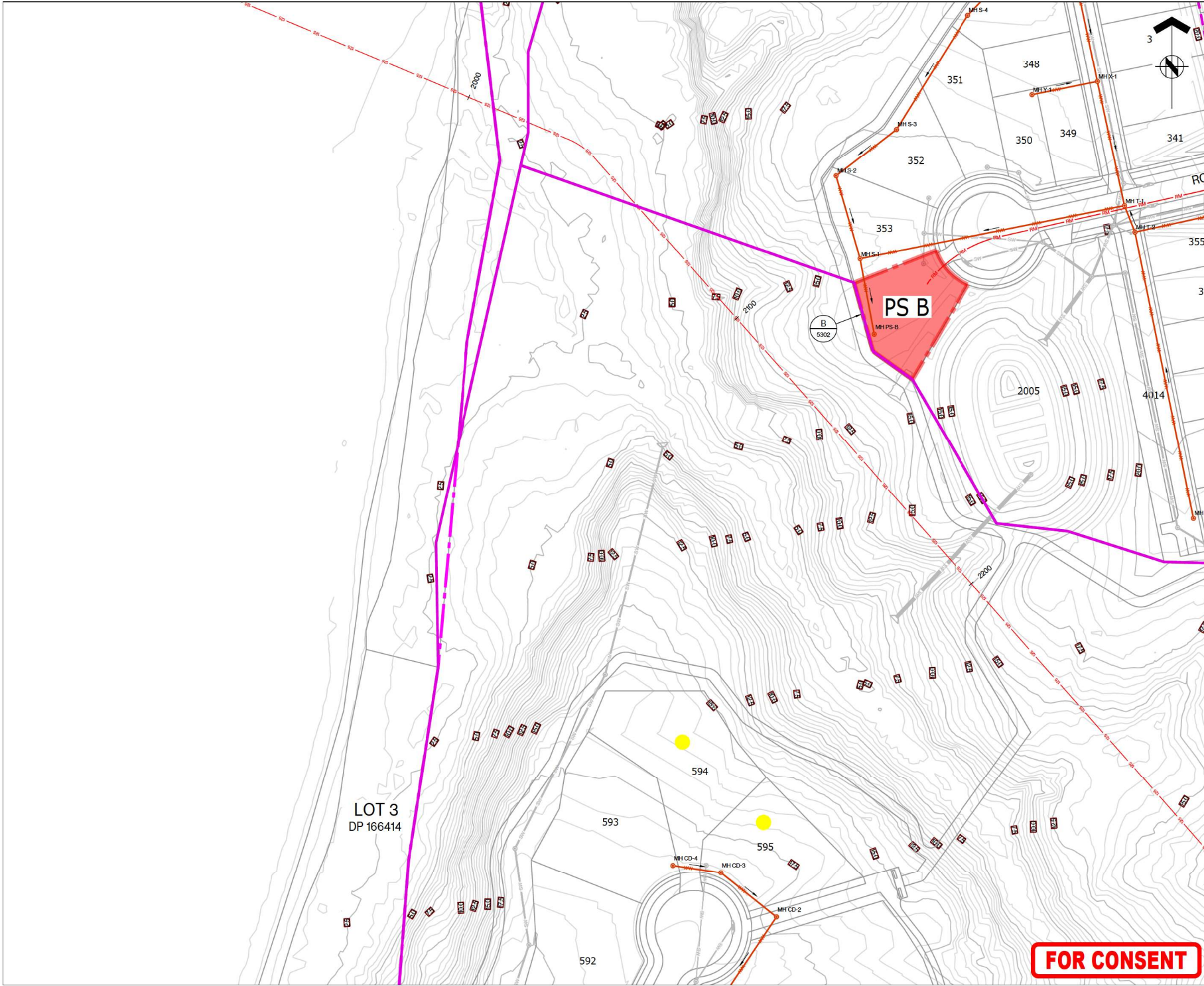
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APPROVED: CJM	DATE: 04/2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT NO: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV
DRAWING NO:		

A2515591.00-5005 A

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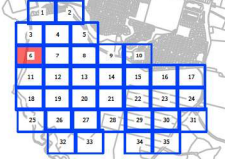


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KEY PLAN


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PROJECT:
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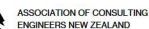
TITLE:
WASTEWATER LAYOUT PLAN
SHEET 6 OF 35

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
SCT	04/2026		CJM
DRAWN:	DATE:	SIGNED:	PLOT DATE:
SCT	11/2025		12/08/20
CHECKED:	DATE:	SIGNED:	SURVEY BY:
PZS	04/2026		
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
CJM	04/2026		

ISSUE STATUS:
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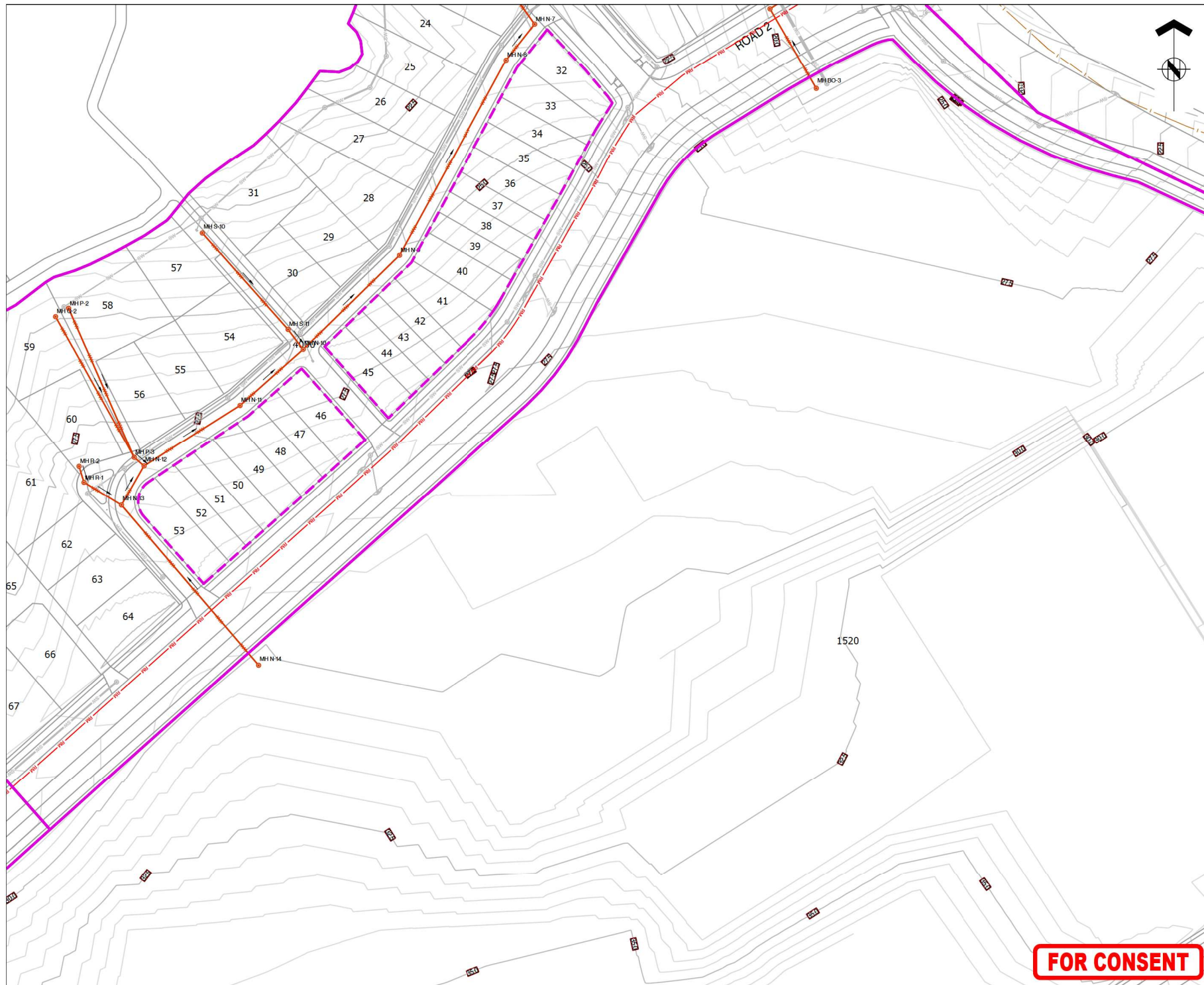
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A2515591.00	A1 1:500 A3 1:1000		
DRAWING No:			
A2515591.00-5006			A

FOR CONSENT

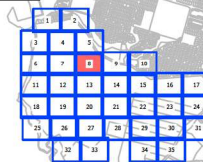


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PROJECT:

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

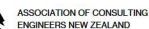
WASTEWATER LAYOUT PLAN
SHEET 8 OF 35

ORIGINATOR: SCT	DATE: 04.2026	SIGNED:	PLOT BY: CJM
DRAWN: SCT	DATE: 11.2025	SIGNED:	PLOT DATE: 12.08.26
CHECKED: PZS	DATE: 04.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 04.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS:

FAST TRACK CONSENT

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DRAWING No: A2515591.00-5008		REV A



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LOT 500
DP 476855

A map showing Kahawairahi Avenue, a road with a dashed center line and solid outer lines. The road is labeled 'KAHAWAIRAHI AVENUE' in bold, uppercase letters. The map also shows other roads, including a road labeled '2' and a road labeled '1'. There are also some small circles and lines indicating other features on the map.

LOT 3
DP 476855

LOT 2
DP 476855

LOT 1
DP 476855

LOT 21
DP 476855

LOT 22
DP 476855

LOT 23
DP 476855

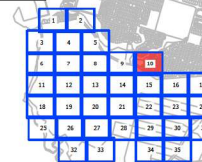
LOT 24
DP 476855

LOT 25
DP 476855

LOT 26
DP 476855

FOR CONSENT

KEY PLAN



A	FOR CONSENT	CJM	02/20/
REF	REVISIONS	BY	DATE

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LAYOUT PLAN
SHEET 10 OF 35

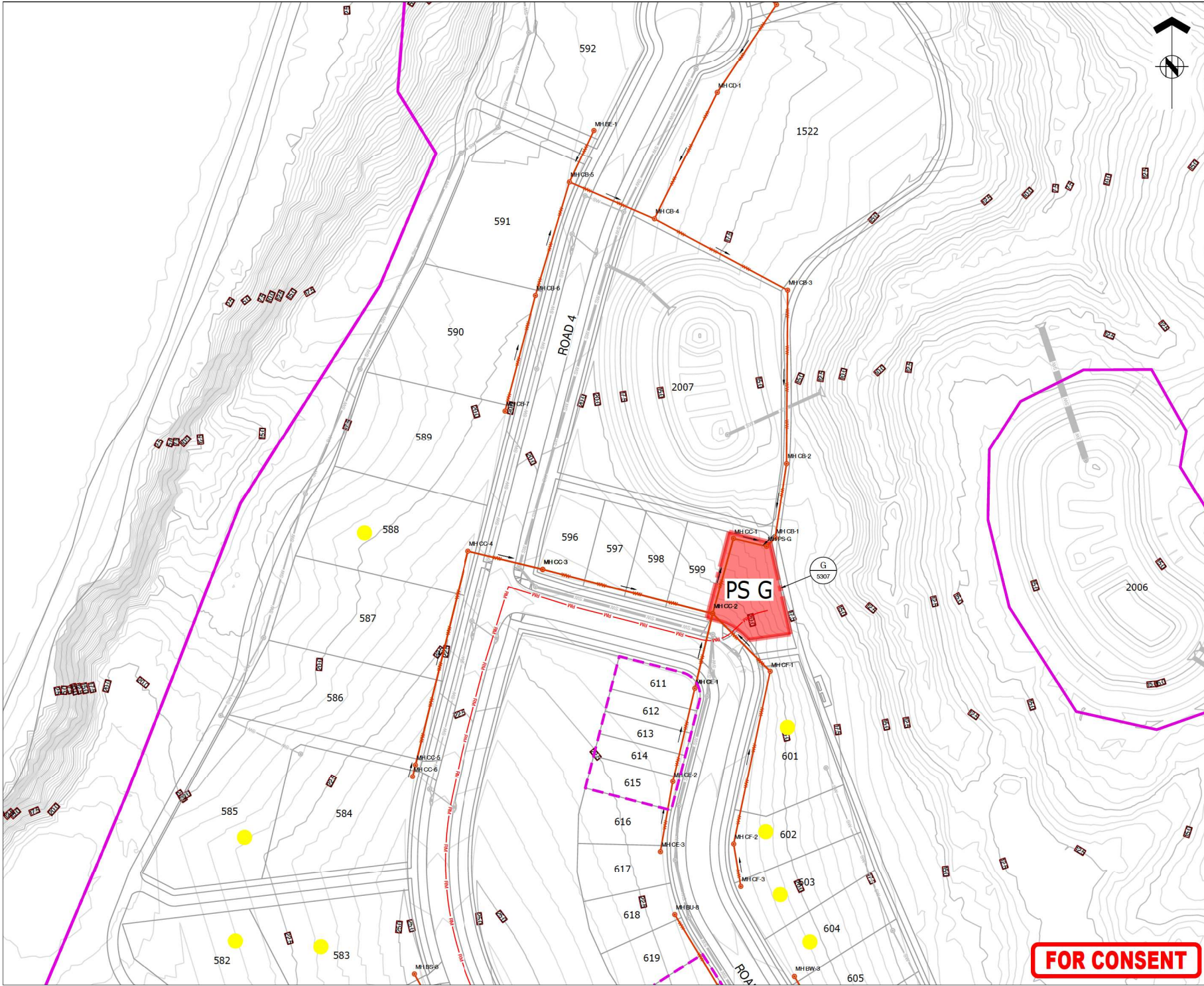
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CHECKED: PZS	DATE: 04.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 04.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A2515501.00	SCALES: A1 1:500 A3 1:1000	A1
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A2515591.000	A3 E1000	
DRAWING No:		REV

A2515591.00-5010	A
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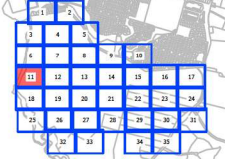


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KEY PLAN


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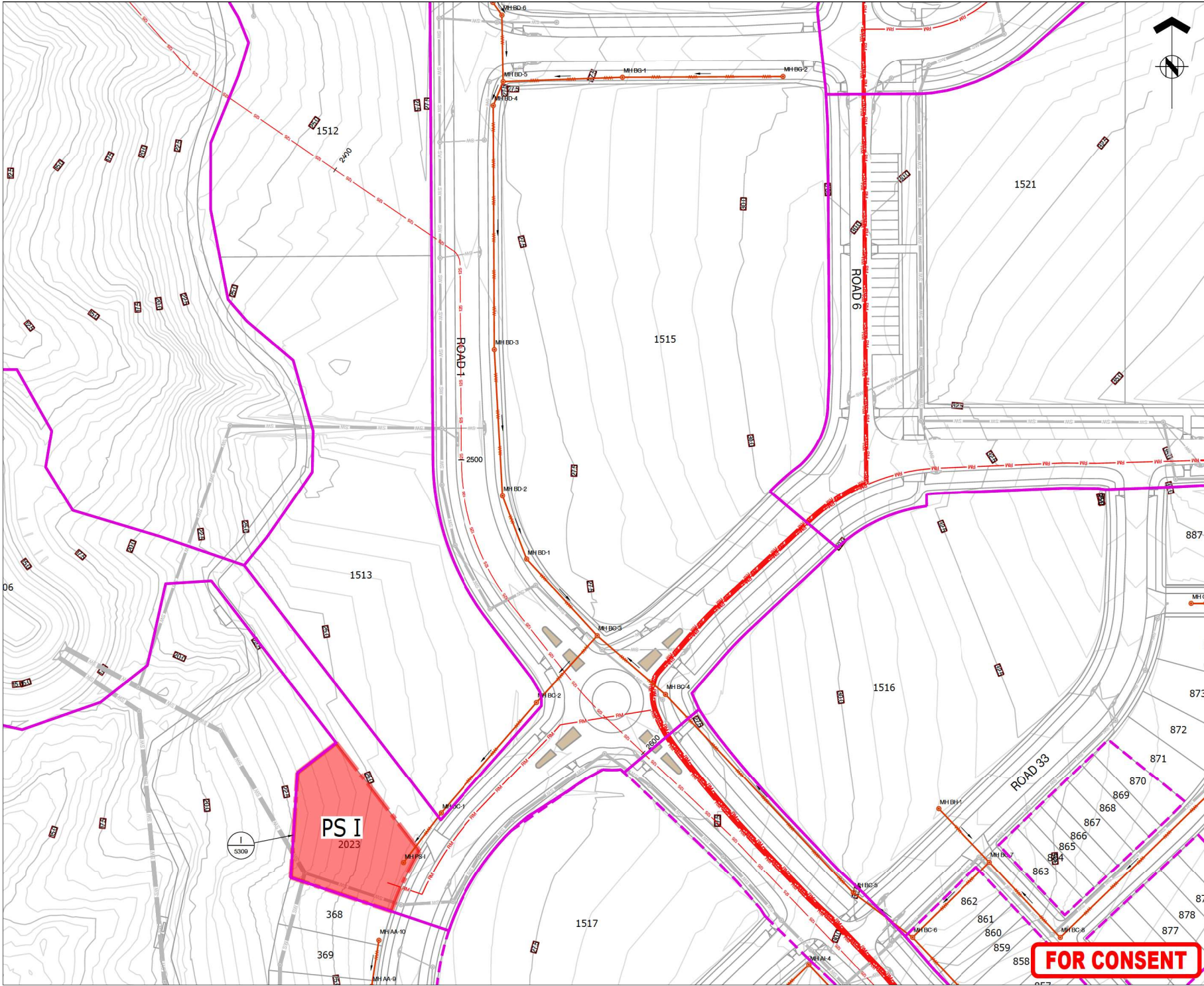
PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

