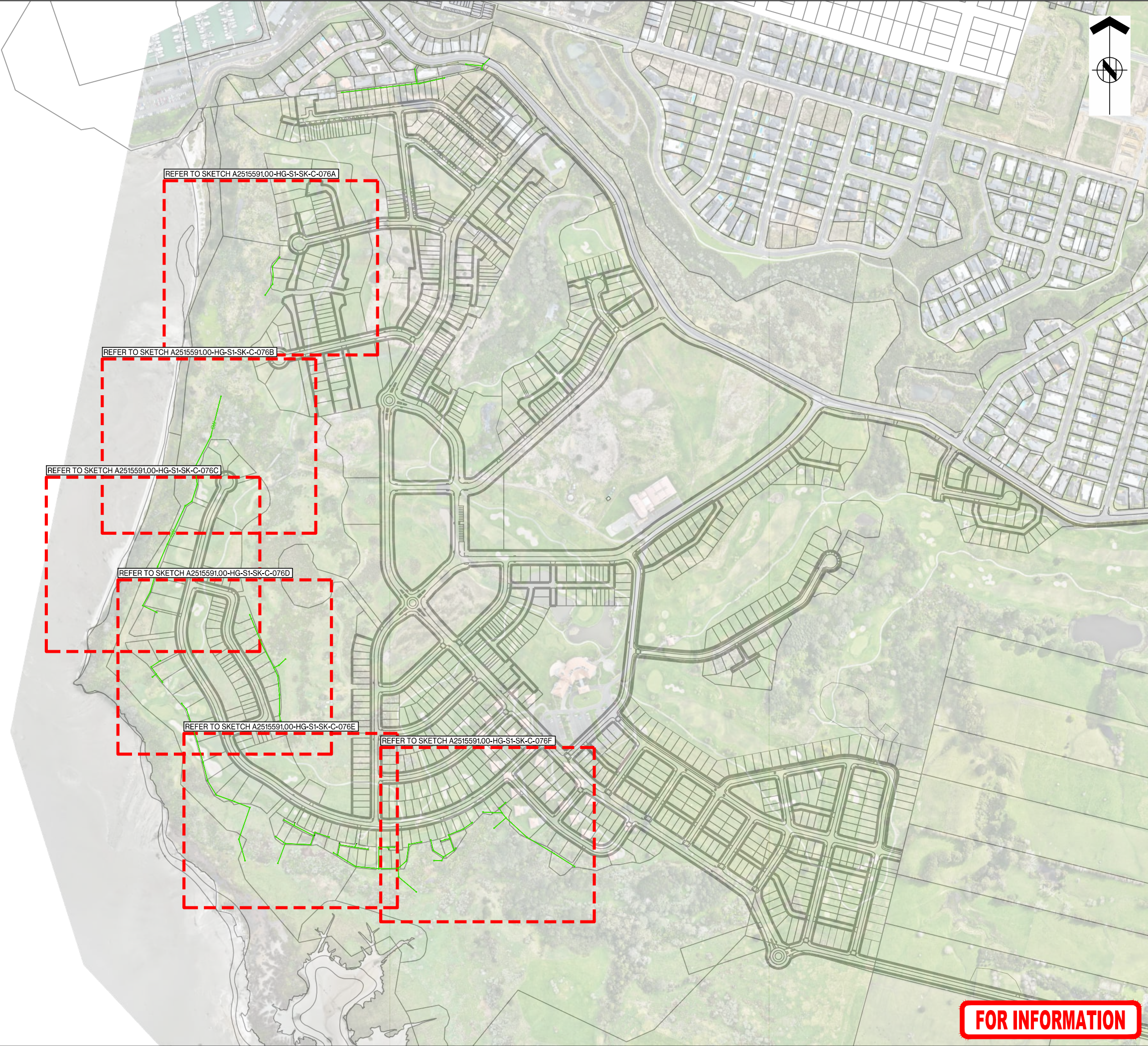


Appendix I HG Proposed Plans

HG's Drawings (DRAFT FOR INFORMATION ONLY):

- ~~A2001228.00 HG-S1-SK-C-036 & -036A to -036C~~ ~~PROPOSED AND EXISTING CONTOURS [Rev A, 05.2026]~~
- ~~A2515591.00 HG-S1-SK-C-037~~ ~~CUT/FILL VOLUME [Rev A, 25.05.2026]~~
- ~~A2515591.00 HG-S1-SK-C-078 & -078A to -078J~~ ~~RETAINING WALL PLAN [Rev A, 25.05.2026]~~
- ~~A2515591.00-2700 to -2707~~ ~~RETAINING WALL LONGSECTION [Rev A, 25.05.2026]~~
- A2515591.00-HG-S-1-SK-C-076 & -076A to -076F COASTAL AREA STORMWATER PLAN [Rev A, 25.05.2026]





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LEGEND:

 PROPOSED STORMWATER LINE

 FINISHED CONTOURS
SHOWN AT 0.5m INTERVALS

 FINISHED CONTOURS
SHOWN AT 1.0m INTERVALS

A	FOR INFORMATION	CJM	05/2026
REF	REVISIONS	BY	DATE

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT PACKAGE
BEACHLANDS SOUTH, AUCKLAND

TITLE:

COASTAL AREA
STORMWATER PLAN

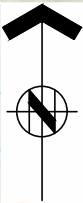
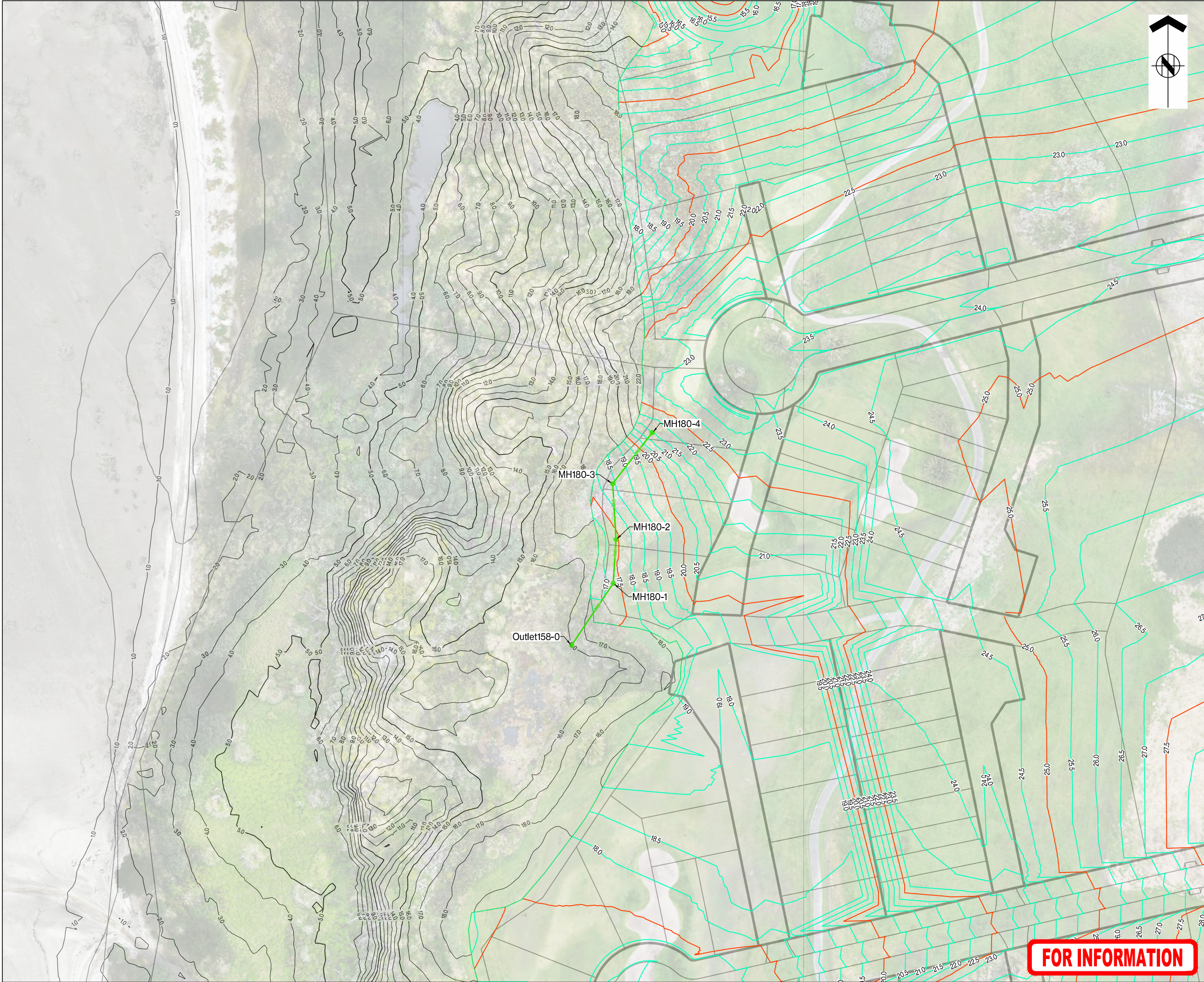
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SCT	05.2025		SUT
DRAWN:	DATE:	SIGNED:	PLOT DATE:
SCT	05.2026		25/05/26
CHECKED:	DATE:	SIGNED:	SURVEY BY:
PZS	05.2026		
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
CJM	05.2026		

ISSUE STATUS:

FOR INFORMATION

PROJECT No: A2515591.00	SCALES: 1:3000 A1 1:6000 A3	A1
DRAWING No: A2515591.00-HG-S-1-SK-C-076		REV A

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LEGEND:

-  PROPOSED STORMWATER LINE
-  FINISHED CONTOURS
SHOWN AT 0.5m INTERVALS
-  FINISHED CONTOURS
SHOWN AT 1.0m INTERVALS

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT PACKAGE
BEACHLANDS SOUTH, AUCKLAND

TITLE:

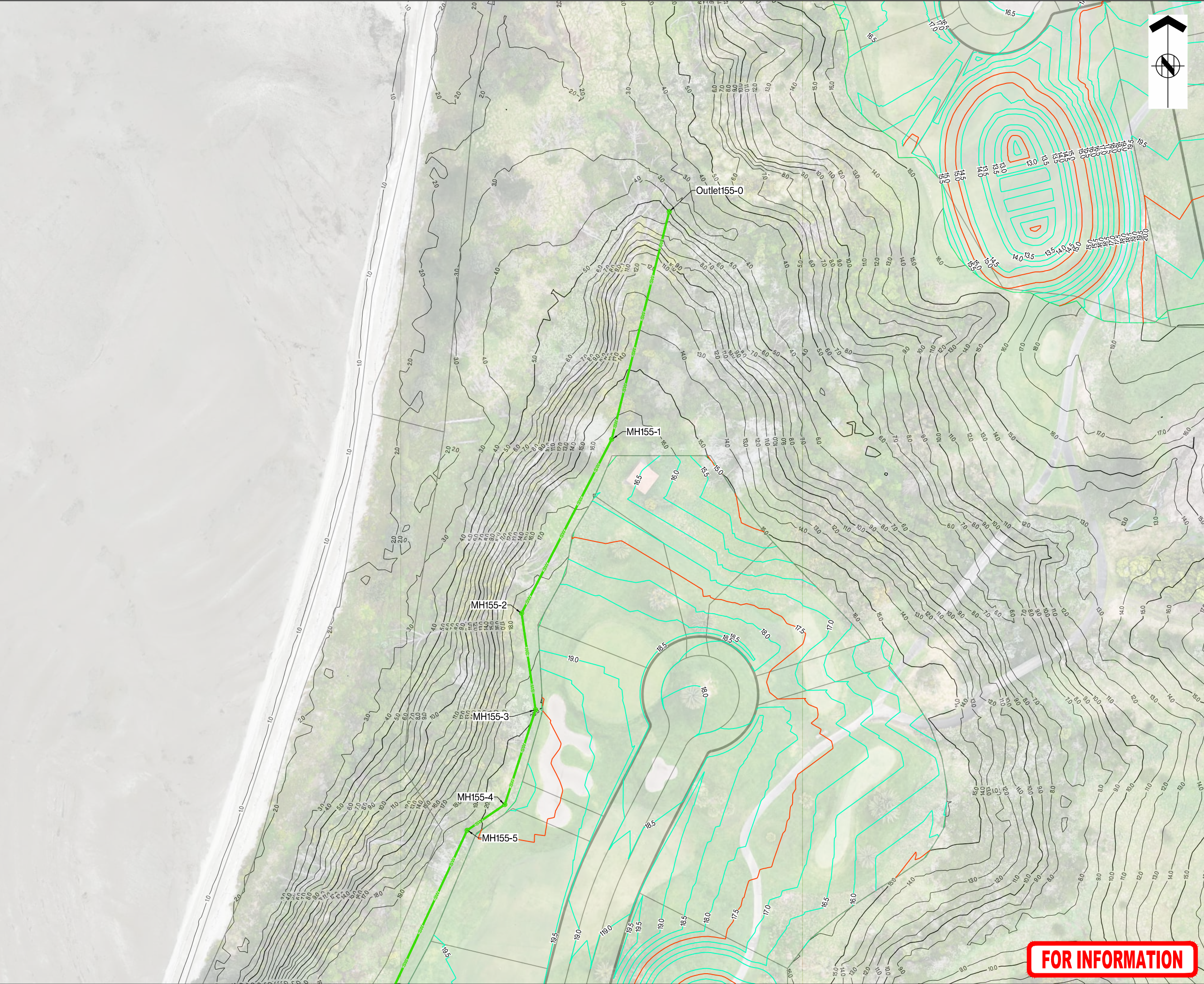
COASTAL AREA
STORMWATER PLAN
SHEET 1 OF 6

ORIGINATOR: SCT	DATE: 05.2026	SIGNED:	PLOT BY: SUT
DRAWN: SCT	DATE: 05.2026	SIGNED:	PLOT DATE: 25/05/26
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE:

ISSUE STATUS: FOR INFORMATION

PROJECT No: A2515591.00	SCALES: 1:500 A1 1:1000 A3	A1
DRAWING No: A2515591.00-HG-S-1-SK-C-076A		REV A

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LEGEND:



PROPOSED STORMWATER LINE



FINISHED CONTOURS
SHOWN AT 0.5m INTERVALS



FINISHED CONTOURS
SHOWN AT 1.0m INTERVALS

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT PACKAGE
BEACHLANDS SOUTH, AUCKLAND

TITLE:

COASTAL AREA
STORMWATER PLAN
SHEET 2 OF 5

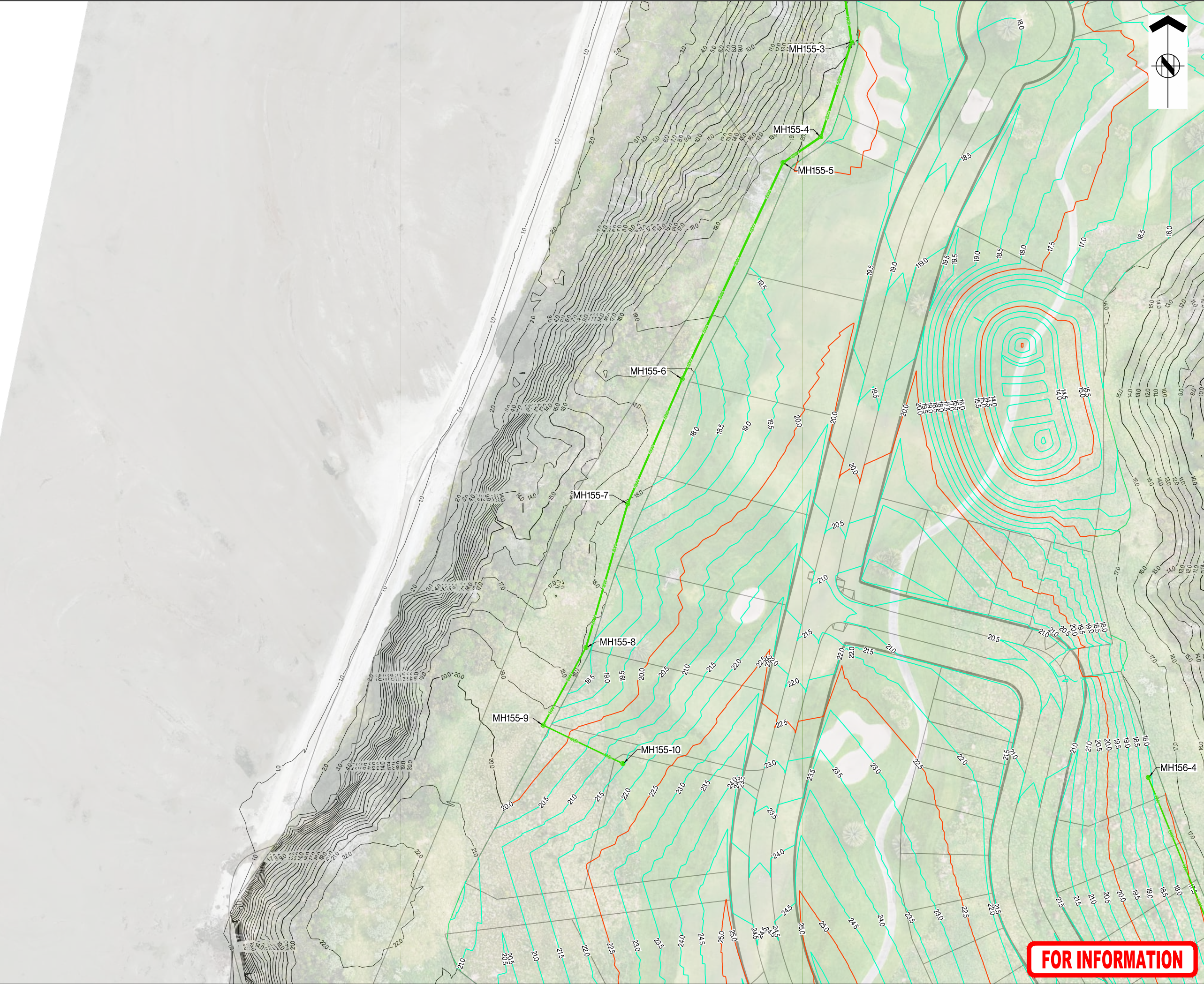
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PZS	05.2026		
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
CJM	05.2026		
ISSUE STATUS:			

FOR INFORMATION

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DRAWING No:	REV	
A2515591.00-HG-S-1-SK-C-076B	A	

FOR INFORMATION

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LEGEND:



PROPOSED STORMWATER LINE



FINISHED CONTOURS
SHOWN AT 0.5m INTERVALS



FINISHED CONTOURS
SHOWN AT 1.0m INTERVALS

A	FOR INFORMATION	CJM	05/2026
REF	REVISIONS	BY	DATE

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT PACKAGE
BEACHLANDS SOUTH, AUCKLAND

TITLE:

COASTAL AREA
STORMWATER PLAN
SHEET 3 OF 6

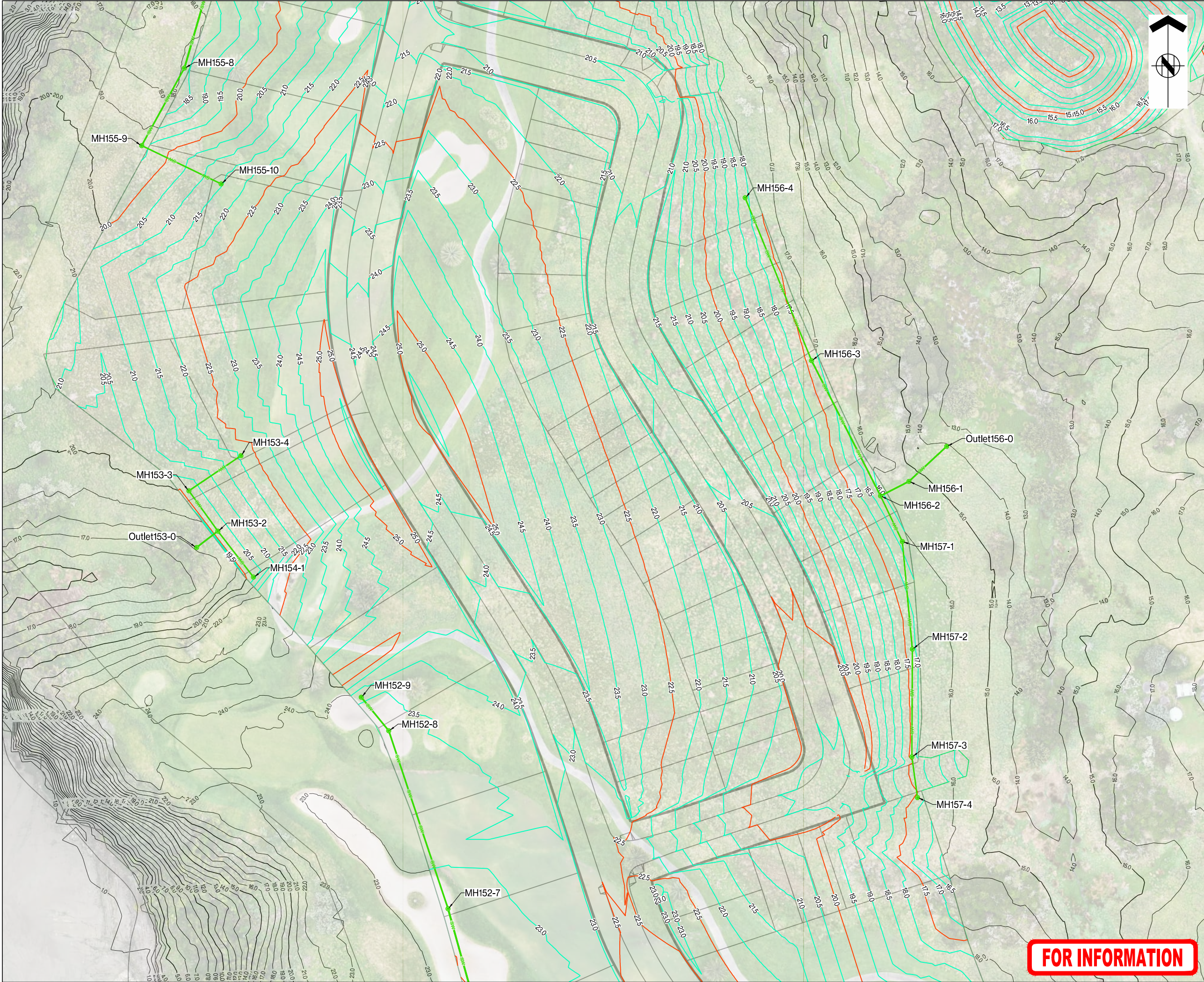
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SCT	05.2026		25/05/26
CHECKED:	DATE:	SIGNED:	SURVEY BY:
PZS	05.2026		
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
CJM	05.2026		

ISSUE STATUS:

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PROJECT No: A2515591.00	SCALES: 1:500 A1 1:1000 A3	A1
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LEGEND:

 PROPOSED STORMWATER LINE

 FINISHED CONTOURS
SHOWN AT 0.5m INTERVALS

 FINISHED CONTOURS
SHOWN AT 1.0m INTERVALS

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT PACKAGE
BEACHLANDS SOUTH, AUCKLAND

TITLE:

COASTAL AREA
STORMWATER PLAN
SHEET 4 OF 6

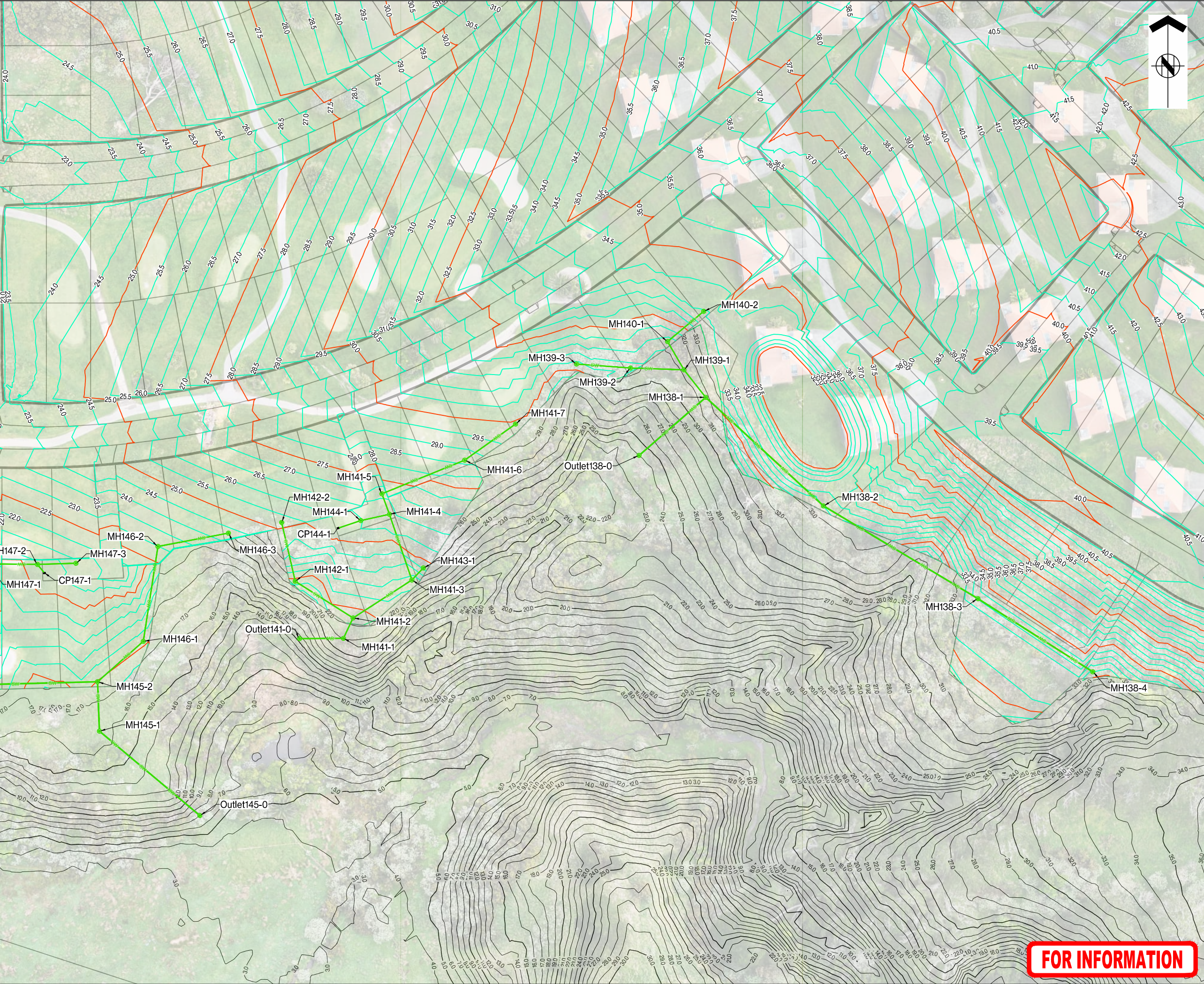
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CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:

FOR INFORMATION

PROJECT No: A2515591.00	SCALES: 1:500 A1 1:1000 A3	A1
DRAWING No: A2515591.00-HG-S-1-SK-C-076D		REV A

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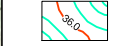


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LEGEND:

-  PROPOSED STORMWATER LINE
-  FINISHED CONTOURS
SHOWN AT 0.5m INTERVALS
-  FINISHED CONTOURS
SHOWN AT 1.0m INTERVALS

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REF	REVISIONS	BY	DATE

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

TITLE:
**COASTAL AREA
STORMWATER PLAN
SHEET 6 OF 6**

ORIGINATOR: SCT	DATE: 05.2026	SIGNED:	PLOT BY: SUT
DRAWN: SCT	DATE: 05.2026	SIGNED:	PLOT DATE: 25/05/26
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:
FOR INFORMATION

PROJECT No: A2515591.00	SCALES: 1:500 A1 1:1000 A3	A1
DRAWING No: A2515591.00-HG-S-1-SK-C-076F	REV	A

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— — — — — EXISTING LEVEL
 ————— PROPOSED FINISHED LEVEL
 ===== PROPOSED STORMWATER LINE
 ===== HYDRAULIC GRADE LINE



