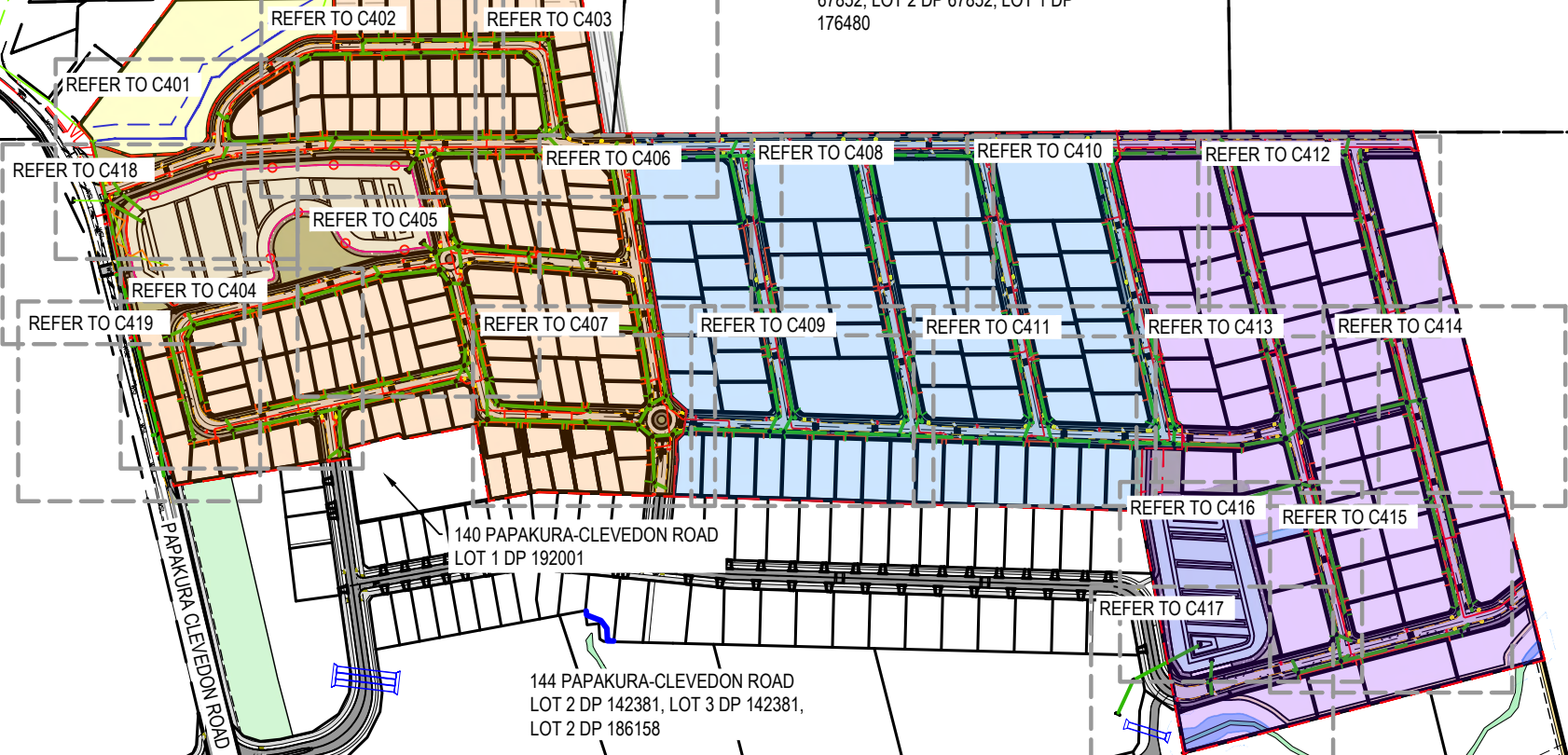




BUN60399307
Approved Resource Consent Plan
01/09/2023

73R MONUMENT ROAD
LOT 2 DP 176480, LOT 2 DP 67978, PT
ALLT 3 PARO WAIROA, LOT 1 DP
67852, LOT 2 DP 67852, LOT 1 DP
176480

- STAGE 1
- STAGE 2
- STAGE 3
- STAGE 4



144 PAKAKURA-CLEVEDON ROAD
LOT 2 DP 142381, LOT 3 DP 142381,
LOT 2 DP 186158

PAKAKURA-CLEVEDON ROAD
LOT 1 DP 192001

RESOURCE CONSENT

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- Legend
- EX BDY
 - PR BDY
 - PR STAGING BDY
 - EX STORMWATER
 - PR STORMWATER
 - PR WW VACUUM LINE
 - PR WW GRAVITY LINE
 - PR FUTURE GRAVITY
 - ABANDON / REMOVE
 - PR WW VALVE PIT
 - EX/PROP SWMH
 - PR SWCP

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	

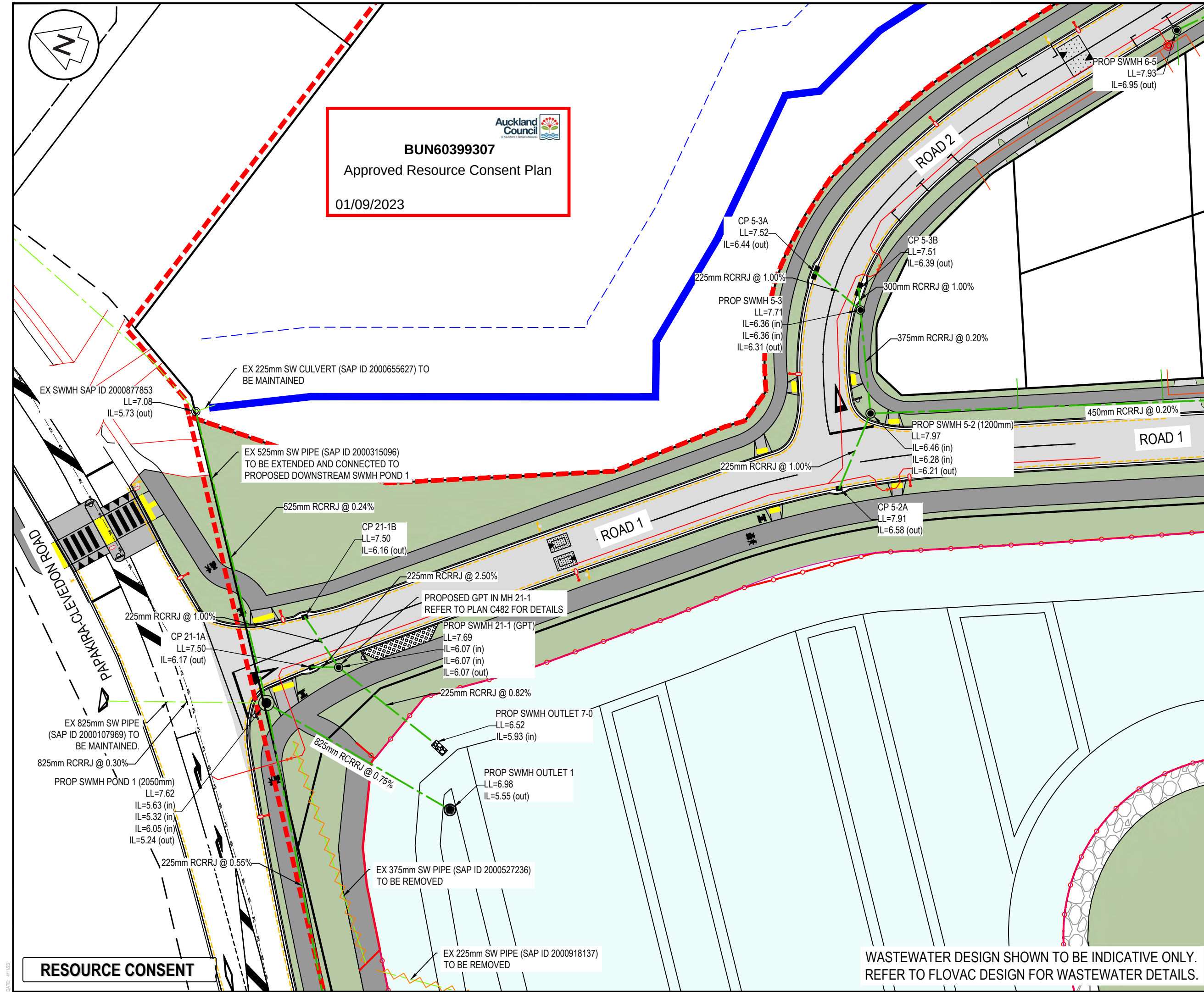


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Auckland 1023

Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN OVERVIEW**

Project no.	194006		
Scale	1:5000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C400	Rev	H



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01/09/2023

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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORK		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022



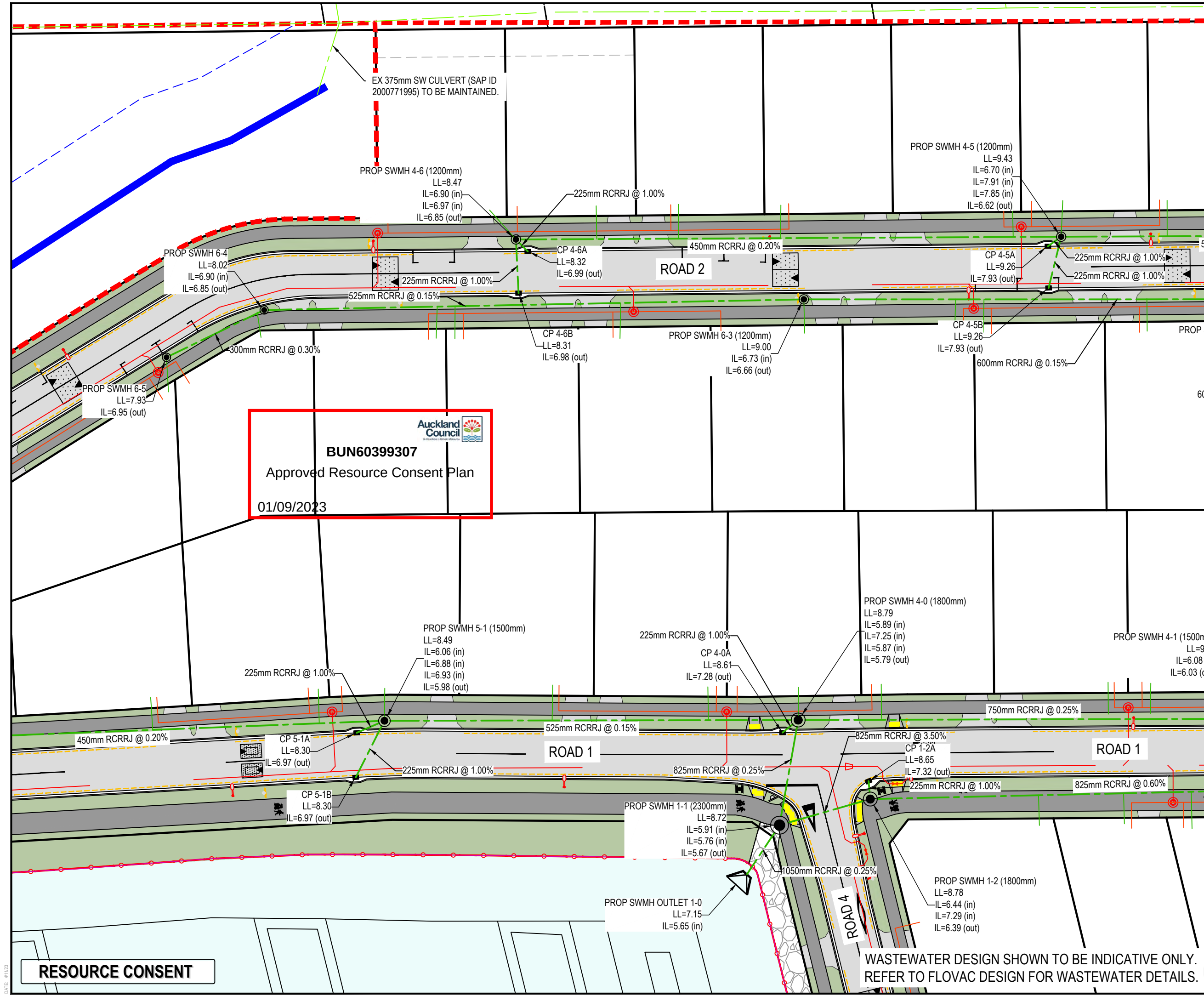
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C401
Rev	H

WASTEWATER DESIGN SHOWN TO BE INDICATIVE ONLY.
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RESOURCE CONSENT



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- PR STAGING BDY
- EX STORMWATER
- PR STORMWATER
- PR WW VACUUM LINE
- PR WW GRAVITY LINE
- PR FUTURE GRAVITY
- ABANDON / REMOVE
- PR WW VALVE PIT
- EX/PROP SWMH
- PR SWCP

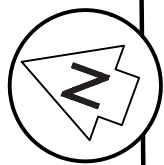
H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022

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Project
62, 78 & 80 PAKAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

Title
PROPOSED STORMWATER DRAINAGE PLAN

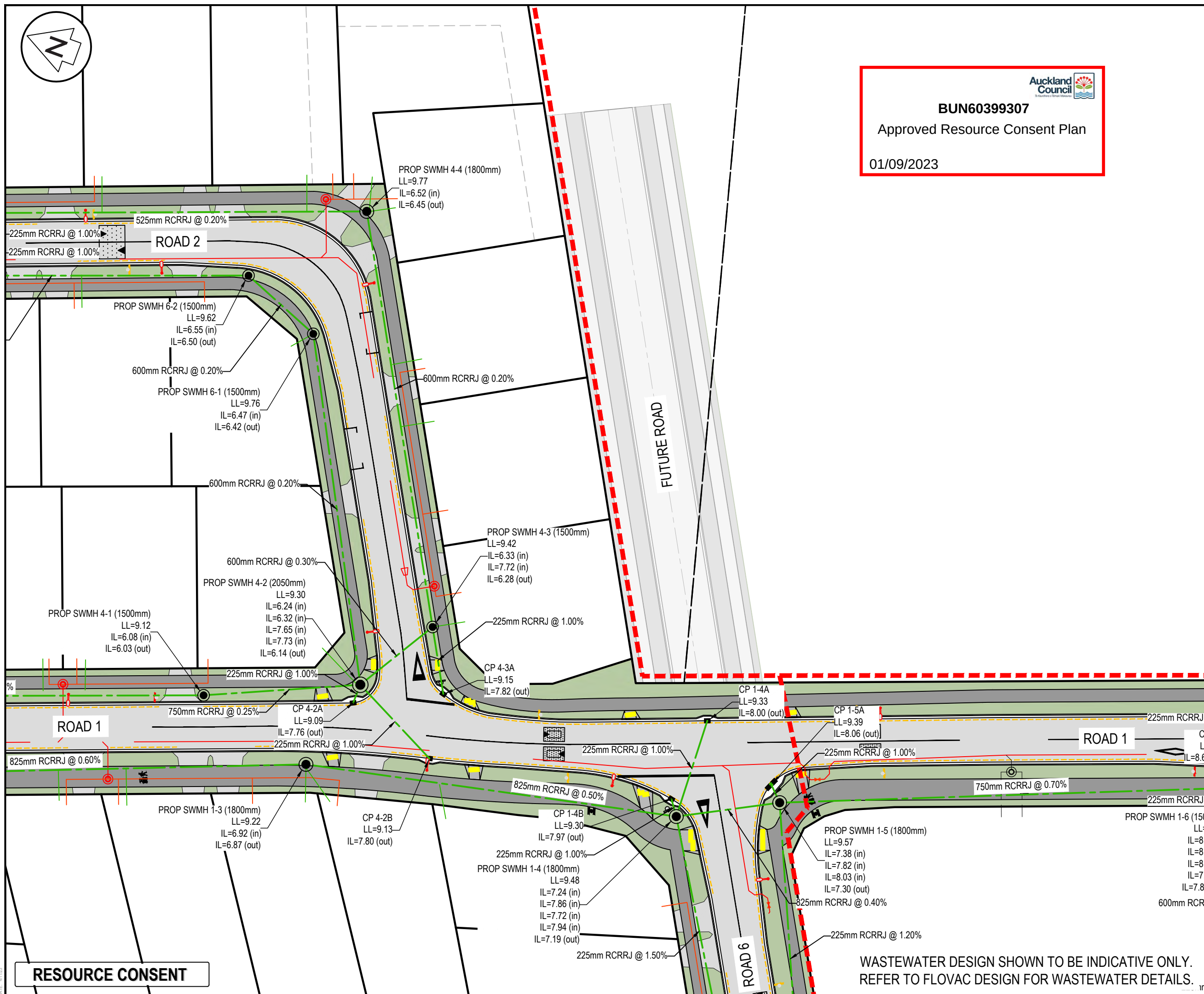
Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C402
Rev	H



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Approved Resource Consent Plan

01/09/2023



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---	PR STORMWATER
---	PR WW VACUUM LINE
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---	PR FUTURE GRAVITY
---	ABANDON / REMOVE
---	PR WW VALVE PIT
---	EX/PROP SWMH
---	PR SWCP

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
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E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORK		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022

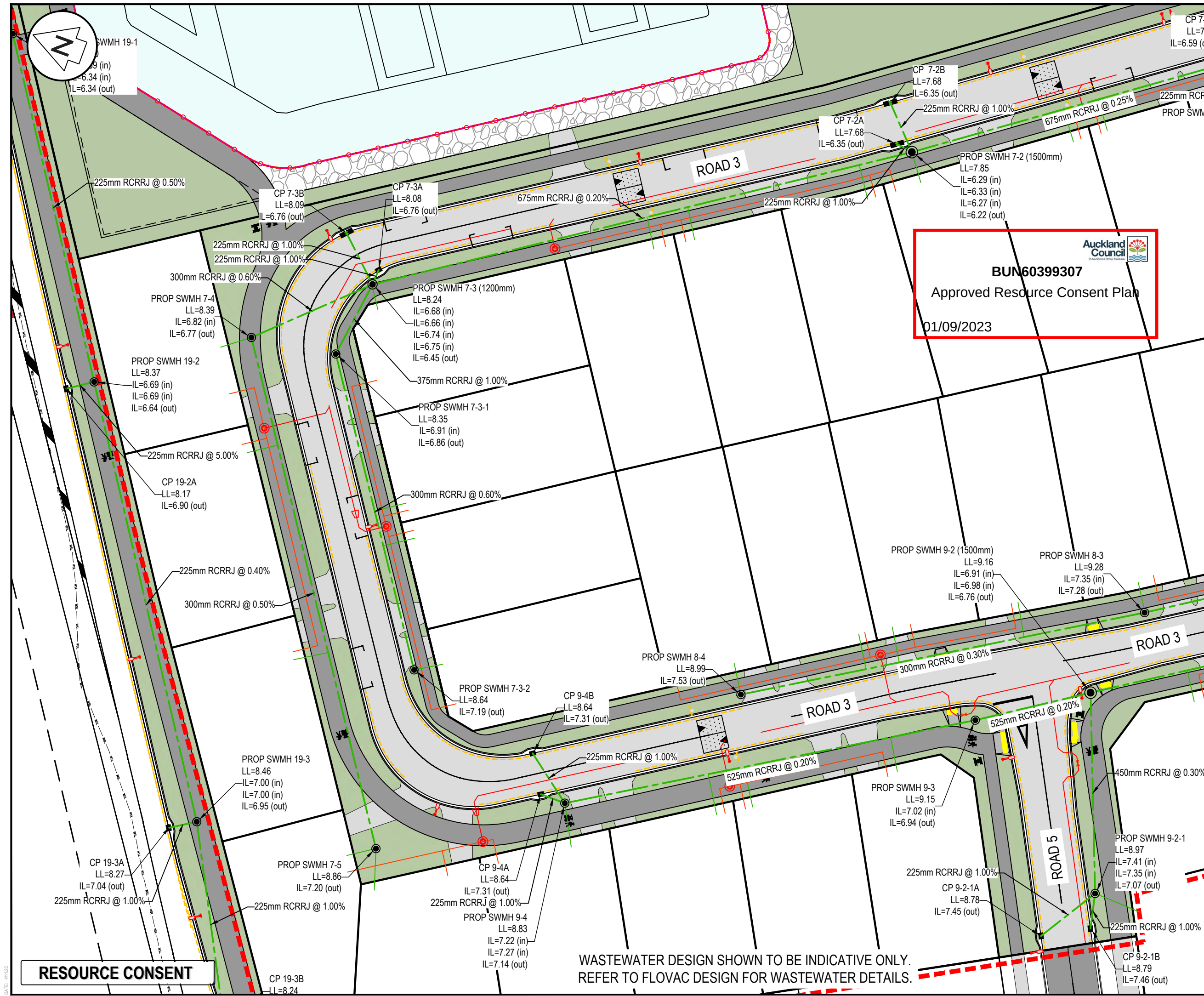


Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C403
Rev	H

WASTEWATER DESIGN SHOWN TO BE INDICATIVE ONLY.
REFER TO FLOVAC DESIGN FOR WASTEWATER DETAILS.



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H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	Survey	SURVEYWORX	12/2021
	Design	JV	01/2022
	Drawn	MS	02/2022
	Checked	JP	02/2022

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Project
62, 78 & 80 PAKAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

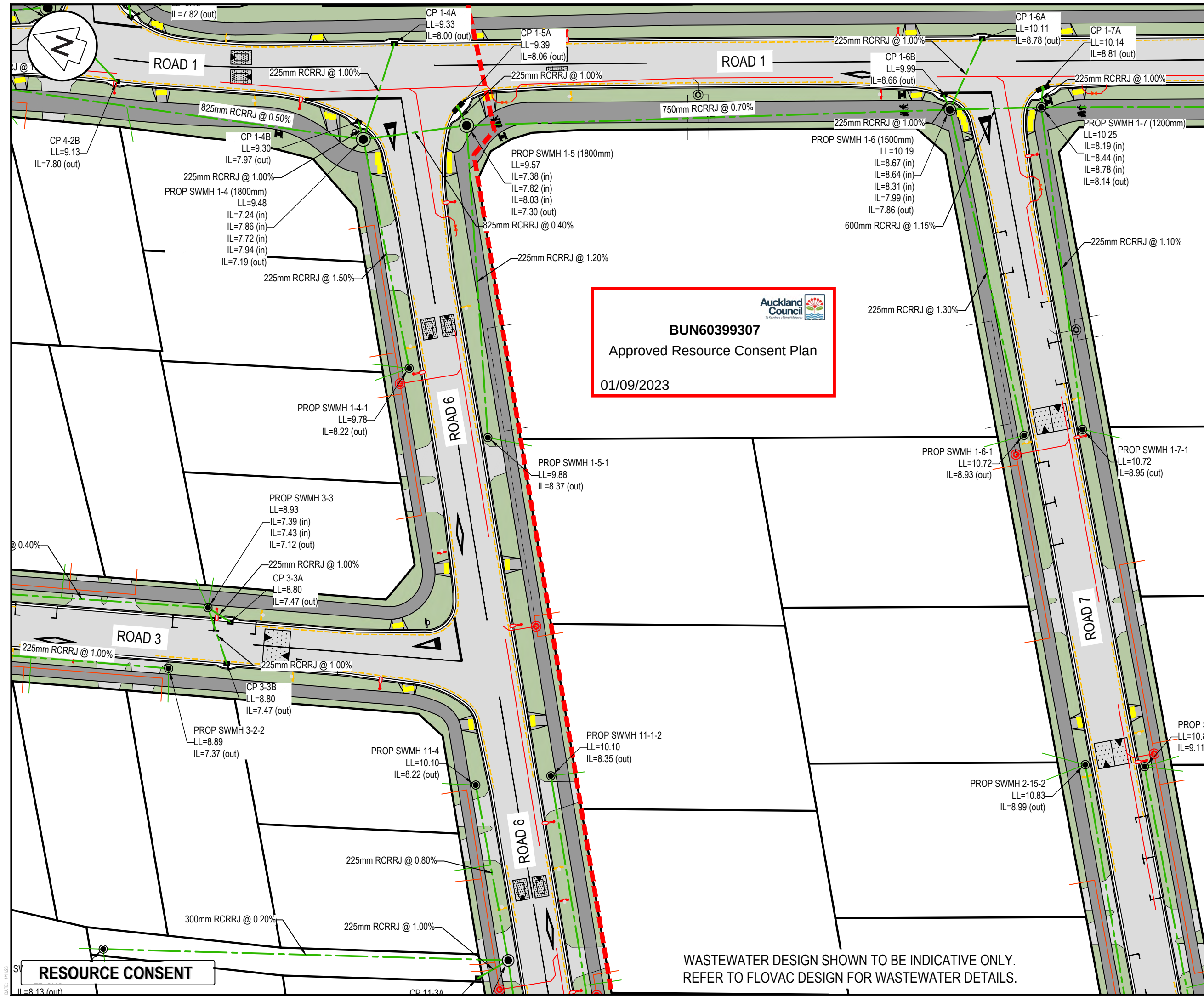
Title
PROPOSED STORMWATER DRAINAGE PLAN

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C404
Rev	H

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RESOURCE CONSENT

DATE: 4/11/23



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---	PR WW VACUUM LINE
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---	ABANDON / REMOVE
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H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
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Rev	Description	By	Date
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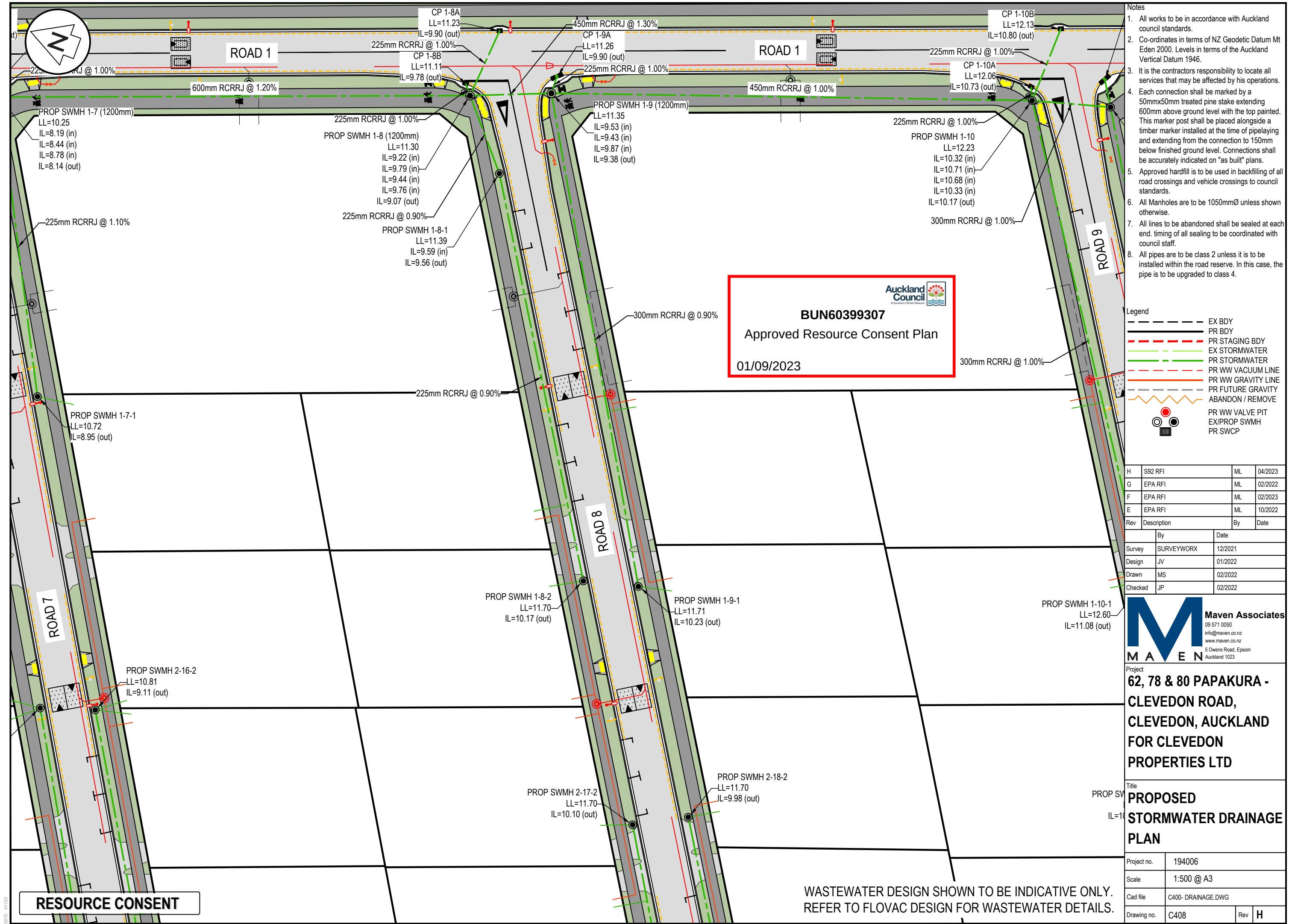
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C406
Rev	H

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RESOURCE CONSENT



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H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORK	JV	12/2021
Design	JV	MS	01/2022
Drawn	MS	JP	02/2022
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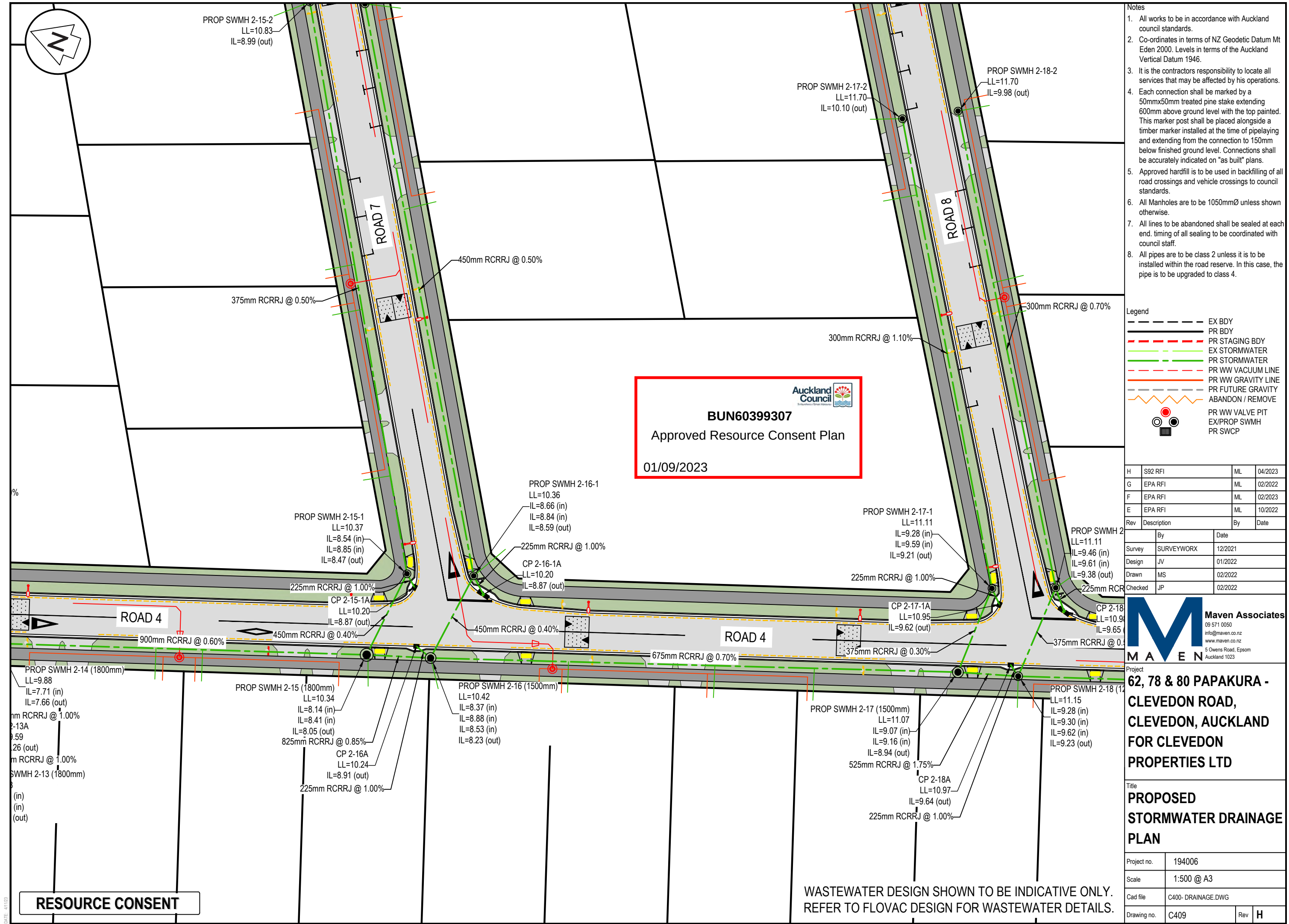
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
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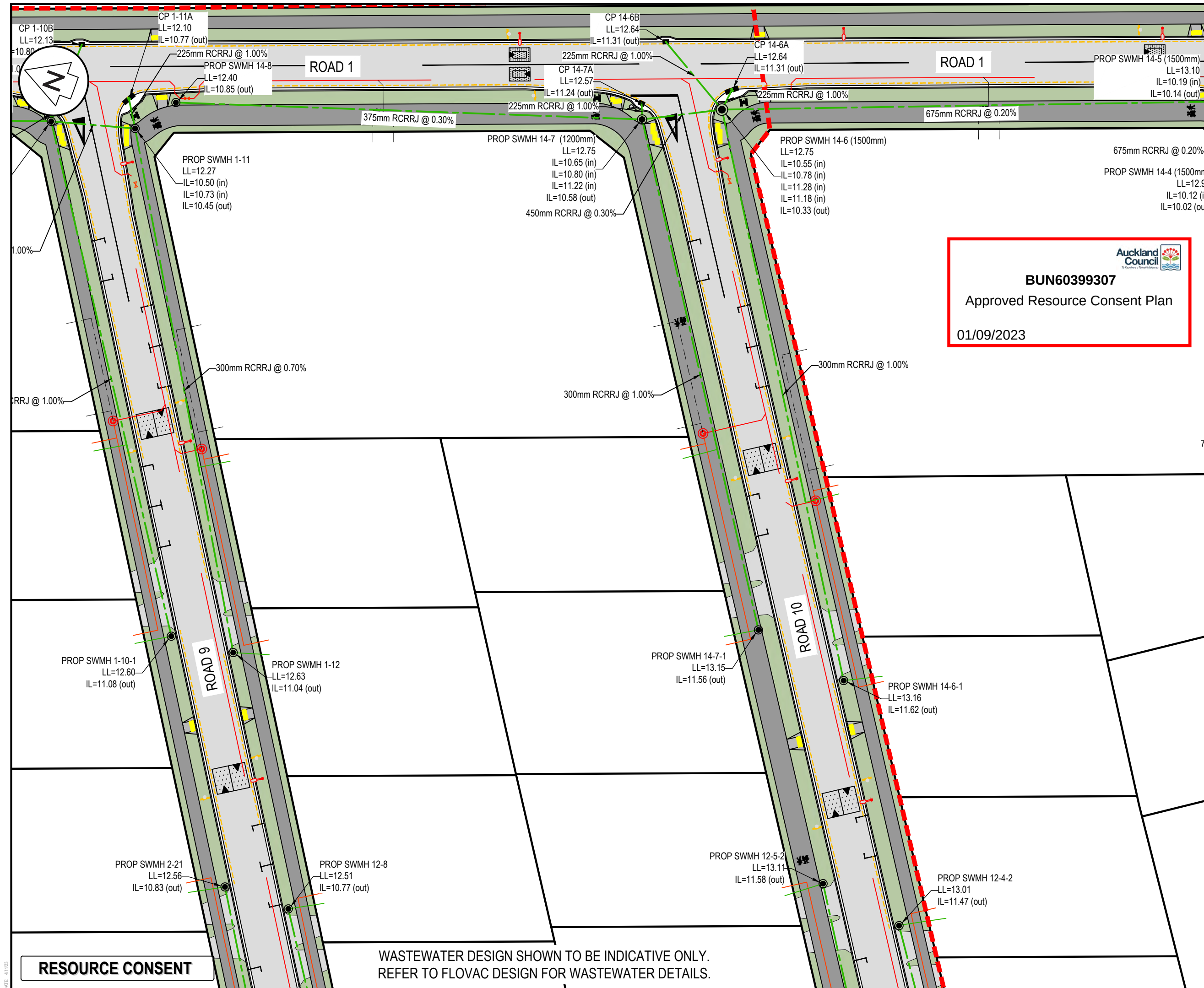
Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C408
Rev	H

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H	S92 RFI	ML	04/2023
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Rev	Description	By	Date
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Survey	SURVEYWORX		12/2021
Design	JV		01/2022
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**62, 78 & 80 PAKAKURA -
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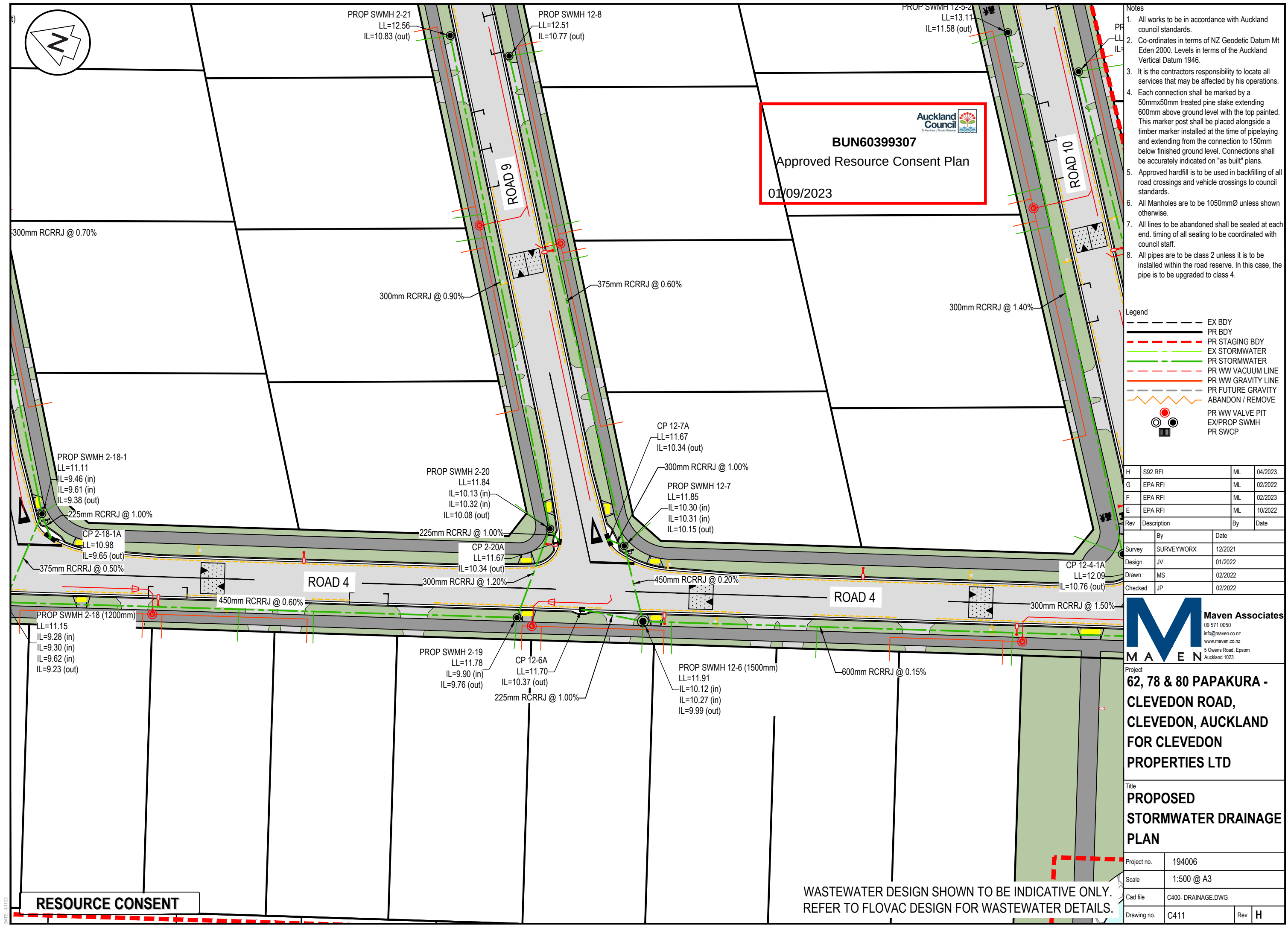
Title
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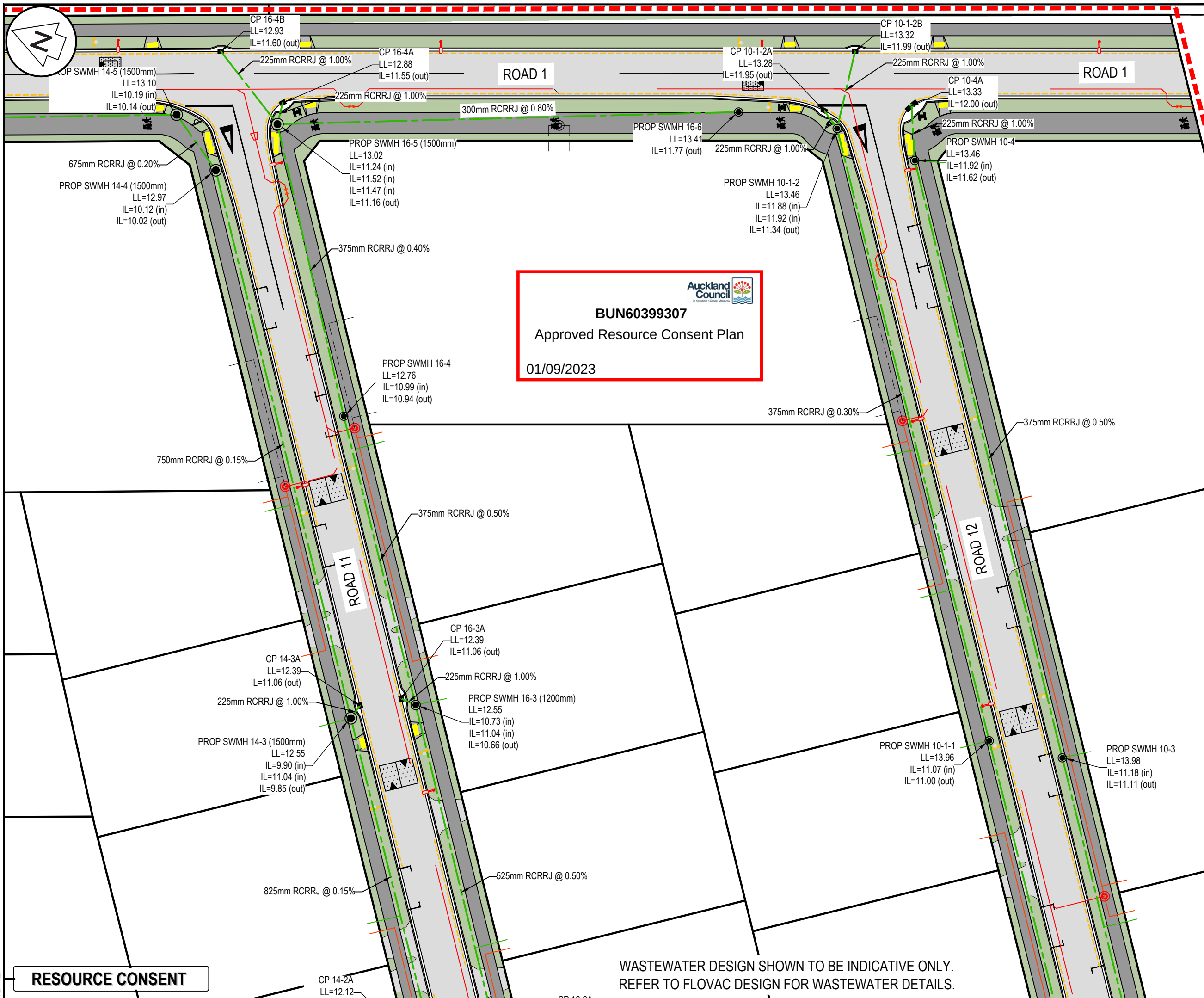
Project no.	194006		
Scale	1:500 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C410	Rev	H

DATE: 4/1/23

RESOURCE CONSENT

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Survey	SURVEYWORX		12/2021
Design	JV		01/2022
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Project

62, 78 & 80 PAKAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

Title

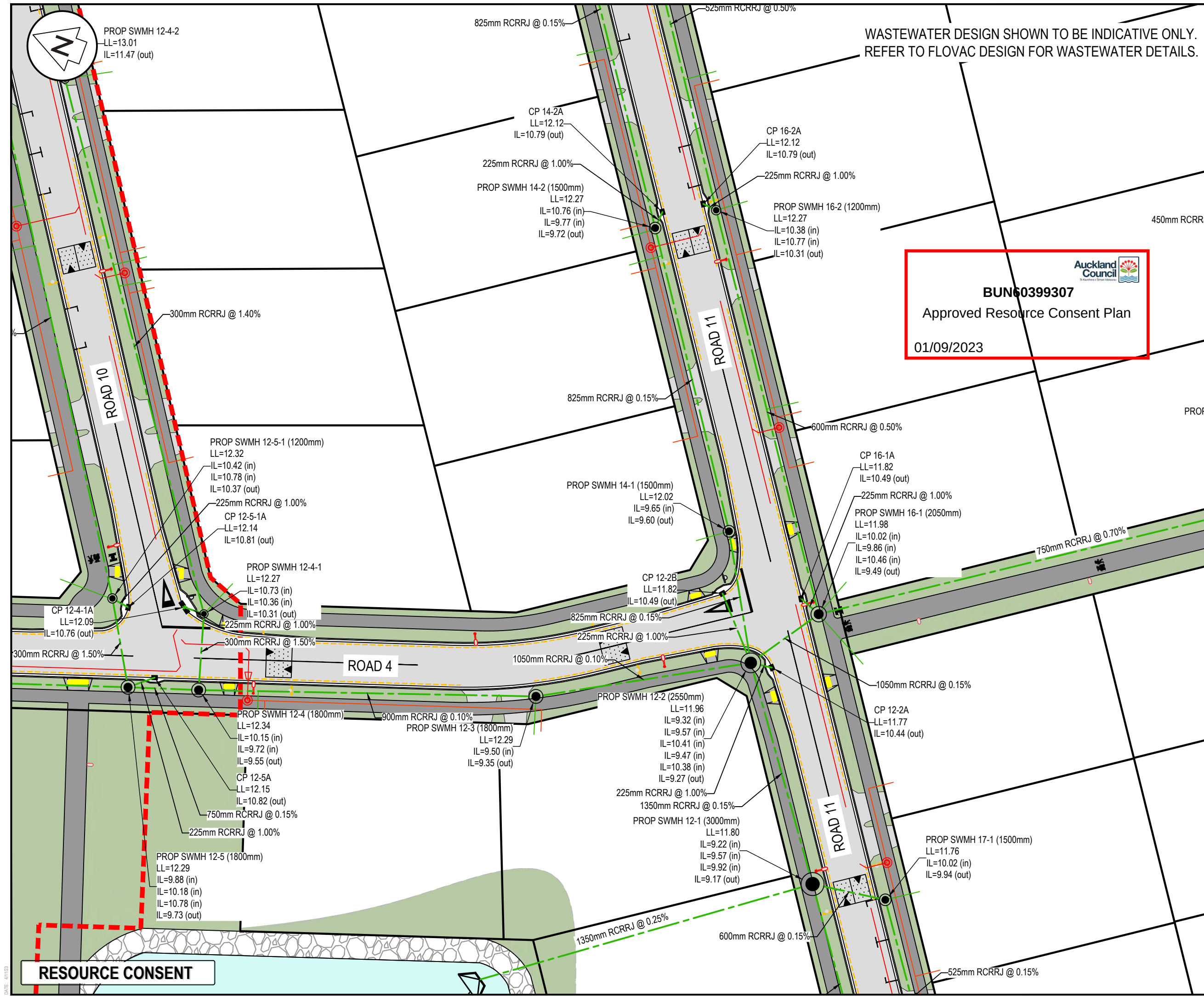
PROPOSED STORMWATER DRAINAGE PLAN

Project no.	194006		
Scale	1:500 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C412	Rev	H

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RESOURCE CONSENT

DATE: 4/1/23



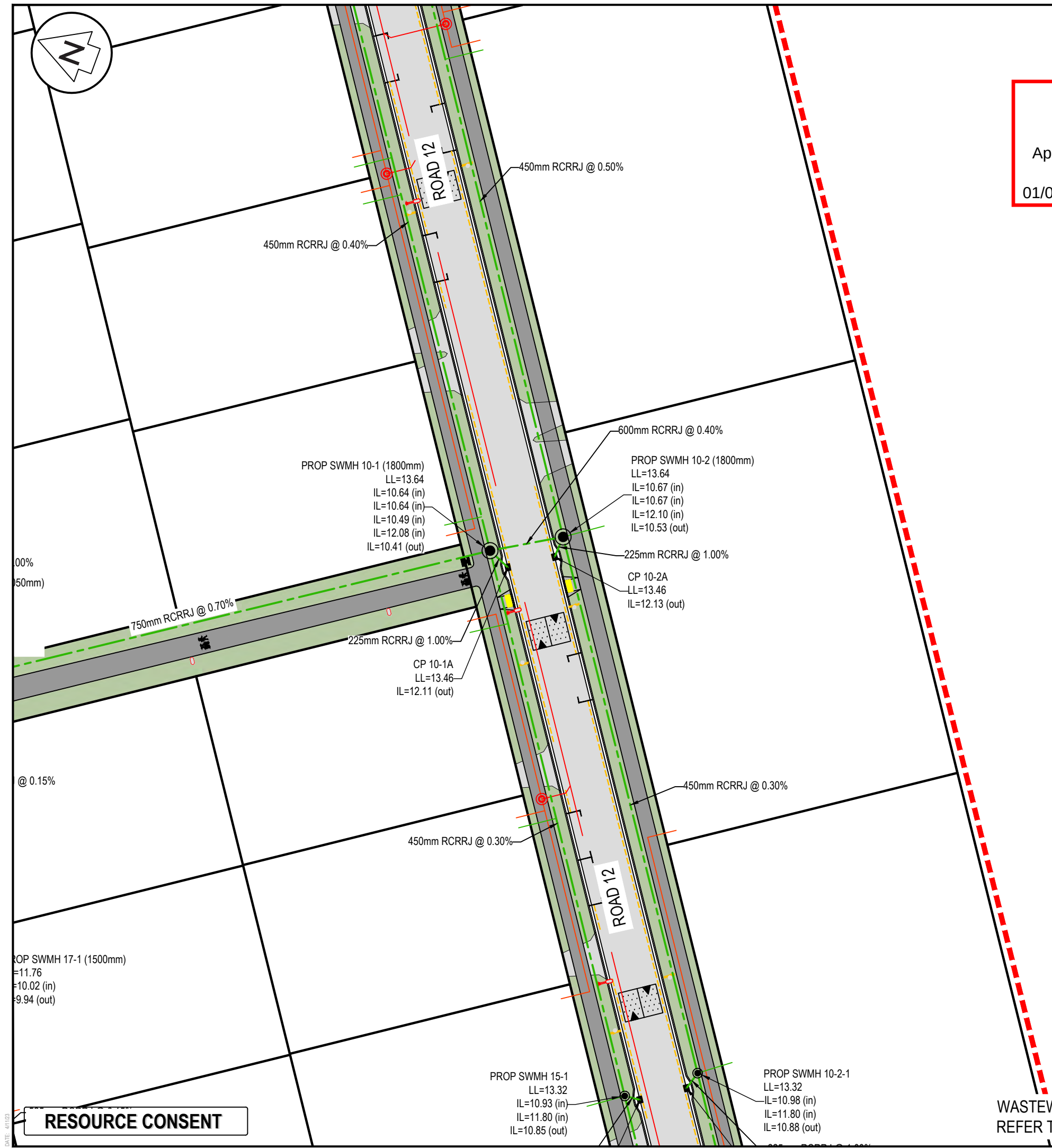
BUN60399307
Approved Resource Consent Plan
01/09/2023



**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

**PROPOSED
STORMWATER DRAINAGE
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5 Owens Road, Epsom
Auckland 1023

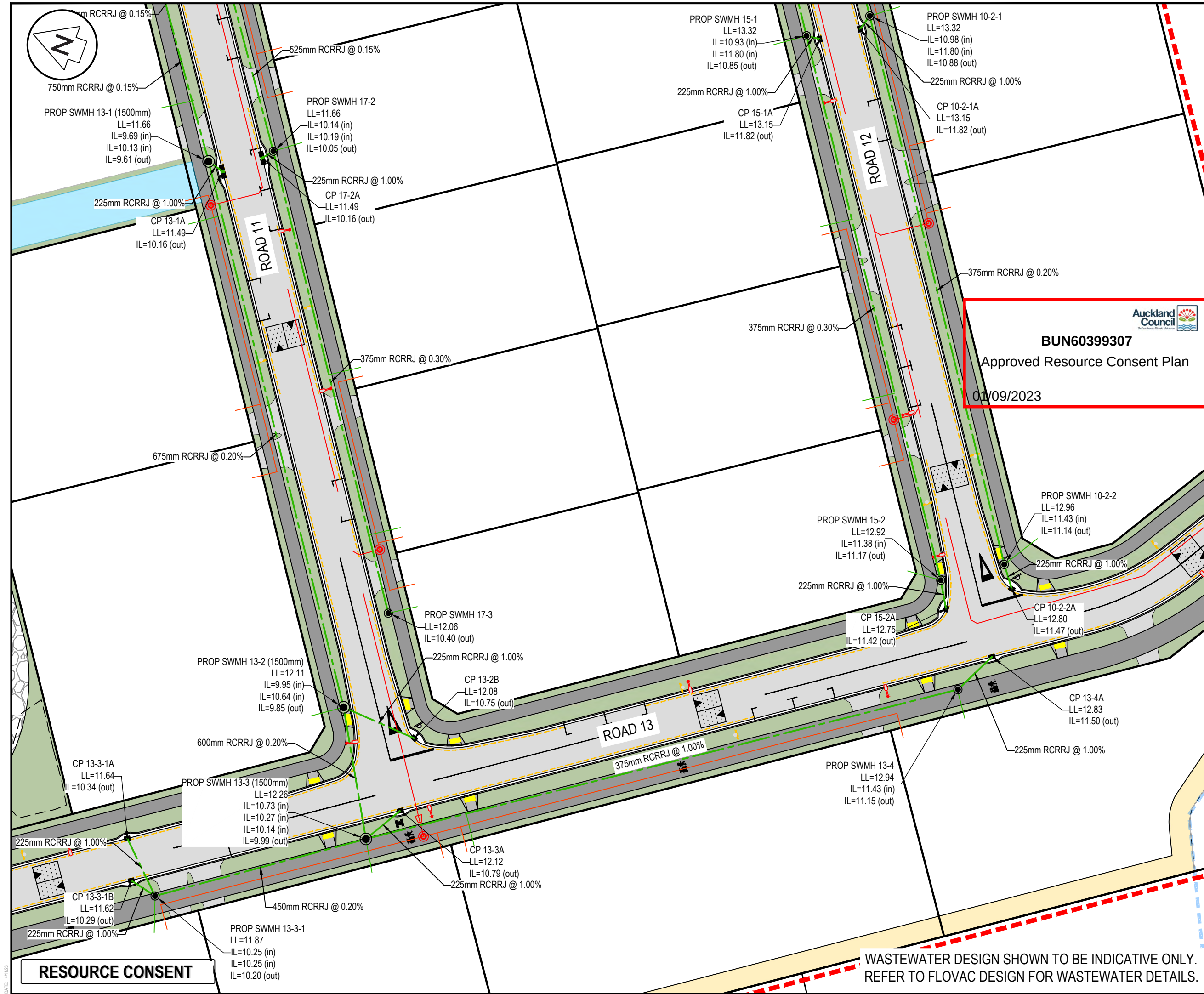
Project
**62, 78 & 80 PAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C414
Rev	H

WASTEWATER DESIGN SHOWN TO BE INDICATIVE ONLY.
REFER TO FLOVAC DESIGN FOR WASTEWATER DETAILS.