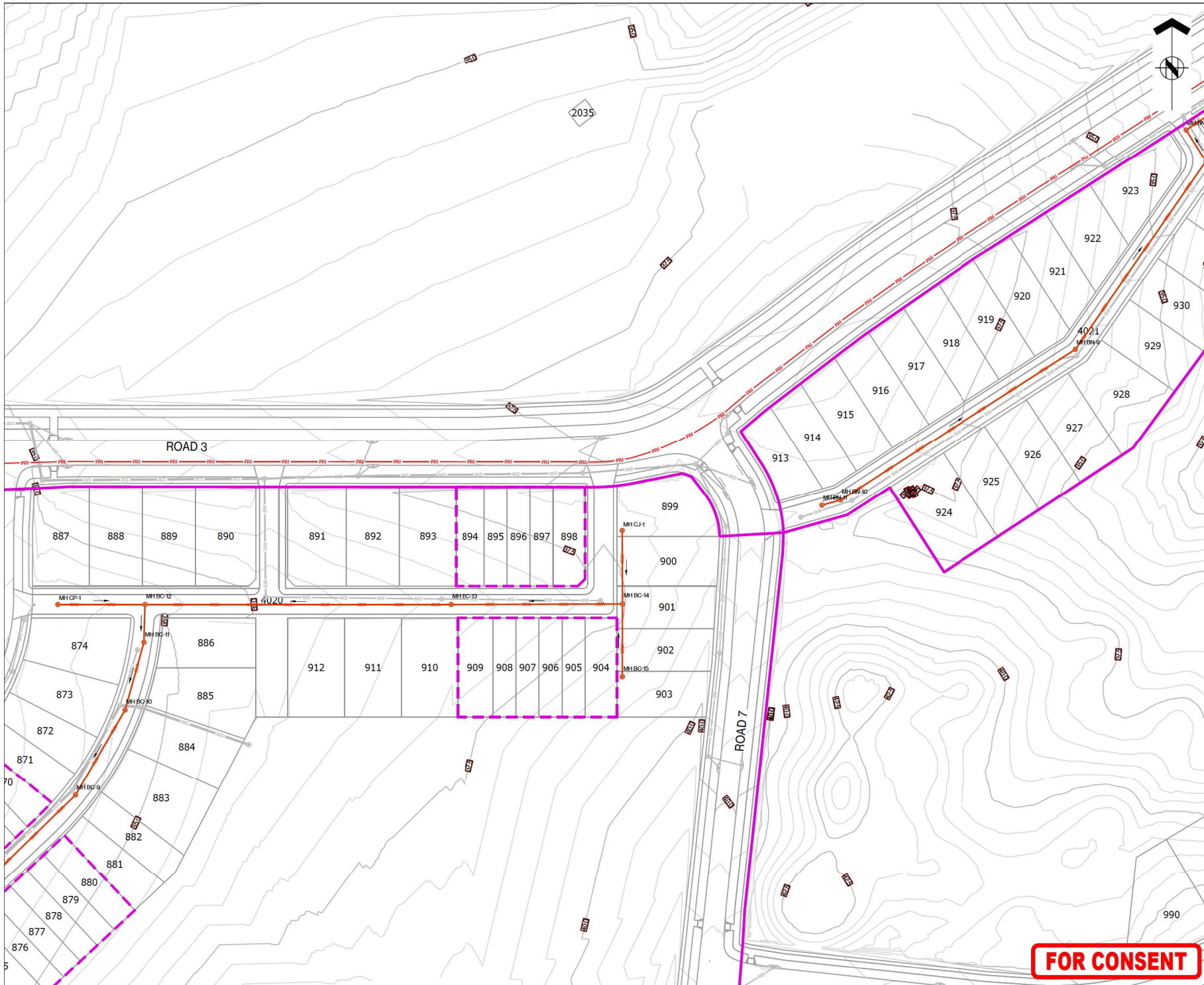
TITLE:
WASTEWATER LAYOUT PLAN
SHEET 11 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	PLOT BY: CJM
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CHECKED: PZS	DATE: 04/2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 04/2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:
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DRAWING No: A2515591.00-5011		REV A





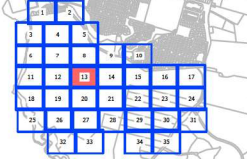


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REF	REVISIONS	BY	DATE

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BEACHLANDS SOUTH, AUCKLAND

TITLE:
WASTEWATER LAYOUT PLAN
SHEET 13 OF 35

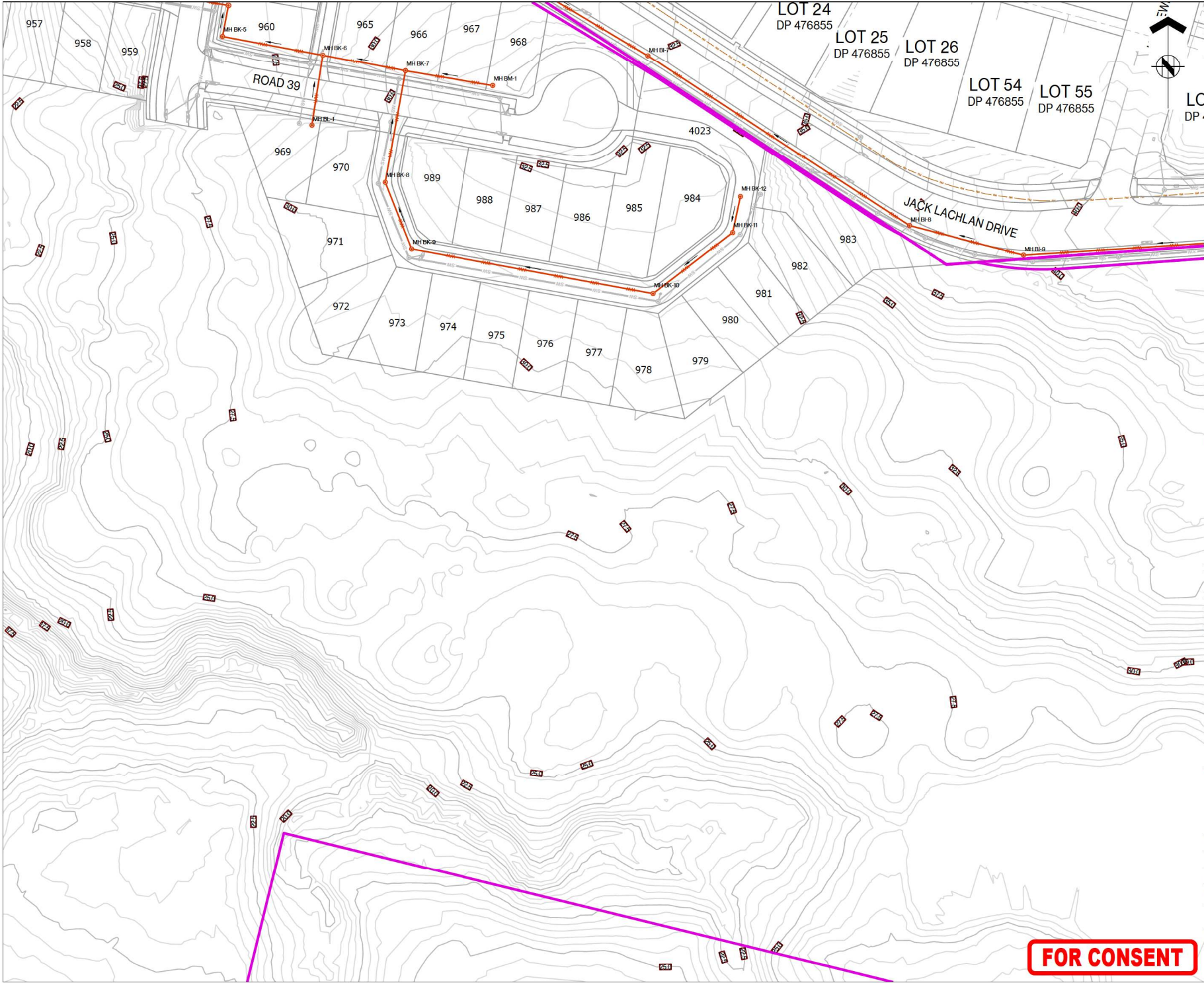
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CHECKED: J25	DATE: 04.2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 04.2026	SIGNED:	SURVEYED DATE:

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV A
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A2515591.00-5013 A

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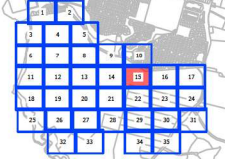
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KEY PLAN



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PROJECT:
BEACHLANDS
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BEACHLANDS SOUTH, AUCKLAND

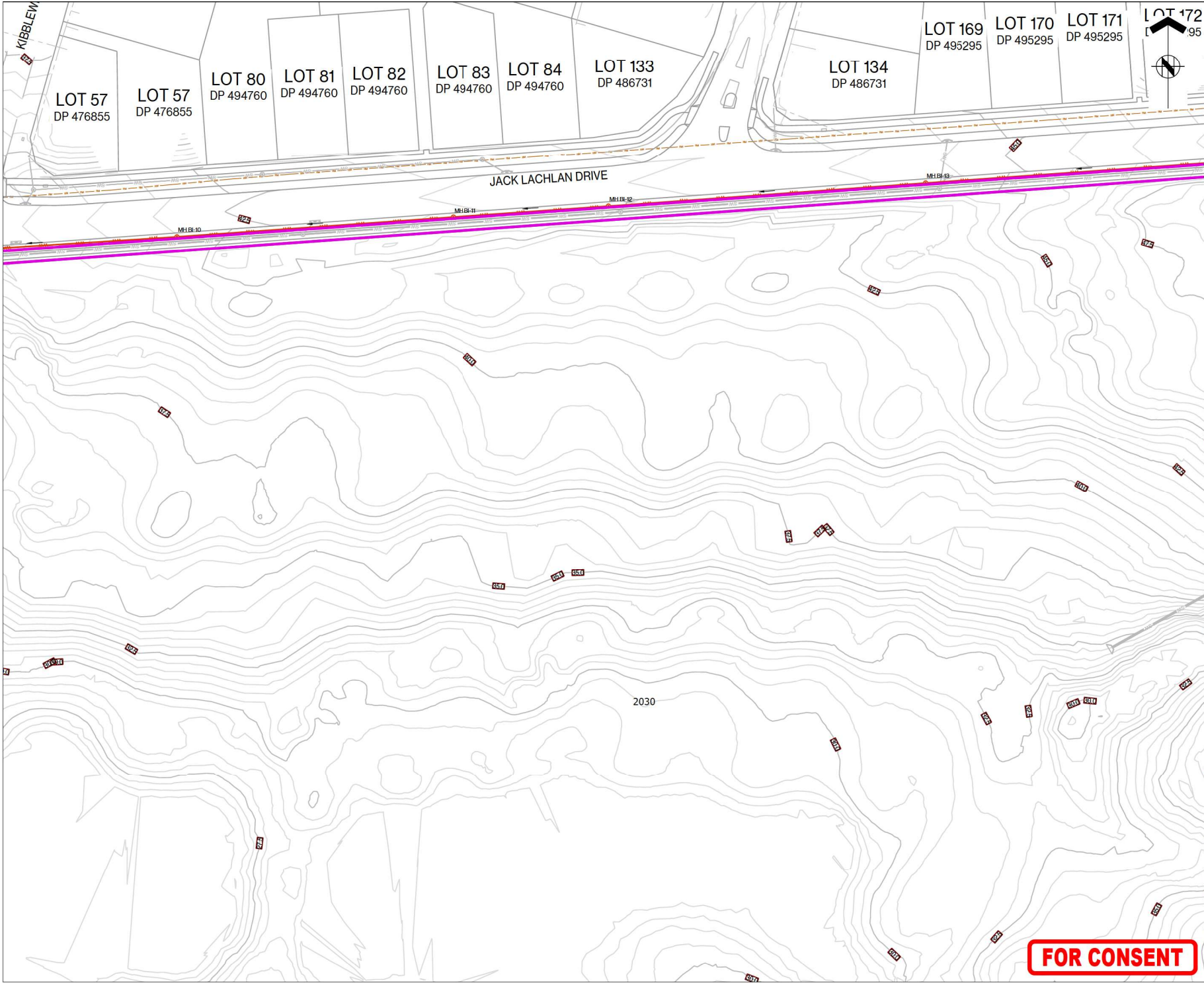
TITLE:
WASTEWATER LAYOUT PLAN
SHEET 15 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	DATE: 04/2026	PLotted BY: CJM
DRAWN: SCT	DATE: 11/2025	SIGNED:	DATE: 04/2026	PLotted DATE: 12/08/26
CHECKED: PZS	DATE: 04/2026	SIGNED:	DATE: 04/2026	SURVEYED BY: SURVEYED DATE
APPROVED: CJM	DATE: 04/2026	SIGNED:	DATE: 04/2026	SURVEYED DATE

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV A
DRAWING No: A2515591.00-5015		REV A

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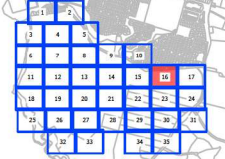


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KEY PLAN


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PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
WASTEWATER LAYOUT PLAN
SHEET 16 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	PLOT BY: CJM
DRAWN: SCT	DATE: 11/2025	SIGNED:	PLOT DATE: 12/08/26
CHECKED: PZS	DATE: 04/2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 04/2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:
FAST TRACK CONSENT

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DRAWING No: A2515591.00-5016		REV A

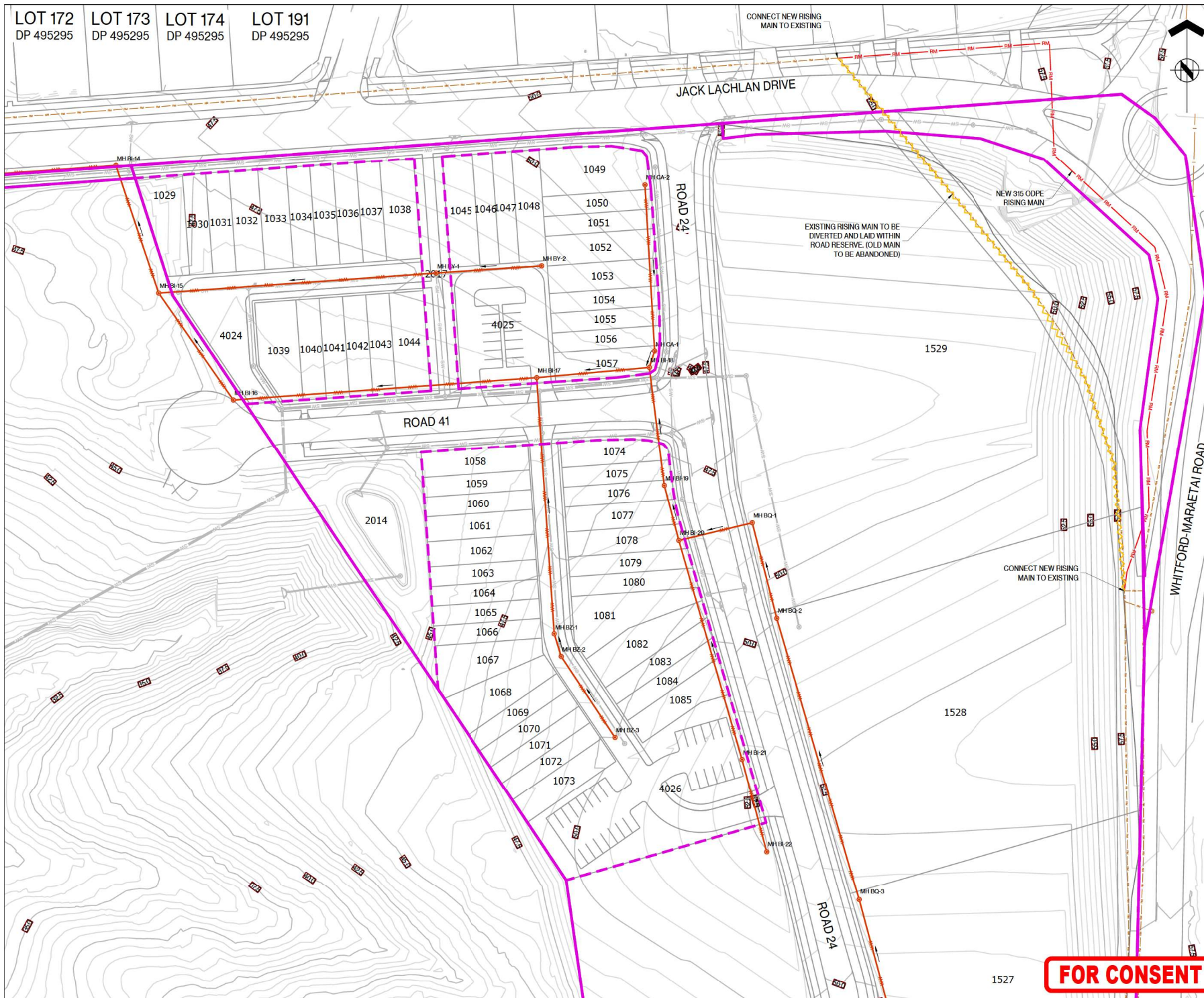
FOR CONSENT

LOT 172
DP 495295

LOT 173
DP 495295

LOT 174
DP 495295

LOT 191
DP 495295





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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LAYOUT PLAN
SHEET 17 OF 35

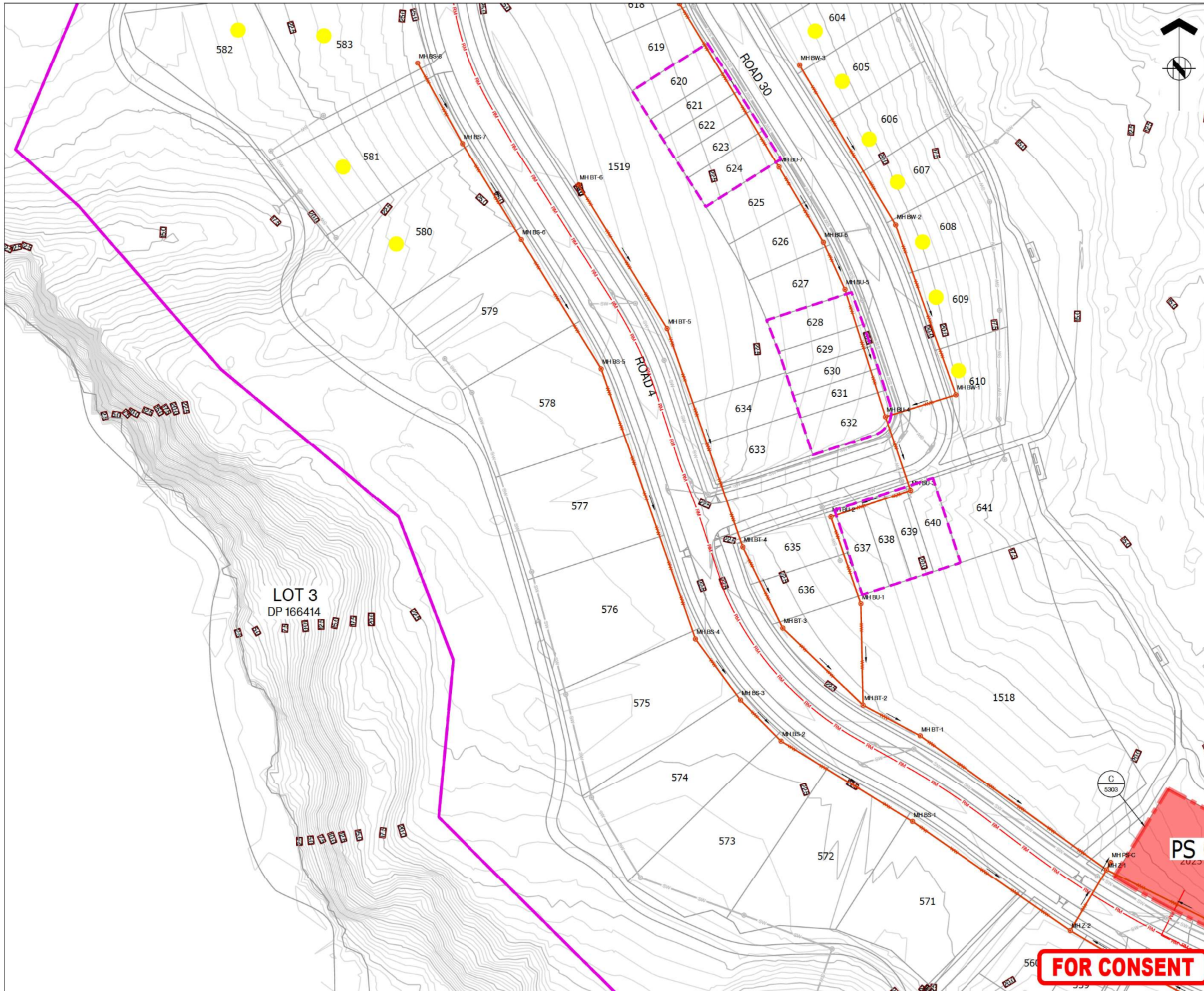
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SCT	04/2026		CJM
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CHECKED:	DATE:	SIGNED:	SURVEY BY:
PZS	04/2026		
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
CJM	04/2026		

