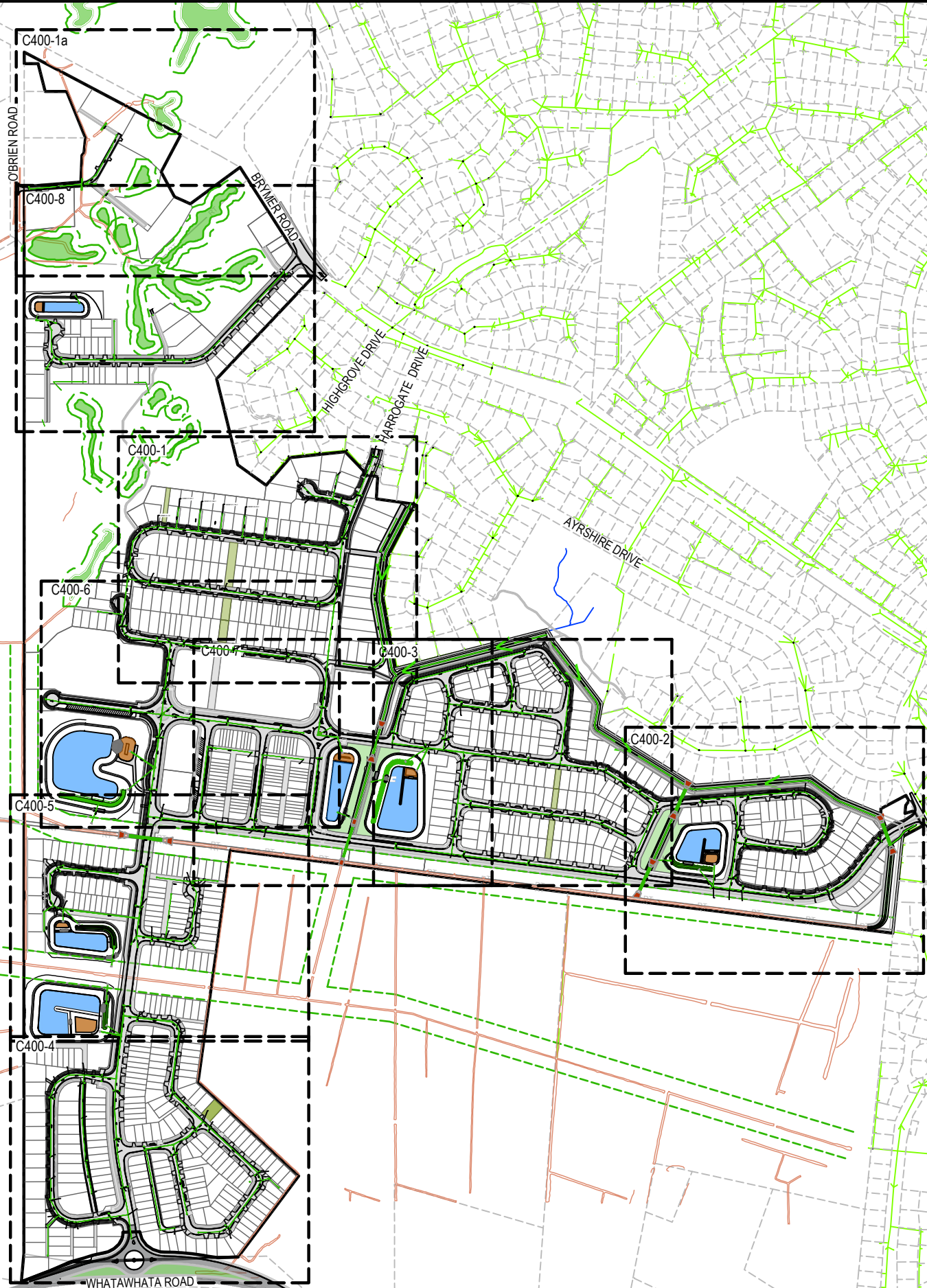




DATE: 8/14/25 FILE PATH: F:\MVEN\HAMILTON\6. PROJECTS\119014- BRYMER FARMS\7. DRAWING\119014-C400-01-STORMWATER.DWG

RESOURCE CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
 2. CO-ORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
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 7. ALL CESSPIT LEADS SHALL HAVE MIN COVER 0.9M.
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 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
	EX STORMWATER
	PR STORMWATER
	EX DRAIN/ CHANNEL
	EX/PROP SWMH
	PROP SWALE
	EXISTING SWALE
	PROP CULVERT
	PROP SW SCRUFFY
	PROP SW OUTLET
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	EX WETLAND WITH 10m BUFFER

A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	AJP		10/2025
Checked			

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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
OVERVIEW PLAN**

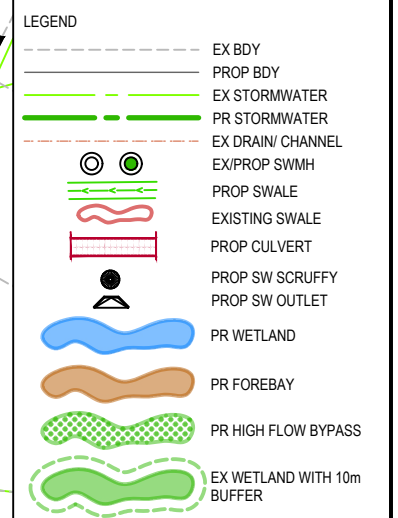
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Scale	1:7500 @ A3		
Cad file	119014-C400-STORMWATER.DWG		
Drawing no.	C400	Rev	A



EX WETLAND
SOUTHERN 12



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	BY		10/2025
Checked			

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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	119014
Scale	1:1250 @ A3
Cad file	119014-C400-STORMWATER.DWG
Drawing no.	C400-1
Rev	A

DATE: 8/4/26 FILEPATH: F:\MVEN\HAMPTON6 PROJECTS\119014-BRYMER FARMS\119014-C400-STORMWATER.DWG



- NOTES
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LEGEND

	EX BDY
	PROP BDY
	EX STORMWATER
	PR STORMWATER
	EX DRAIN/ CHANNEL
	EX/PROP SWMH
	PROP SWALE
	EXISTING SWALE
	PROP CULVERT
	PROP SW SCRUFFY
	PROP SW OUTLET
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	EX WETLAND WITH 10m BUFFER

A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	BY		10/2025
Checked			



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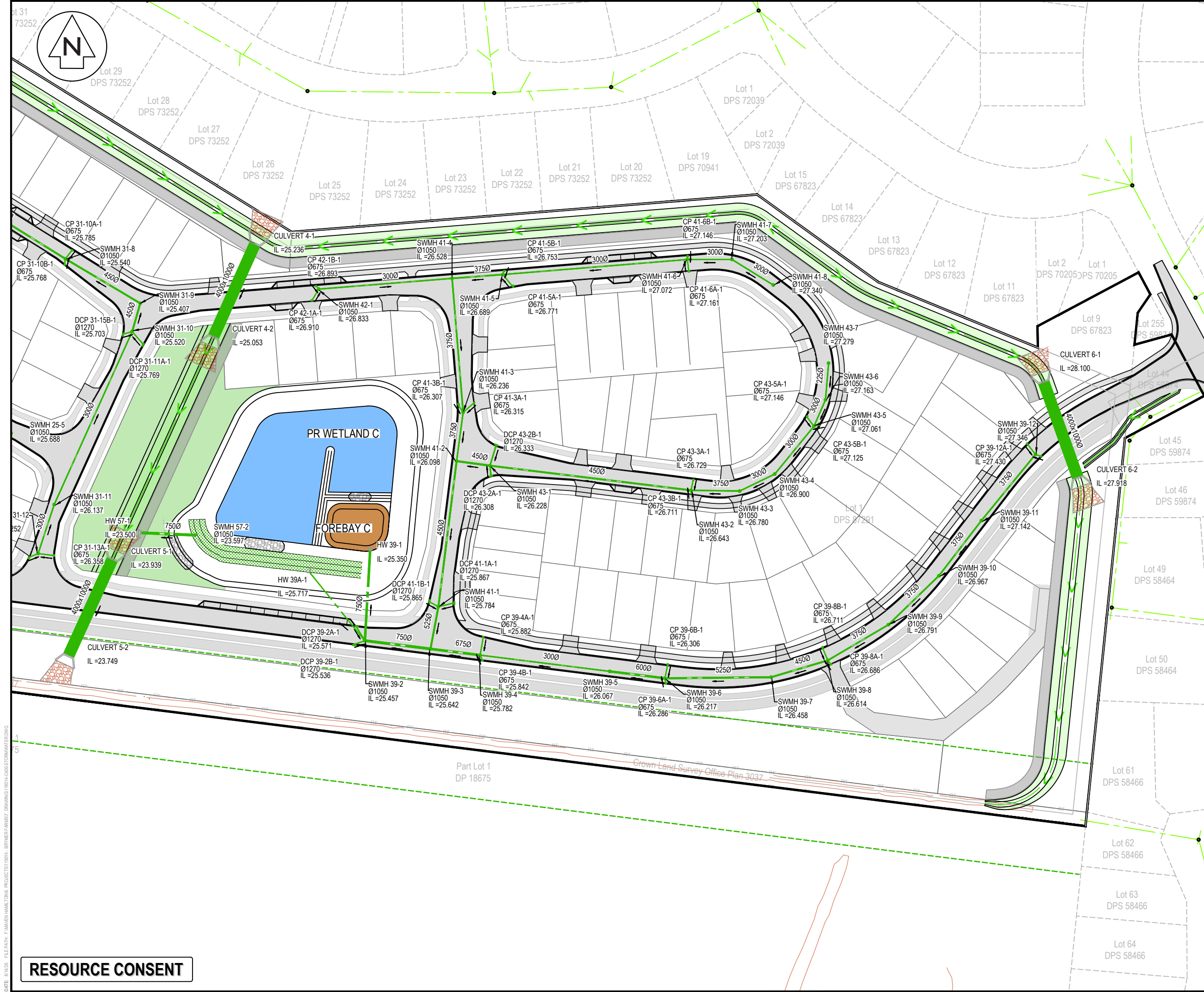
Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	119014
Scale	1:1250 @ A3
Cad file	119014-C400-STORMWATER.DWG
Drawing no.	C400-1A
Rev	A

DATE: 8/10/26 FILEPATH: F:\MVEN\HAMILTON\6. PROJECTS\119014- BRYMER FARMS\7. DRAWING\119014-C400-STORMWATER.DWG

RESOURCE CONSENT



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- EX BDY
- PROP BDY
- EX STORMWATER
- PR STORMWATER
- EX DRAIN/ CHANNEL
- EX/PROP SWMH
- PROP SWALE
- EXISTING SWALE
- PROP CULVERT
- PROP SW SCRUFFY
- PROP SW OUTLET
- PR WETLAND
- PR FOREBAY
- PR HIGH FLOW BYPASS
- EX WETLAND WITH 10m BUFFER

A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	BY		10/2025
Checked			

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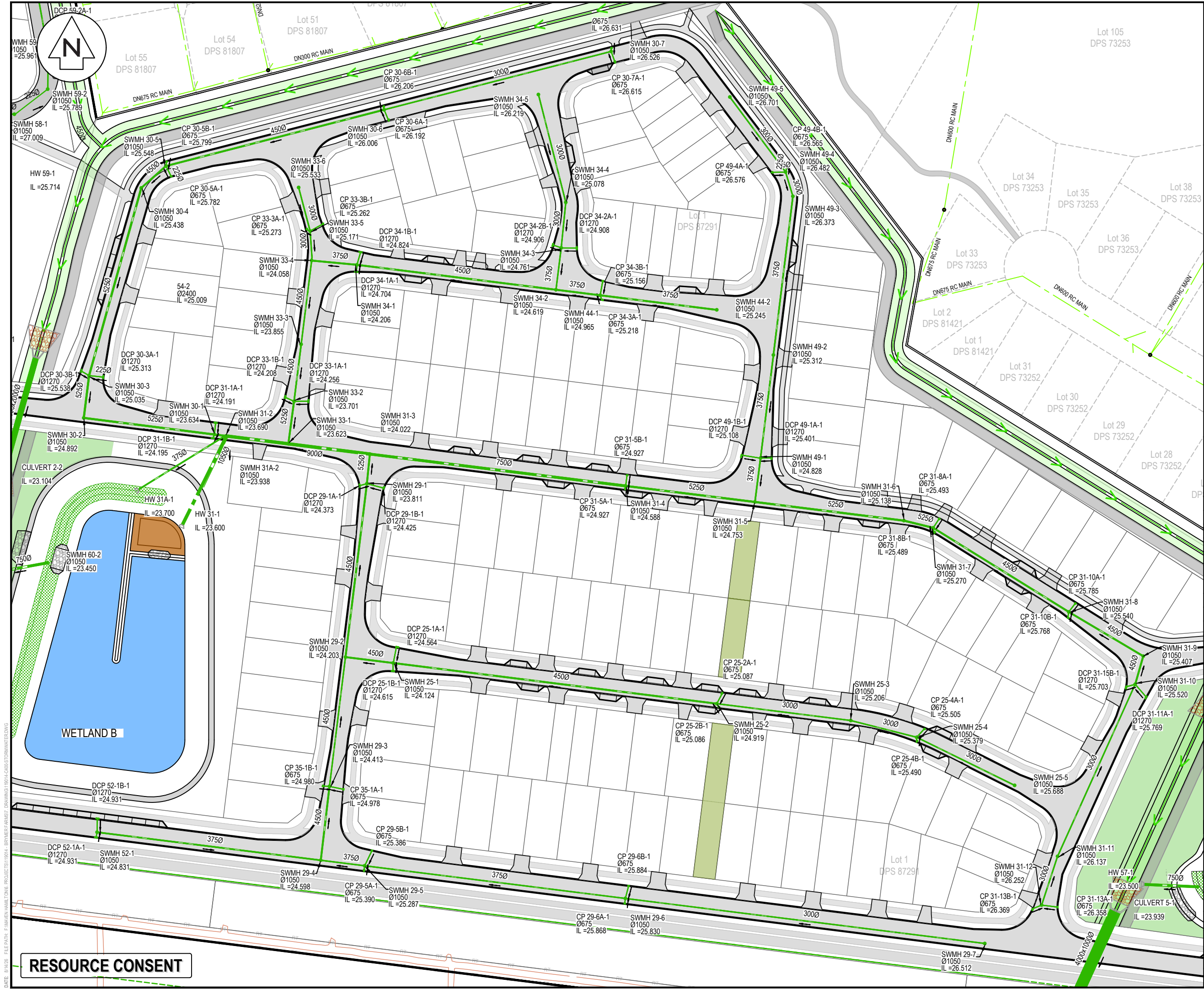
Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	119014
Scale	1:1250 @ A3
Cad file	119014-C400-STORMWATER.DWG
Drawing no.	C400-2
Rev	A

RESOURCE CONSENT

DATE: 8/1/2025 FILEPATH: F:\MVEN\HAMTON6 PROJECTS\119014-BRYMER FARMS\DRAWING\119014-C400-STORMWATER.DWG



- NOTES
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	EX BDY
	PROP BDY
	EX STORMWATER
	PR STORMWATER
	EX DRAIN/ CHANNEL
	EX/PROP SWMH
	PROP SWALE
	EXISTING SWALE
	PROP CULVERT
	PROP SW SCRUFFY
	PROP SW OUTLET
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	EX WETLAND WITH 10m BUFFER

A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	BY		10/2025
Checked			

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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	119014
Scale	1:1250 @ A3
Cad file	119014-C400-STORMWATER.DWG
Drawing no.	C400-3
Rev	A

RESOURCE CONSENT

DATE: 8/10/25 FILEPATH: F:\MVEN\HAM1016 PROJECTS\119014-BRYMER FARMS\7 DRAWING\119014-C400-STORMWATER.DWG



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LEGEND

- EX BDY
- PROP BDY
- EX STORMWATER
- PR STORMWATER
- EX DRAIN / CHANNEL
- EX/PROP SWMH
- PROP SWALE
- EXISTING SWALE
- PROP CULVERT
- PROP SW SCRUFFY
- PROP SW OUTLET
- PR WETLAND
- PR FOREBAY
- PR HIGH FLOW BYPASS
- EX WETLAND WITH 10m BUFFER

A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	BY		10/2025
Checked			

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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	119014
Scale	1:1250 @ A3
Cad file	119014-C400-STORMWATER.DWG
Drawing no.	C400-4
Rev	A

Lot 2
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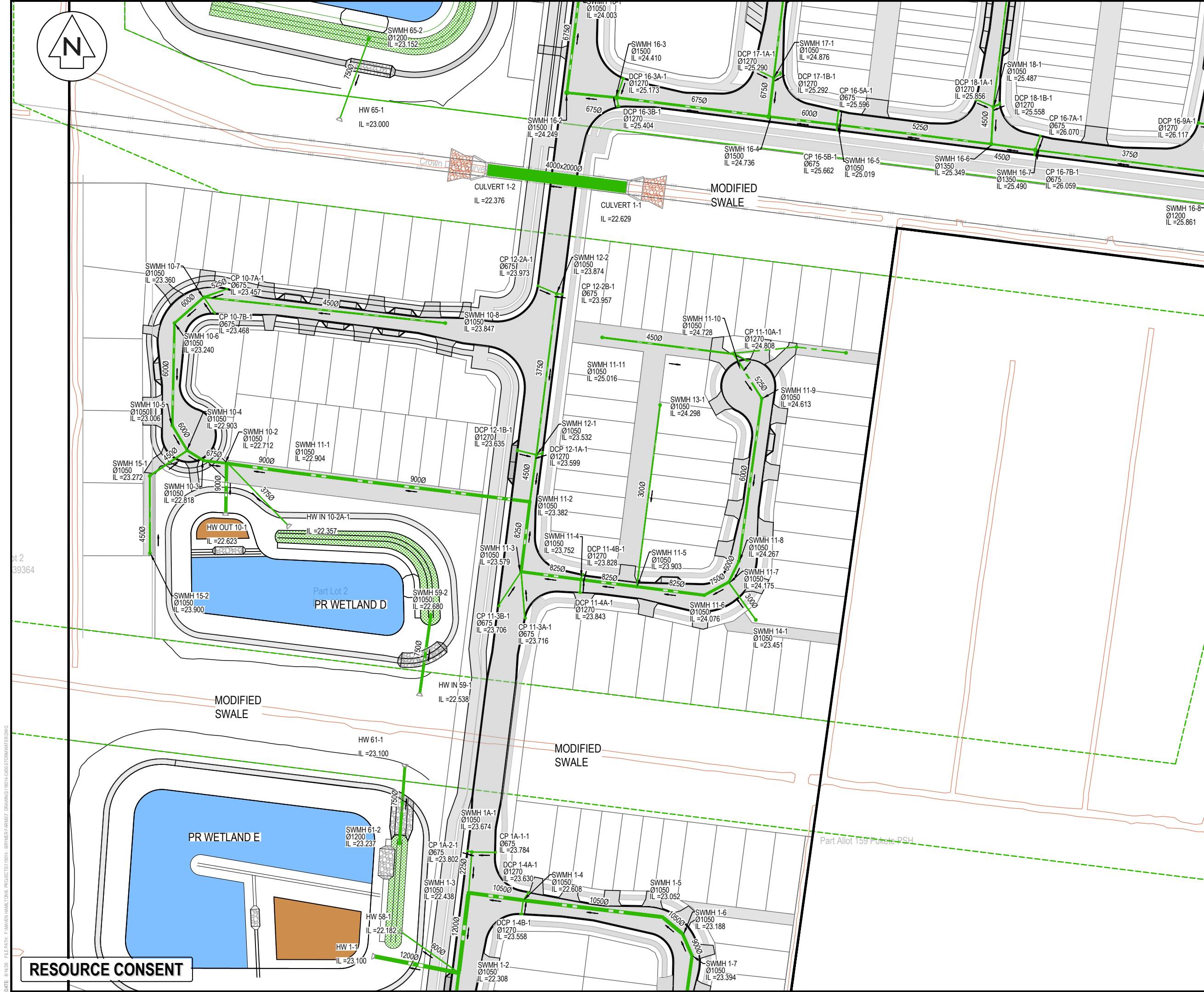
Lot 1
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DATE: 8/10/2025 FILEPATH: F:\MVEN\HAMITON\6. PROJECTS\119014 - BRYMER FARMS\7. DRAWING\119014-C400-STORMWATER.DWG