DATE: 4/1/23
RESOURCE CONSENT



Notes

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Auckland Council

BUN60399307

Approved Resource Consent Plan

01/09/2023

Legend

- EX BDY
- PR BDY
- PR STAGING BDY
- EX STORMWATER
- PR STORMWATER
- PR WW VACUUM LINE
- PR WW GRAVITY LINE
- PR FUTURE GRAVITY
- ABANDON / REMOVE
- PR WW VALVE PIT
- EX/PROP SWMH
- PR SWCP

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022

Maven Associates

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5 Owens Road, Epsom
Auckland 1023

Project

62, 78 & 80 PAKAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

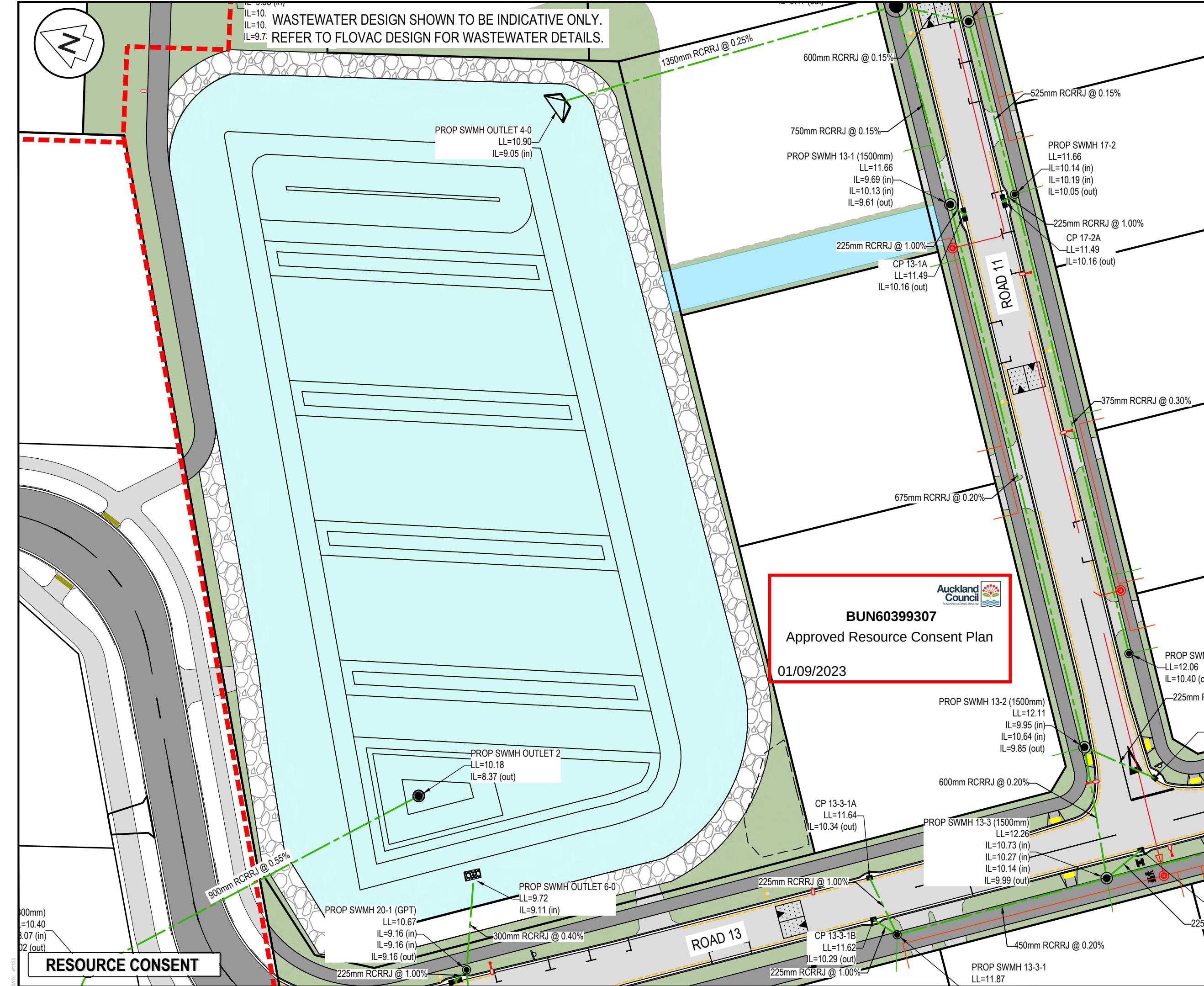
Title

PROPOSED STORMWATER DRAINAGE PLAN

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C415
Rev	H

RESOURCE CONSENT

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Legend

- EX BDY
- PR BDY
- PR STAGING BDY
- EX STORMWATER
- PR STORMWATER
- PR WW VACUUM LINE
- PR WW GRAVITY LINE
- PR FUTURE GRAVITY
- ABANDON / REMOVE
- PR WW VALVE PIT
- EX/PROP SWMH
- PR SWCP

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022

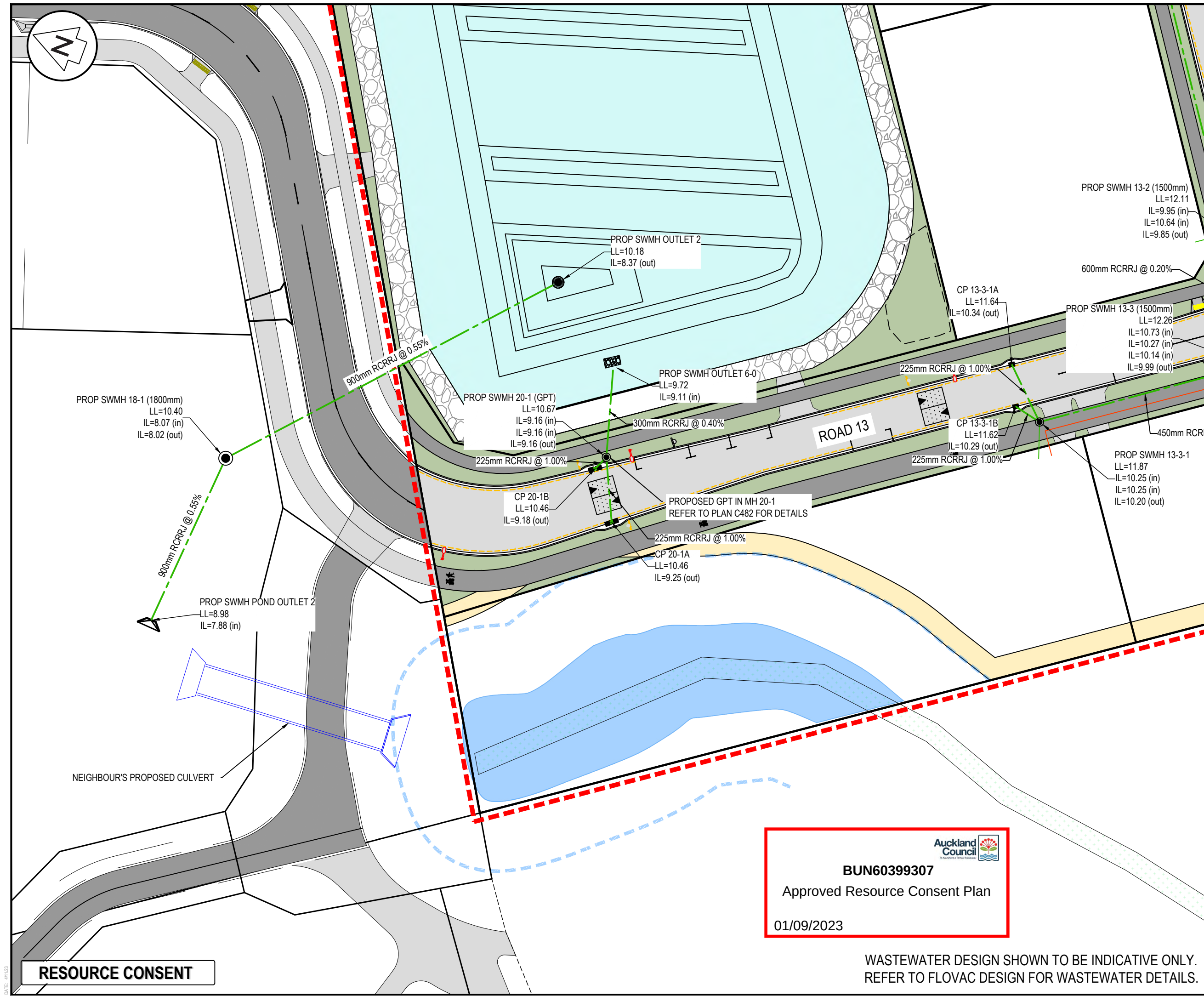
M **Maven Associates**
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Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C416
Rev	H

DATE: 4/11/23



Notes

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Legend

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- PR BDY
- PR STAGING BDY
- EX STORMWATER
- PR STORMWATER
- PR WW VACUUM LINE
- PR WW GRAVITY LINE
- PR FUTURE GRAVITY
- ABANDON / REMOVE
- PR WW VALVE PIT
- EX/PROP SWMH
- PR SWCP

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022

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Project
62, 78 & 80 PAKAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

Title
PROPOSED STORMWATER DRAINAGE PLAN

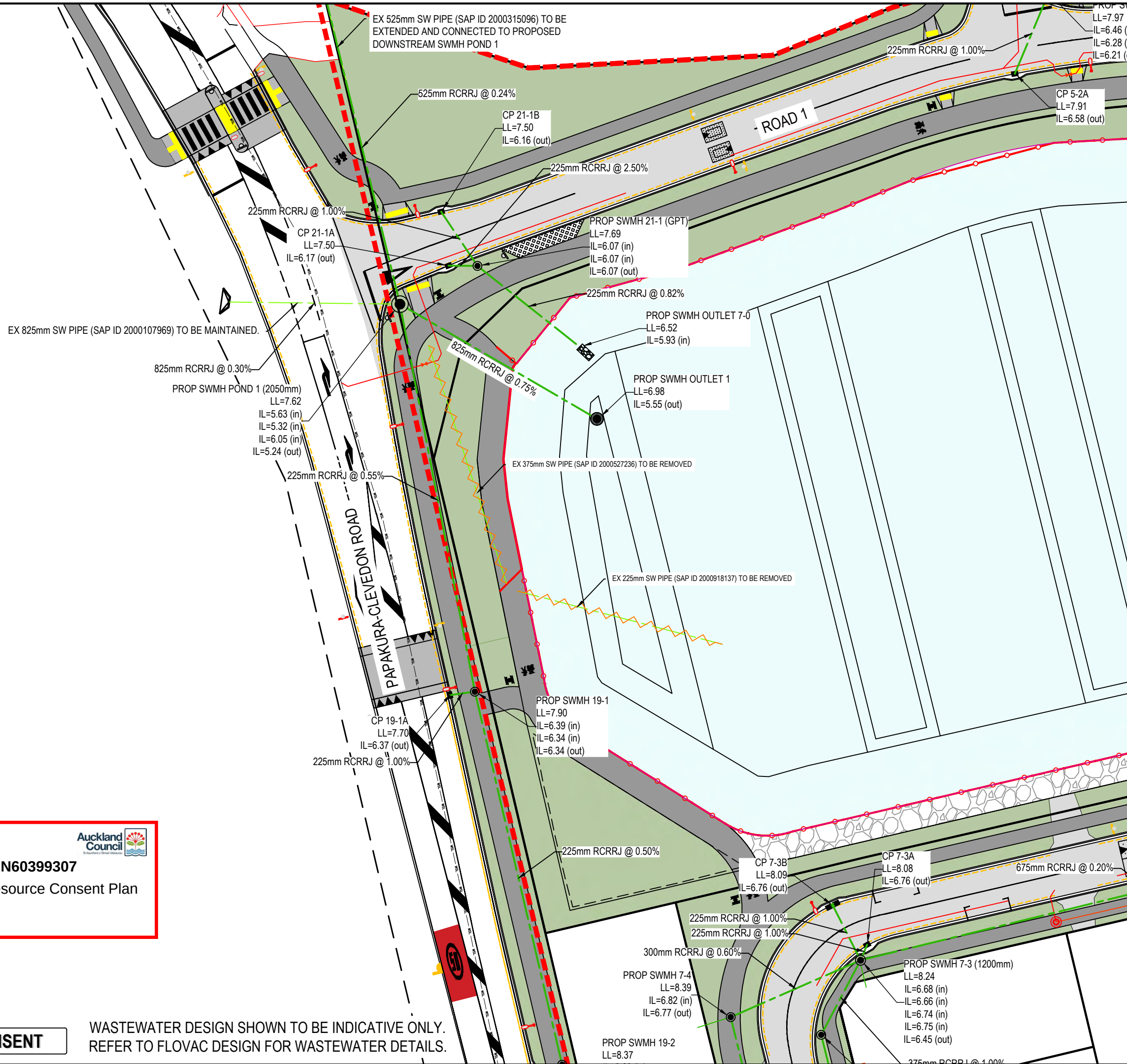
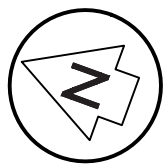
Project no.	194006		
Scale	1:500 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C417	Rev	H

BUN60399307
Approved Resource Consent Plan
01/09/2023

WASTEWATER DESIGN SHOWN TO BE INDICATIVE ONLY.
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RESOURCE CONSENT

DATE: 4/1/23



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Legend

---	EX BDY
---	PR BDY
---	PR STAGING BDY
---	EX STORMWATER
---	PR STORMWATER
---	PR WW VACUUM LINE
---	PR WW GRAVITY LINE
---	PR FUTURE GRAVITY
---	ABANDON / REMOVE
○	PR WW VALVE PIT
○	EX/PROP SWMH
○	PR SWCP

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORK		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022



Project
**62, 78 & 80 PAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C418
Rev	H



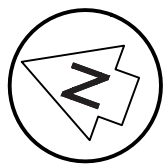
BUN60399307

Approved Resource Consent Plan

01/09/2023

RESOURCE CONSENT

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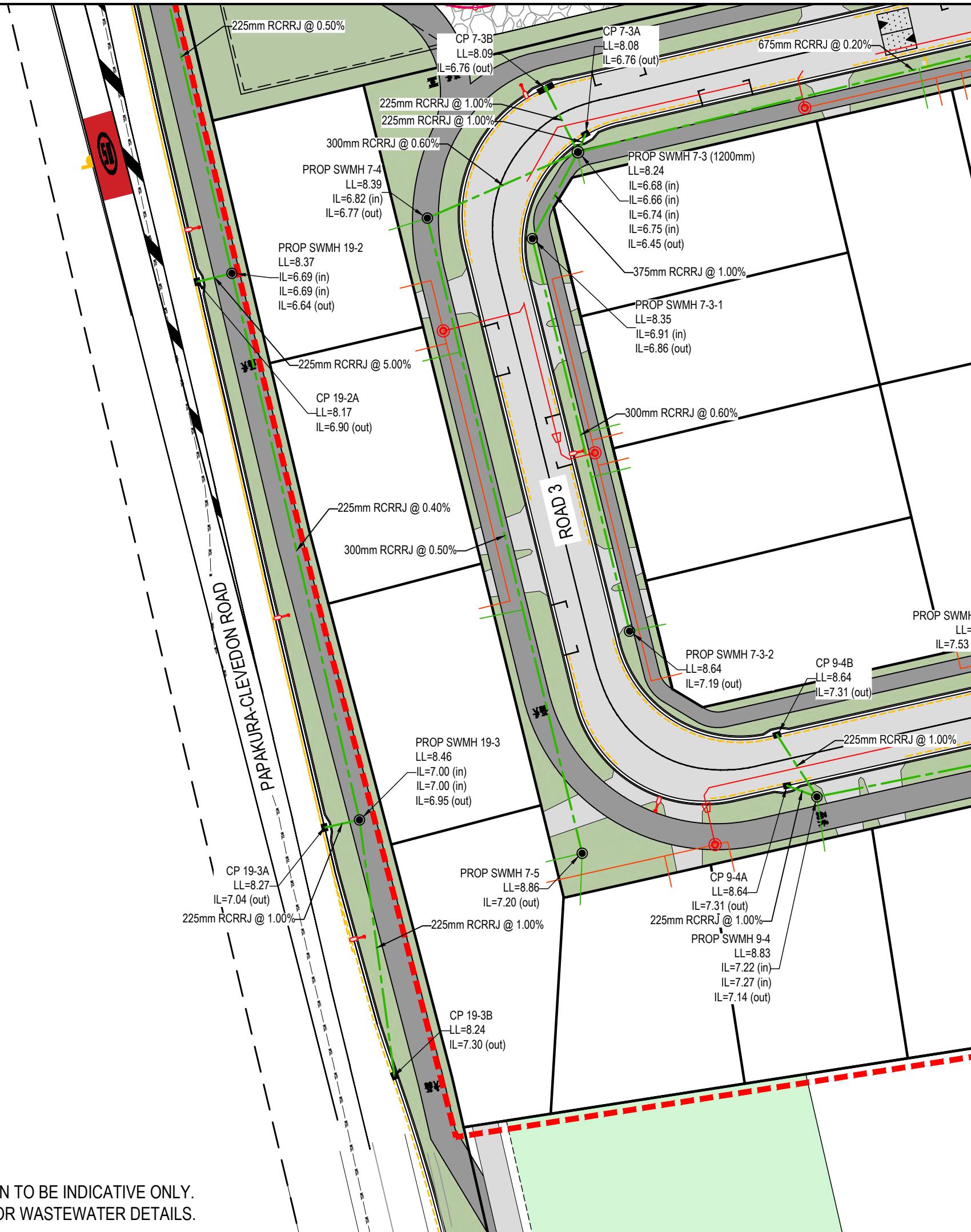
BUN60399307

Approved Resource Consent Plan

01/09/2023

RESOURCE CONSENT

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Legend

---	EX BDY
---	PR BDY
---	PR STAGING BDY
---	EX STORMWATER
---	PR STORMWATER
---	PR WW VACUUM LINE
---	PR WW GRAVITY LINE
---	PR FUTURE GRAVITY
---	ABANDON / REMOVE
---	PR WW VALVE PIT
---	EX/PROP SWMH
---	PR SWCP

Rev	Description	By	Date
H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Survey	SURVEYWORK	JV	12/2021
Design	JV	MS	01/2022
Drawn	MS	JP	02/2022
Checked	JP		02/2022

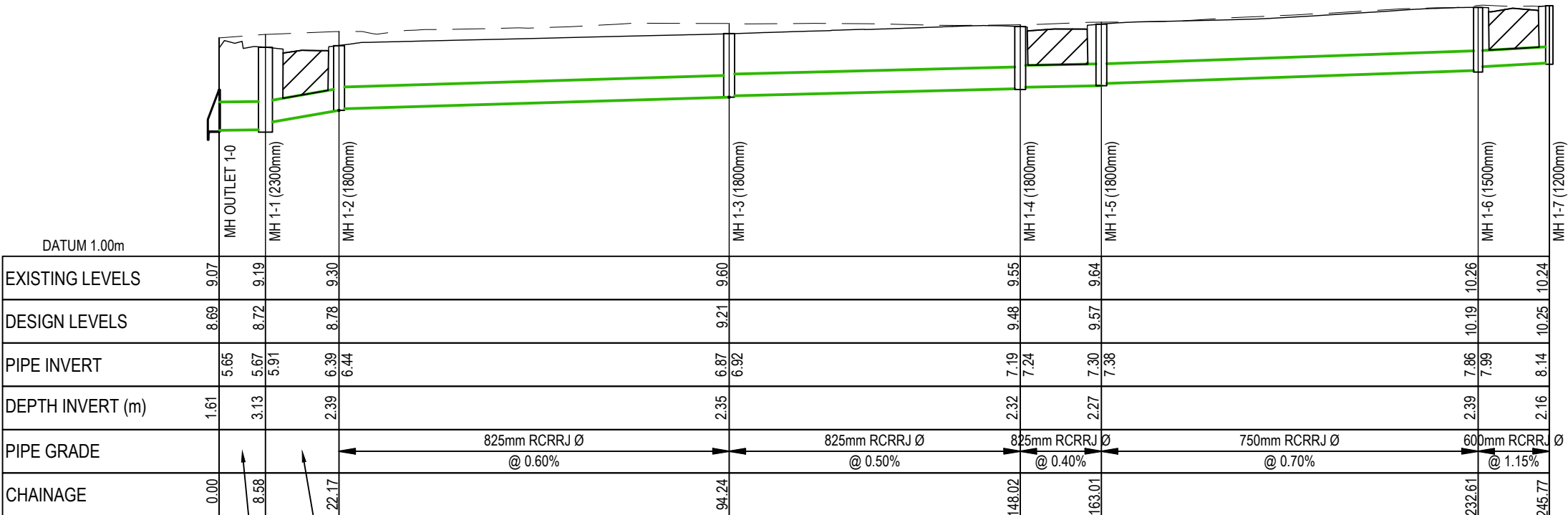
M **Maven Associates**
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Auckland 1023

Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

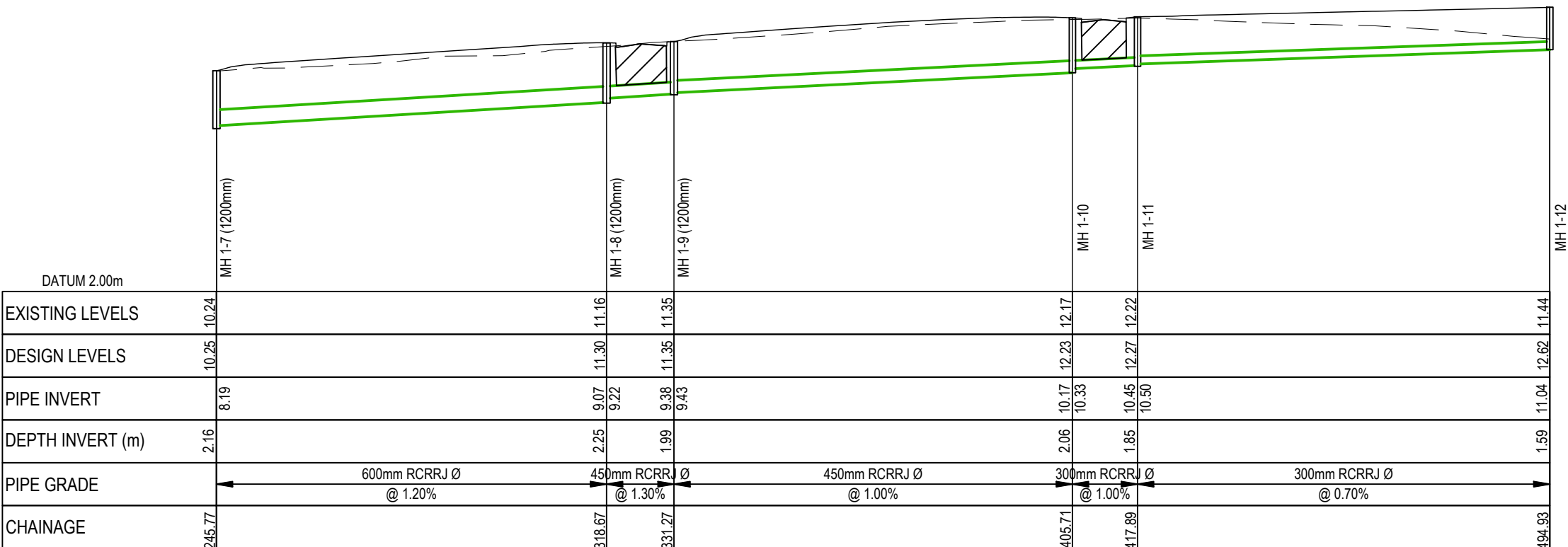
Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	194006
Scale	1:500 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C419
Rev	H

RESOURCE CONSENT



SW LINE 1 (1 OF 2)
SCALE: HORI 1:1000 VERT 1:200



SW LINE 1 (2 OF 2)
SCALE: HORI 1:1000 VERT 1:200

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 - All lines to be abandoned shall be sealed at each end. timing of all sealing to be coordinated with council staff.

Legend

---	EX GROUND LEVEL
---	PROP FINISHED LEVEL
///	HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C420	Rev	H



BUN60399307

Approved Resource Consent Plan

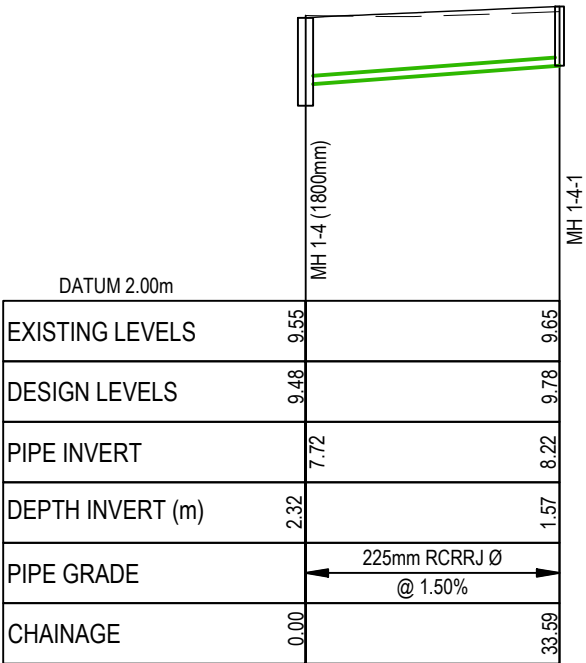
01/09/2023



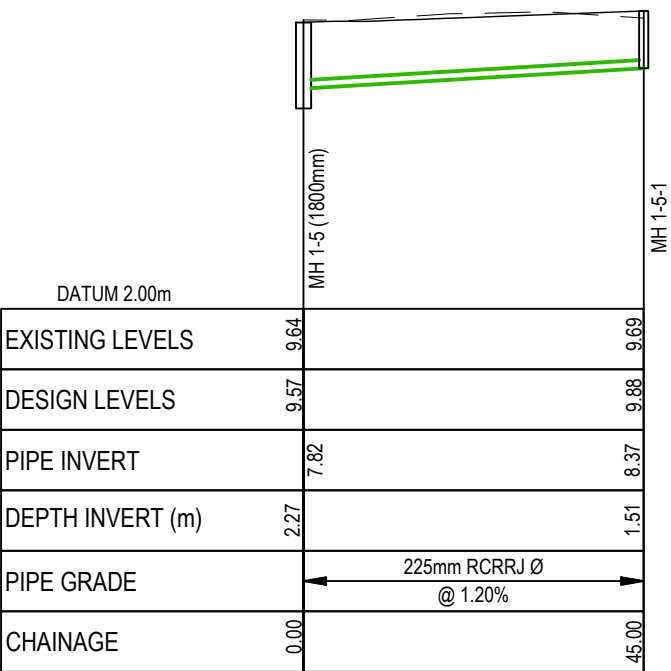
BUN60399307

Approved Resource Consent Plan

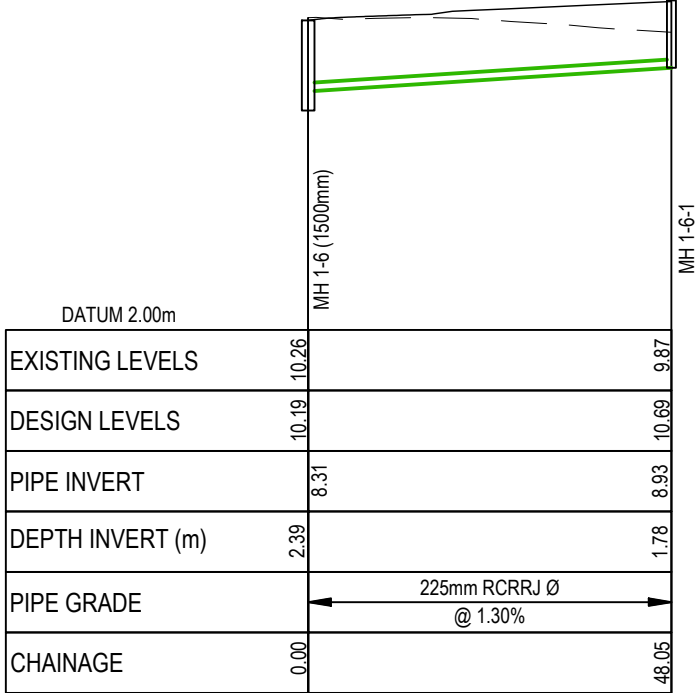
01/09/2023



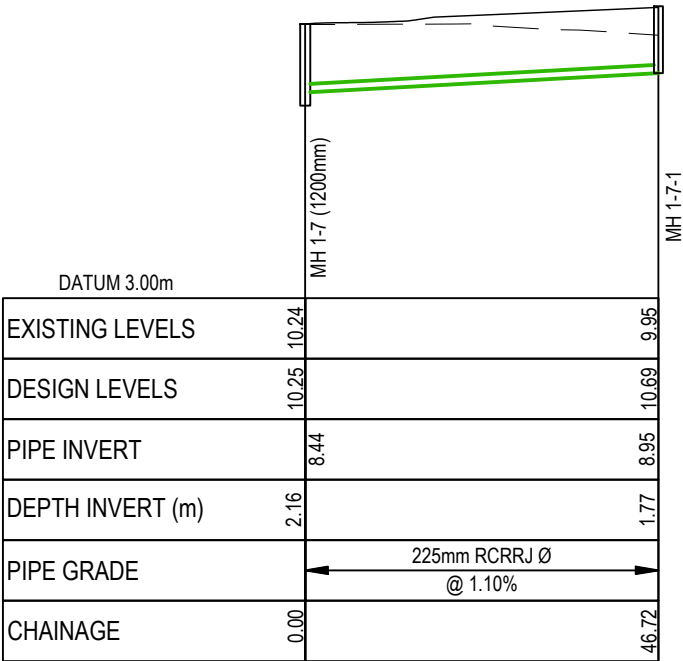
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SCALE: HORI 1:1000 VERT 1:200



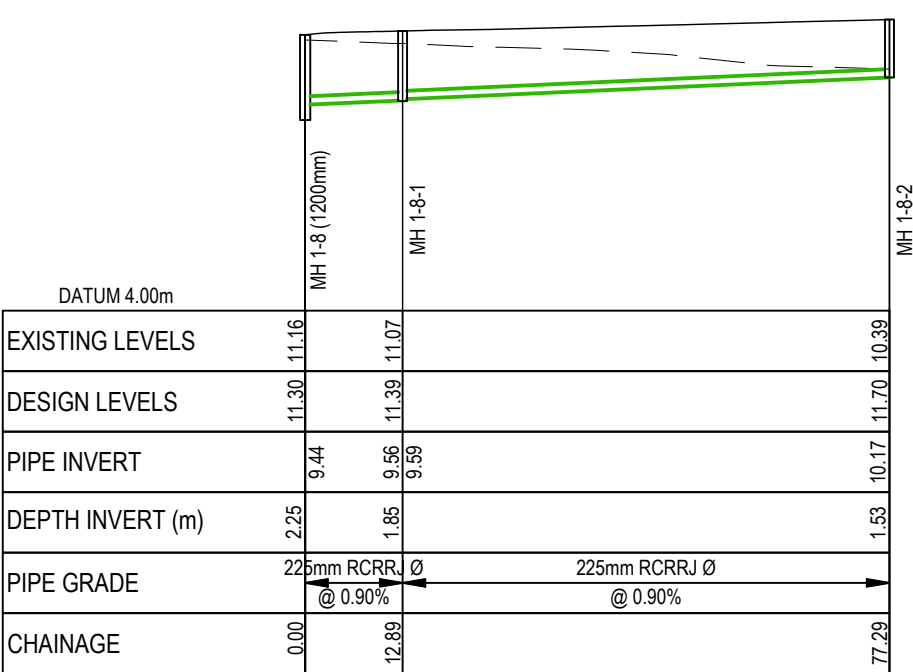
SW LINE 1-5-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 1-6-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 1-7-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 1-8-1
SCALE: HORI 1:1000 VERT 1:200

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Legend

- EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	

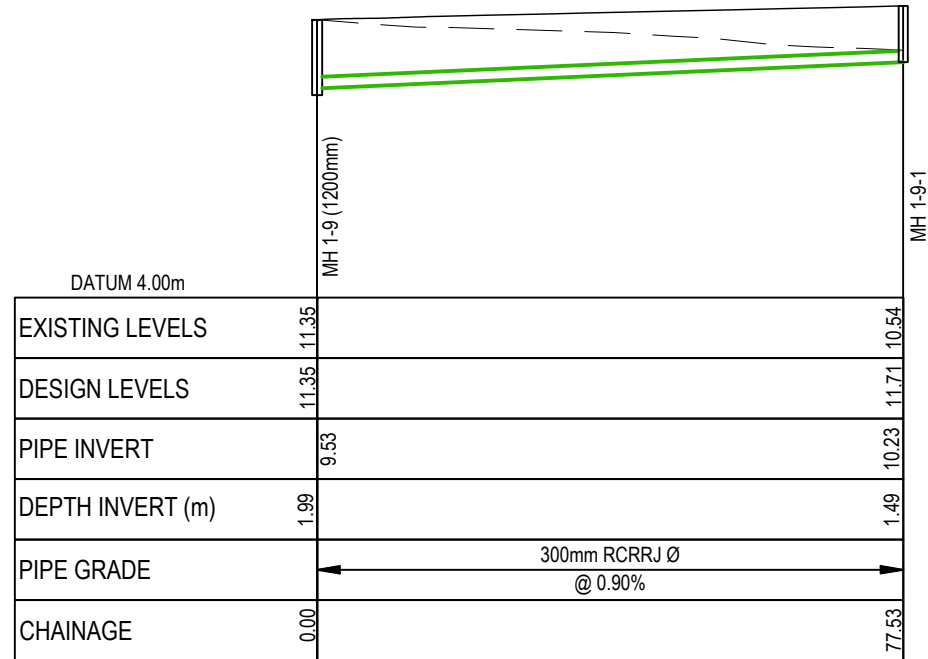


Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

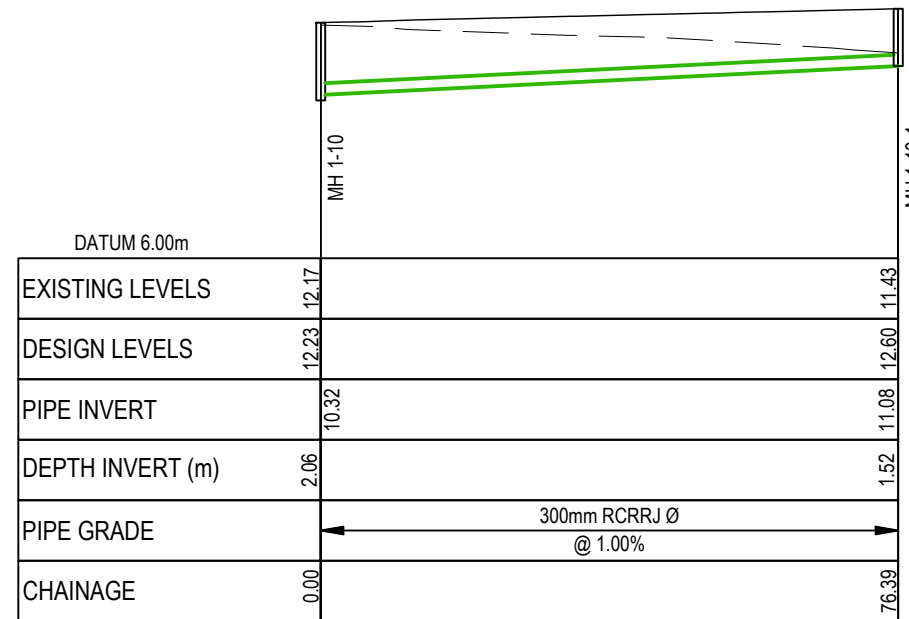
Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006
Scale	1:1000 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C421
Rev	H

RESOURCE CONSENT



SW LINE 1-9-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 1-10-1
SCALE: HORI 1:1000 VERT 1:200

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Legend

- EX GROUND LEVEL
- PROP FINISHED LEVEL
- HARDFILL BACKFILL

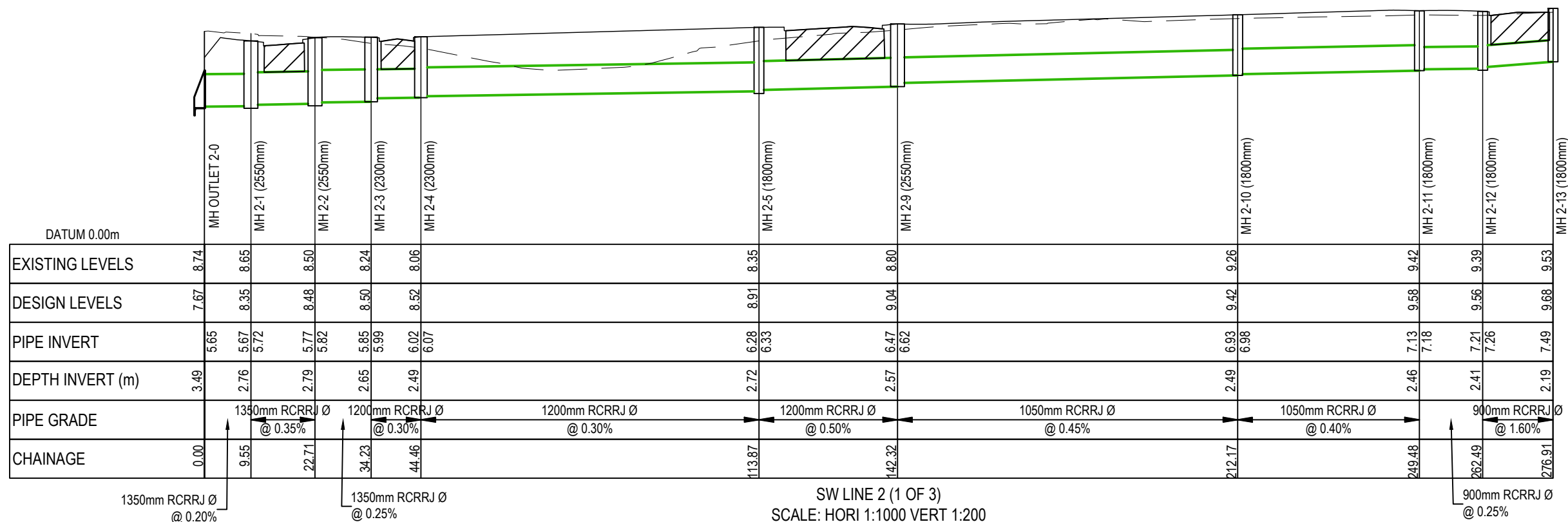
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022



Project
62, 78 & 80 PAKAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

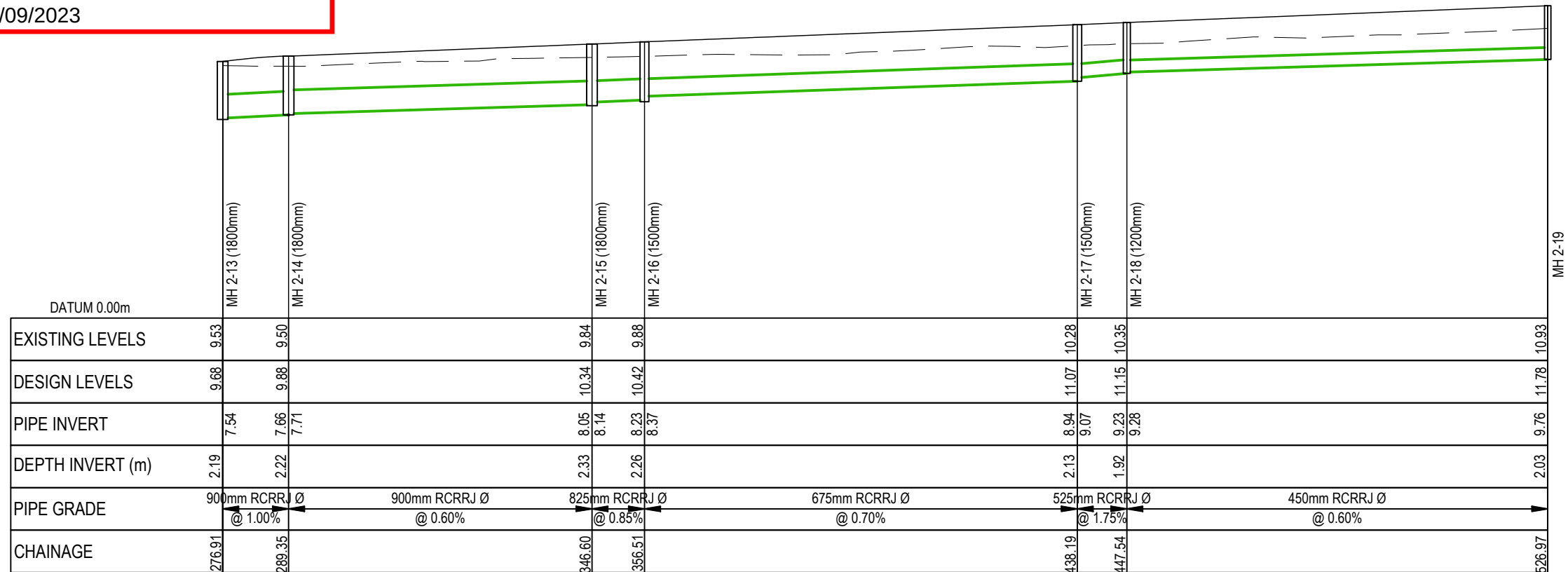
Title
PROPOSED STORMWATER DRAINAGE LONG SECTIONS

Project no.	194006
Scale	1:1000 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C422
Rev	H

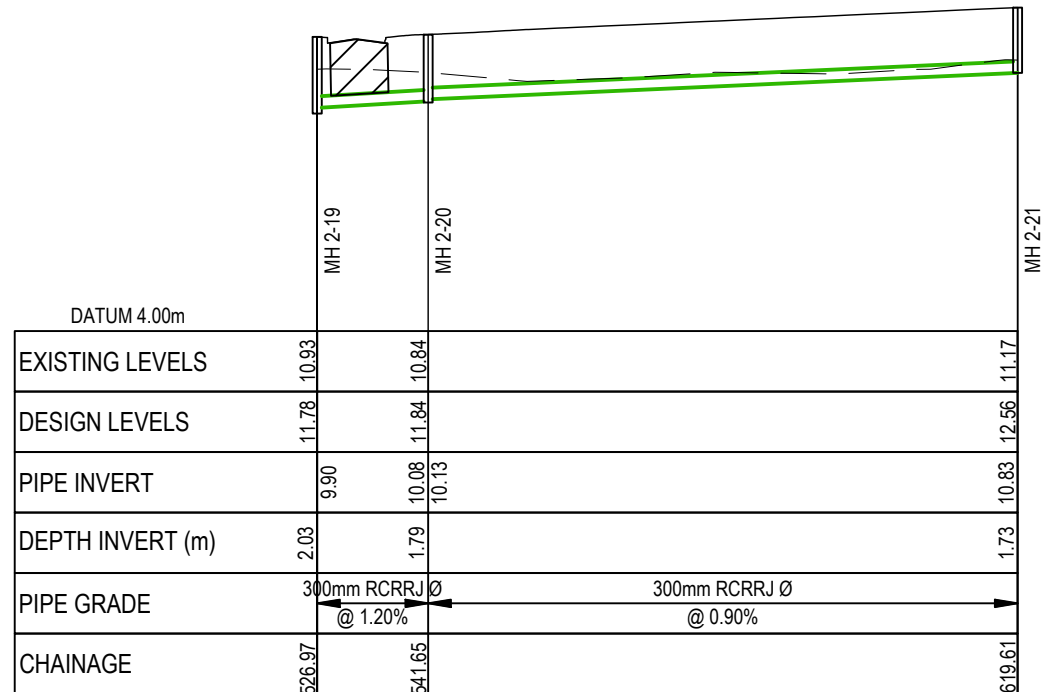


SW LINE 2 (1 OF 3)
SCALE: HORI 1:1000 VERT 1:200

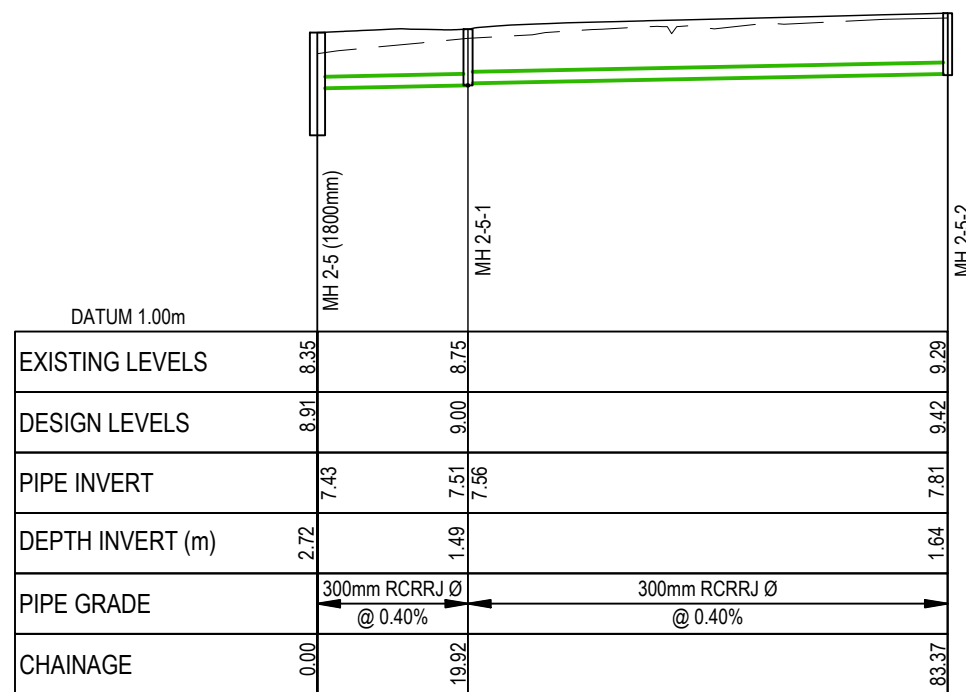
RESOURCE CONSENT



SW LINE 2 (2 OF 3)
SCALE: HORI 1:1000 VERT 1:200



SW LINE 2 (3 OF 3)
SCALE: HORI 1:1000 VERT 1:200



SW LINE 2-5-1
SCALE: HORI 1:1000 VERT 1:200

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Legend

- EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

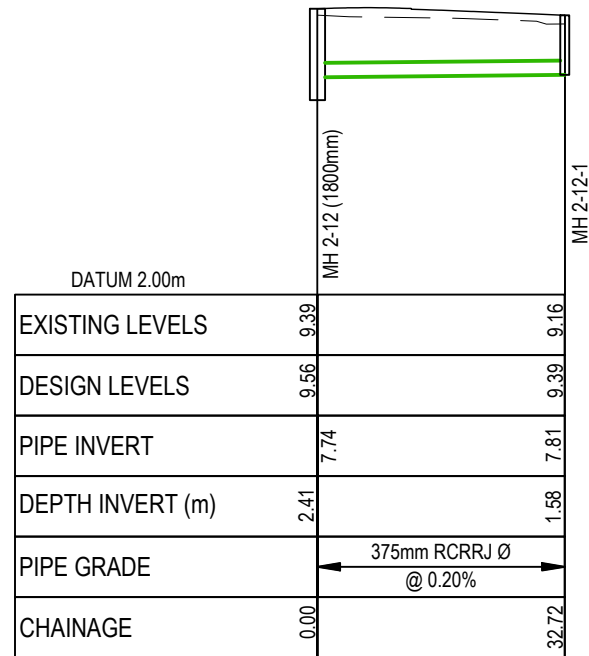
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



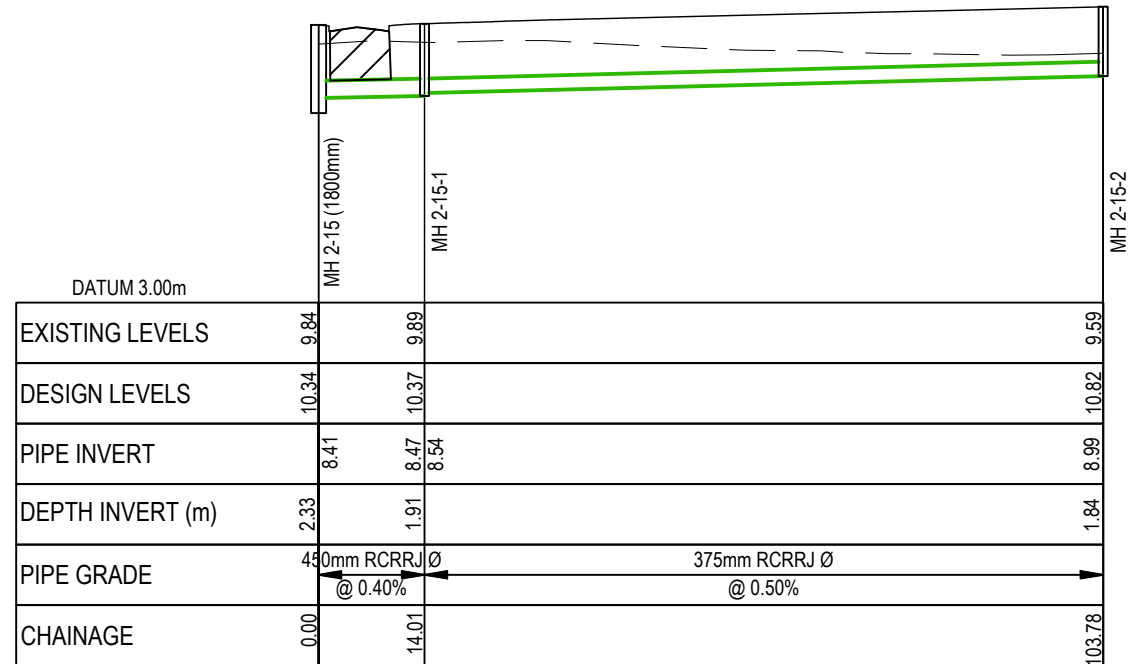
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

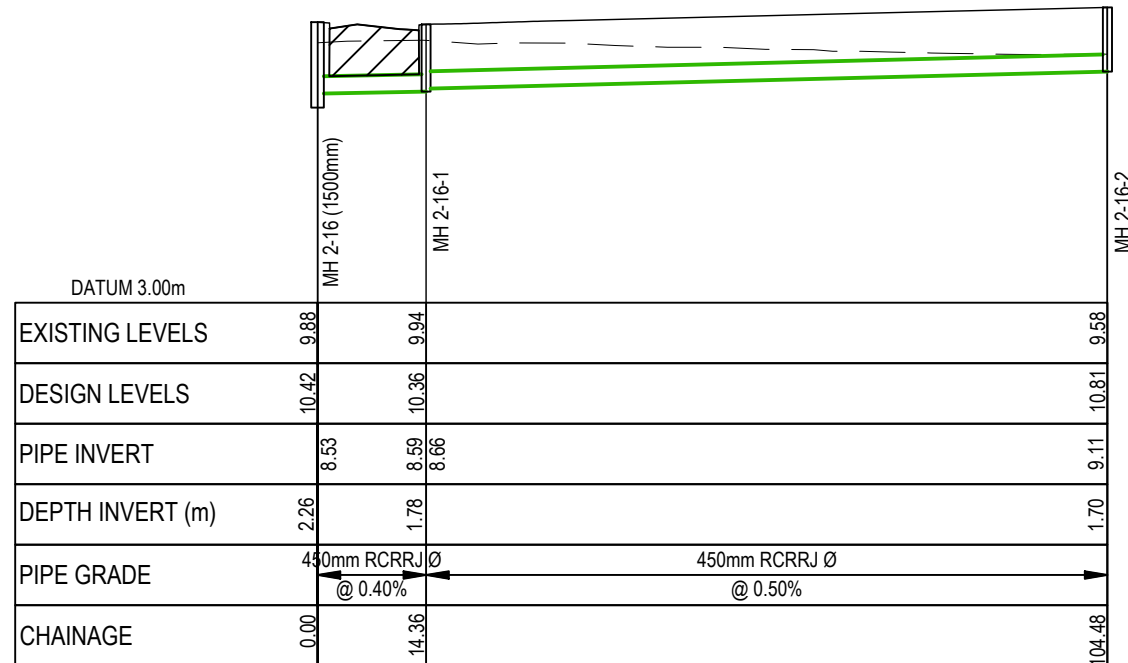
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Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C423	Rev	H



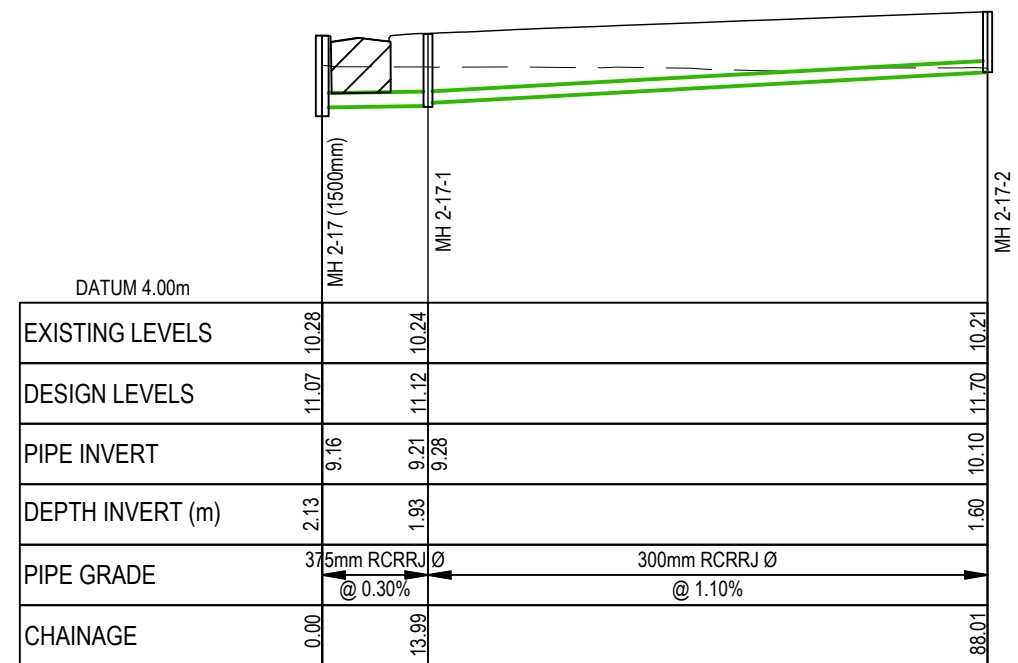
SW LINE 2-12-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 2-15-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 2-16-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 2-17-1
SCALE: HORI 1:1000 VERT 1:200

Notes

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Legend

- EX GROUND LEVEL
— PROP FINISHED LEVEL
/// HARDFILL BACKFILL

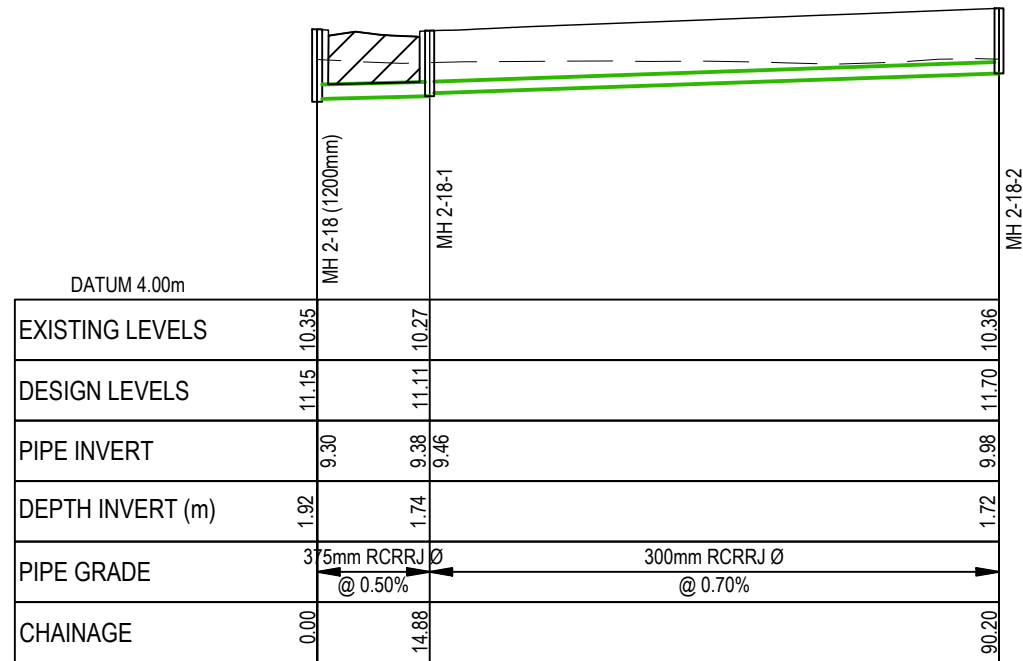
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



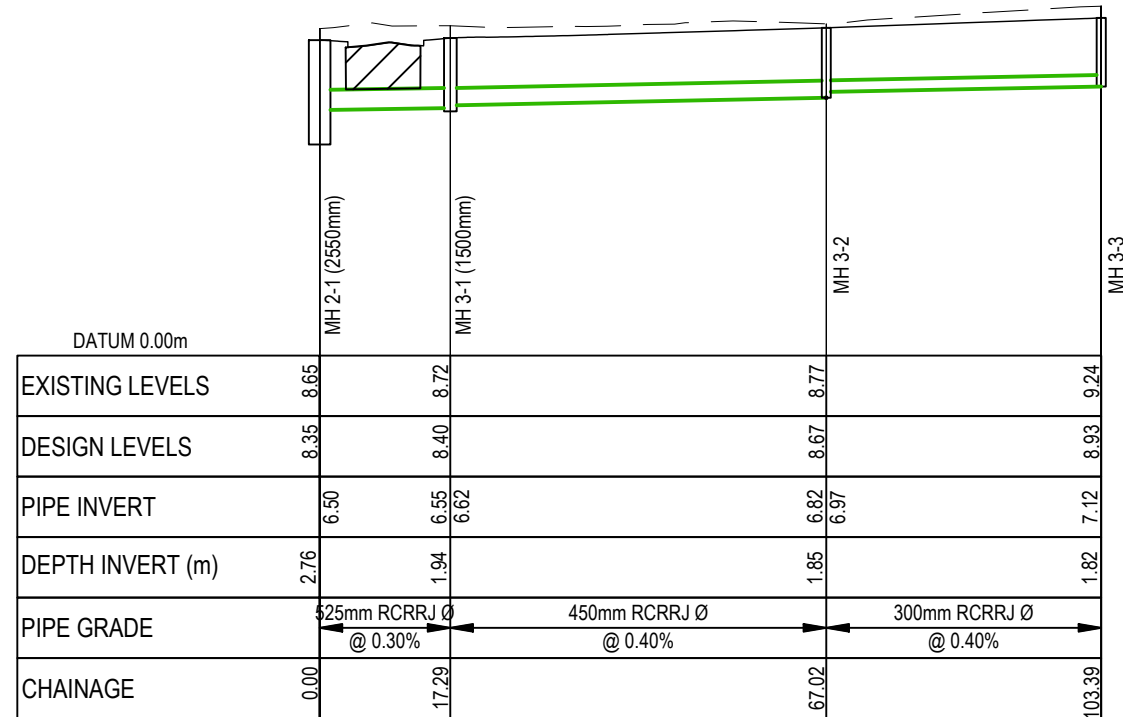
Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