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:500 A3 1:1000	
DRAWING No:	REV	
A2515591.00-5017	A	

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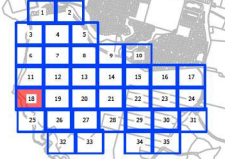


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BEACHLANDS SOUTH, AUCKLAND

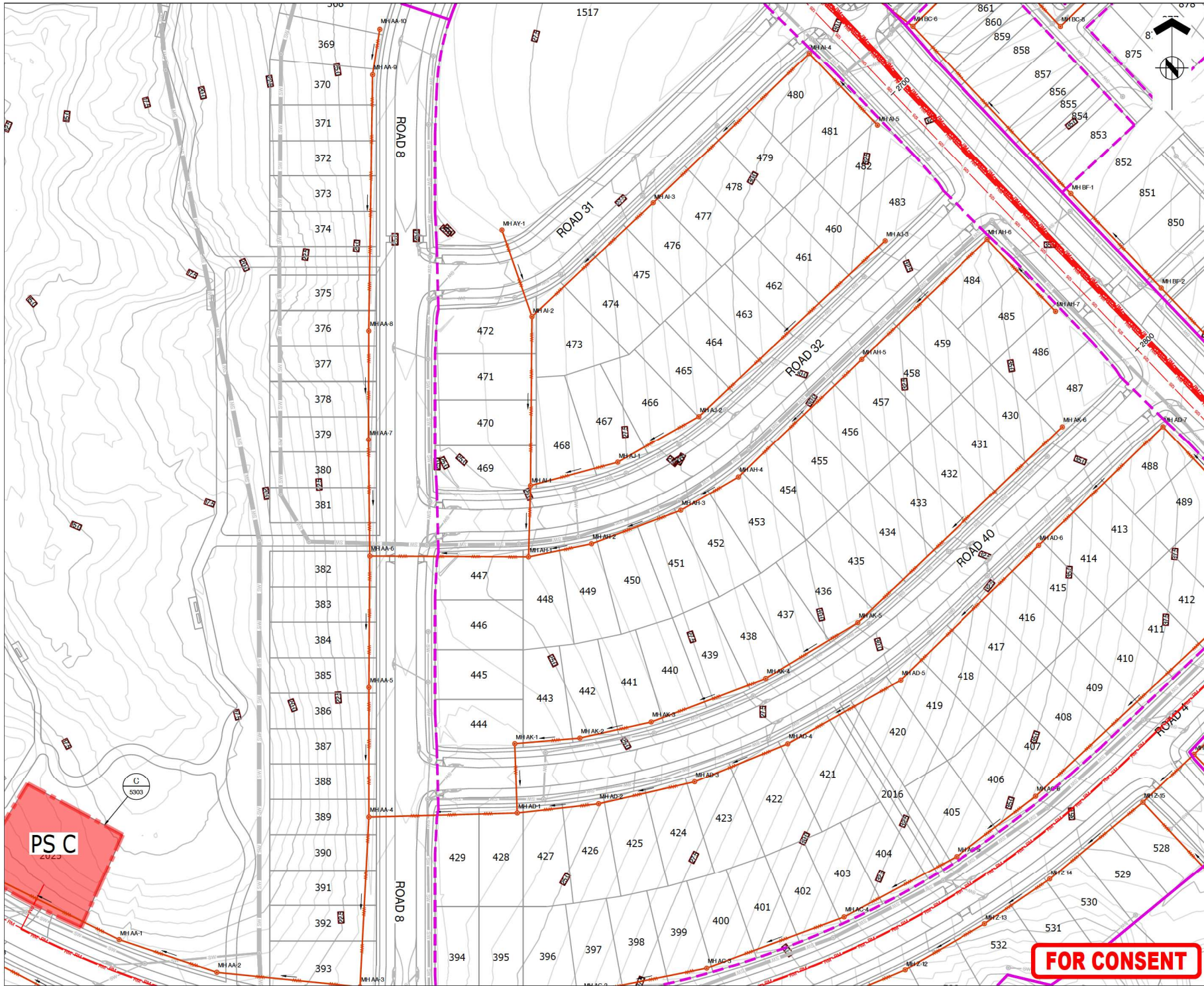
TITLE:
WASTEWATER LAYOUT PLAN
SHEET 18 OF 35

ORIGINATOR SCT	DATE: 04.2026	SIGNED:	PLOT BY:	CJM
DRAWN SCT	DATE: 11.2025	SIGNED:	PLOT DATE:	12.08.26
CHECKED PZS	DATE: 04.2026	SIGNED:	SURVEY BY:	
APPROVED CJM	DATE: 04.2026	SIGNED:	SURVEY DATE:	

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV A2515591.00-5018	A
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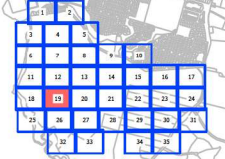


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PROJECT:
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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

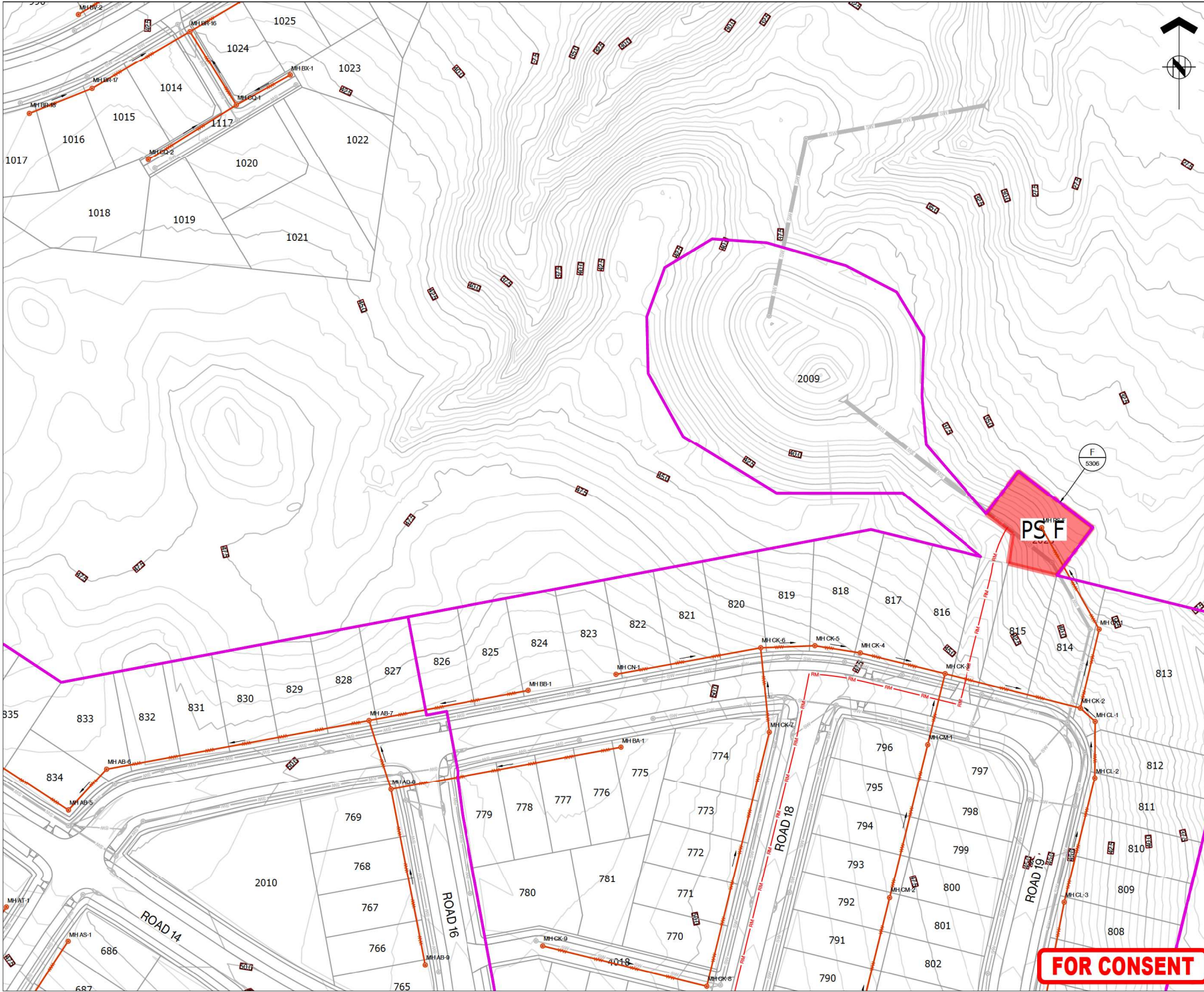
TITLE:
WASTEWATER LAYOUT PLAN
SHEET 19 OF 35

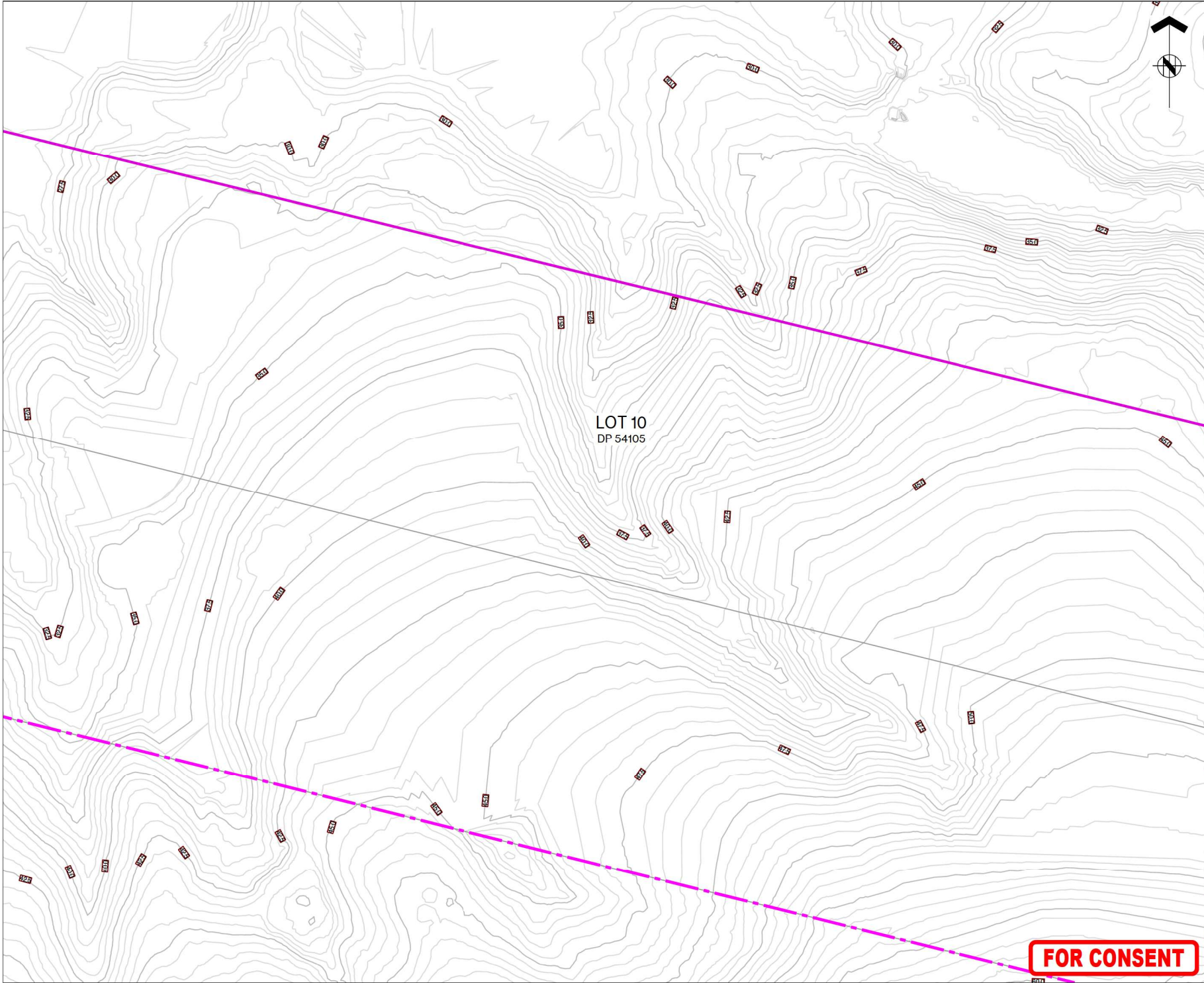
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APPROVED: CJM	DATE: 04/2020	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT NO: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV A1
DRAWING NO: A2515591.00-5019		REV A

FOR CONSENT





LOT 10
DP 54105

FOR CONSENT



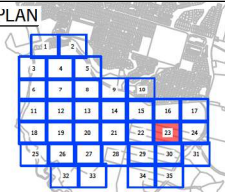
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LAYOUT PLAN
SHEET 23 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	PLOT BY:
DRAWN: SCT	DATE: 11/2025	SIGNED:	PLOT DATE:
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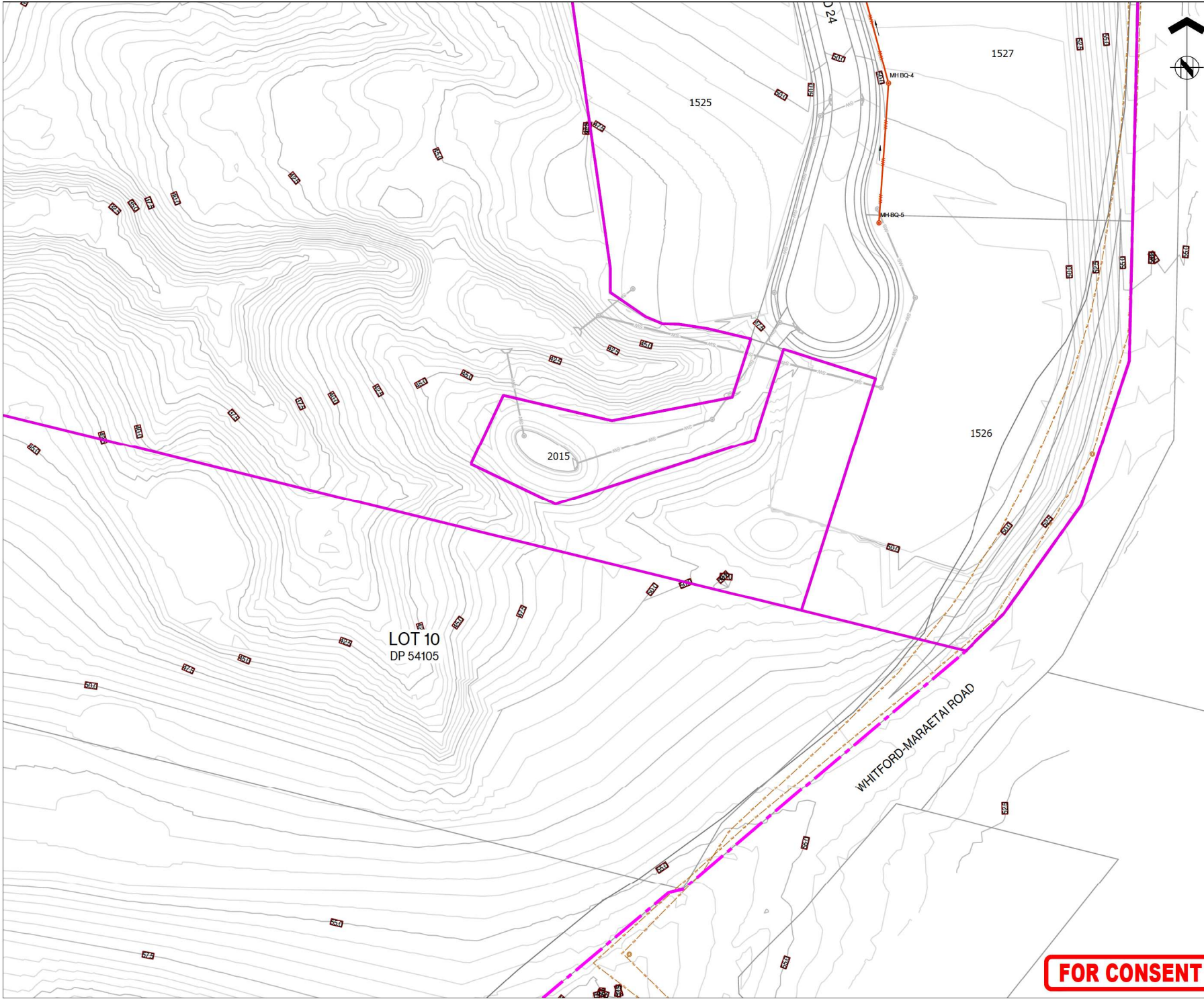
ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV
DRAWING No:		REV

A2515591.00-5023

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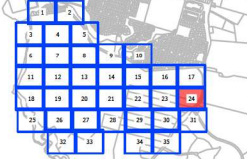
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PROJECT:
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BEACHLANDS SOUTH, AUCKLAND