RESOURCE CONSENT

WHATAWHATA ROAD



- NOTES
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LEGEND

	EX BDY
	PROP BDY
	EX STORMWATER
	PR STORMWATER
	EX DRAIN/ CHANNEL
	EX/PROP SWMH
	PROP SWALE
	EXISTING SWALE
	PROP CULVERT
	PROP SW SCRUFFY
	PROP SW OUTLET
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	EX WETLAND WITH 10m BUFFER

A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	BY		10/2025
Checked			

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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	119014
Scale	1:1250 @ A3
Cad file	119014-C400-STORMWATER.DWG
Drawing no.	C400-5
Rev	A

DATE: 8/10/25 FILEPATH: F:\MVEN\HAMILTON6 - PROJECTS\119014 - BRYMER FARMS\7 DRAWING\119014-C400-STORMWATER.DWG

RESOURCE CONSENT



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- LEGEND
- EX BDY
 - PROP BDY
 - EX STORMWATER
 - PR STORMWATER
 - EX DRAIN/ CHANNEL
 - EX/PROP SWMH
 - PROP SWALE
 - EXISTING SWALE
 - PROP CULVERT
 - PROP SW SCRUFFY
 - PROP SW OUTLET
 - PR WETLAND
 - PR FOREBAY
 - PR HIGH FLOW BYPASS
 - EX WETLAND WITH 10m BUFFER

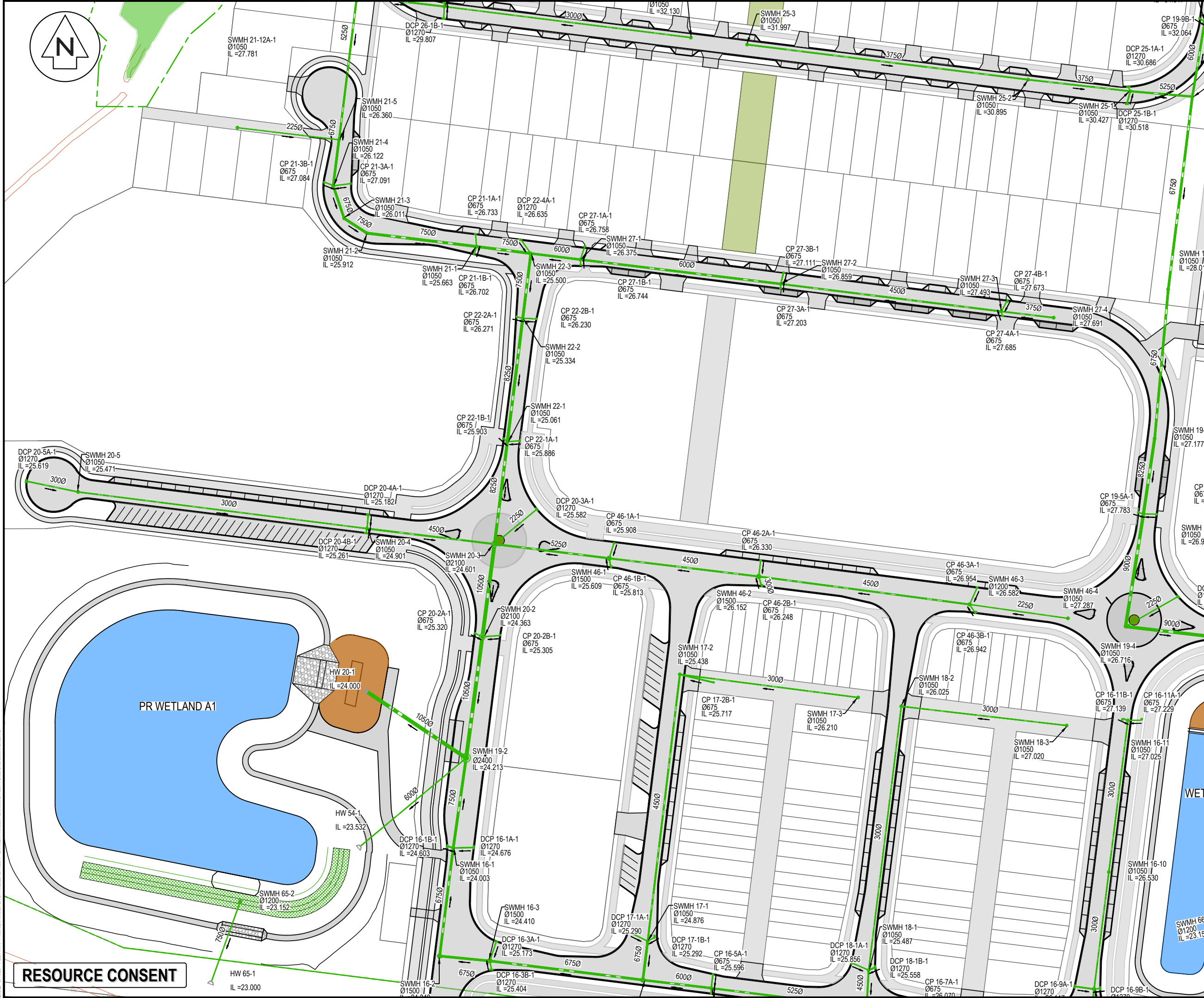
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A	FAST TRACK	TCH	08/2026
Rev	Survey	MAVEN	10/2025
Design	NK		10/2025
Drawn	BY		10/2025
Checked			

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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

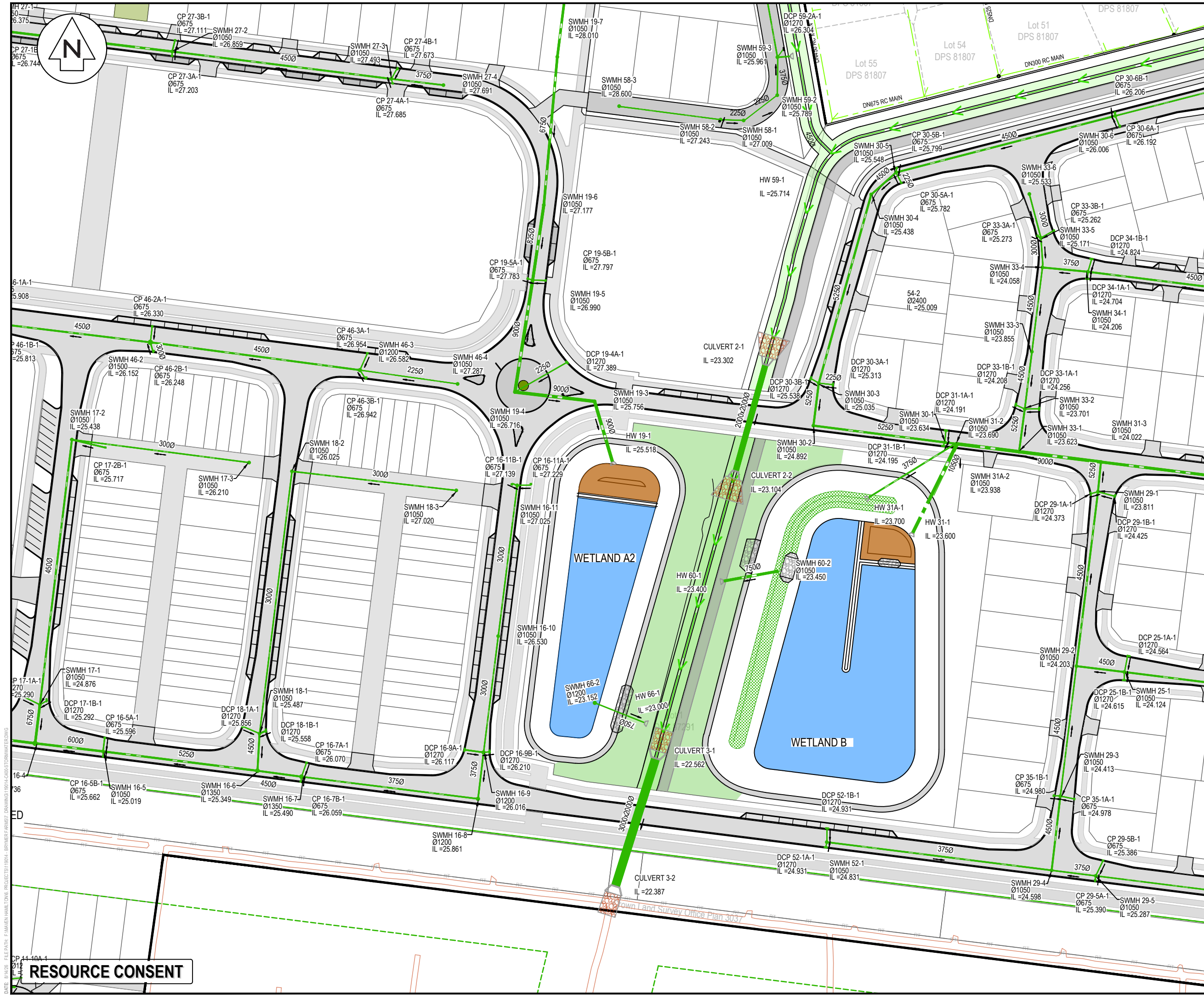
Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	119014
Scale	1:1250 @ A3
Cad file	119014-C400-STORMWATER.DWG
Drawing no.	C400-6
Rev	A



RESOURCE CONSENT

DATE: 8/4/26 FILEPATH: F:\MVEN\HAMILTON6 - PROJECTS\119014 - BRYMER FARMS\DRAWING\119014-C400-STORMWATER.DWG



- NOTES
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LEGEND

	EX BDY
	PROP BDY
	EX STORMWATER
	PR STORMWATER
	EX DRAIN/ CHANNEL
	EX/PROP SWMH
	PROP SWALE
	EXISTING SWALE
	PROP CULVERT
	PROP SW SCRUFFY
	PROP SW OUTLET
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	EX WETLAND WITH 10m BUFFER

A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	BY		10/2025
Checked			

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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	119014
Scale	1:1250 @ A3
Cad file	119014-C400-STORMWATER.DWG
Drawing no.	C400-7
Rev	A

RESOURCE CONSENT



- NOTES
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LEGEND

- EX BDY
- PROP BDY
- EX STORMWATER
- PR STORMWATER
- EX DRAIN/ CHANNEL
- EX/PROP SWMH
- PROP SWALE
- EXISTING SWALE
- PROP CULVERT
- PROP SW SCRUFFY
- PROP SW OUTLET
- PR WETLAND
- PR FOREBAY
- PR HIGH FLOW BYPASS
- EX WETLAND WITH 10m BUFFER

A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	BY		10/2025
Checked			

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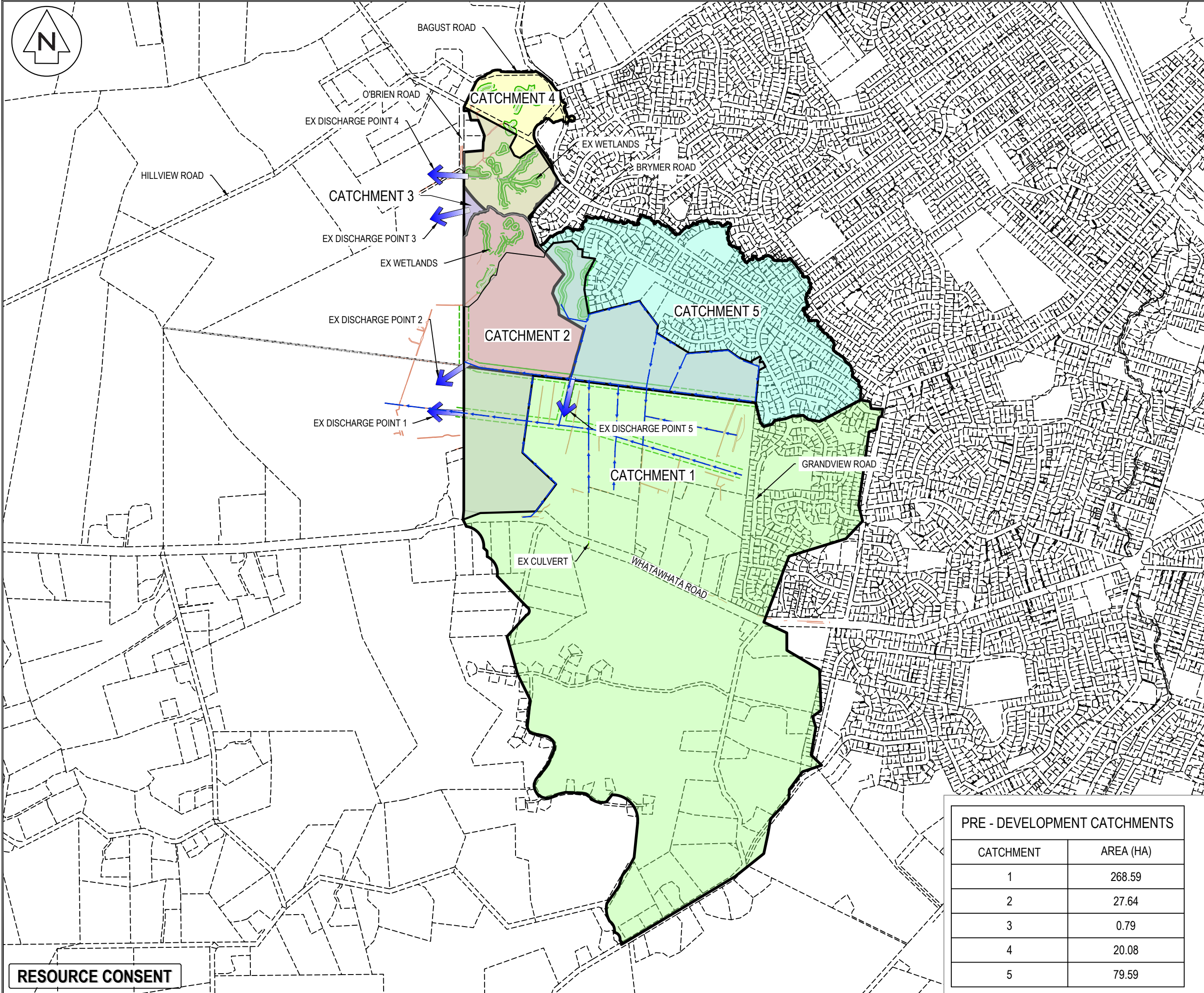
Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	119014
Scale	1:1250 @ A3
Cad file	119014-C400-STORMWATER.DWG
Drawing no.	C400-8
Rev	A

DATE: 8/10/25 FILEPATH: F:\MVEN\HAMILTON\6. PROJECTS\119014 - BRYMER FARMS\7. DRAWING\119014-C400-STORMWATER.DWG

RESOURCE CONSENT



LEGEND

- EX BOUNDARY
- CATCHMENT BDY
- CATCHMENT 1
- CATCHMENT 2
- CATCHMENT 3
- CATCHMENT 4
- CATCHMENT 5
- EX WATER COURSE
- EX WETLAND

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	TCH	10/2025	
Drawn	AJP	10/2025	
Checked			



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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**EXISTING STORMWATER
OVERALL CATCHMENTS
OVERVIEW PLAN**

Project no.	119014		
Scale	1:15000 @ A3		
Cad file	119014-C410-EX SW CATCHMENTS.DWG		
Drawing no.	C410	Rev	A

PRE - DEVELOPMENT CATCHMENTS	
CATCHMENT	AREA (HA)
1	268.59
2	27.64
3	0.79
4	20.08
5	79.59

RESOURCE CONSENT

DATE: 8/4/26 FILE PATH: F:\MAVEN\HAMILTON6 PROJECTS\119014 - BRYMER FARMS\7 DRAWINGS\119014-C410-EX SW CATCHMENTS.DWG



REDUCED EX
CATCHMENT AREA 4

C415-2

C415-1

REDUCED EX
CATCHMENT 5

WHATAWHATA ROAD

REDUCED EX
CATCHMENT 1

BRYMER ROAD

GRANDVIEW ROAD

NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
2. CO-ORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY HIS OPERATIONS.
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6. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
7. ALL CESSPIT LEADS SHALL HAVE MIN COVER 0.9M.
8. ALL LINES ARE TO BE CLASS4 RCRRJ 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 BOUNDARY
- SITE BDY
- CATCHMENT BDY
- PROP LOT BOUNDARY

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	AJP		10/2025
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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STORMWATER
CATCHMENT
OVERVIEW PLAN**

Project no.	119014		
Scale	1:15000 @ A3		
Cad file	119014-C415-PR SW CATCHMENTS.DWG		
Drawing no.	C415	Rev	A

RESOURCE CONSENT



EX SOUTHERN
WETLAND 11

EX SOUTHERN
WETLAND 12

CATCHMENT F3
AREA 0.47ha (REFER
TO TABLE ON 415-2)

CATCHMENT A2

PROPOSED
TREATMENT
SWALE

CATCHMENT A3

CATCHMENT A1

PROPOSED
WETLAND A1

PROPOSED DIVERSION
CHANNEL

CATCHMENT C1

BRYMER ROAD

CATCHMENT B

CATCHMENT C

PROPOSED DIVERSION
CHANNEL

CATCHMENT D

PROPOSED
WETLAND C

PROPOSED
WETLAND A2

PROPOSED
WETLAND B

PROPOSED
WETLAND D

PROPOSED
WETLAND E

CATCHMENT E

WHATAWHATA ROAD

GRANDVIEW ROAD

POST DEVELOPMENT CATCHMENTS		
CATCHMENT	AREA (HA)	DISCHARGE LOCATION
A1	15.64	PROPOSED WET LAND A
A2	5.05	PROPOSED WET LAND A1
A3	1.4	PROPOSED DIVERSION CHANNEL
B	10.78	PROPOSED WET LAND B
C	4.62	PROPOSED WET LAND C
C1	0.14	PROPOSED SWALE
D	4.84	PROPOSED WET LAND D
E	12.28	PROPOSED WET LAND E

NOTES

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LEGEND

- EX BOUNDARY
- SITE BDY
- CATCHMENT BDY
- PROP LOT BOUNDARY

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	AJP		10/2025
Checked			



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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STORMWATER
CATCHMENT
OVERVIEW PLAN**

Project no.	119014
Scale	1:5000 @ A3
Cad file	119014-C415-PR SW CATCHMENTS.DWG
Drawing no.	C415-1
Rev	A