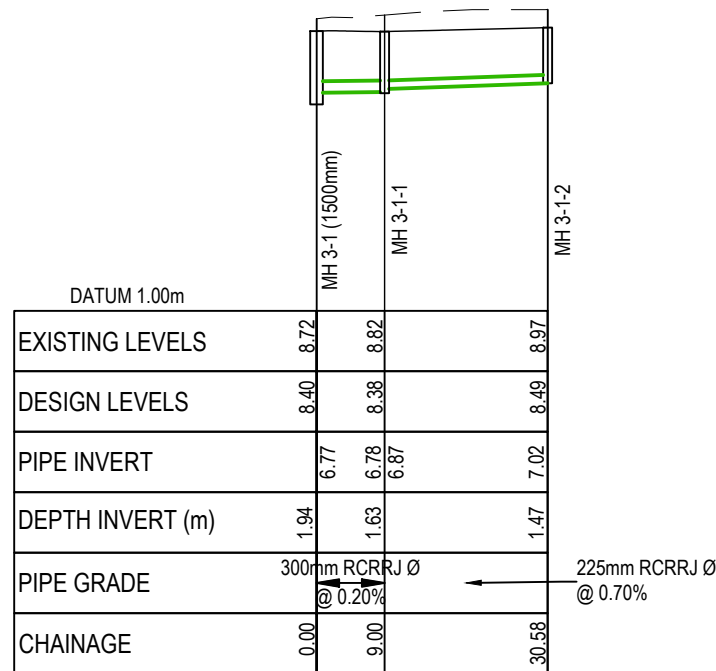
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Cad file	C400- DRAINAGE.DWG		
Drawing no.	C424	Rev	H



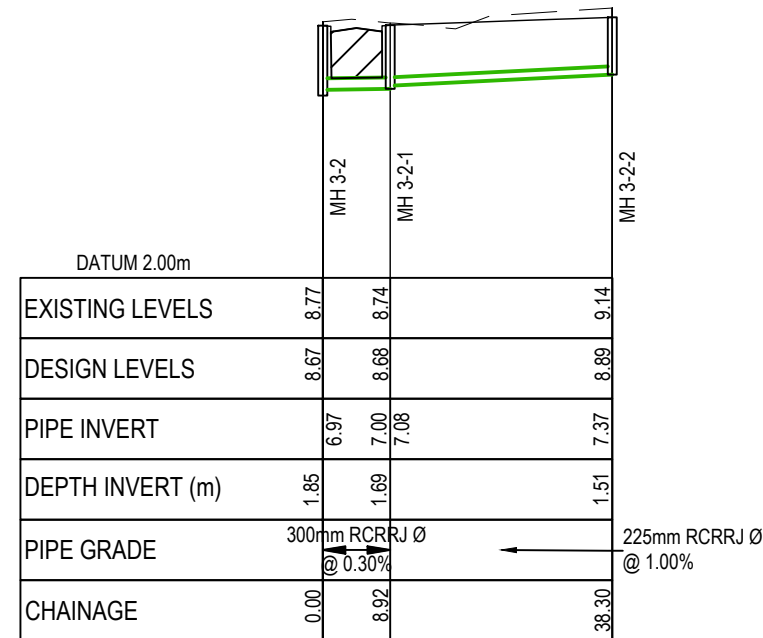
SW LINE 2-18-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 3
SCALE: HORI 1:1000 VERT 1:200



3-1-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 3-2-1
SCALE: HORI 1:1000 VERT 1:200

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Legend

- EX GROUND LEVEL
— PROP FINISHED LEVEL
— HARDFILL BACKFILL

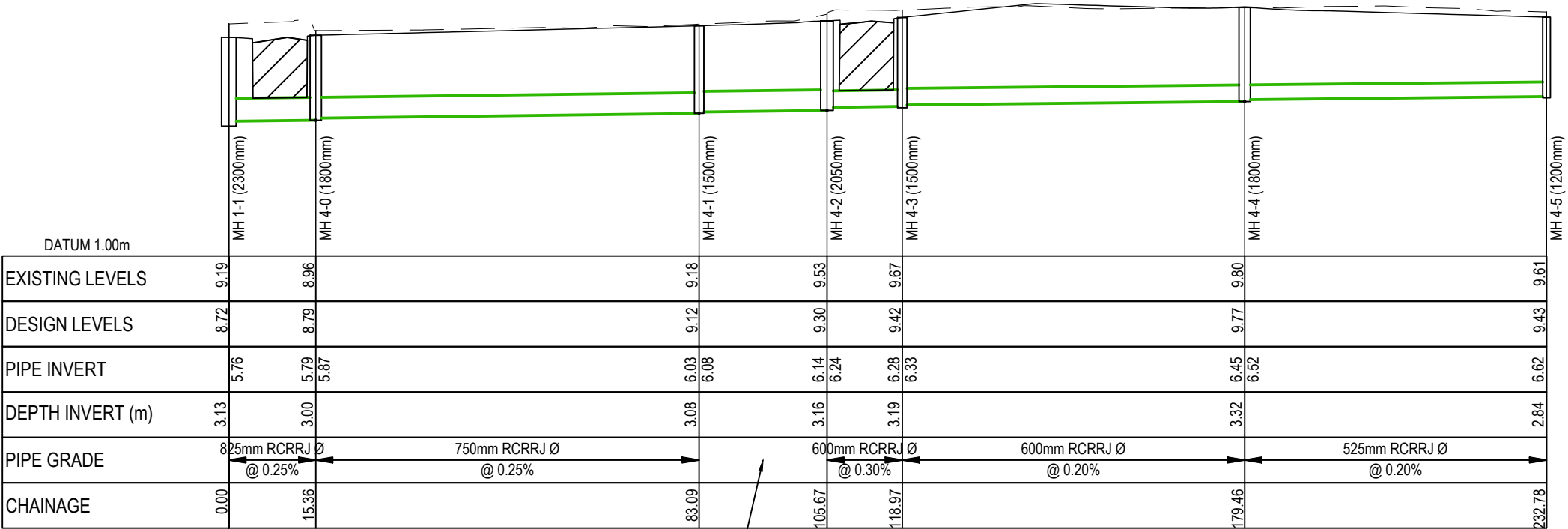
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

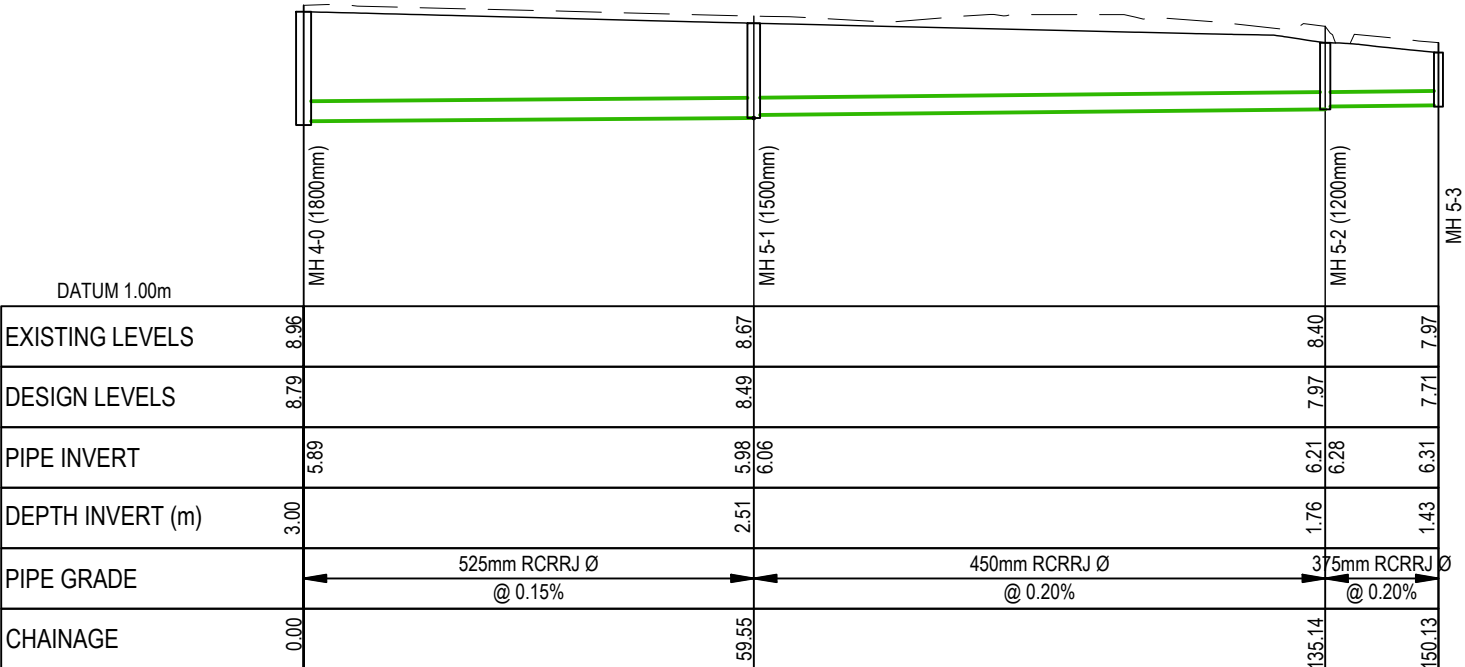
Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C425	Rev	H



750mm RCRRJ Ø @ 0.25%
SW LINE 4 (1 OF 2)
SCALE: HORI 1:1000 VERT 1:200



SW LINE 4 (2 OF 2)
SCALE: HORI 1:1000 VERT 1:200



SW LINE 5
SCALE: HORI 1:1000 VERT 1:200

RESOURCE CONSENT

BUN60399307
Approved Resource Consent Plan

01/09/2023



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Legend

EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date

	By	Date
Survey	SURVEYWORX	12/2021
Design	JV	01/2022
Drawn	MS	02/2022
Checked	JP	02/2022



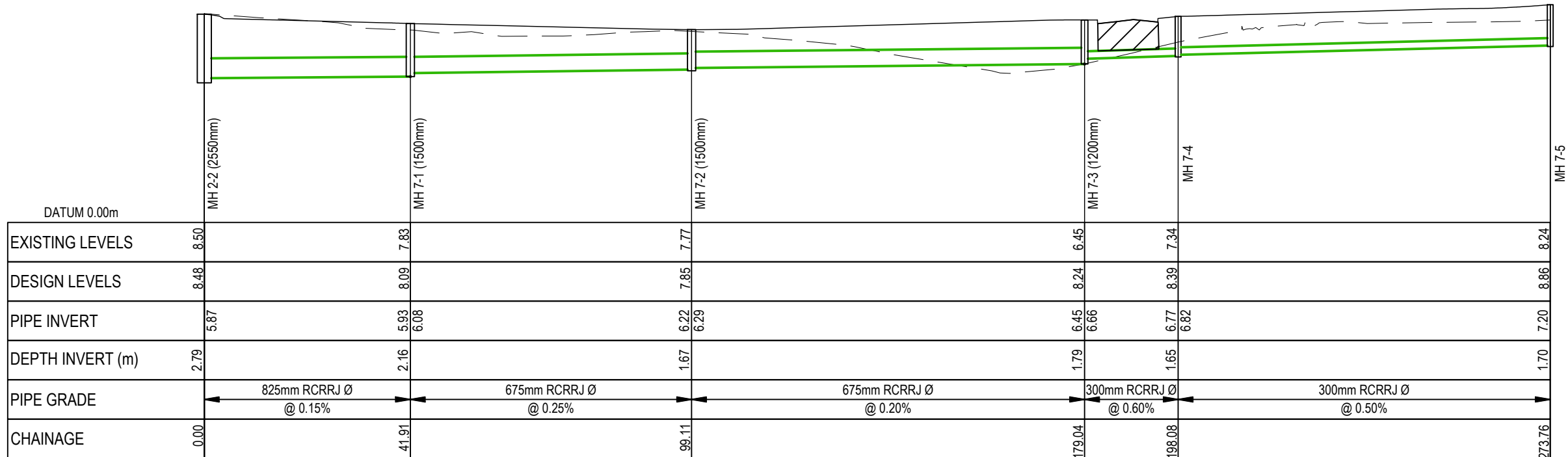
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006
Scale	1:1000 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C426
Rev	H



SW LINE 6
SCALE: HORI 1:1000 VERT 1:200



SW LINE 7
SCALE: HORI 1:1000 VERT 1:200

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Legend

EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

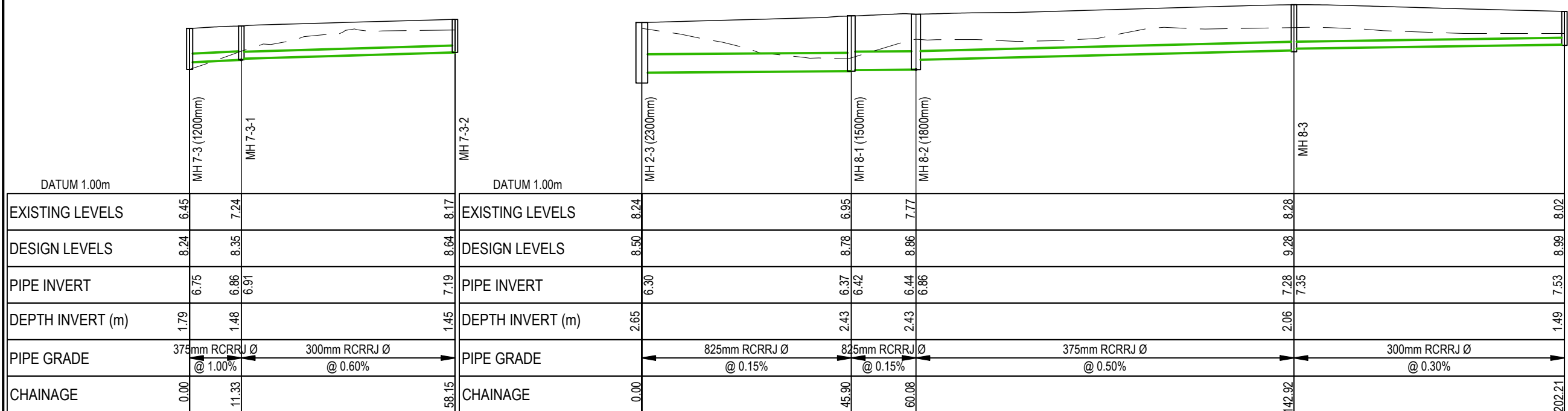
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
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Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006
Scale	1:1000 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C427
Rev	H



- Notes
1. All works to be in accordance with Auckland council standards.
 2. Co-ordinates in terms of NZ Geodetic Datum Mt Eden 2000. Levels in terms of the Auckland Vertical Datum 1946.
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Legend

EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

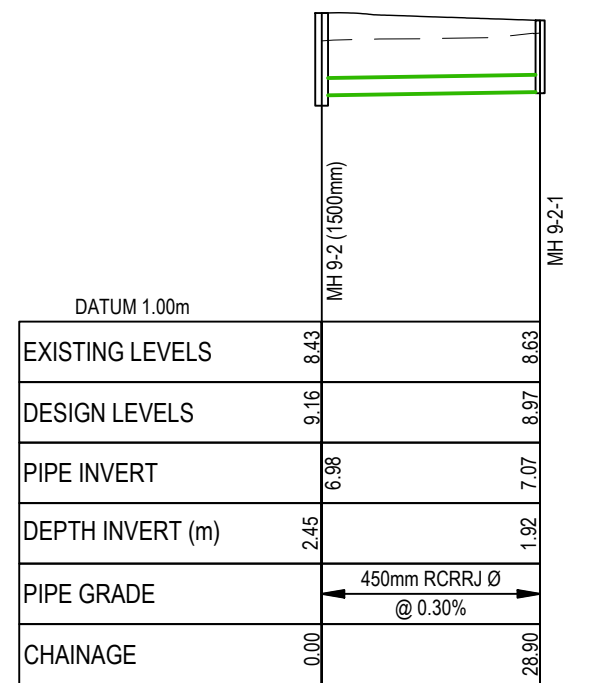
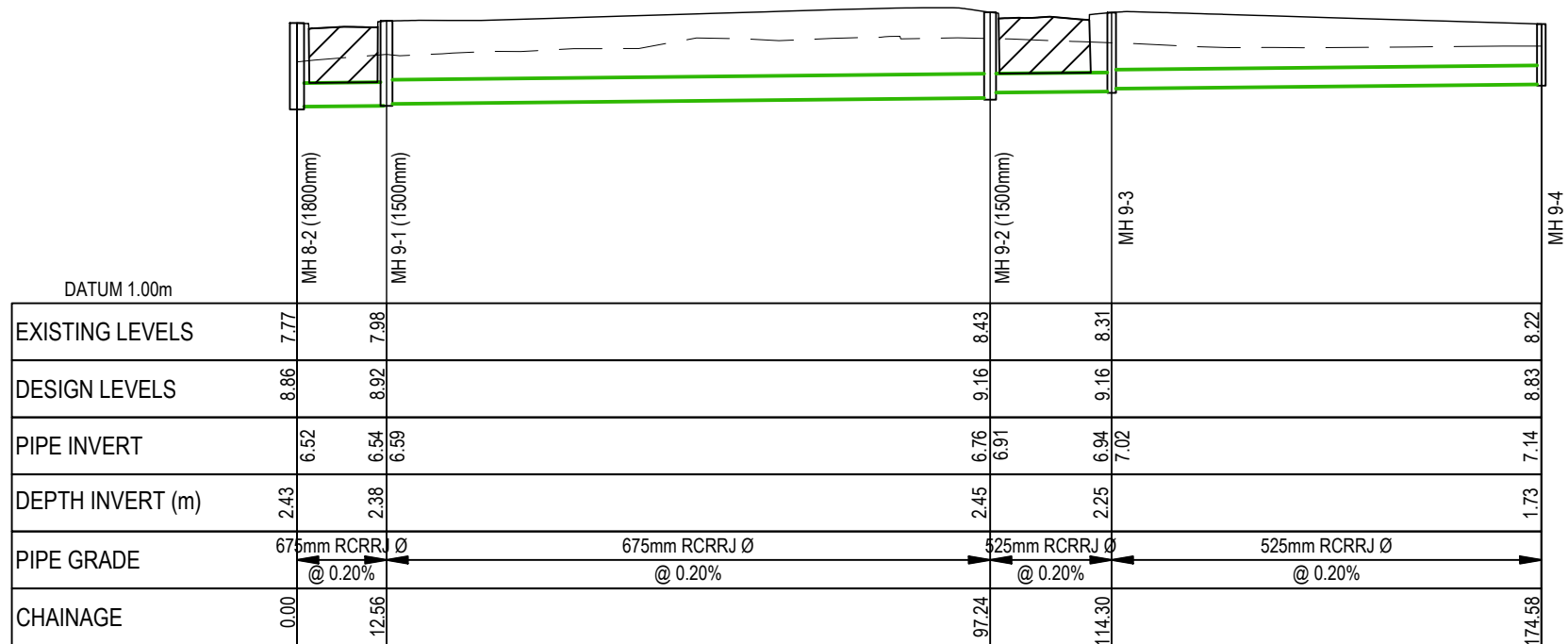
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	

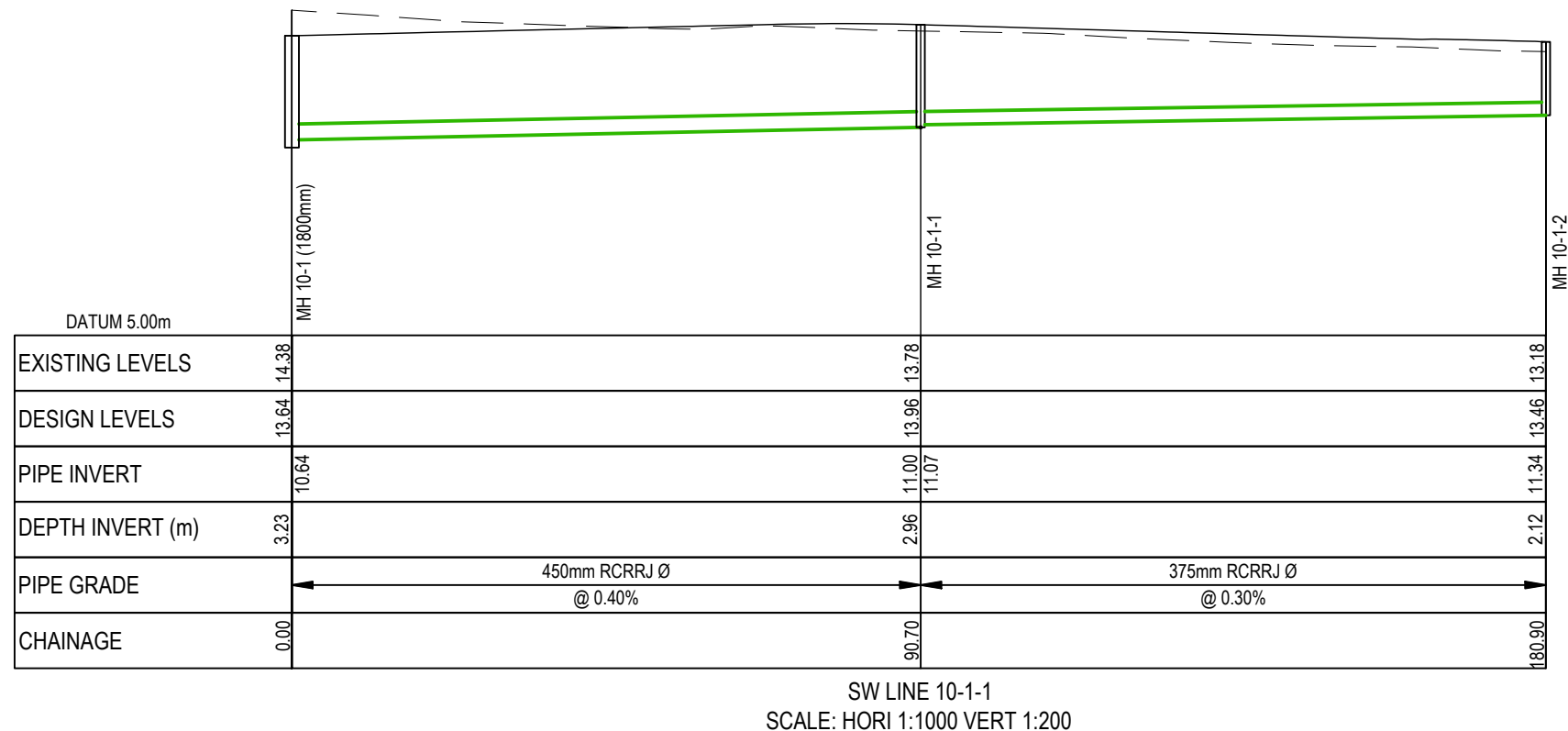
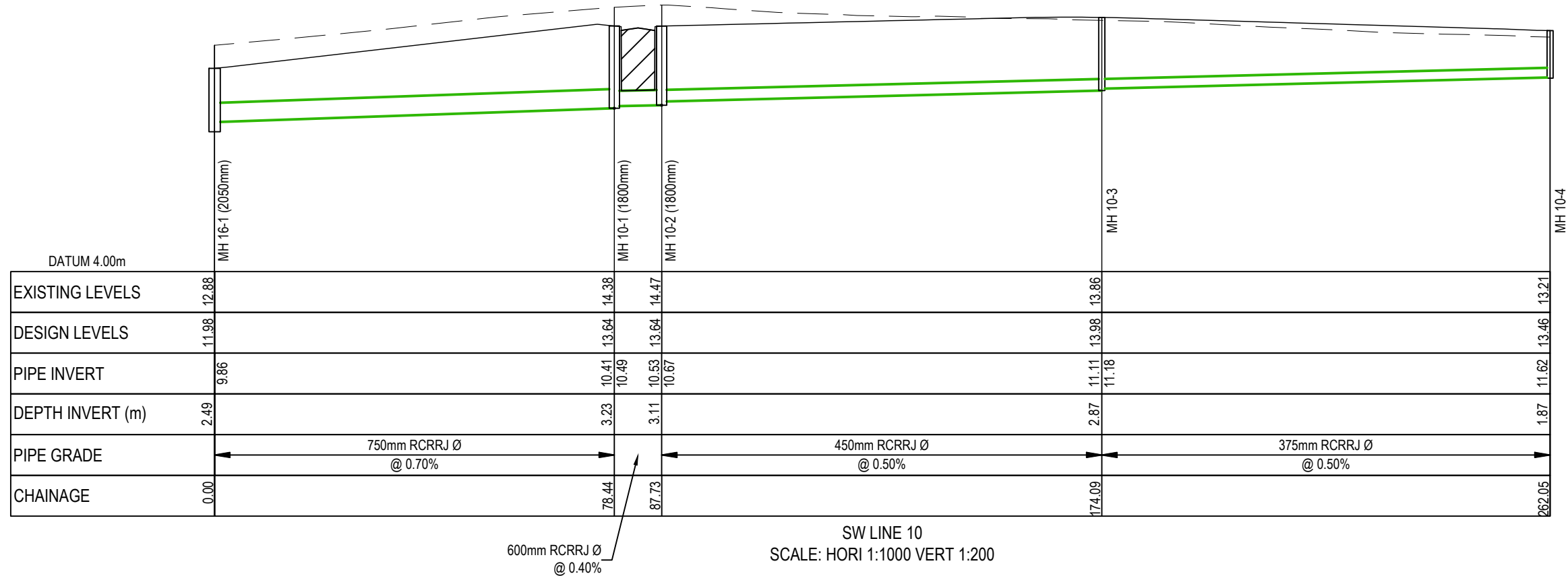


Project
62, 78 & 80 PAPA KURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

Title
PROPOSED STORMWATER DRAINAGE LONG SECTIONS

Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C428	Rev	H





Notes

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Legend

- EX GROUND LEVEL
- PROP FINISHED LEVEL
- HARDFILL BACKFILL

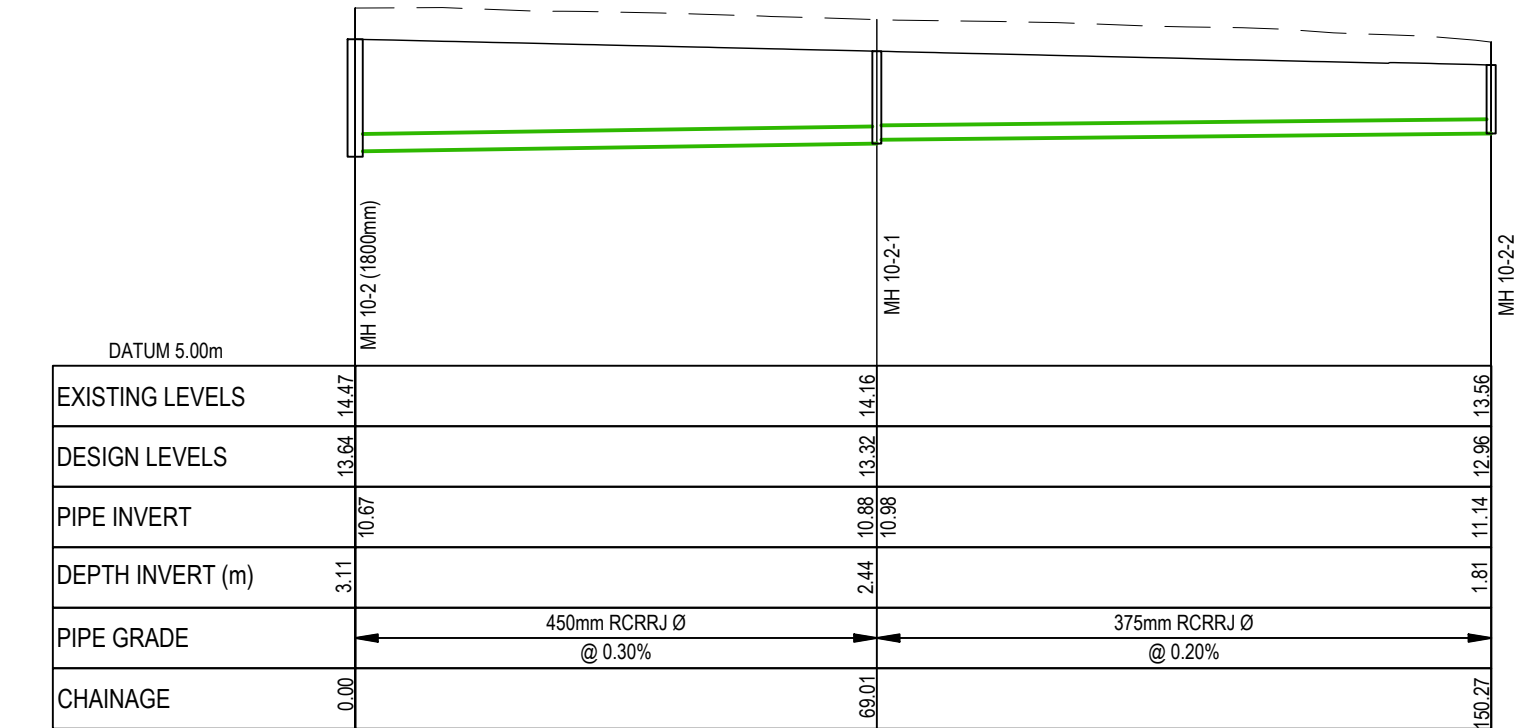
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



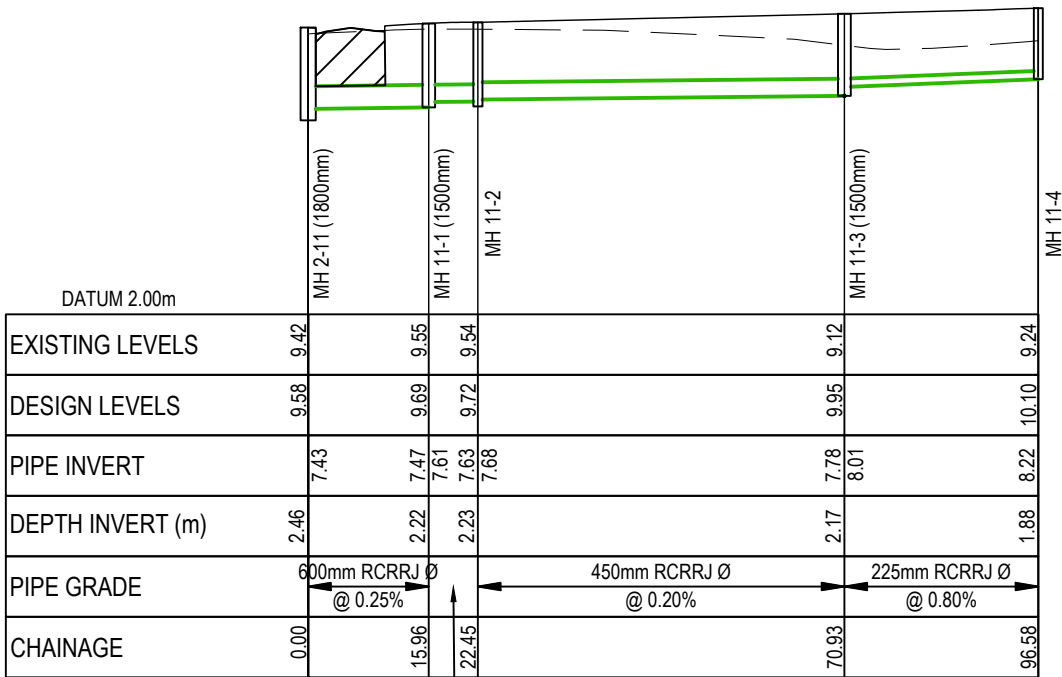
Project
**62, 78 & 80 PAPA KURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

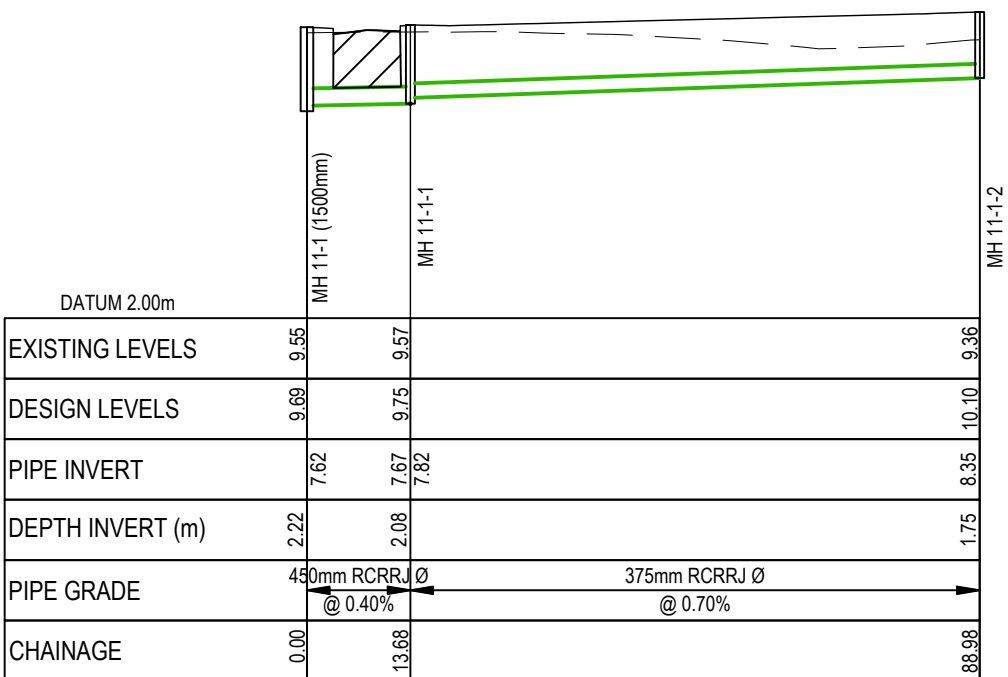
Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C429	Rev	H



SW LINE 10-2-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 11
SCALE: HORI 1:1000 VERT 1:200
450mm RCRRJ Ø @ 0.20%



SW LINE 11-1-1
SCALE: HORI 1:1000 VERT 1:200



BUN60399307
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Legend

EX GROUND LEVEL

PROP FINISHED LEVEL

HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022

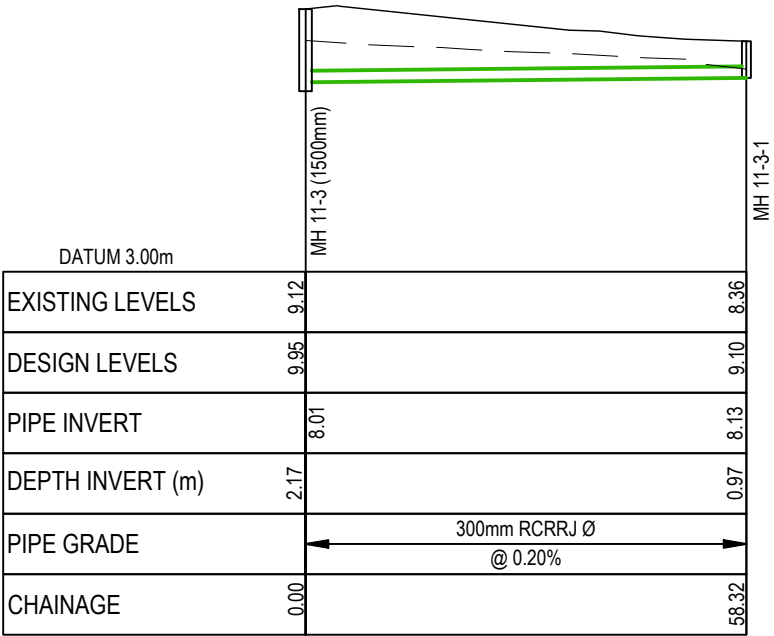


Maven Associates
09 571 0050
info@maven.co.nz
www.maven.co.nz
5 Owens Road, Epsom
Auckland 1023

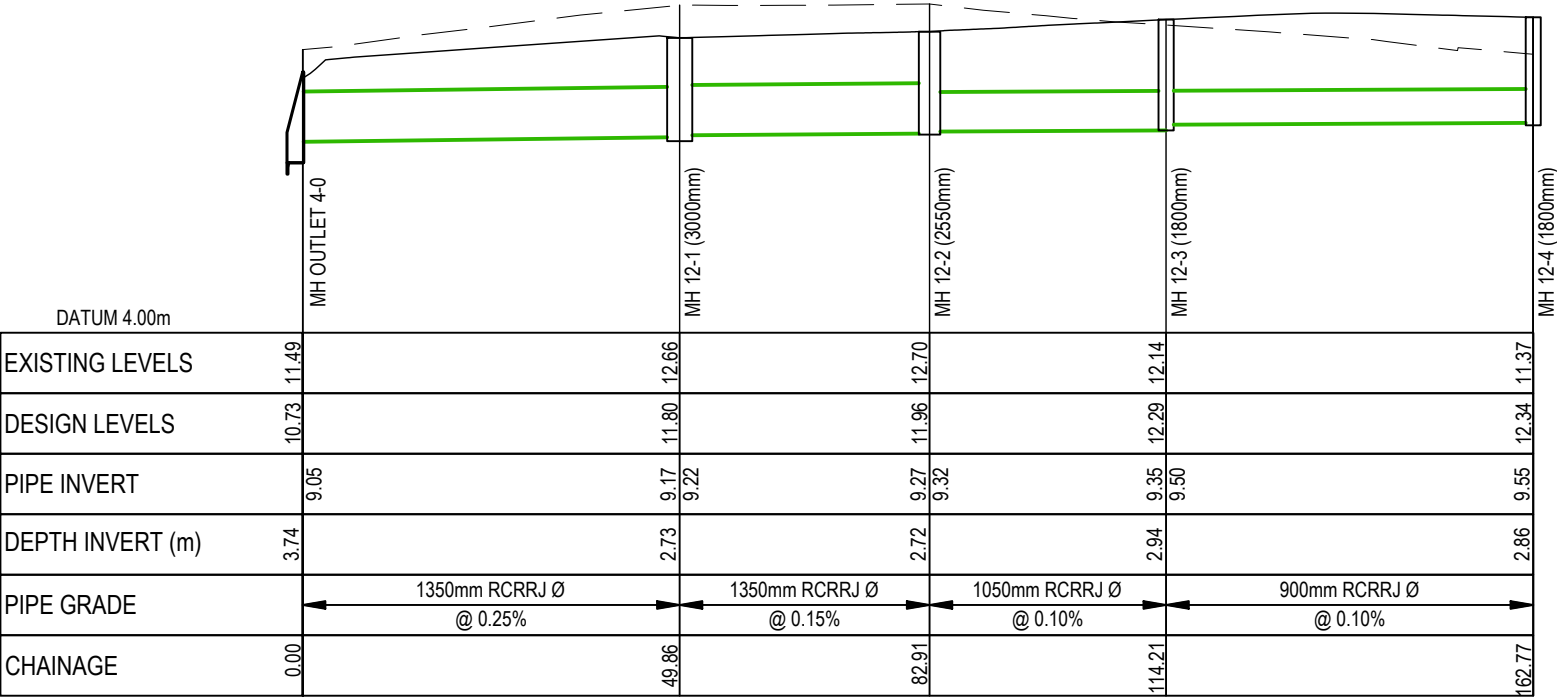
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

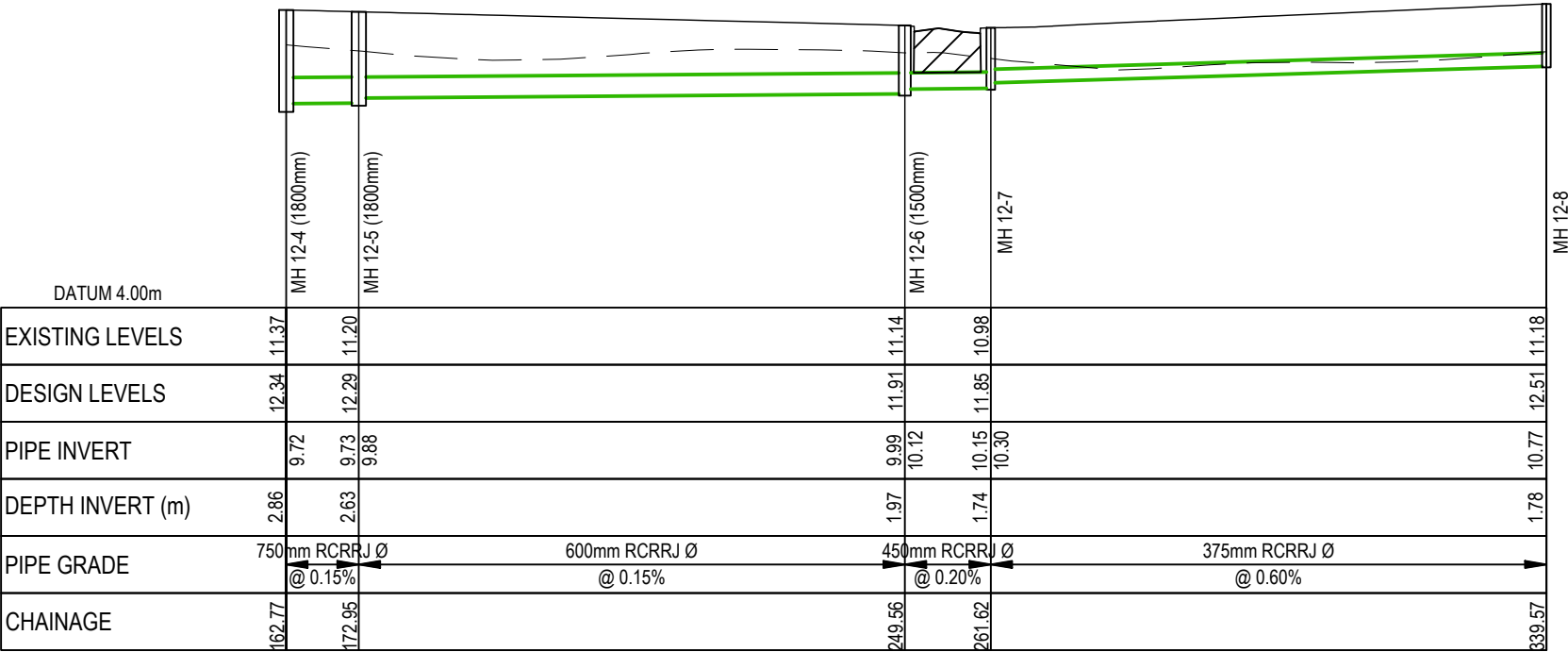
Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C430	Rev	H



SW LINE 11-3-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 12 (1 OF 2)
SCALE: HORI 1:1000 VERT 1:200



SW LINE 12 (2 OF 2)
SCALE: HORI 1:1000 VERT 1:200

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Legend

EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

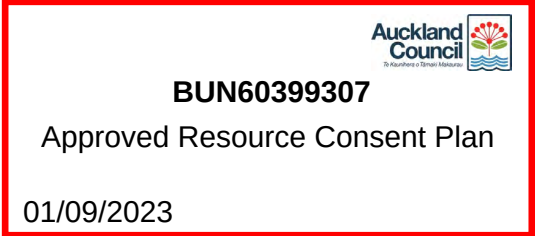
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	

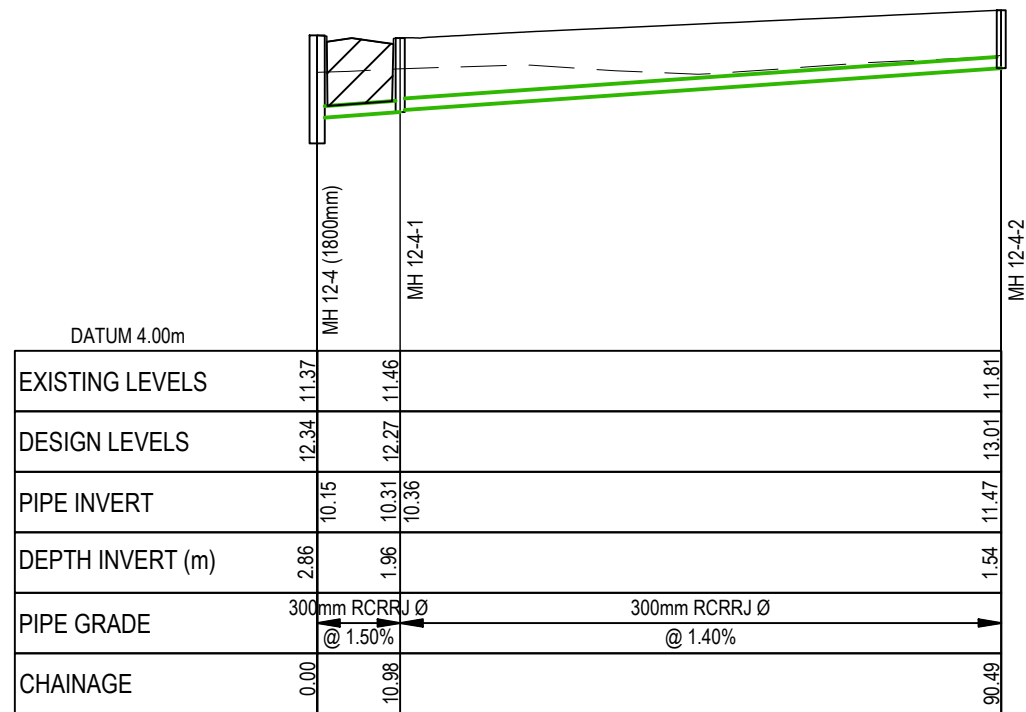


Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

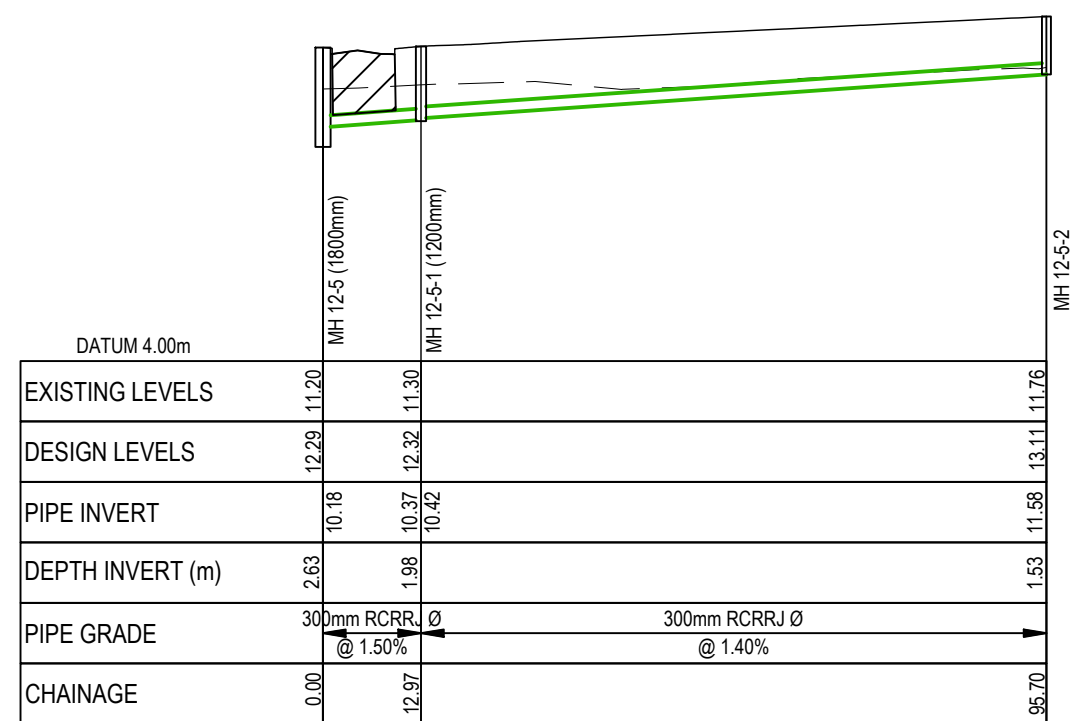
Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006
Scale	1:1000 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C431
Rev	H

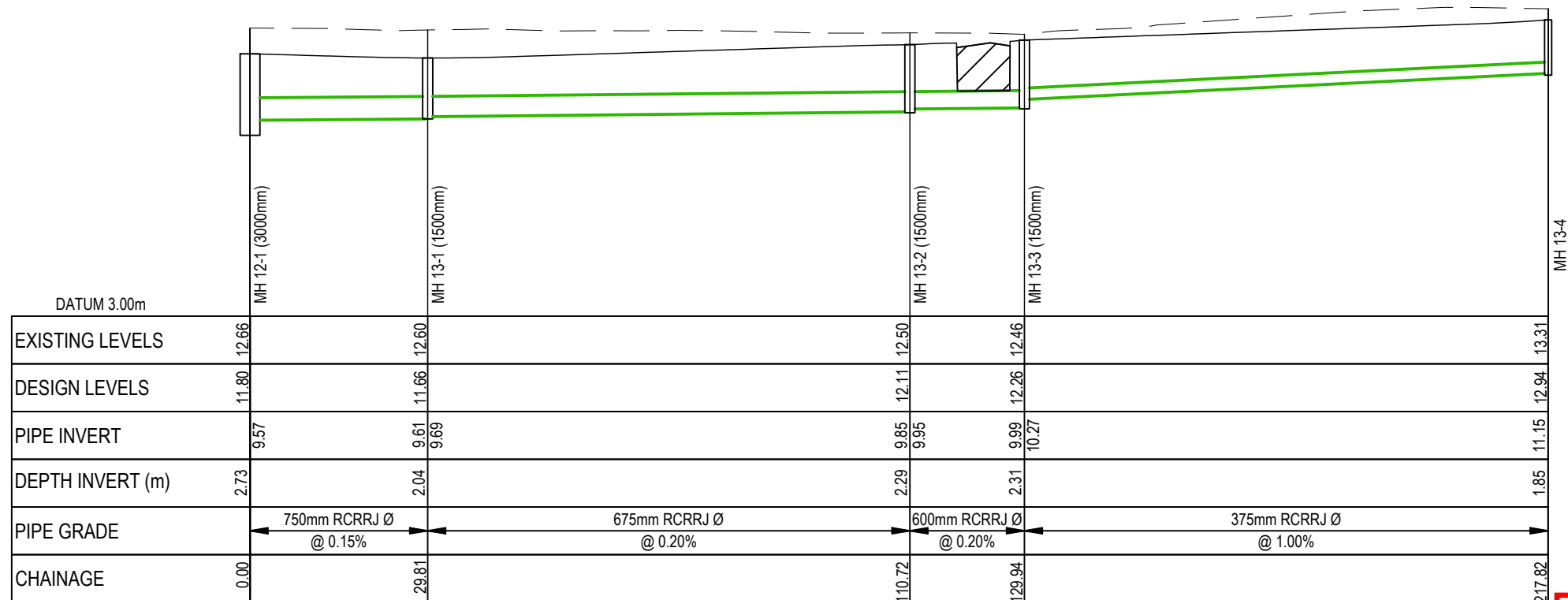




SW LINE 12-4-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 12-5-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 13
SCALE: HORI 1:1000 VERT 1:200

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Legend

— EX GROUND LEVEL
— PROP FINISHED LEVEL
— HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C432	Rev	H

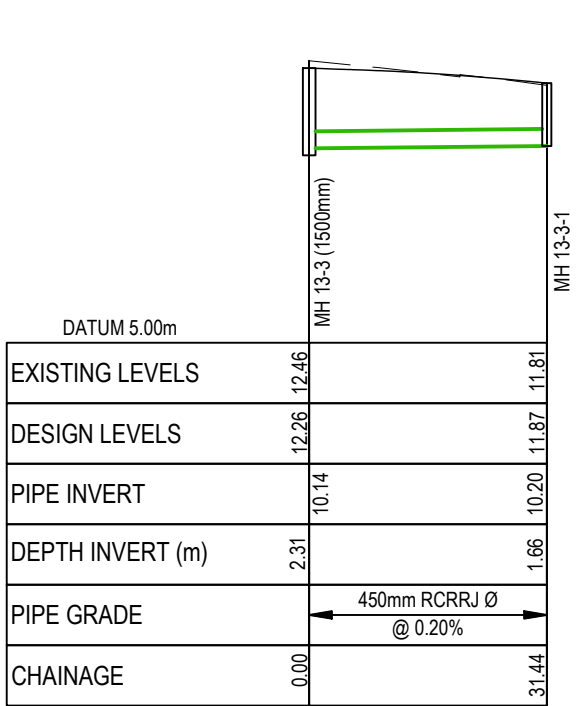


BUN60399307

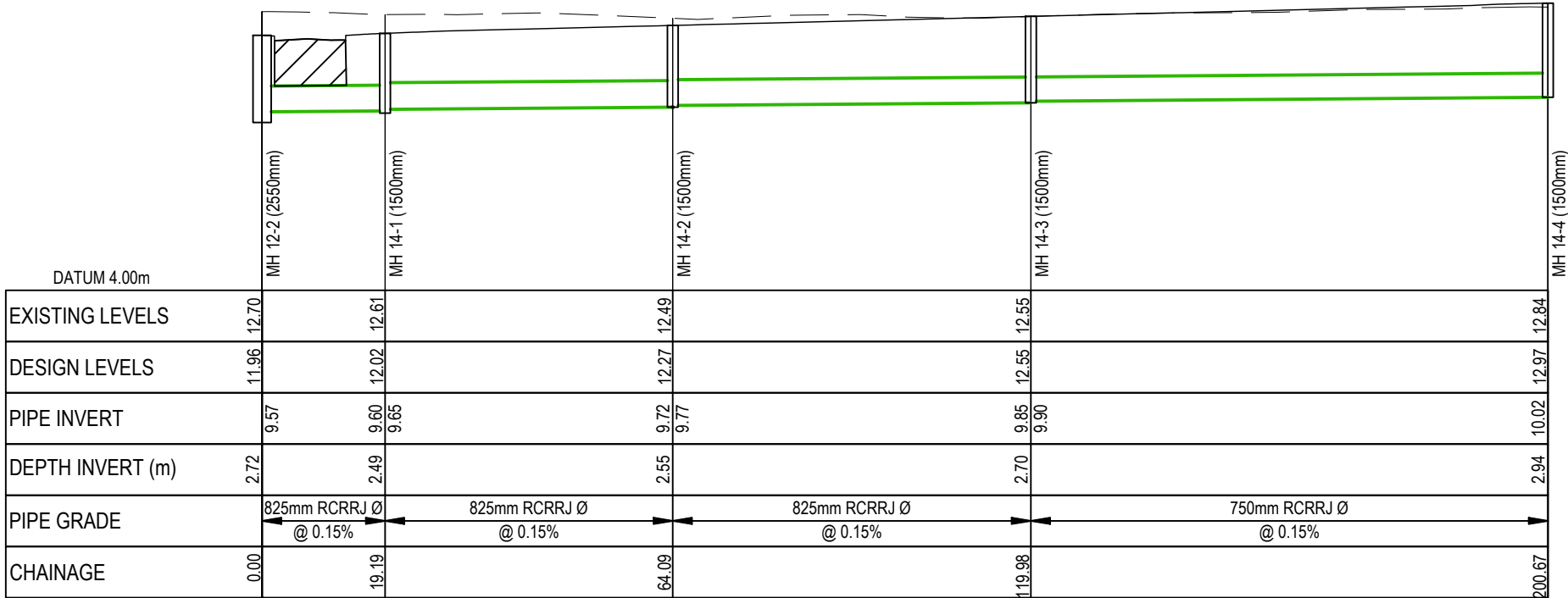
Approved Resource Consent Plan

01/09/2023

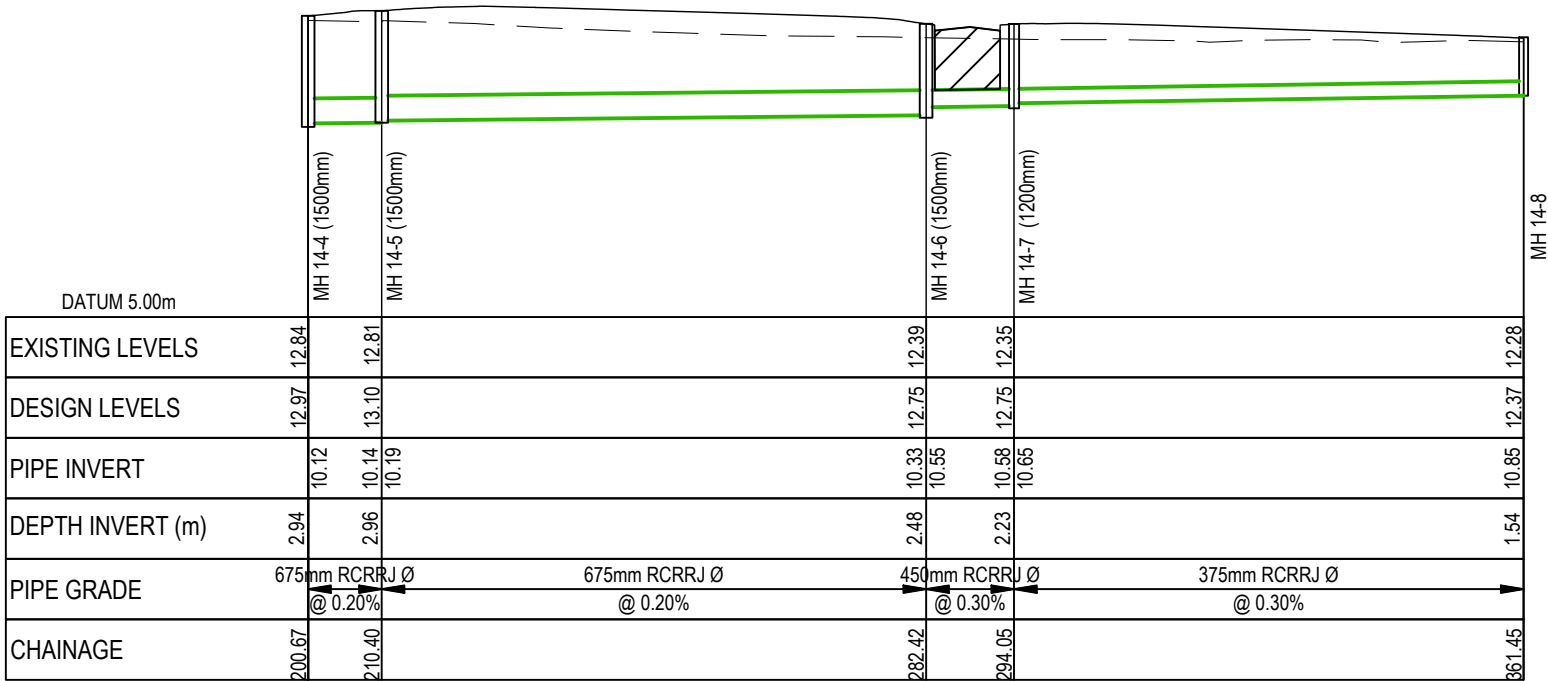
RESOURCE CONSENT



SW LINE 13-3-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 14 (1 OF 2)
SCALE: HORI 1:1000 VERT 1:200