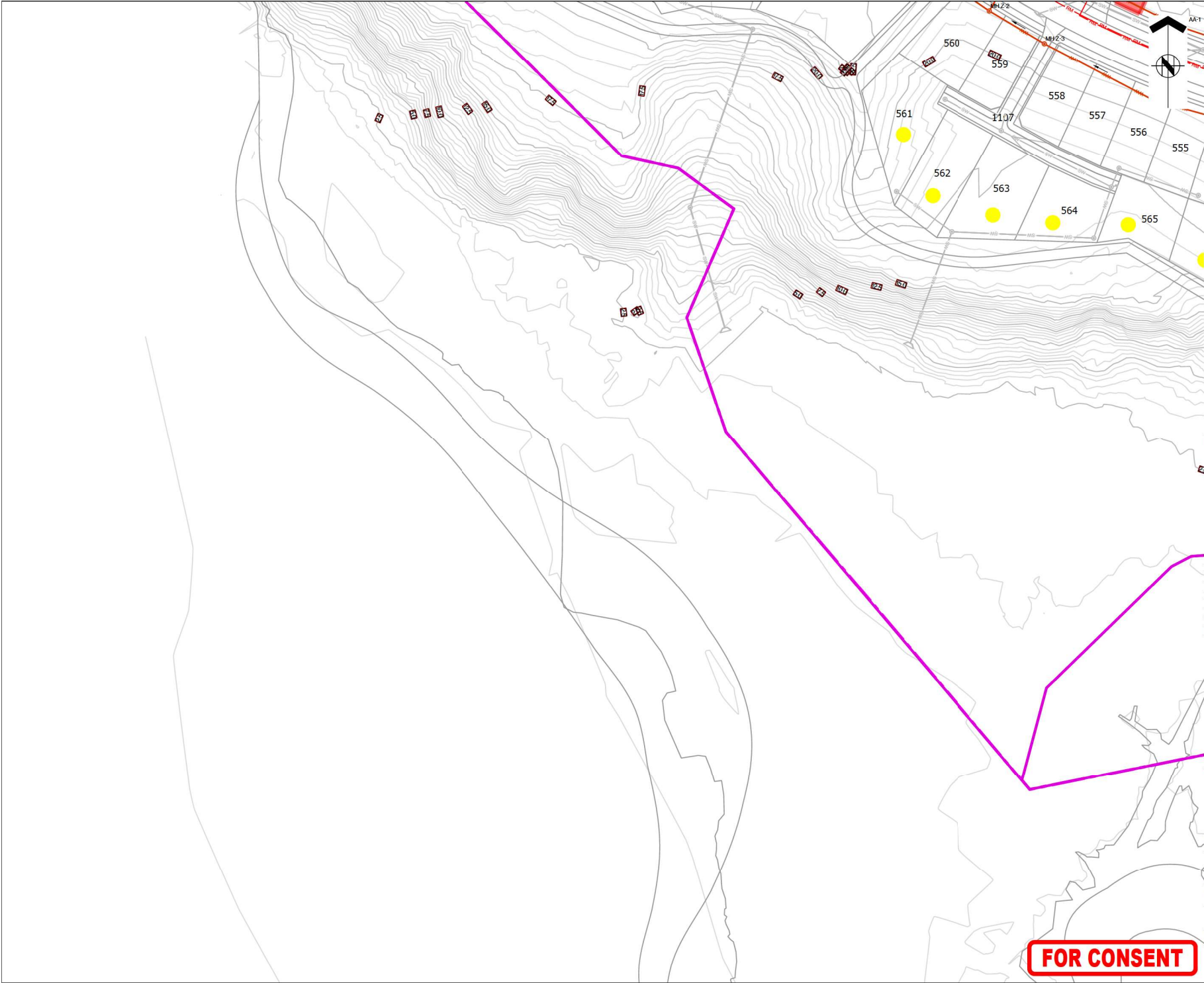
TITLE:
WASTEWATER LAYOUT PLAN
SHEET 24 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	PLOT BY: CJM
DRAWN: SCT	DATE: 11/2025	SIGNED:	PLOT DATE: 12/08/26
CHECKED: PZS	DATE: 04/2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 04/2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	A1 REV
DRAWING No: A2515591.00-5024		A

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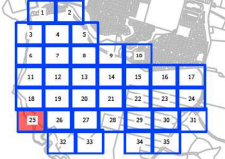
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PROJECT:

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BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LAYOUT PLAN
SHEET 25 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	PLLOT BY:
DRAWN: SCT	DATE: 11/2025	SIGNED:	PLLOT DATE:
CHECKED: PZS	DATE: 04/2026	SIGNED:	SURVEY BY:
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ISSUE STATUS:

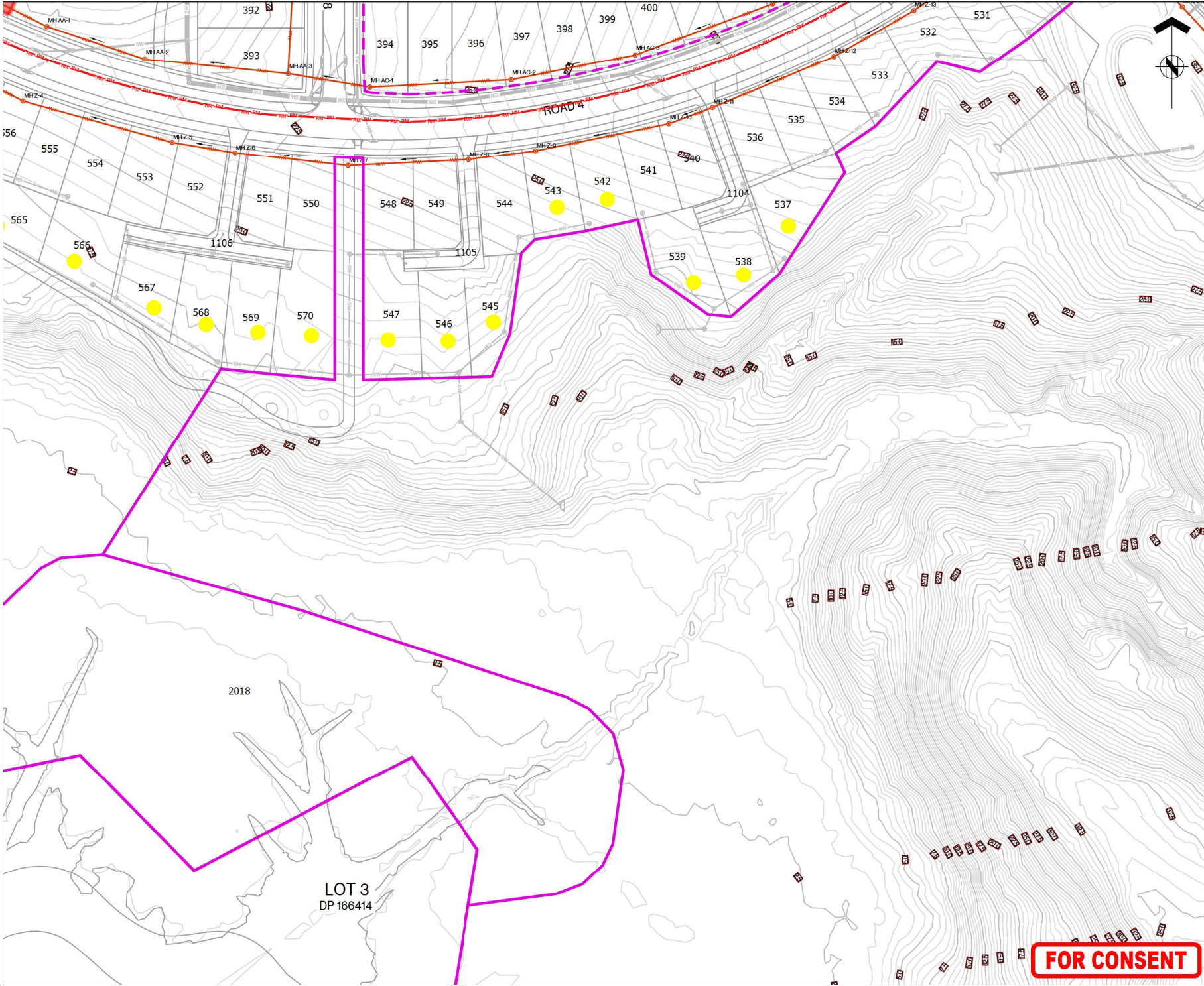
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV A
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DRAWING No:

A2515591.00-5025

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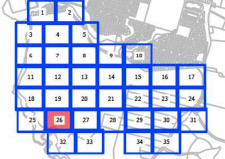
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LAYOUT PLAN
SHEET 26 OF 35

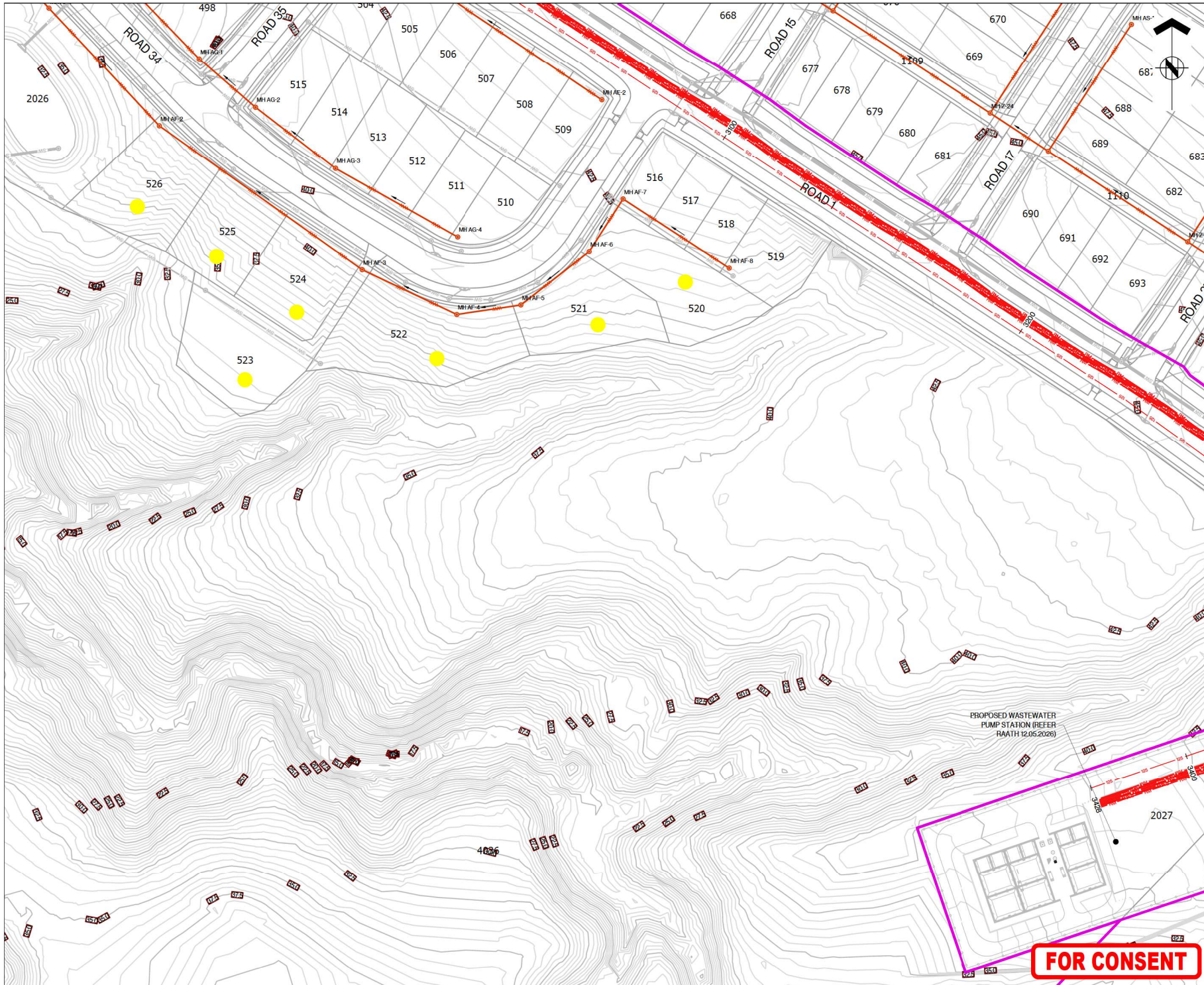
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APPROVED: CJM	DATE: 04/2020	SIGNED:	SURVEY DATE:

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
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DRAWING No:	REV	
A2515591.00-5026	A	

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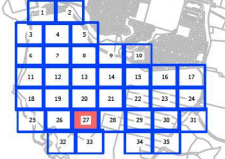


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BEACHLANDS SOUTH, AUCKLAND

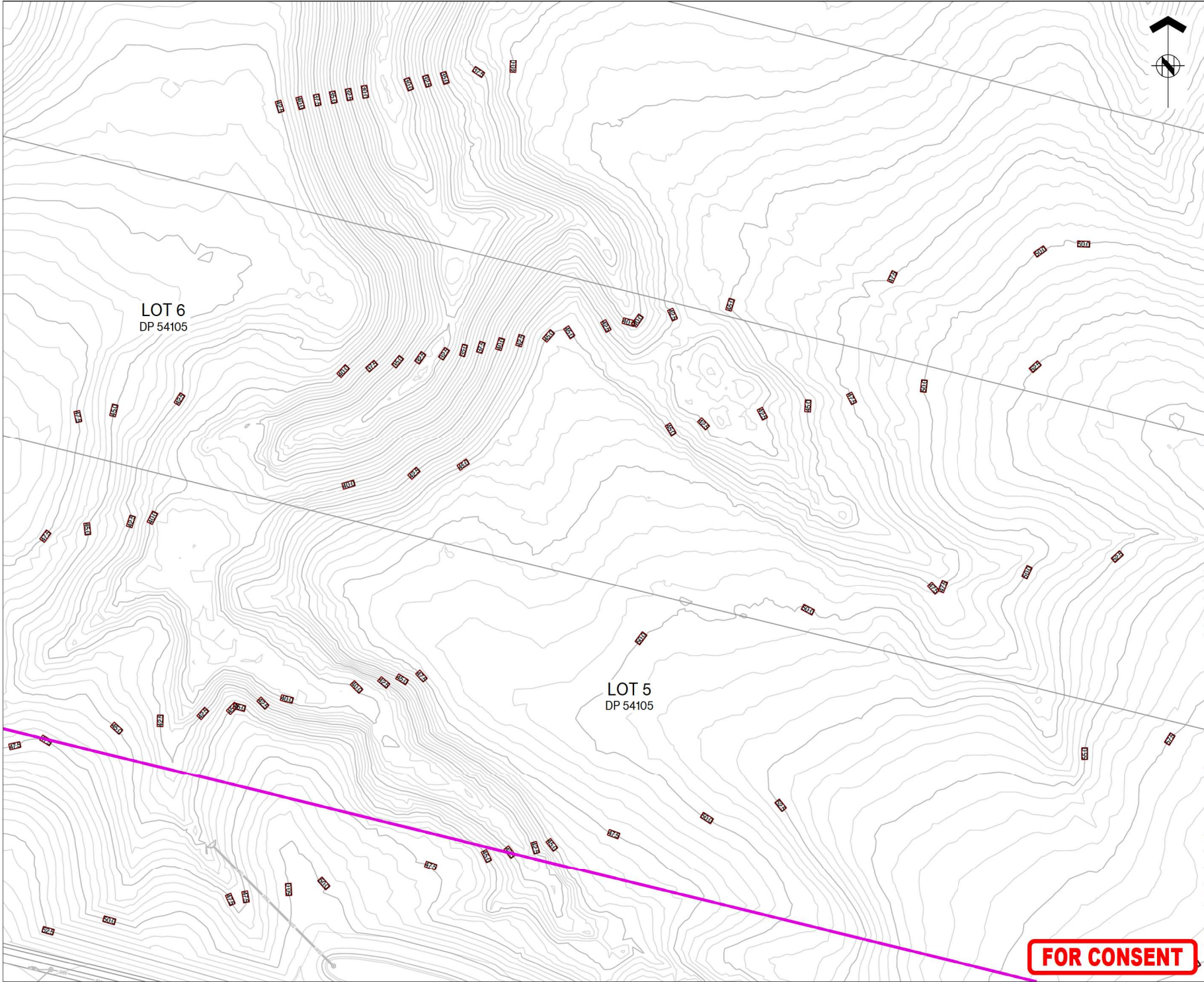
TITLE:
WASTEWATER LAYOUT PLAN
SHEET 27 OF 35

ORIGINATOR: SCT	DATE: 04.2026	SIGNED:	PLOT BY: CJM
DRAWN: SCT	DATE: 11.2025	SIGNED:	PLOT DATE: 12.08.26
CHECKED: PZS	DATE: 04.2026	SIGNED:	SURVEY BY:
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ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV A
DRAWING No: A2515591.00-5027		

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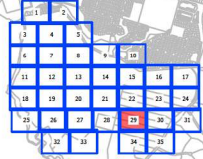


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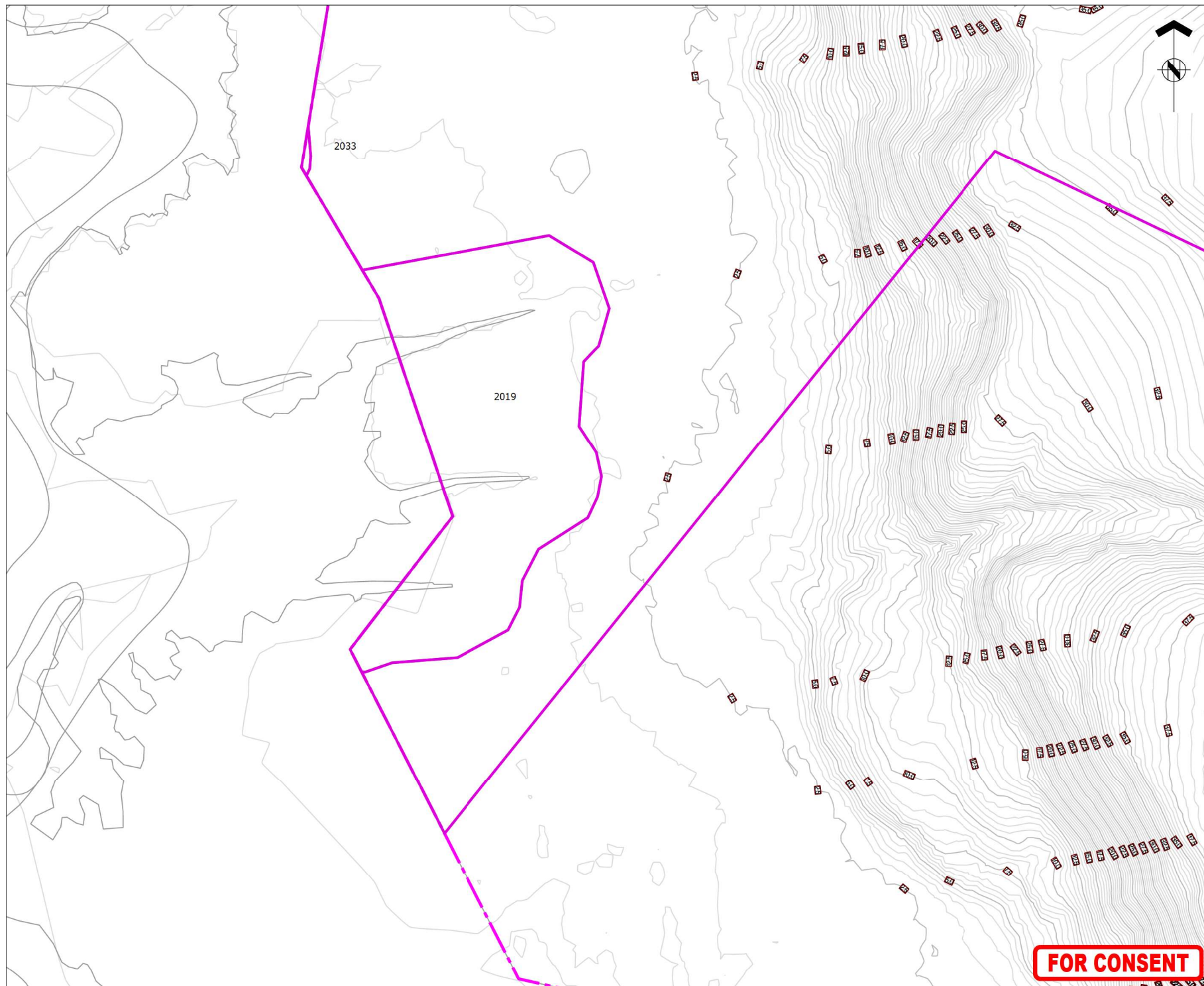
PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
WASTEWATER LAYOUT PLAN
SHEET 29 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	PLOT BY: CJM
DRAWN: SCT	DATE: 11/2025	SIGNED:	PLOT DATE: 12/08/26
CHECKED: PZS	DATE: 04/2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 04/2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV A1
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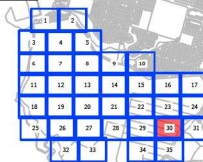
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PROJECT:

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

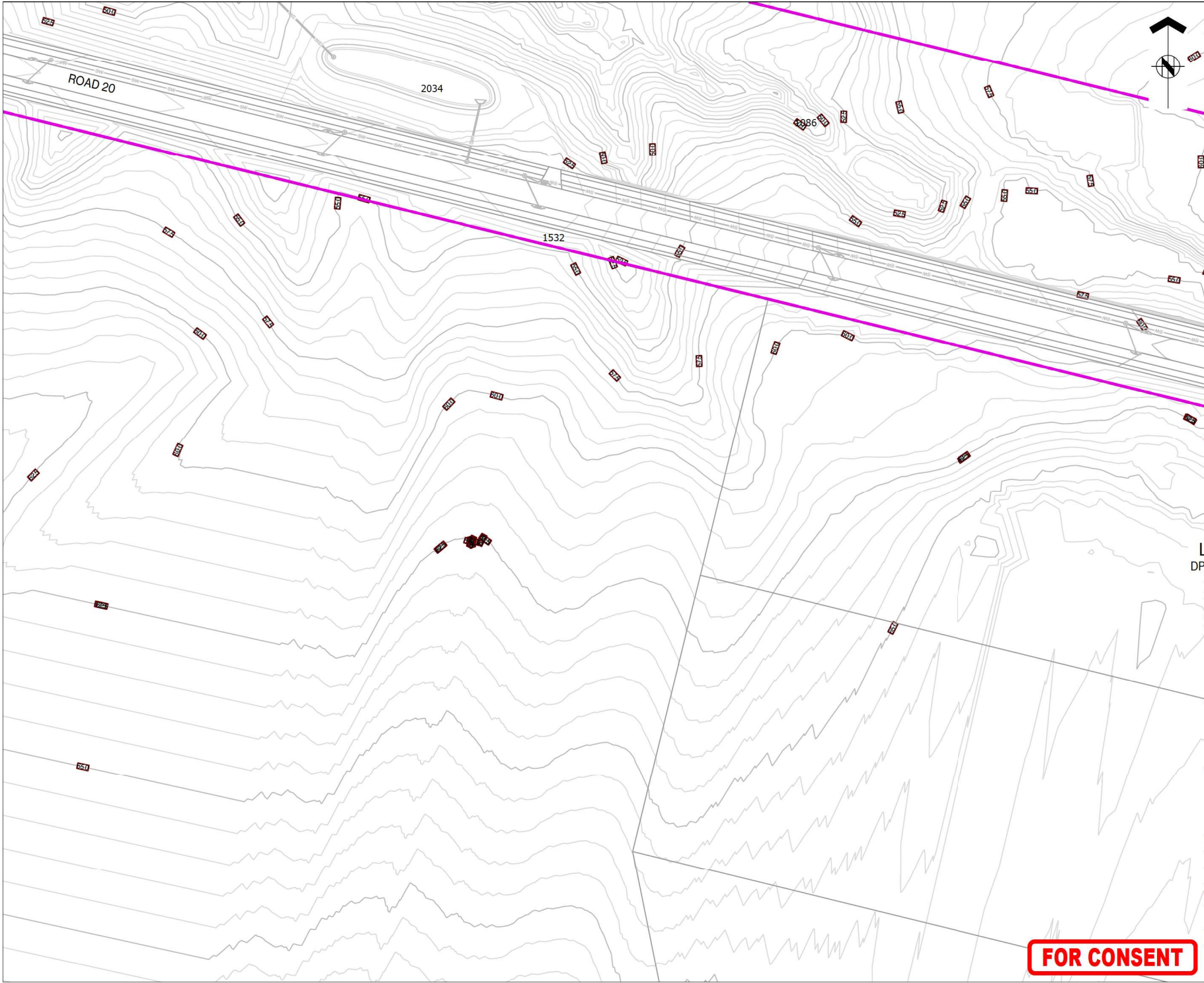
WASTEWATER LAYOUT PLAN
SHEET 30 OF 35

ORIGINATOR: SCT	DATE: 04.2026	SIGNED:	PLOT BY: CJM
DRAWN: SCT	DATE: 11.2025	SIGNED:	PLOT DATE: 12.08.2025
CHECKED: PZS	DATE: 04.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 04.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:500 A3 1:1000	A1
DRAWING No: A2515591.00-5030		REV A





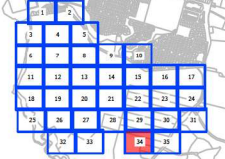
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PROJECT:
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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
WASTEWATER LAYOUT PLAN
SHEET 34 OF 35

ORIGINATOR: SCT	DATE: 04/2026	SIGNED:	DATE: 11/2025	SIGNED:	DATE: 04/2026	DATE: 04/2026	SIGNED:
DRAWN: SCT		CHECKED: PZS		APPROVED: CJM		SURVEYED BY: SURVEYED DATE:	

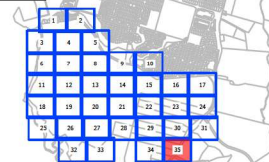
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ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	REV A1
DRAWING No: A2515591.00-5034		REV A



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A	FOR CONSENT	CJM	02/20/2017
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

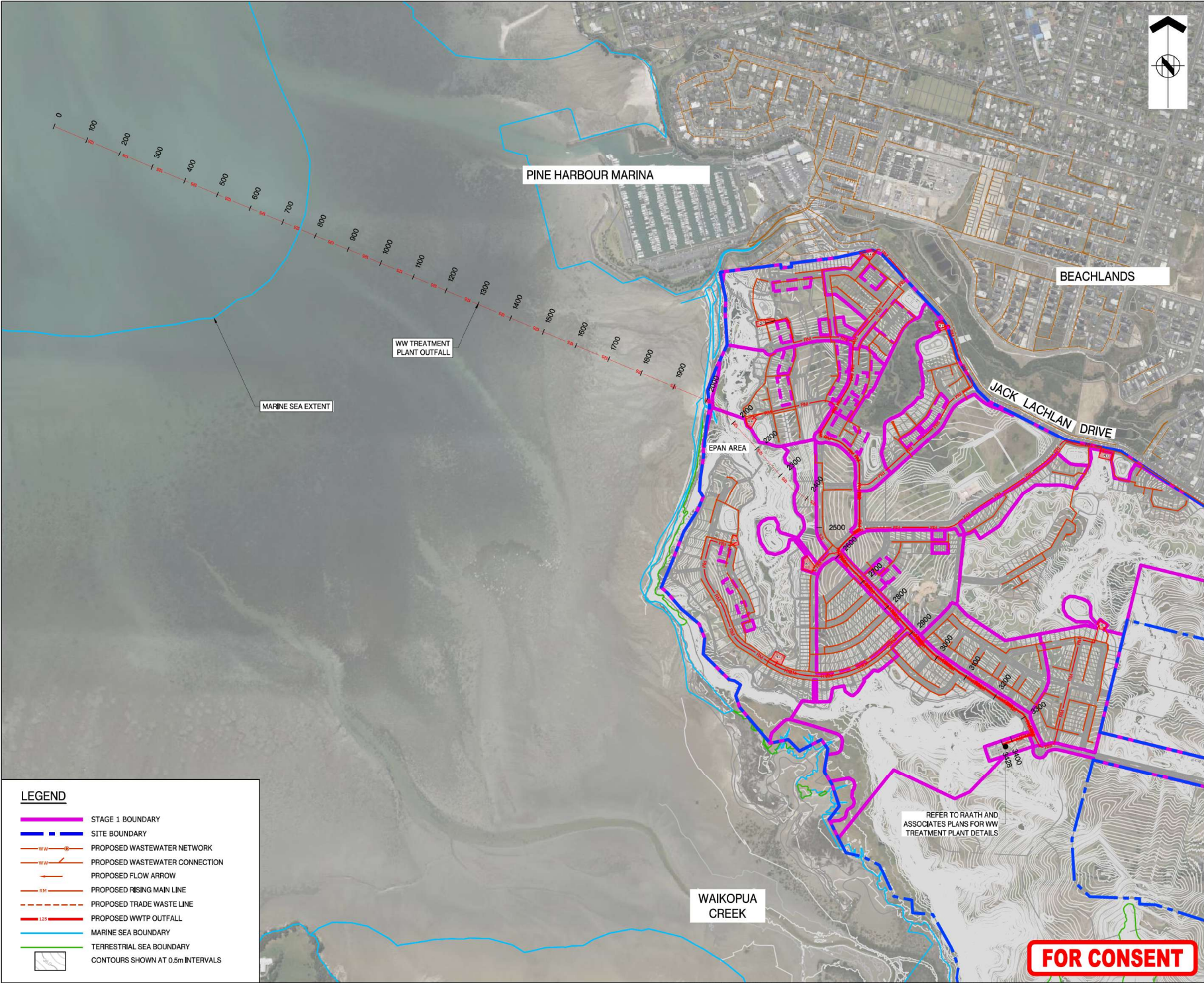
WASTEWATER LAYOUT PLAN
SHEET 35 OF 35

ORIGINATOR: SCT	DATE: 04.2026	SIGNED:	PLOT BY:
DRAWN: SCT	DATE: 11.2025	SIGNED:	PLOT DATE:
CHECKED: PZS	DATE: 04.2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 04.2026	SIGNED:	SURVEY DATE:

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A2515591.00	SCALE: A1 1:500 A3 1:1000	A1
DRAWING No:		REV
A2515591.00-5035		A

FOR CONSENT



LEGEND

- STAGE 1 BOUNDARY
- SITE BOUNDARY
- PROPOSED WASTEWATER NETWORK
- PROPOSED WASTEWATER CONNECTION
- PROPOSED FLOW ARROW
- PROPOSED RISING MAIN LINE
- PROPOSED TRADE WASTE LINE
- PROPOSED WWT OUTFALL
- MARINE SEA BOUNDARY
- TERRESTRIAL SEA BOUNDARY
- CONTOURS SHOWN AT 0.5m INTERVALS



ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

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NOTES

- ALL WASTEWATER WORK TO BE COMPLIANT WITH THE BUILDING CODE AND WATERCARE SERVICES LIMITED CODE OF PRACTICE.
- ALL EXISTING SERVICES NEED TO BE LOCATED/MARKED AND CONFIRMED PRIOR TO WORK COMMENCING ON SITE.
- REFER TO PARTICULAR SPECIFICATION WITHIN THE CONTRACT DOCUMENT FOR AS-BUILDING REQUIREMENTS AND CONSTRUCTION DETAILS.
- HARDFILL BACKFILL ALL TRENCHES BELOW CARRIAGEWAY AND AS SHOWN WITH GAP 65.
- ALL WORK DEEMED BY THE ENGINEER OR AUCKLAND COUNCIL OFFICERS AS BEING SUBSTANDARD WORK SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE.
- ALL PIPES TO BE DN125 PE UNLESS OTHERWISE STATED.
- REFER TO DRAWING A2515591.00-0016 FOR STAGE DETAILS.
- AERIAL PHOTO FROM GOOGLE EARTH FOR THE PURPOSES OF SHOWING THE LOCATION OF THE OUTLET STRUCTURE.
- FINAL DESIGN AND LOCATION OF OUTFALL WITHIN THE SEA SUBJECT TO CONSENT AND ENGINEERING APPROVAL.

B	FOR CONSENT	CJM	06/2026
A	FOR CONSENT	CJM	05/2026
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
WASTEWATER TREATMENT PLANT
OUTFALL LAYOUT PLAN

ORIGINATOR SCT	DATE: 05.2026	SIGNED:	PLOT BY:	SCT
DRAWN SCT	DATE: 05.2026	SIGNED:	PLOT DATE:	22.06.26
CHECKED PZS	DATE: 05.2026	SIGNED:	SURVEY BY:	SURVEYED BY
APPROVED CJM	DATE: 05.2026	SIGNED:	SURVEY DATE:	SURVEYED DATE

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: 1:5000 - A1 1:10000 - A3	REV
DRAWING No:		REV

A2515591.00-5036 B

FOR CONSENT

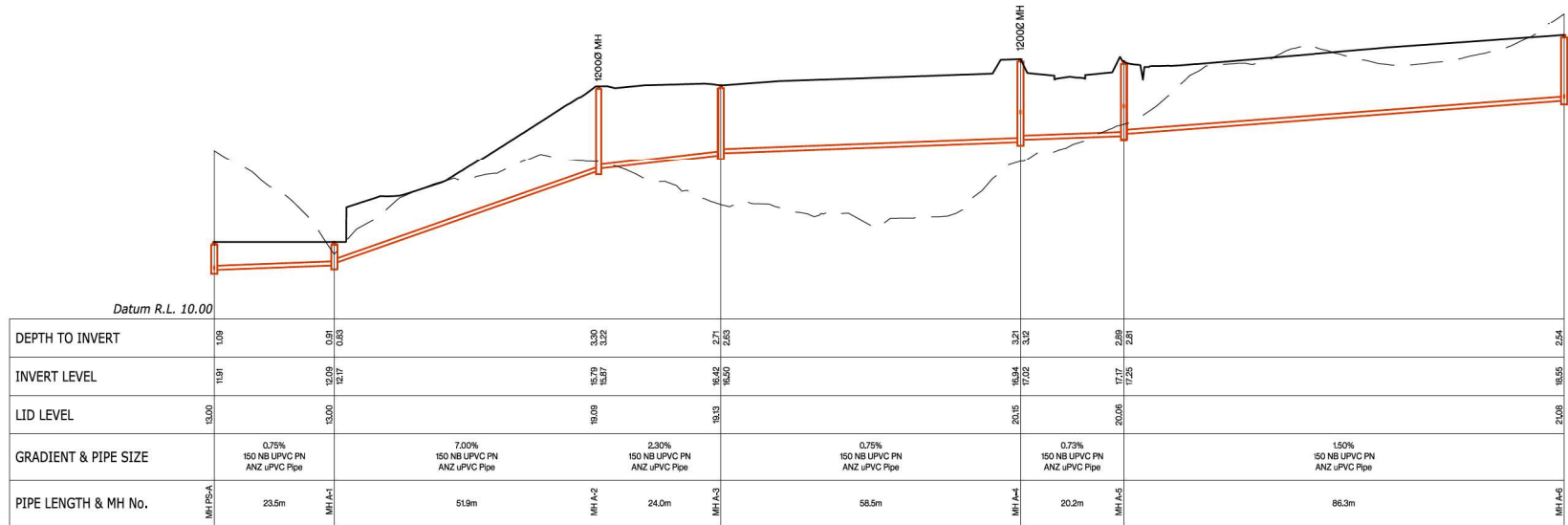
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NOTES:

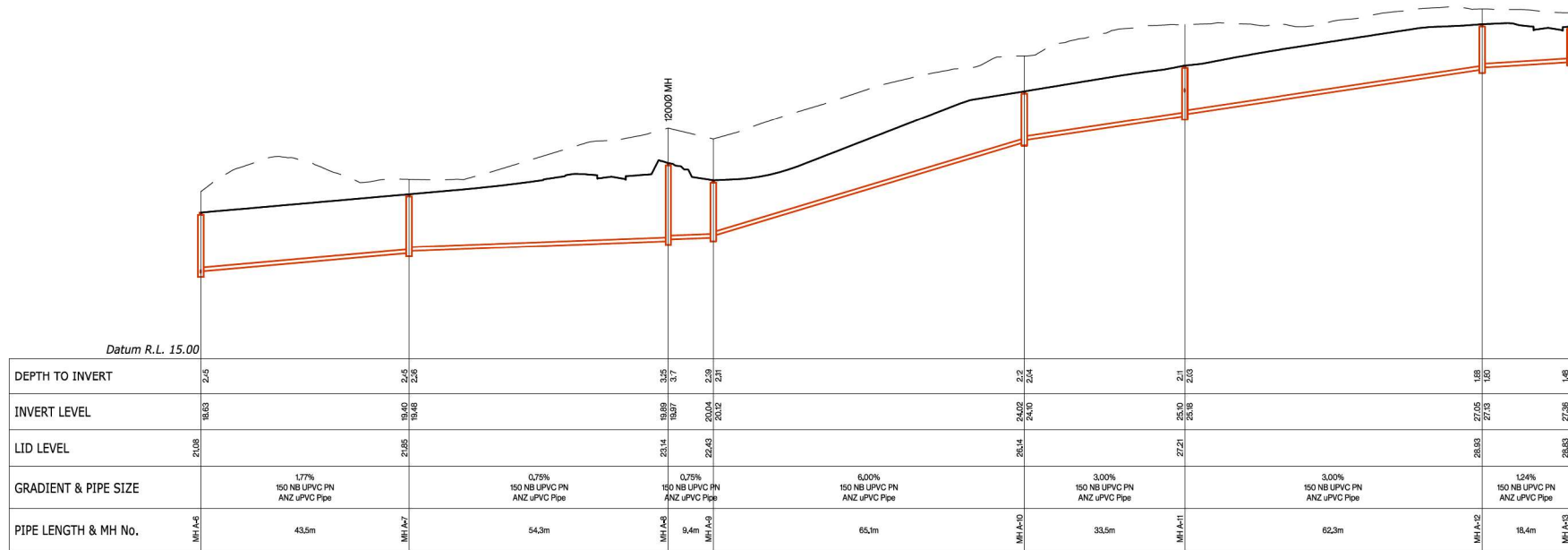
- LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
- ALL ROAD CROSSINGS TO BE HARDFILL BACKFILLED TO ROAD SUBGRADE LEVEL.