RESOURCE CONSENT



O'BRIEN ROAD

PAPER ROAD

DISCHARGE LIMITED TO
MAINTAIN PRE
DEVELOPMENT FLOWS
WITHIN EXISTING
WETLAND 50

TREATMENT
SWALE/RAINGARDEN
FOR CATCHMENT

DISCHARGE TO EXISTING
WETLAND LIMITED TO
MAINTAIN EXISTING FLOWS
WITHIN EXISTING WETLAND 50

PROPOSED
AQUAFORT DEVICE

CATCHMENT G1

CATCHMENT G2

CATCHMENT G2

EX NORTHERN
WETLAND 50

EX NORTHERN
WETLAND 41

TREATMENT
SWALE/RAINGARDEN
FOR CATCHMENT

EX NORTHERN
WETLAND 42

TREATMENT
SWALE/RAINGARDEN
FOR ROAD CATCHMENT
OF 250 m²

PROPOSED
WETLAND F

CATCHMENT F1

CATCHMENT F2

EX NORTHERN
WETLAND 43

CATCHMENT F6- RESERVOIR AREA
TO BE DISCHARGED AT A
CONTROLLED RATE TO WETLAND 41

AREA DIRECTLY DISCHARGING TO
EXISTING WETLAND LIMITED TO
MAINTAIN EXISTING FLOWS WITHIN
EXISTING WETLAND 42

DISCHARGE LIMITED TO
MAINTAIN PRE DEVELOPMENT
FLOWS WITHIN EXISTING
WETLAND 42

PROPOSED
AQUAFORT
DEVICE

CATCHMENT F5

EX SOUTHERN
WETLAND 11

EX SOUTHERN
WETLAND 12

CATCHMENT F3
Area 0.11ha

CATCHMENT F4

RESOURCE CONSENT

POST DEVELOPMENT CATCHMENTS

CATCHMENT	AREA (HA)	DISCHARGE LOCATION
F1	1.91	PROPOSED WET LAND F
F2	0.28	EX NORT HERN WET LAND 41
F3	0.57	EX SOUT HERN WET LAND 12
F4	0.28	EX SOUT HERN WET LAND 11
F5	0.7	EX NORT HERN WET LAND 42
G1	0.26	PROPOSED WET LAND H
G2	3.0	EX NORT HERN WET LAND 50

NOTES

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LEGEND

---	EX BOUNDARY
---	SITE BDY
---	CATCHMENT BDY
---	PROP LOT BOUNDARY

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	AJP		10/2025
Checked			

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BRYMER FARMS FOR BRYMER FARMS LIMITED

PROPOSED STORMWATER CATCHMENT OVERVIEW PLAN

Project no.	119014
Scale	1:2000 @ A3
Cad file	119014-C415-PR SW CATCHMENTS.DWG
Drawing no.	C415 -2
Rev	A



O'BRIEN ROAD

BRYMER ROAD

TE KOOTII PARK

WHATAWHATA ROAD

- NOTES
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LEGEND

	EX BDY
	PROP BDY
	PR STORMWATER PIPE
	EX SW DRAIN/ CHANNEL
	PROP SWMH
	PROP SW SCRUFFY
	PROP SW OUTLET
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	PR MAINTENANCE TRACK
	ROCK RIP RAP
	EX WETLAND WITH 10m BUFFER

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER WETLAND
OVERVIEW PLAN**

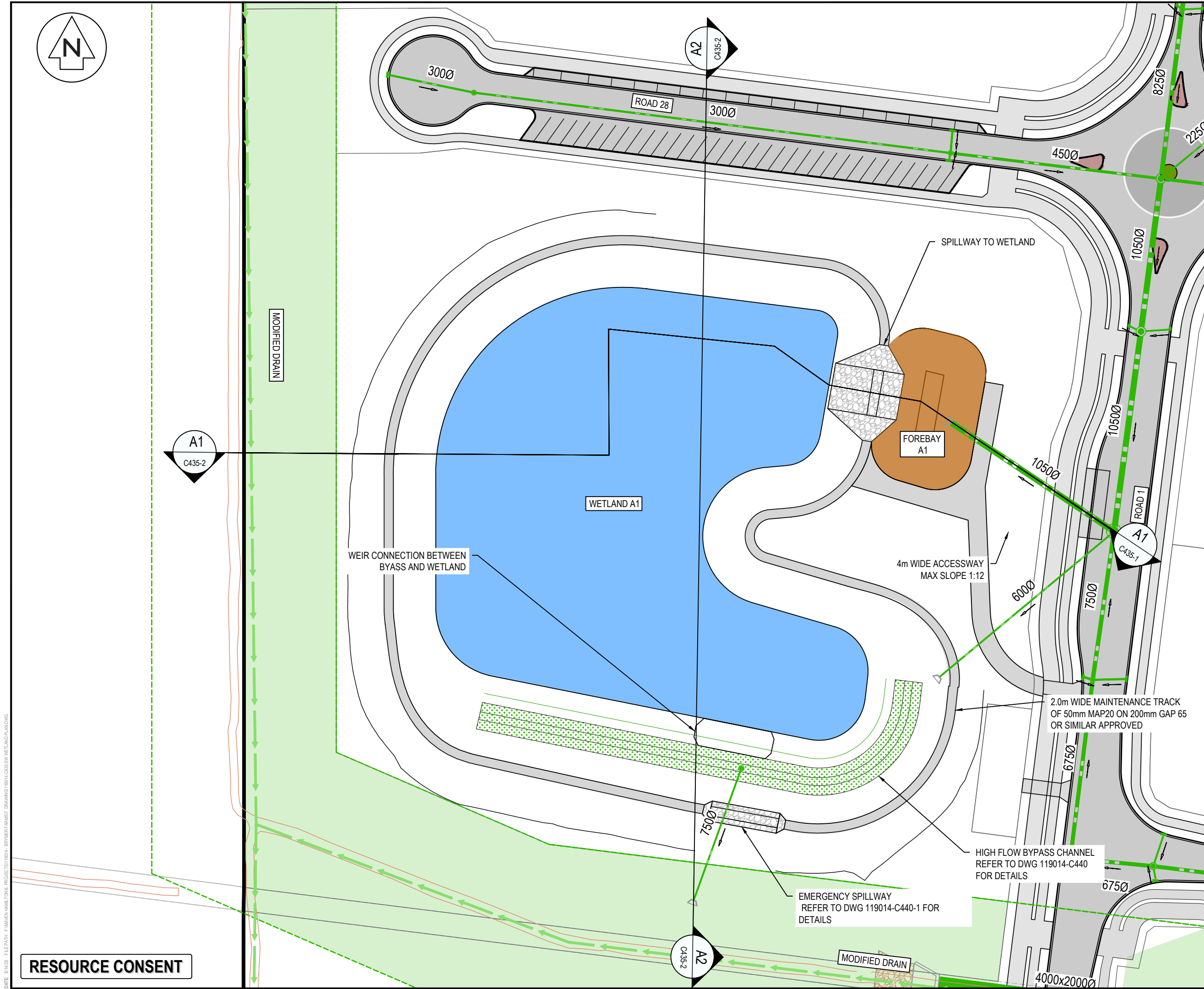
Project no.	119014
Scale	1:7500 @ A3
Cad file	119014-C435-SW WETLAND PLAN.DWG
Drawing no.	C435
Rev	A

RESOURCE CONSENT



DATE: 8/10/2025 FILE PATH: F:\MVEN\HAMITON\6. PROJECTS\119014- BRYMER FARMS\7. DRAWING\119014-C435-SW WETLAND PLAN.DWG

RESOURCE CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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- LEGEND
- EX BDY
 - PROP BDY
 - PR STORMWATER PIPE
 - EX SW DRAIN/ CHANNEL
 - PROP SWMH
 - PROP SW SCRUFFY
 - PROP SW OUTLET
 - PR WETLAND
 - PR FOREBAY
 - PR HIGH FLOW BYPASS
 - PR MAINTENANCE TRACK
 - ROCK RIP RAP
 - EX WETLAND WITH 10m BUFFER

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

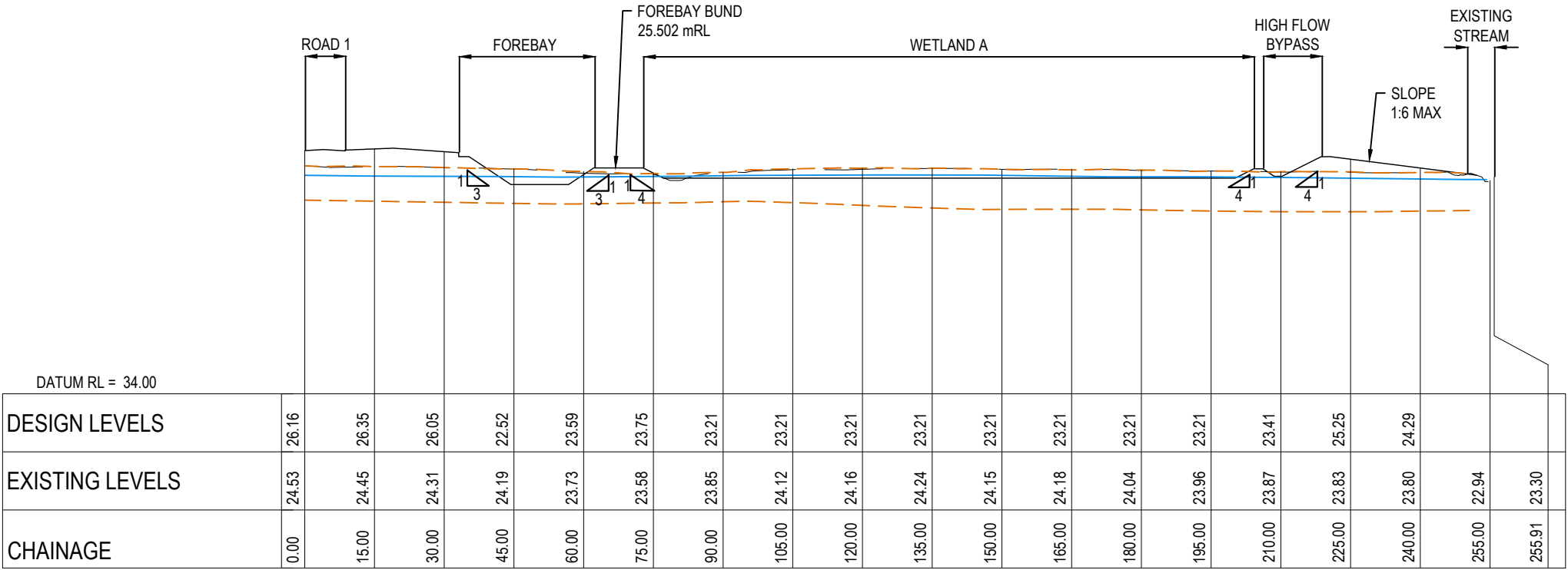


Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

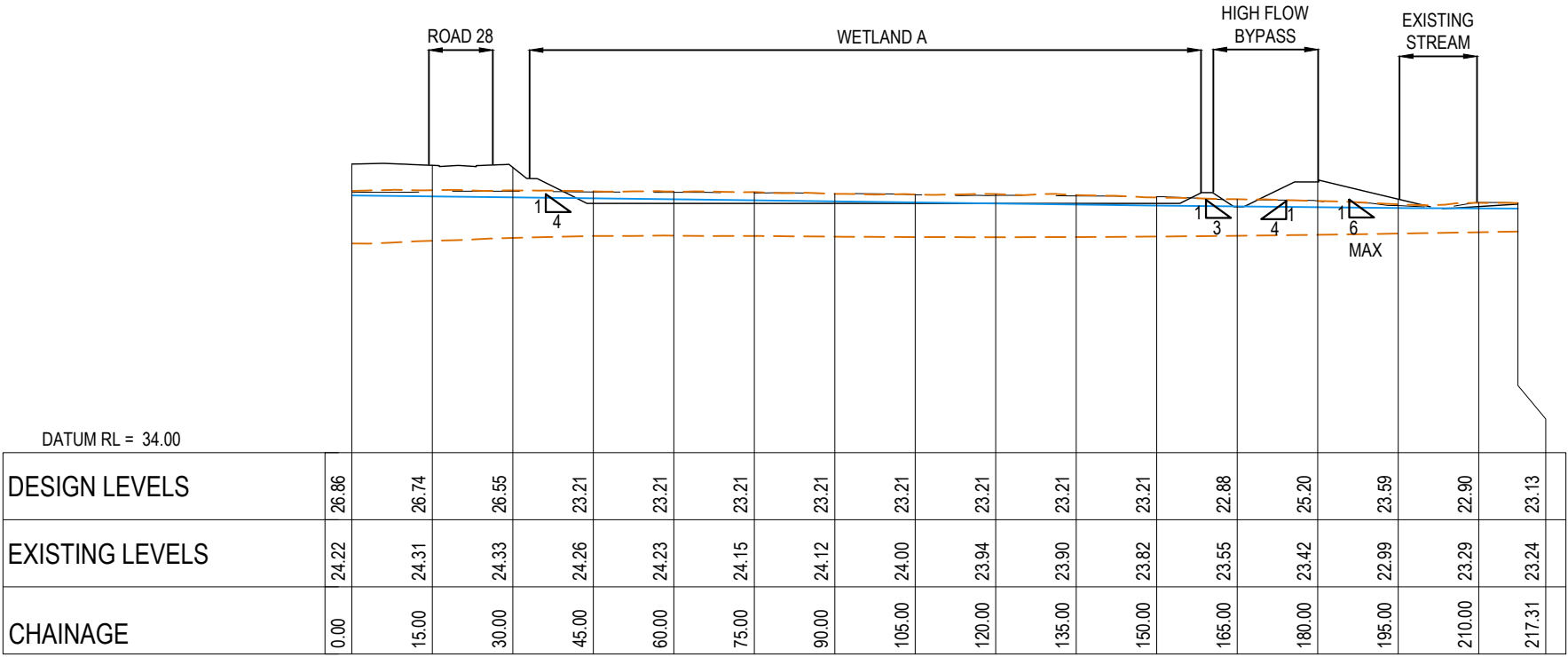
Title
**PROPOSED STAGE 1
STORMWATER WETLAND
PLAN**

Project no.	119014
Scale	1:750 @ A3
Cad file	119014-C435-SW WETLAND PLAN.DWG
Drawing no.	C435-1
Rev	A

DATE: 8/10/28 FILEPATH: F:\MAVEN\HAMTON6 PROJECTS\119014 - BRYMER FARMS\7 DRAWING\119014-C435-SW WETLAND\PLANDWG



SECTION A1 LONGITUDINAL SECTION
SCALE HORI 1:1250 VERT 1:625



SECTION A2 LONGITUDINAL SECTION
SCALE HORI 1:1250 VERT 1:625

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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LEGEND

	DESIGN SURFACE
	EXISTING SURFACE
	GROUNDWATER LVL
	TOP AND BOTTOM OF PEAT SOIL

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

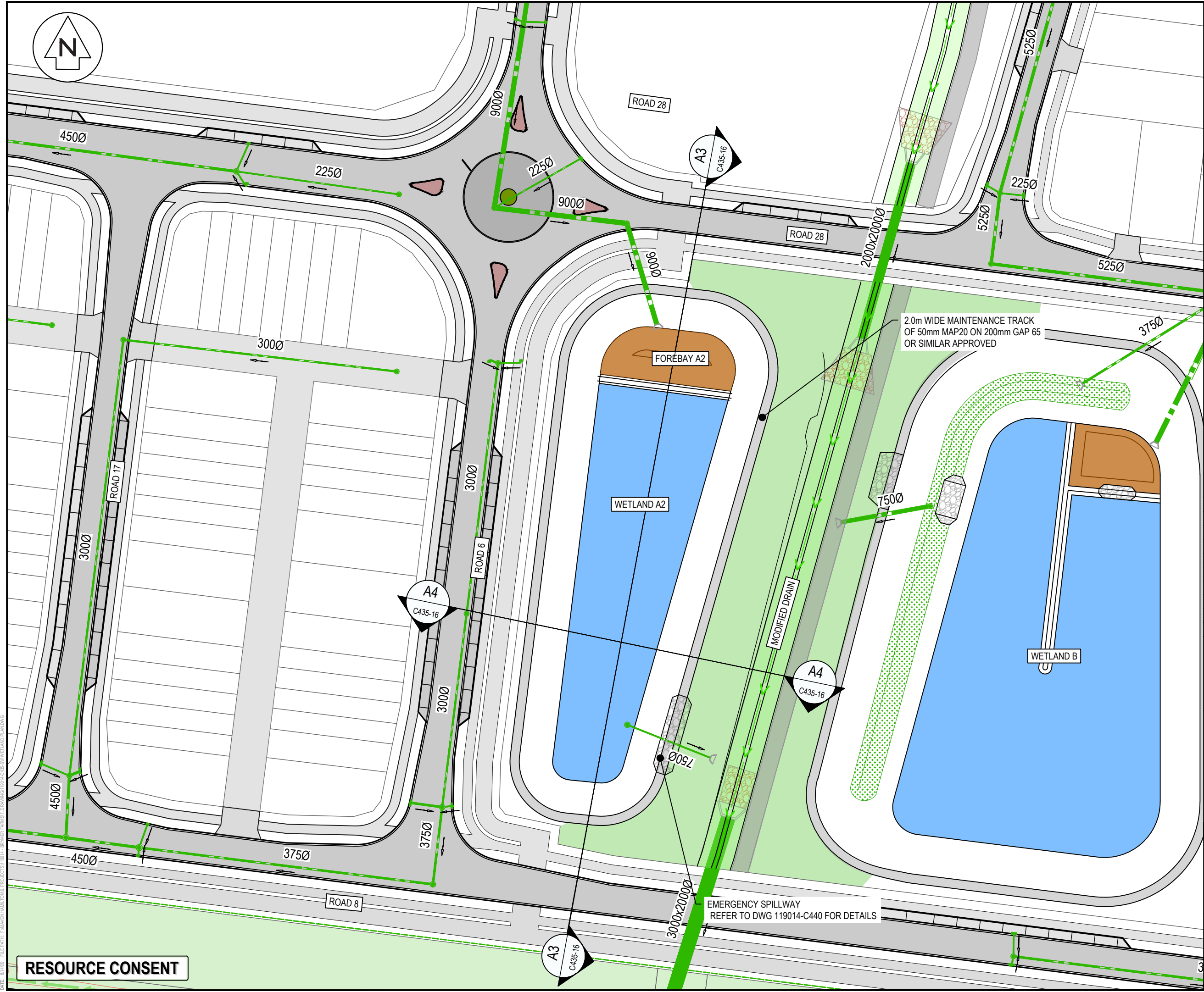


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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STAGE 1
STORMWATER WETLAND
SECTIONS**

Project no.	119014		
Scale	AS SHOWN @ A3		
Cad file	119014-C435-SW WETLAND PLAN.DWG		
Drawing no.	C435-2	Rev	A



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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- LEGEND
- EX BDY
 - PROP BDY
 - PR STORMWATER PIPE
 - EX SW DRAIN/ CHANNEL
 - PROP SWMH
 - PROP SW SCRUFFY
 - PROP SW OUTLET
 - PR WETLAND
 - PR FOREBAY
 - PR HIGH FLOW BYPASS
 - PR MAINTENANCE TRACK
 - ROCK RIP RAP
 - EX WETLAND WITH 10m BUFFER