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REF	REVISIONS		BY	DATE	

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT PACKAGE
BEACHLANDS SOUTH, AUCKLAND

TITLE:

COASTAL AREA
STORMWATER LONGSECTIONS
SHEET 1 OF 8

ORIGINATOR: SCT	DATE: 05.2026	SIGNED:	PLOT BY:
DRAWN: SCT	DATE: 05.2026	SIGNED:	PLOT DATE: 25/05/2026
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE:

ISSUE STATUS: FOR INFORMATION

PROJECT No: A2515591.00	SCALES: 1:500 H; 1:100 V - A1 1:1000 H; 1:200 V - A3	A
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DRAWING No:	REV
A2515591.00-HG-S-1-SK-C-077A	A

FOR INFORMATION

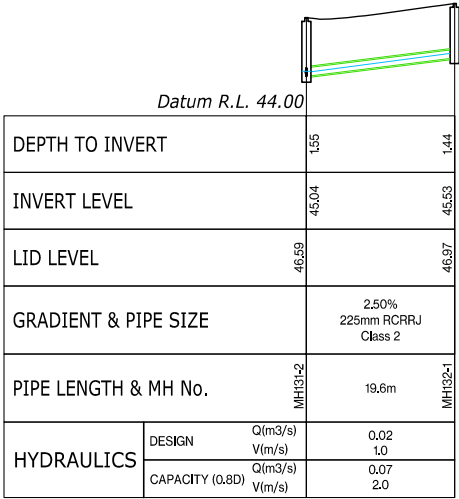
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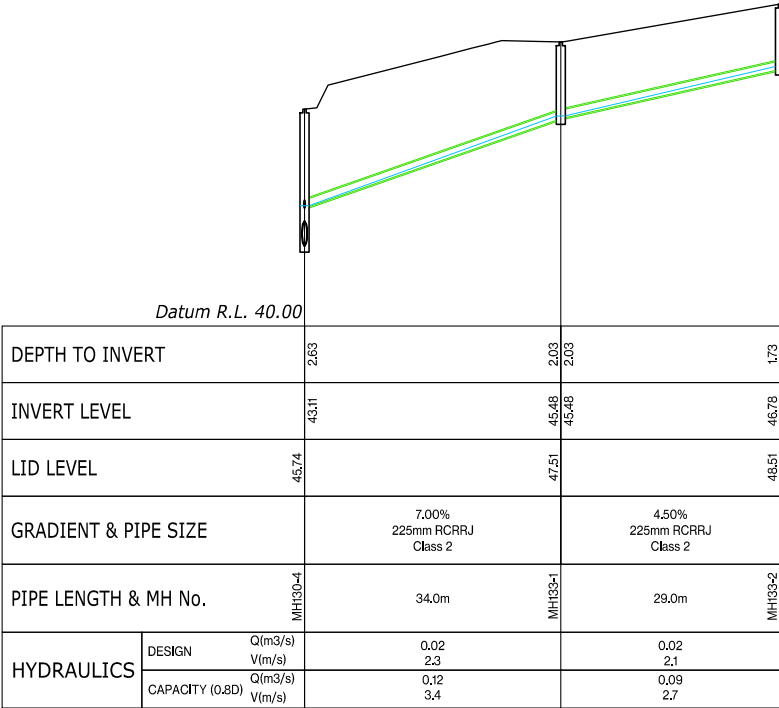
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PROPOSED STORMWATER LINE

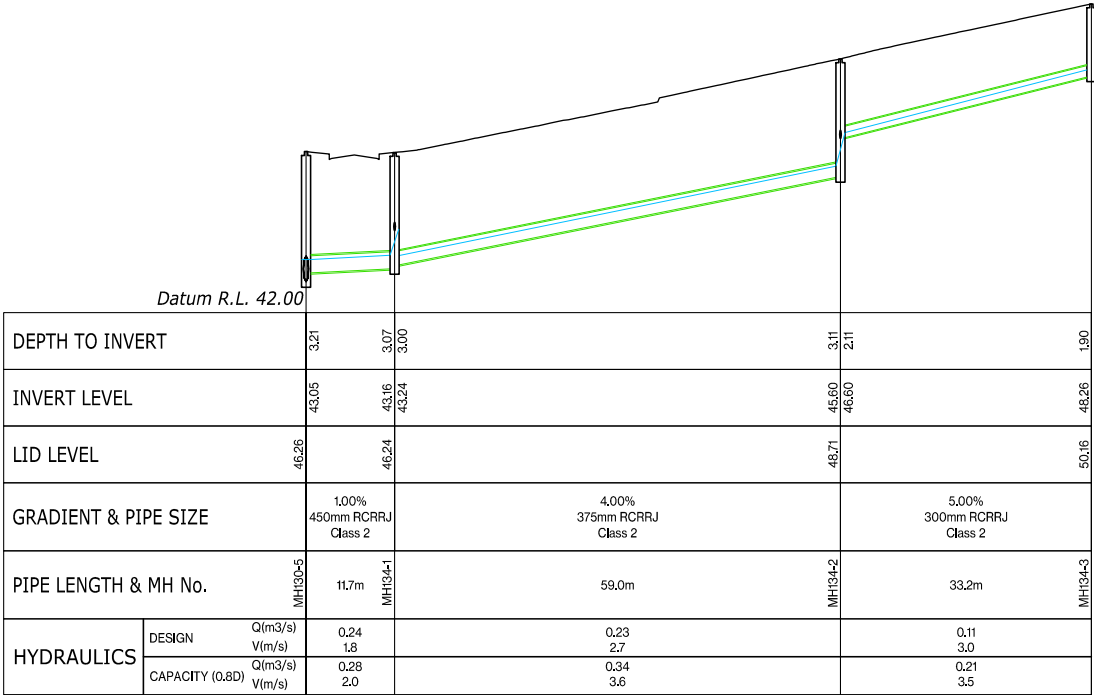
HYDRAULIC GRADE LINE



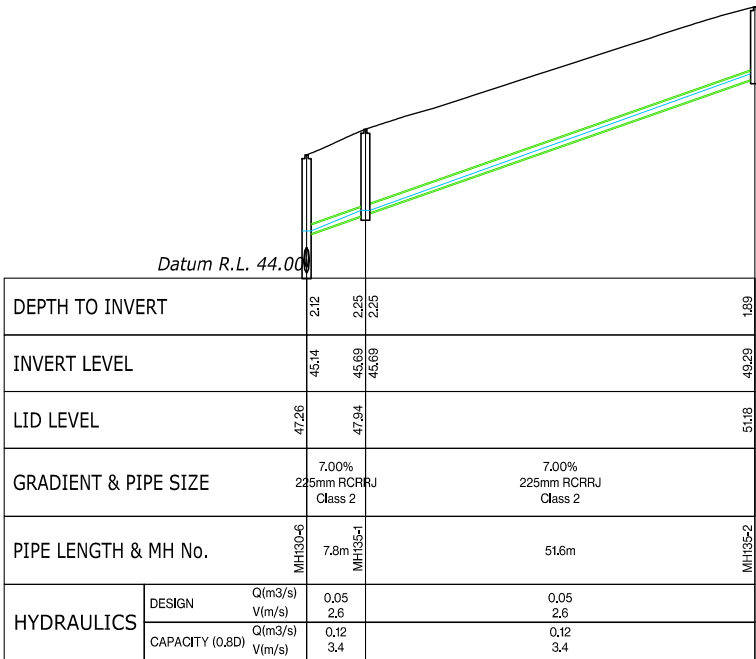
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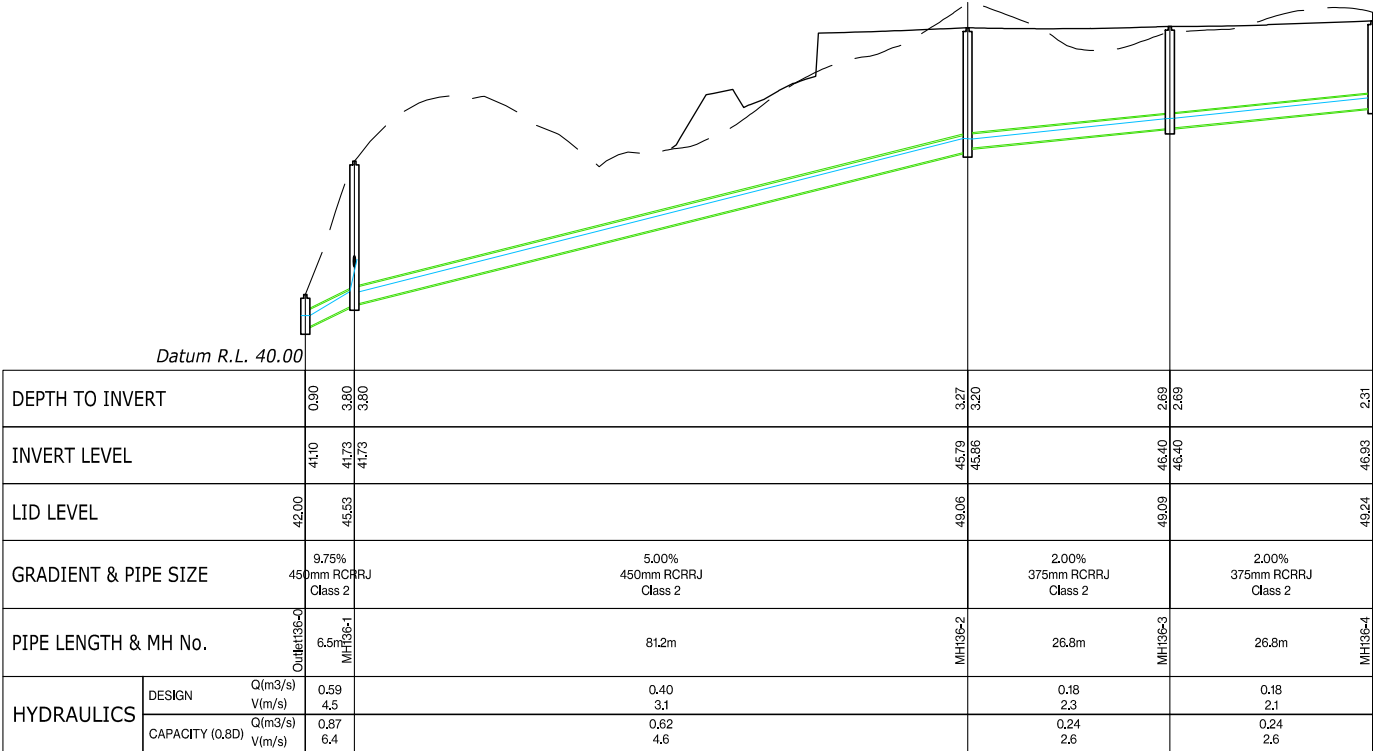
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SW Line 134