LEGEND:

- EXISTING LEVEL
- PROPOSED FINISHED LEVEL
- PROPOSED WASTEWATER LINE



Line A



Line A

FOR CONSENT

HARRISON GRIERSON
AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:
**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:
**WASTEWATER LONGITUDINAL SECTIONS
SHEET 1 OF 41**

OPERATOR ENW	DATE 04.2026	SIGNED	PLOT BY: ENW
DRAWN ENW	DATE 04.2026	SIGNED	PLOT DATE: 11/06/26
CHECKED PZS	DATE 05.2026	SIGNED	SURVEY BY: SURVEYED BY
APPROVED CJM	DATE 05.2026	SIGNED	SURVEY DATE: SURVEYED DATE

ISSUE STATUS:

FAST TRACK CONSENT			
PROJECT No: A2515591.00	SCALE: 1500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	REV	A1
DRAWING No:	REV	A2515591.00-5100 A	

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A2515591.00-5101	A
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FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A2515591.00-5102	A
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REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES FILE: DATA\LOCAL\AUTODESK\C3D 2024\ENU\TEMPLATE C:\AUTODESK\ACCDOS\ACCDOS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01 DESIGN\02 CIVIL\04 SHEETS\A2515591.00-5100 WASTEWATER LONGITUDINAL SECTIONS.DWG

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE

A2515591.00-5103 A

FOR CONSENT

1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 5 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/20
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY:
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE:

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A1
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DRAWING No:	REV
A2515591.00-5104	A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



**HARRISON
GRIERSON**

PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

WASTEWATER LONGITUDINAL SECTIONS
SHEET 6 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/20
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: 1:500 H ; 1:100 V - A1 1:1000 H ; 1:200 V - A3	A1
DRAWING No: A2515591.00-5105		REV A

FOR CONSENT

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- NOTES:**
- LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
 - ALL ROAD CROSSINGS TO BE HARDFILL BACKFILLED TO ROAD SUBGRADE LEVEL.

LEGEND:

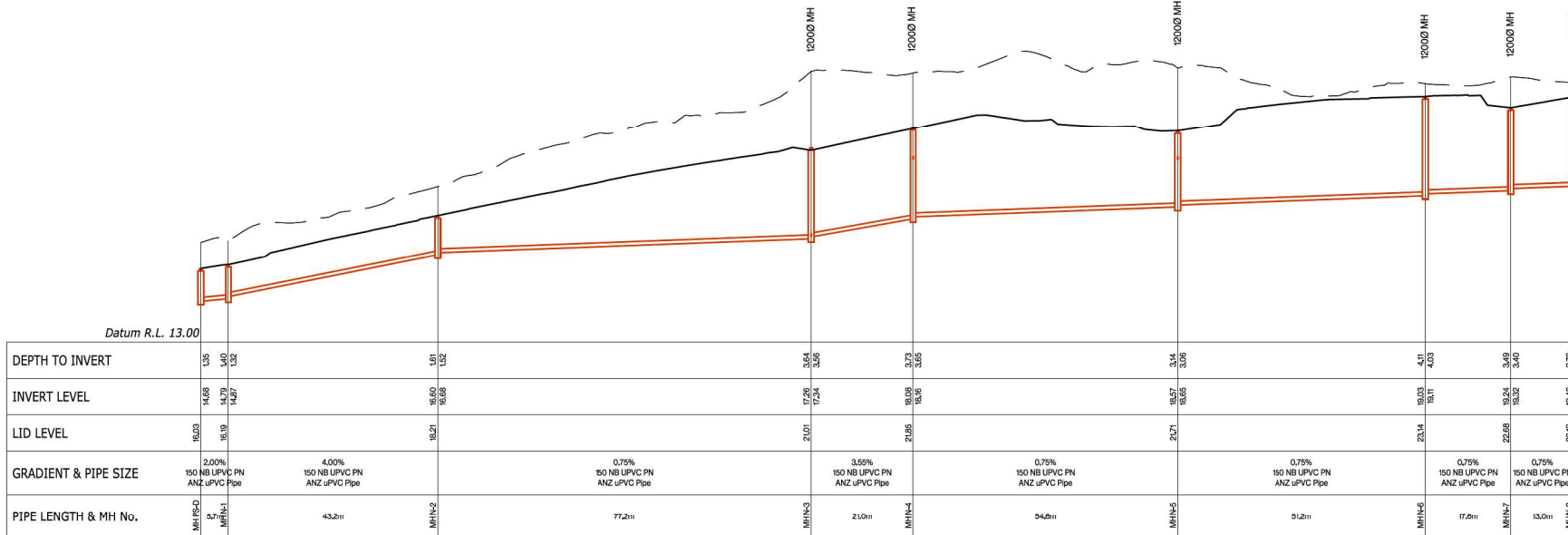
EXISTING LEVEL

—

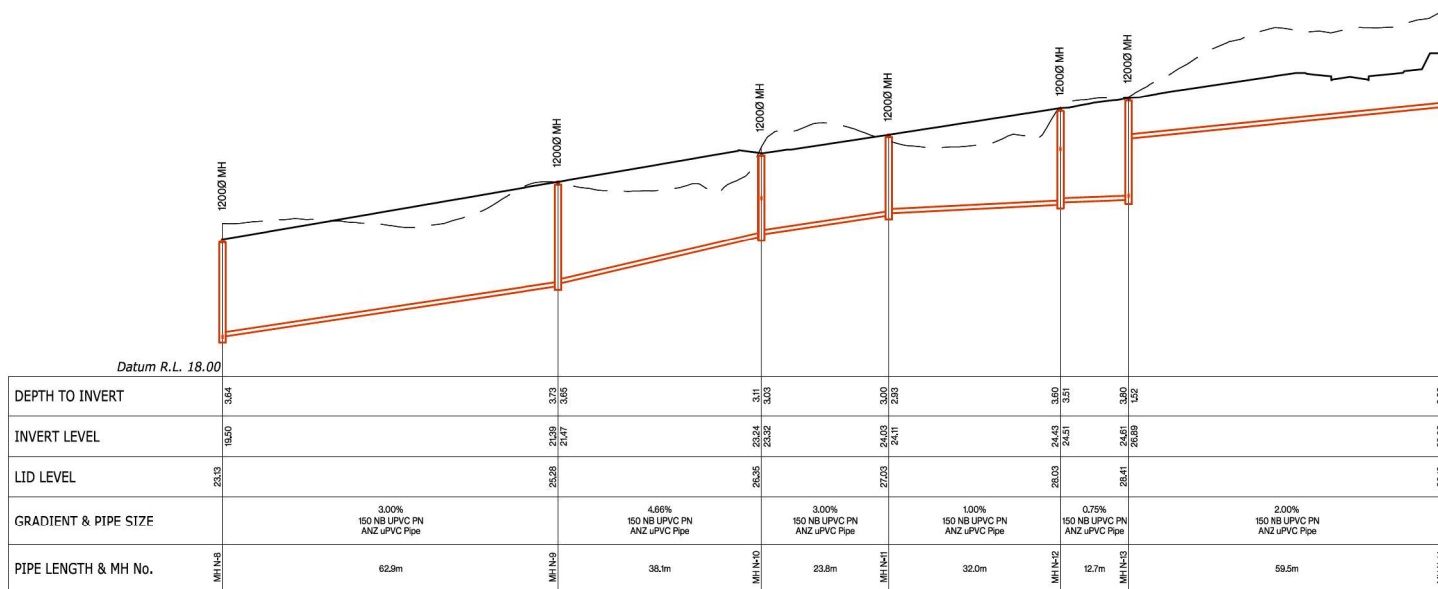
PROPOSED FINISHED LEVEL

—

PROPOSED WASTEWATER LINE



Line N



Line N

FOR CONSENT

1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 8 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/20
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A1
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DRAWING No:	REV
A2515591.00-5107	A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

WASTEWATER LONGITUDINAL SECTIONS
SHEET 9 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/20
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:200 V - A3	A1
DRAWING No: A2515591.00-5108		REV A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



PROJECT: TOLSON COMPEND PROJECT CH 50104 REGION: 00 CMB: 10 SHEET: 10545501.00 EAO

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES File: DATA\LOCAL\AUTODESK\C3D 2024\ENU\TEMPLATE C:\AUTODESK\ACCDOS\ACCDOS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01 DESIGN\02 CIVIL\04 SHEETS\A2515591.00-5100 WASTEWATER LONGITUDINAL SECTIONS.DWG

NOTES:

- LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
- ALL ROAD CROSSINGS TO BE HARDFILL BACKFILLED TO ROAD SUBGRADE LEVEL.

LEGEND:

- EXISTING LEVEL
— PROPOSED FINISHED LEVEL
— PROPOSED WASTEWATER LINE

FOR CONSENT

A	FOR CONSENT	CJM	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
WASTEWATER LONGITUDINAL SECTIONS
SHEET 11 OF 43

ORIGINATOR ENW	DATE 04/2026	SIGNED	PLOT BY: ENW
DRAWN ENW	DATE 04/2026	SIGNED	PLOT DATE: 12/06/26
CHECKED PZS	DATE 05/2026	SIGNED	SURVEY BY: SURVEYED BY
APPROVED CJM	DATE 05/2026	SIGNED	SURVEY DATE: SURVEYED DATE

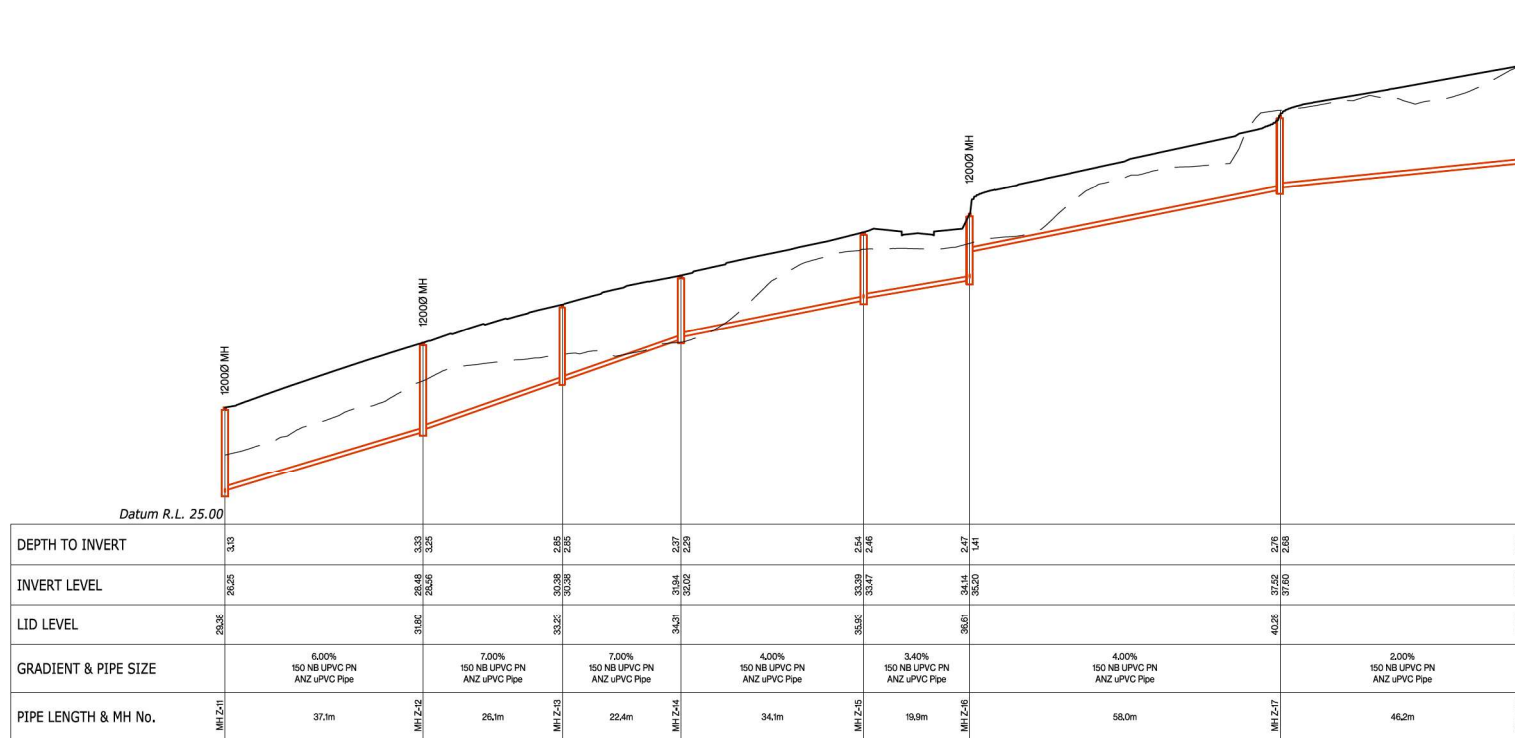
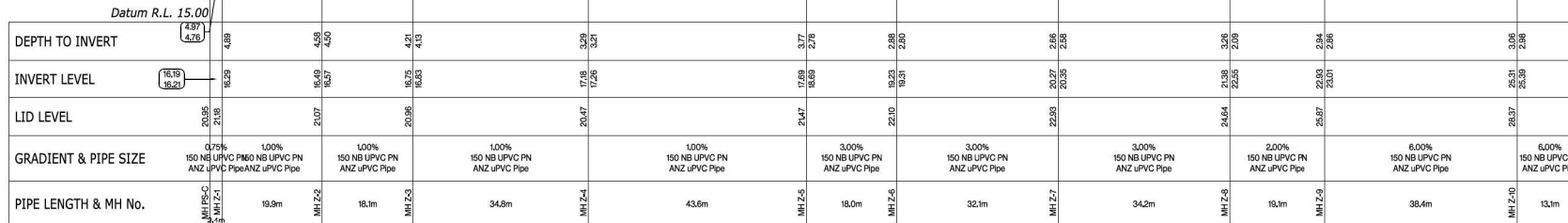
ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No: A2515591.00 SCALES: 1500 H: 1:100 V - A1

DRAWING No: A2515591.00-5110 REV A

WASTEWATER LONGITUDINAL SECTIONS.DWG



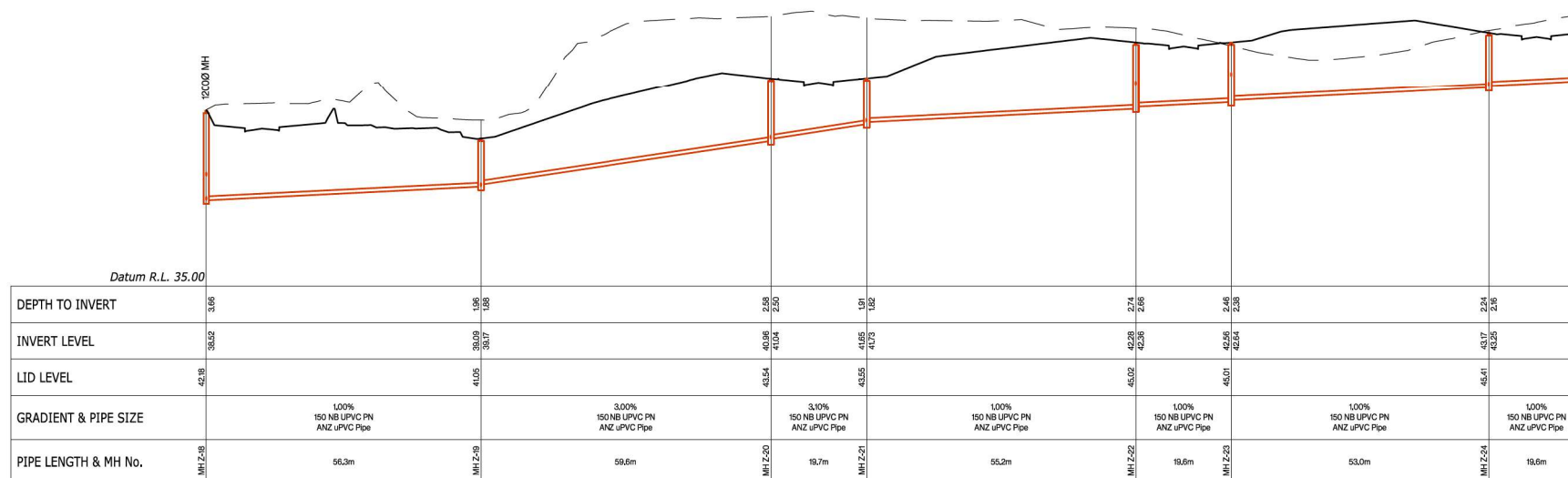
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NOTES:

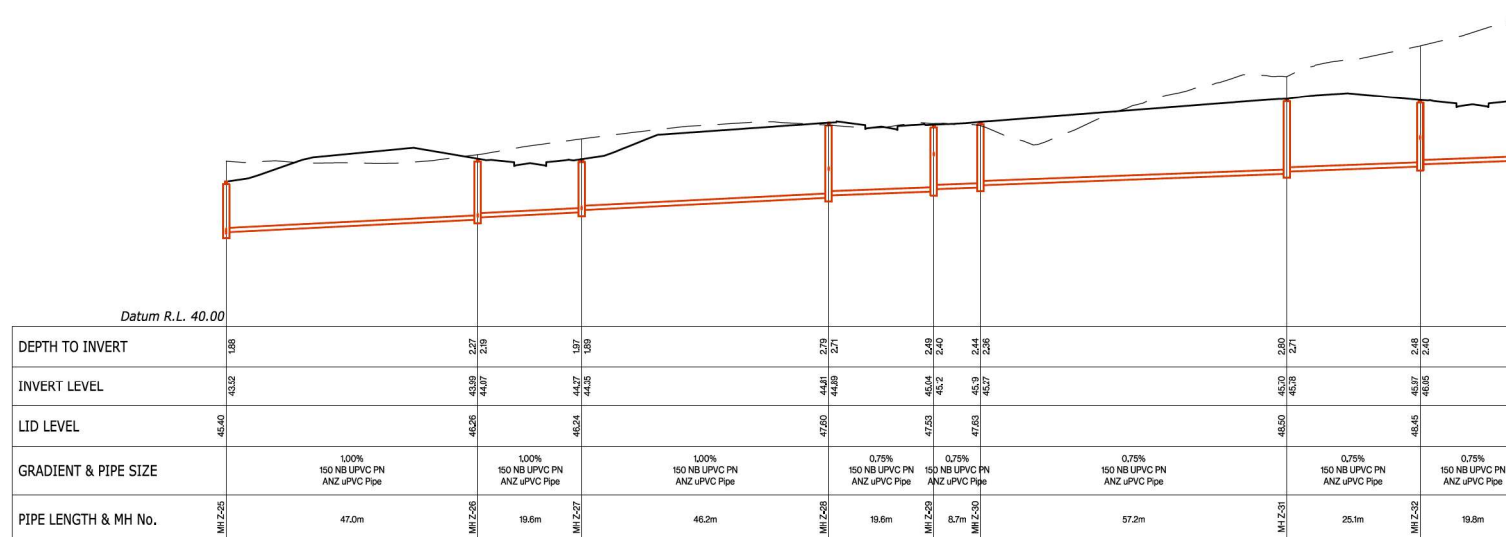
1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

LEGEND:

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



Line Z



Line Z

A	FOR CONSENT	CJM	0420
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 12 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 12/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A251559100	SCALES: 1:500 H ; 1:100 V - A1 1:1000 H ; 1:1200 V - A3	A1
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DRAWING No:	REV
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A2515591.00-5111	A
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FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

AUCKLAND OFFICE
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Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisingrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS
SHEET 13 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/20
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: 1:500 H ; 1:100 V - A1 1:1000 H ; 1:1200 V - A3	A1
DRAWING No: A2515591.00-5112		REV A