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

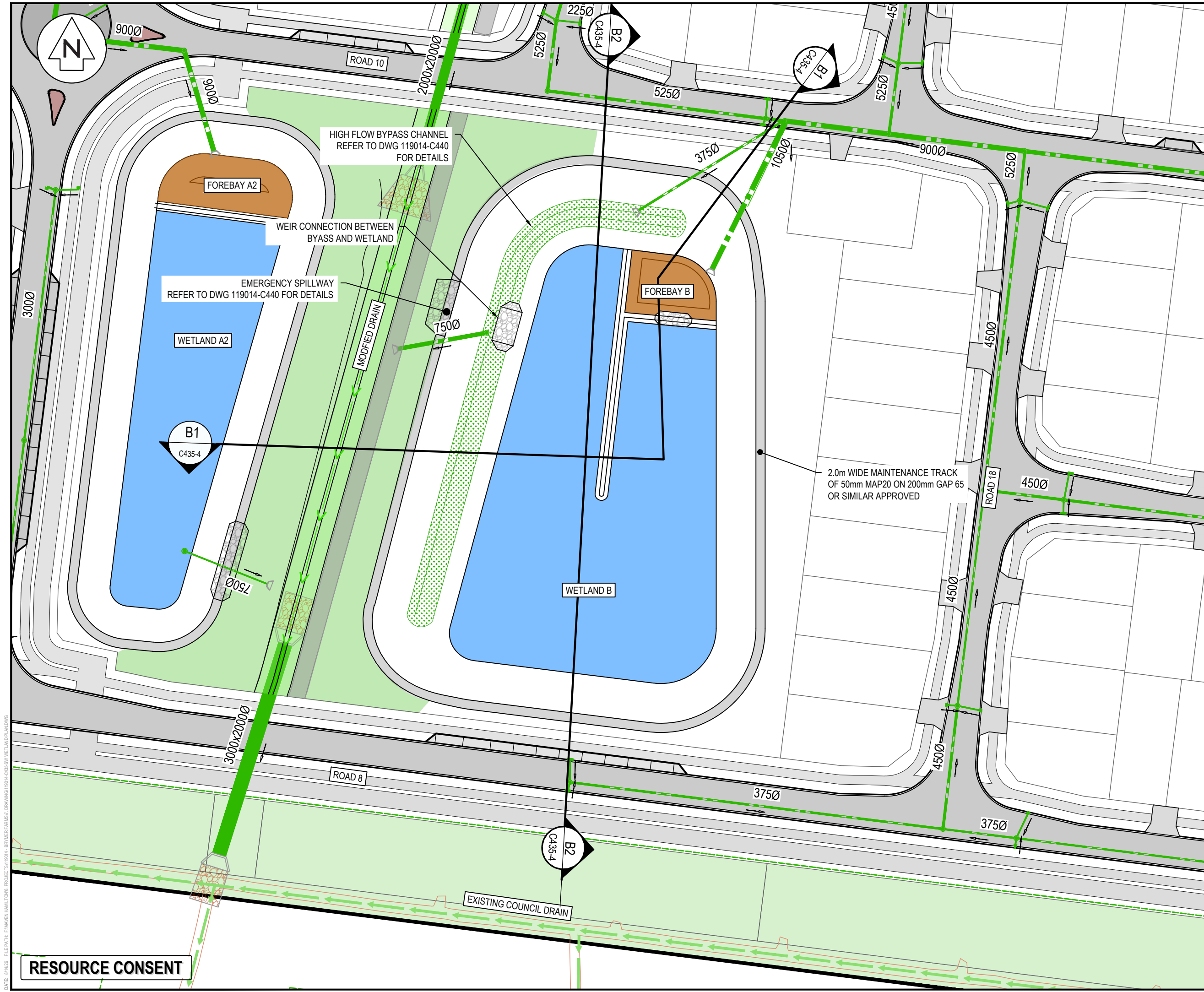


Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STAGE 1
STORMWATER WETLAND
PLAN**

Project no.	119014
Scale	1:750 @ A3
Cad file	119014-C435-SW WETLAND PLAN.DWG
Drawing no.	C435-3
Rev	A

RESOURCE CONSENT



- NOTES
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LEGEND

	EX BDY
	PROP BDY
	PR STORMWATER PIPE
	EX SW DRAIN/ CHANNEL
	PROP SWMH
	PROP SW SCRUFFY
	PROP SW OUTLET
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	PR MAINTENANCE TRACK
	ROCK RIP RAP
	EX WETLAND WITH 10m BUFFER

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			



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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

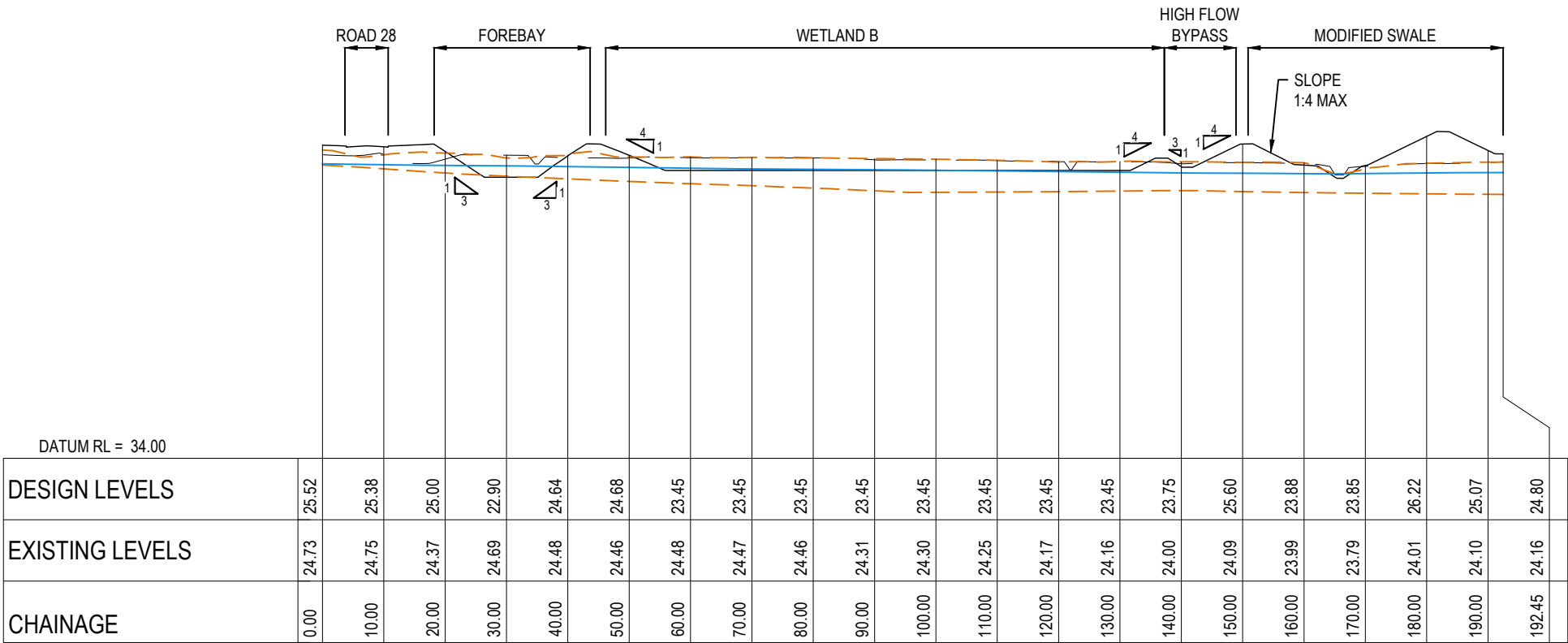
Title
**PROPOSED STAGE 2
STORMWATER WETLAND
PLAN**

Project no.	119014
Scale	1:750 @ A3
Cad file	119014-C435-SW WETLAND PLAN.DWG
Drawing no.	C435-5
Rev	A

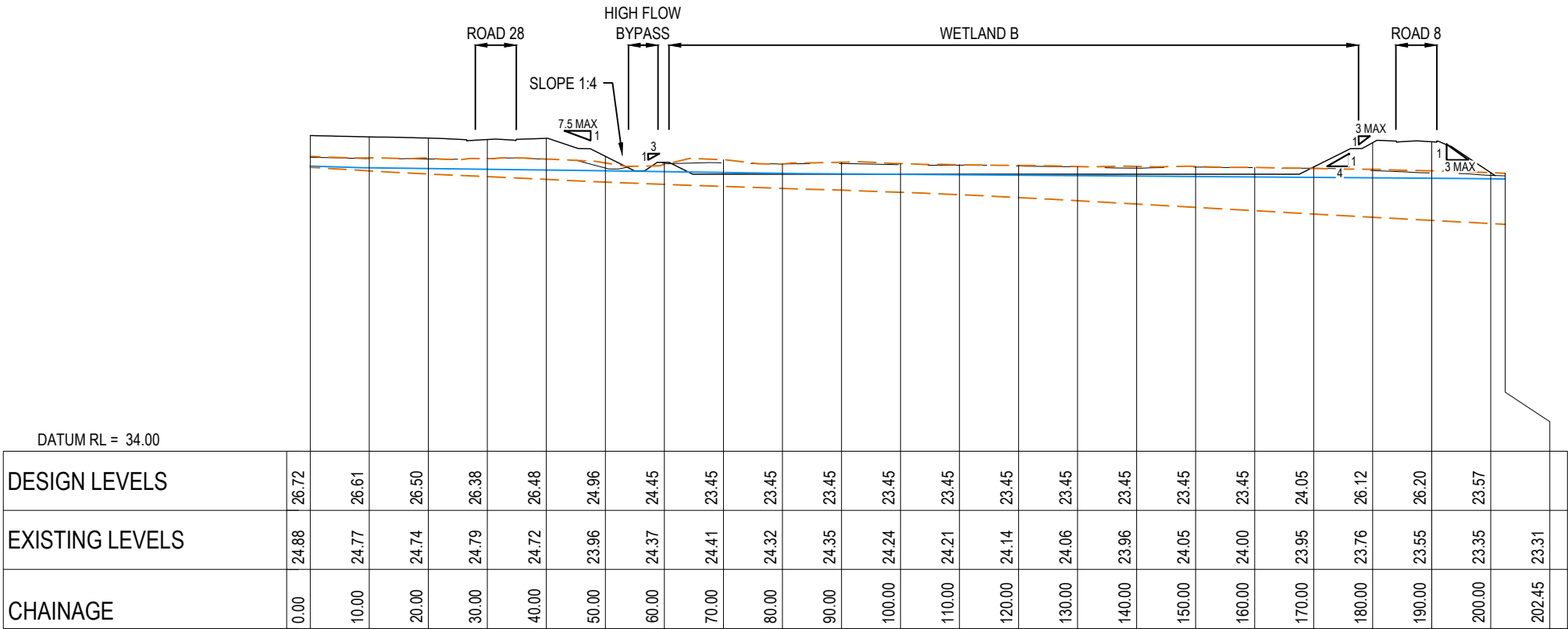
DATE: 8/10/25 FILE PATH: F:\MVEN\HAMILTON\6. PROJECTS\119014 - BRYMER FARMS\7. DRAWING\119014-C435-SW WETLAND PLAN.DWG

RESOURCE CONSENT

DATE: 8/14/26 FILEPATH: F:\MVEN\HAMTON6 PROJECTS\119014-BRYMER FARMS\7 DRAWING\119014-C435-SW WETLAND\PLANDWG



B1 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500



B2 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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LEGEND

	DESIGN SURFACE
	EXISTING SURFACE
	GROUNDWATER LEVEL
	TOP AND BOTTOM OF PEAT SOIL

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	NK	10/2025	
Drawn	NK	10/2025	
Checked			



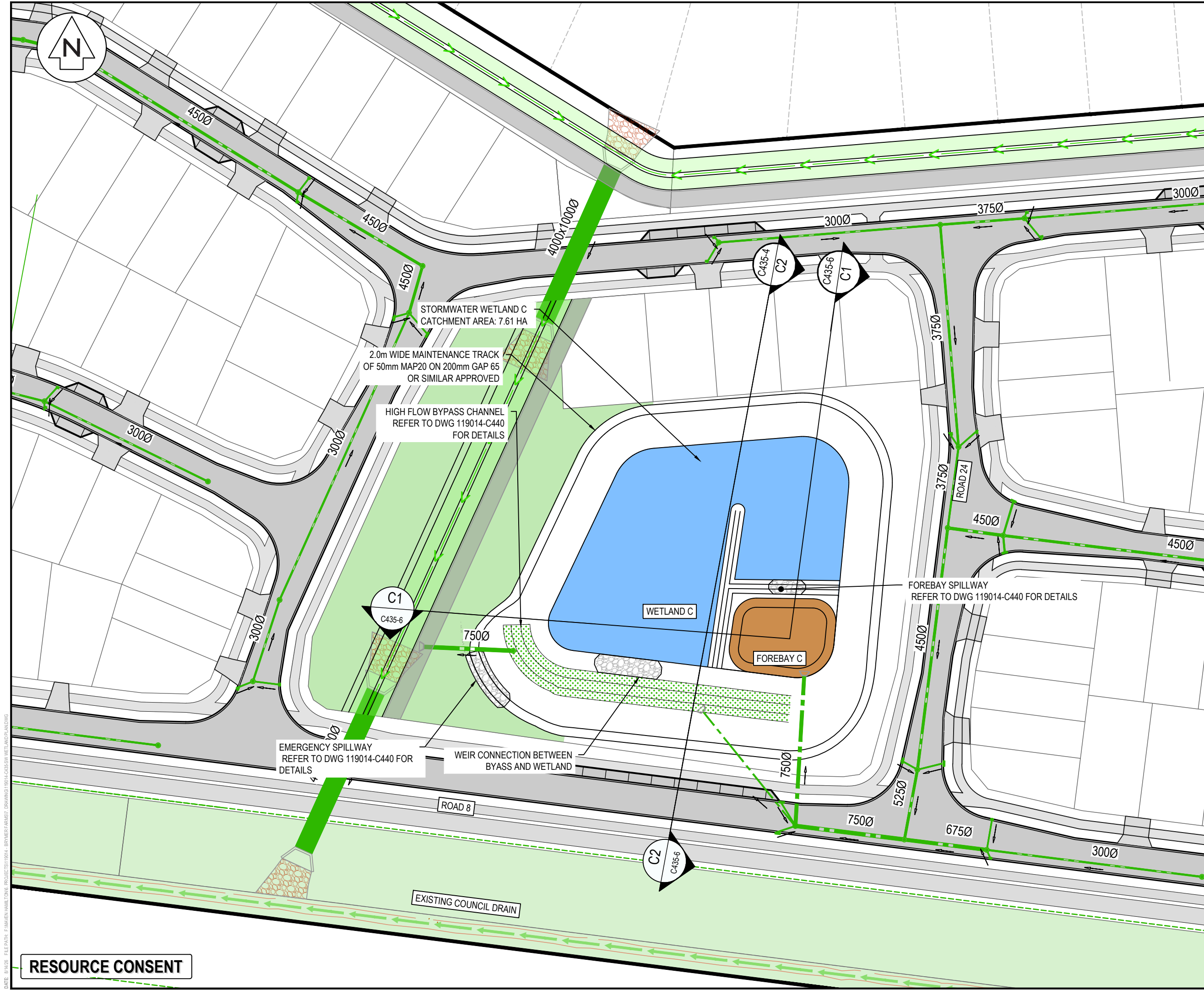
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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STAGE 2
STORMWATER WETLAND
SECTIONS**

Project no.	119014		
Scale	AS SHOWN @ A3		
Cad file	119014-C435-SW WETLAND PLAN.DWG		
Drawing no.	C435-6	Rev	A

RESOURCE CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
 2. CO-ORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
 3. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY HIS OPERATIONS.
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 5. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL STORMWATER LINES WITHIN THE ROAD RESERVE.
 6. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
 7. ALL CESSPIT LEADS SHALL HAVE MIN COVER 0.9M.
 8. ALL LINES ARE TO BE CLASS4 RCRRR 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 PIPE
 - EX SW DRAIN/ CHANNEL
 - PROP SWMH
 - PROP SW SCRUFFY
 - PROP SW OUTLET
 - PR WETLAND
 - PR FOREBAY
 - PR HIGH FLOW BYPASS
 - PR MAINTENANCE TRACK
 - ROCK RIP RAP
 - EX WETLAND WITH 10m BUFFER

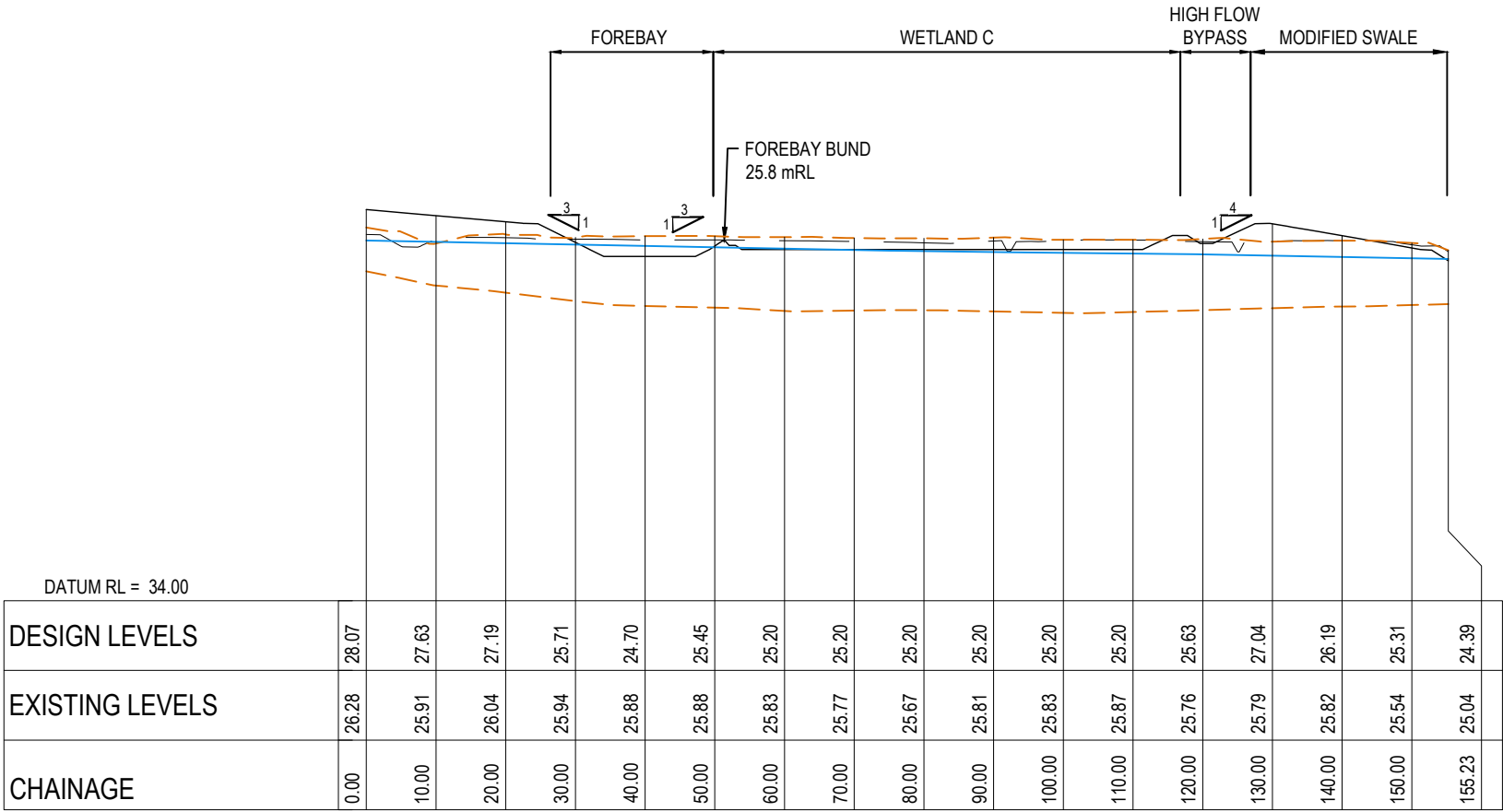
A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