SW Line 135



SW Line 136

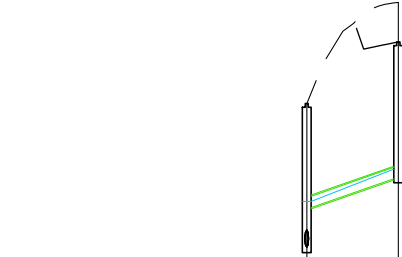
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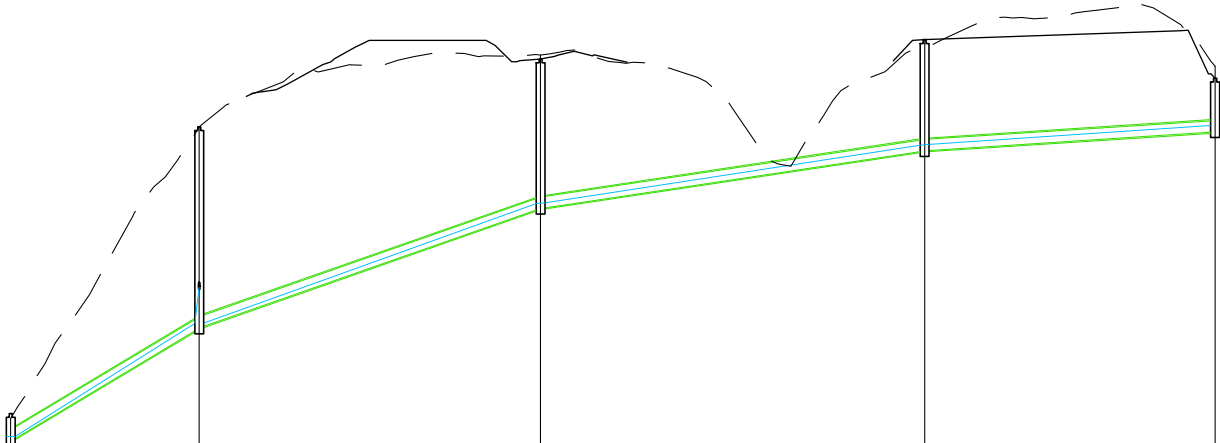
LEGEND:

- EXISTING LEVEL
- PROPOSED FINISHED LEVEL
- PROPOSED STORMWATER LINE
- HYDRAULIC GRADE LINE



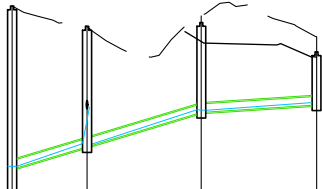
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DEPTH TO INVERT		2.80	3.58
INVERT LEVEL		42.73	43.58
LID LEVEL		45.53	47.16
GRADIENT & PIPE SIZE		7.00% 300mm RCRRJ Class 2	
PIPE LENGTH & MH No.		MH139-1	MH137-1
HYDRAULICS	DESIGN	Q(m ³ /s) V(m/s)	0.18 3.5
	CAPACITY (0.8D)	Q(m ³ /s) V(m/s)	0.25 4.1

SW Line 137



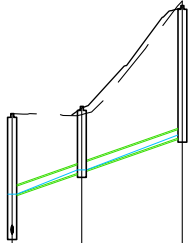
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LID LEVEL		24.13	31.72	33.51	33.00
GRADIENT & PIPE SIZE		11.98% 300mm RCRRJ Class 2	7.00% 300mm RCRRJ Class 2	3.00% 300mm RCRRJ Class 2	1.30% 300mm RCRRJ Class 2
PIPE LENGTH & MH No.		25.1m	45.3m	50.8m	38.4m
HYDRAULICS	DESIGN	Q(m ³ /s) V(m/s)	0.12 4.1	0.09 3.2	0.06 1.5
	CAPACITY (0.8D)	Q(m ³ /s) V(m/s)	0.33 5.4	0.25 4.1	0.11 1.8

SW Line 138



Datum R.L. 26.00					
DEPTH TO INVERT		4.32	3.18	1.88	1.26
INVERT LEVEL		27.40	27.69	28.90	29.10
LID LEVEL		31.72	31.17	31.28	30.50
GRADIENT & PIPE SIZE		6.00% 225mm RCRRJ Class 2	6.00% 225mm RCRRJ Class 2	1.30% 225mm RCRRJ Class 2	
PIPE LENGTH & MH No.		9.9m	15.1m	15.3m	
HYDRAULICS	DESIGN	Q(m ³ /s) V(m/s)	0.03 2.2	0.02 1.4	0.01 1.0
	CAPACITY (0.8D)	Q(m ³ /s) V(m/s)	0.11 3.2	0.11 3.2	0.05 1.5

SW Line 139



Datum R.L. 26.00			
DEPTH TO INVERT		2.18	3.40
INVERT LEVEL		28.59	30.57
LID LEVEL		31.17	34.03
GRADIENT & PIPE SIZE		7.00% 225mm RCRRJ Class 2	7.00% 225mm RCRRJ Class 2
PIPE LENGTH & MH No.		9.2m	13.3m
HYDRAULICS	DESIGN	Q(m ³ /s) V(m/s)	0.01 1.9
	CAPACITY (0.8D)	Q(m ³ /s) V(m/s)	0.12 3.4

SW Line 140

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

TITLE:
**COASTAL AREA
STORMWATER LONGSECTIONS
SHEET 3 OF 8**

ORIGINATOR: SCT	DATE: 05.2026	SIGNED:	PLOT BY: SUT
DRAWN: SCT	DATE: 05.2026	SIGNED:	PLOT DATE: 25/05/26
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:
FOR INFORMATION

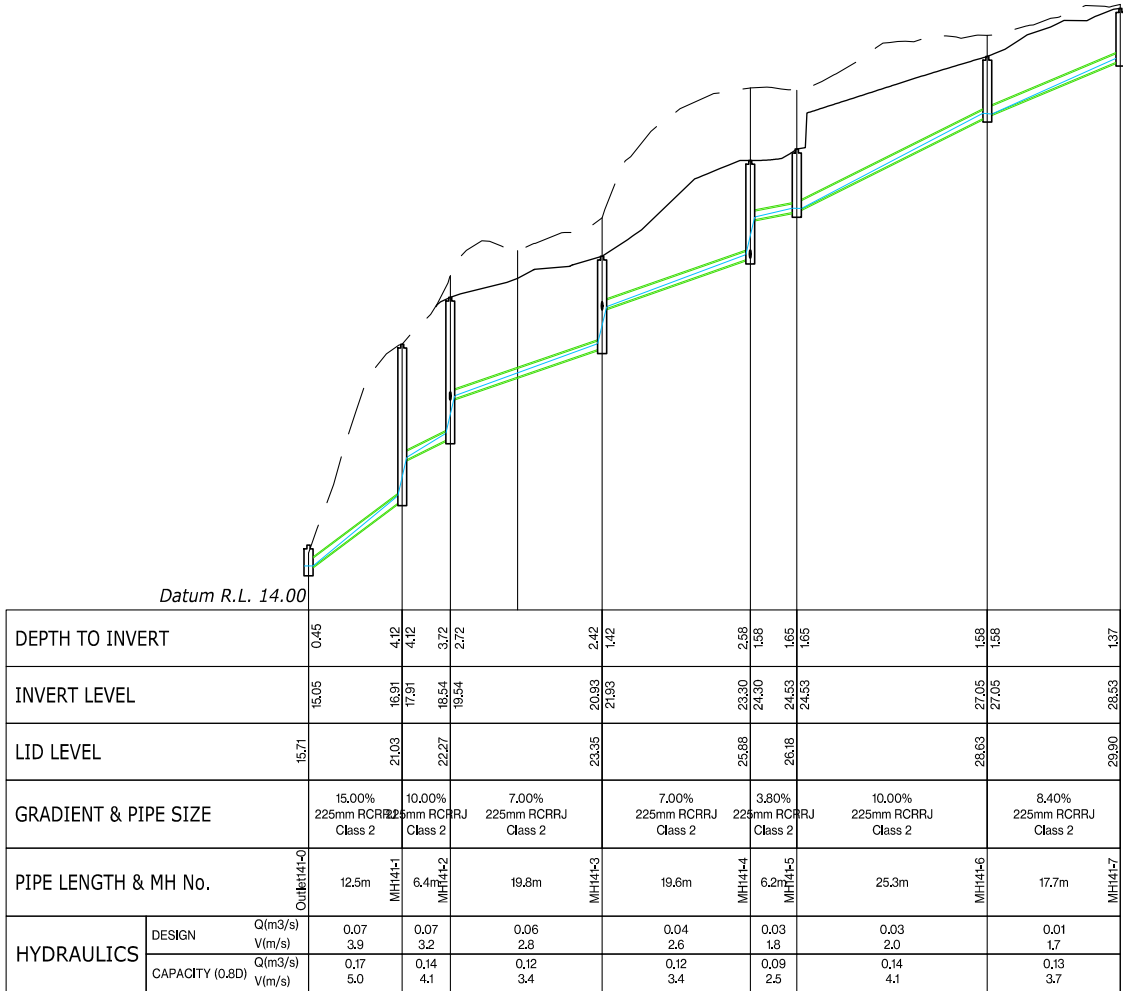
PROJECT No: A2515591.00	SCALES: 1:500 H : 1:100 V - A1 1:1000 H : 1:200 V - A3	A1
DRAWING No: A2515591.00-HG-S-1-SK-C-077C	REV A	