SW LINE 14 (2 OF 2)
SCALE: HORI 1:1000 VERT 1:200

- Notes
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Legend

EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	Survey	SURVEYWORX	12/2021
	Design	JV	01/2022
	Drawn	MS	02/2022
	Checked	JP	02/2022



Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006
Scale	1:1000 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C433
Rev	H

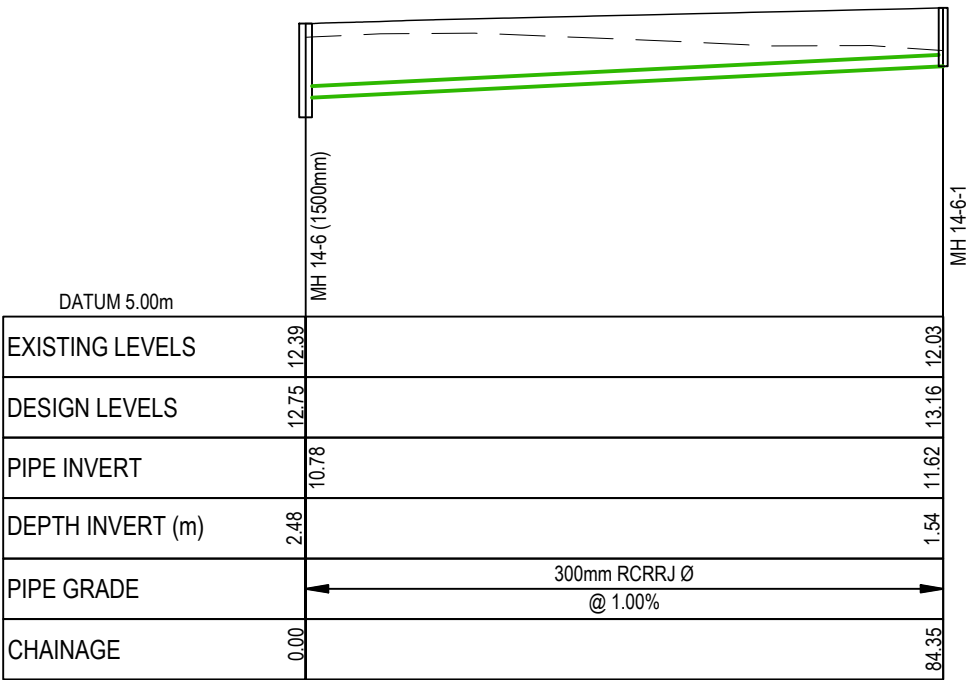


BUN60399307

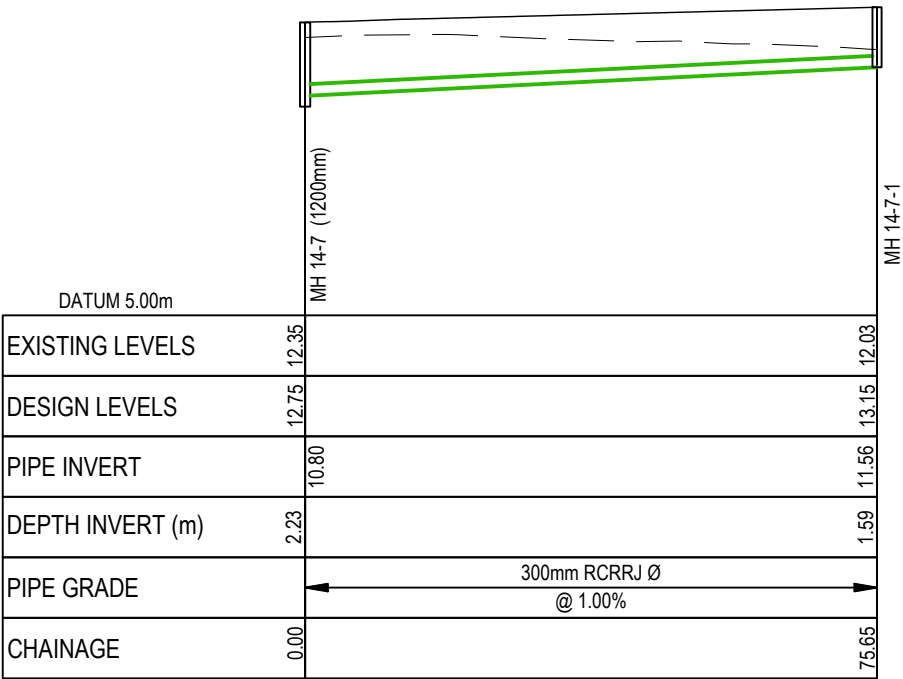
Approved Resource Consent Plan

01/09/2023

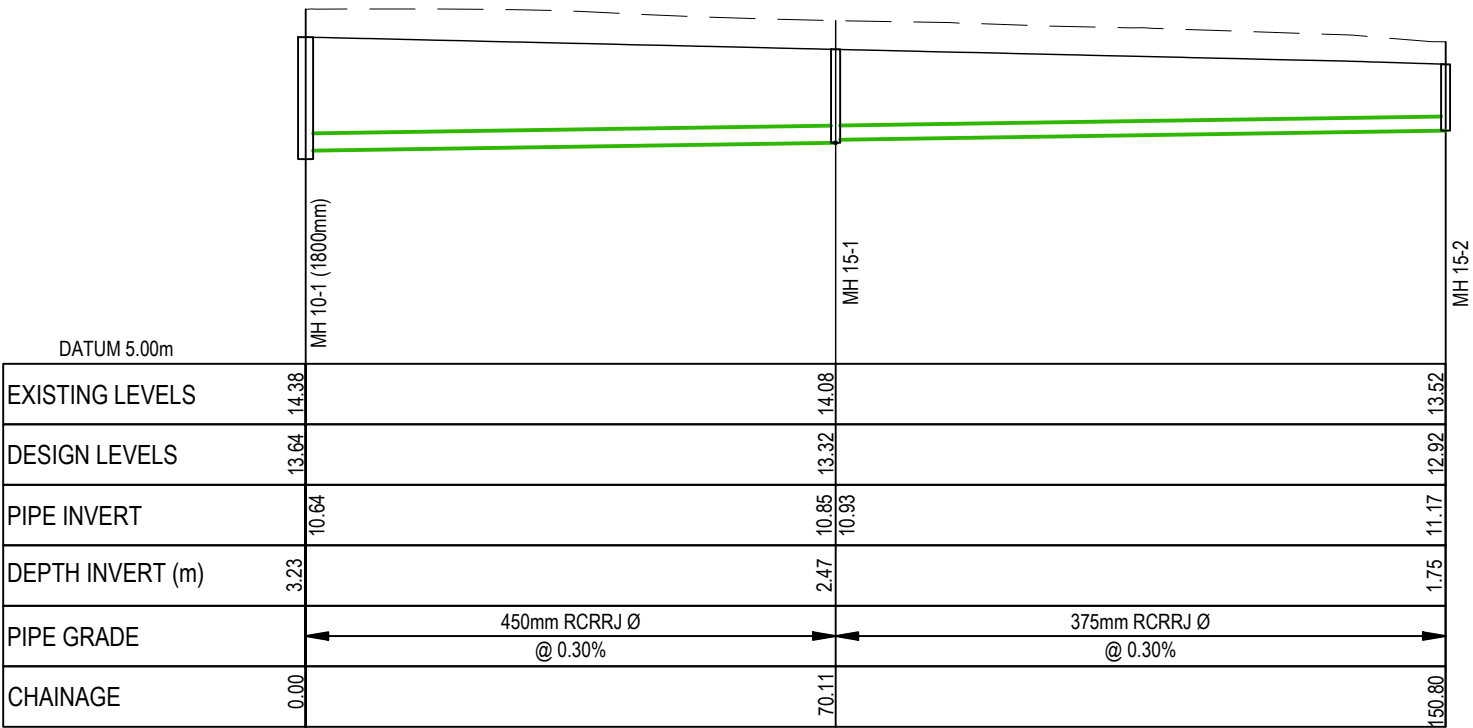
RESOURCE CONSENT



SW LINE 14-6-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 14-7-1
SCALE: HORI 1:1000 VERT 1:200



SW LINE 15
SCALE: HORI 1:1000 VERT 1:200

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Legend

EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



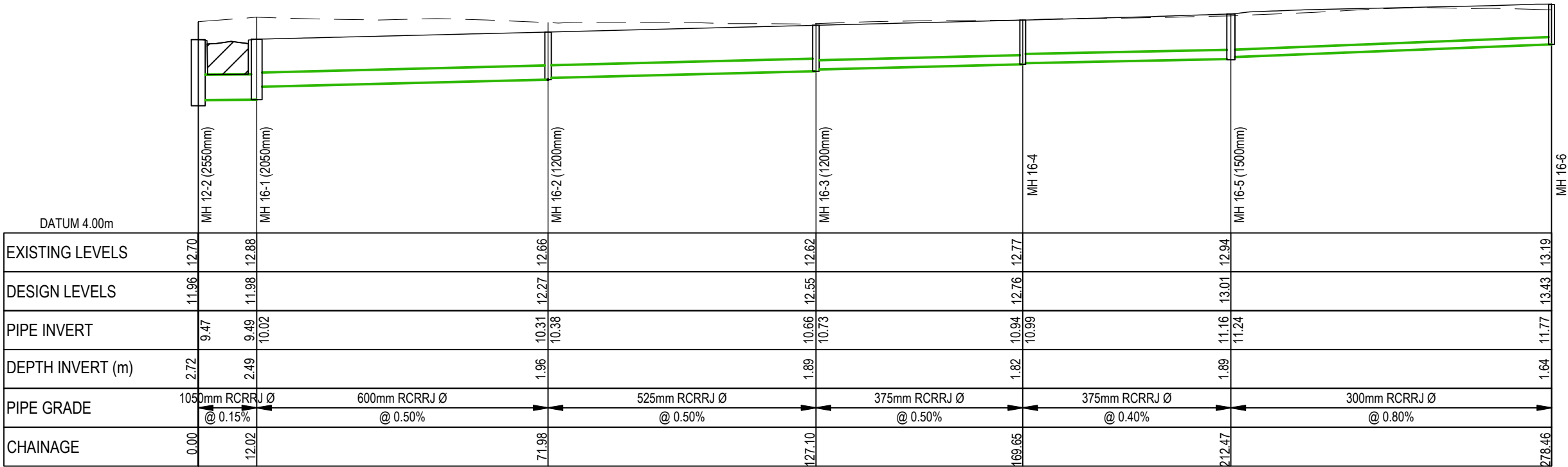
Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

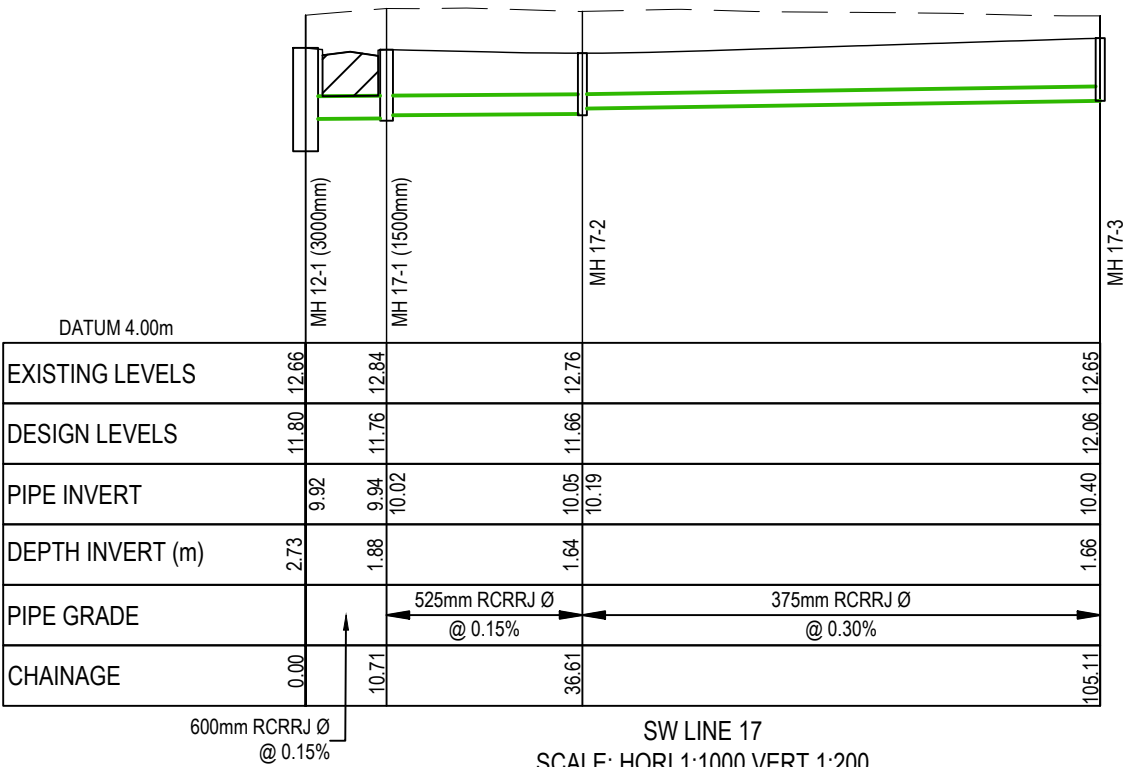
Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C434	Rev	H

BUN60399307
Approved Resource Consent Plan
01/09/2023

DATE: 4/1/23



SW LINE 16
SCALE: HORI 1:1000 VERT 1:200



SW LINE 17
SCALE: HORI 1:1000 VERT 1:200

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Legend

EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

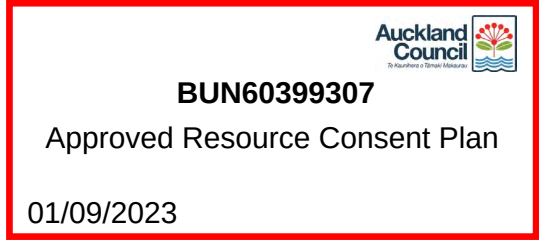
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



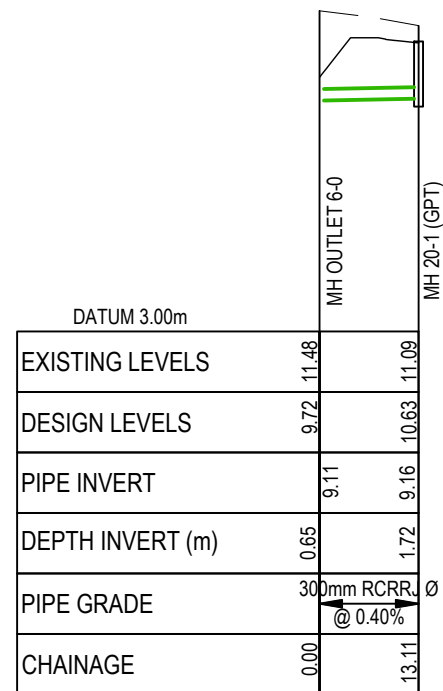
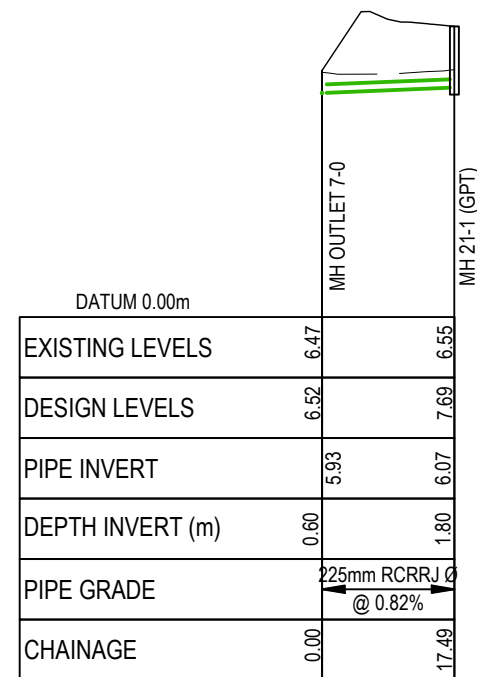
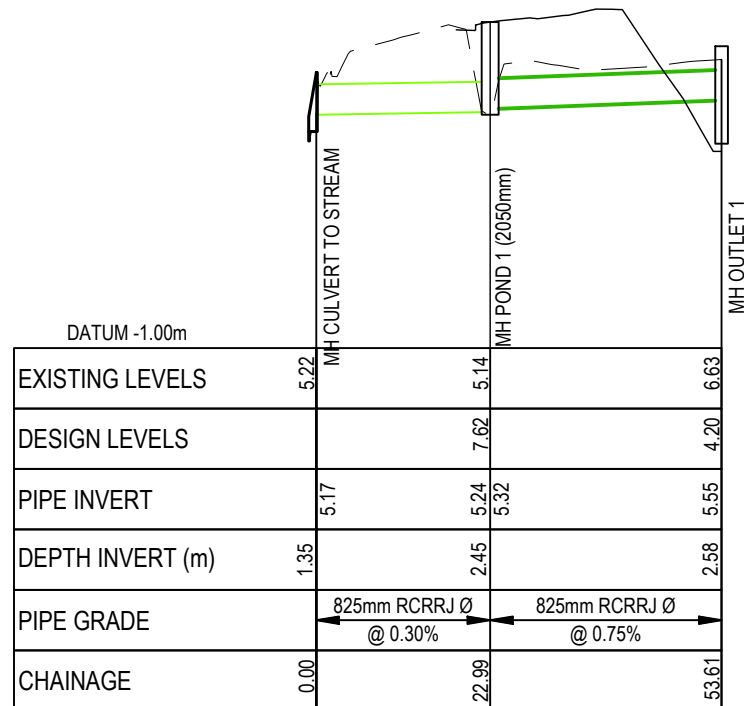
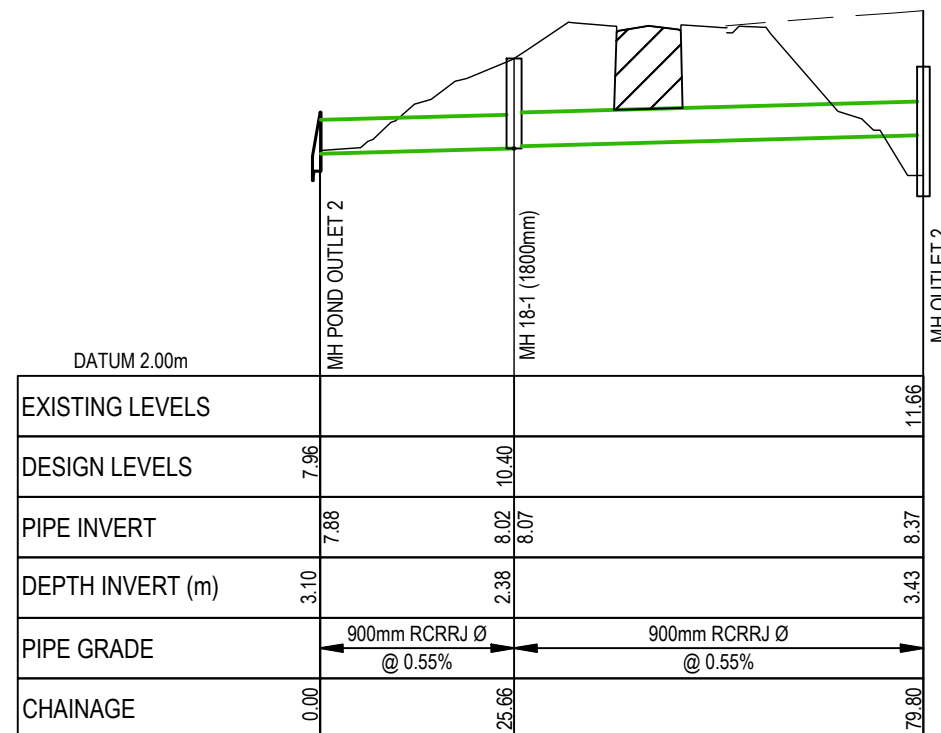
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C435	Rev	H



RESOURCE CONSENT

SW LINE 20
SCALE: HORI 1:1000 VERT 1:200SW LINE 21
SCALE: HORI 1:1000 VERT 1:200POND OUTLET 1
SCALE: HORI 1:1000 VERT 1:200POND OUTLET 2
SCALE: HORI 1:1000 VERT 1:200

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Legend

---	EX GROUND LEVEL
---	PROP FINISHED LEVEL
///	HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

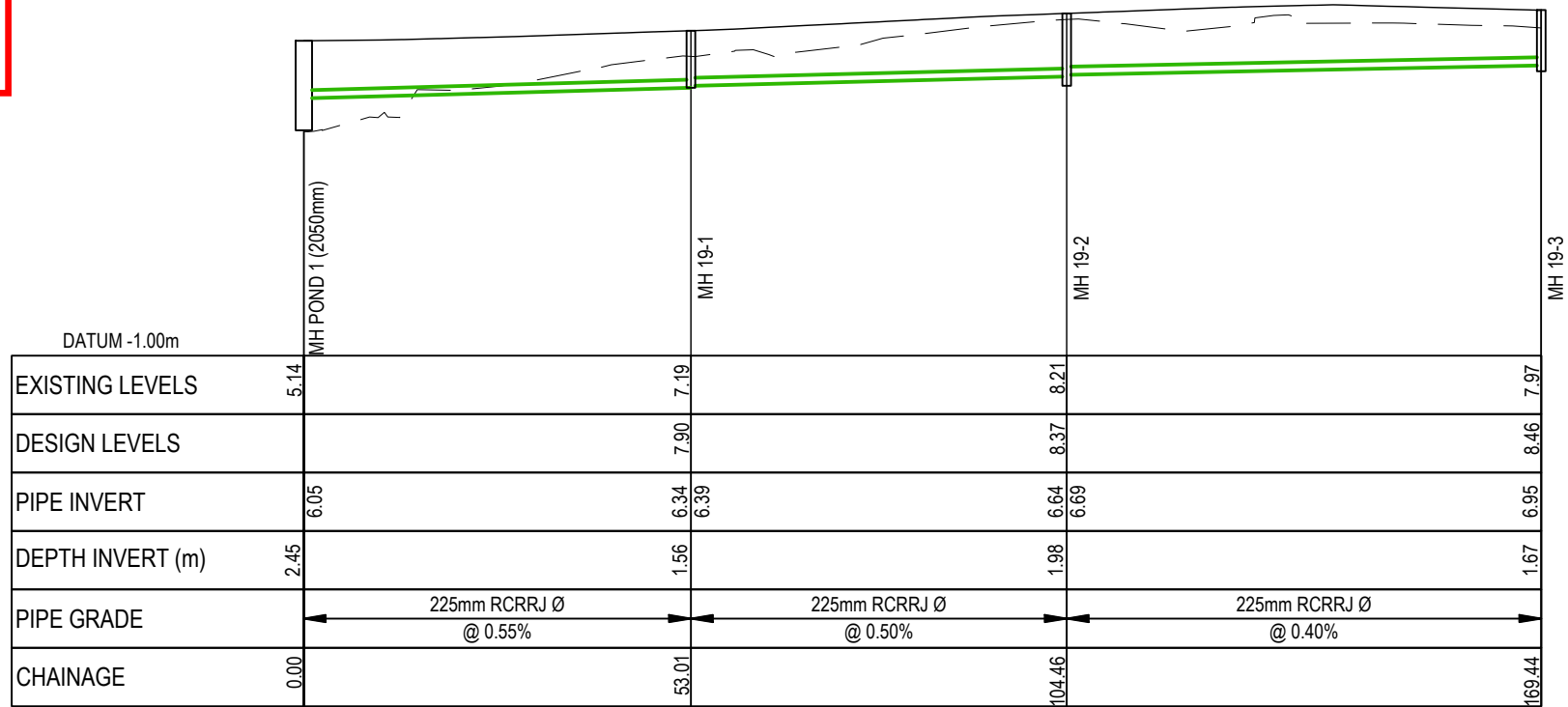
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Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C436	Rev	H



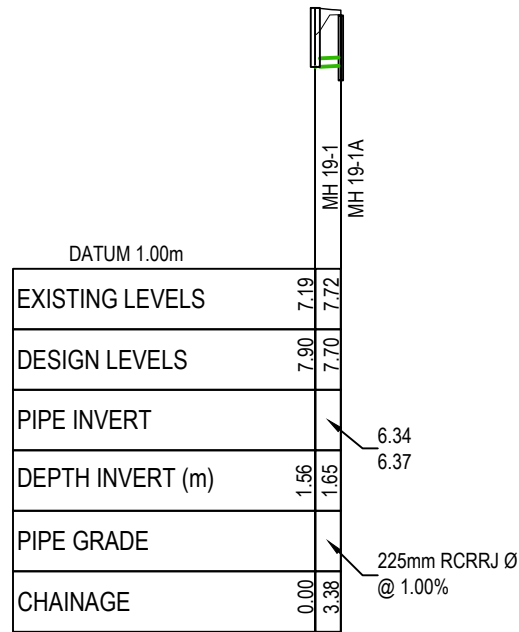
BUN60399307

Approved Resource Consent Plan

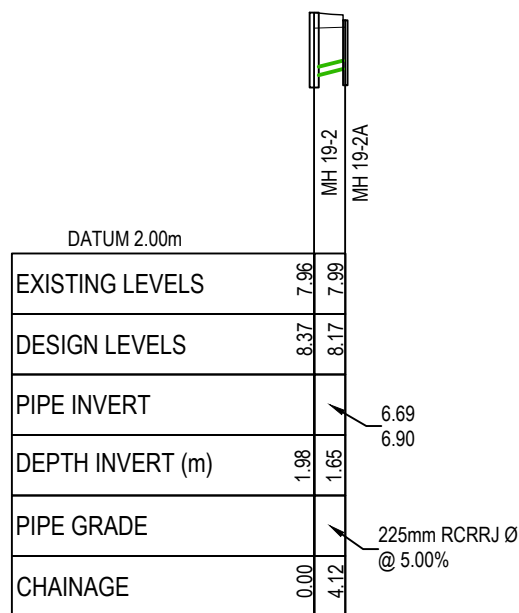
01/09/2023



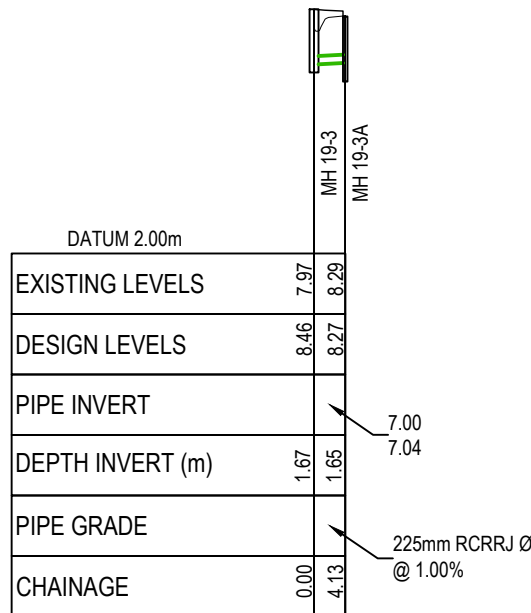
SW LINE 19
SCALE: HORI 1:1000 VERT 1:200



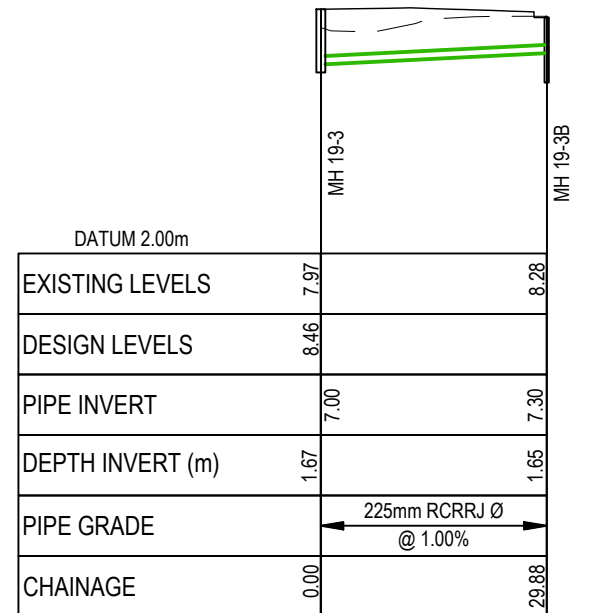
CP19-1A
SCALE: HORI 1:1000 VERT 1:200



CP19-2A
SCALE: HORI 1:1000 VERT 1:200



19-3A
SCALE: HORI 1:1000 VERT 1:200



CP 19-3B
SCALE: HORI 1:1000 VERT 1:200

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EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

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Rev	Description	By	Date
	By	Date	
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Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	

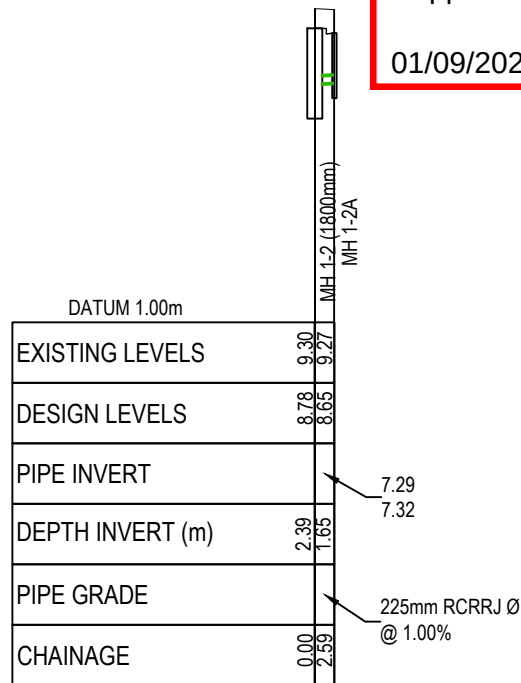


Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

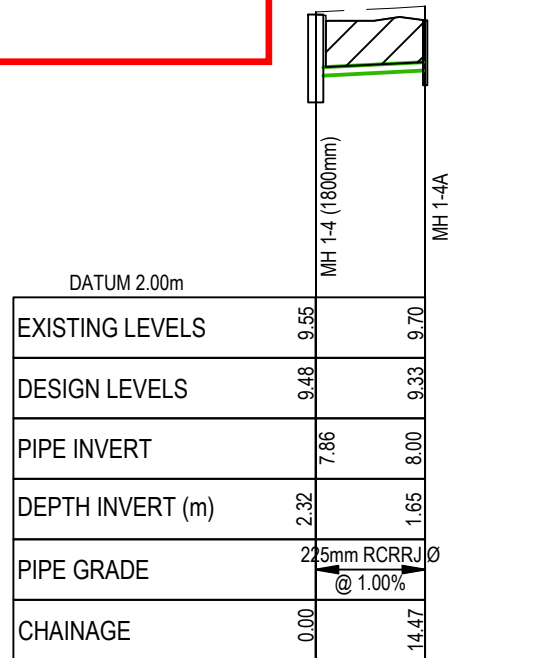
Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437	Rev	H

RESOURCE CONSENT



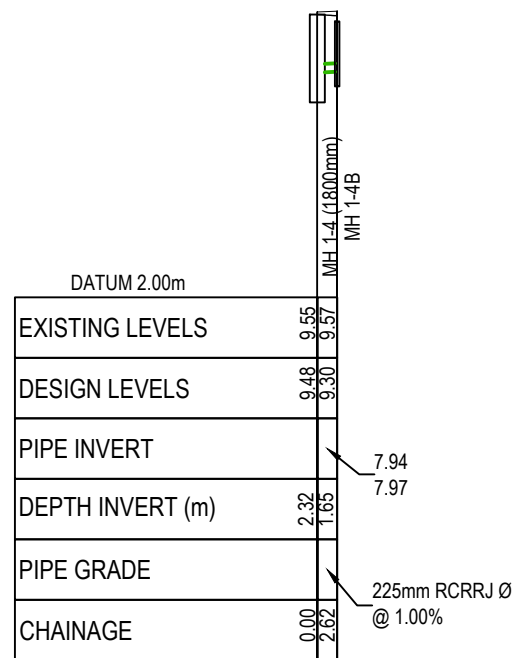
CP1-2A

SCALE: HORI 1:1000 VERT 1:200



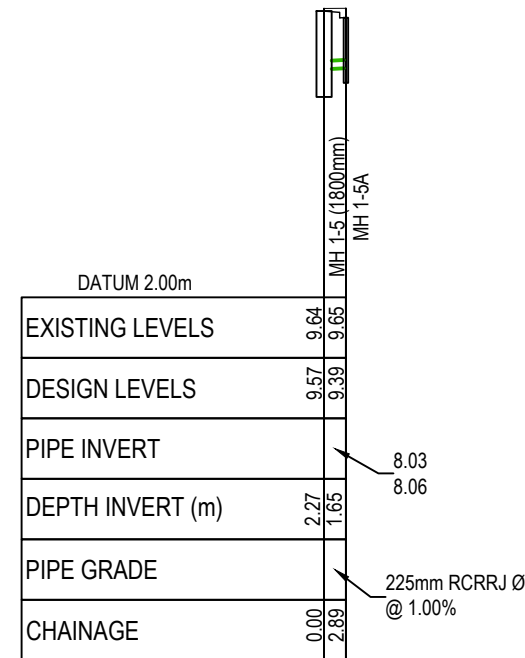
CP1-4A

SCALE: HORI 1:1000 VERT 1:200



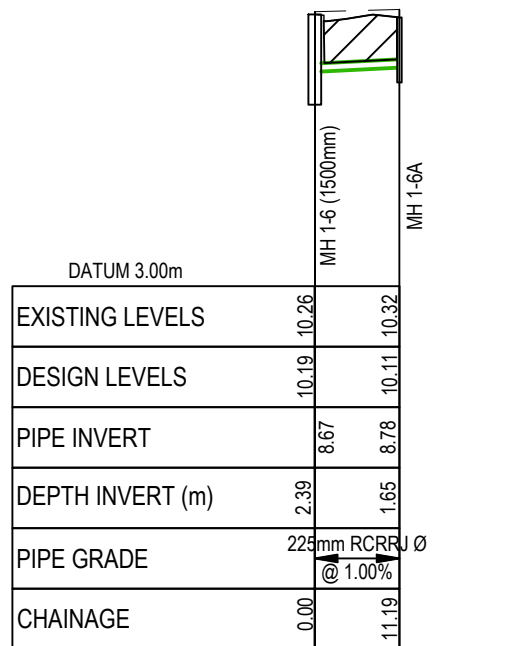
CP1-4B

SCALE: HORI 1:1000 VERT 1:200



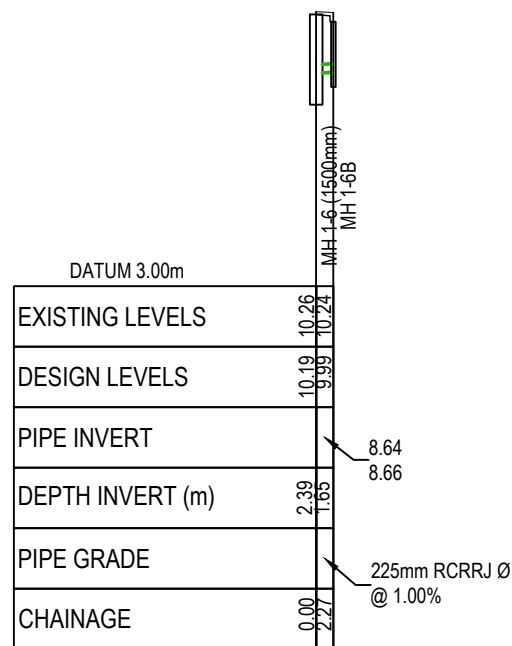
CP1-5A

SCALE: HORI 1:1000 VERT 1:200



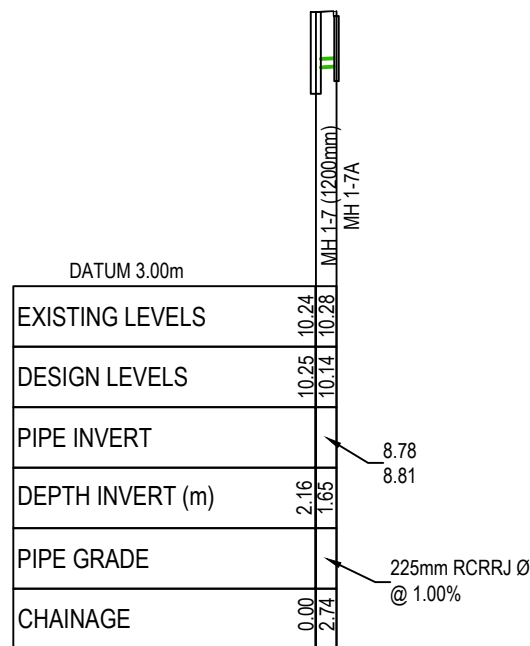
CP1-6A

SCALE: HORI 1:1000 VERT 1:200



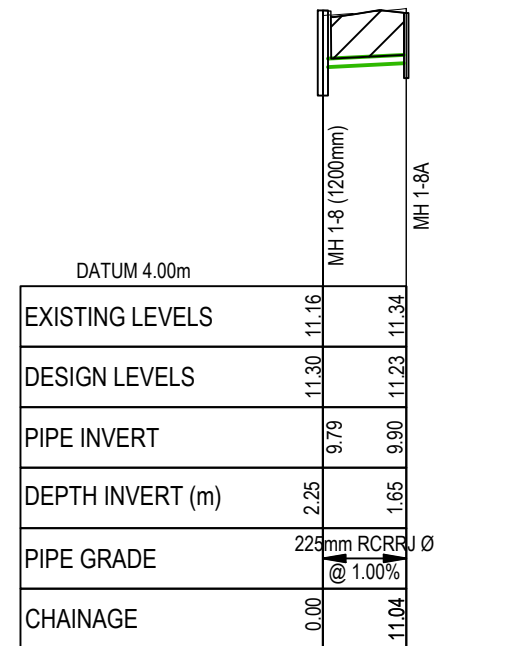
CP1-6B

SCALE: HORI 1:1000 VERT 1:200



CP1-7A

SCALE: HORI 1:1000 VERT 1:200



CP1-8A

SCALE: HORI 1:1000 VERT 1:200

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Legend

---	EX GROUND LEVEL
---	PROP FINISHED LEVEL
---	HARDFILL BACKFILL

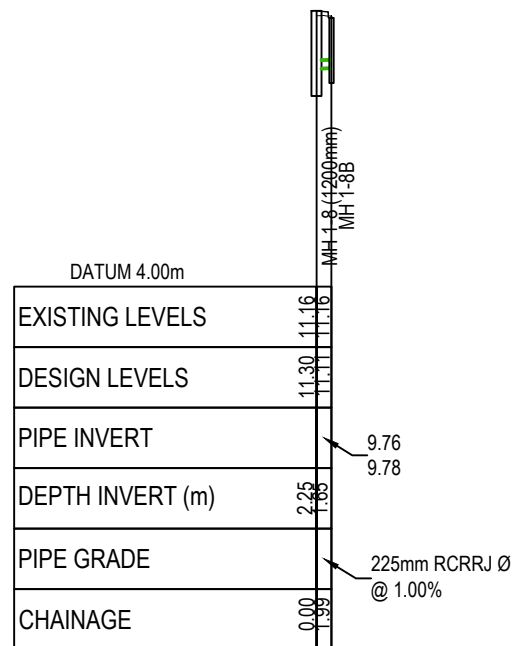
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



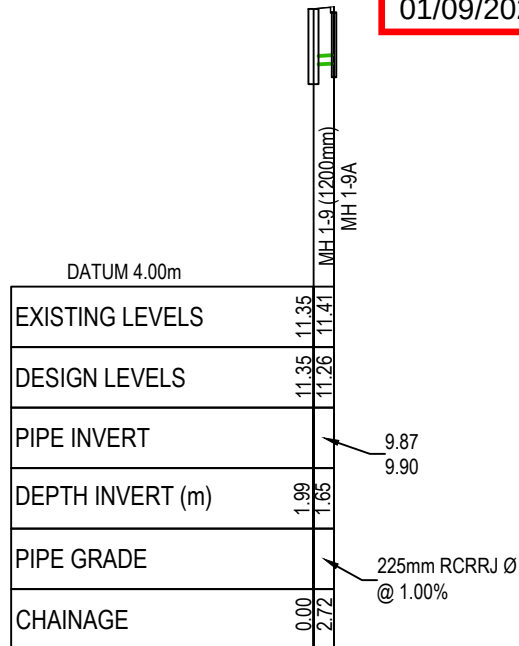
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

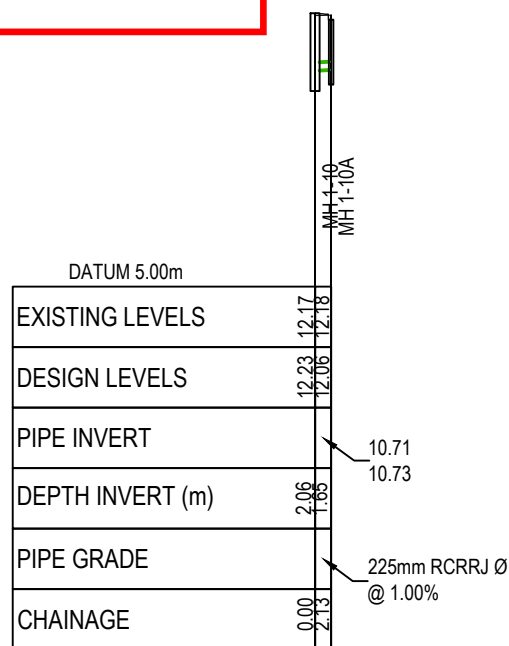
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Drawing no.	C437A	Rev	H



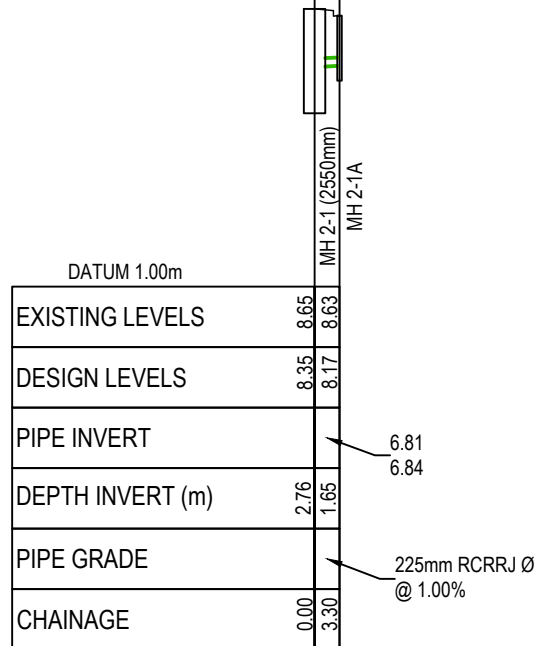
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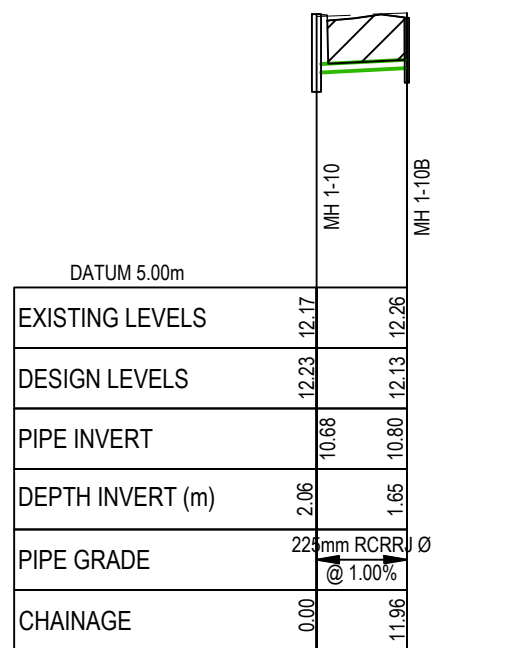
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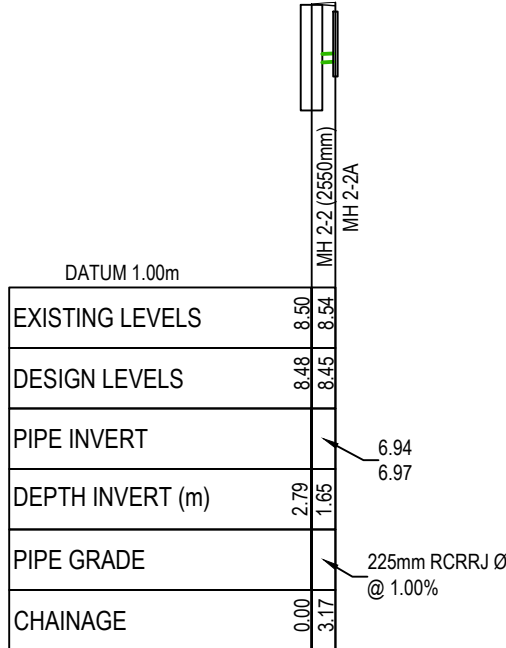
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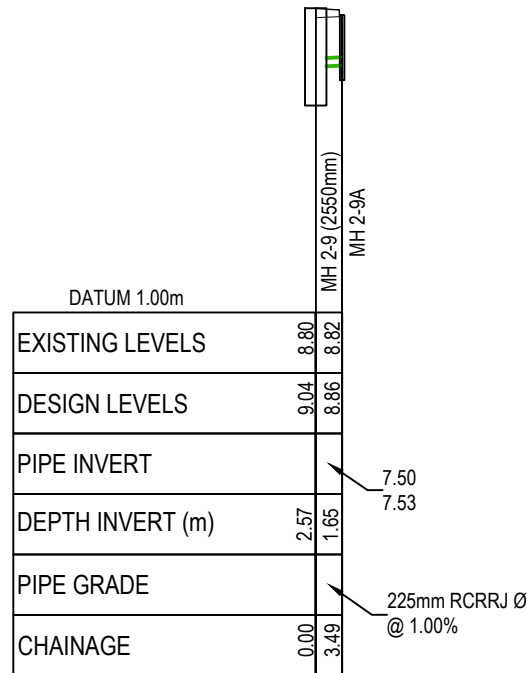
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SCALE: HORI 1:1000 VERT 1:200



SCALE: HORI 1:1000 VERT 1:200



SCALE: HORI 1:1000 VERT 1:200

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Legend

- EX GROUND LEVEL
PROP FINISHED LEVEL
HARDFILL BACKFILL

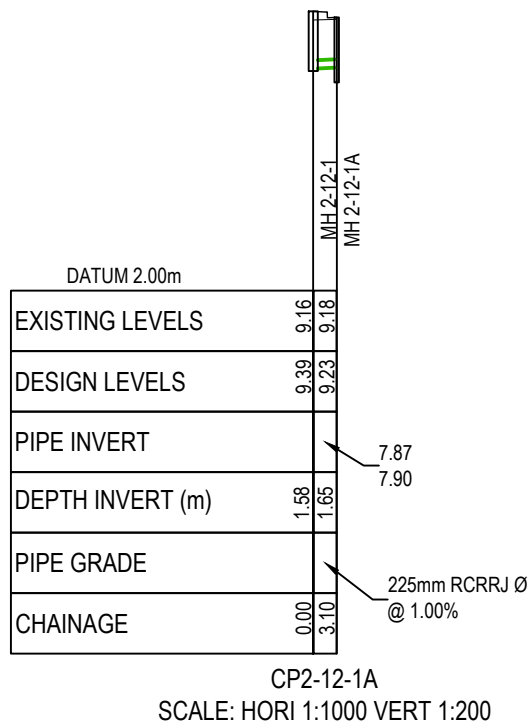
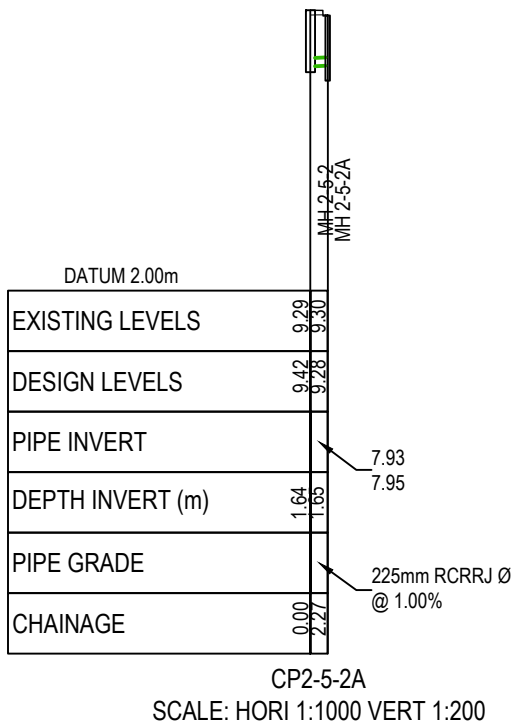
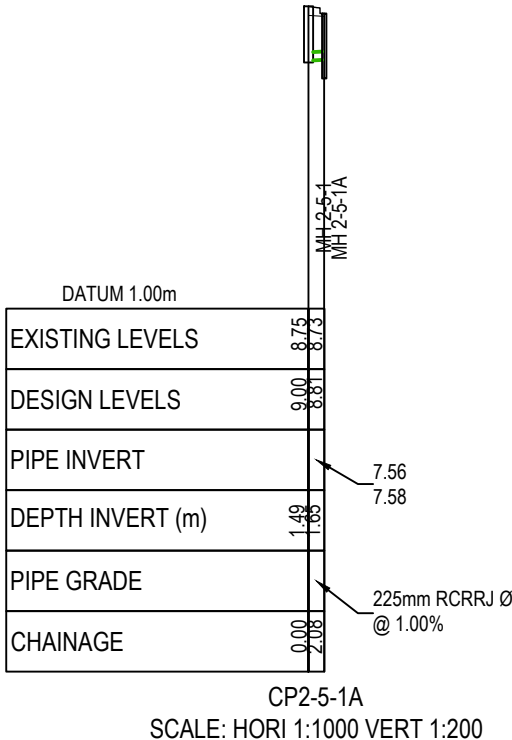
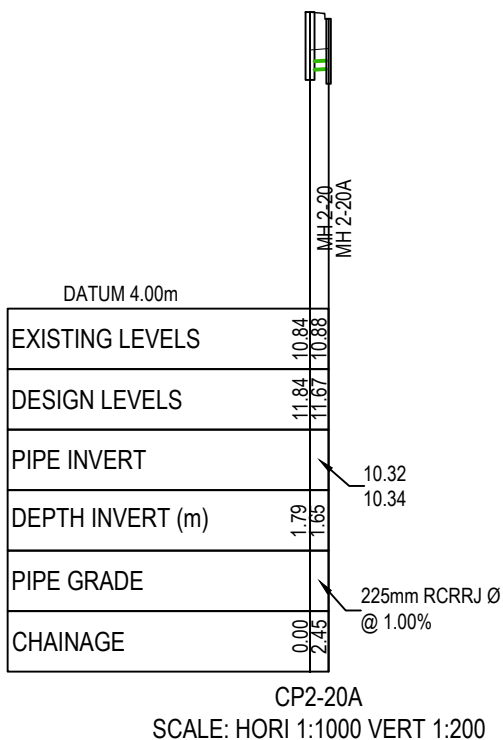
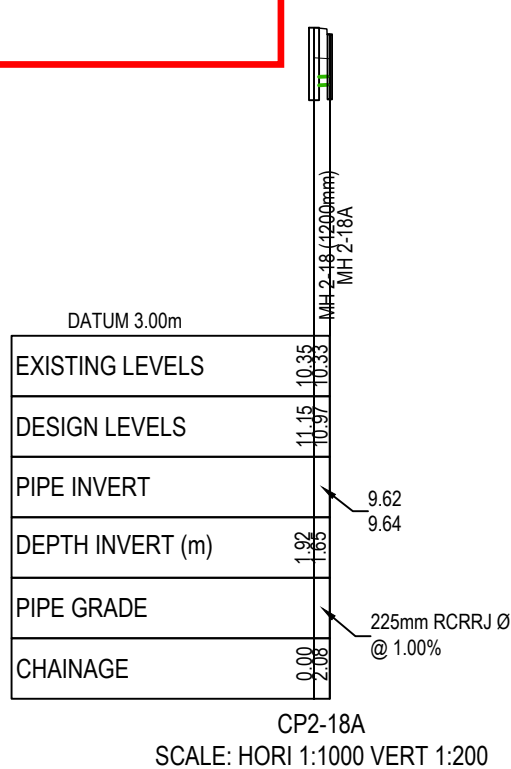
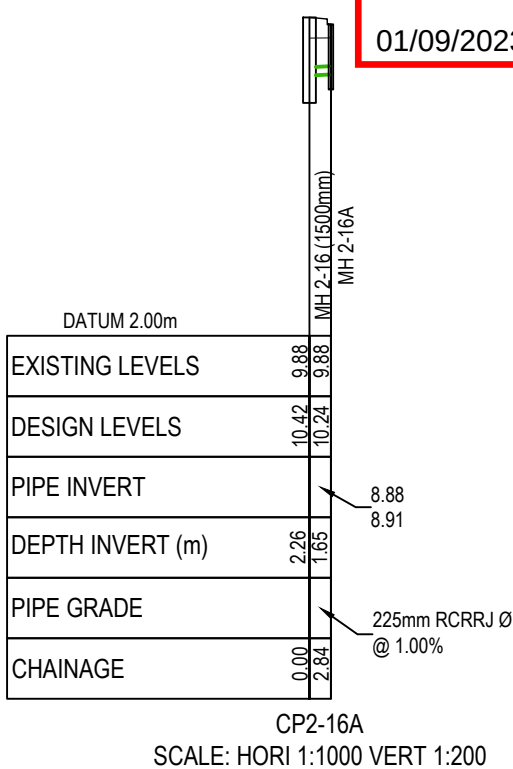
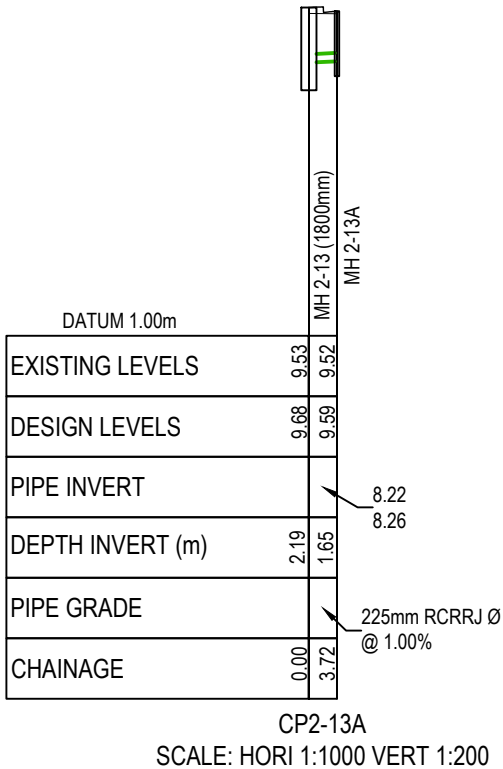
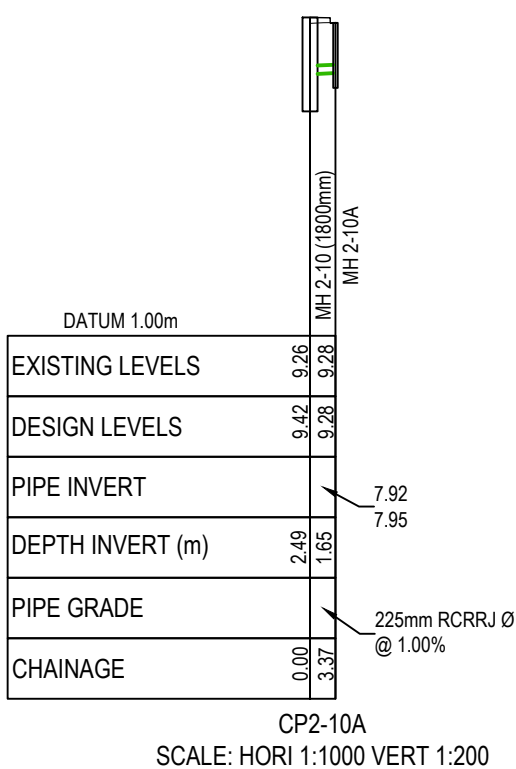
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437B	Rev	H



BUN60399307

Approved Resource Consent Plan

01/09/2023

Notes

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6. Approved hardfill is to be used in backfilling of all road crossings and vehicle crossings to council standards.
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8. All Manholes are to be 1050mmØ unless shown otherwise.
9. Catchpit leads with 800mm or less cover shall be protected with concrete capping.
10. All lines to be abandoned shall be sealed at each end. timing of all sealing to be coordinated with council staff.