FOR CONSENT

1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A2515591.00-5113	A
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FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE

A2515591.00-5114 A

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 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 16 OF 43

ORIGINATOR: ENW	DATE: 04/20/2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04/20/2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05/20/2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05/20/2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A1
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A2515591.00	E1000 H ; E1200 V • A3	REV
DRAWING No:		REV

A2515591.00-5115	A
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FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE

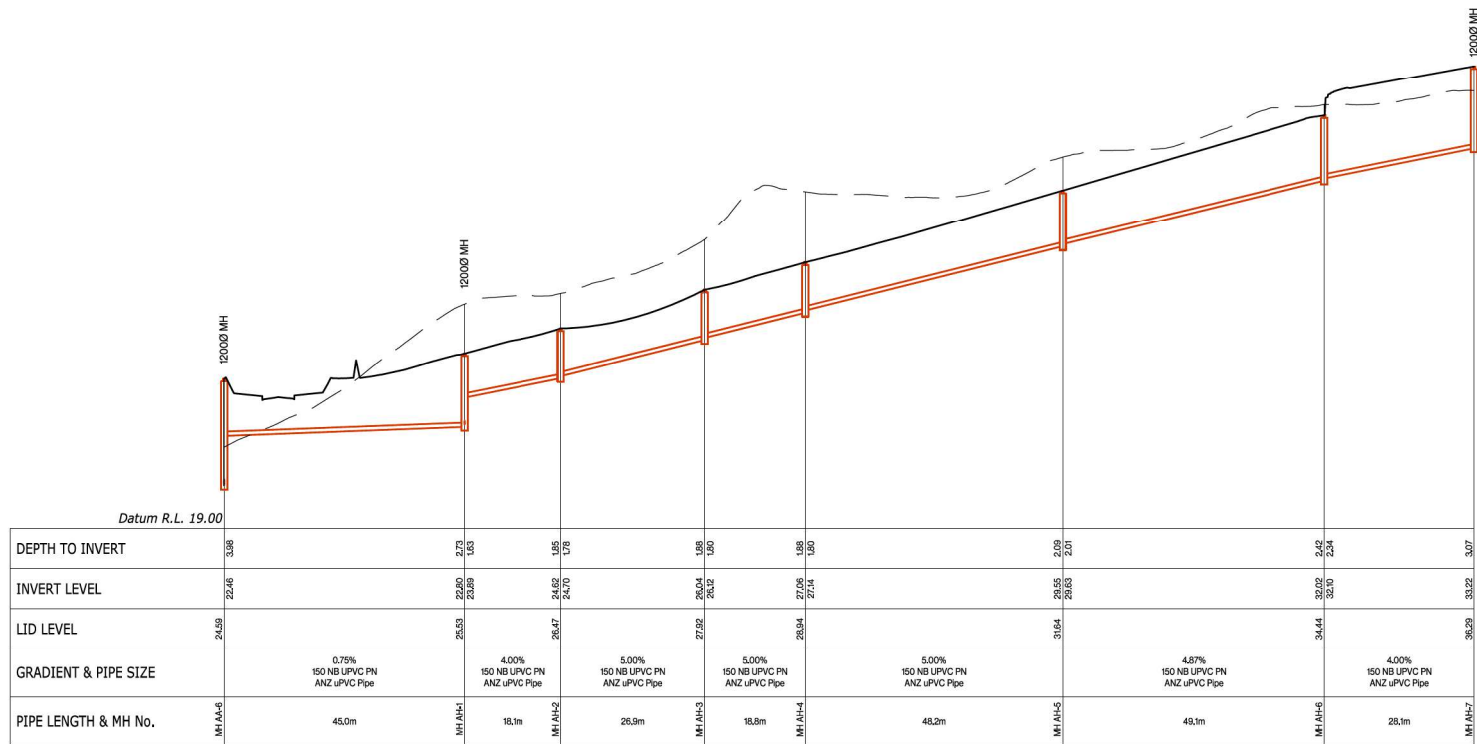


A2515591.00-5116 A

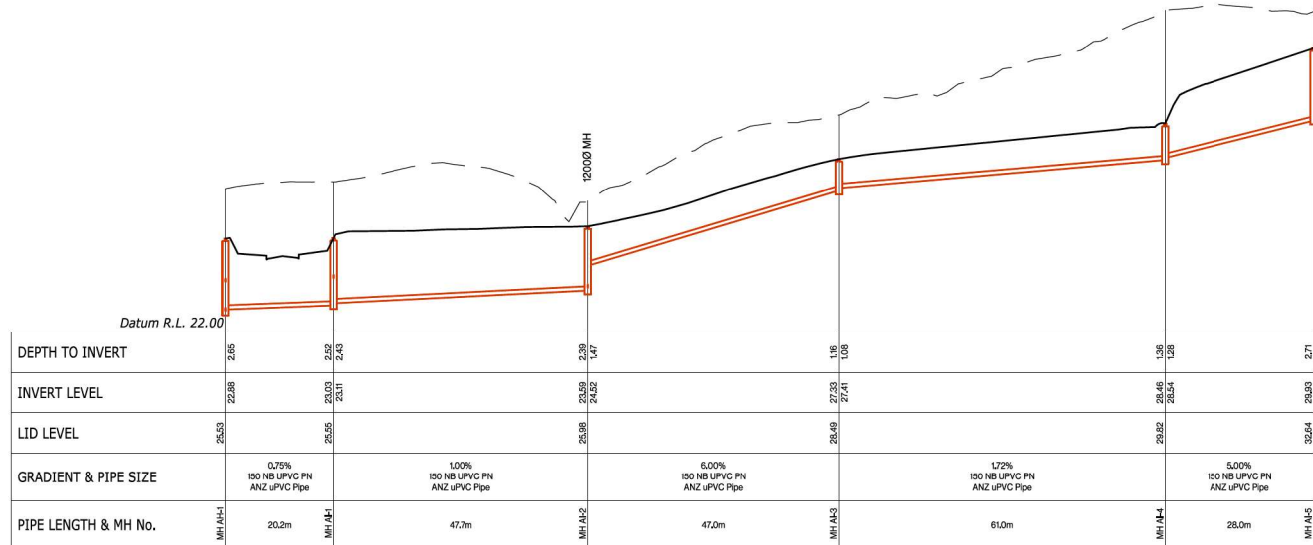
 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



FOR CONSENT



Line AH



Line AI



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ENGINEERS NEW ZEALAND

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NOTES:

1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x
VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARDFILL
BACKFILLED TO ROAD SUBGRADE LEVEL.

LEGEND:

--- EXISTING LEVEL
— PROPOSED FINISHED LEVEL
— PROPOSED WASTEWATER LINE

A	FOR CONSENT	CJM	05/2026
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON** AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisingrierson.com

PROJECT:
**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:
**WASTEWATER LONGITUDINAL SECTIONS
SHEET 19 OF 43**

ORIGINATOR ENW	DATE 04.2026	SIGNED	PLOT BY: ENW
DRAWN ENW	DATE 04.2026	SIGNED	PLOT DATE: 11/06/26
CHECKED PZS	DATE 05.2026	SIGNED	SURVEY BY: SURVEYED BY
APPROVED CJM	DATE 05.2026	SIGNED	SURVEY DATE: SURVEYED DATE

ISSUE STATUS:

FAST TRACK CONSENT			
PROJECT No: A2515591.00	SCALE: 1500 H : 1:100 V - A1 1:1000 H : 1:1200 V - A3	REV	A1
DRAWING No: A2515591.00-5118	REV	A	

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



**HARRISON
GRIERSON**

DRAWING No:	REV
A2515591.00-5119	A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



**HARRISON
GRIERSON**

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 21 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY:
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DA

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A
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DRAWING No:	REV
A2515591.00-5120	A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



**HARRISON
GRIERSON**

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

WASTEWATER LONGITUDINAL SECTIONS
SHEET 22 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 12/06/20
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A1
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DRAWING NO: **A2515591.00-5121** REV **A**

FOR CONSENT



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1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARDFILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT	CJM	05/20/2017
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 23 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/20
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:200 V - A3	A1
DRAWING No: A2515591.00-5122		REV A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE

A2515591.00-5123 A

FOR CONSENT

1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 25 OF 43

ORIGINATOR: ENW	DATE: 04/20/2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04/20/2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05/20/2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05/20/2026	SIGNED:	SURVEY DATE: SURVEYED DATE

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A1
DRAWING No: A2515591.00-5124		REV A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE

A2515591.00-5125 A

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES FILE: DATA\LOCAL\AUTODESK\C3D 2024\ENU\TEMPLATE C:\AUTODESK\ACCDOS\ACCDOS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01 DESIGN\02 CIVIL\04 SHEETS\A2515591.00-5100 WASTEWATER LONGITUDINAL SECTIONS.DWG

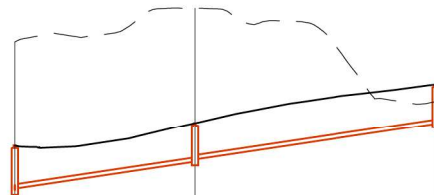


ISO 9001
QUALITY
ASSURED

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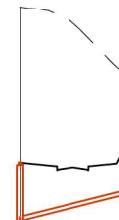
1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



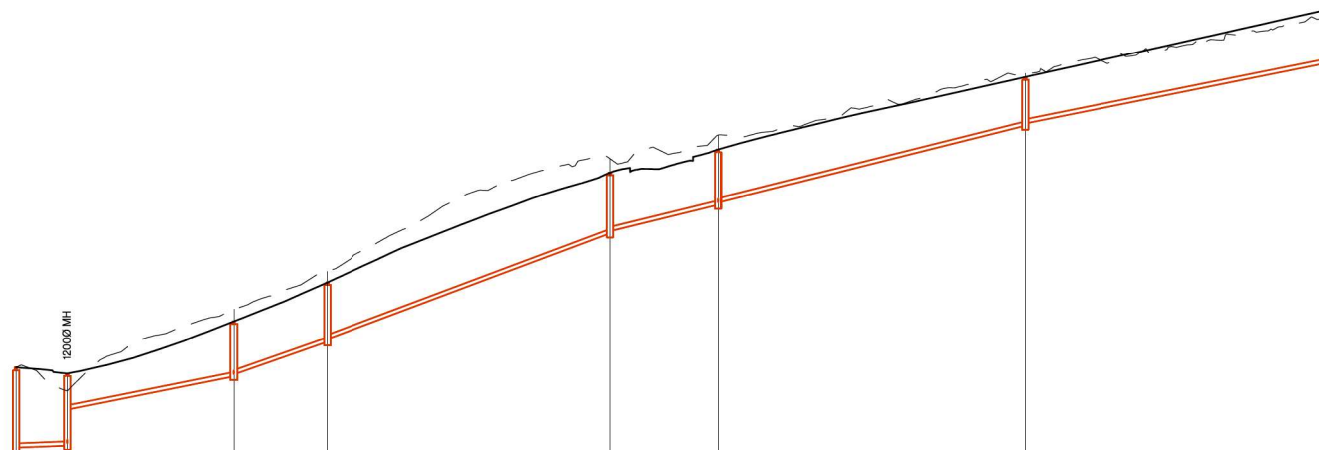
DEPTH TO INVERT	1.61	1.48 1.38
INVERT LEVEL	25.46	28.47 26.25
LID LEVEL	27.06	27.93
GRADIENT & PIPE SIZE	3.00% 150 NB UPVC PN ANZ uPVC Pipe	3.00% 150 NB UPVC PN ANZ uPVC Pipe
PIPE LENGTH & MH No.	MH BD-5 33.7m	MH BD-1 45.2m

Line BG



DEPTH TO INVERT	2.17
INVERT LEVEL	263.86
LID LEVEL	31.03
GRADIENT & PIPE SIZE	500% 150 NE UPVC PN ANZ UPVC Pipe
PIPE LENGTH & MH No.	MH-B/C-7 23.8m

Line BH



Section A-12 - 1976							
DEPTH TO INVERT		2.69				2.04	1.97
INVERT LEVEL		16.02	2.69 17.44			20.06	2.05 18.12
LID LEVEL		19.01	19.79			22.19	21.14
GRADIENT & PIPE SIZE		0.75% 150 NB UPVC PN ANZ uPVC Pipe	4.00% 150 NB UPVC PN ANZ uPVC Pipe	7.00% 150 NB UPVC PN ANZ uPVC Pipe	7.45% 150 NB UPVC PN ANZ uPVC Pipe	4.90% 150 NB UPVC PN ANZ uPVC Pipe	5.00% 150 NB UPVC PN ANZ uPVC Pipe
PIPE LENGTH & MH No.	MH-BSE 9.6m MH-B1	31.1m	MH-B2 MH-B3	17.6m	53.1m	MH-B4 20.2m MH-B5	57.4m MH-B6

Line BI

A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisonsgrrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS
SHEET 27 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS: **FAST TRACK CONSENT**

FAST TRACK CONSENT		
PROJECT No: A2515591.00	SCALES: 1:500 H ; 1:100 V - A1 1:1000 H ; 1:1200 V - A3	A1

DRAWING No:	REV
A2515591.00-5126	A

FOR CONSENT



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1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARDFILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 28 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: 1:500 H ; 1:100 V - A1 1:1000 H ; 1:1200 V - A3	A1
DRAWING No: A2515591.00-5127		REV A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE

Line BILine BJ

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES File: DATA\LOCAL\AUTODESK\C3D 2024\ENU\TEMPLATE C:\AUTODESK\ACCDOS\ACCDOS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01 DESIGN\02 CIVIL\04 SHEETS\A2515591.00-5101
WASTEWATER LONGITUDINAL SECTIONS.DWG

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



DRAWING No:	REV
A2515591.00-5129	A

1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



FOR CONSENT



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1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARDFILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 32 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A1
DRAWING No: A2515591.00-5131		REV A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



FOR CONSENT

A	FOR CONSENT		CJM	05/20
REF	REVISIONS		BY	DATE

**HARRISON
GRIERSON**

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 33 OF 43

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
ENW	04.2026		EN
DRAWN:	DATE:	SIGNED:	PLOT DATE:
ENW	04.2026		11/06/
CHECKED:	DATE:	SIGNED:	SURVEY BY:
PZS	05.2026		SURVEYED
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
C.I.M.	05.2026		SURVEYED NA

FAST TRACK CONSENT

PROJECT No:	SCALES: 1:500 H; 1:100 V - A1	A
-------------	-------------------------------	---

A2515591.00	1:1000 H; 1:1200 V • A3	A
DRAWING No:		REV

A2515591.00-5132

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



DRAWING No:	REV
A2515591.00-5133	A

FOR CONSENT

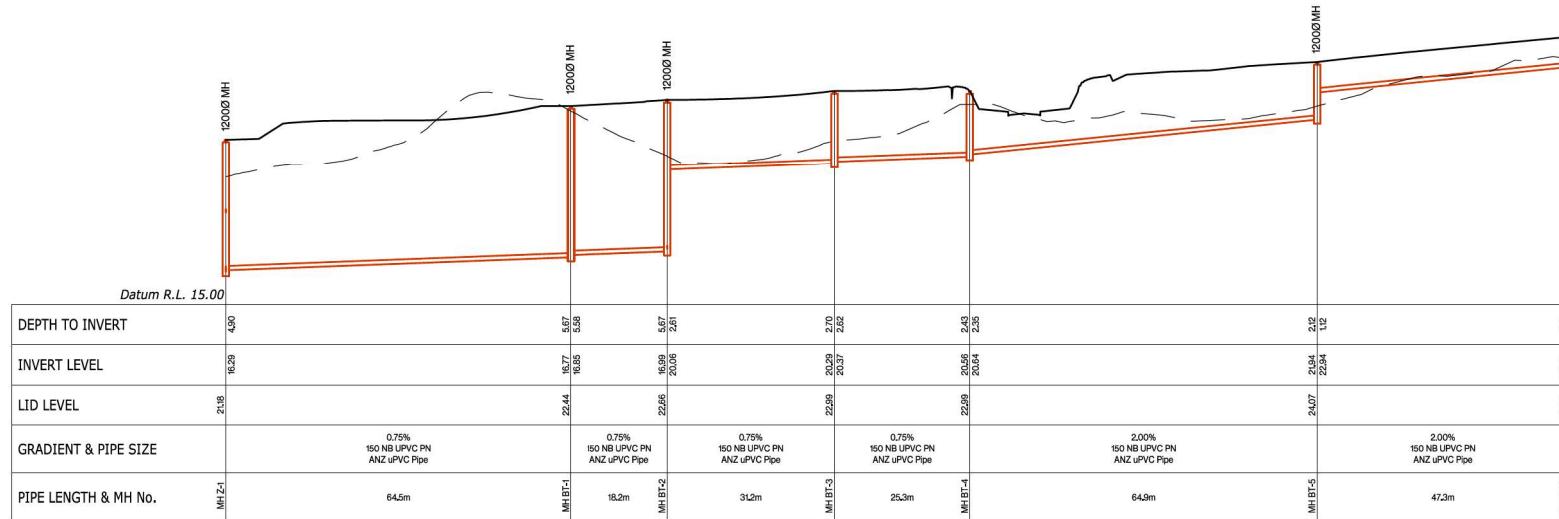
- NOTES:**
- LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
 - ALL ROAD CROSSINGS TO BE HARDFILL BACKFILLED TO ROAD SUBGRADE LEVEL.