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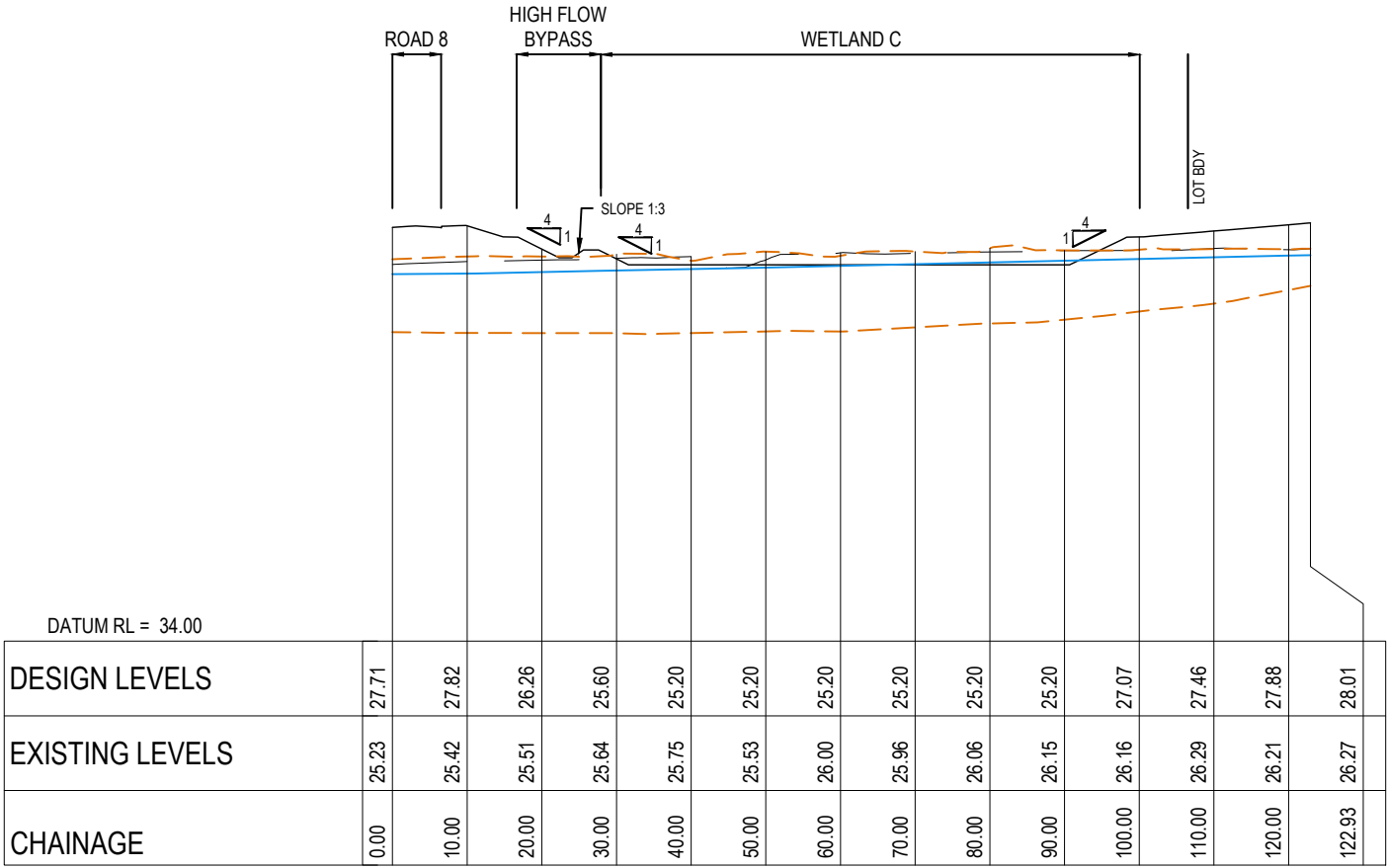
Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STAGE 3
STORMWATER WETLAND
PLAN**

Project no.	119014
Scale	1:750 @ A3
Cad file	119014-C435-SW WETLAND PLAN.DWG
Drawing no.	C435-7
Rev	A



C1 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500



C2 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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 9. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

—	DESIGN SURFACE
---	EXISTING SURFACE
—	GROUNDWATER LEVEL
---	TOP AND BOTTOM OF PEAT SOIL

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	NK	10/2025	
Drawn	NK	10/2025	
Checked			



Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STAGE 3
STORMWATER WETLAND
SECTIONS**

Project no.	119014		
Scale	AS SHOWN @ A3		
Cad file	119014-C435-SW WETLAND PLAN.DWG		
Drawing no.	C435-8	Rev	A



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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- LEGEND
- EX BDY
 - PROP BDY
 - PR STORMWATER PIPE
 - EX SW DRAIN/ CHANNEL
 - PROP SWMH
 - PROP SW SCRUFFY
 - PROP SW OUTLET
 - PR WETLAND
 - PR FOREBAY
 - PR HIGH FLOW BYPASS
 - PR MAINTENANCE TRACK
 - ROCK RIP RAP
 - EX WETLAND WITH 10m BUFFER

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STAGE 4
STORMWATER WETLAND
PLAN**

Project no.	119014
Scale	1:750 @ A3
Cad file	119014-C435-SW WETLAND PLAN.DWG
Drawing no.	C435-9
Rev	A

2.0m WIDE MAINTENANCE TRACK
OF 50mm MAP20 ON 200mm GAP 65
OR SIMILAR APPROVED

WEIR CONNECTION BETWEEN
BYASS AND WETLAND

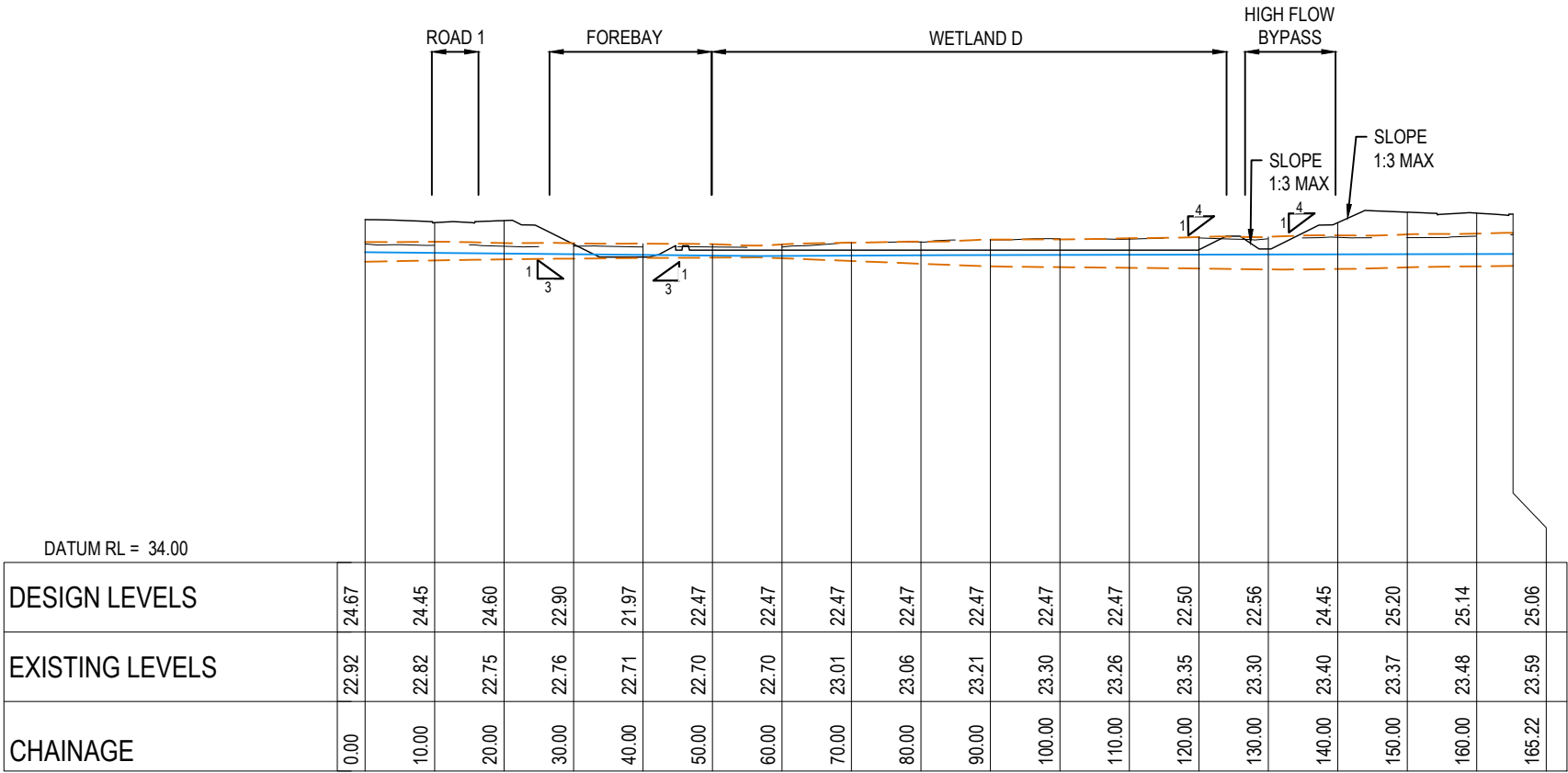
HIGH FLOW BYPASS CHANNEL
REFER TO DWG 119014-C440-2
FOR DETAILS

EMERGENCY SPILLWAY
REFER TO DWG 119014-C440-1 FOR
DETAILS

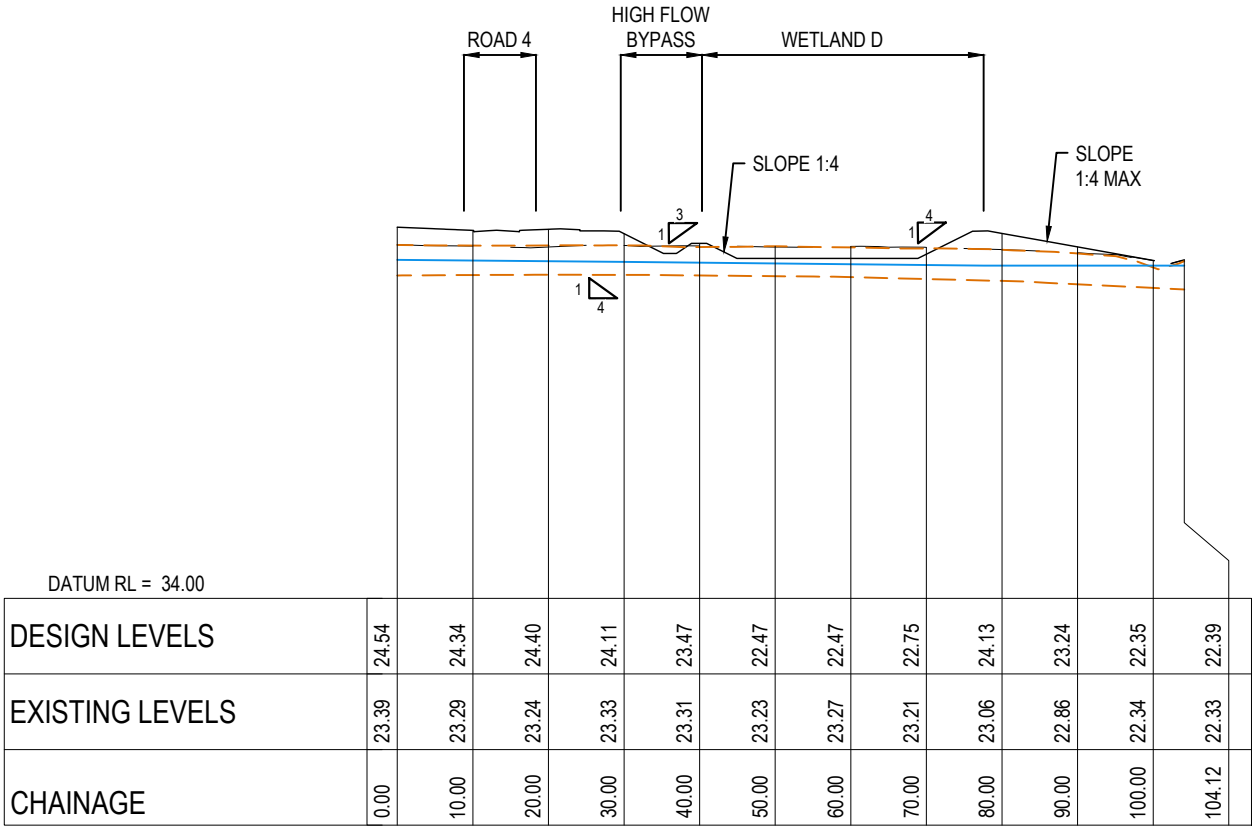
EXISTING COUNCIL DRAIN

RESOURCE CONSENT

DATE: 8/10/25 FILE PATH: E:\Maven\Hamilton\119014 - Brymer Farms\119014-C435-SW WETLAND PLAN.DWG



D1 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500



D2 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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LEGEND

	DESIGN SURFACE
	EXISTING SURFACE
	GROUNDWATER LEVEL
	TOP AND BOTTOM OF PEAT SOIL

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	NK	10/2025	
Drawn	NK	10/2025	
Checked			



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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STAGE 4
STORMWATER WETLAND
SECTIONS**

Project no.	119014		
Scale	AS SHOWN @ A3		
Cad file	119014-C435-SW WETLAND PLAN.DWG		
Drawing no.	C435-10	Rev	A



E1
C435-10

E2
C435-10

E2
C435-10

E1
C435-10

RESOURCE CONSENT

EMERGENCY SPILLWAY
REFER TO DWG 119014-C440 FOR DETAILS

2.0m WIDE MAINTENANCE TRACK
OF 50mm MAP20 ON 200mm GAP 65
OR SIMILAR APPROVED

SPILLWAY
REFER TO DWG 119014-C440 FOR DETAILS

HIGH FLOW BYPASS CHANNEL
REFER TO DWG 119014-C440
FOR DETAILS

EXISTING COUNCIL DRAIN

BROAD CRESTED WEIR WITHIN HIGHFLOW
CHANNEL. FLOWS GREATER THAN 2YR FLOW
DIRECTED TO BYPASS.
TOP OF WEIR TO BE CONFIRMED DURING
DETAILED DESIGN

WETLAND E

FOREBAY E

DATE: 8/14/26 FILEPATH: F:\MVEN\HAMITON6 PROJECTS\119014 - BRYMER FARMS\7 DRAWING\119014-C435-SW WETLAND PLAN.DWG

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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LEGEND

- EX BDY
- PROP BDY
- PR STORMWATER PIPE
- EX SW DRAIN/ CHANNEL
- PROP SWMH
- PROP SW SCRUFFY
- PROP SW OUTLET
- PR WETLAND
- PR FOREBAY
- PR HIGH FLOW BYPASS
- PR MAINTENANCE TRACK
- ROCK RIP RAP
- EX WETLAND WITH 10m BUFFER

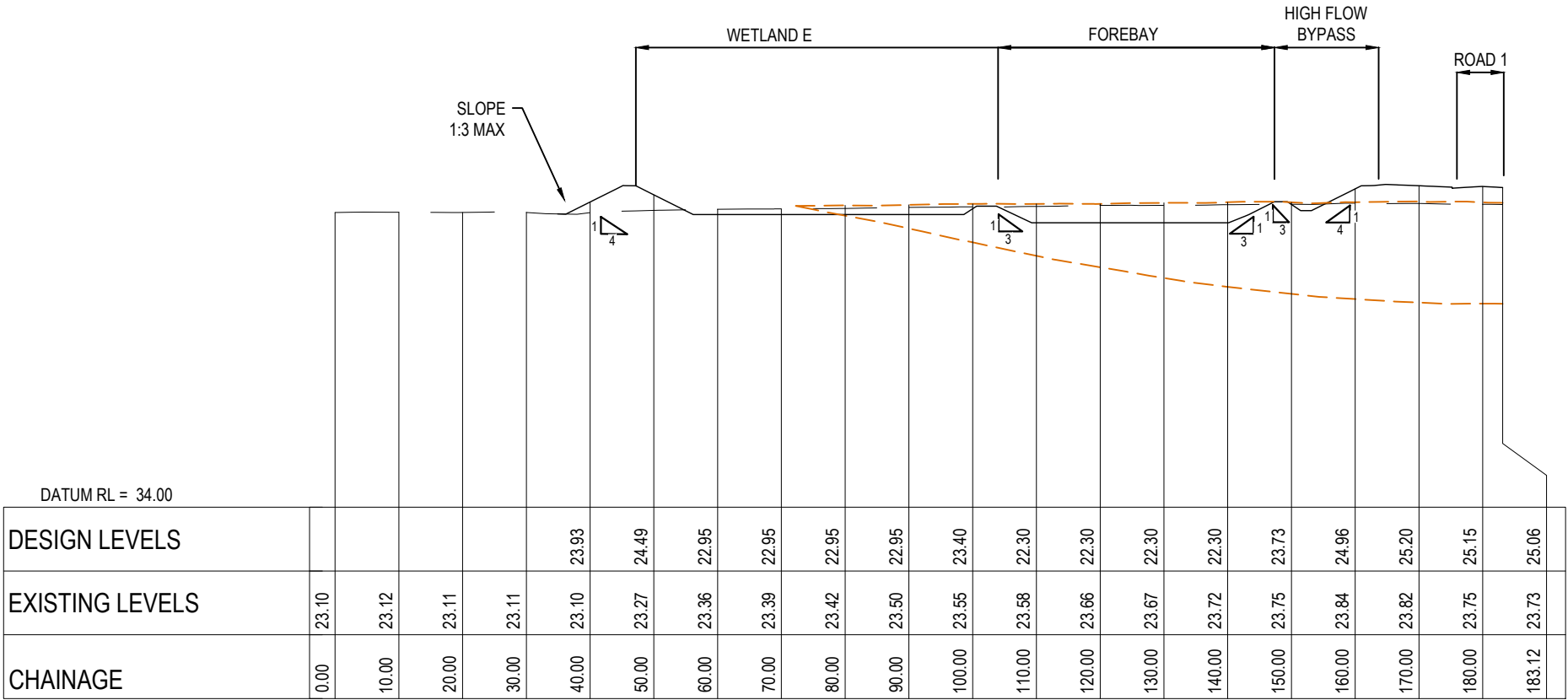
A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			