Legend

- EX GROUND LEVEL
— PROP FINISHED LEVEL
/// HARDFILL BACKFILL

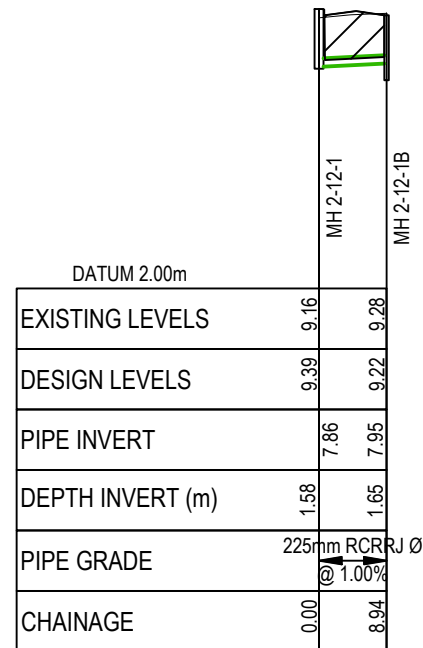
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



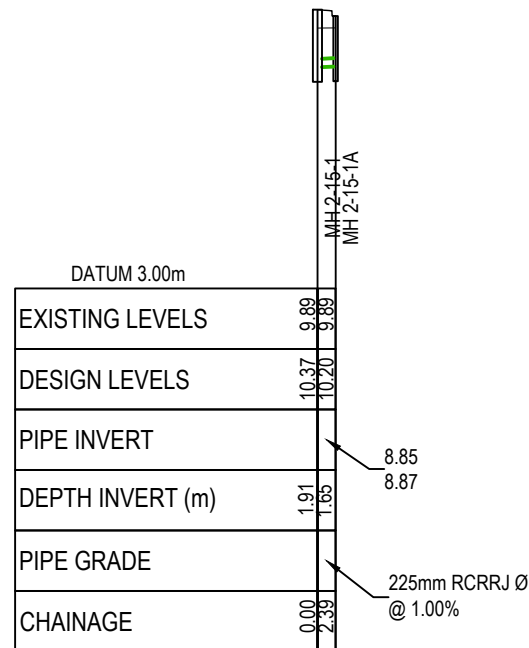
Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

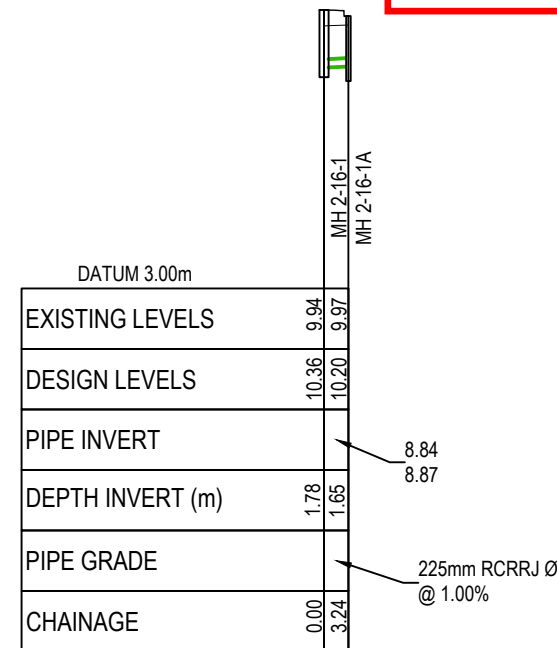
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Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437C	Rev	H



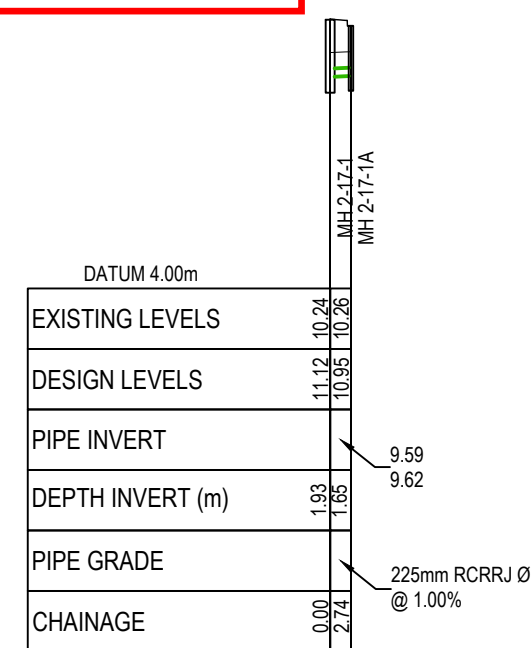
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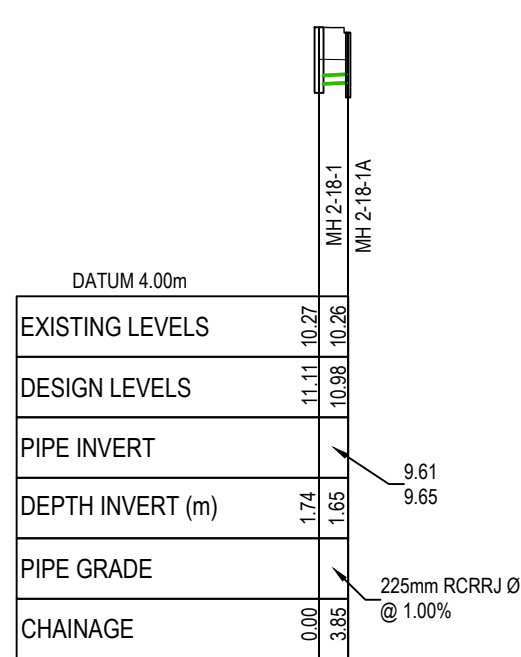
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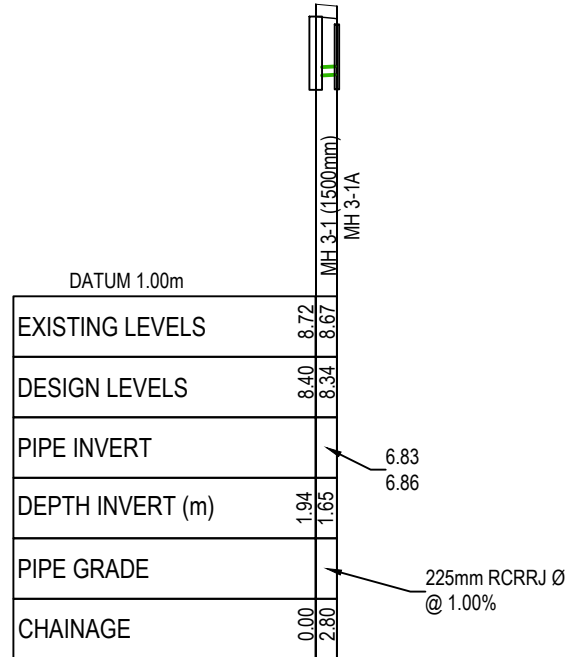
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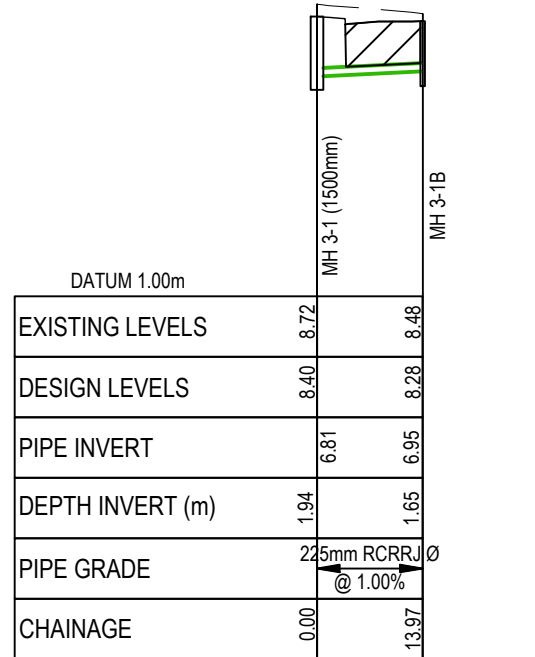
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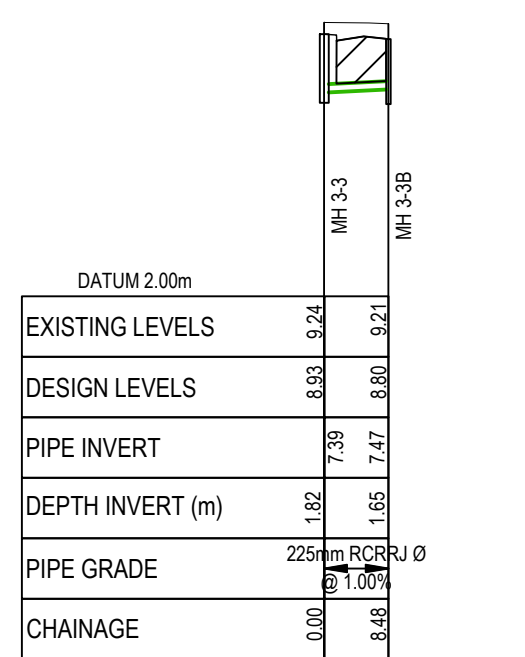
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CP3-1A
SCALE: HORI 1:1000 VERT 1:200



CP3-1B
SCALE: HORI 1:1000 VERT 1:200



CP3-3B
SCALE: HORI 1:1000 VERT 1:200

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Legend

- EX GROUND LEVEL
- PROP FINISHED LEVEL
- HARDFILL BACKFILL

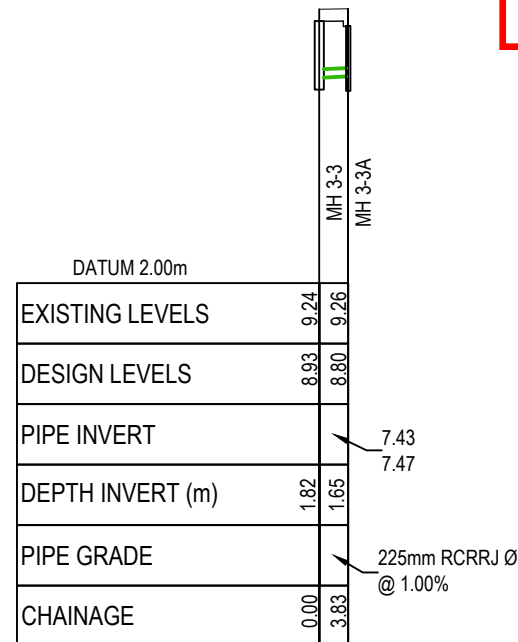
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By		Date
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

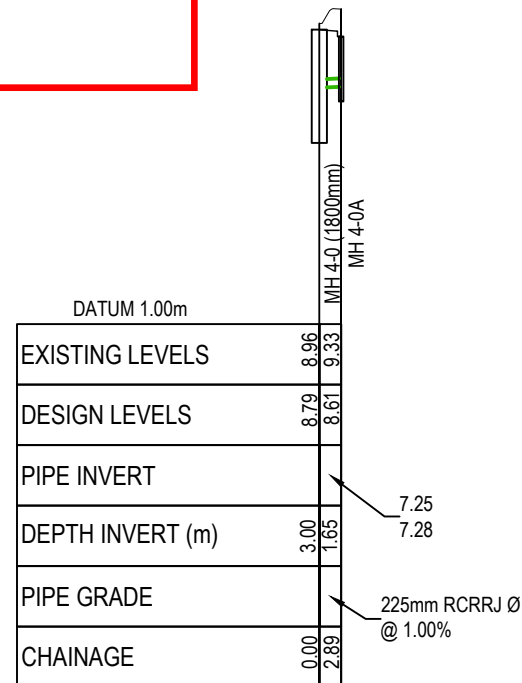
Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006
Scale	1:1000 @ A3
Cad file	C400- DRAINAGE.DWG
Drawing no.	C437D
Rev	H



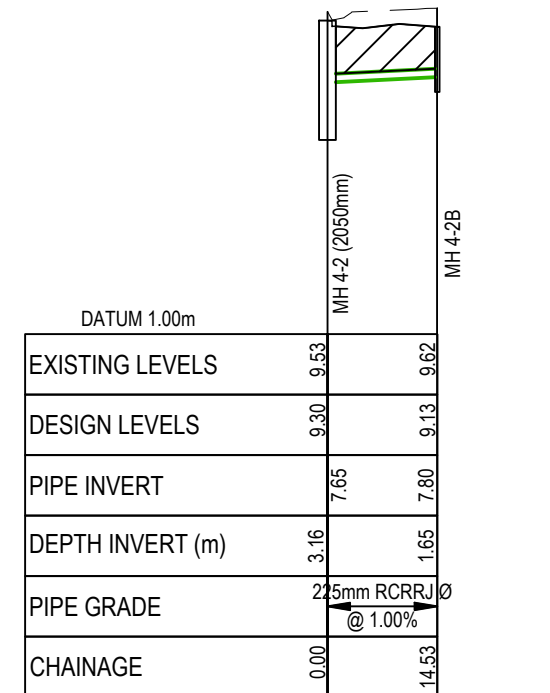
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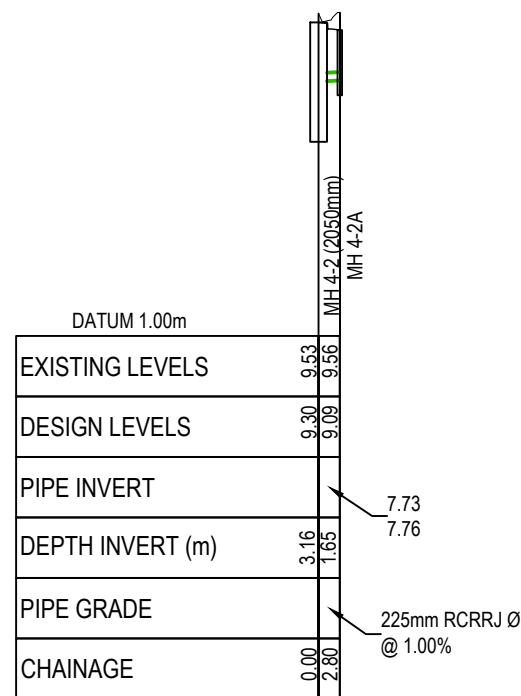
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SCALE: HORI 1:1000 VERT 1:200



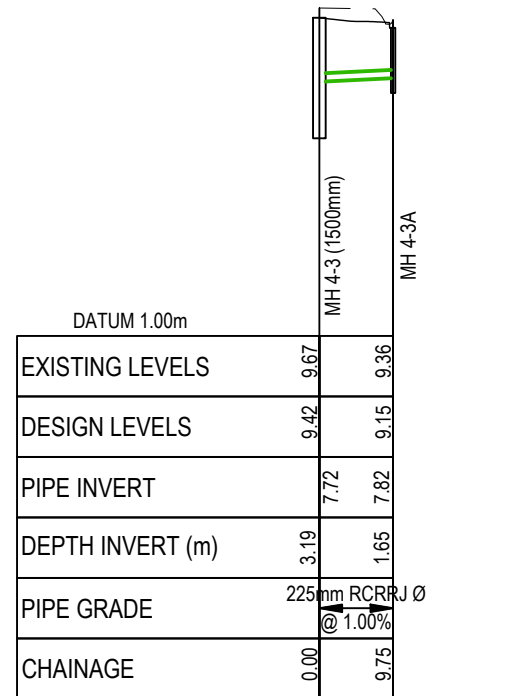
CP4-2B

SCALE: HORI 1:1000 VERT 1:200



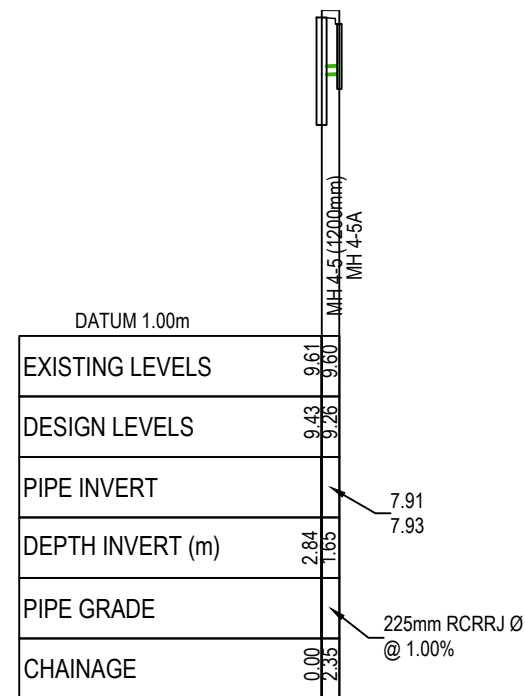
CP4-2A

SCALE: HORI 1:1000 VERT 1:200



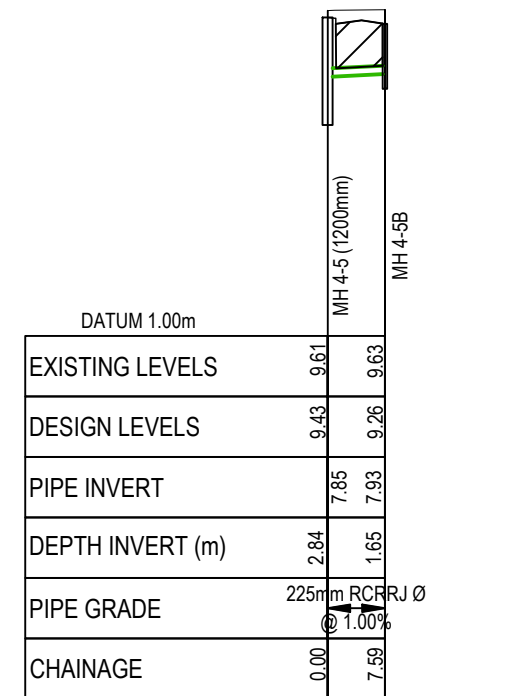
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SCALE: HORI 1:1000 VERT 1:200



CP4-5A

SCALE: HORI 1:1000 VERT 1:200



CP4-5B

SCALE: HORI 1:1000 VERT 1:200

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Legend

---	EX GROUND LEVEL
---	PROP FINISHED LEVEL
///	HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

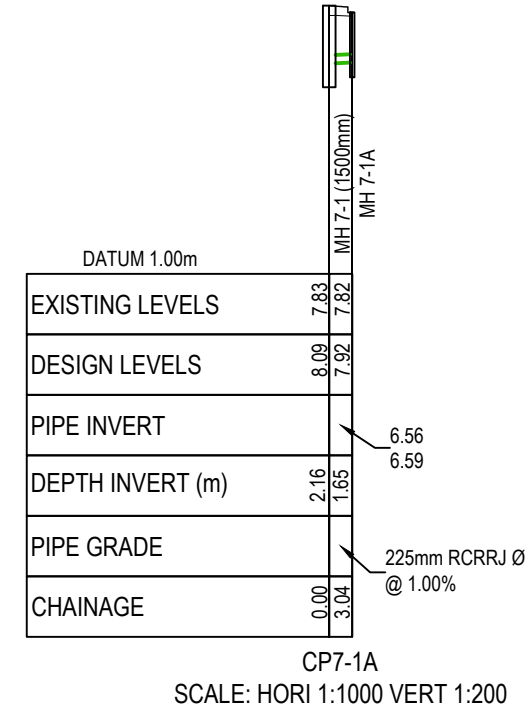
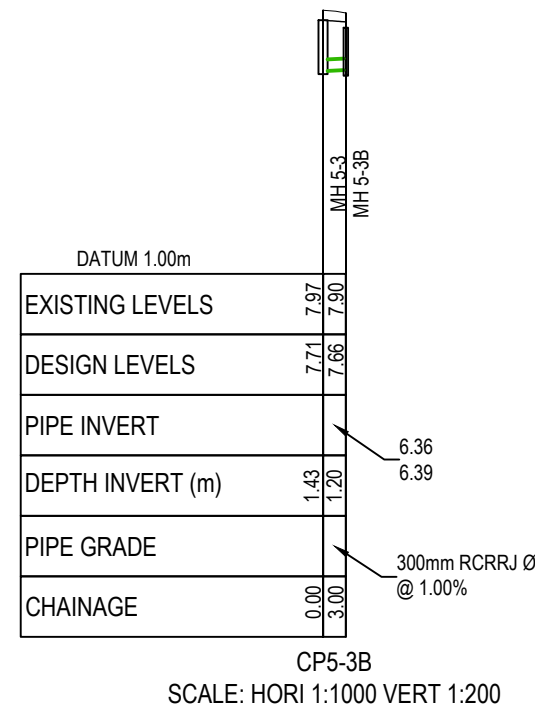
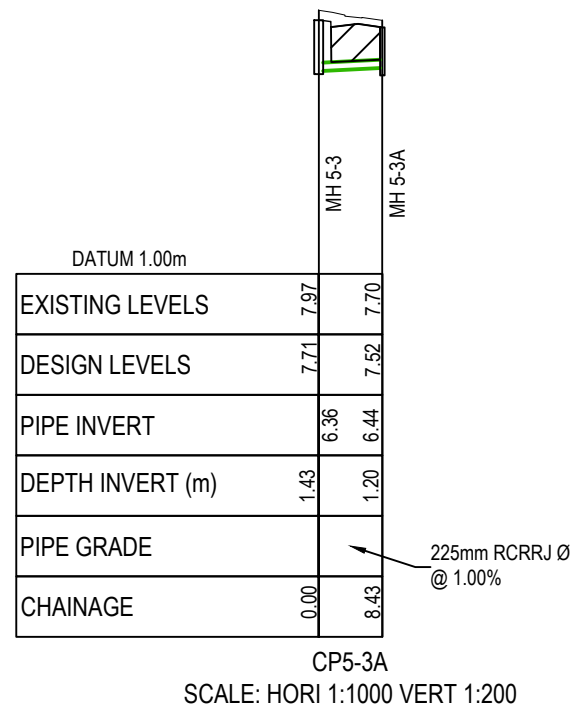
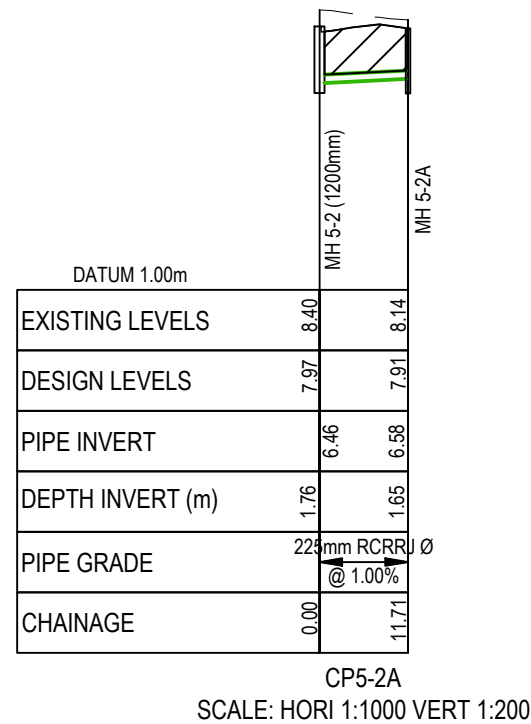
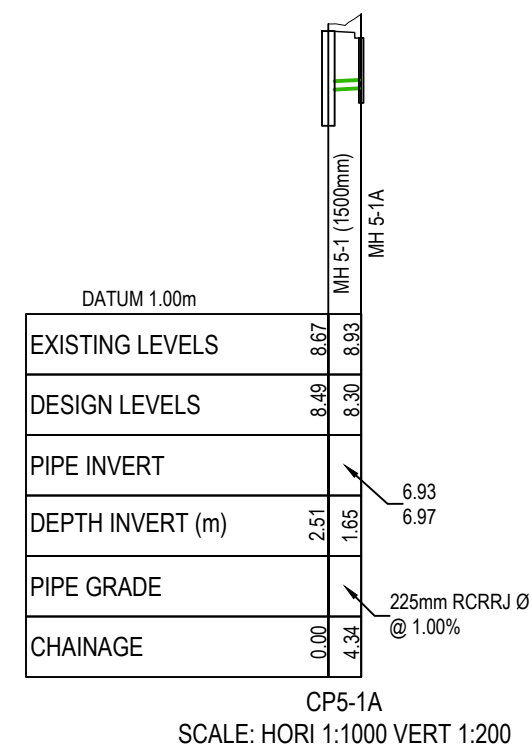
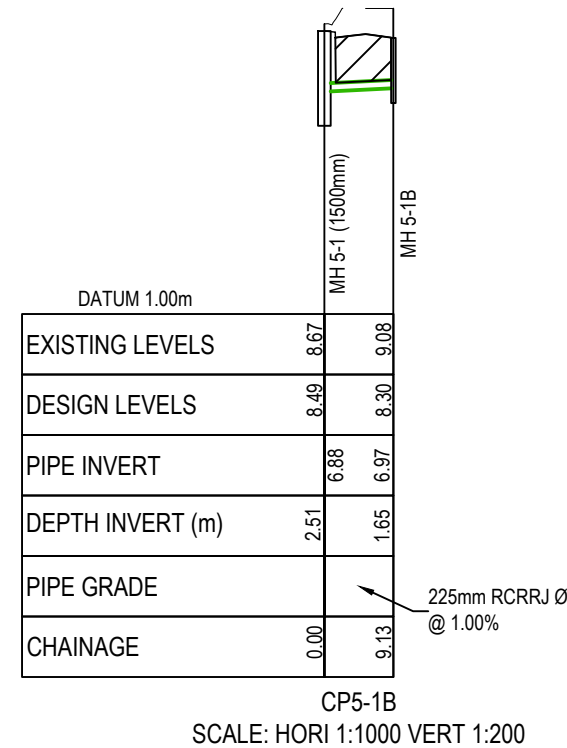
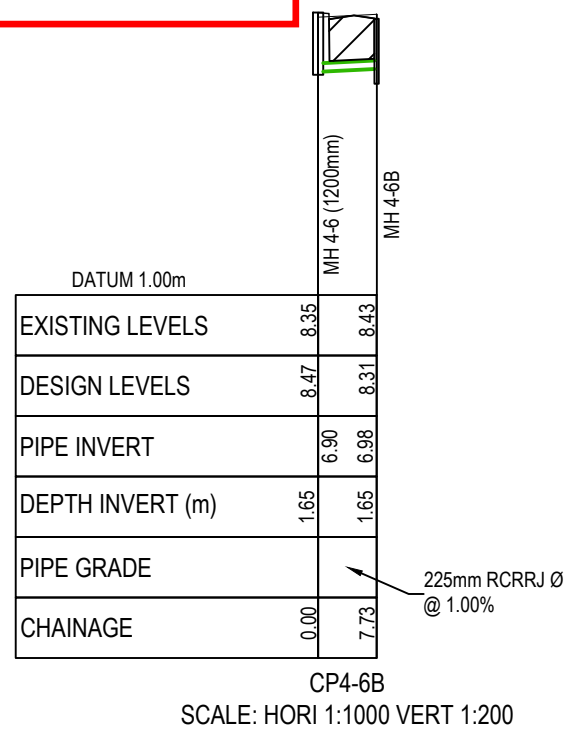
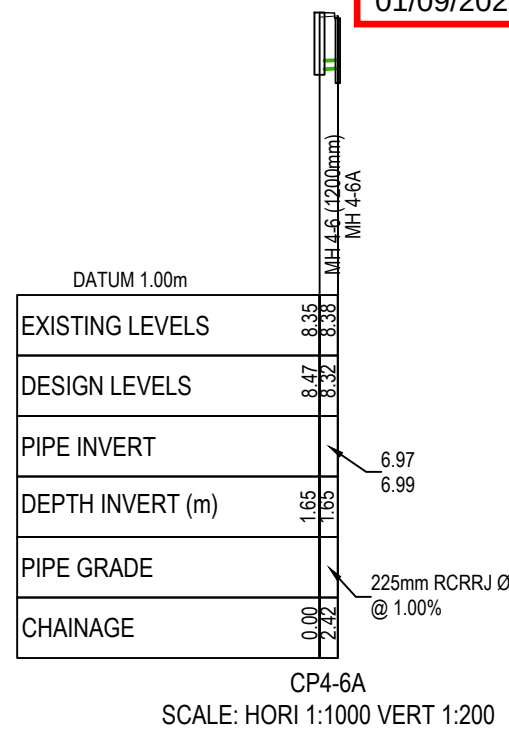
Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437E	Rev	H

BUN60399307

Approved Resource Consent Plan

01/09/2023



Notes

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Legend

---	EX GROUND LEVEL
---	PROP FINISHED LEVEL
///	HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

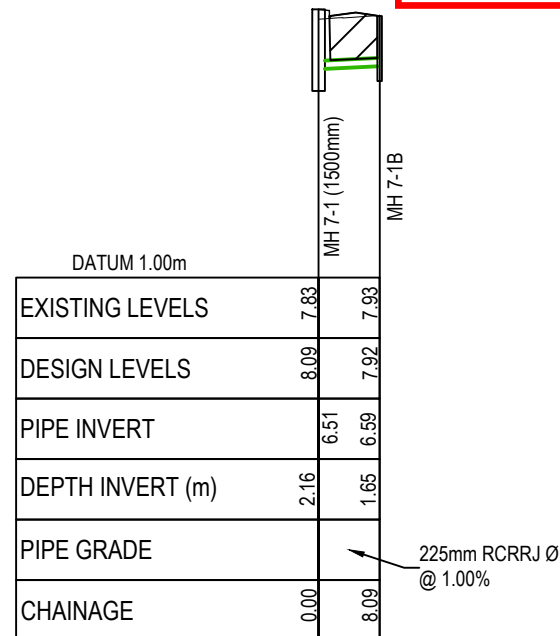
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Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437F	Rev	H

RESOURCE CONSENT

BUN60399307

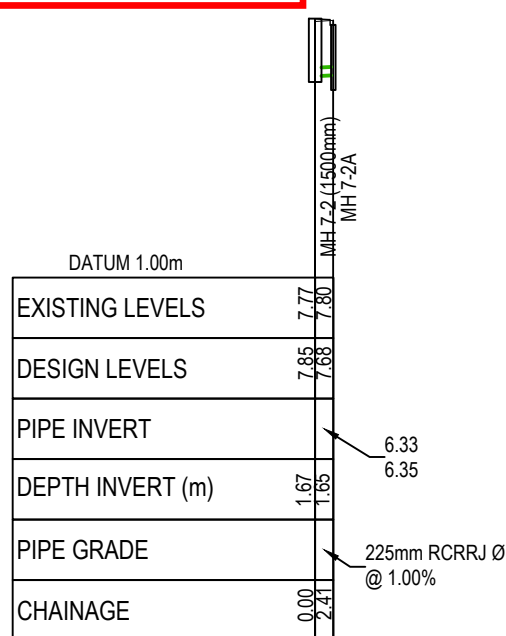
Approved Resource Consent Plan

01/09/2023



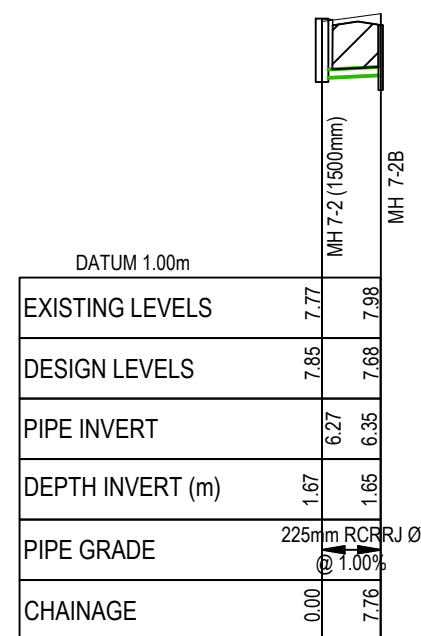
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SCALE: HORI 1:1000 VERT 1:200



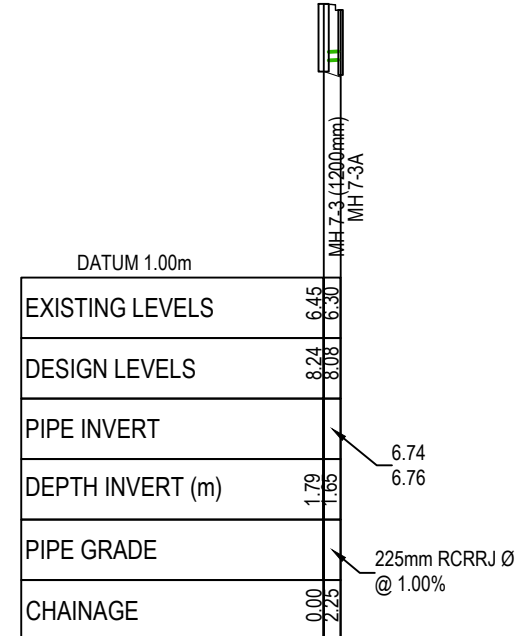
CP7-2A

SCALE: HORI 1:1000 VERT 1:200



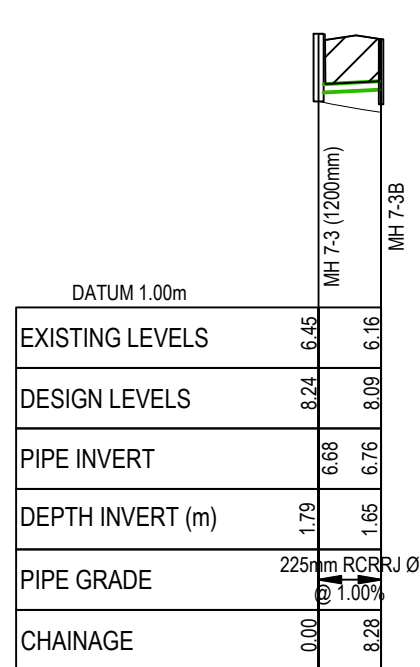
CP7-2B

SCALE: HORI 1:1000 VERT 1:200



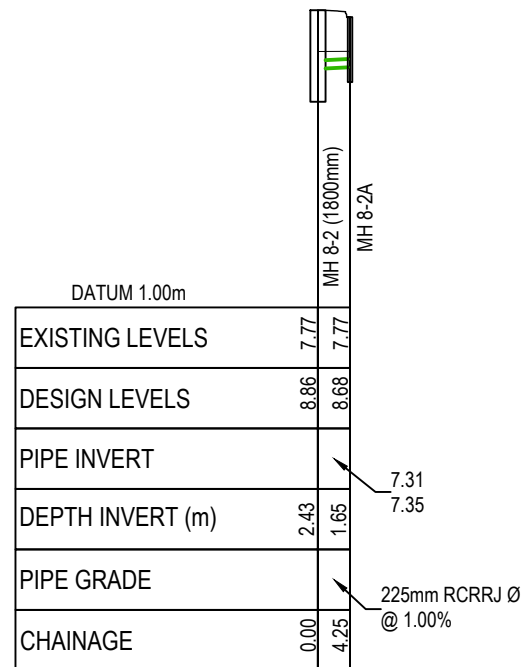
CP7-3A

SCALE: HORI 1:1000 VERT 1:200



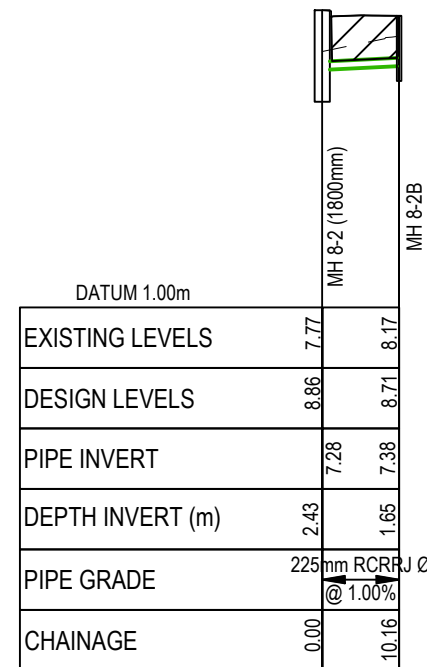
CP7-3B

SCALE: HORI 1:1000 VERT 1:200



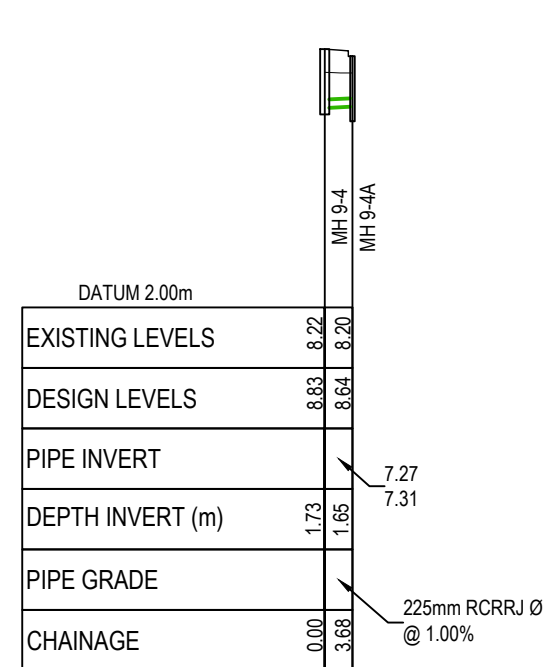
CP8-2A

SCALE: HORI 1:1000 VERT 1:200



CP8-2B

SCALE: HORI 1:1000 VERT 1:200



CP9-4A

SCALE: HORI 1:1000 VERT 1:200

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Legend

---	EX GROUND LEVEL
---	PROP FINISHED LEVEL
///	HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	

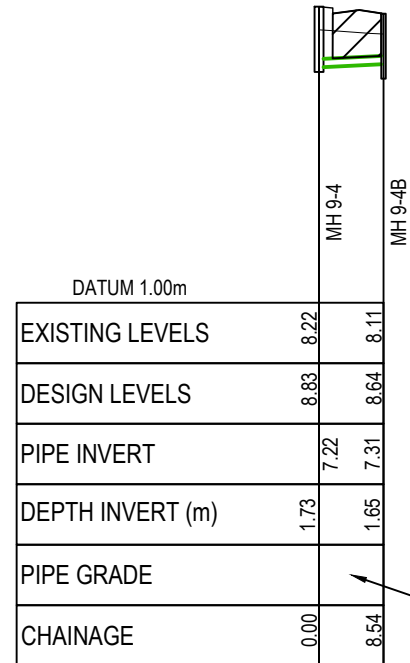


Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

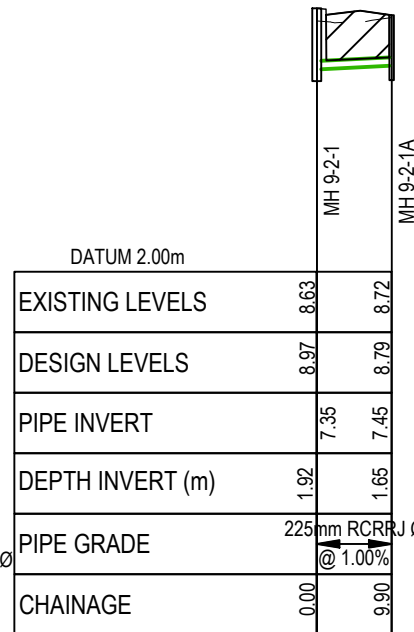
Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437G	Rev	H

RESOURCE CONSENT



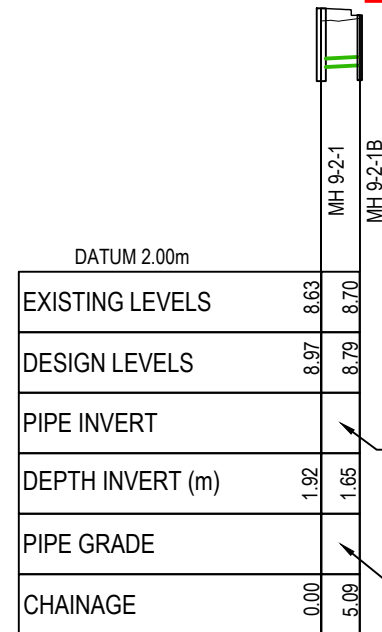
CP9-4B

SCALE: HORI 1:1000 VERT 1:200



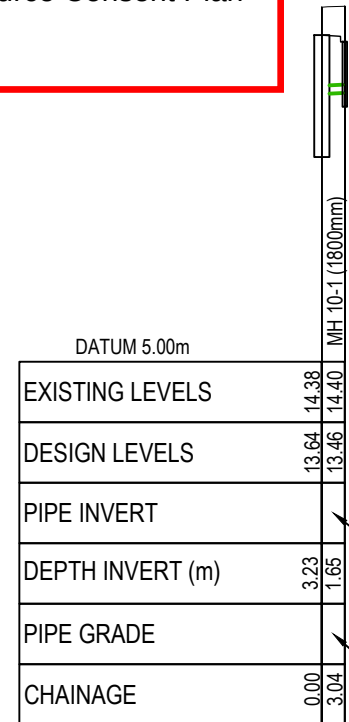
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SCALE: HORI 1:1000 VERT 1:200



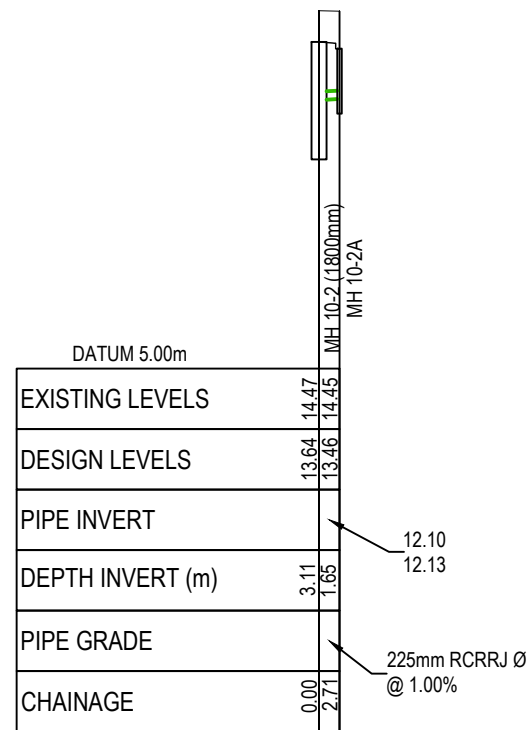
CP9-2-1B

SCALE: HORI 1:1000 VERT 1:200



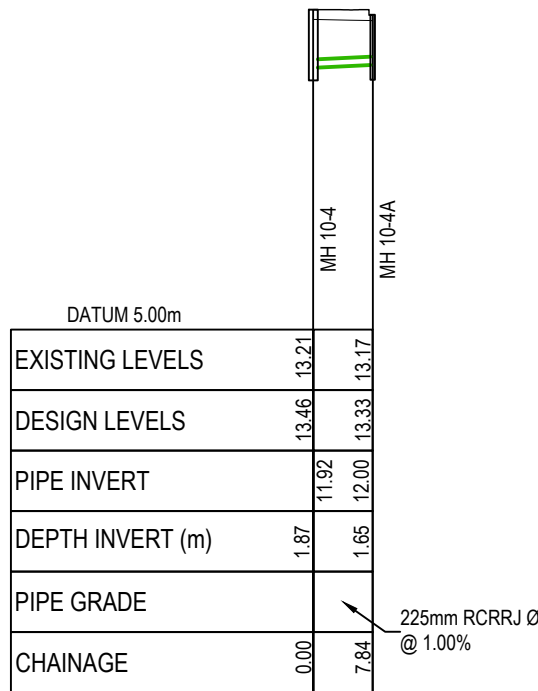
CP10-1A

SCALE: HORI 1:1000 VERT 1:200



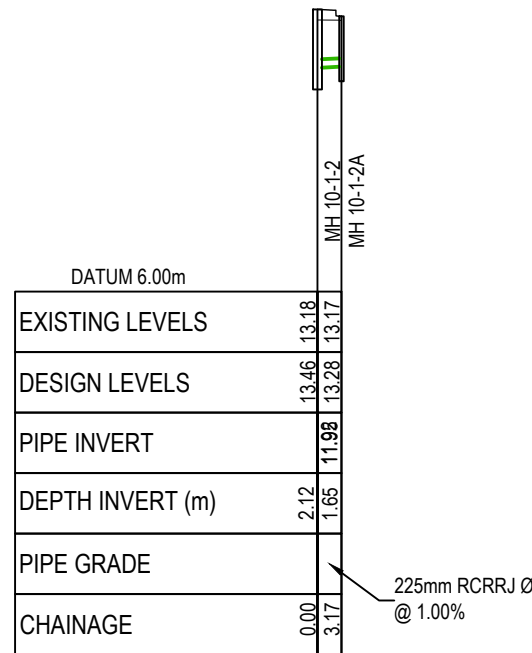
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SCALE: HORI 1:1000 VERT 1:200



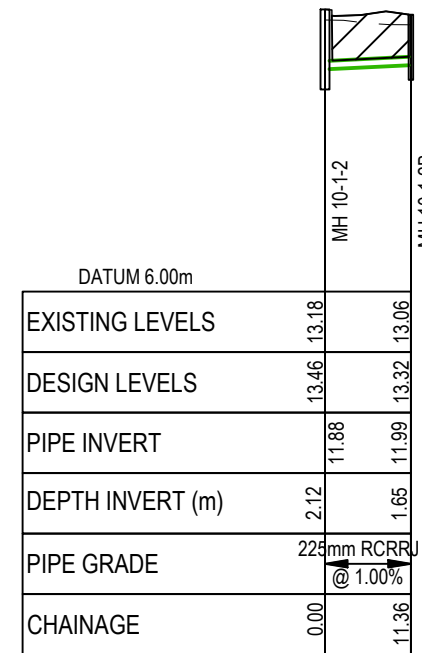
CP10-4A

SCALE: HORI 1:1000 VERT 1:200



CP10-1-2A

SCALE: HORI 1:1000 VERT 1:200



CP10-1-2B

SCALE: HORI 1:1000 VERT 1:200

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Legend

- EX GROUND LEVEL
- PROP FINISHED LEVEL
- HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

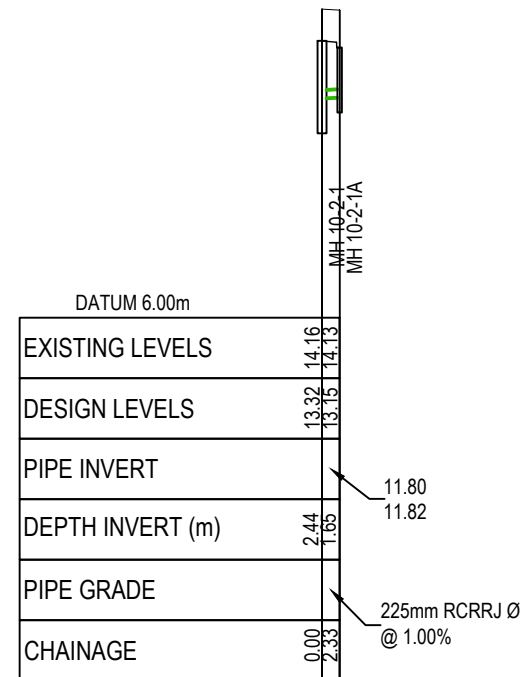
Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437H	Rev	H

BUN60399307

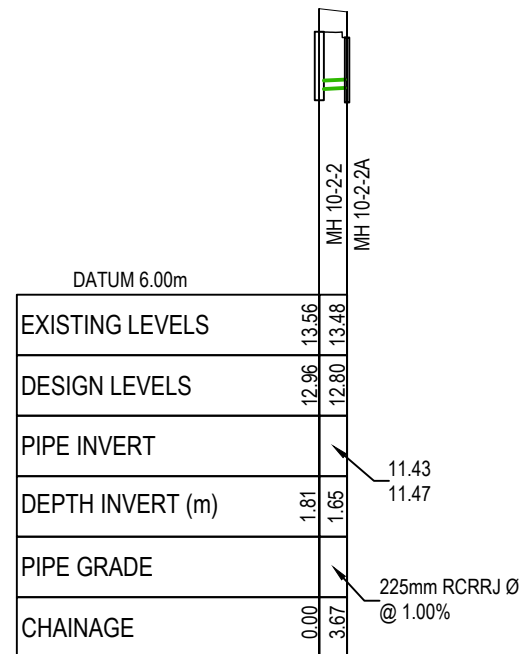
Approved Resource Consent Plan

01/09/2023



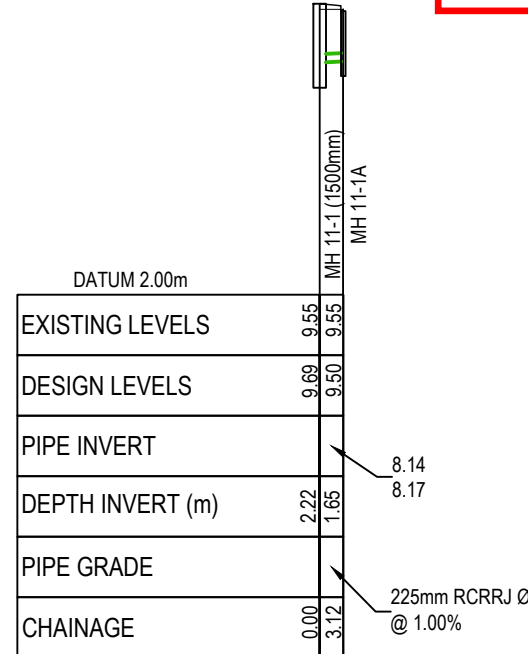
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SCALE: HORI 1:1000 VERT 1:200



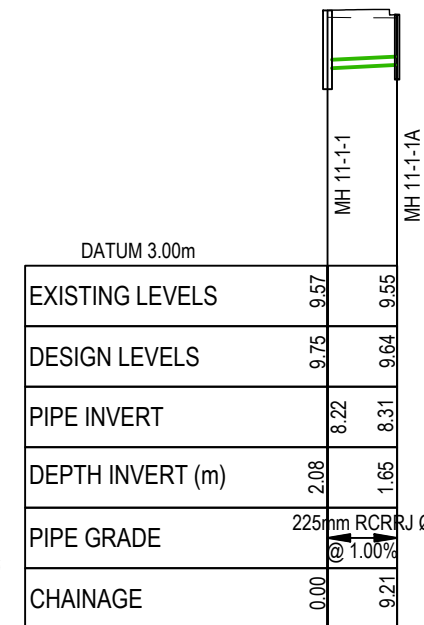
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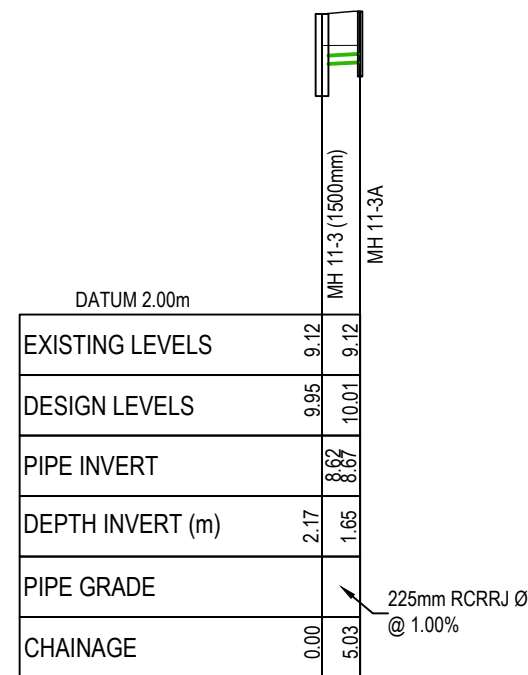
CP11-1A

SCALE: HORI 1:1000 VERT 1:200



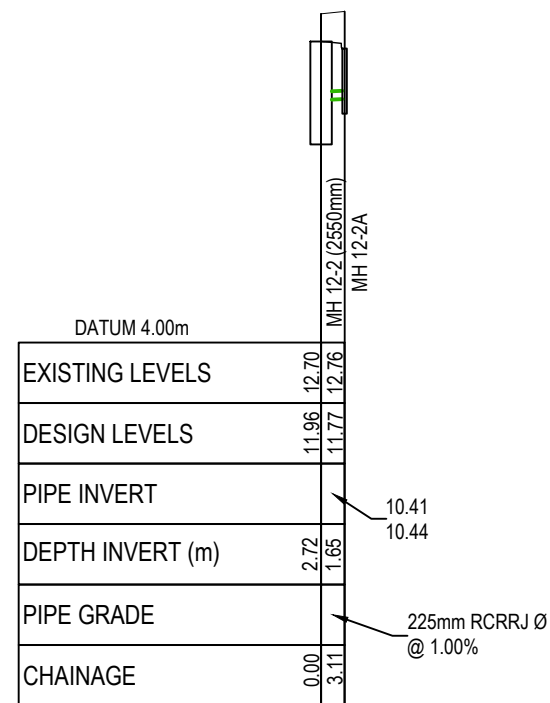
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SCALE: HORI 1:1000 VERT 1:200



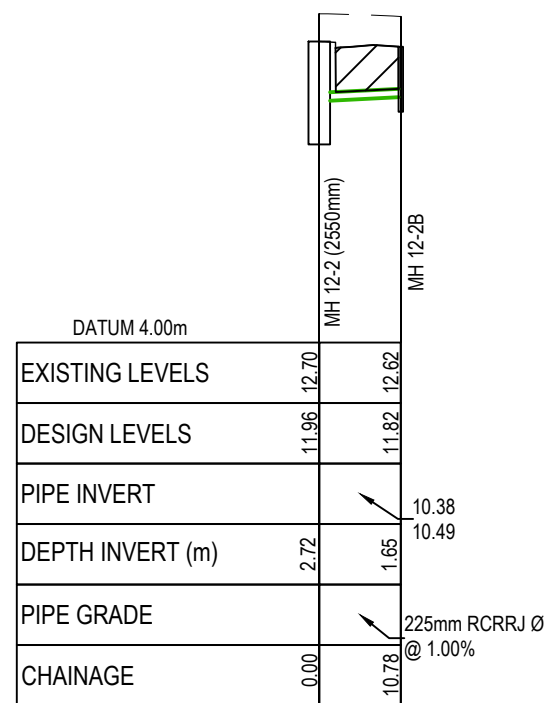
CP11-3A

SCALE: HORI 1:1000 VERT 1:200



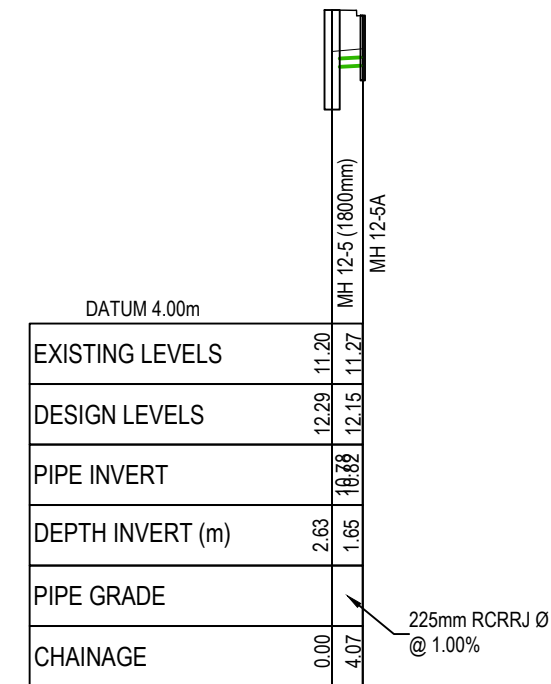
CP12-2A

SCALE: HORI 1:1000 VERT 1:200



CP12-2B

SCALE: HORI 1:1000 VERT 1:200



CP12-5A

SCALE: HORI 1:1000 VERT 1:200

Notes

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Legend

---	EX GROUND LEVEL
---	PROP FINISHED LEVEL
---	HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	

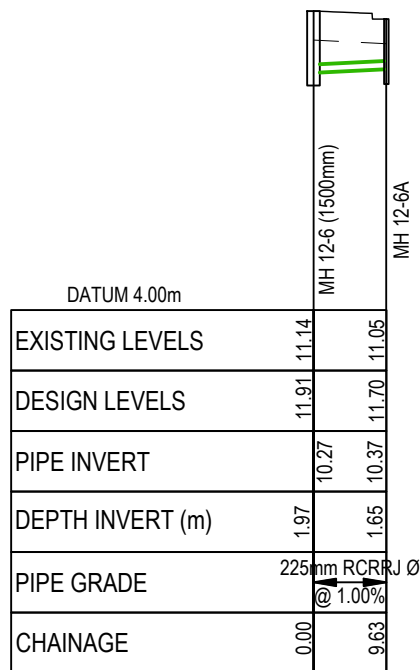


Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

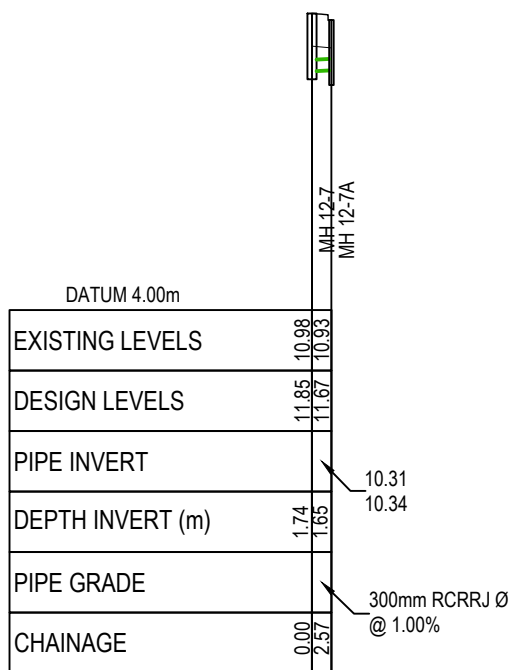
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Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C4371	Rev	H