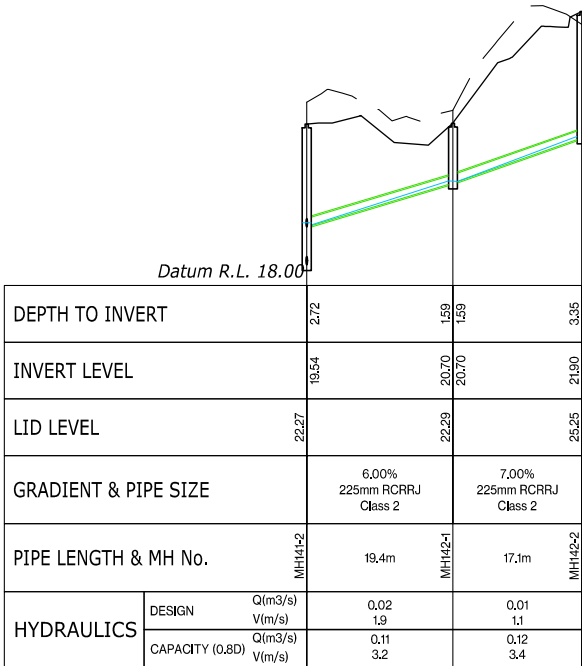
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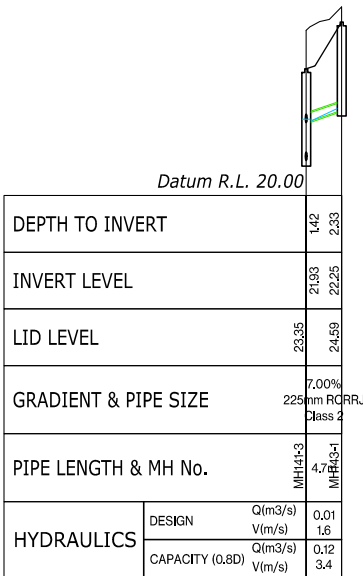
- EXISTING LEVEL
- PROPOSED FINISHED LEVEL
- PROPOSED STORMWATER LINE
- HYDRAULIC GRADE LINE



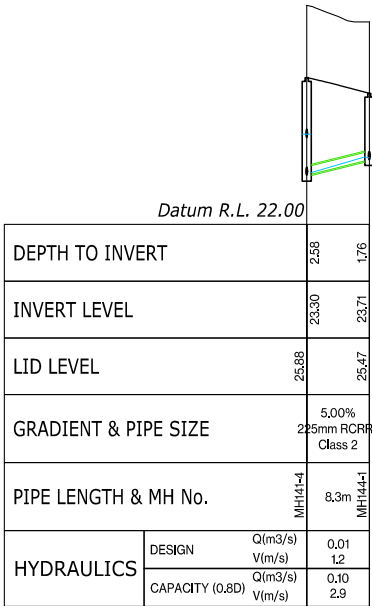
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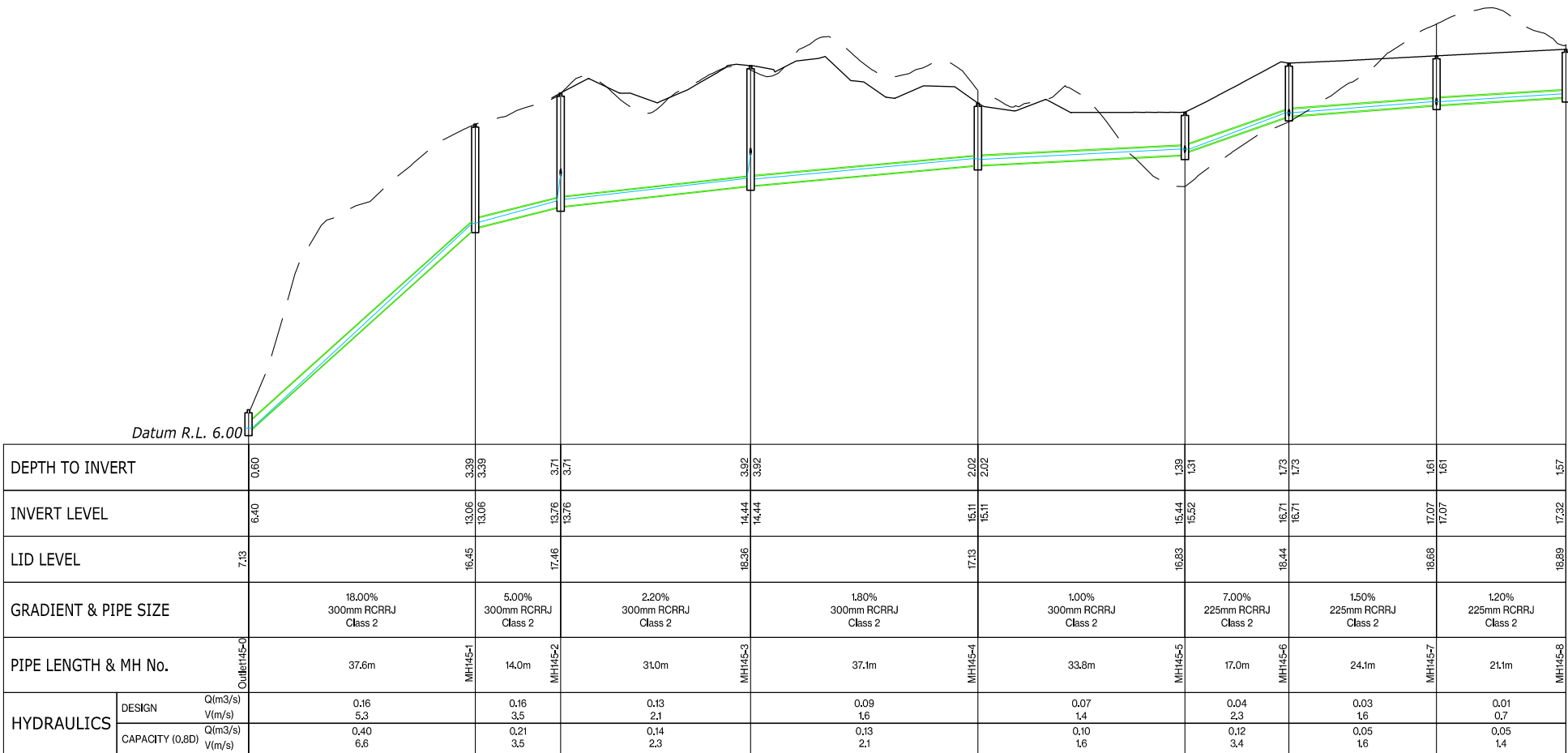
SW Line 142



SW Line 143



SW Line 144



SW Line 145

FOR INFORMATION

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REF	REVISIONS	BY	DATE

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T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT PACKAGE
BEACHLANDS SOUTH, AUCKLAND

TITLE:

COASTAL AREA
STORMWATER LONGSECTIONS
SHEET 4 OF 8

ORIGINATOR: SCT	DATE: 05/2026	SIGNED:	PLOT BY: SUT
DRAWN: SCT	DATE: 05/2026	SIGNED:	PLOT DATE: 25/05/26
CHECKED: PZS	DATE: 05/2026	SIGNED:	SURVEY BY:
APPROVED: CJM	DATE: 05/2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:

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

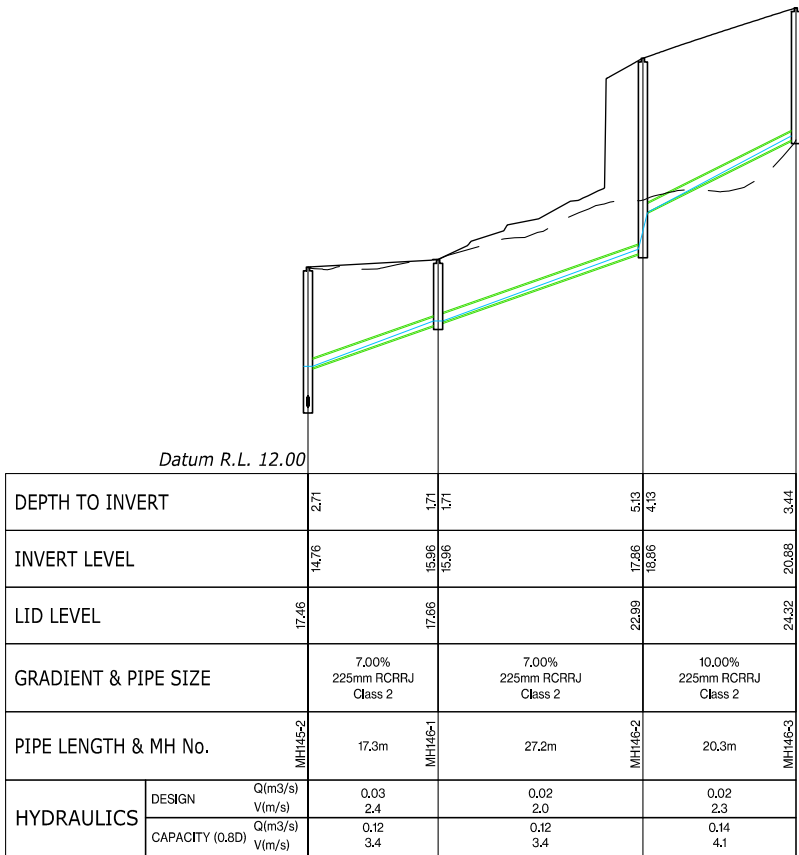
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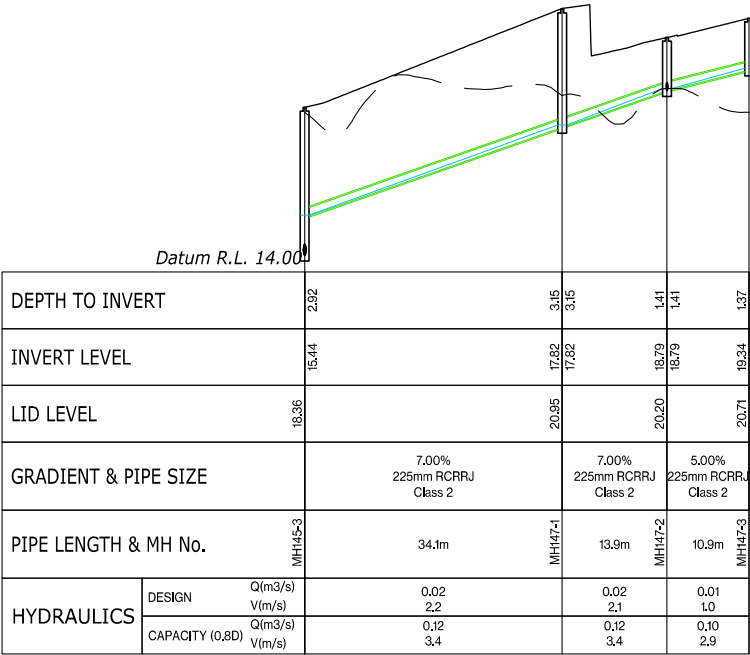
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LEGEND:

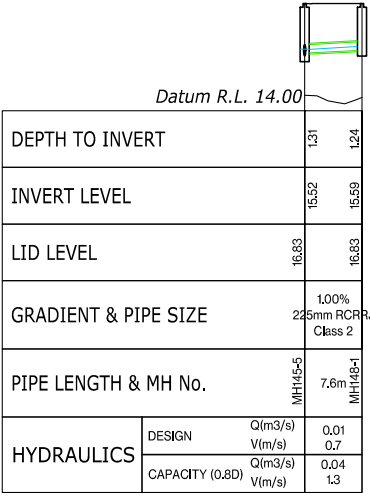
- EXISTING LEVEL
— PROPOSED FINISHED LEVEL
— PROPOSED STORMWATER LINE
— HYDRAULIC GRADE LINE



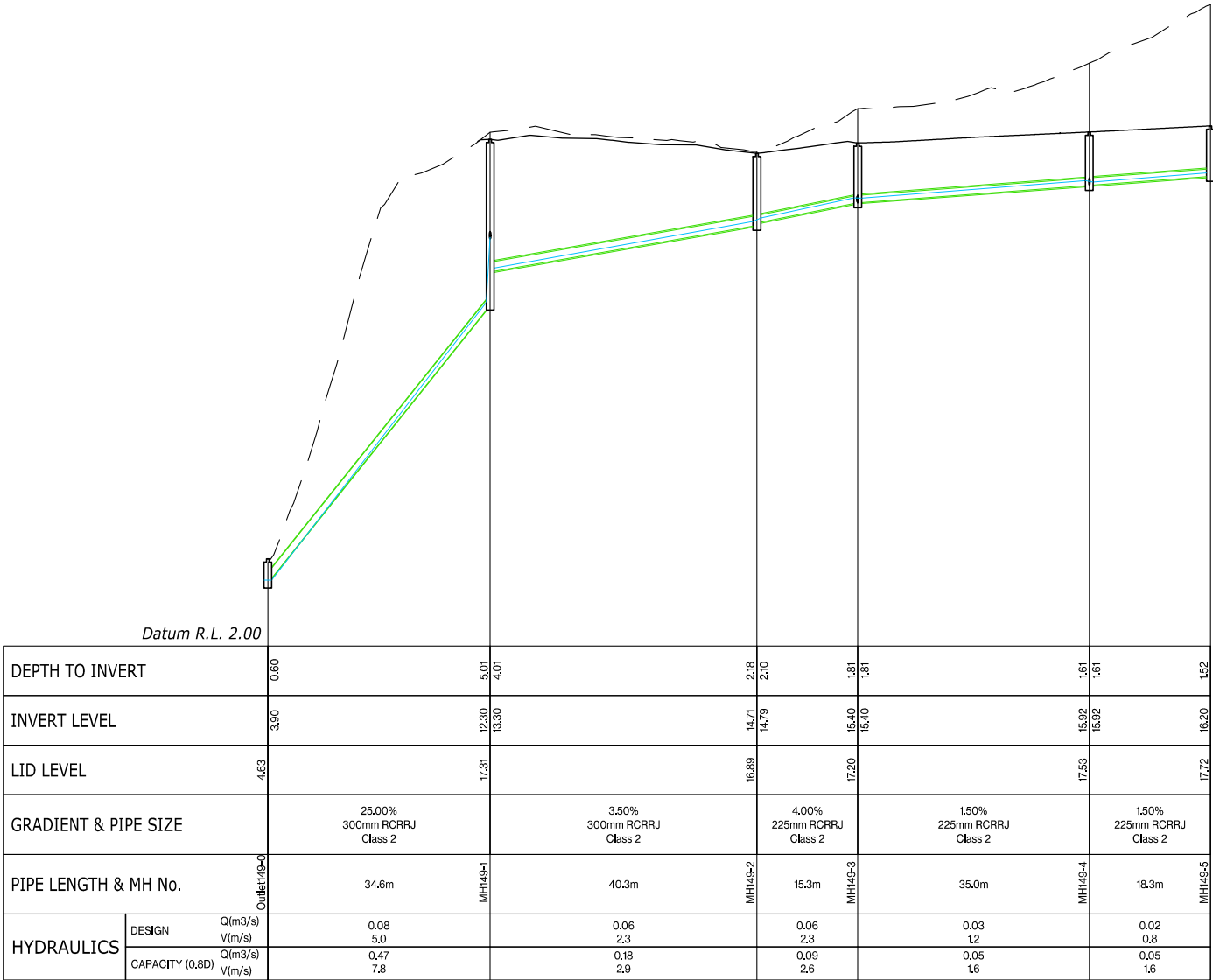
SW Line 146



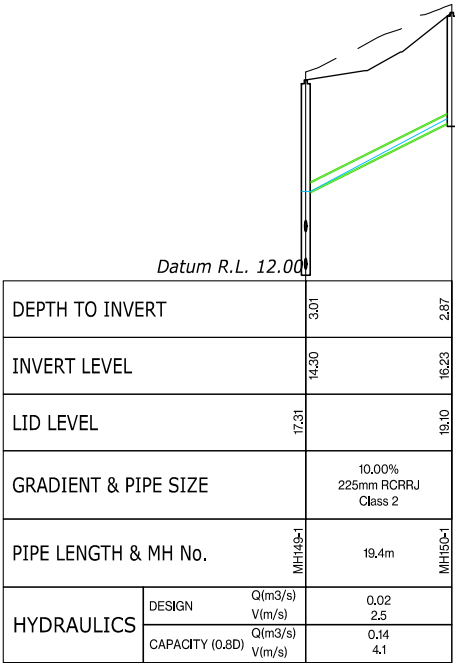
SW Line 147



SW Line 148



SW Line 149



SW Line 150

FOR INFORMATION

HARRISON
GRIERSON

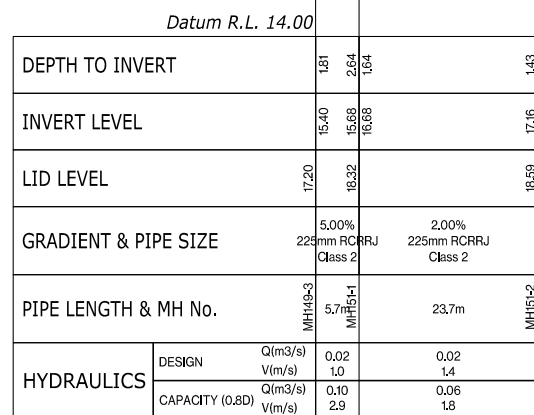
AUCKLAND OFFICE
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PROJECT:
BEACHLANDS
FAST TRACK CONSENT PACKAGE
BEACHLANDS SOUTH, AUCKLAND