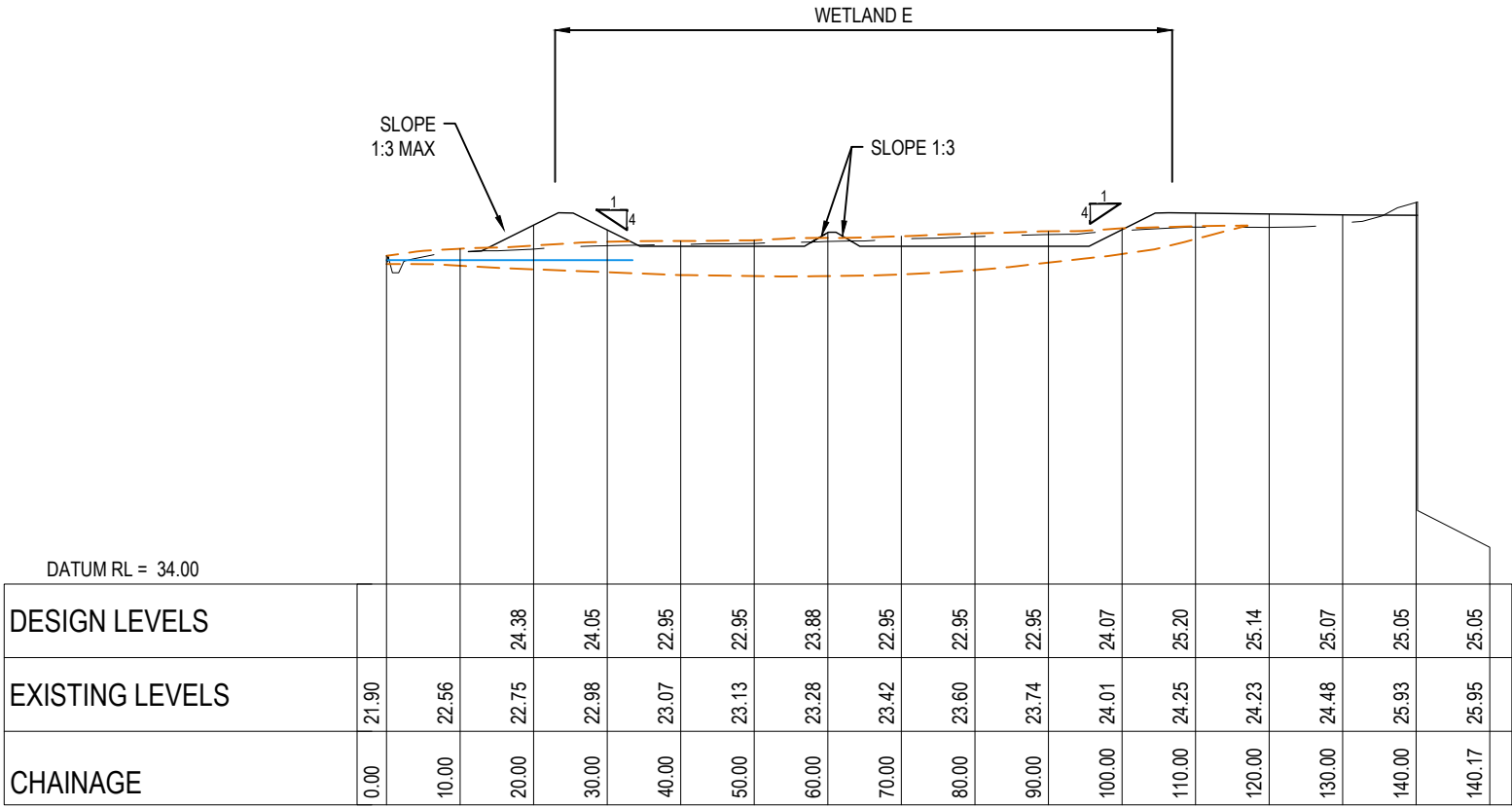
Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STAGE 5
STORMWATER WETLAND
PLAN**

Project no.	119014
Scale	1:750 @ A3
Cad file	119014-C435-SW WETLAND PLAN.DWG
Drawing no.	C435-11
Rev	A



E1 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500



E2 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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LEGEND

	DESIGN SURFACE
	EXISTING SURFACE
	GROUNDWATER LEVEL
	TOP AND BOTTOM OF PEAT SOIL

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	NK	10/2025	
Drawn	NK	10/2025	
Checked			



Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED STAGE 5
STORMWATER WETLAND
SECTIONS**

Project no.	119014
Scale	AS SHOWN @ A3
Cad file	119014-C435-SW WETLAND PLAN.DWG
Drawing no.	C435-12
Rev	A

RESOURCE CONSENT



EXISTING
WETLAND
NORTHERN 50

F2
C435-11

2.0m WIDE MAINTENANCE TRACK
OF 50mm MAP20 ON 200mm GAP 65
OR SIMILAR APPROVED

STORMWATER WETLAND F
VOLUME: 2350 m³
CATCHMENT AREA: 1.85 HA

EMERGENCY SPILLWAY
REFER TO DWG 119014-C440 FOR DETAILS

SCRUFFY DOME MANHOLE
WITH BASEFLOW ORIFICE

EXISTING
WETLAND
NORTHERN 42

EXISTING
WETLAND
NORTHERN 43

FOREBAY F

WETLAND F

F1
C435-11

F1
C435-11

F2
C435-11

ROAD 50

ROAD 50

RESOURCE CONSENT

NOTES

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LEGEND

- EX BDY
- PROP BDY
- PR STORMWATER PIPE
- EX SW DRAIN/ CHANNEL
- PROP SWMH
- PROP SW SCRUFFY
- PROP SW OUTLET
- PR WETLAND
- PR FOREBAY
- PR HIGH FLOW BYPASS
- PR MAINTENANCE TRACK
- ROCK RIP RAP
- EX WETLAND WITH 10m BUFFER

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

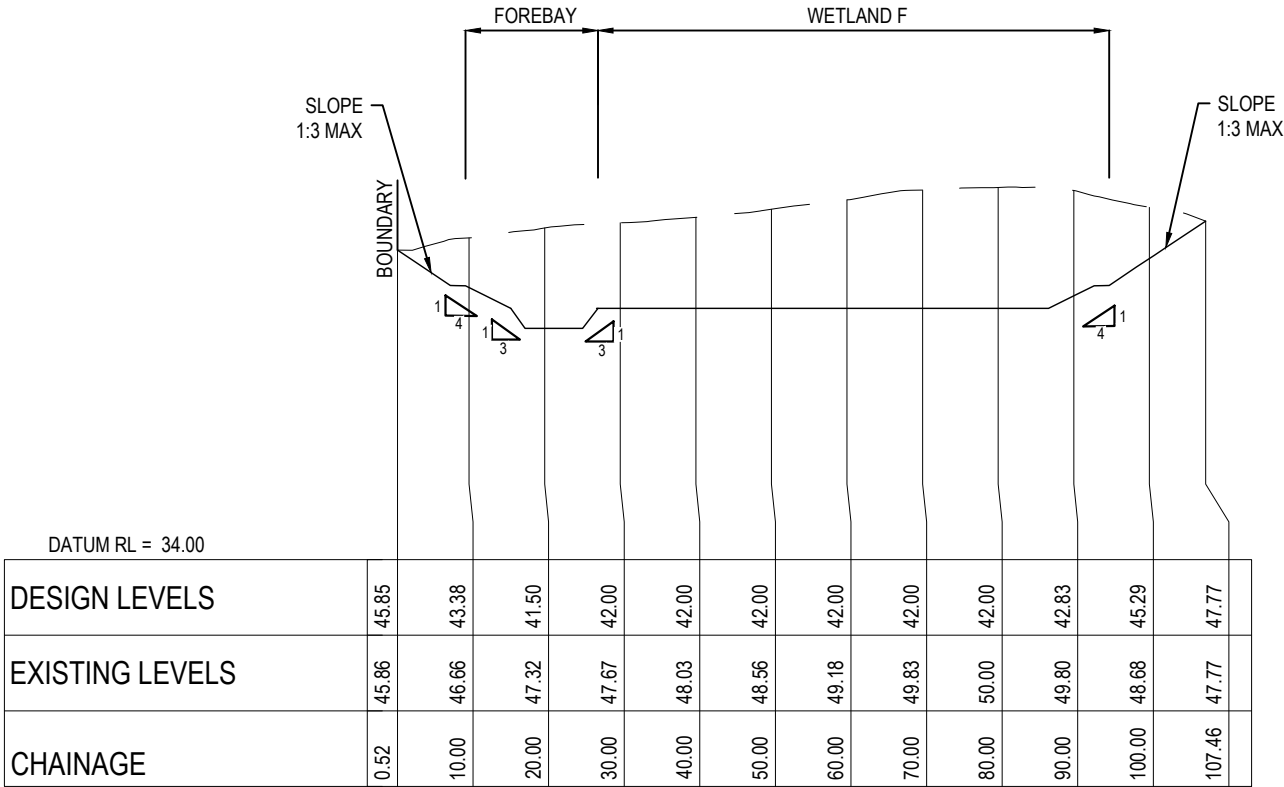
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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

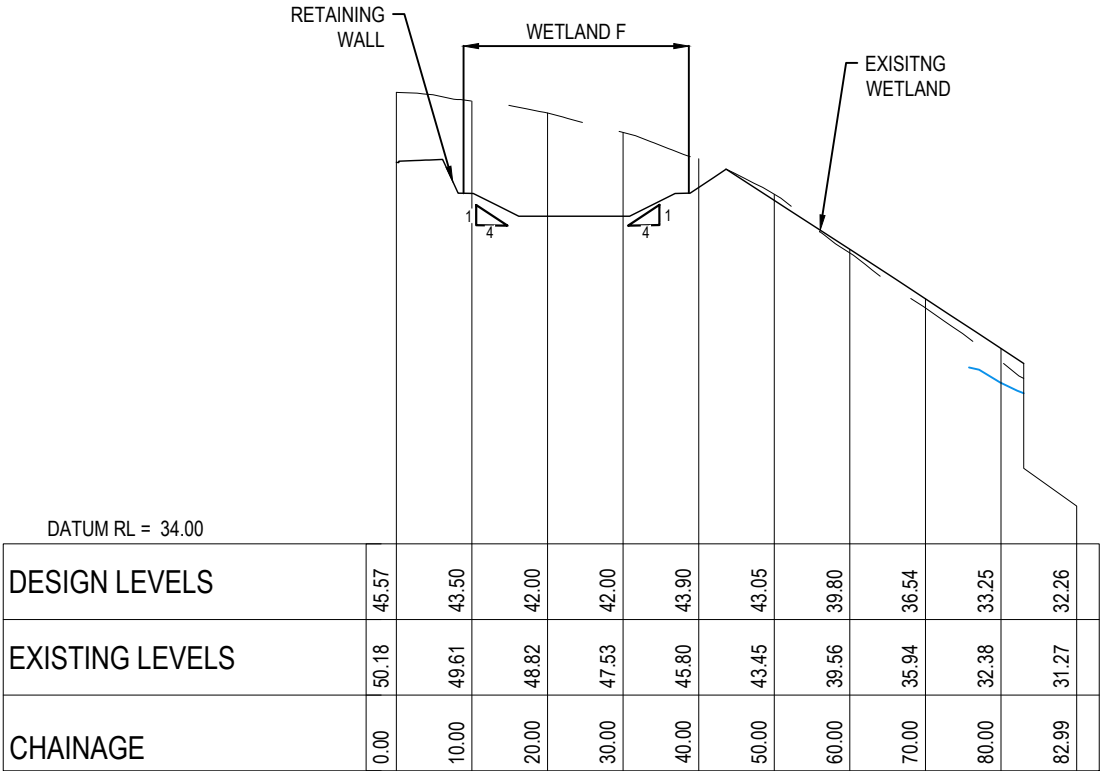
Title
**PROPOSED STAGE 6
STORMWATER WETLAND
PLAN**

Project no.	119014
Scale	1:750 @ A3
Cad file	119014-C435-SW WETLAND PLAN.DWG
Drawing no.	C435-13
Rev	A

DATE: 31/05/2025 FILE PATH: C:\Maven\Hamilton\Projects\119014 - Brymer Farms\119014-C435-SW WETLAND PLANS.DWG



WETLAND F1 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500



F2 LONGITUDINAL SECTION
SCALE HORI 1:1000 VERT 1:500

RESOURCE CONSENT

- NOTES
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LEGEND

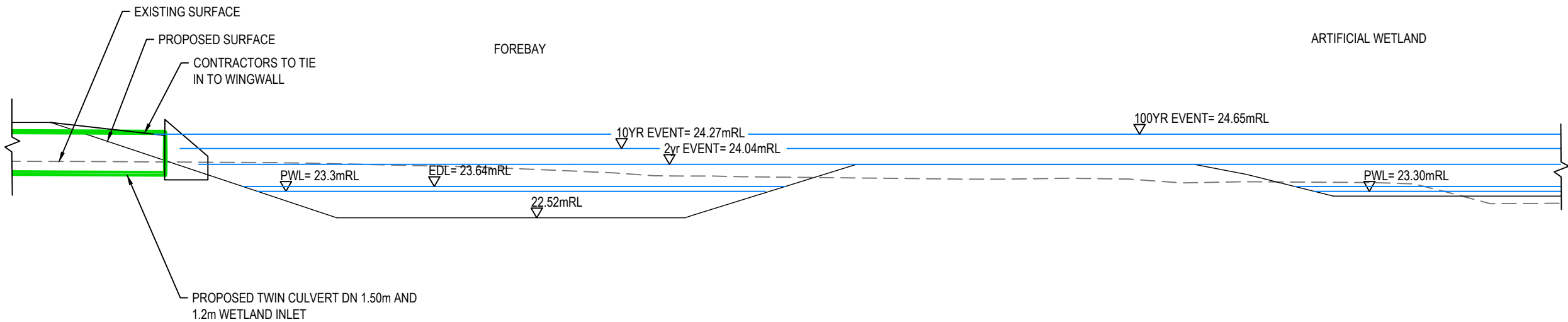
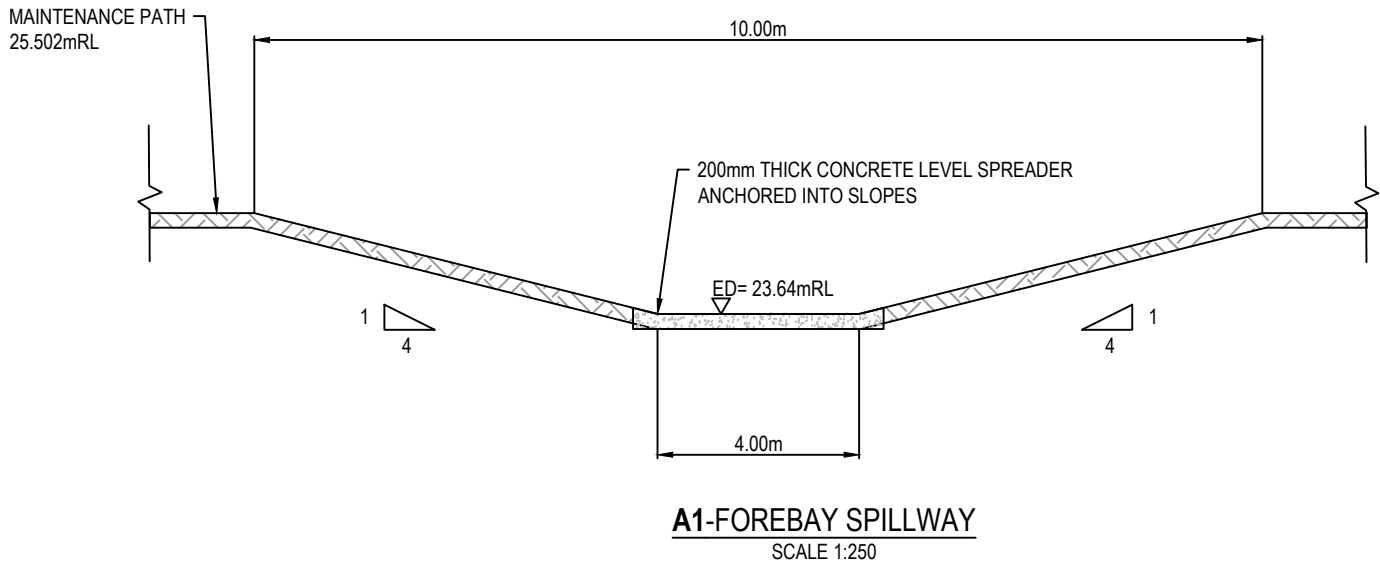
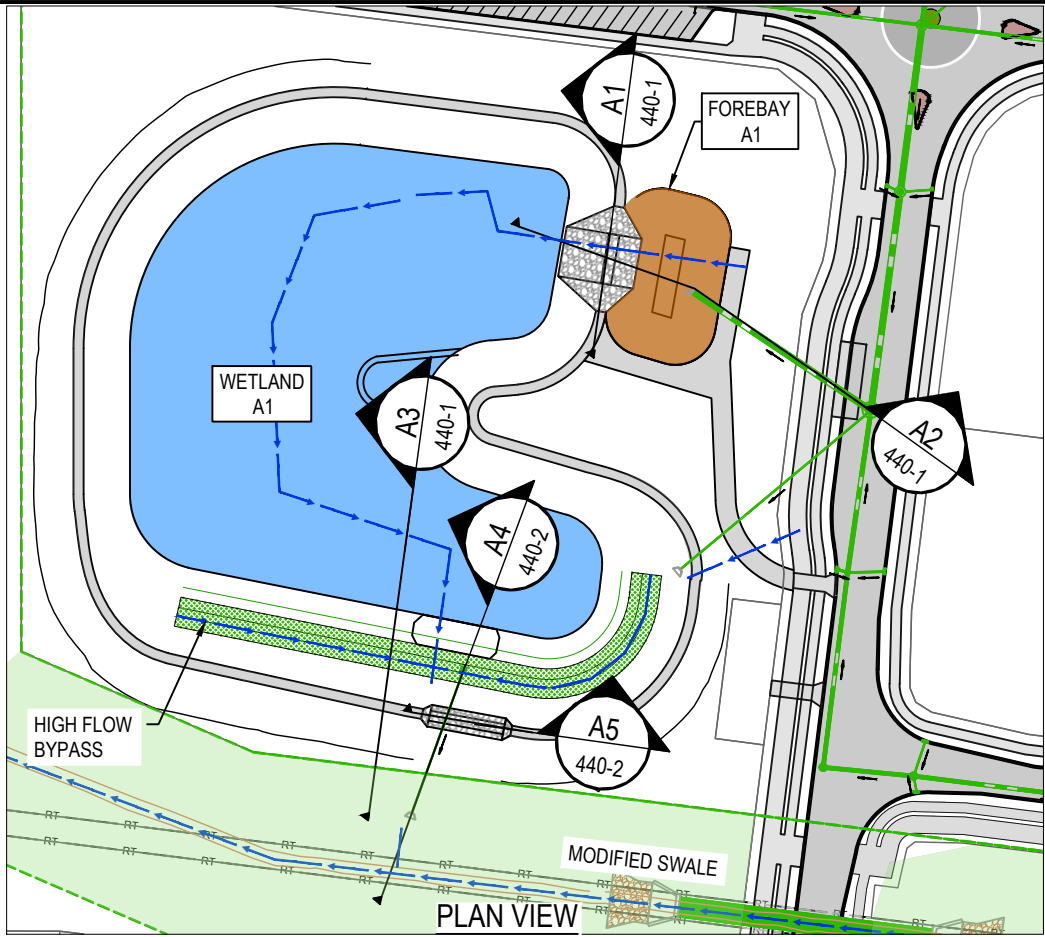
	DESIGN SURFACE
	EXISTING SURFACE
	GROUNDWATER LEVEL
	TOP AND BOTTOM OF PEAT SOIL

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	NK	10/2025	
Drawn	NK	10/2025	
Checked			