RESOURCE CONSENT



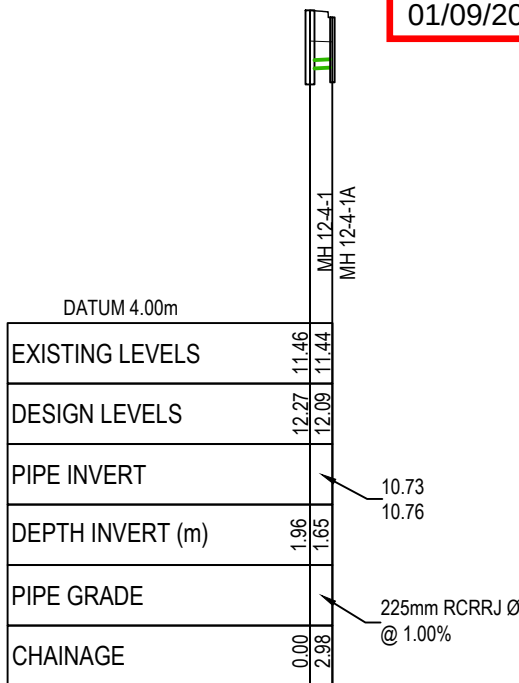
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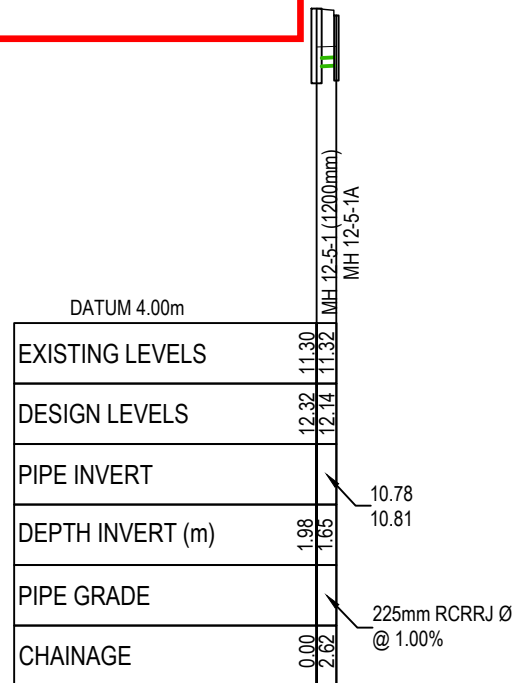
CP12-7A

SCALE: HORI 1:1000 VERT 1:200



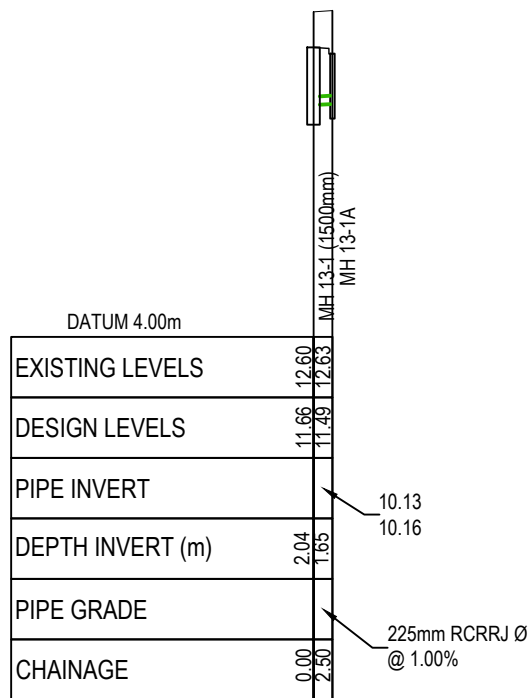
CP12-4-1A

SCALE: HORI 1:1000 VERT 1:200



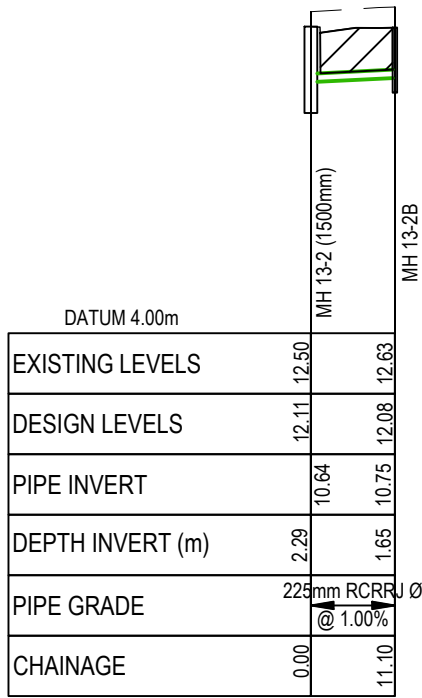
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SCALE: HORI 1:1000 VERT 1:200



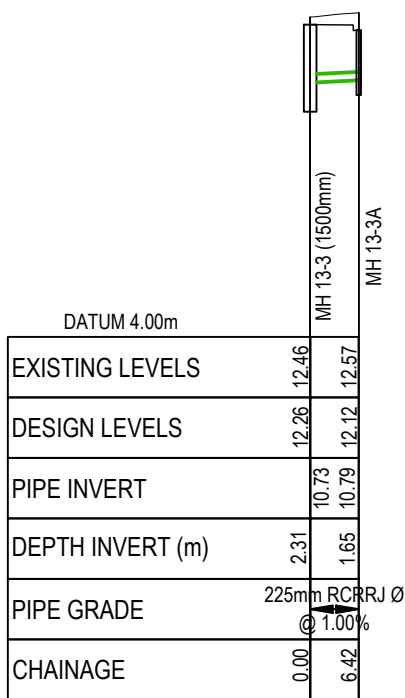
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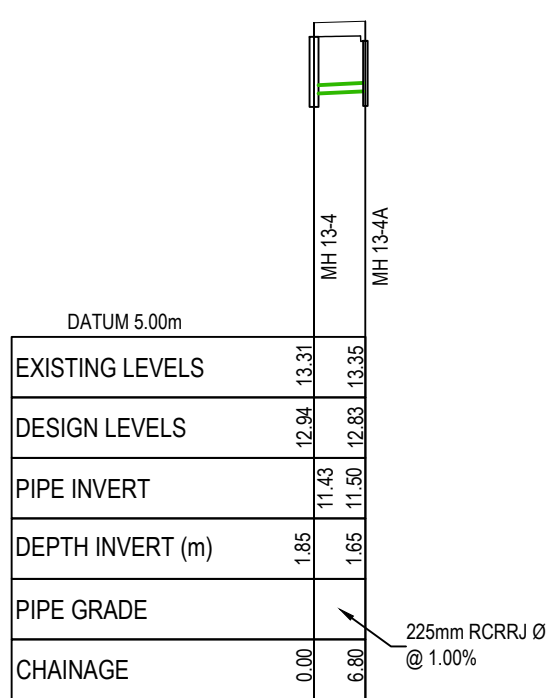
CP13-2B

SCALE: HORI 1:1000 VERT 1:200



CP13-3A

SCALE: HORI 1:1000 VERT 1:200



CP13-4A

SCALE: HORI 1:1000 VERT 1:200

Notes

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Legend

- EX GROUND LEVEL
- PROP FINISHED LEVEL
- HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	

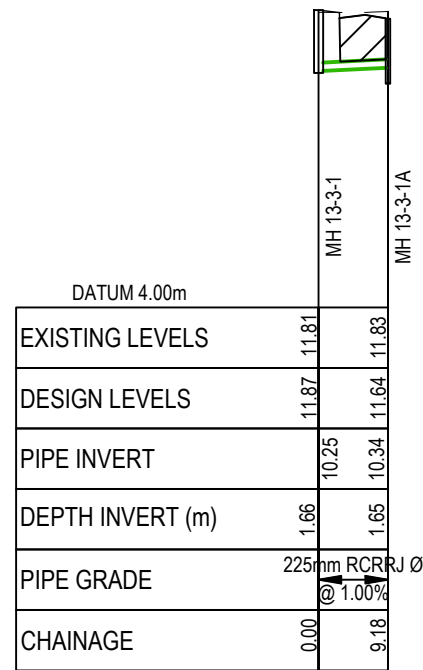


Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

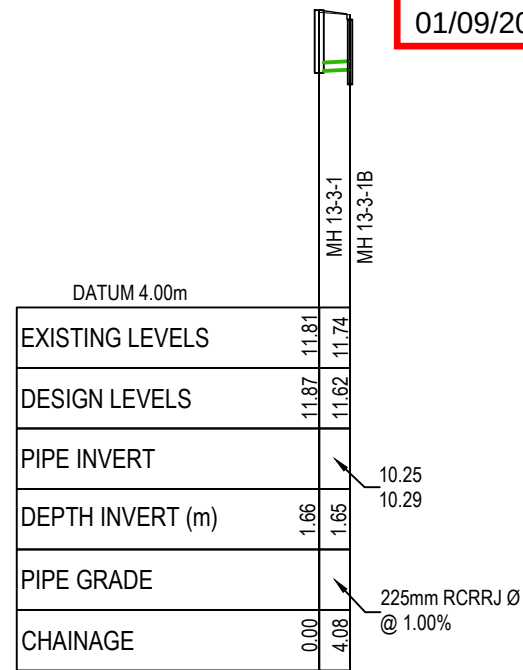
Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437J	Rev	H

01/09/2023



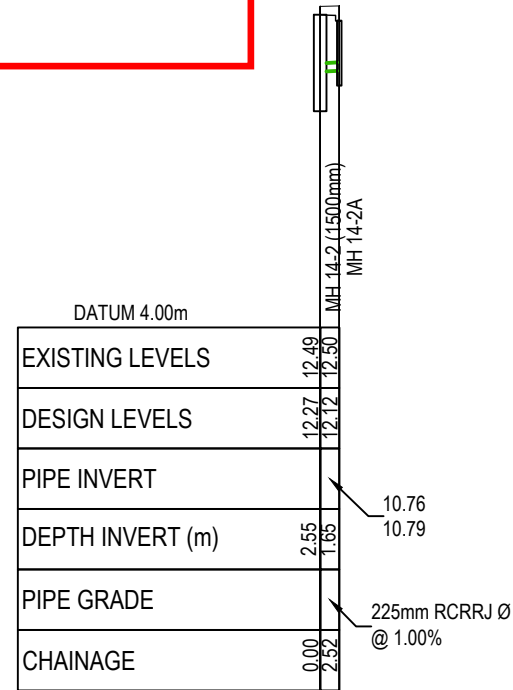
CP13-3-1A

SCALE: HORI 1:1000 VERT 1:200



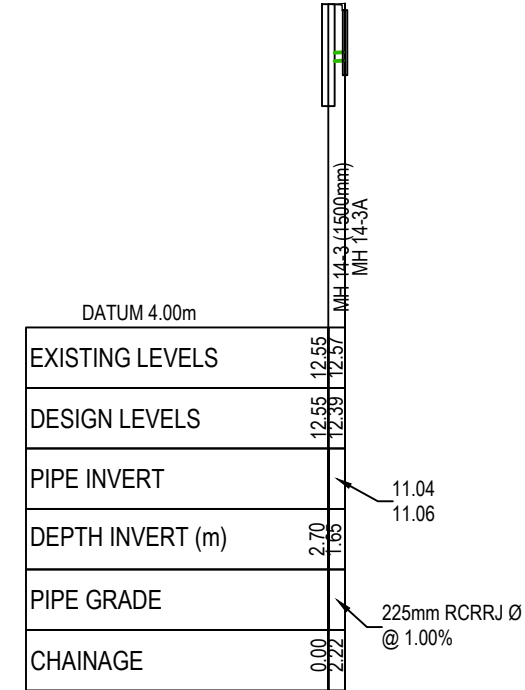
CP13-3-1B

SCALE: HORI 1:1000 VERT 1:200



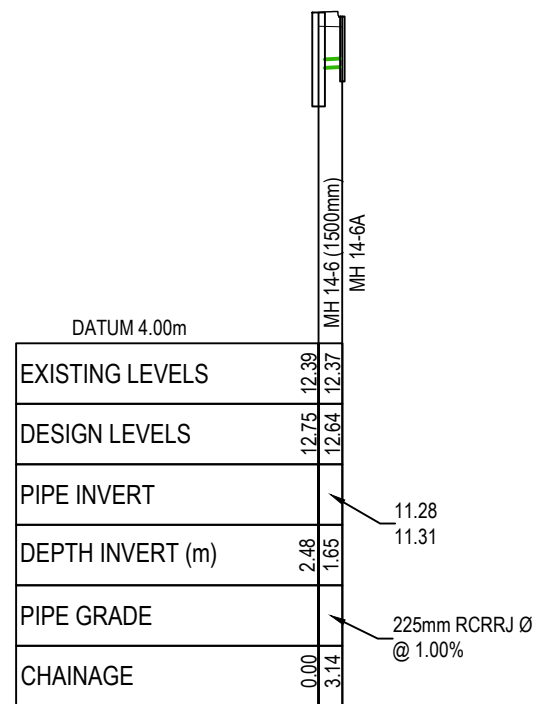
CP14-2A

SCALE: HORI 1:1000 VERT 1:200



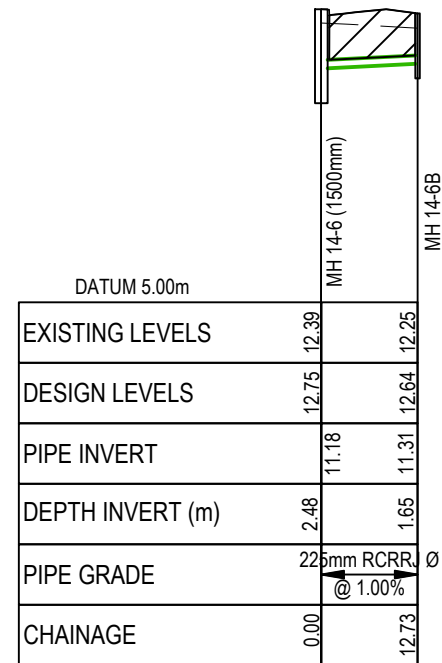
CP14-3A

SCALE: HORI 1:1000 VERT 1:200



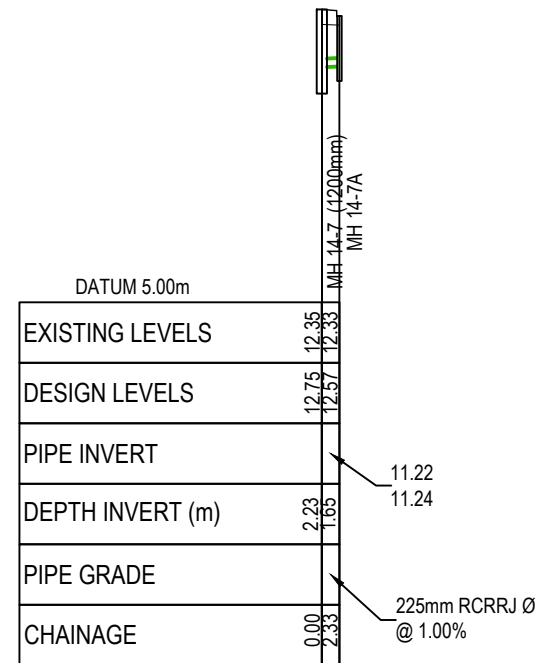
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SCALE: HORI 1:1000 VERT 1:200



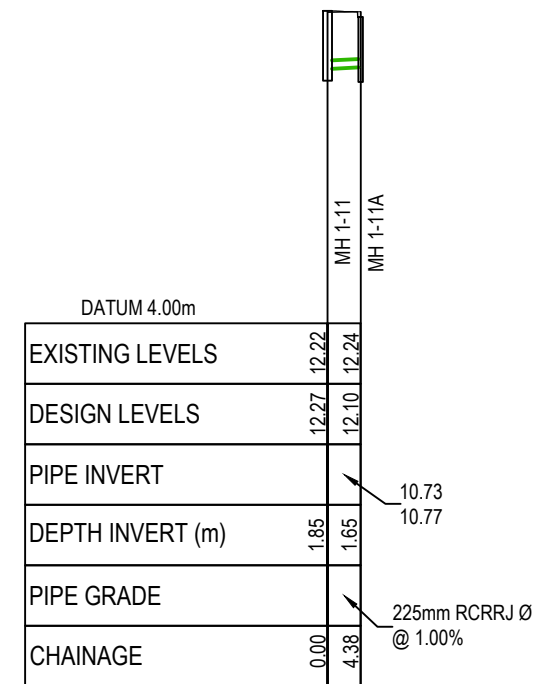
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SCALE: HORI 1:1000 VERT 1:200



CP14-7A

SCALE: HORI 1:1000 VERT 1:200



CP1-11A

SCALE: HORI 1:1000 VERT 1:200

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Legend

---	EX GROUND LEVEL
---	PROP FINISHED LEVEL
///	HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	MS		02/2022
Checked	JP		02/2022



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

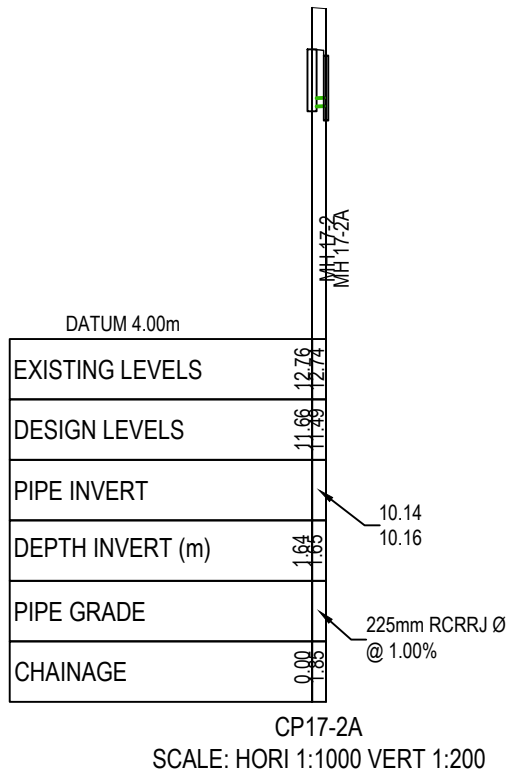
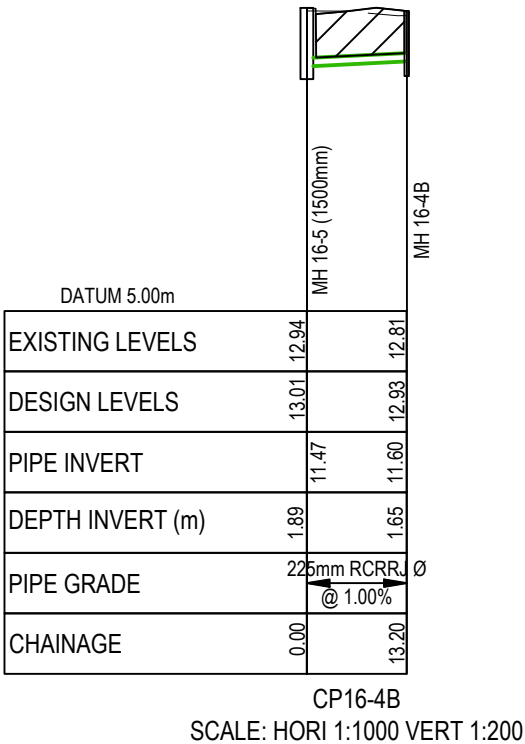
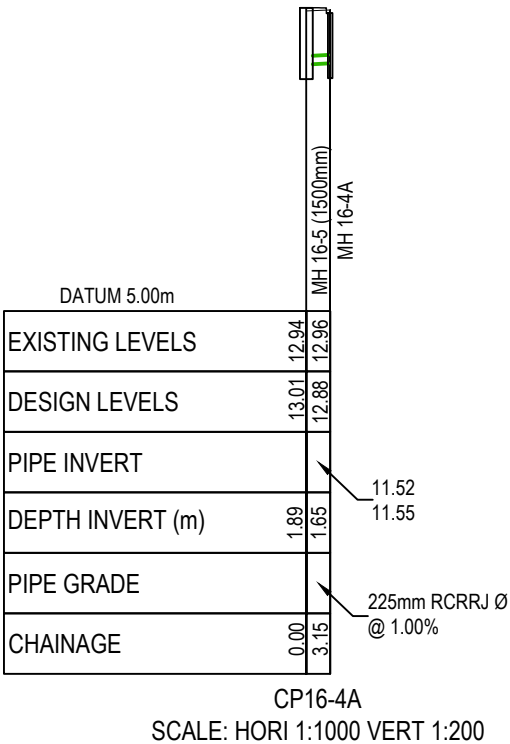
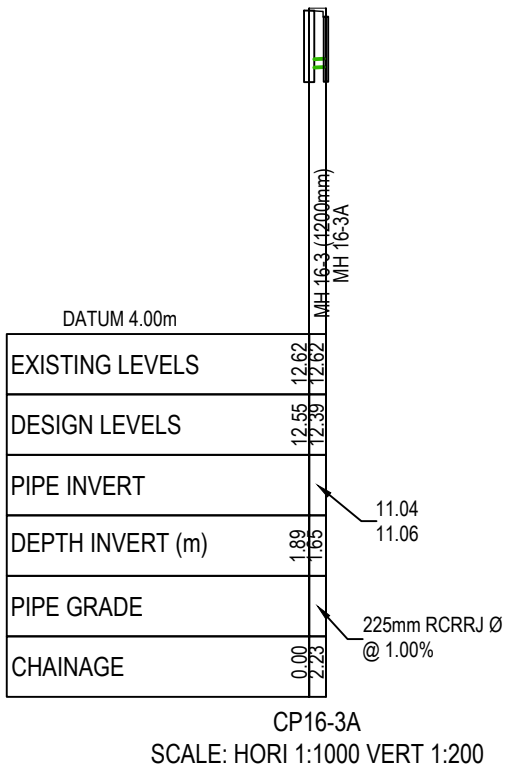
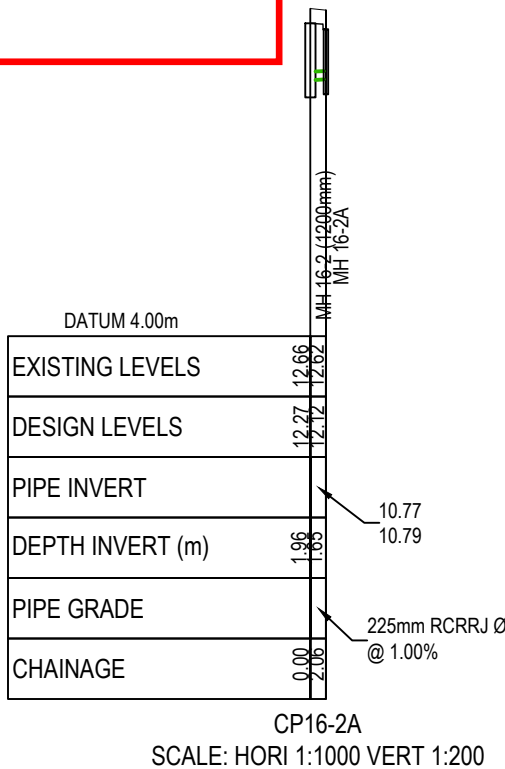
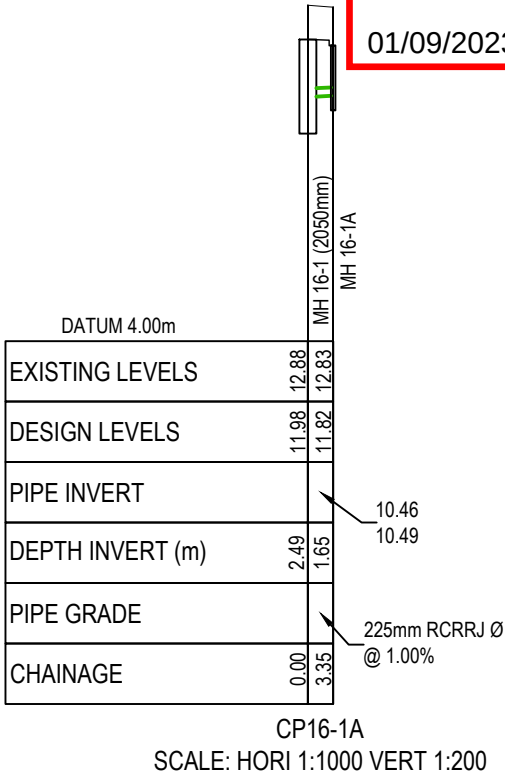
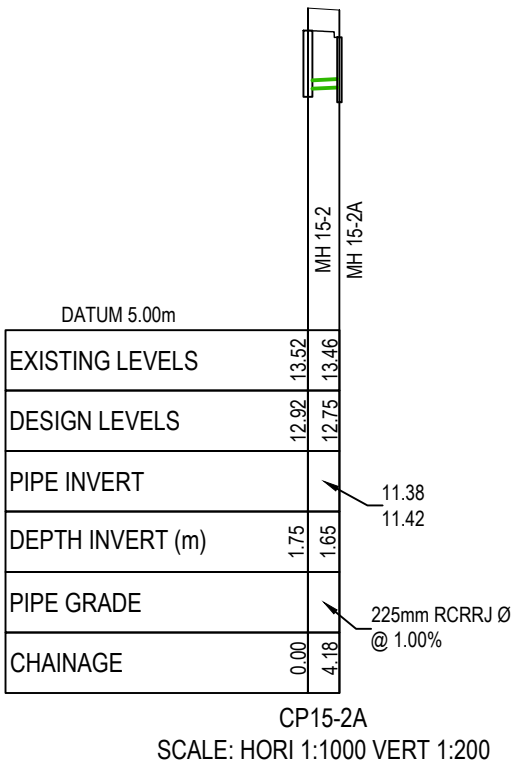
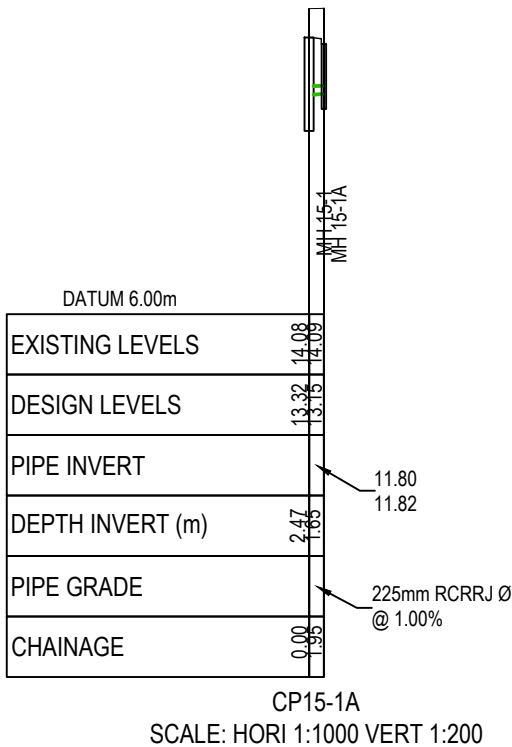
Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437K	Rev	H



BUN60399307

Approved Resource Consent Plan

01/09/2023



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Legend

- EX GROUND LEVEL
- PROP FINISHED LEVEL
- HARDFILL BACKFILL

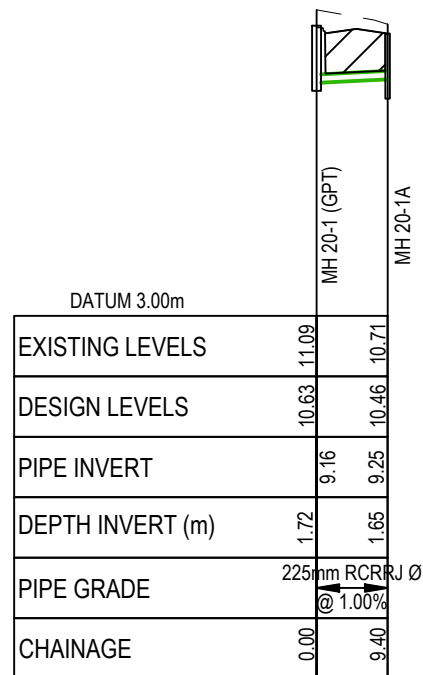
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G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	



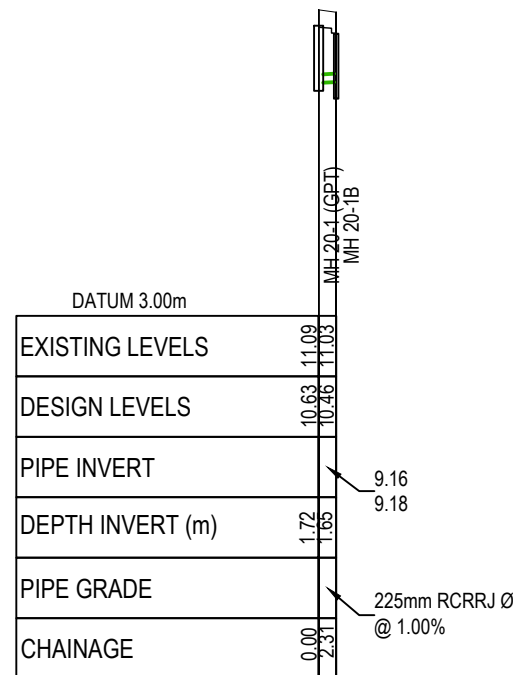
Project
62, 78 & 80 PAKAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

Title
PROPOSED STORMWATER DRAINAGE LONG SECTIONS

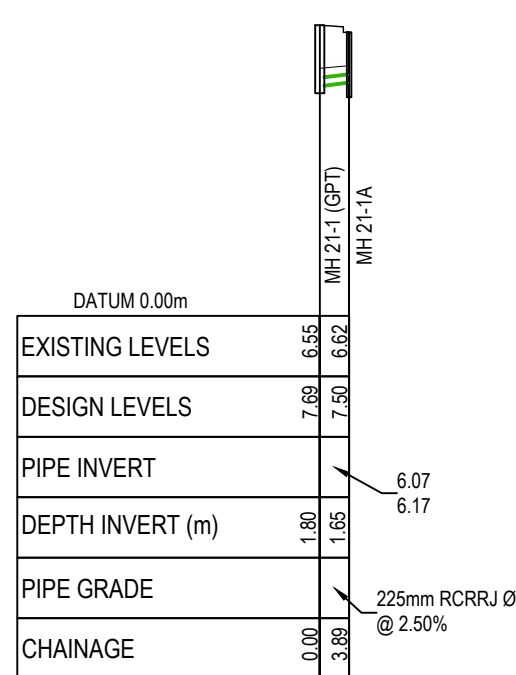
Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437L	Rev	H



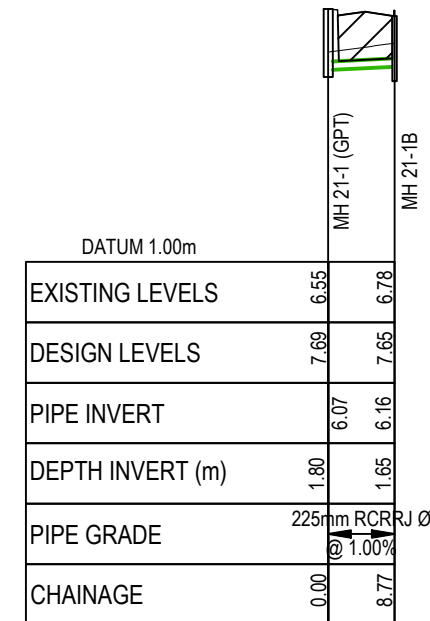
CP20-1A
SCALE: HORI 1:1000 VERT 1:200



CP20-1B
SCALE: HORI 1:1000 VERT 1:200



CP21-1A
SCALE: HORI 1:1000 VERT 1:200



CP21-1B
SCALE: HORI 1:1000 VERT 1:200

- Notes
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Legend

---	EX GROUND LEVEL
---	PROP FINISHED LEVEL
///	HARDFILL BACKFILL

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	02/2022
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	10/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	MS	02/2022	
Checked	JP	02/2022	

M **Maven Associates**
09 571 0050
info@maven.co.nz
www.maven.co.nz
5 Owens Road, Epsom
Auckland 1023

Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER DRAINAGE
LONG SECTIONS**

Project no.	194006		
Scale	1:1000 @ A3		
Cad file	C400- DRAINAGE.DWG		
Drawing no.	C437M	Rev	H

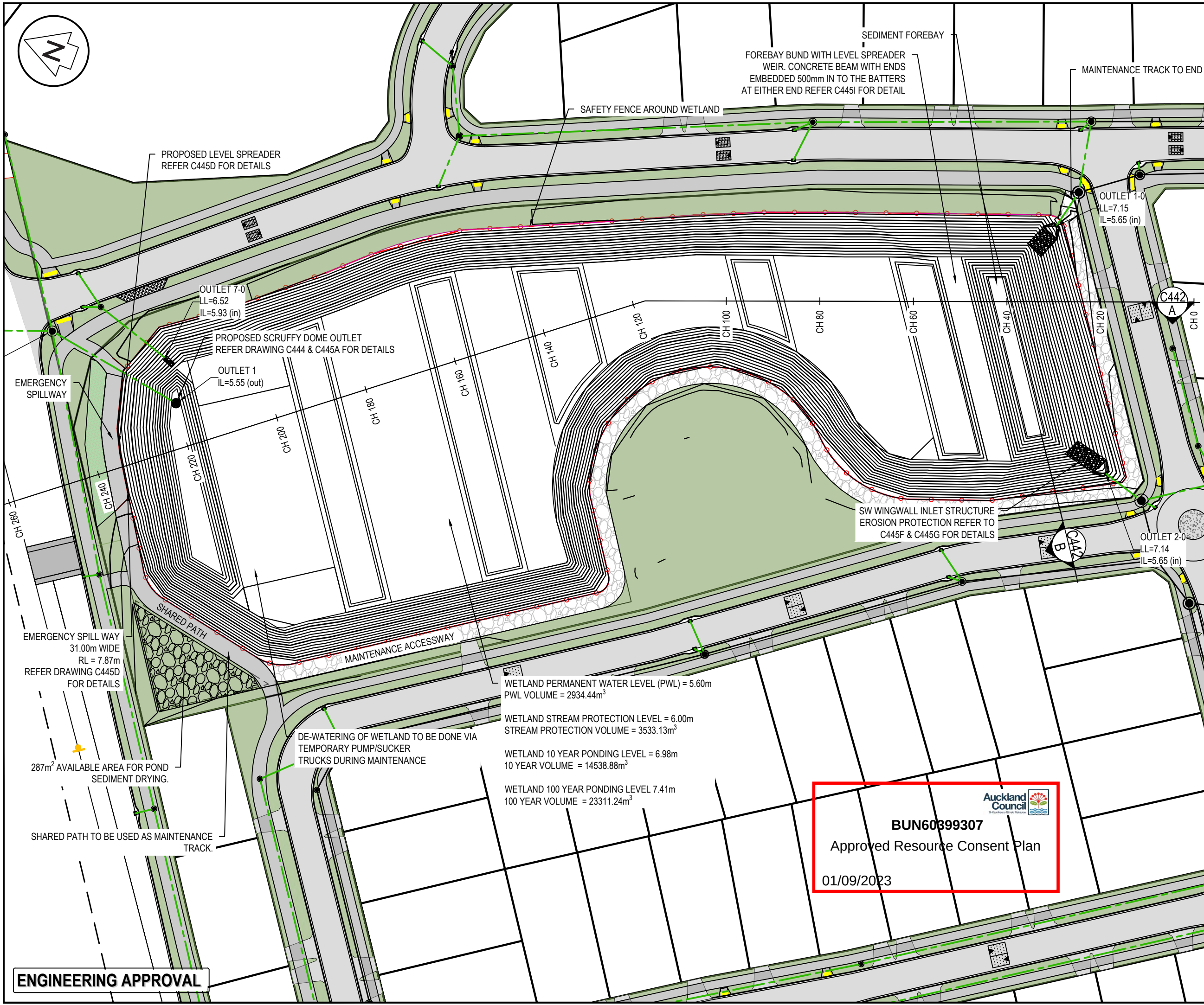


BUN60399307

Approved Resource Consent Plan

01/09/2023

RESOURCE CONSENT



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Legend

- EX BDY
- PROP BDY
- EX STORMWATER
- PR STORMWATER
- EX/PROP SWMH
- PROP SWCP SINGLE

J	RFI	JV	04/2023
I	S92	JV	03/2023
H	S92	JV	01/2023
G	S92	JV	01/2023
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/21
Design	RK		01/22
Drawn	RK		01/22
Checked	JP		01/22

Maven Associates
09 571 0050
info@maven.co.nz
www.maven.co.nz
5 Owens Road, Epsom
Auckland 1023

Project

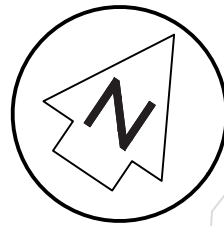
62, 78 & 80 PAPA KURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

Title

PROPOSED WETLAND A PLAN

Project no.	194006
Scale	1:750 @ A3
Cad file	C440- WETLAND.DWG
Drawing no.	C440
Rev	J

ENGINEERING APPROVAL



SW WINGWALL OUTLET
STRUCTURE EROSION
PROTECTION REFER TO
C445B FOR DETAILS

POND OUTLET 2
LL=8.98
IL=7.88 (in)

PROP SWMH 18-1 (1800mm)
LL=10.40
IL=8.07 (in)
IL=8.02 (out)

SHARED PATH TO BE USED AS
MAINTENANCE TRACK

FOREBAY BUND WITH LEVEL SPREADER
WEIR. CONCRETE BEAM WITH ENDS
EMBEDDED 500mm IN TO THE BATTERS
AT EITHER END REFER C445J FOR
DETAIL

PROPOSED SCRUFFY DOME OUTLET
REFER DRAWING C444 & C445B FOR DETAILS

SW WINGWALL INLET
STRUCTURE EROSION
PROTECTION REFER TO
C445G FOR DETAILS

EMERGENCY SPILLWAY

EMERGENCY SPILL WAY 30.00m WIDE
RL = 10.80m
REFER DRAWING C445E FOR DETAILS

DE-WATERING OF WETLAND TO BE DONE VIA
TEMPORARY PUMP/SUCKER
TRUCKS DURING MAINTENANCE

137m² AVAILABLE AREA FOR POND
SEDIMENT DRYING
(137m³ OF SEDIMENT BASED ON 10%
1374m³ PWV

WETLAND PERMANENT WATER LEVEL (PWL) = 9.00m
PWL VOLUME = 1528m³

WETLAND STREAM PROTECTION LEVEL = 9.36m

WETLAND 10 YEAR PONDING LEVEL = 10.18m

WETLAND 100 YEAR PONDING LEVEL 10.67m



BUN60399307

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01/09/2023

ENGINEERING APPROVAL

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Legend

---	EX BDY
---	PROP BDY
---	EX STORMWATER
---	PR STORMWATER
---	EX/PROP SWMH
---	PROP SWCP SINGLE
---	PROP SWCP DOUBLE

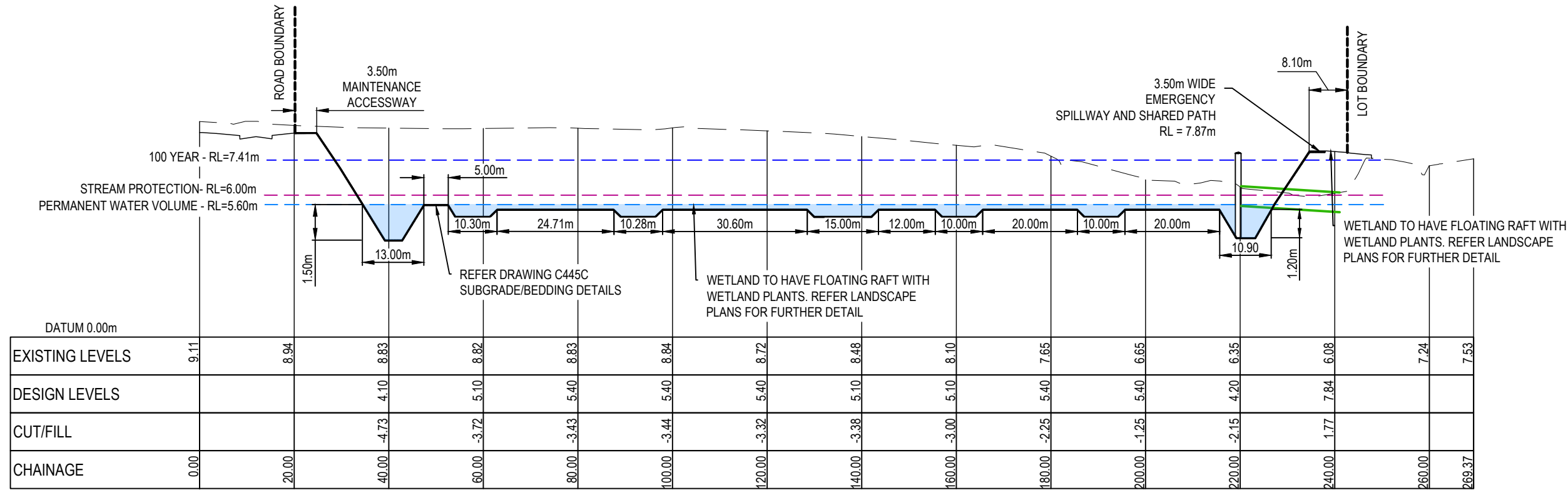
J	RFI	JV	04/2023
I	S92	JV	03/2023
H	S92	JV	01/2023
G	S92	JV	01/2023
Rev	Description	By	Date
Survey	SURVEYWORX		12/21
Design	RK		01/22
Drawn	RK		01/22
Checked	JP		01/22



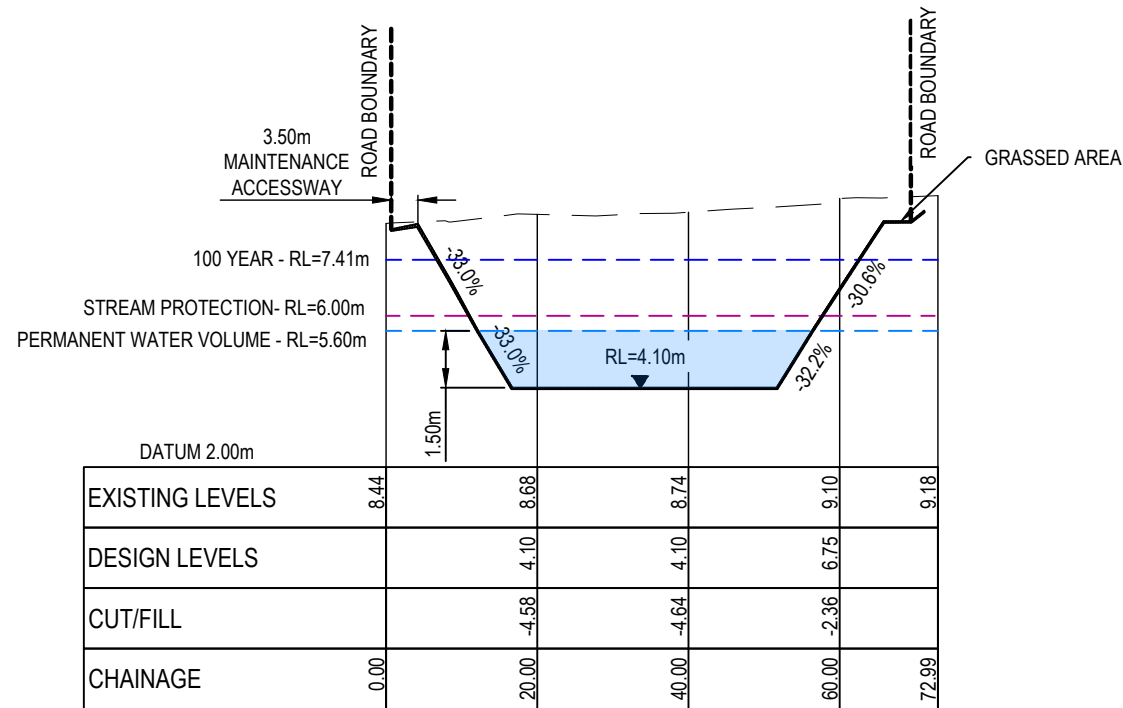
Project
**62, 78 & 80 PAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED WETLAND B
PLAN**

Project no.	194006
Scale	1:750 @ A3
Cad file	C440- WETLAND.DWG
Drawing no.	C441
Rev	J



PROPOSED WETLAND A LONGSECTION A
SCALE 1:1000 HORZ 1:200 VERT



PROPOSED WETLAND A CROSS SECTION B
SCALE 1:1000 HORZ 1:200 VERT

ENGINEERING APPROVAL

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Legend			
---	EX BDY	---	EX STORMWATER
---	PROP BDY	---	PR STORMWATER
---	EX STORMWATER	---	EX/PROP SWMH
---	PR STORMWATER	---	PROP SWCP SINGLE
---	EX/PROP SWMH	---	PROP SWCP DOUBLE

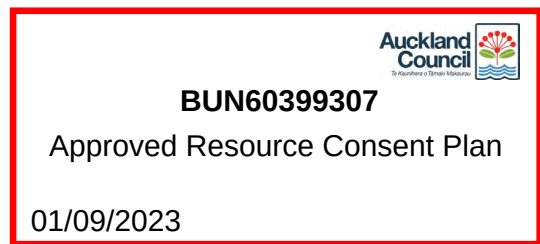
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I	S92	JV	03/2023
H	S92	JV	01/2023
G	S92	JV	01/2023
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORK	12/21	
Design	RK	01/22	
Drawn	RK	01/22	
Checked	JP	01/22	

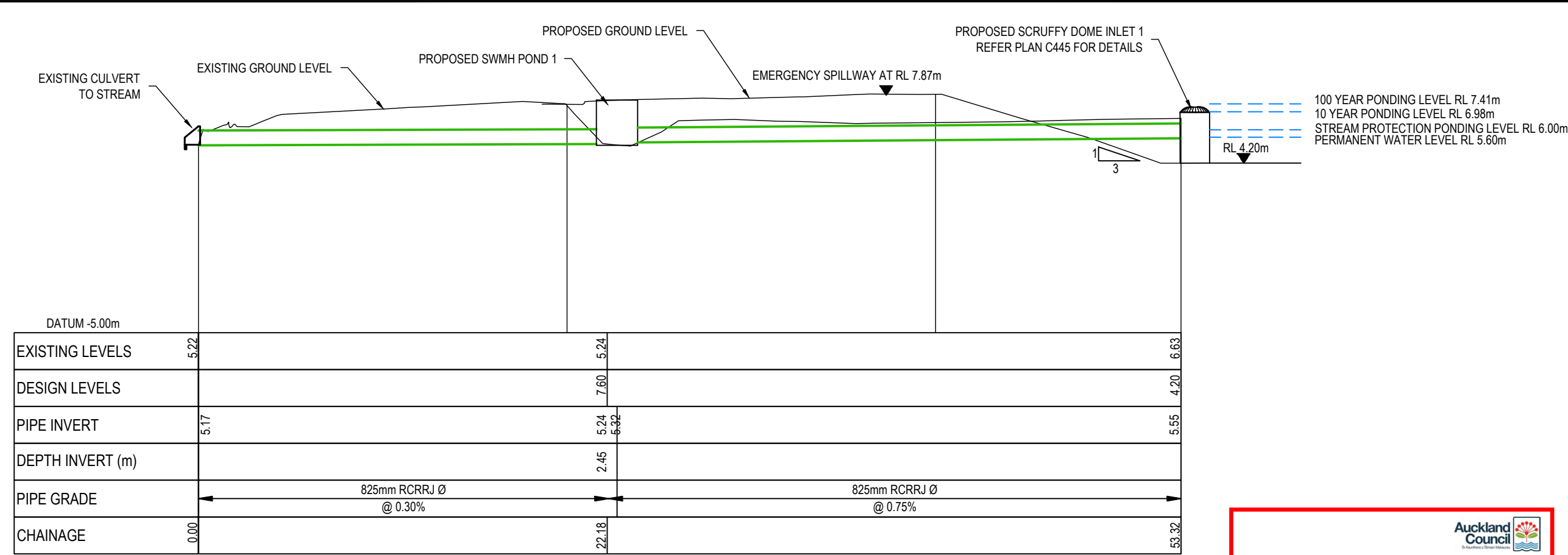


Project
**62, 78 & 80 PAPAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED WETLAND A
LONGSECTION AND
CROSS SECTION**

Project no.	194006		
Scale	AS SHOWN		
Cad file	C440- WETLAND.DWG		
Drawing no.	C442	Rev	J





PROPOSED WETLAND A OUTLET SECTION
SCALE 1:250 @ A3

BUN60399307
Approved Resource Consent Plan
01/09/2023

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Legend

---	EX BDY
---	PROP BDY
---	EX STORMWATER
---	PR STORMWATER
---	EX/PROP SWMH
---	PROP SWCP SINGLE
---	PROP SWCP DOUBLE

J	RFI	JV	04/2023
I	S92	JV	03/2023
H	S92	JV	01/2023
G	S92	JV	01/2023
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/21	
Design	RK	01/22	
Drawn	RK	01/22	
Checked	JP	01/22	

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Auckland 1023

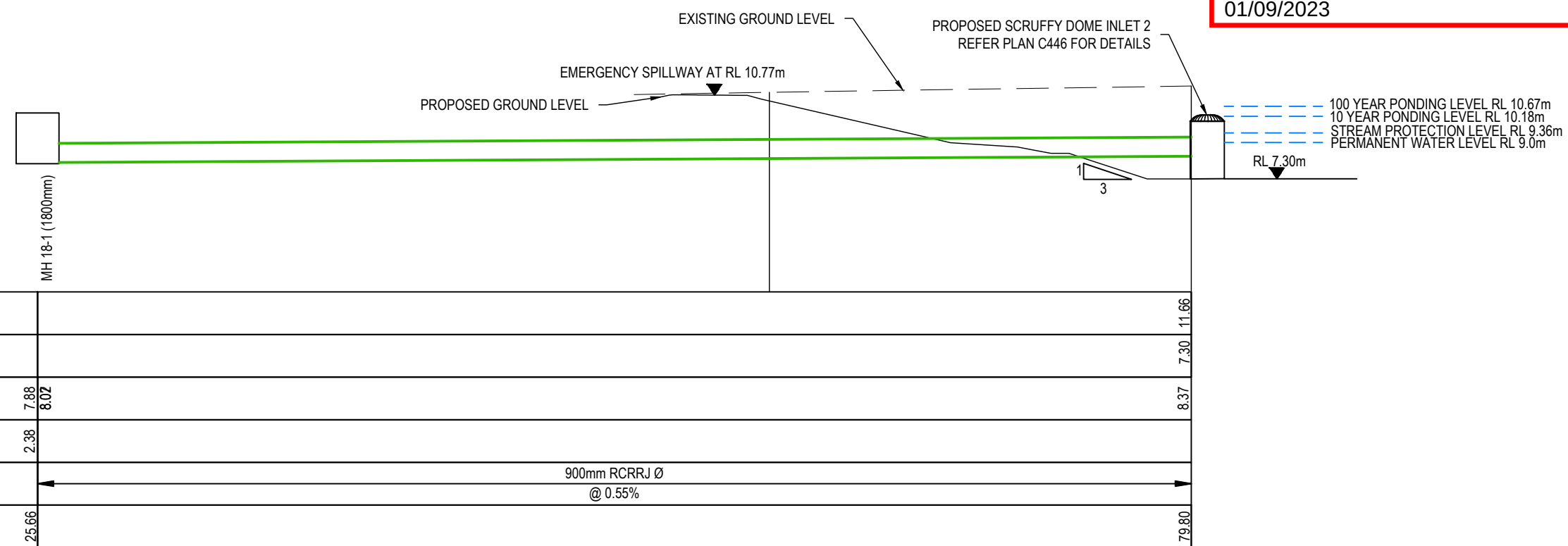
Project
**62, 78 & 80 PAPAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

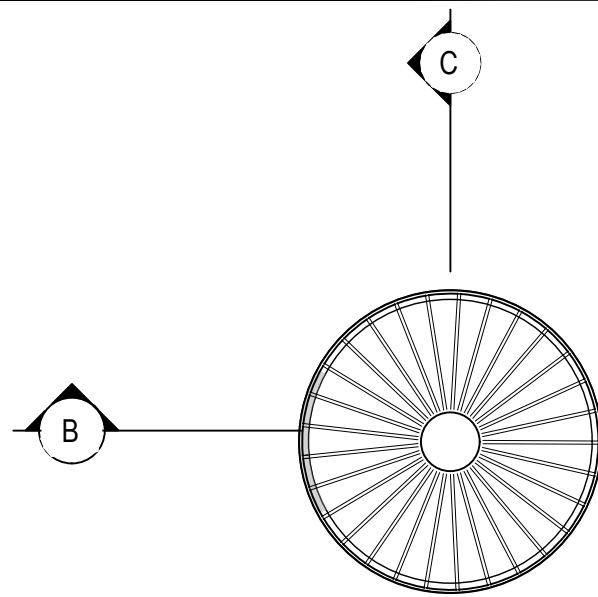
Title
**PROPOSED
WETLAND A & B
OUTLET CROSS SECTION**

Project no.	194006		
Scale	NTS		
Cad file	C440- WETLAND.DWG		
Drawing no.	C444	Rev	J

ENGINEERING APPROVAL

PROPOSED WETLAND B OUTLET SECTION
SCALE 1:250 @ A3





WETLAND A - SCRUFFY DOME PLAN A
N.T.S

Auckland Council

To Kaitiaki e Te Kaitiaki

BUN60399307

Approved Resource Consent Plan

01/09/2023

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PROPOSED WETLAND A OUTLET SECTION B
N.T.S

ENGINEERING APPROVAL

PROPOSED WETLAND A OUTLET SECTION C
N.T.S

J	RFI	JV	04/2023
I	S92	JV	03/2023
H	S92	JV	01/2023
G	S92	JV	01/2023
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/21	
Design	RK	01/22	
Drawn	RK	05/22	
Checked	JP	05/22	

M

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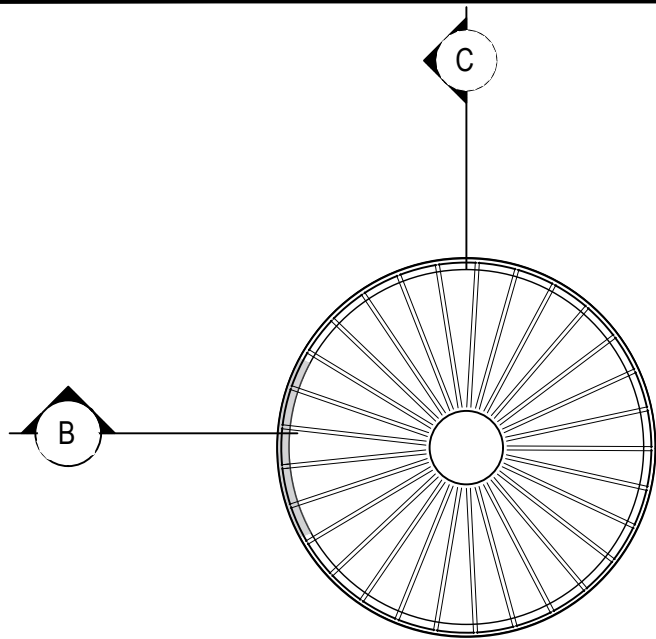
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Auckland 1023

Project
**62, 78 & 80 PAKAPURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title PROPOSED WETLAND A OUTLET DETAIL			
Project no.	194006		
Scale	NTS		
Cad file	C440- WETLAND.DWG		
Drawing no.	C445A	Rev	J



WETLAND B - SCRUFFY DOME PLAN A
N.T.S



BUN60399307
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01/09/2023

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Rev	Description	By	Date
	By	Date	
Survey	A	12/21	
Design	RK	01/22	
Drawn	RK	05/22	
Checked	JP	05/22	

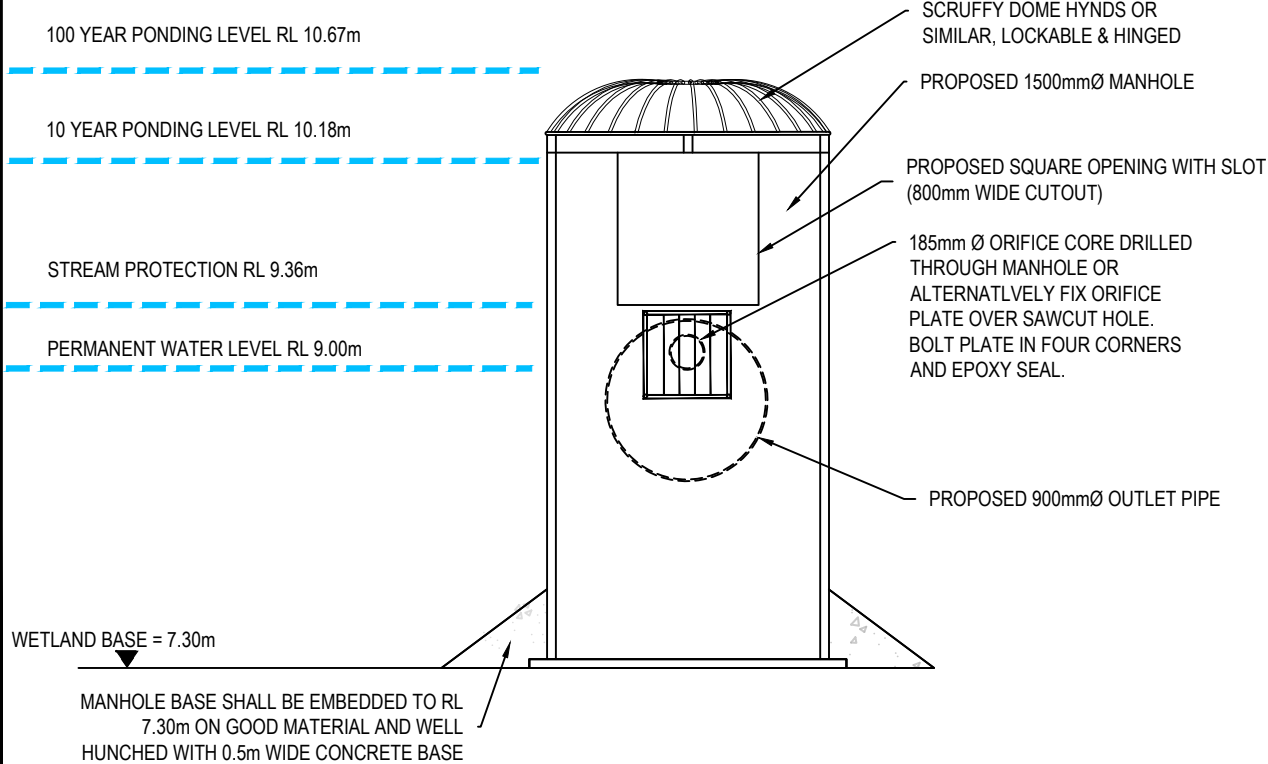


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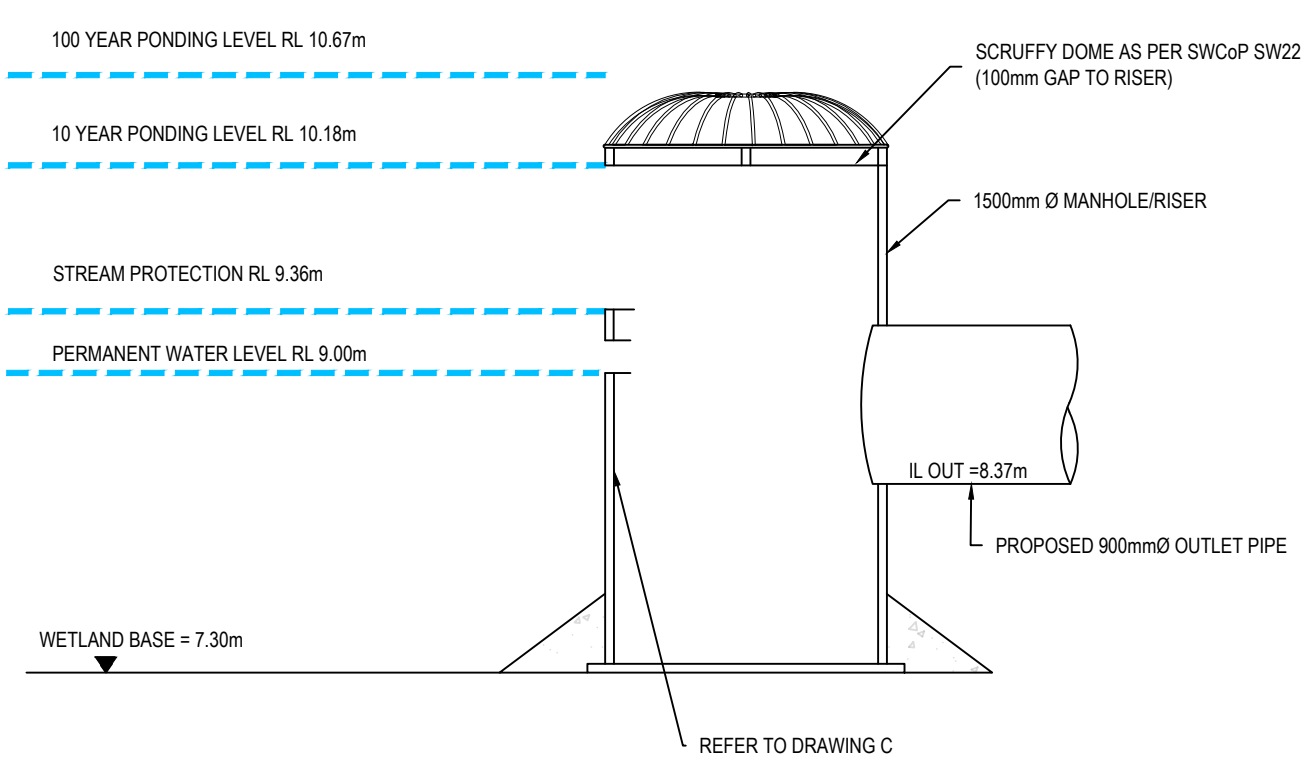
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
WETLAND B
OUTLET DETAIL**

Project no.	194006
Scale	NTS
Cad file	C440- WETLAND.DWG
Drawing no.	C445B
Rev	J

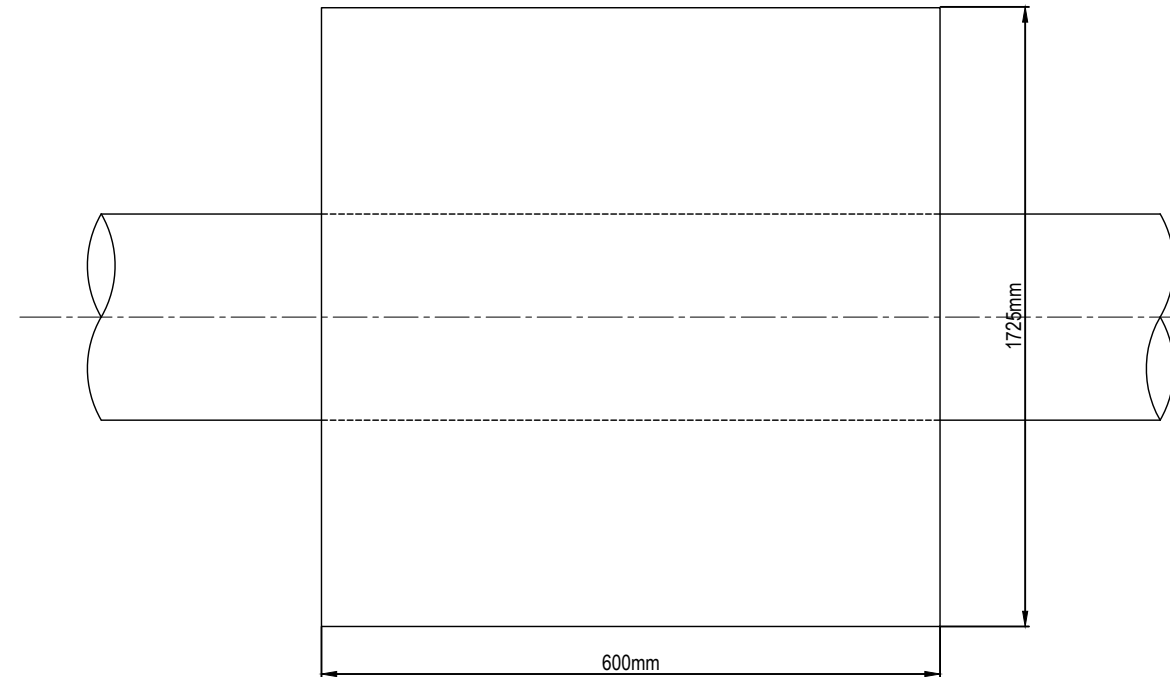


PROPOSED WETLAND B OUTLET SECTION B
N.T.S



PROPOSED WETLAND B OUTLET SECTION C
N.T.S

ENGINEERING APPROVAL



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The image shows the top portion of a presentation slide. On the left, the Auckland Council logo is displayed, featuring the text 'Auckland Council' above 'Te Kaitiaki o Te Hōkai' and a stylized tree icon. To the right of the logo, the text 'BUN60399307' is written in a large, bold, black font. Below this, the text 'Approved Resource Consent Plan' is written in a smaller, black font. At the bottom left of this section, the date '01/09/2023' is displayed in a large, black font. The entire slide content is enclosed within a thick red border.