TITLE:
COASTAL AREA
STORMWATER LONGSECTIONS
SHEET 5 OF 8

ORIGINATOR: SCT	DATE: 05.2026	SIGNED:	PLOT BY: SUT
DRAWN: SCT	DATE: 05.2026	SIGNED:	PLOT DATE: 25/05/26
CHECKED: PZS	DATE: 05.2026	SIGNED:	SURVEY BY: —
APPROVED: CJM	DATE: 05.2026	SIGNED:	SURVEY DATE:

ISSUE STATUS: FOR INFORMATION			
PROJECT No: A2515591.00	SCALES: 1:500 H : 1:100 V - A1 1:1000 H : 1:200 V - A3	A1	
DRAWING No: A2515591.00-HG-S-1-SK-C-077E	REV A		

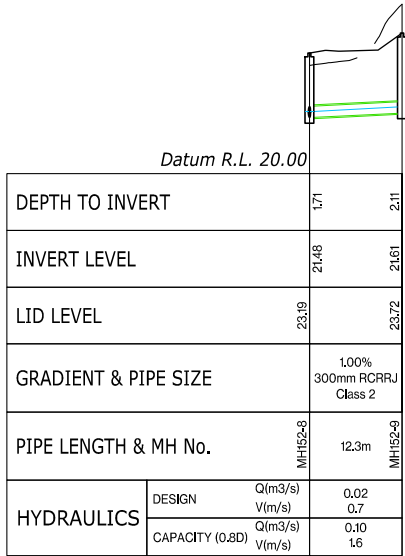


HYDRAULICS		DESIGN	Q(m3/s) V(m/s)	0.23 4.9		0.23 5.3		0.20 3.9		0.18 2.6		0.15 2.3		0.12 1.8		0.10 1.4		0.08 1.5		
		CAPACITY (0.8D)	Q(m3/s) V(m/s)	0.60 6.3		0.77 8.1		0.38 4.0		0.30 3.1		0.30 3.1		0.17 1.8		0.17 1.8		0.10 1.6		
PIPE LENGTH & MH No.				Outlet 152-0	35.7m	MH152-1	54.5m	MH152-2	26.5m	MH152-3	30.9m	MH152-4	26.3m	MH152-5	29.9m	MH152-6	35.7m	MH152-7	53.0m	MH152-8
GRADIENT & PIPE SIZE					12.10% 375mm RCRRJ Class 2		20.00% 375mm RCRRJ Class 2		5.00% 375mm RCRRJ Class 2		3.00% 375mm RCRRJ Class 2		3.00% 375mm RCRRJ Class 2		1.00% 375mm RCRRJ Class 2		1.00% 375mm RCRRJ Class 2		1.00% 300mm RCRRJ Class 2	
LID LEVEL				3.02		9.08		20.91		21.60		21.14		22.42		23.06		22.64		23.19
INVERT LEVEL				2.21		6.49		17.19		18.51		19.43		20.22		20.52		20.88		21.48
DEPTH TO INVERT				0.75		2.58		3.72		3.09		1.71		2.20		2.54		1.77		1.71

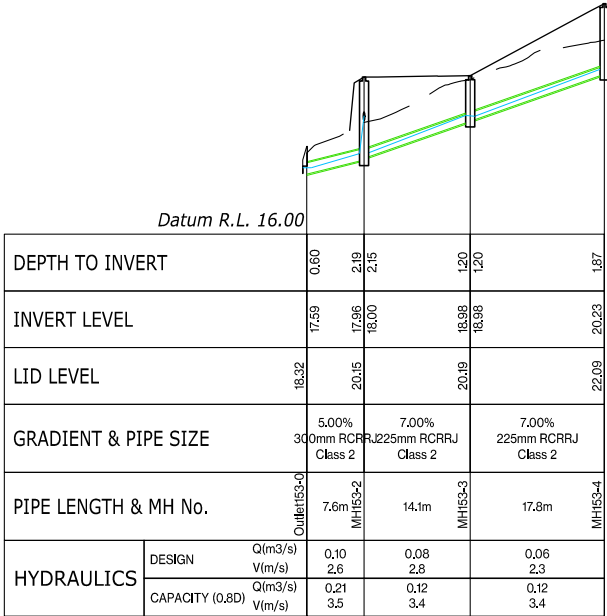
FOR INFORMATION

LEGEND:

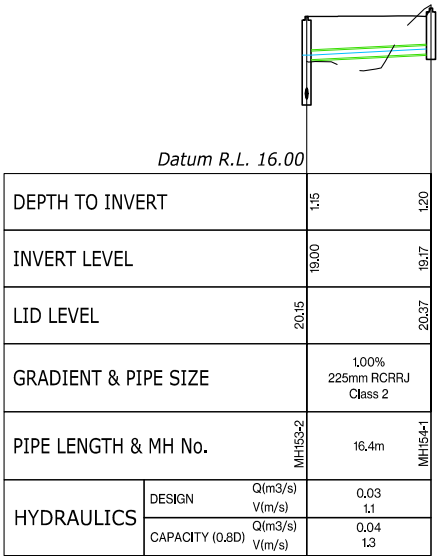
- EXISTING LEVEL
- PROPOSED FINISHED LEVEL
- PROPOSED STORMWATER LINE
- HYDRAULIC GRADE LINE



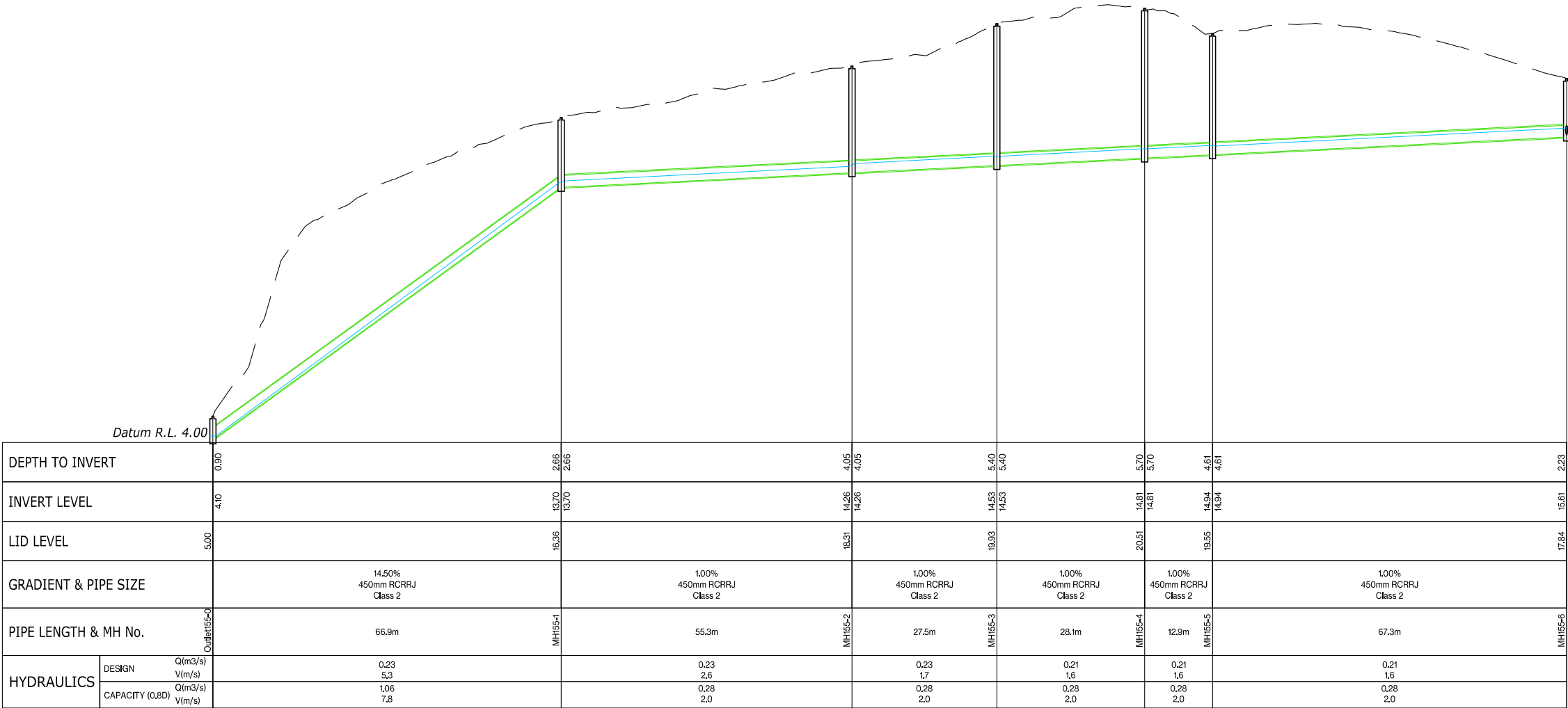
SW Line 152



SW Line 153



SW Line 154



SW Line 155

A	FOR INFORMATION	CJM	05/2026
REF	REVISIONS	BY	DATE



AUCKLAND OFFICE
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT PACKAGE
BEACHLANDS SOUTH, AUCKLAND

TITLE:

COASTAL AREA
STORMWATER LONGSECTIONS
SHEET 7 OF 8

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
SCT	05.2026		SUT
DRAWN:	DATE:	SIGNED:	PLOT DATE:
SCT	05.2026		25/05/26
CHECKED:	DATE:	SIGNED:	SURVEY BY:
PZS	05.2026		
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
CJM	05.2026		

ISSUE STATUS:

FOR INFORMATION

PROJECT No:	SCALES:	A1
A2515591.00	1:500 H : 1:100 V - A1 1:1000 H : 1:200 V - A3	
DRAWING No:		REV
A2515591.00-HG-S-1-SK-C-077G		A

FOR INFORMATION