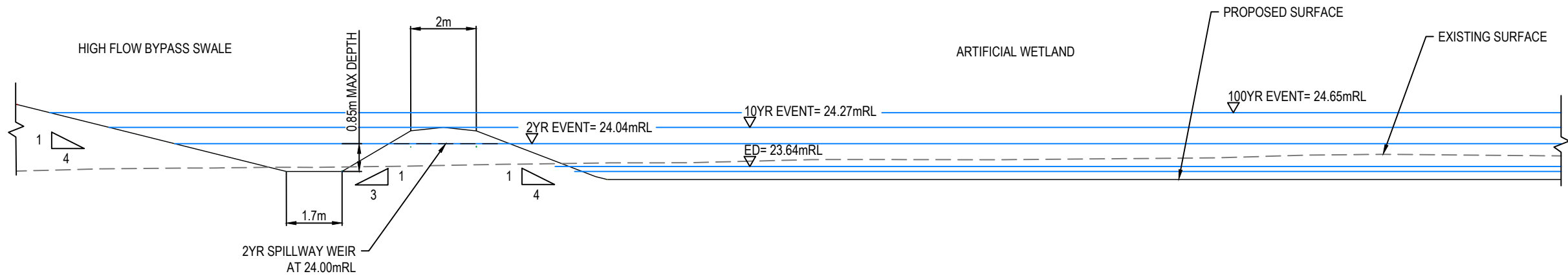


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Project BRYMER FARMS FOR BRYMER FARMS LIMITED			
Title PROPOSED STAGE 6 STORMWATER WETLAND SECTIONS			
Project no.	119014		
Scale	AS SHOWN @ A3		
Cad file	119014-C435-SW WETLAND PLAN.DWG		
Drawing no.	C435-14	Rev	A



A2-FORBAY AND WETLAND INTERFACE TYPICAL DETAIL
SCALE 1:150



A3-HIGH FLOW BYPASS AND WETLAND TYPICAL DETAIL
SCALE 1:150

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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 10. WETLAND DETAILS ARE SUBJECT TO REFINEMENT AT DETAIL DESIGN STAGE

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

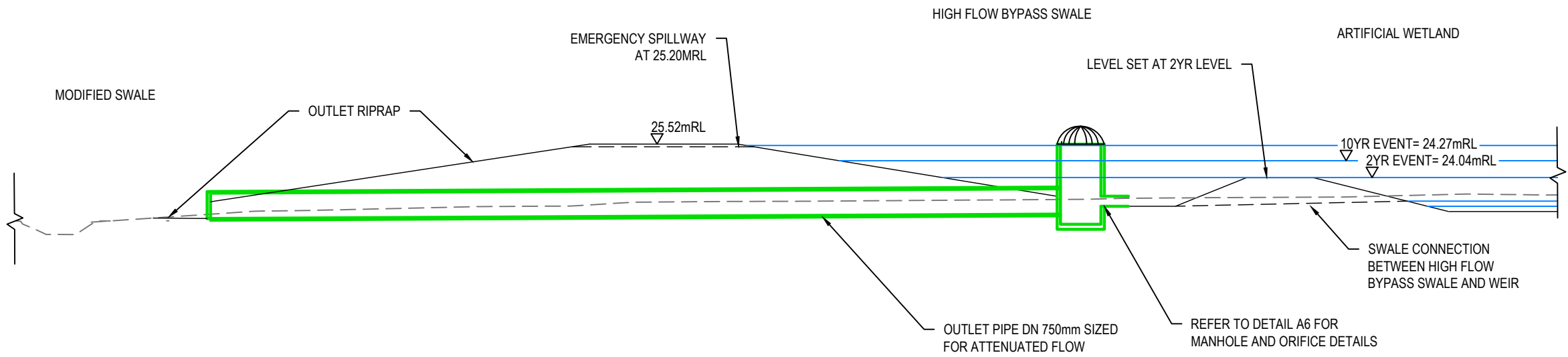


Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

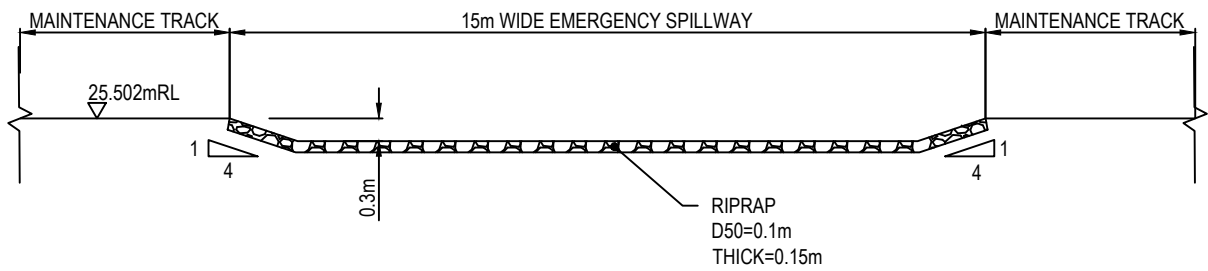
Title
**PROPOSED
STAGE 1 WETLAND
DETAILS**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C440-SW WETLAND DETAILS.DWG
Drawing no.	C440-1
Rev	A

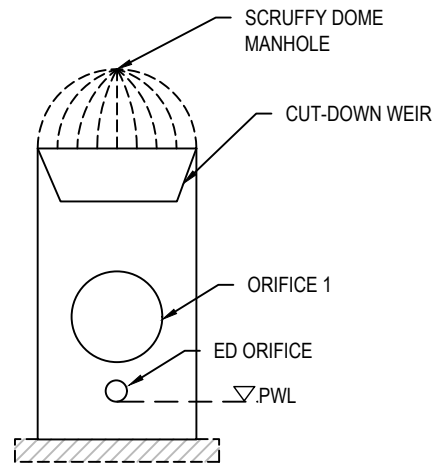
RESOURCE CONSENT



A4-WETLAND OUTLET SECTION DETAILS
SCALE 1:150



A5- EMERGENCY SPILLWAY SECTION DETAILS
SCALE 1:100



A6-OUTLET MANHOLE TYPICAL DETAIL
SCALE 1:100

Wetland A	
Base of wetland	23.0mRL
PWL	23.3mRL
EDL	23.64mRL
2YR	24.04mRL
10YR	24.27mRL
100YR	24.65mRL

- NOTES
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 6. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
 7. ALL CESSPIT LEADS SHALL HAVE MIN COVER 0.9M.
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 10. WETLAND DETAILS ARE SUBJECT TO REFINEMENT AT DETAIL DESIGN STAGE

A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	NK	10/2025	
Drawn	NK	10/2025	
Checked			

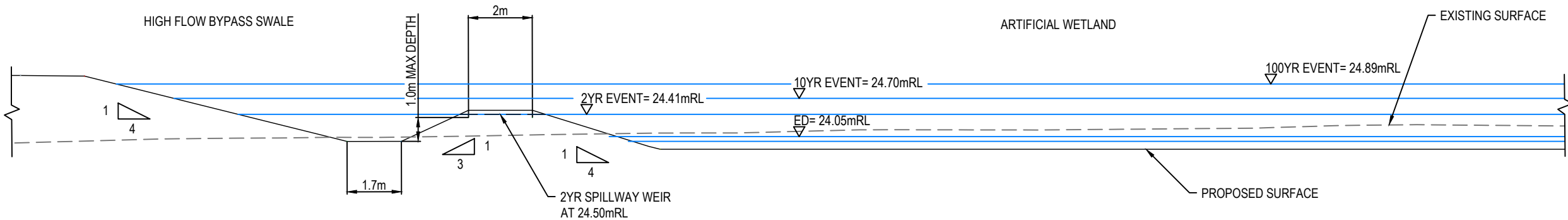
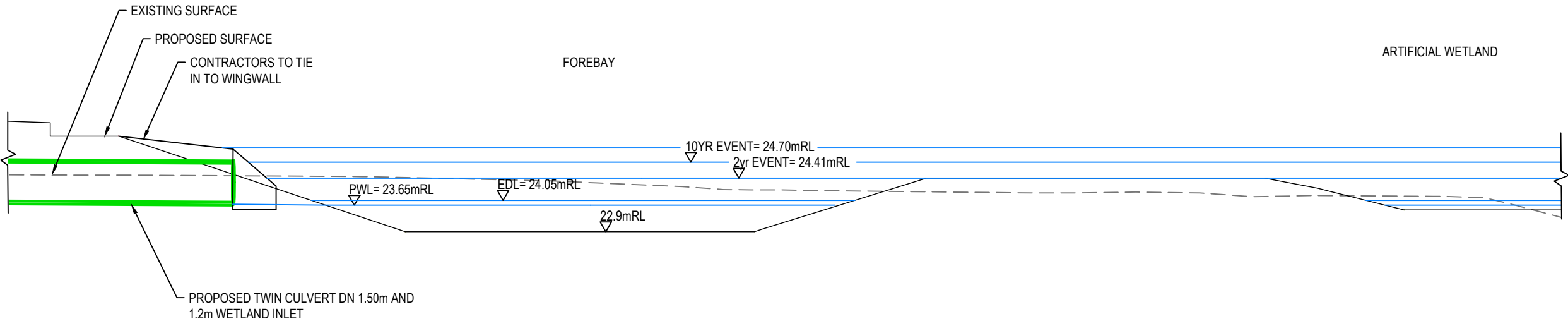
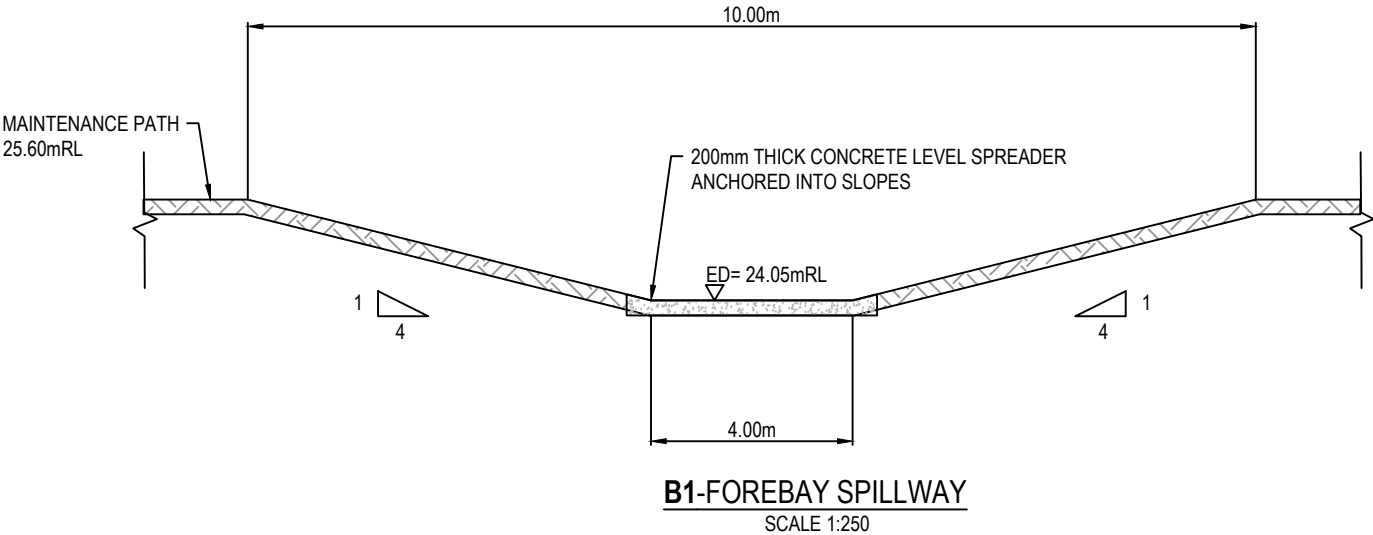
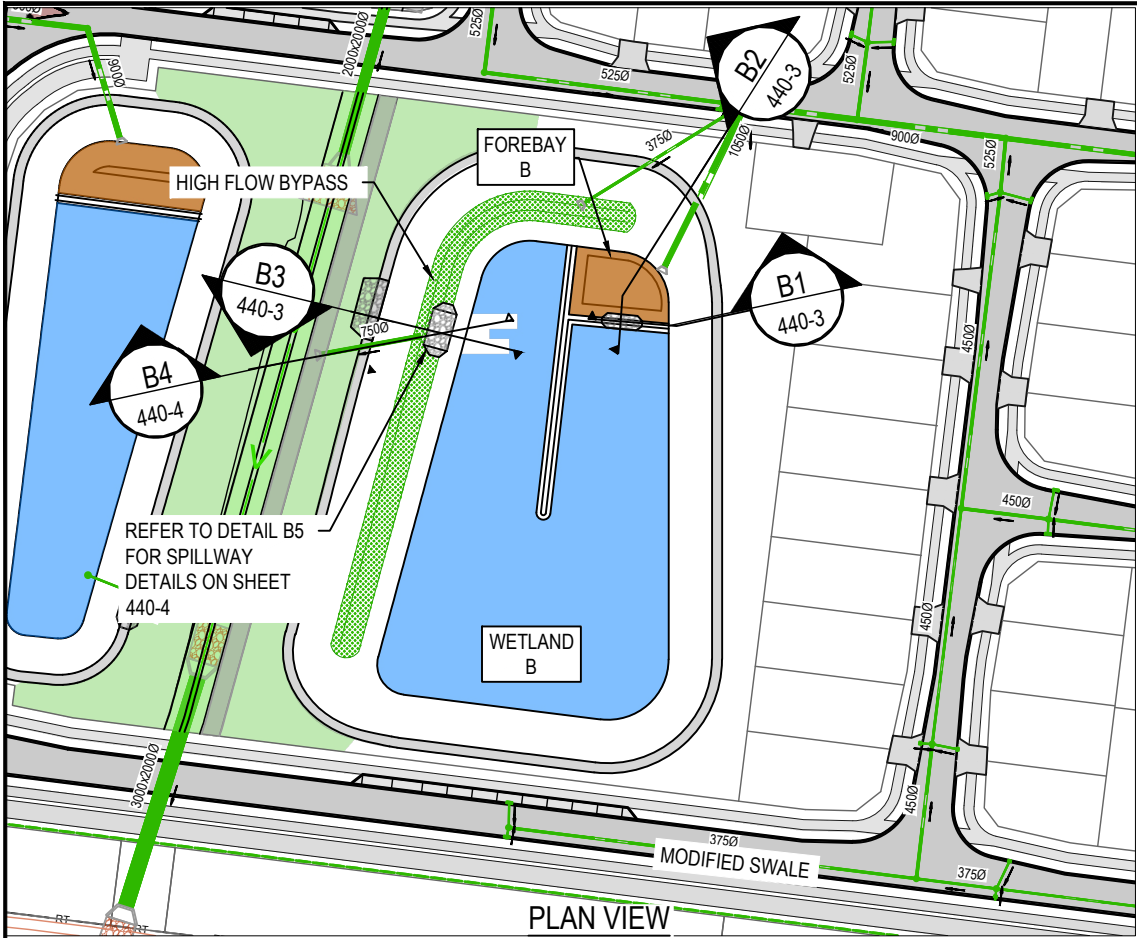
M **Maven Waikato**
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Level 1 286 Victoria Street, Hamilton
New Zealand

Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STAGE 1 WETLAND
DETAILS**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C440-SW WETLAND DETAILS.DWG
Drawing no.	C440-2
Rev	A

RESOURCE CONSENT



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Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

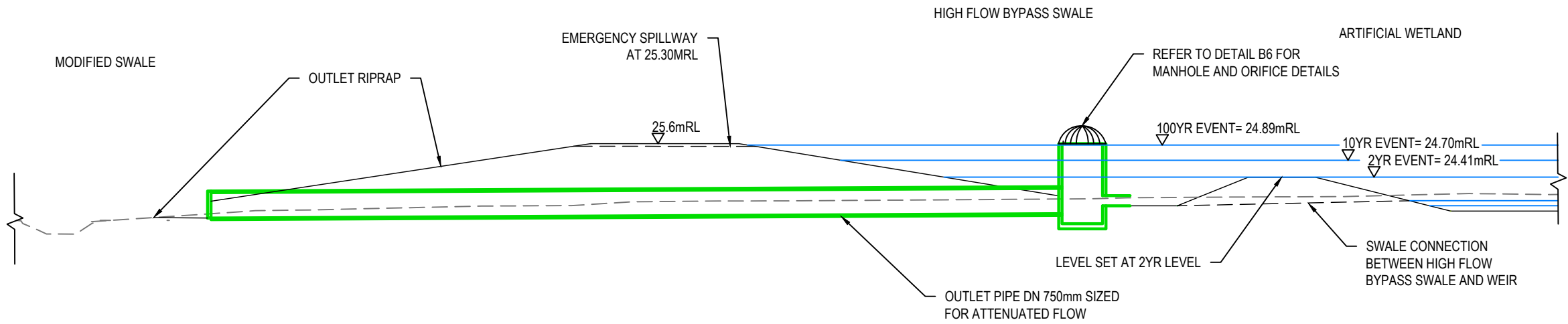
M **MAVEN** **Waikato**
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Level 1 286 Victoria Street, Hamilton
New Zealand

Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

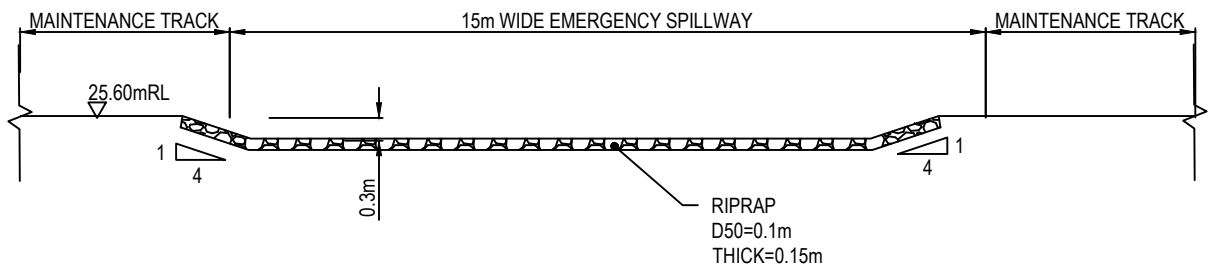
Title
**PROPOSED
STAGE 2 WETLAND
DETAILS**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C440-SW WETLAND DETAILS.DWG
Drawing no.	C440-3
Rev	A

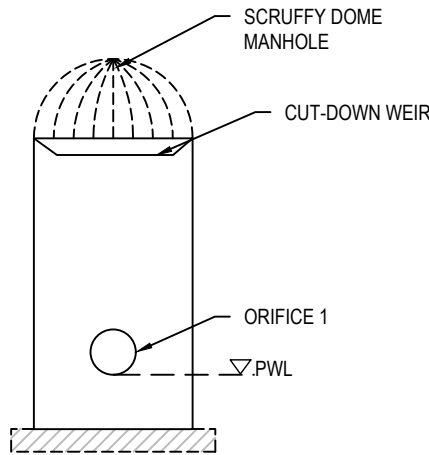
RESOURCE CONSENT



B4-WETLAND OUTLET SECTION DETAILS
SCALE 1:150



B5- EMERGENCY SPILLWAY SECTION DETAILS
SCALE 1:100



B6-OUTLET MANHOLE TYPICAL DETAIL
SCALE 1:100

Wetland B	
Base of wetland	23.90mRL
PWL	23.65mRL
EDL	24.05mRL
2YR	24.41mRL
10YR	24.70mRL
100YR	24.89mRL