NOTES: THE OUTLET PIPE SHALL HAVE A WATERTIGHT ANTI-SEEP COLLAR MADE OF CONCRETE. THE COLLAR SHALL EXTEND VERTICALLY INSIDE THE POND BANKS AS DETAILED ON THE DRAWINGS. THE INLET SURROUNDS SHALL BE EXCAVATED TO THE REQUIRED DEPTH (AS SHOWN ON THE DRAWINGS) AND PREPARED FOR LINING. BIDIM A12 GEOTEXTILE SHALL BE INSTALLED AND PINNED IN PLACE AS PER MANUFACTURER'S INSTRUCTIONS, 300-500 MM RIP RAP TO BE PLACED ON THE GEOTEXTILE CAREFULLY SO AS NOT TO PERFORATE THE MATERIAL. RIP RAP SHALL BE PLACED AT A LEVEL GRADE; THE TOP OF RIP RAP TO BE THE SAME ELEVATION AS THE INLET INVERT AND RANDOMLY ARRANGED SO AS TO AVOID PREFERENTIAL FLOWPATHS.

J	RFI	JV	04/2023
I	S92	JV	03/2023
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Checked	JP	05/22	



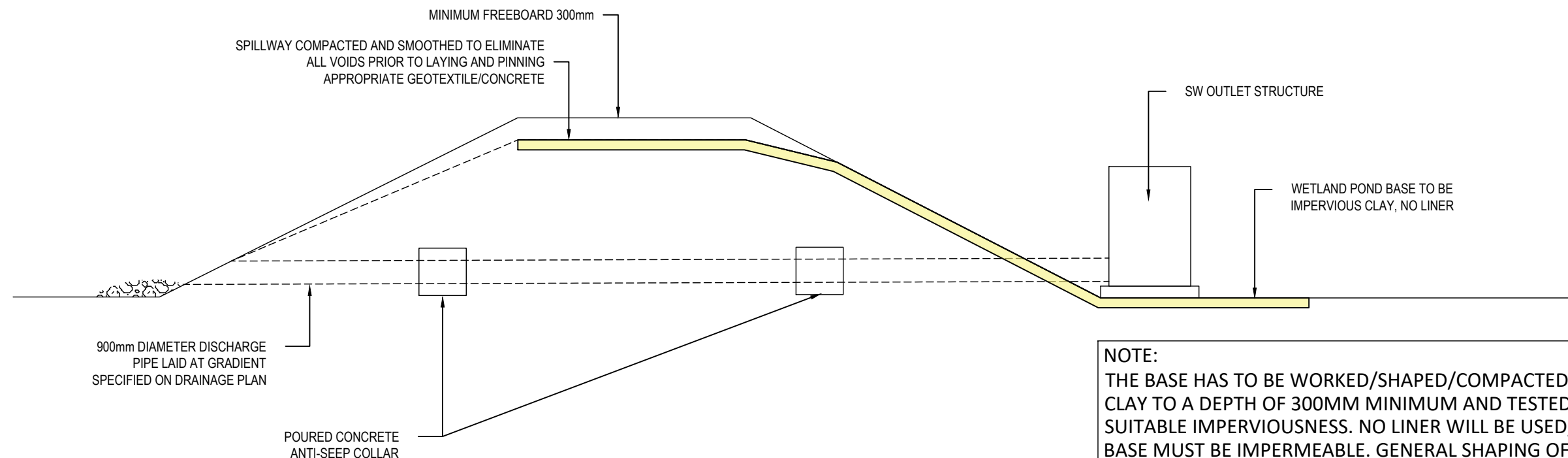
Maven Associates
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Project
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FOR CLEVEDON
PROPERTIES LTD**

Title

**PROPOSED
WETLAND AND ANTI-SEEP
COLLAR DETAIL**

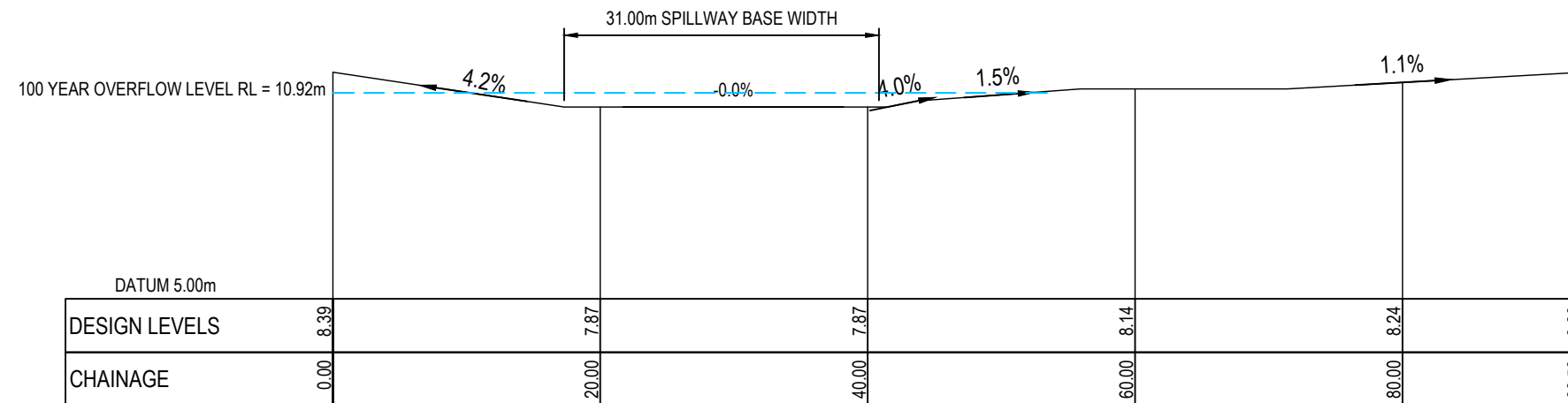
Project no.	194006		
Scale	NTS		
Cad file	C440- WETLAND.DWG		
Drawing no.	C445C	Rev	J



NOTE: THE BASE HAS TO BE WORKED/SHAPED/COMPACTED WITH CLAY TO A DEPTH OF 300MM MINIMUM AND TESTED FOR SUITABLE IMPERVIOUSNESS. NO LINER WILL BE USED, THE BASE MUST BE IMPERMEABLE. GENERAL SHAPING OF THE BATHYMETRY WILL BE CONSTRUCTED AFTER THE POND BASE TREATMENT WORK.
--

ENGINEERING APPROVAL

TYPICAL CROSS SECTION OF WETLAND OUTLET



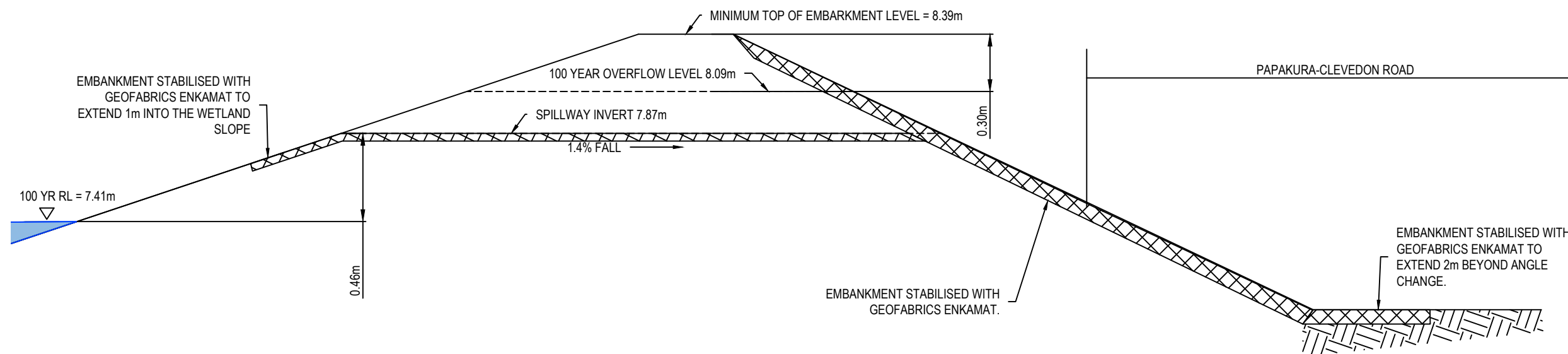
WETLAND A SPILLWAY LONGSECTION
SCALE 1:500 @ A3



BUN60399307

Approved Resource Consent Plan

01/09/2023



WETLAND A SPILLWAY CROSS SECTION
N.T.S

ENGINEERING APPROVAL

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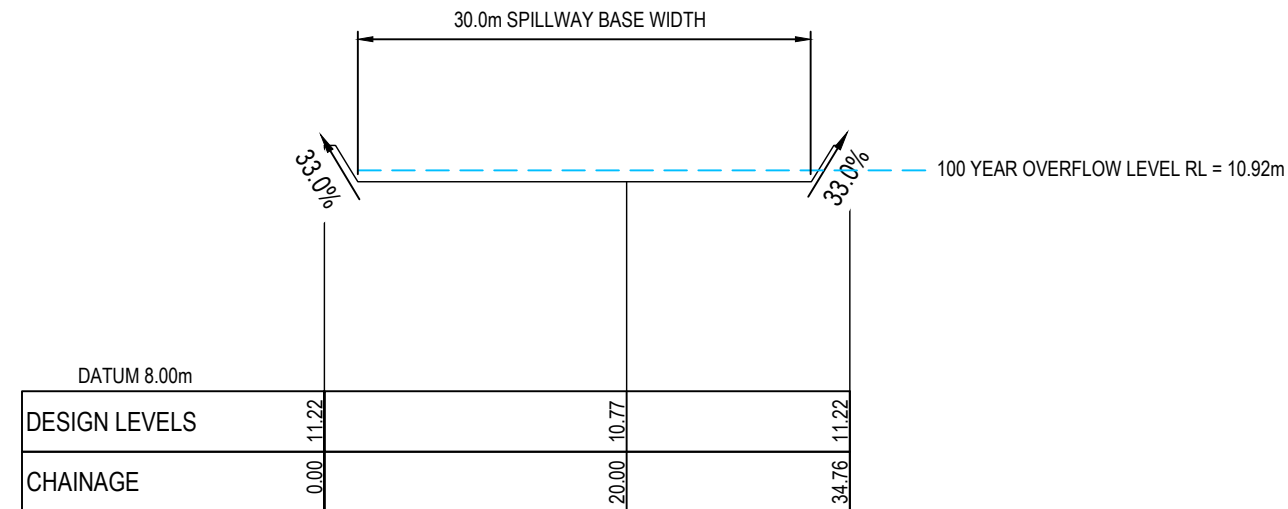
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I	S92	JV	03/2023
H	S92	JV	01/2023
G	S92	JV	01/2023
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/21	
Design	RK	01/22	
Drawn	RK	05/22	
Checked	JP	05/22	



Project
**62, 78 & 80 PAPAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

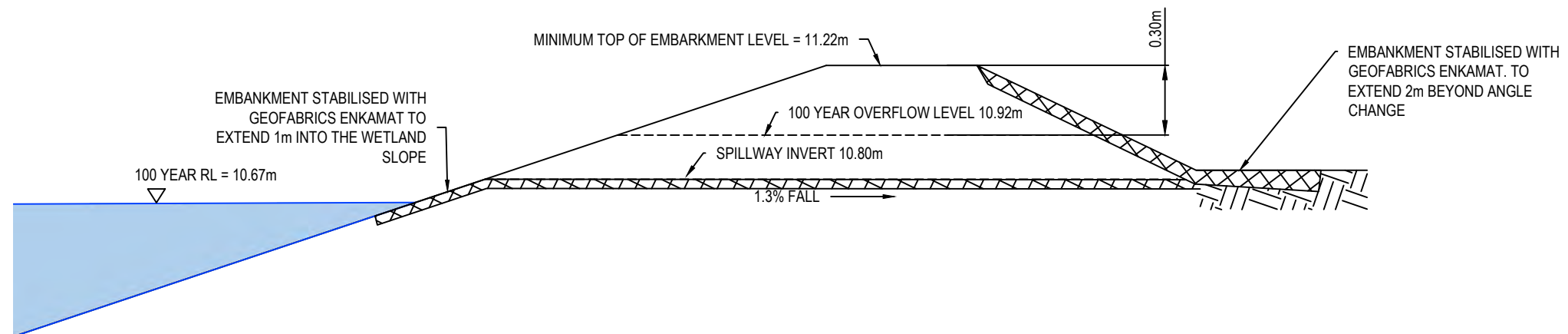
Title
**PROPOSED
WETLAND A
SPILLWAY DETAIL**

Project no.	194006		
Scale	NTS		
Cad file	C440- WETLAND.DWG		
Drawing no.	C445D	Rev	J



WETLAND B SPILLWAY LONGSECTION

SCALE 1:500 @ A3



WETLAND B SPILLWAY CROSS SECTION

N.T.S

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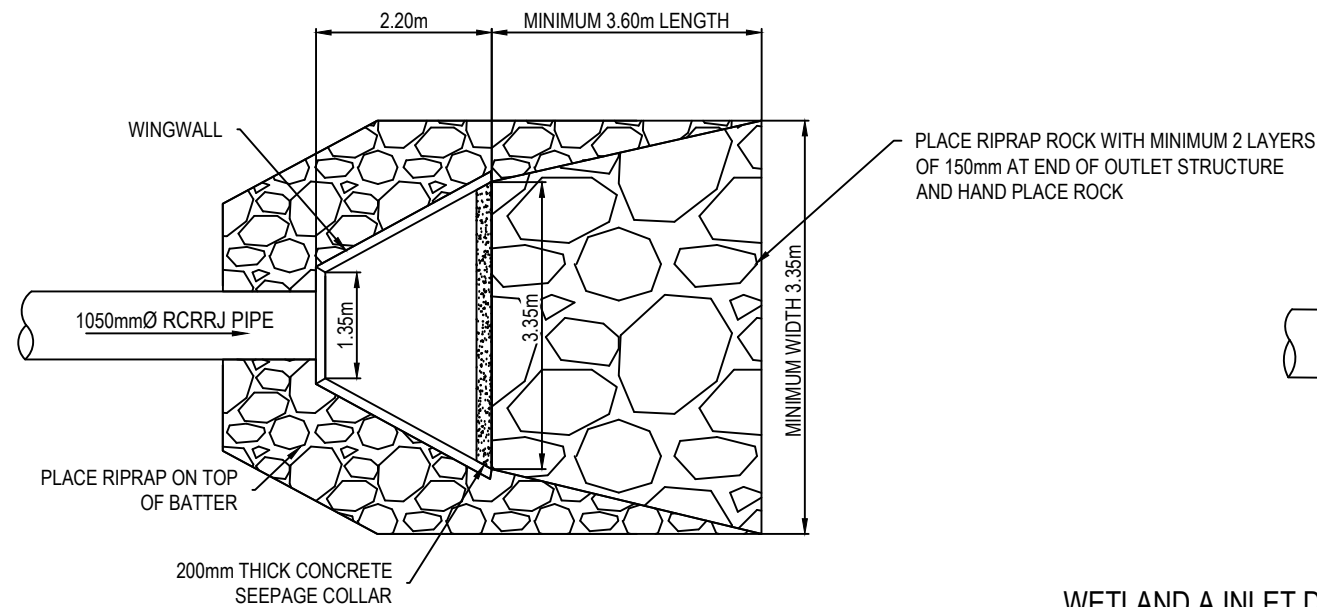
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H	S92	JV	01/2023
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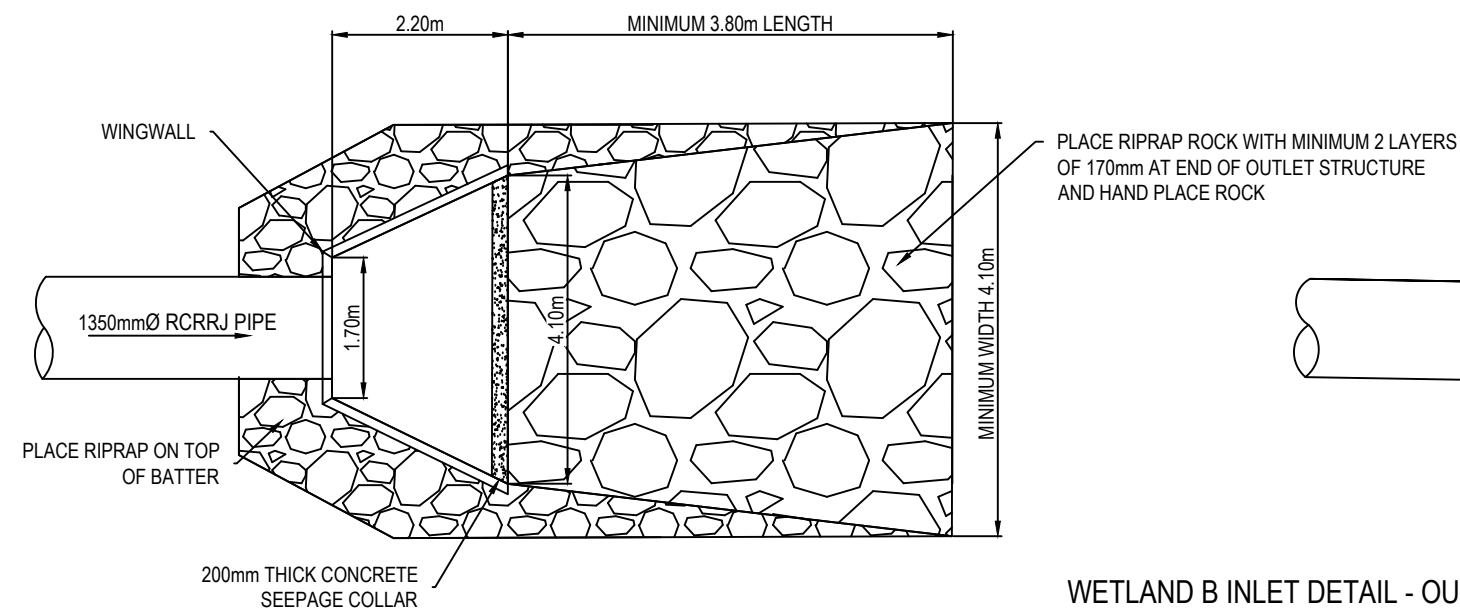
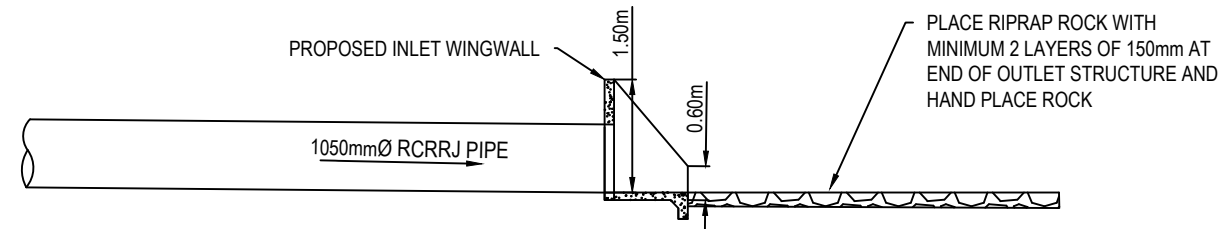
Project
**62, 78 & 80 PAPAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
WETLAND B
SPILLWAY DETAIL**

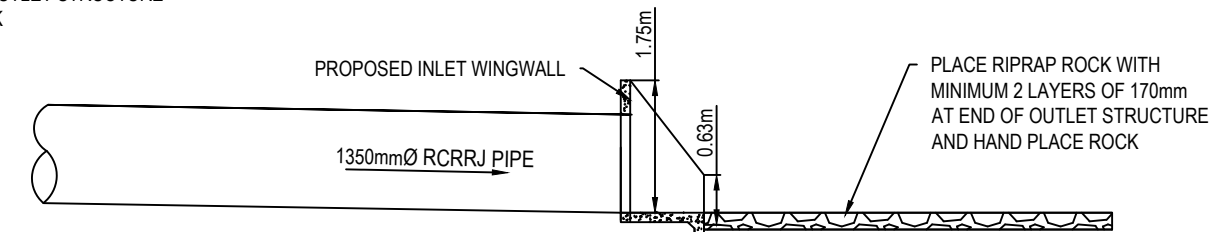
Project no.	194006		
Scale	NTS		
Cad file	C440- WETLAND.DWG		
Drawing no.	C445E	Rev	J



WETLAND A INLET DETAIL - OUTLET 1-0
SCALE 1:100 @ A3



WETLAND B INLET DETAIL - OUTLET 2-0
SCALE 1:100 @ A3



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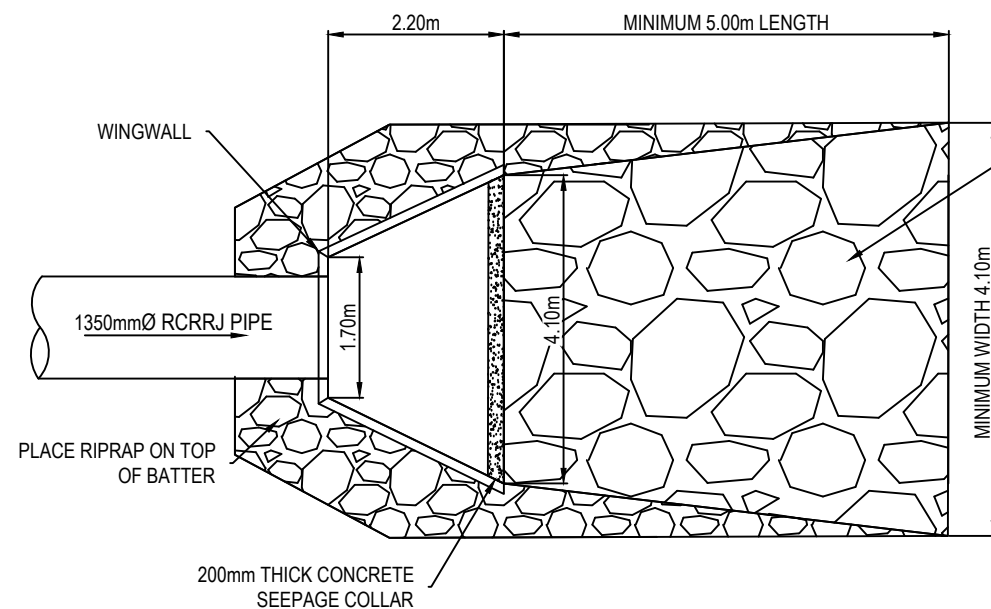
Title
**PROPOSED
WETLAND INLET DETAIL
SECTIONS**

Project no.	194006
Scale	NTS
Cad file	C440- WETLAND.DWG
Drawing no.	C445F
Rev	J

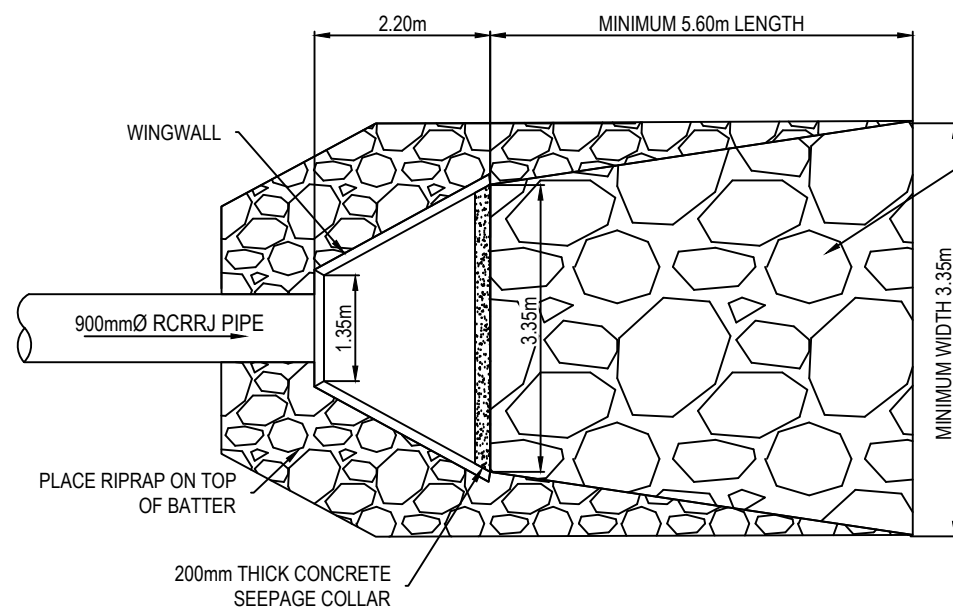
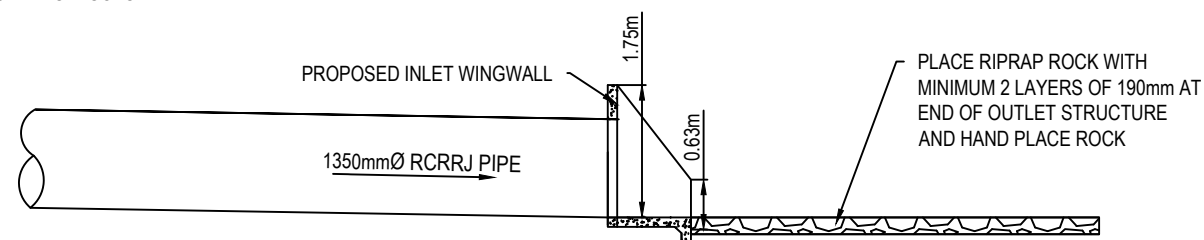
ENGINEERING APPROVAL

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01/09/2023

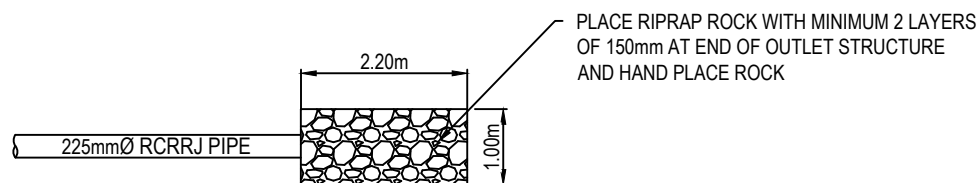
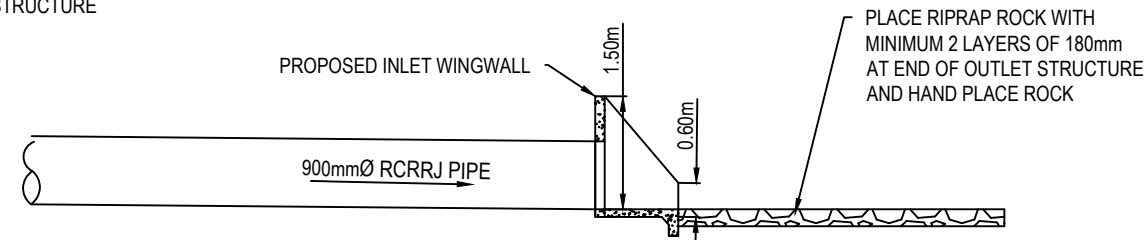




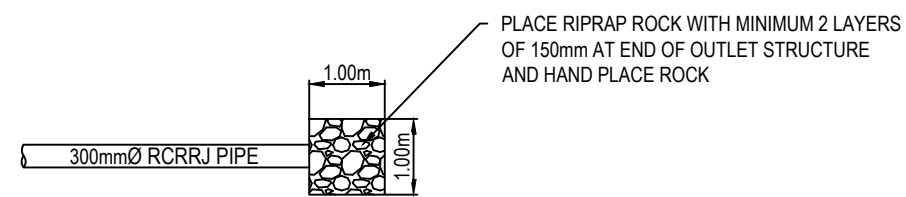
WETLAND B INLET DETAIL - OUTLET 4-0
SCALE 1:100 @ A3



WETLAND B INLET DETAIL - OUTLET 2
SCALE 1:100 @ A3



WETLAND A INLET DETAIL - OUTLET 7-0
SCALE 1:100 @ A3



WETLAND B INLET DETAIL - OUTLET 6-0
SCALE 1:100 @ A3

ENGINEERING APPROVAL

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	By		Date
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5 Owens Road, Epsom

Auckland 1023

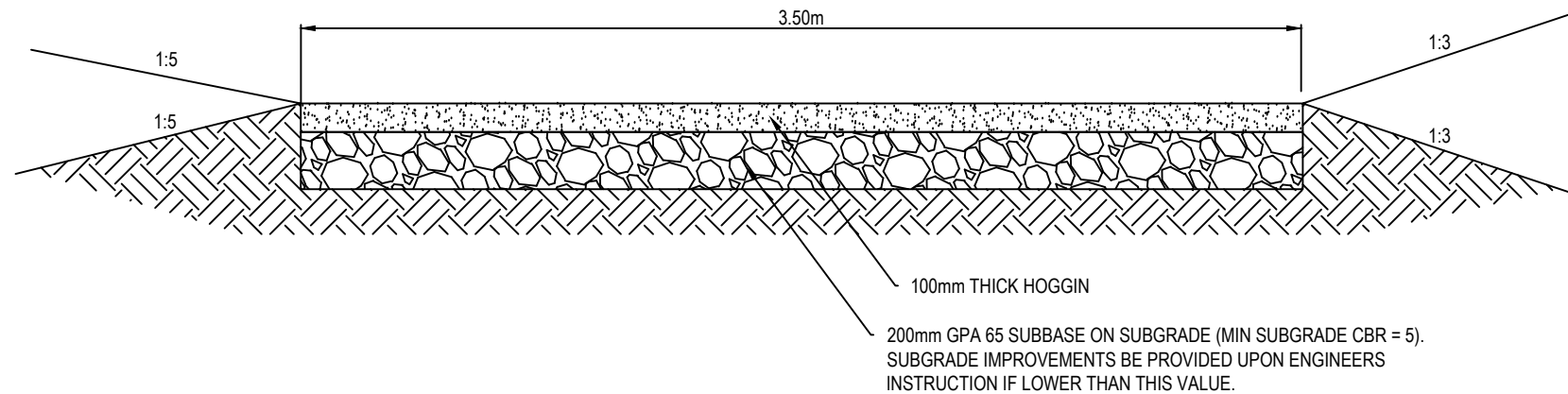
Project

62, 78 & 80 PAPAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

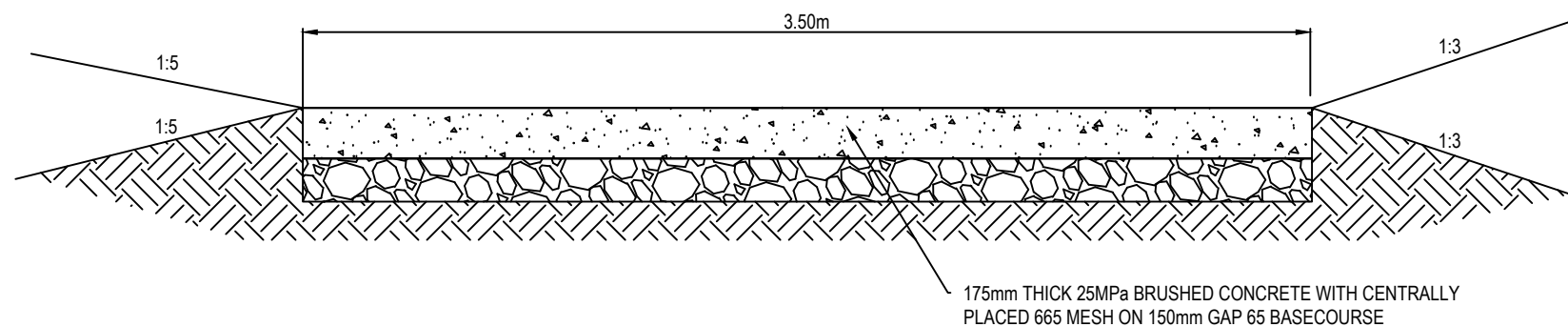
Title

PROPOSED WETLAND INLET DETAIL SECTIONS

Project no.	194006
Scale	NTS
Cad file	C440- WETLAND.DWG
Drawing no.	C445G
Rev	J



POND MAINTANENCE ACCESS TRACK
SCALE 1:25



POND SHARED PATH
SCALE 1:25

- Notes
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J	RFI	JV	04/2023
I	S92	JV	03/2023
H	S92	JV	01/2023
G	S92	JV	01/2023
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/21	
Design	RK	01/22	
Drawn	RK	05/22	
Checked	JP	05/22	

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Project
**62, 78 & 80 PAPAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
ACCESS ROAD
CROSS-SECTION**

Project no.	194006		
Scale	NTS		
Cad file	C440- WETLAND.DWG		
Drawing no.	C445I	Rev	J

ENGINEERING APPROVAL

BUN60399307
Approved Resource Consent Plan
01/09/2023



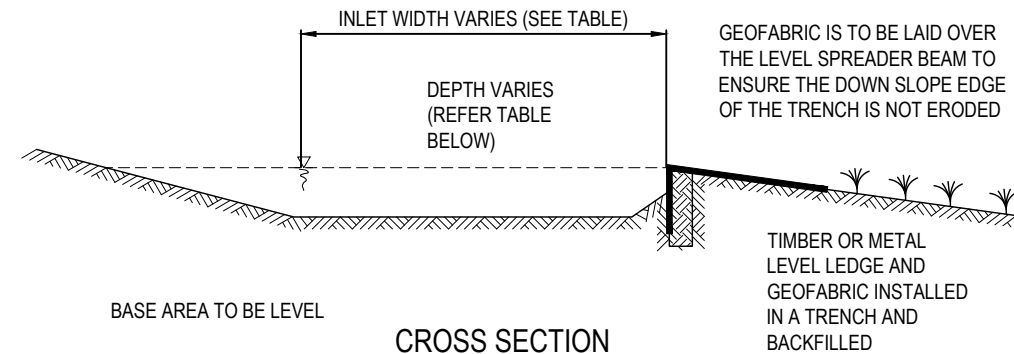
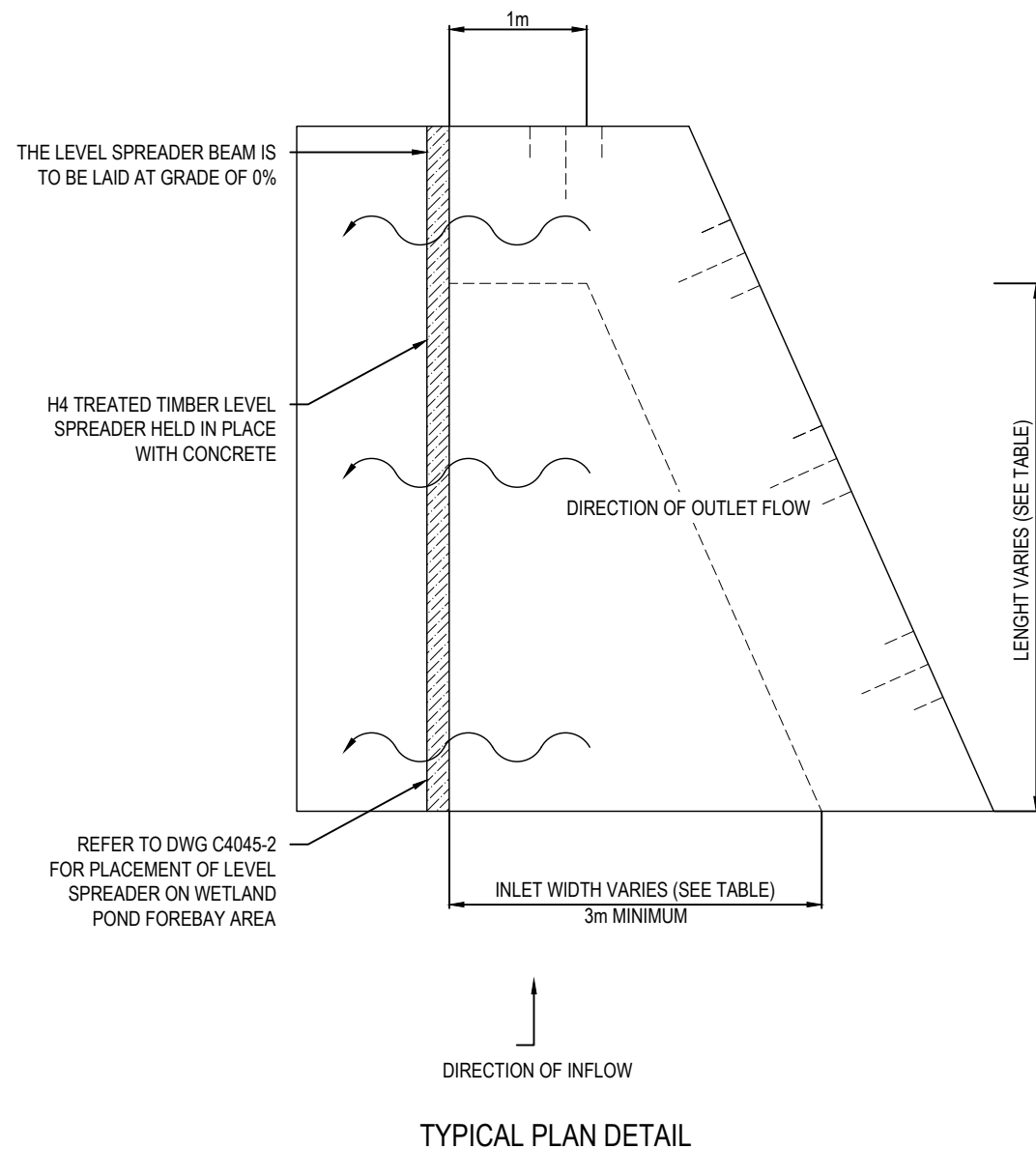


TABLE 1: LEVEL SPREADER DESIGN CRITERIA:

DESIGN FLOW (m ³ /sec)	INLET WIDTH (m)	DEPTH (mm)	END WIDTH (m)	LENGTH (m)
0 - 0.3	3	150	1	3
0.3 - 0.6	5	180	1	7
0.6 - 0.9	7	220	1	10

NOTES: A LEVEL SPREADER WEIR IS REQUIRED ON THE FOREBAY BUND (CAN BE A PRECAST CONCRETE BEAM). THIS IS DESIGNED TO SPREAD THE FLOWS EVENLY ACROSS THE FULL WIDTH OF THE WETLAND AND REDUCE THE RISKS OF PREFERENTIAL FLOW PATHS. DRAWINGS OF LEVEL SPREADER SHOULD INDICATE THAT IT WILL WELL KEYED INTO THE BATTERS (BY AT LEAST 500 MM) TO PREVENT ANY SHORT CIRCUITS FORMING RESULTING IN PREFERENTIAL FLOW PATHS AND PERSISTENT SCOUR OR PIPING.

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G	S92	JV	01/2023
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/21	
Design	RK	01/22	
Drawn	RK	05/22	
Checked	JP	05/22	

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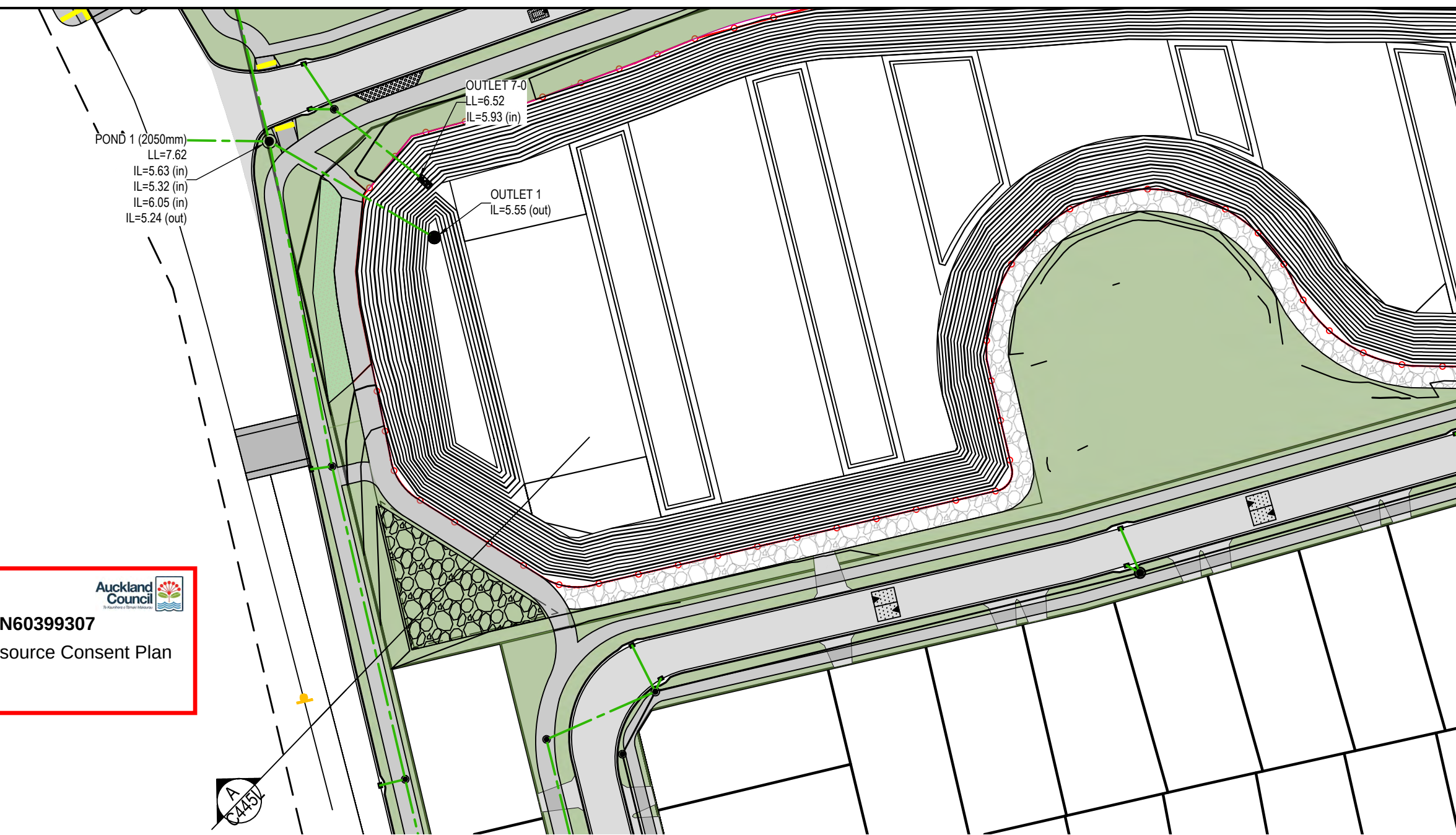
Project
**62, 78 & 80 PAPAKURA -
 CLEVEDON ROAD,
 CLEVEDON, AUCKLAND
 FOR CLEVEDON
 PROPERTIES LTD**

Title
**PROPOSED
 WETLAND
 LEVEL SPREADER DETAIL**

Project no.	194006
Scale	NTS
Cad file	C440- WETLAND.DWG
Drawing no.	C445J
Rev	J

ENGINEERING APPROVAL

Auckland Council
BUN60399307
 Approved Resource Consent Plan
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	By	Date	
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Checked	JP	05/22	



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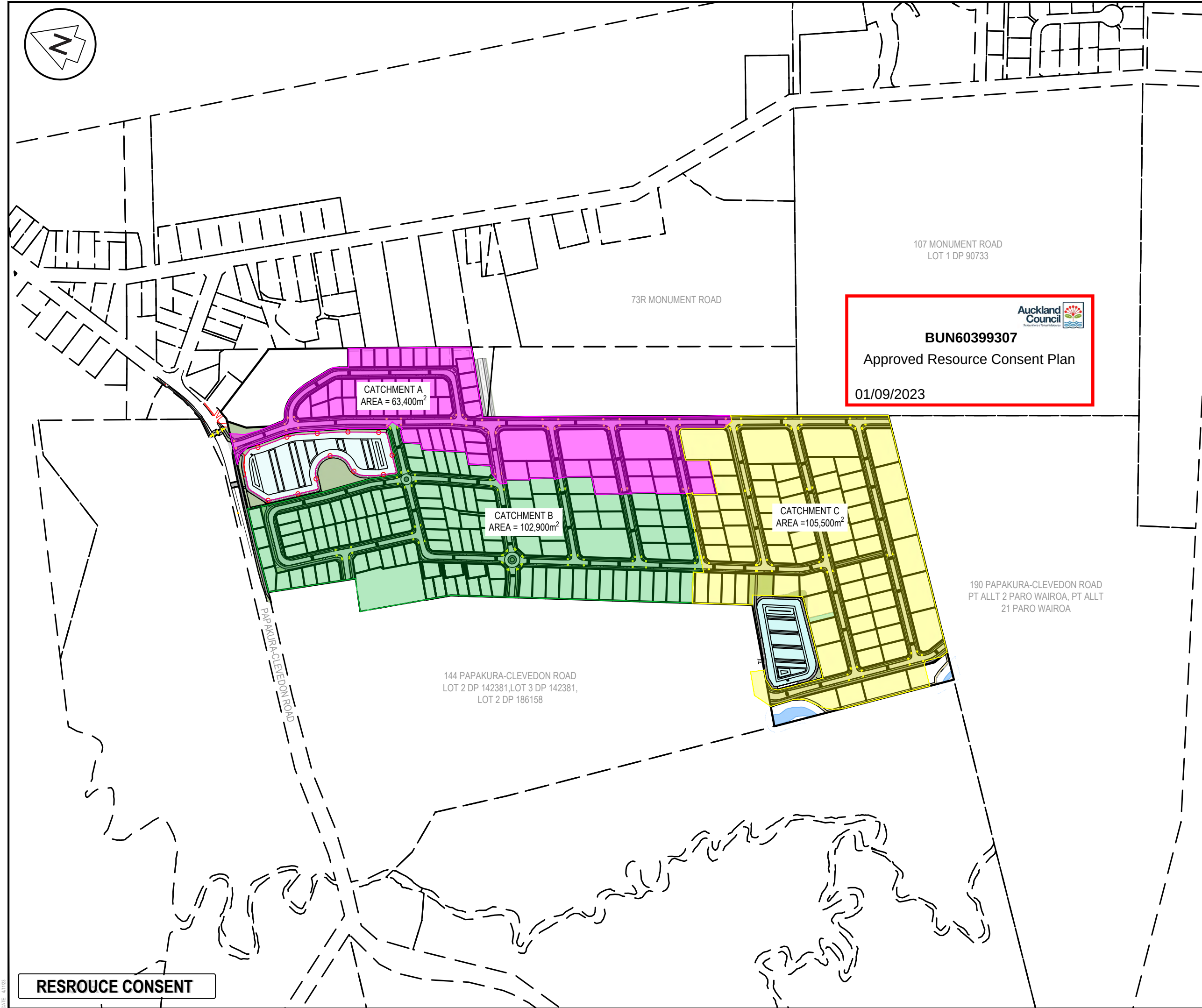
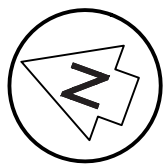
Project
**62, 78 & 80 PAKAPURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**WETLAND
STANDARD DETAILS**

Project no.	194006
Scale	NTS
Cad file	C440- WETLAND.DWG
Drawing no.	C445L
Rev	J

WETLAND A- BRIDAL PATH/ROAD CROSS SECTION
N.T.S

ENGINEERING APPROVAL





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Legend

---	EX BDY
---	PROP BDY
█	PROP CATCHMENT A
█	PROP CATCHMENT B
█	PROP CATCHMENT C

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	JV	01/2022	
Checked	JP	01/2022	



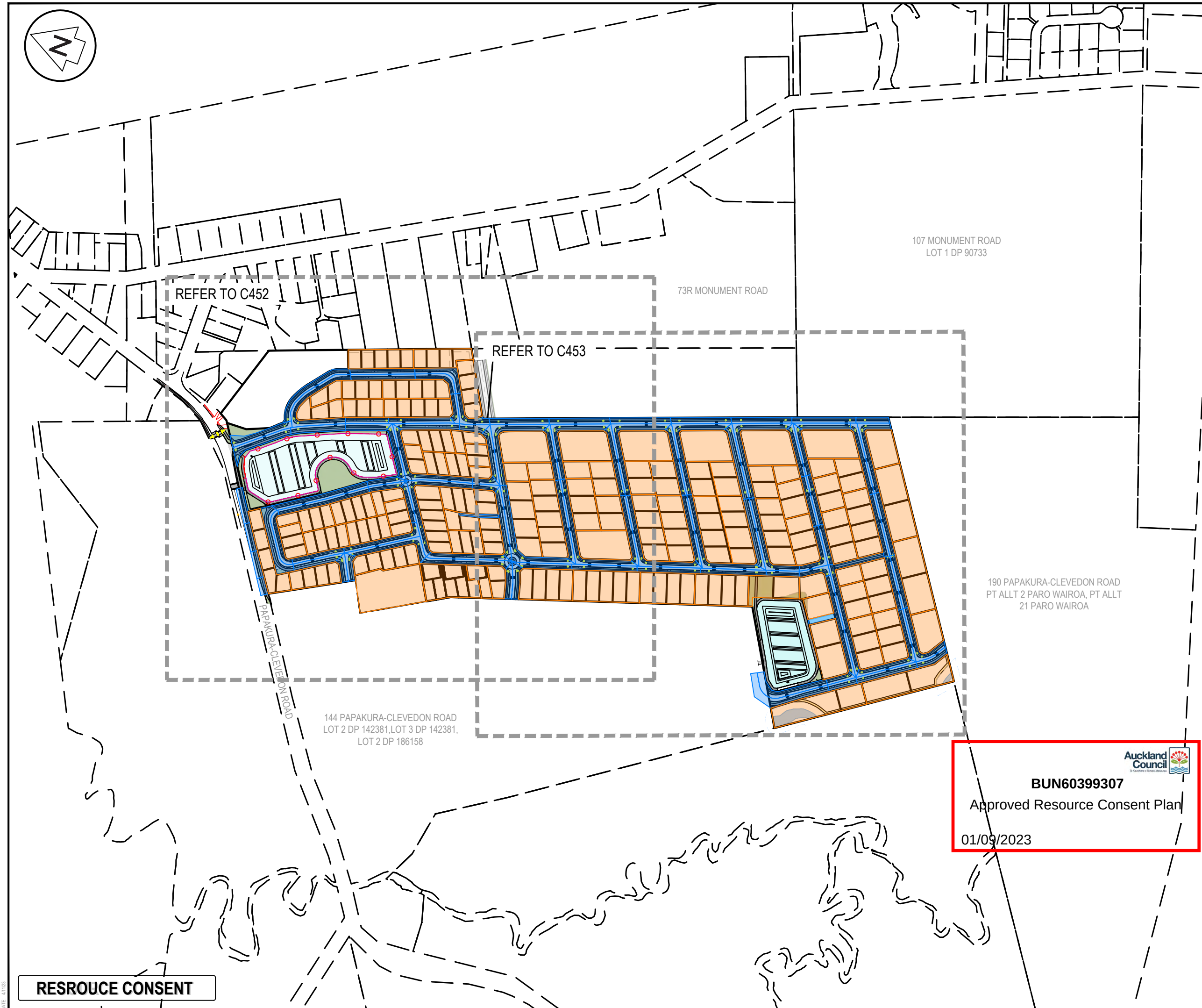
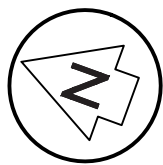
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Project
**62, 78 & 80 PAPA KURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER 10YR
CATCHMENT OVERVIEW PLAN**