LEGEND:

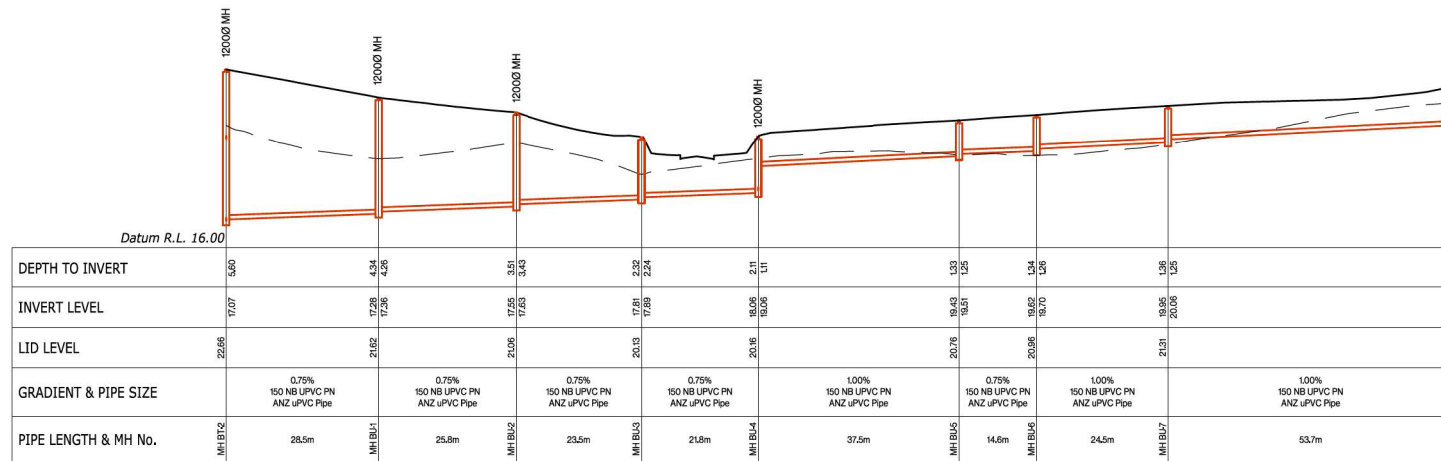
--- EXISTING LEVEL

— PROPOSED FINISHED LEVEL

— PROPOSED WASTEWATER LINE



Line BT



Line BU

A	FOR CONSENT	CJM	05/06/26
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS
SHEET 35 OF 43

ORIGINATOR	DATE	SIGNED	PLLOT BY
ENW	04/2026		ENW
DRAWN	DATE	SIGNED	PLLOT DATE
ENW	04/2026		11/06/26
CHECKED	DATE	SIGNED	SURVEY BY
PZS	05/2026		SURVEYED BY
APPROVED	DATE	SIGNED	SURVEY DATE
CJM	05/2026		

ISSUE STATUS:

FAST TRACK CONSENT	
PROJECT No:	SCALE: 1500 H; 1:100 V - A1
A2515591.00	1:1000 H; 1:1200 V - A3
DRAWING No:	REV
A2515591.00-5134	A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



**HARRISON
GRIERSON**

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

DRAWING No:	REV
A2515591.00-5135	A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



**HARRISON
GRIERSON**

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY:
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DA

DRAWING No:	REV
A2515591.00-5136	A

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES FILE: DATA\LOCAL\AUTODESK\C3D 2024\ENU\TEMPLATE C:\AUTODESK\ACCDOS\ACCDOS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01_DESIGN\02_CIVIL\04_SHEETS\A2515591.00-5100-WASTEWATER LONGITUDINAL SECTIONS.DWG



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1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



A	FOR CONSENT		CJM	0520	
REF	REVISIONS		BY	DATE	

**HARRISON
GRIERSON**

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS
SHEET 38 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/20
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS:		FAST TRACK CONSENT	
PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:200 V - A3	A1	
DRAWING No:			REV
A2515591.00-5137			A

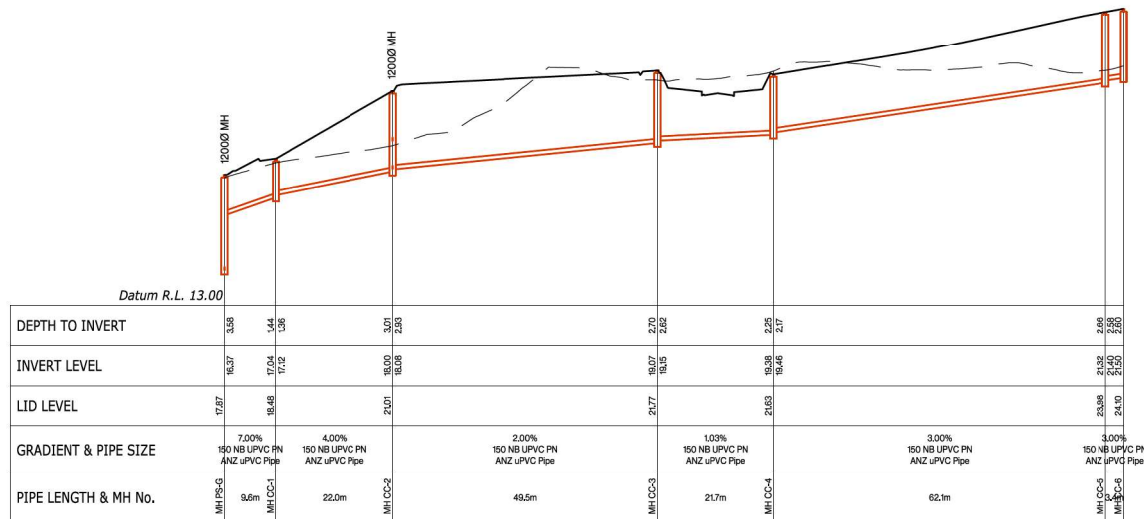
FOR CONSENT

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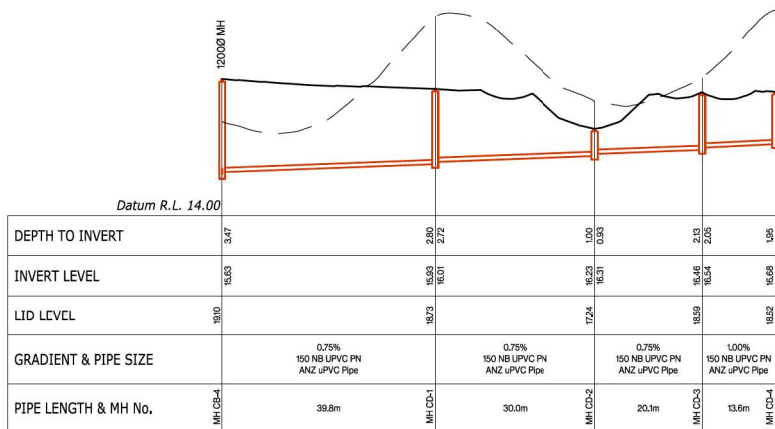
- LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
- ALL ROAD CROSSINGS TO BE HARDFILL BACKFILLED TO ROAD SUBGRADE LEVEL.

LEGEND:

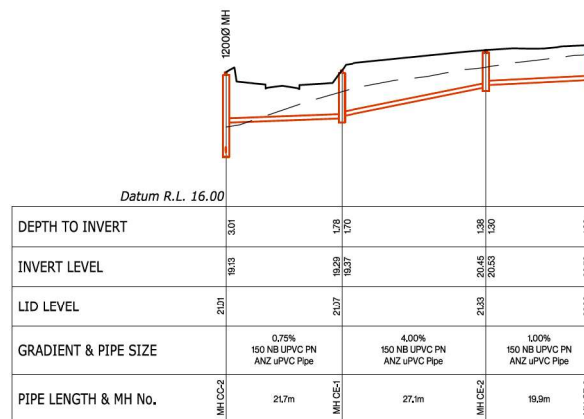
- EXISTING LEVEL
— PROPOSED FINISHED LEVEL
— PROPOSED WASTEWATER LINE



Line CC



Line CD



Line CE

FOR CONSENT

HARRISON GRIERSON AUCKLAND OFFICE Level 4, 96 St. Georges Bay Road Parnell, Auckland 1052 T +64 9 917 5000 W www.harrisongrierson.com

PROJECT: BEACHLANDS FAST TRACK CONSENT APPLICATION BEACHLANDS SOUTH, AUCKLAND

TITLE: WASTEWATER LONGITUDINAL SECTIONS SHEET 39 OF 43

ORIGINATOR: ENW DATE: 04/2026 SIGNED: PLOT BY: ENW
DRAWN: ENW DATE: 04/2026 SIGNED: PLOT DATE: 11/06/26
CHECKED: PZS DATE: 05/2026 SIGNED: SURVEYED BY: SURVEYED DATE: 05/2026
APPROVED: C.J.M. DATE: 05/2026 SIGNED: SURVEYED DATE: 05/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00 SCALES: 1500 H: 1:100 V: A1 1:1000 H: 1:1200 V: A3

DRAWING No: A2515591.00-5138 REV A

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



**HARRISON
GRIERSON**

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/20
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

DRAWING No:	REV
A2515591.00-5139	A

FOR CONSENT



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1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE

Line CJ

A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WASTEWATER LONGITUDINAL SECTIONS
SHEET 41 OF 43

ORIGINATOR ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED
APPROVED: C.I.M.	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS:

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A
DRAWING No:		REV
A2515591.00-5140		A

FOR CONSENT

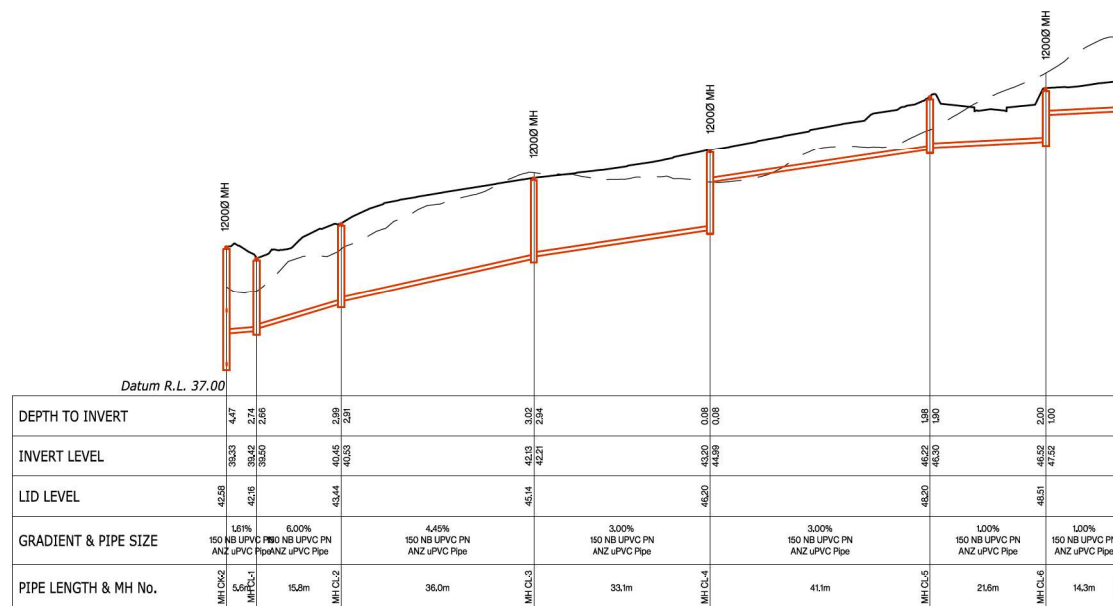
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NOTES:

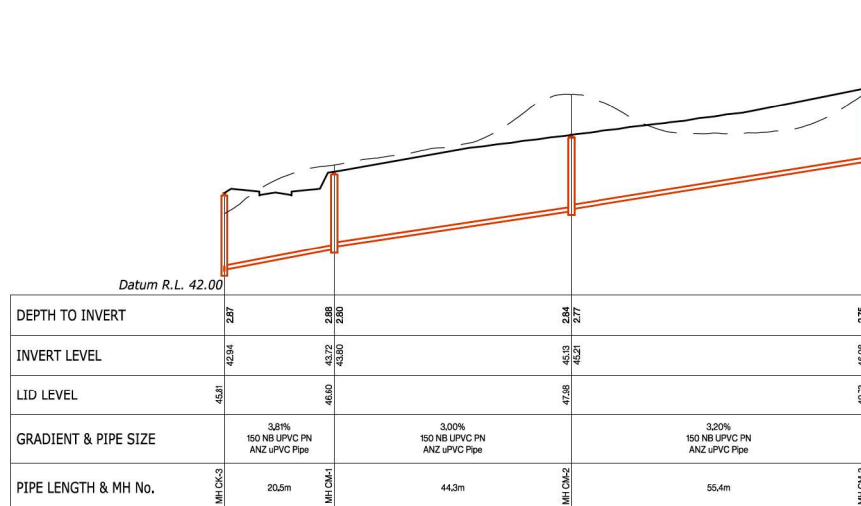
1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. ALL ROAD CROSSINGS TO BE HARD FILL BACKFILLED TO ROAD SUBGRADE LEVEL.

LEGEND:

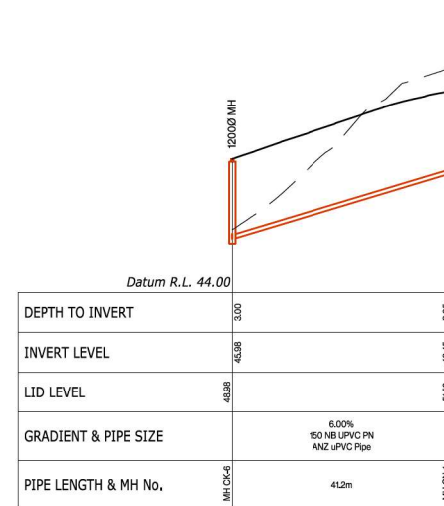
 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



Line CL



Line CM



Line CN

A	FOR CONSENT	CJM	05/20
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisingrierson.com

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

WASTEWATER LONGITUDINAL SECTIONS

SHEET 42 OF 43

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED BY
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DATE

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A1
----------------------------	--	----

DRAWING No:	REV
A2515591.00-5141	A

FOR CONSENT

 EXISTING LEVEL
 PROPOSED FINISHED LEVEL
 PROPOSED WASTEWATER LINE



**HARRISON
GRIERSON**

ORIGINATOR: ENW	DATE: 04.2026	SIGNED:	PLOT BY: ENW
DRAWN: ENW	DATE: 04.2026	SIGNED:	PLOT DATE: 11/06/2025
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: SURVEYED
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE: SURVEYED DA

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:1200 V - A3	A1
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DRAWING No:	REV
A2515591.00-5142	A

FOR CONSENT

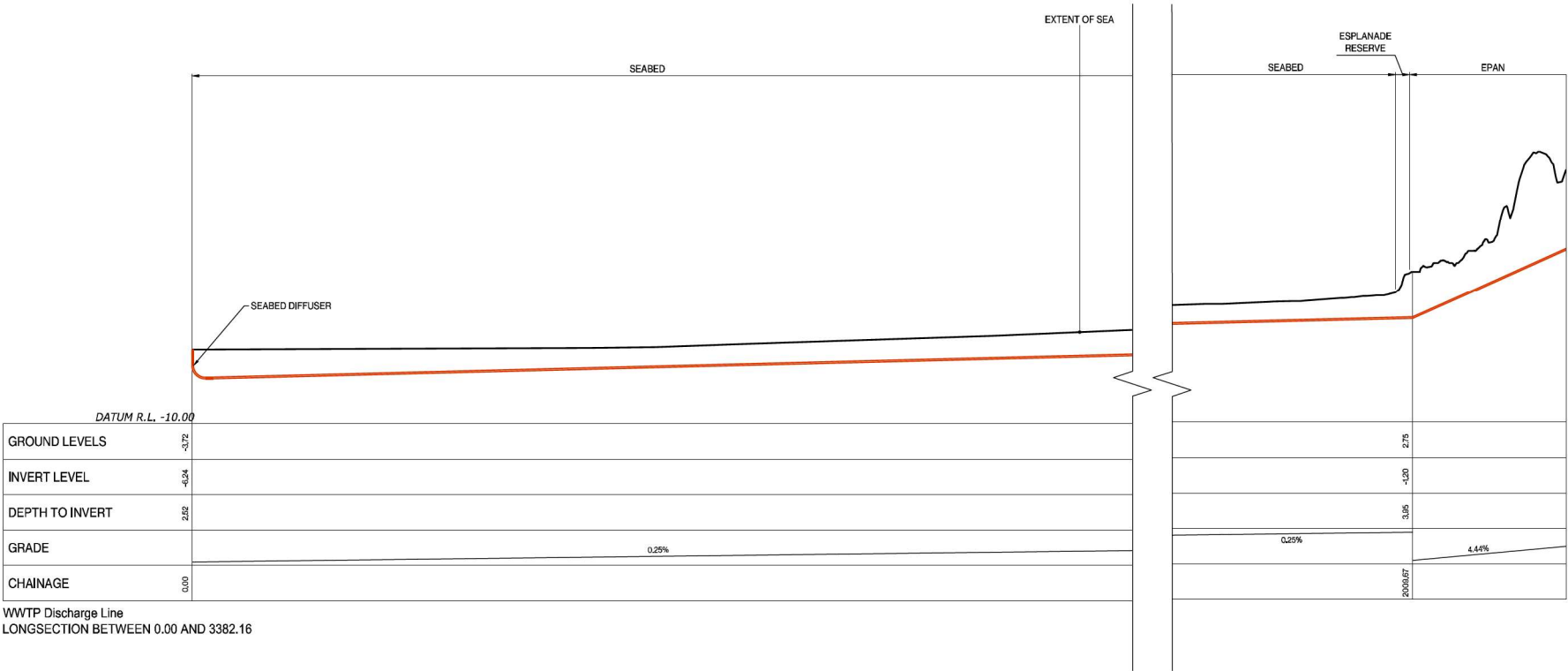
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NOTES:

1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
2. GROUND LEVELS ARE SHOWN RELATIVE TO SEABED, EXISTING LEVELS, OR PROPOSED LEVELS, SUBJECT TO LOCATION AS SHOWN ON THE LONG SECTIONS.
3. REFER TO DWG A2515591.00-5036 FOR LOCATION OF THE WASTEWATER DISCHARGE LINE.

LEGEND:

-  PROPOSED FINISHED LEVEL
-  PROPOSED 125PE WASTEWATER LINE



B	FOR CONSENT	CJM	06/2026
A	FOR CONSENT	CJM	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisingrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WWTP DISCHARGE LINE LONGSECTIONS
SHEET 1 OF 2

ORIGINATOR SCT	DATE 05/2026	SIGNED	PLOT BY	SUT
DRAWN SCT	DATE 05/2026	SIGNED	PLOT DATE	11/06/26
CHECKED PZS	DATE 05/2026	SIGNED	SURVEY BY	SURVEYED BY
APPROVED CJM	DATE 05/2026	SIGNED	SURVEY DATE	SURVEYED DATE

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: 12000 H : 1200 V - A1 14000 H : 1400 V - A3	REV A
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DRAWING No:
A2515591.00-5150

REV
A

FOR CONSENT

- NOTES:**
1. LONGITUDINAL SECTIONS ARE SHOWN WITH A 5x VERTICAL EXAGGERATION.
 2. GROUND LEVELS ARE SHOWN RELATIVE TO SEABED, EXISTING LEVELS, OR PROPOSED LEVELS, SUBJECT TO LOCATION AS SHOWN ON THE LONG SECTIONS.
 3. REFER TO DWG A2515591.00-5036 FOR LOCATION OF THE WASTEWATER DISCHARGE LINE.

LEGEND:

PROPOSED FINISHED LEVEL

PROPOSED 125PE WASTEWATER LINE

B	FOR CONSENT	CJM	06/2026
A	FOR CONSENT	CJM	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WWTP DISCHARGE LINE LONGSECTIONS
SHEET 2 OF 2

ORIGINATOR SCT	DATE 05/2026	SIGNED	PLOT BY:	SUT
DRAWN SCT	DATE 05/2026	SIGNED	PLOT DATE:	11/06/26
CHECKED PZS	DATE 05/2026	SIGNED	SURVEY BY:	SURVEYED BY
APPROVED CJM	DATE 05/2026	SIGNED	SURVEY DATE:	SURVEYED DATE

FAST TRACK CONSENT				
PROJECT No:	A2515591.00	SCALES:	12000 H : 1200 V - A1 14000 H : 1400 V - A3	A1
DRAWING No:	A2515591.00-5151	REV		B

FOR CONSENT