Project no.	194006		
Scale	1:5000 @ A3		
Cad file	C450- DRAINAGE 10 YEAR CATCHMENT PLAN		
Drawing no.	C450	Rev	H

RESROUCE CONSENT



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Legend

---	EX BDY
---	PROP BDY
	PROP LOT CATCHMENT
	PROP ROAD CATCHMENT

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	JV	01/2022	
Checked	JP	01/2022	



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Approved Resource Consent Plan
01/09/2023

Project
**62, 78 & 80 PAPA KURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER 10 YEAR
CATCHMENT PLAN OVERVIEW**

Project no.	194006
Scale	1:5000 @ A3
Cad file	C450- DRAINAGE 10 YEAR CATCHMENT PLAN.DWG
Drawing no.	C451
Rev	H

RESROUCE CONSENT



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- Legend
- EX BDY
 - PROP BDY
 - PROP LOT CATCHMENT
 - PROP ROAD CATCHMENT

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	JV		01/2022
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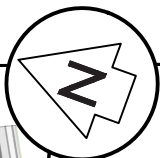
Project
**62, 78 & 80 PAPA KURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER 10 YEAR
CATCHMENT PLAN**

Project no.	194006
Scale	1:2000 @ A3
Cad file	C450- DRAINAGE 10 YEAR CATCHMENT PLAN.DWG
Drawing no.	C452
Rev	H

RESROUCE CONSENT

DATE: 01/09/23



BUN60399307
Approved Resource Consent Plan
01/09/2023



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Legend

---	EX BDY
---	PROP BDY
---	PROP LOT CATCHMENT
---	PROP ROAD CATCHMENT

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	JV	01/2022	
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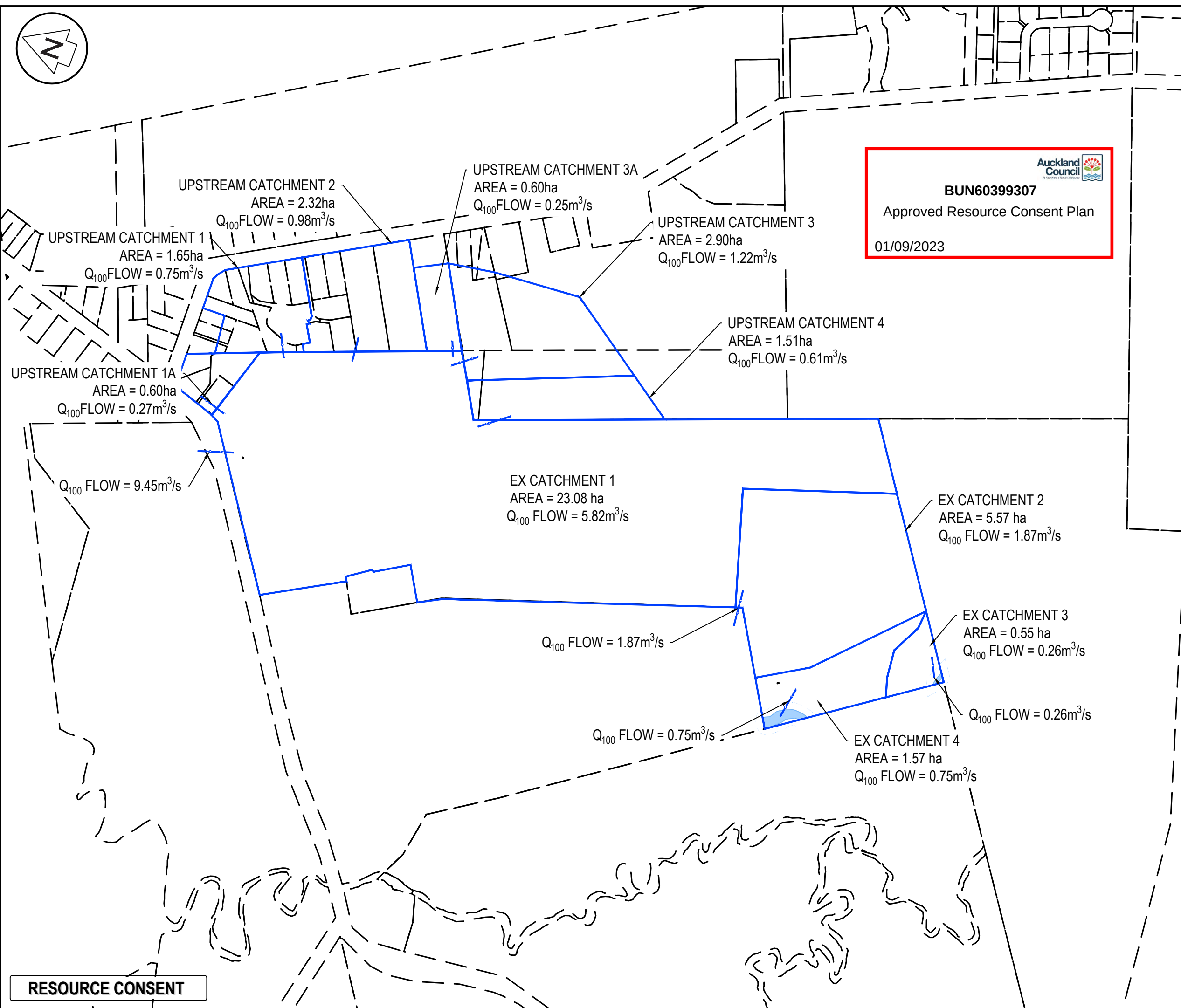
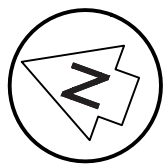
Project
**62, 78 & 80 PAKAPURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
STORMWATER 10 YEAR
CATCHMENT PLAN**

Project no.	194006
Scale	1:2000 @ A3
Cad file	C450- DRAINAGE 10 YEAR CATCHMENT PLAN.DWG
Drawing no.	C453
Rev	H

RESROUCE CONSENT

DATE: 01/09/23



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Legend

---	EX BDY
---	PROP BDY
---	OLFP FLOW

H	S92 RFI	ML	04/2023
G	EPA RFI	JV	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORK		12/2021
Design	JV		01/2022
Drawn	JV		01/2022
Checked	JP		01/2022

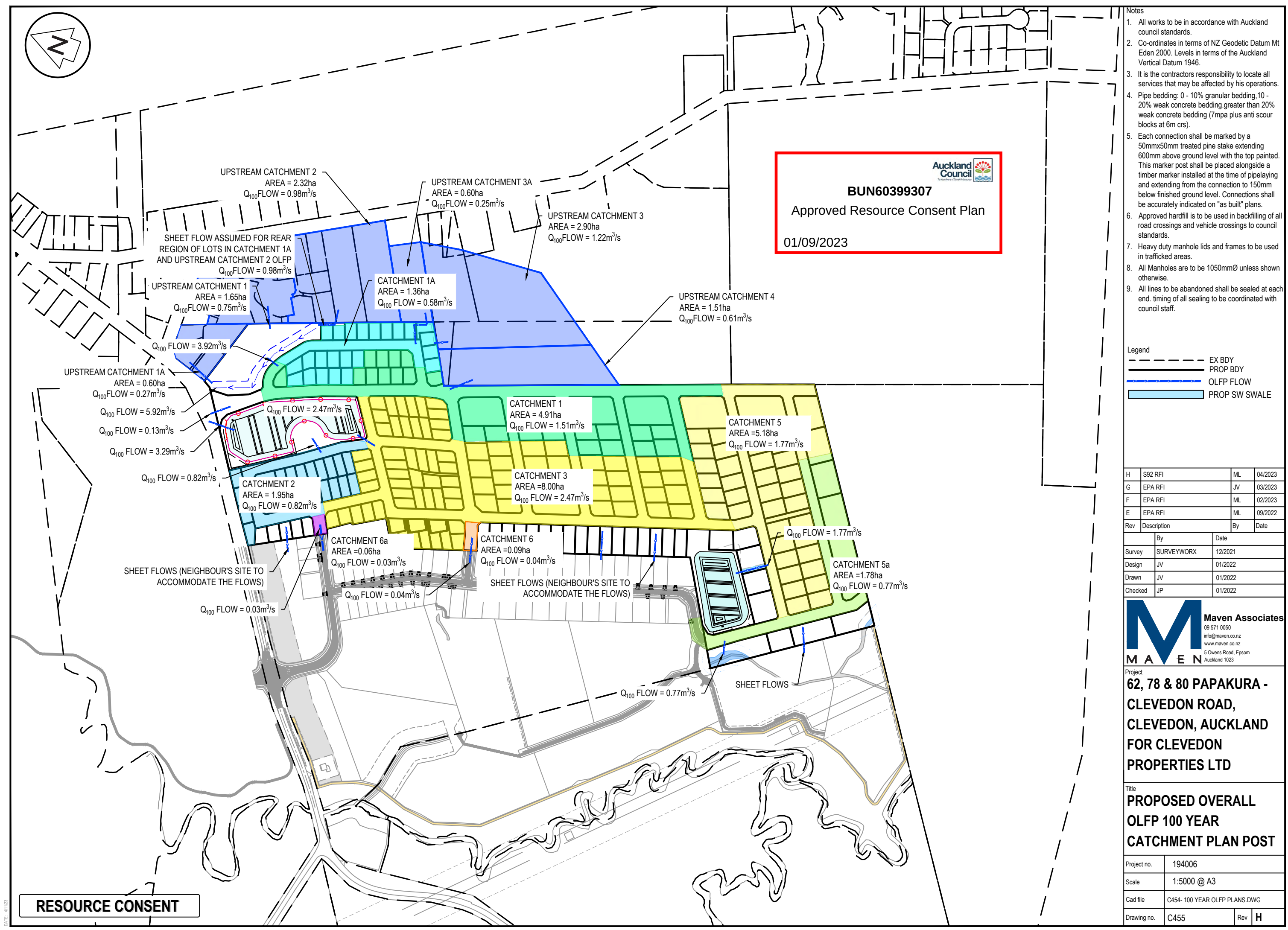


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Project
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FOR CLEVEDON
PROPERTIES LTD**

Title
**EXISTING
OLFP 100 YR
CATCHMENT PLAN PRE**

Project no.	194006		
Scale	1:5000 @ A3		
Cad file	C454- 100 YEAR OLFP PLANS.DWG		
Drawing no.	C454	Rev	H



RESOURCE CONSENT

DATE: 4/11/23

Notes

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Legend

EX BDY
PROP BDY
OLFP FLOW
PROP SW SWALE

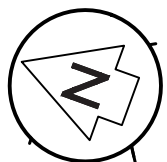
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G	EPA RFI	JV	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	JV	01/2022	
Checked	JP	01/2022	



Project
**62, 78 & 80 PAPAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED OVERALL
OLFP 100 YEAR
CATCHMENT PLAN POST**

Project no.	194006		
Scale	1:5000 @ A3		
Cad file	C454- 100 YEAR OLFP PLANS.DWG		
Drawing no.	C455	Rev	H



BUN60399307

Approved Resource Consent Plan

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Legend

---	EX BDY
---	PROP BDY
---	OLFP FLOW
---	EXISTING RL
---	PROPOSED RL

H	S92 RFI	ML	04/2023
G	EPA RFI	JV	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORK		12/2021
Design	JV		01/2022
Drawn	JV		01/2022
Checked	JP		01/2022



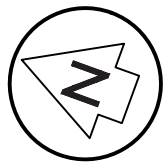
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
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FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
OLFP 100 YEAR
CATCHMENT PLAN**

Project no.	194006
Scale	1:2000 @ A3
Cad file	C454- 100 YEAR OLFP PLANS.DWG
Drawing no.	C456
Rev	H

RESOURCE CONSENT

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5. Each connection shall be marked by a 50mmx50mm treated pine stake extending 600mm above ground level with the top painted. This marker post shall be placed alongside a timber marker installed at the time of pipelaying and extending from the connection to 150mm below finished ground level. Connections shall be accurately indicated on "as built" plans.
6. Approved hardfill is to be used in backfilling of all road crossings and vehicle crossings to council standards.
7. Heavy duty manhole lids and frames to be used in trafficked areas.
8. All Manholes are to be 1050mmØ unless shown otherwise.
9. All lines to be abandoned shall be sealed at each end, timing of all sealing to be coordinated with council staff.

Legend

- EX BDY
--- PROP BDY
--- OLFP FLOW

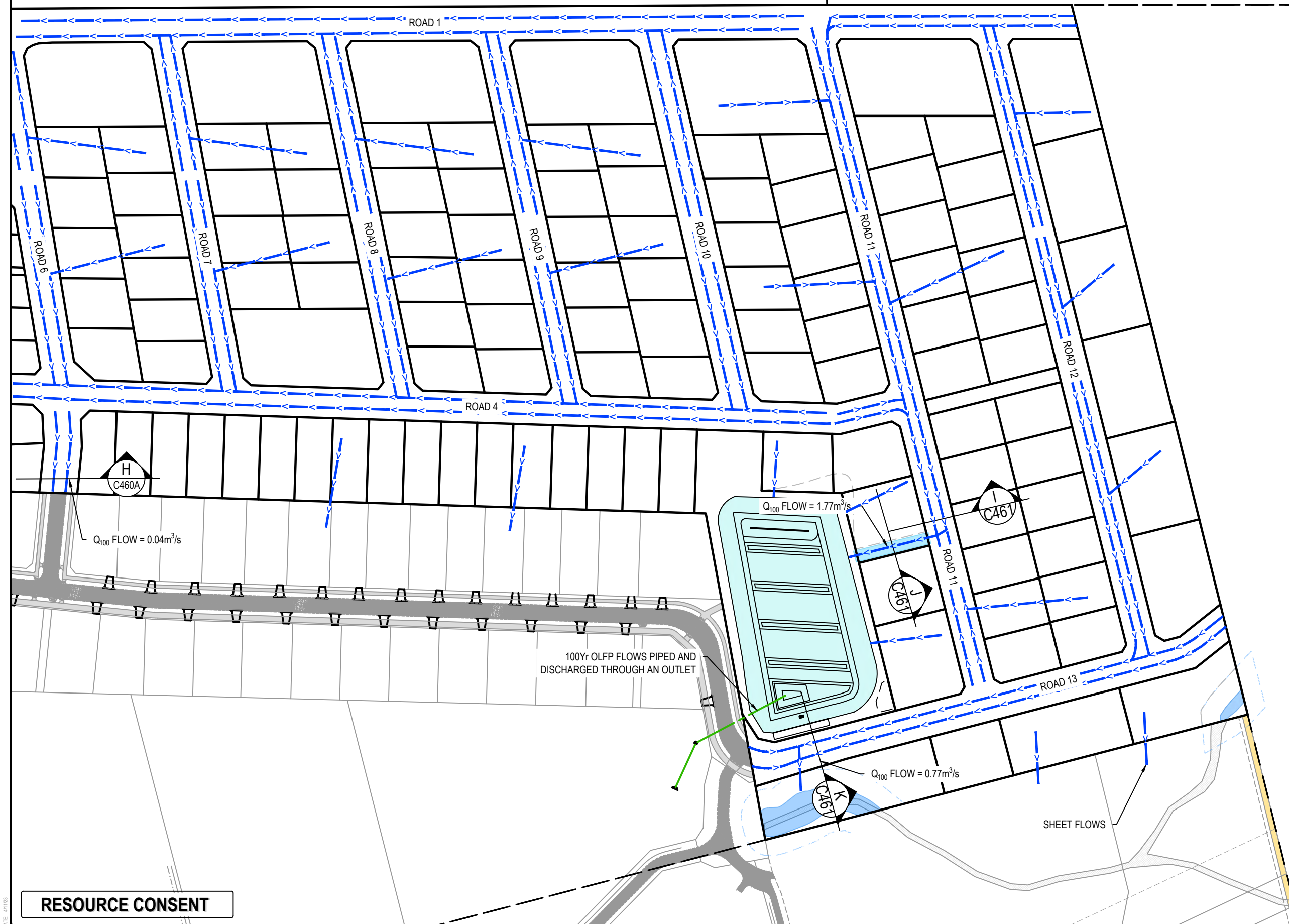
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G	EPA RFI	JV	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORK	12/2021	
Design	JV	01/2022	
Drawn	JV	01/2022	
Checked	JP	01/2022	

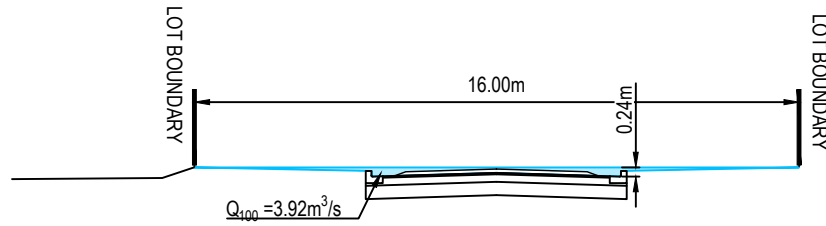


Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

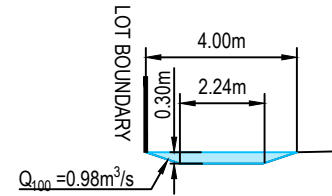
Title
**PROPOSED
OLFP 100 YEAR
CATCHMENT PLAN**

Project no.	194006		
Scale	1:2000 @ A3		
Cad file	C454- 100 YEAR OLFP PLANS.DWG		
Drawing no.	C457	Rev	H

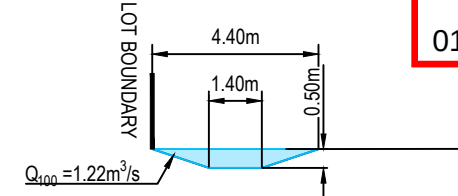




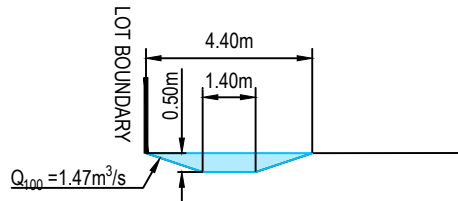
A SECTION A (150mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3



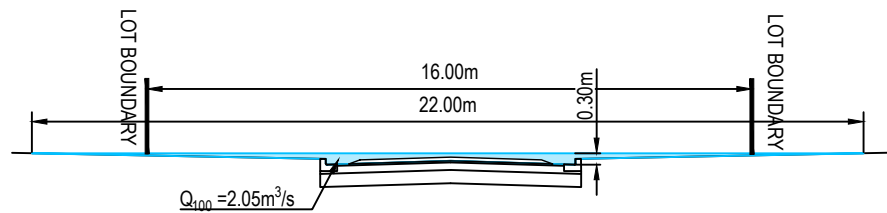
B SECTION B (500mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3



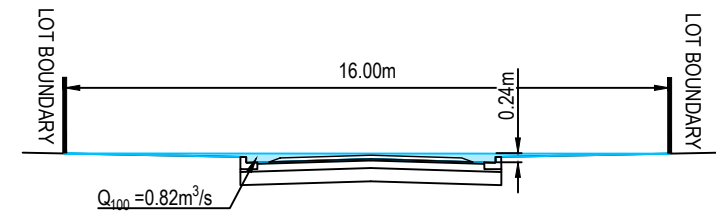
B1 SECTION B1 (500mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3



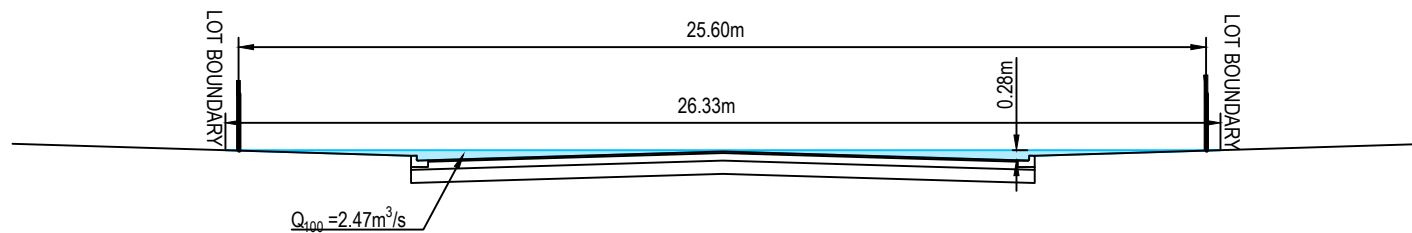
B2 SECTION B2 (500mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3



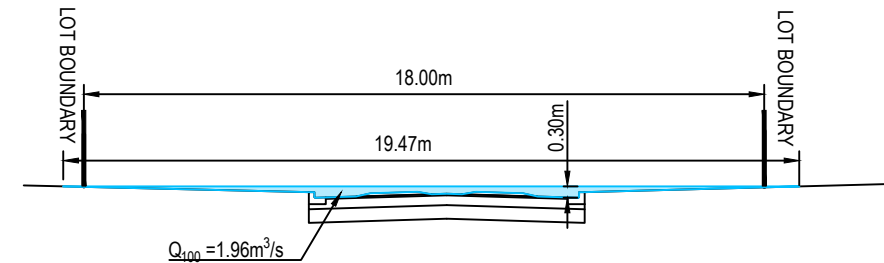
C SECTION C (500mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3



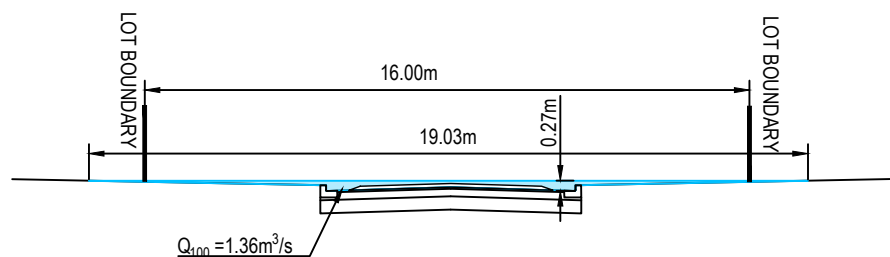
D SECTION D (150mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3



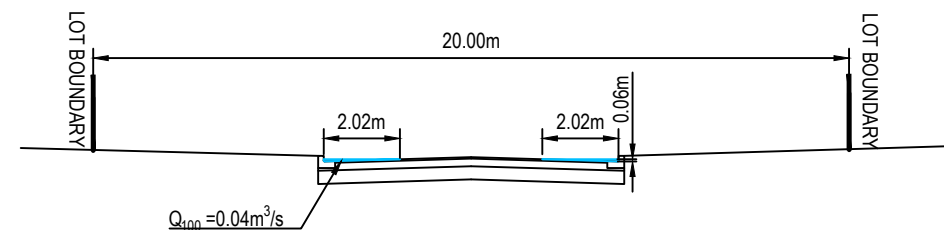
E SECTION E (500mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3



F SECTION F (500mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3



G SECTION G (500mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3



H SECTION H (150mm MIN FREEBOARD)
C456 SCALE 1:200 @ A3

150mm MIN FREEBOARD IF CONTAINED WITHIN THE ROAD CARRIAGEWAY. IF ENCROACHES THE LOT BOUNDARY, THEN 500mm FREEBOARD.

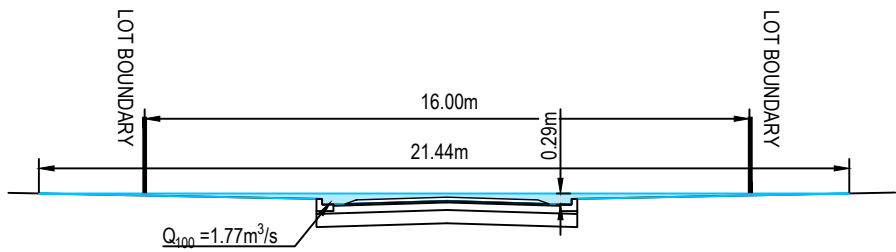
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G	EPA RFI	JV	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/2021
Design	JV		01/2022
Drawn	JV		01/2022
Checked	JP		01/2022

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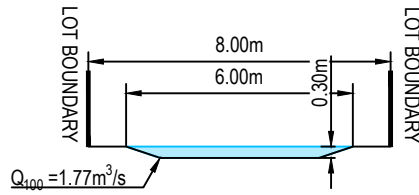
Project
62, 78 & 80 PAKAKURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTIES LTD

Title
PROPOSED OLFP SECTIONS PLAN (1 OF 2)

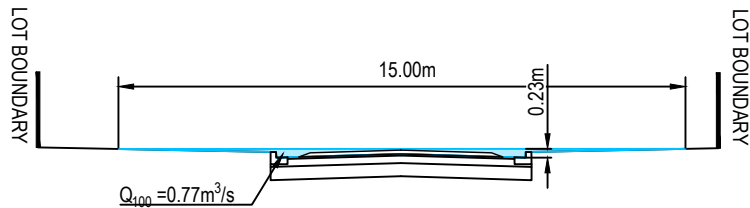
Project no.	194006
Scale	1:200 @ A3
Cad file	C454- 100 YEAR OLFP PLANS.DWG
Drawing no.	C460
Rev	H



SECTION I (500mm MIN FREEBOARD)
SCALE 1:200 @ A3



SECTION J (150mm MIN FREEBOARD)
SCALE 1:200 @ A3



SECTION K (150mm MIN FREEBOARD)
SCALE 1:200 @ A3

H	S92 RFI	ML	04/2023
G	EPA RFI	JV	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	JV	01/2022	
Checked	JP	01/2022	



Project
**62, 78 & 80 PAPA KURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
OLFP SECTIONS
PLAN (2 OF 2)**

Project no.	194006		
Scale	1:200 @ A3		
Cad file	C454- 100 YEAR OLFP PLANS.DWG		
Drawing no.	C461	Rev	H

150mm MIN FREEBOARD IF CONTAINED WITHIN THE
ROAD CARRIAGEWAY. IF ENCROACHES THE LOT
BOUNDARY, THEN 500mm FREEBOARD.



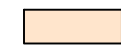
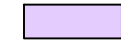
BUN60399307
Approved Resource Consent Plan
01/09/2023

REFER TO C463

REFER TO C464

REFER TO C465

- Notes
1. All works to be in accordance with Auckland council standards.
 2. Co-ordinates in terms of NZ Geodetic Datum Mt Eden 2000. Levels in terms of the Auckland Vertical Datum 1946.
 3. It is the contractors responsibility to locate all services that may be affected by his operations.

- | | |
|---|---------|
|  | STAGE 1 |
|  | STAGE 2 |
|  | STAGE 3 |
|  | STAGE 4 |

I	EPA RFI	ML	08/2023
H	EPA RFI	JV	03/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	JV	02/2023
Rev	Description	By	Date
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Design	JV	01/22	
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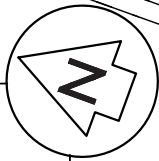
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTOES LTD**

Title
**PROPOSED
MINIMUM FLOOR LEVELS
OVERVIEW PLAN**

Project no.	194006		
Scale	1:5000 @ A3		
Cad file	CLEVEDON MFL.DWG		
Drawing no.	C462	Rev	I

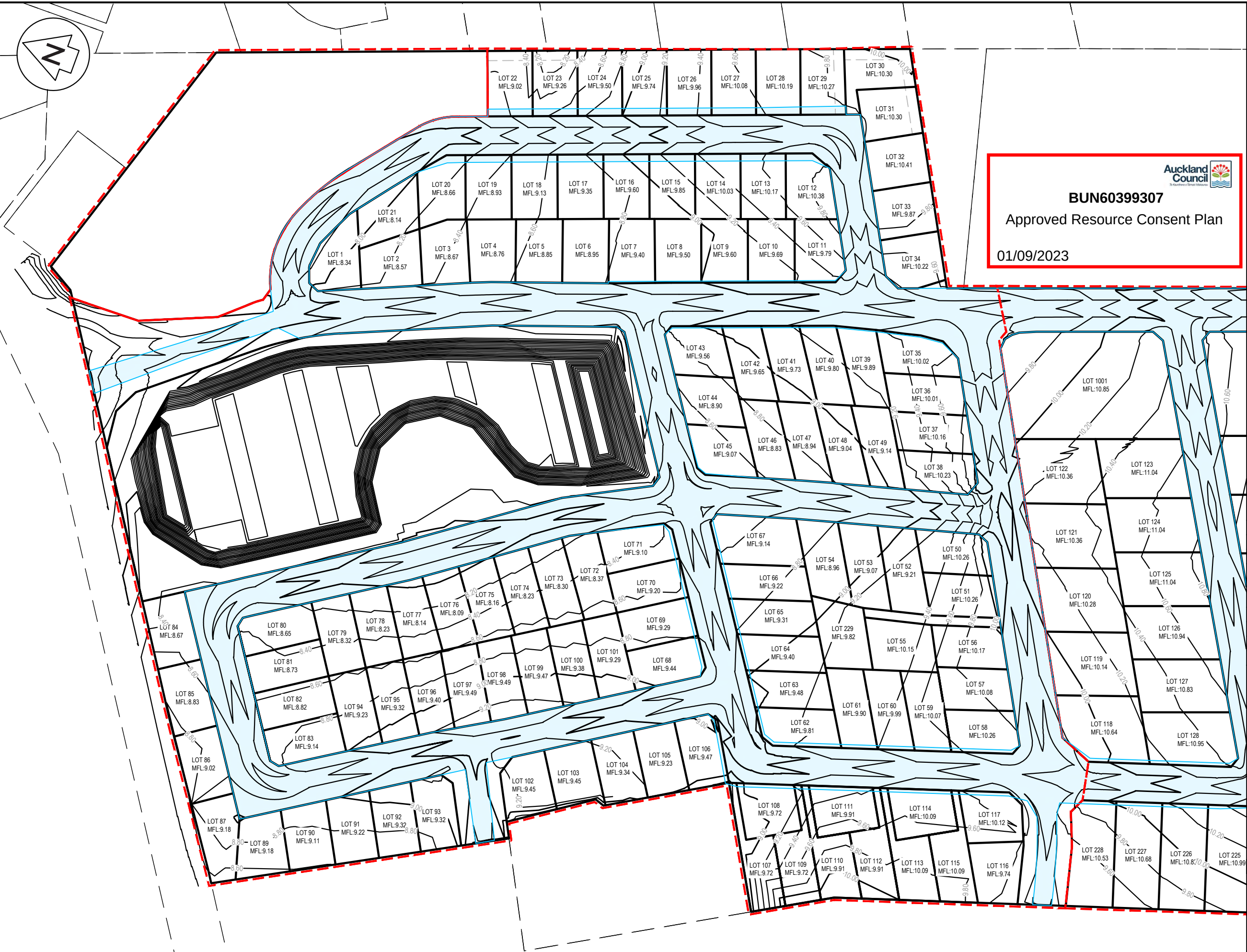
ENGINEERING APPROVAL

DATE: 8/24/23



ENGINEERING APPROVAL

DATE: 8/24/23



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01/09/2023

- Notes
1. All works to be in accordance with Auckland council standards.
 2. Co-ordinates in terms of NZ Geodetic Datum Mt Eden 2000. Levels in terms of the Auckland Vertical Datum 1946.
 3. It is the contractors responsibility to locate all services that may be affected by his operations.
 4. Minimum freeboard to be 150mm above 100 flood level unless stated otherwise.

Legend
 OLFP EXTENT

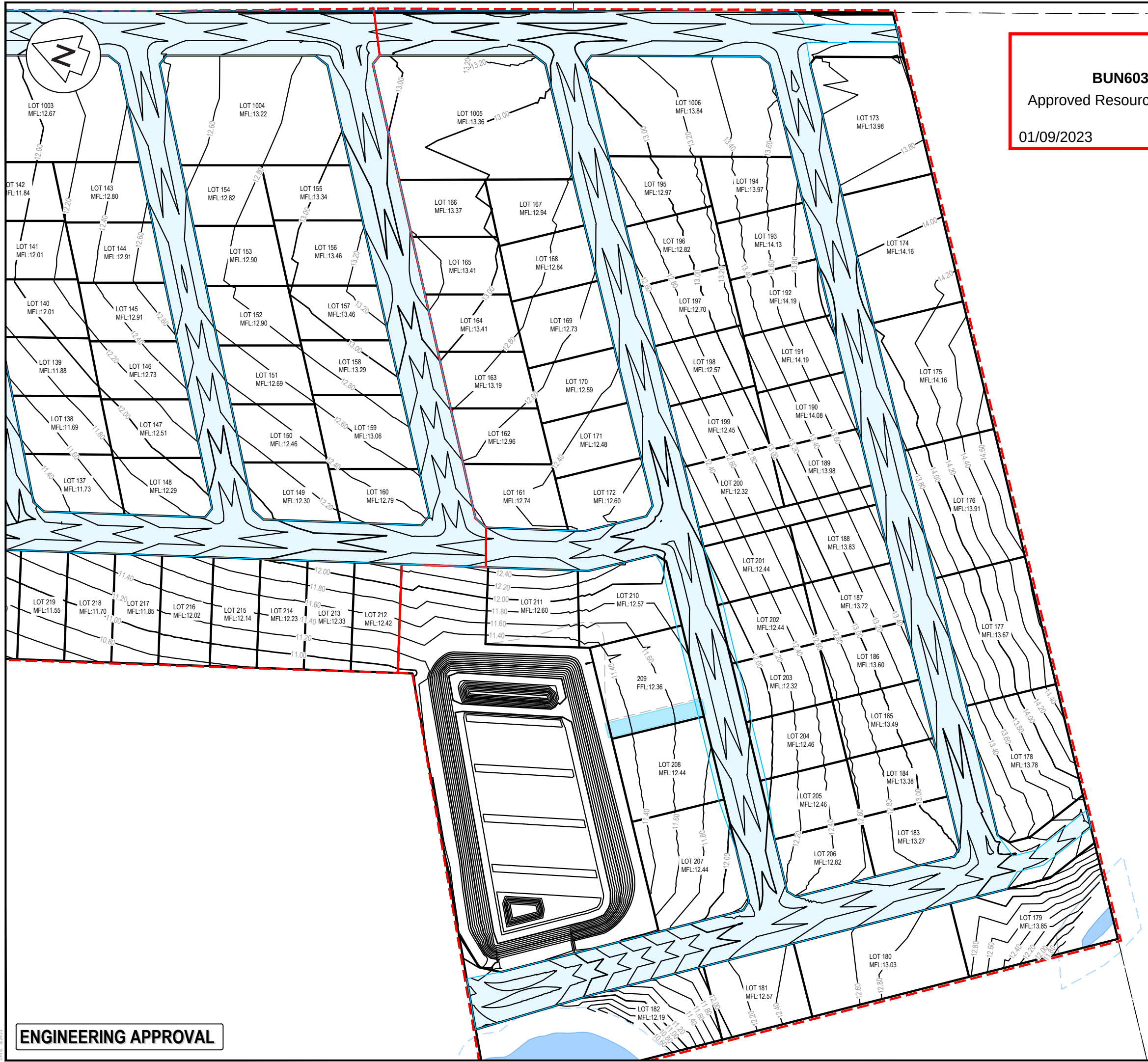
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H	EPA RFI	JV	03/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	JV	02/2023
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/21
Design	JV		01/22
Drawn	JV		01/22
Checked	JP		01/22

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Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTOES LTD**

Title
**PROPOSED
MINIMUM FLOOR LEVELS
PLAN**

Project no.	194006
Scale	1:1500 @ A3
Cad file	CLEVEDON MFL.DWG
Drawing no.	C463
Rev	I



BUN60399307

Approved Resource Consent Plan

01/09/2023

Notes

1. All works to be in accordance with Auckland council standards.
2. Co-ordinates in terms of NZ Geodetic Datum Mt Eden 2000. Levels in terms of the Auckland Vertical Datum 1946.
3. It is the contractors responsibility to locate all services that may be affected by his operations.

Legend



OLFP EXTENT

I	EPA RFI	ML	08/2023
H	EPA RFI	JV	03/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	JV	02/2023
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		12/21
Design	JV		01/22
Drawn	JV		01/22
Checked	JP		01/22



Project
**62, 78 & 80 PAPAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTOES LTD**

Title
**PROPOSED
MINIMUM FLOOR LEVELS
PLAN**

Project no.	194006
Scale	1:1500 @ A3
Cad file	CLEVEDON MFL.DWG
Drawing no.	C465
Rev	I

ENGINEERING APPROVAL

ENGINEERING APPROVAL

Point Table	
LOT NUMBER	MINIMUM FFL
1	8.44m
2	8.57m
3	8.67m
4	8.76m
5	8.85m
6	8.95m
7	9.40m
8	9.50m
9	9.60m
10	9.69m
11	9.79m
12	10.38m
13	10.17m
14	10.03m
15	9.85m
16	9.60m
17	9.35m
18	9.13m
19	8.93m
20	8.66m
21	8.14m
22	9.02m
23	9.26m
24	9.50m
25	9.74m
26	9.96m
27	10.08m
28	10.19m
29	10.27m
30	10.30m
31	10.30m
32	10.41m
33	9.87m
34	10.22m
35	10.02m
36	10.01m
37	10.16m
38	10.23m
39	9.89m
40	9.80m

Point Table	
LOT NUMBER	MINIMUM FFL
41	9.73m
42	9.65m
43	9.56m
44	8.90m
45	9.07m
46	8.83m
47	8.94m
48	9.04m
49	9.14m
50 & 51	10.26m
52	9.21m
53	9.07m
54	8.96m
55	10.15m
56	10.17m
57	10.08m
58	10.26m
59	10.07m
60	9.99m
61	9.90m
62	9.81m
63	9.48m
64	9.40m
65	9.31m
66	9.22m
67	9.14m
68	9.44m
69	9.29m
70	9.20m
71	9.10m
72	8.37m
73	8.30m
74	8.23m
75	8.16m
76	8.09m
77	8.14m
78	8.23m
79	8.32m
80	8.65m
81	8.73m

Point Table	
LOT NUMBER	MINIMUM FFL
82	8.82m
83	9.14m
84	8.67m
85	8.83m
86	9.02m
87 & 89	9.18m
90	9.11m
91	9.22m
92 & 93	9.32m
94	9.23m
95	9.32m
96	9.40m
97 & 98	9.49m
99	9.47m
100	9.38m
101	9.29m
102 & 103	9.45m
104	9.34m
105	9.23m
106	9.47m
107, 108 & 109	9.72m
110, 111 & 112	9.91m
113, 114 & 115	10.09m
116	9.74m
117	10.12m
118	10.64m
119	10.14m
120	10.28m
121 & 122	10.36m
123 & 124	11.04m
125	11.04m
126	10.94m
127	10.83m
128	10.95m
129	10.91m
130	11.04m
131 & 132	11.13m
133	11.82m
134 & 135	12.01m
136	11.88m

Point Table	
LOT NUMBER	MINIMUM FFL
137	11.73m
138	11.69m
139	11.88m
140 & 141	12.01m
142	11.84m
143	12.80m
144 & 145	12.91m
146	12.73m
147	12.51m
148	12.29m
149	12.30m
150	12.46m
151	12.69m
152 & 153	12.90m
154	12.82m
155	13.34m
156 & 157	13.46m
158	13.29m
159	13.06m
160	12.79m
161	12.74m
162	12.96m
163	13.19m
164 & 165	13.41m
166	13.37m
167	12.94m
168	12.84m
169	12.73m
170	12.59m
171	12.48m
172	12.60m
173	13.98m
174 & 175	14.16m
176	13.91m
177	13.67m
178	13.78m
179	13.85m
180	13.03m
181	12.57m
182	12.19m

Point Table	
LOT NUMBER	MINIMUM FFL
183	13.27m
184	13.38m
185	13.49m
186	13.60m
187	13.72m
188	13.83m
189	13.98m
190	14.08m
191 & 192	14.19m
193	14.13m
194	13.97m
195	12.97m
196	12.82m
197	12.70m
198	12.57m
199	12.45m
200	12.32m
201 & 202	12.44m
203	12.32m
204 & 205	12.46m
206	12.82m
208 & 207	12.44m
209	12.36m
210	12.57m
211	12.60m
212	12.42m
213	12.33m
214	12.23m
215	12.14m
216	12.02m
217	11.85m
218	11.70m
219	11.55m
220	11.40m
221	11.25m
222	11.09m
223	10.94m
224 & 225	10.99m
226	10.83m
227	10.68m

Point Table	
LOT NUMBER	MINIMUM FFL
228	10.53m
229	9.82m
1001	10.85m
1002	11.63m
1003	12.67m
1004	13.22m
1005	13.36m
1006	13.84m
5000	11.69m



BUN60399307

Approved Resource Consent Plan

01/09/2023

ADDITIONAL NOTES:

- IN ACCORDANCE WITH AUP:
1. WHERE OVERLAND FLOW PATH IS CONTAINED WITHIN THE ROAD CARRIAGEWAY AND FLOW IS LESS THAN 2m3/s, AS SIMPLIFIED METHOD (AND CONSERVATIVE), MINIMUM FINISHED FLOOR LEVELS HAVE BEEN ESTABLISHED BY ADDING 150MM FREEBOARD TO THE TOP OF KERB LEVEL.
2. WHERE OVERLAND FLOW PATH OVERTOPS THE KERB AND FLOW IS LESS THAN 2m3/sec, MINIMUM FINISHED FLOOR LEVELS HAVE BEEN ESTABLISHED BY ADDING 150MM FREEBOARD TO THE TOP OF THE 100 YEAR FLOOD LEVEL.
3. MINIMUM 500MM FREEBOARD HAS BEEN PROVIDED WHERE FLOWS ARE MORE THAN 2m3/sec AND/OR ENCROACHES THE LOT BOUNDARIES.

- Notes
1. All works to be in accordance with Auckland council standards.
2. Co-ordinates in terms of NZ Geodetic Datum Mt Eden 2000. Levels in terms of the Auckland Vertical Datum 1946.
3. It is the contractors responsibility to locate all services that may be affected by his operations.

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H	EPA RFI	JV	03/2023
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F	EPA RFI	JV	02/2023
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/21	
Design	JV	01/22	
Drawn	JV	01/22	
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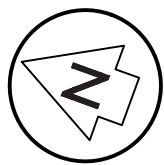
Project

62, 78 & 80 PAPAURA - CLEVEDON ROAD, CLEVEDON, AUCKLAND FOR CLEVEDON PROPERTOES LTD

Title

PROPOSED MINIMUM FLOOR LEVELS TABLE

Project no.	194006		
Scale	-		
Cad file	CLEVEDON MFL.DWG		
Drawing no.	C466	Rev	I



BUN60399307

Approved Resource Consent Plan

01/09/2023

REFER TO C471

REFER TO C472

RESOURCE CONSENT

Notes

1. All works to be in accordance with Auckland council standards.
2. Co-ordinates in terms of NZ Geodetic Datum Mt Eden 2000. Levels in terms of the Auckland Vertical Datum 1946.
3. It is the contractors responsibility to locate all services that may be affected by his operations.
4. Pipe bedding: 0 - 10% granular bedding, 10 - 20% weak concrete bedding, greater than 20% weak concrete bedding (7mpa plus anti scour blocks at 6m crs).
5. Each connection shall be marked by a 50mmx50mm treated pine stake extending 600mm above ground level with the top painted. This marker post shall be placed alongside a timber marker installed at the time of pipelaying and extending from the connection to 150mm below finished ground level. Connections shall be accurately indicated on "as built" plans.
6. Approved hardfill is to be used in backfilling of all road crossings and vehicle crossings to council standards.
7. Heavy duty manhole lids and frames to be used in trafficked areas.
8. All Manholes are to be 1050mmØ unless shown otherwise.
9. All lines to be abandoned shall be sealed at each end, timing of all sealing to be coordinated with council staff.

Legend

- EX BDY
- PROP BDY
- PROP GPT CATCHMENT

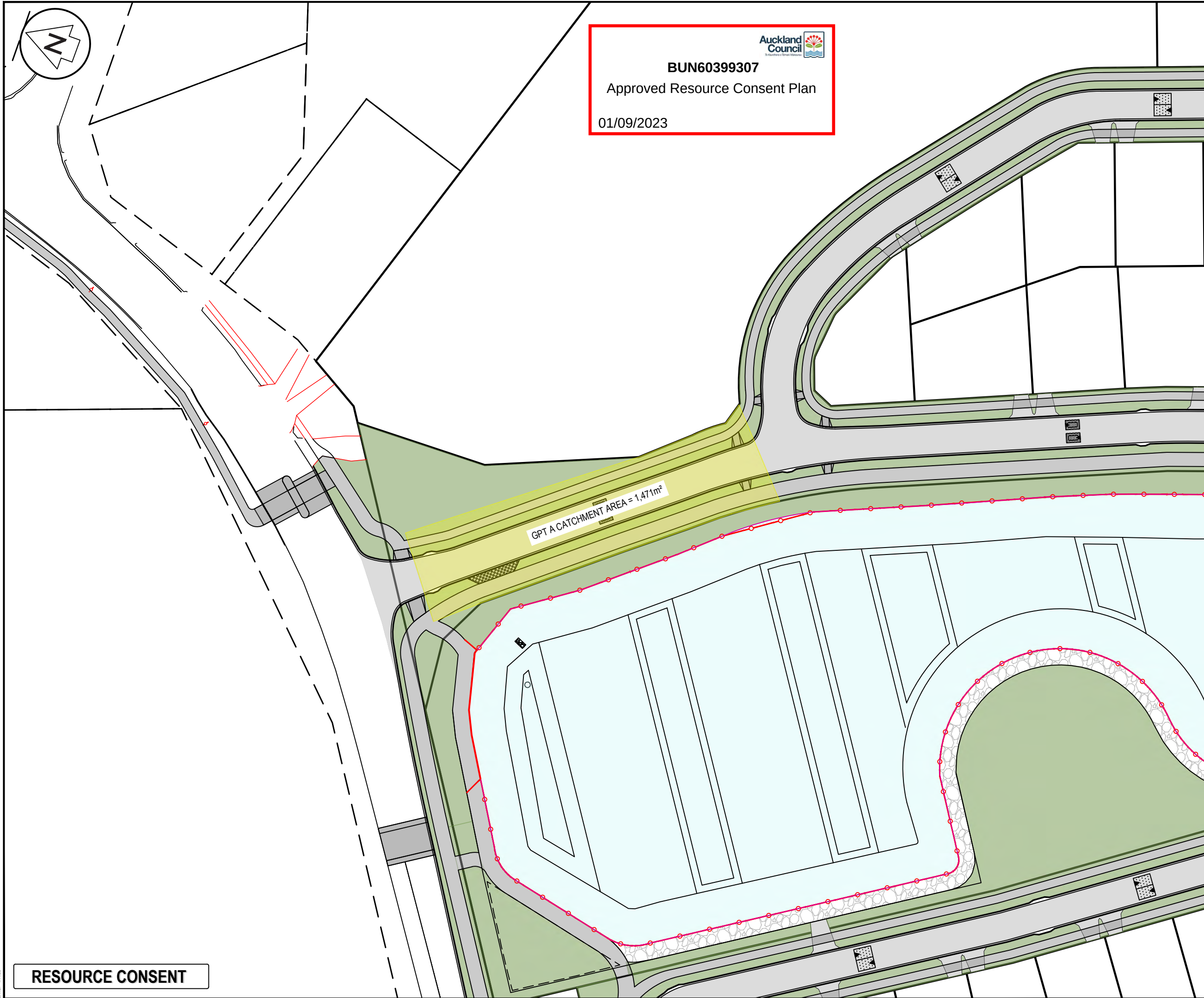
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G	EPA RFI	ML	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	12/2021	
Design	JV	01/2022	
Drawn	JV	01/2022	
Checked	JP	01/2022	



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED GPT
CATCHMENT PLAN
OVERVIEW**

Project no.	194006	Rev	H
Scale	1:5000 @ A3		
Cad file	C470- GPT PLANS.DWG		
Drawing no.	C470	Rev	H





BUN60399307
Approved Resource Consent Plan
01/09/2023

- Notes
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 7. Heavy duty manhole lids and frames to be used in trafficked areas.
 8. All Manholes are to be 1050mmØ unless shown otherwise.
 9. All lines to be abandoned shall be sealed at each end. timing of all sealing to be coordinated with council staff.

Legend

---	EX BDY
---	PROP BDY
	PROP GPT CATCHMENT

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
	Survey	SURVEYWORX	12/2021
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	Drawn	JV	01/2022
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Auckland 1023

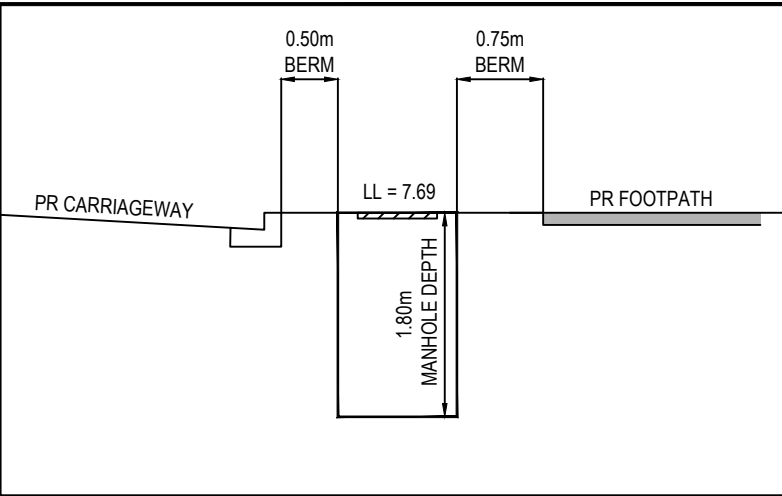
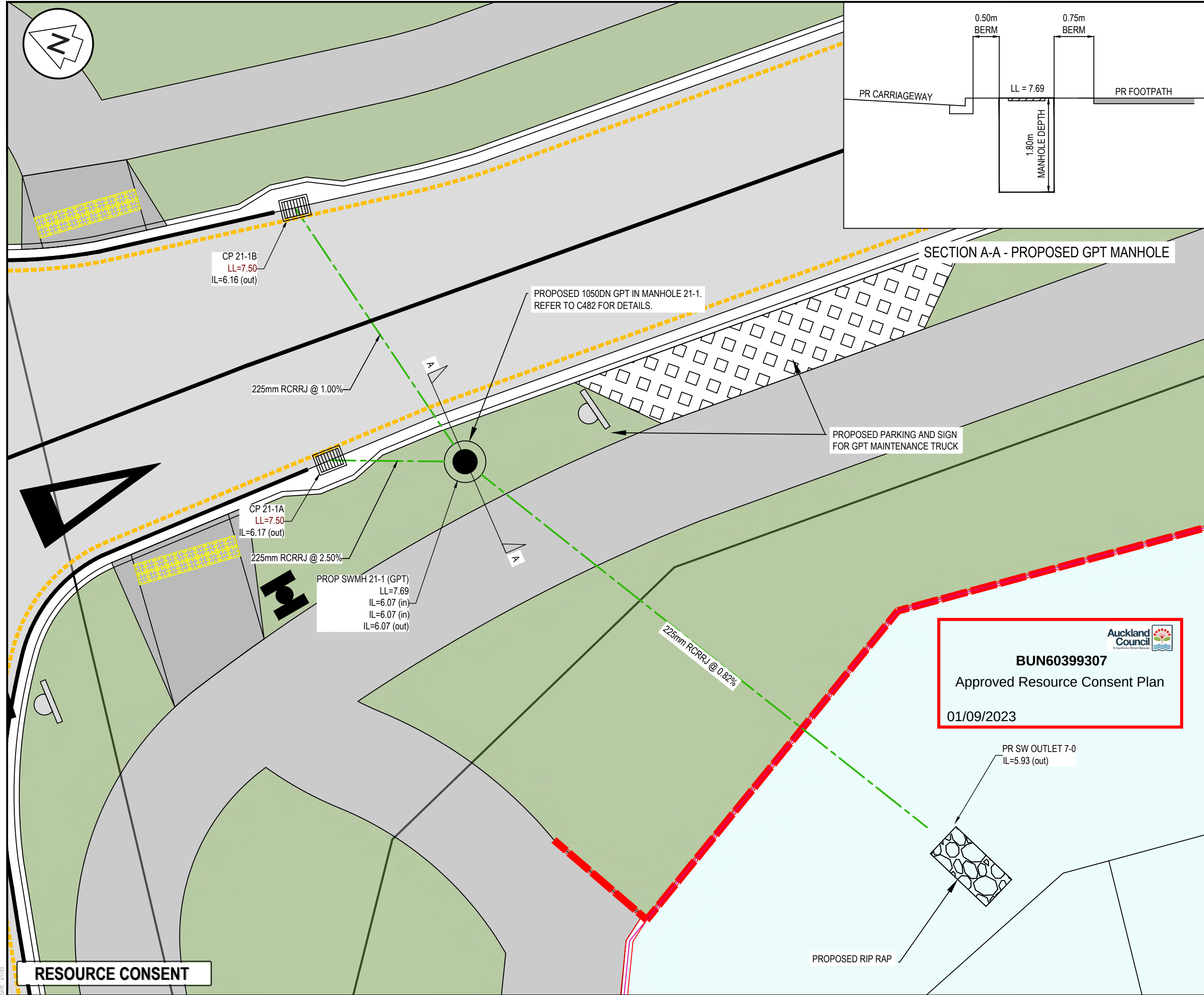
Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED GPT A
CATCHMENT PLAN**

Project no.	194006		
Scale	1:750 @ A3		
Cad file	C470- GPT PLANS.DWG		
Drawing no.	C471	Rev	H

DATE: 4/1/23

RESOURCE CONSENT



- Notes
1. All works to be in accordance with Auckland council standards.
 2. Co-ordinates in terms of NZ Geodetic Datum Mt Eden 2000. Levels in terms of the Auckland Vertical Datum 1946.
 3. It is the contractors responsibility to locate all services that may be affected by his operations.
 4. Pipe bedding: 0 - 10% granular bedding, 10 - 20% weak concrete bedding, greater than 20% weak concrete bedding (7mpa plus anti scour blocks at 6m crs).
 5. Each connection shall be marked by a 50mmx50mm treated pine stake extending 600mm above ground level with the top painted. This marker post shall be placed alongside a timber marker installed at the time of pipelaying and extending from the connection to 150mm below finished ground level. Connections shall be accurately indicated on "as built" plans.
 6. Approved hardfill is to be used in backfilling of all road crossings and vehicle crossings to council standards.
 7. Heavy duty manhole lids and frames to be used in trafficked areas.
 8. All Manholes are to be 1050mmØ unless shown otherwise.
 9. All lines to be abandoned shall be sealed at each end. timing of all sealing to be coordinated with council staff.

Legend

---	EX BDY
---	PROP BDY
---	PR STORMWATER
---	EX/PROP SWMH
---	PR SWCP SINGLE
---	PR GOBI BLOCKS

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORK		12/2021
Design	JV		01/2022
Drawn	JV		01/2022
Checked	JP		01/2022

Maven Associates
09 571 0050
info@maven.co.nz
www.maven.co.nz
5 Owens Road, Epsom
Auckland 1023

Project
**62, 78 & 80 PAPAURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

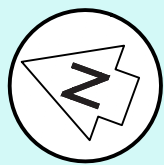
Title
**PROPOSED
GPT A PLAN**

Project no.	194006		
Scale	1:100 @ A3		
Cad file	C470- GPT PLANS.DWG		
Drawing no.	C473	Rev	H

BUN60399307
Approved Resource Consent Plan

01/09/2023

DATE: 4/1/23
RESOURCE CONSENT



BUN60399307

Approved Resource Consent Plan

01/09/2023

PROPOSED 1050DN GPT IN MANHOLE 20-1.
REFER TO C482 FOR DETAILS.

225mm RCRRJ @ 1.00%

CP 20-1B
LL=10.46
IL=9.18 (out)

PROPOSED RIP RAP

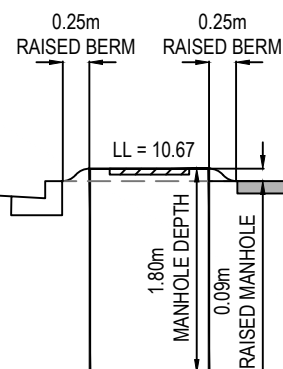
PR SW OUTLET 6-0
IL=9.11 (out)

PROPOSED PARKING AND SIGN
FOR GPT MAINTENANCE TRUCK

PROP SWMH 20-1 (GPT)
LL=10.67
IL=9.16 (in)
IL=9.16 (in)
IL=9.16 (out)

225mm RCRRJ @ 1.00%

CP 20-1A
LL=10.46
IL=9.25 (out)



SECTION B-B - PROPOSED RAISED GPT MANHOLE

RESOURCE CONSENT

Notes

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Legend

---	EX BDY
---	PROP BDY
---	PR STORMWATER
---	EX/PROP SWMH
---	PR SWCP SINGLE
---	PR SWCP DOUBLE

H	S92 RFI	ML	04/2023
G	EPA RFI	ML	03/2023
F	EPA RFI	ML	02/2023
E	EPA RFI	ML	09/2022
Rev	Description	By	Date

	By	Date
Survey	SURVEYWORX	12/2021
Design	JV	01/2022
Drawn	JV	01/2022
Checked	JP	01/2022



Project
**62, 78 & 80 PAKAKURA -
CLEVEDON ROAD,
CLEVEDON, AUCKLAND
FOR CLEVEDON
PROPERTIES LTD**

Title
**PROPOSED
GPT B PLAN**

Project no.	194006		
Scale	1:100 @ A3		
Cad file	C470- GPT PLANS.DWG		
Drawing no.	C474	Rev	H