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Rev	Description	By	Date
		By	Date
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Design	NK		10/2025
Drawn	NK		10/2025
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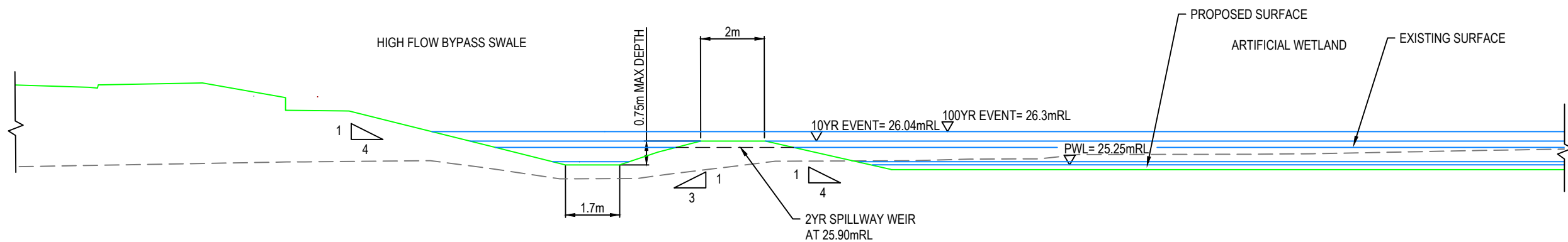
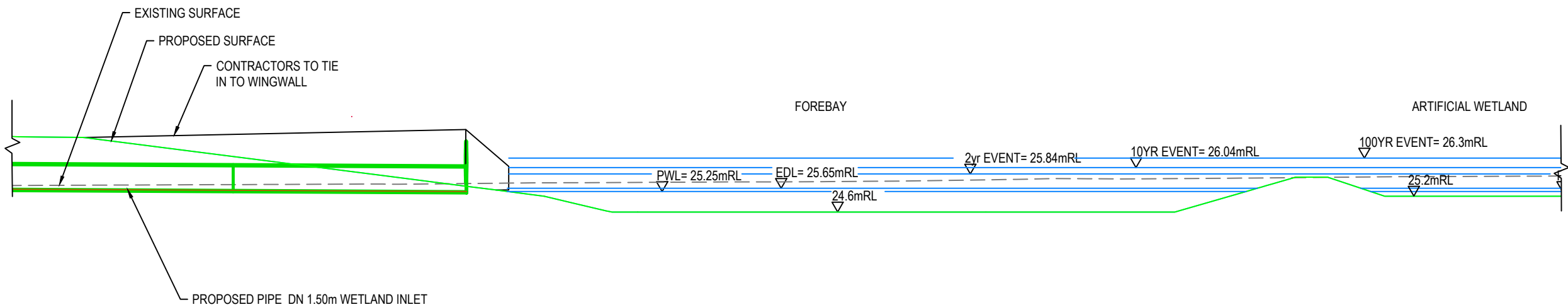
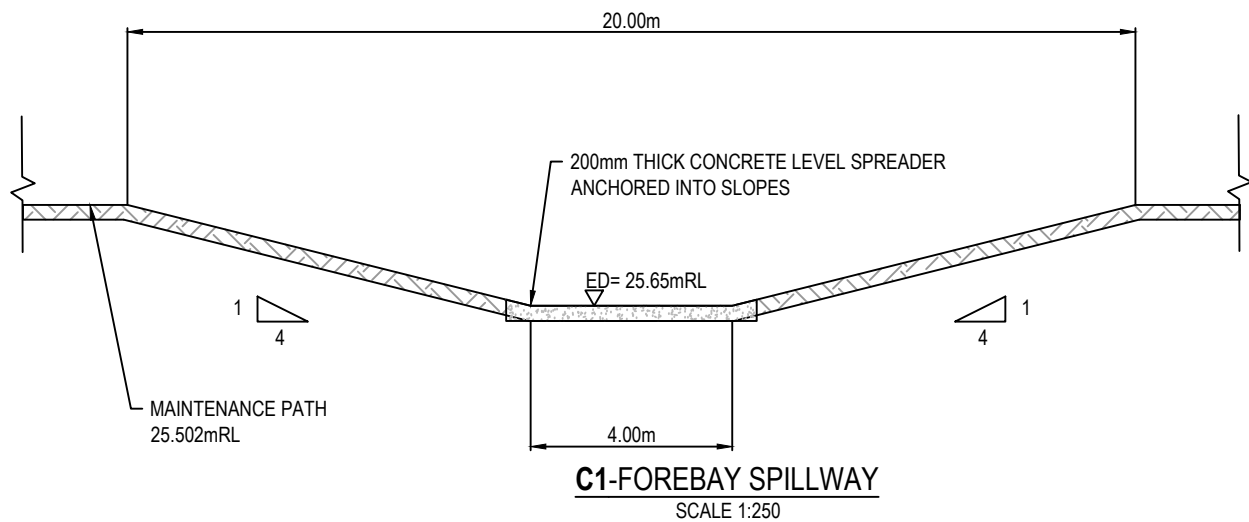
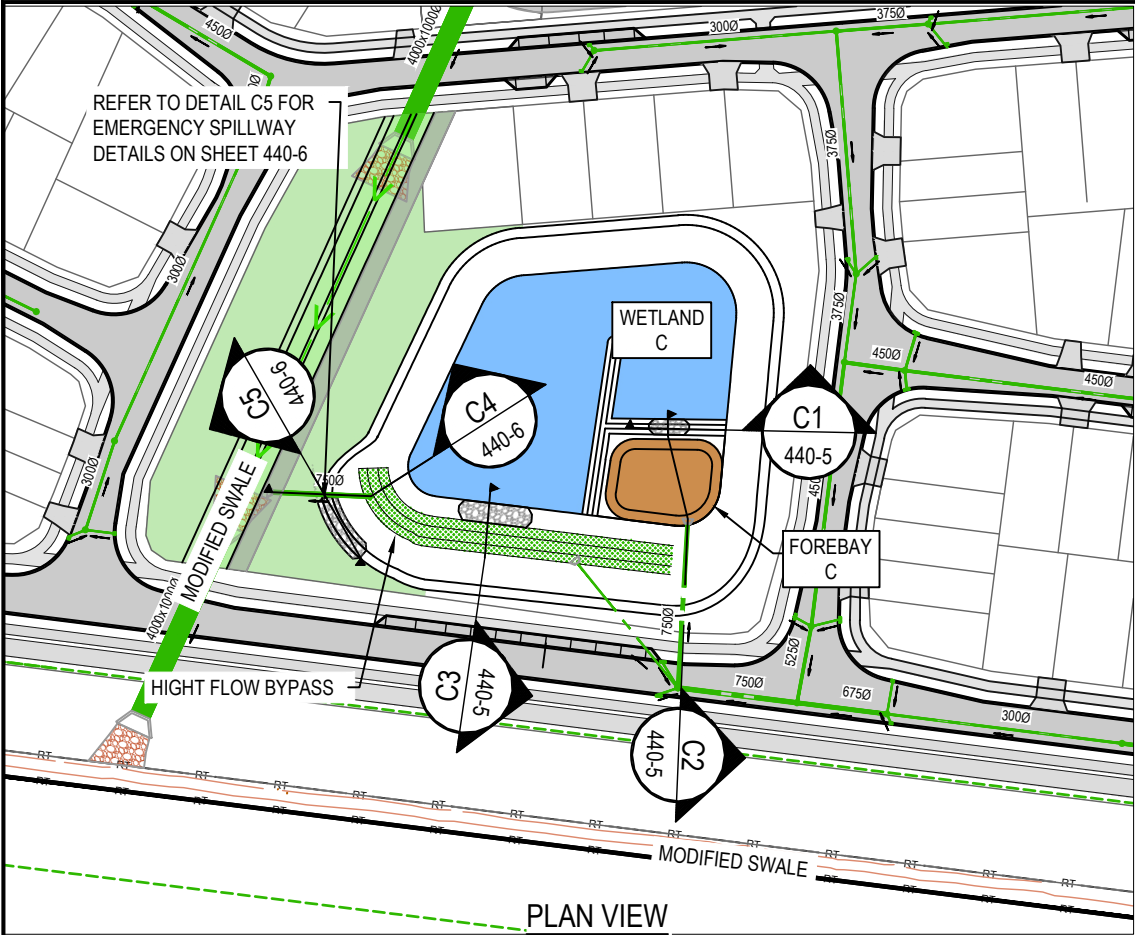
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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STAGE 2 WETLAND
DETAILS**

Project no.	119014		
Scale	1:1000 @ A3		
Cad file	119014-C440-SW WETLAND DETAILS.DWG		
Drawing no.	C440-4	Rev	A

RESOURCE CONSENT



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Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

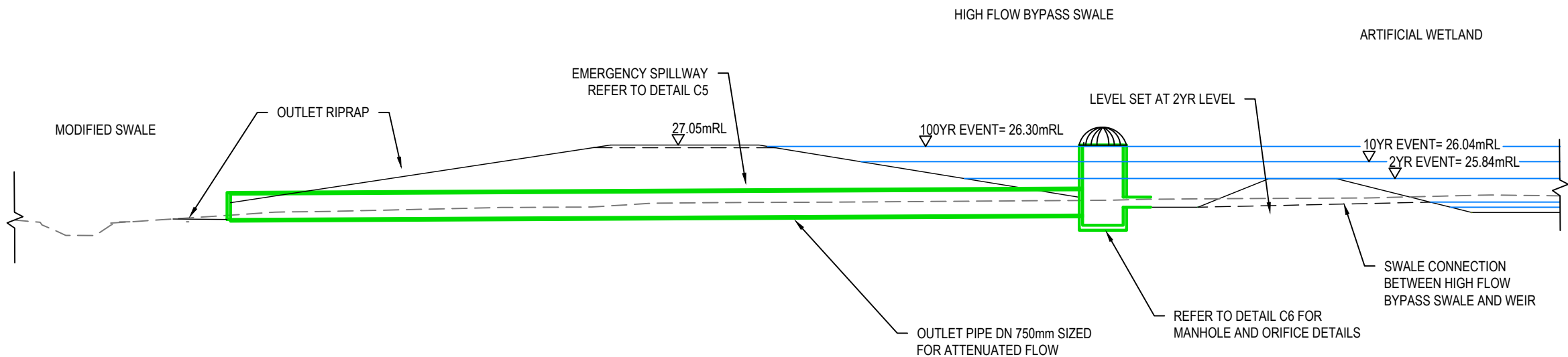


Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

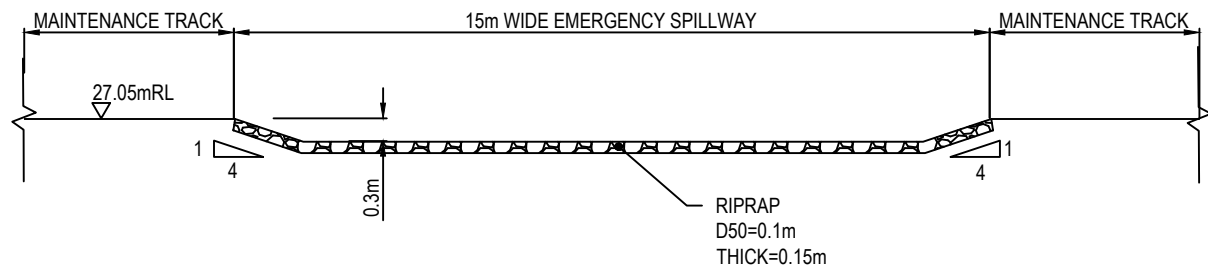
Title
**PROPOSED
STAGE 3 WETLAND
DETAILS**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C440-SW WETLAND DETAILS.DWG
Drawing no.	C440-5
Rev	A

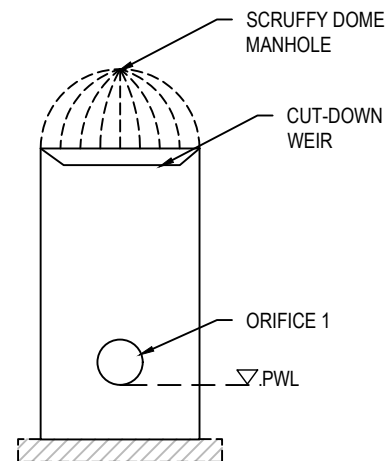
RESOURCE CONSENT



C4-WETLAND OUTLET SECTION DETAILS
SCALE 1:150



C5- EMERGENCY SPILLWAY SECTION DETAILS
SCALE 1:100



C6-OUTLET MANHOLE TYPICAL DETAIL
SCALE 1:100

Wetland C	
Base of wetland	25.20mRL
PWL	25.25mRL
EDL	25.65mRL
2YR	25.84mRL
10YR	26.04mRL
100YR	26.30mRL

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Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

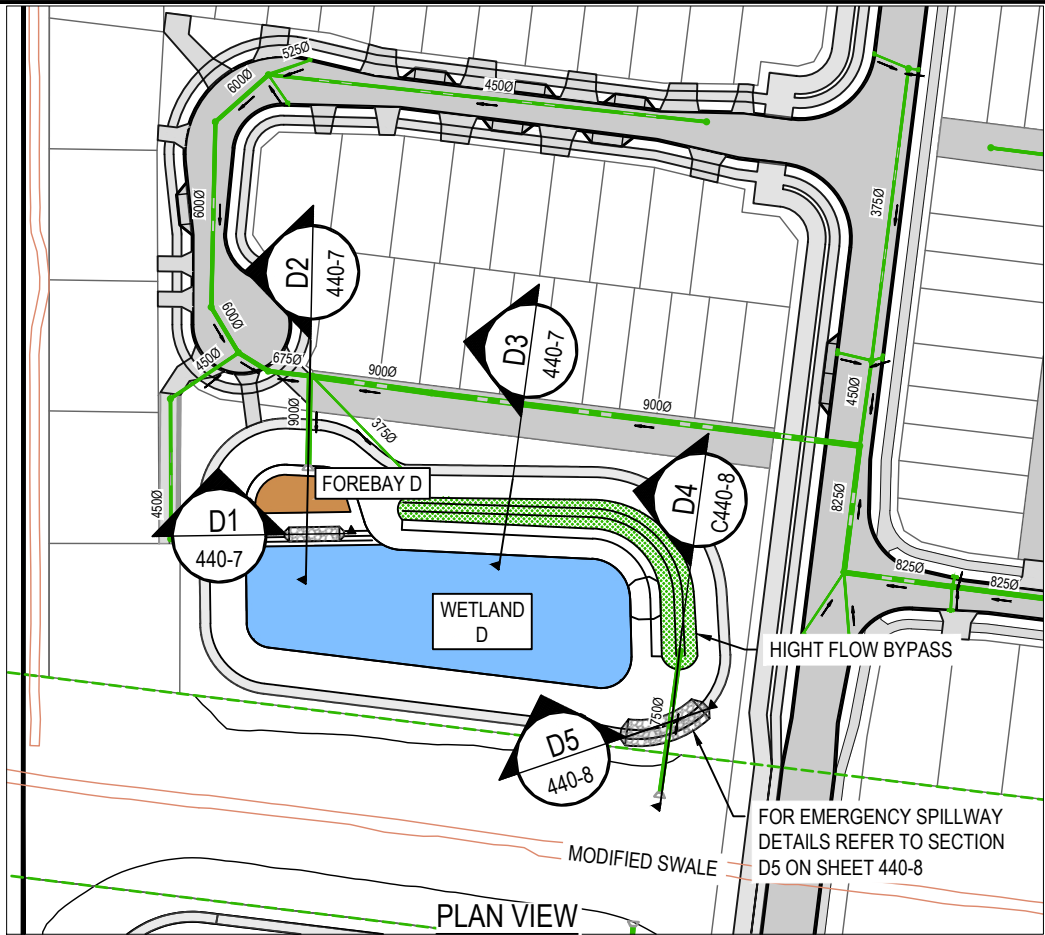
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Project
**BRYMER FARMS
FOR
BRYMER FARMS
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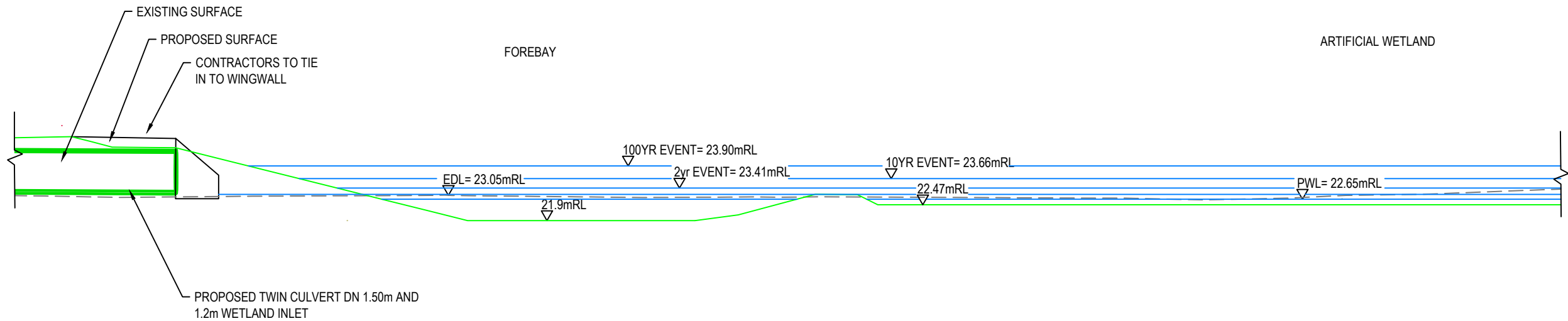
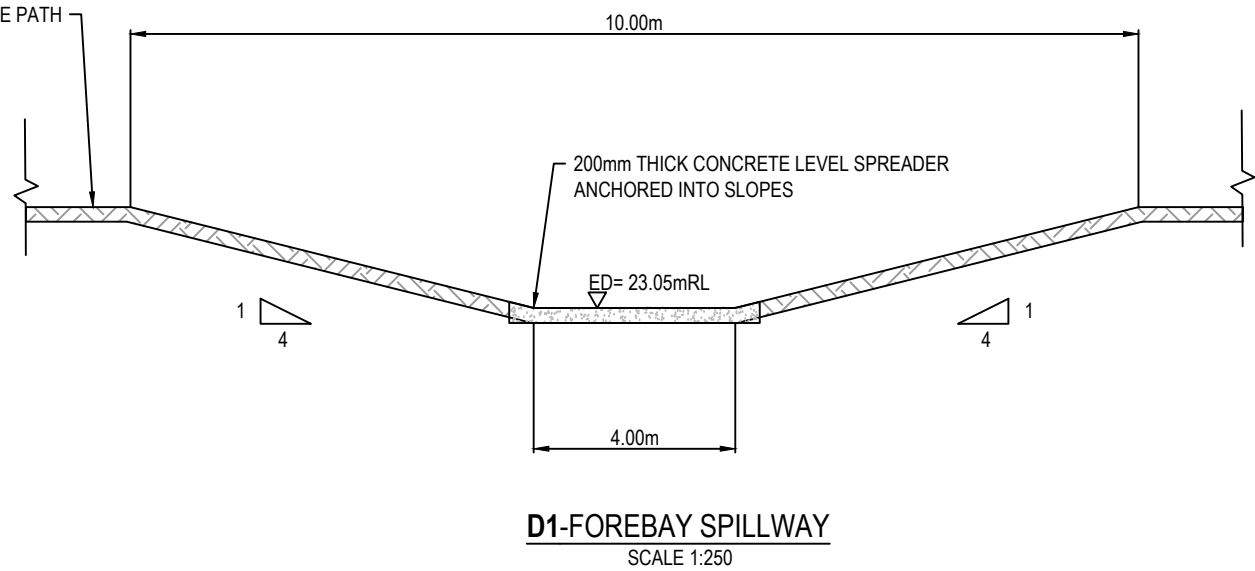
Title
**PROPOSED
STAGE 3 WETLAND
DETAILS**

Project no.	119014		
Scale	1:1000 @ A3		
Cad file	119014-C440-SW WETLAND DETAILS.DWG		
Drawing no.	C440-6	Rev	A

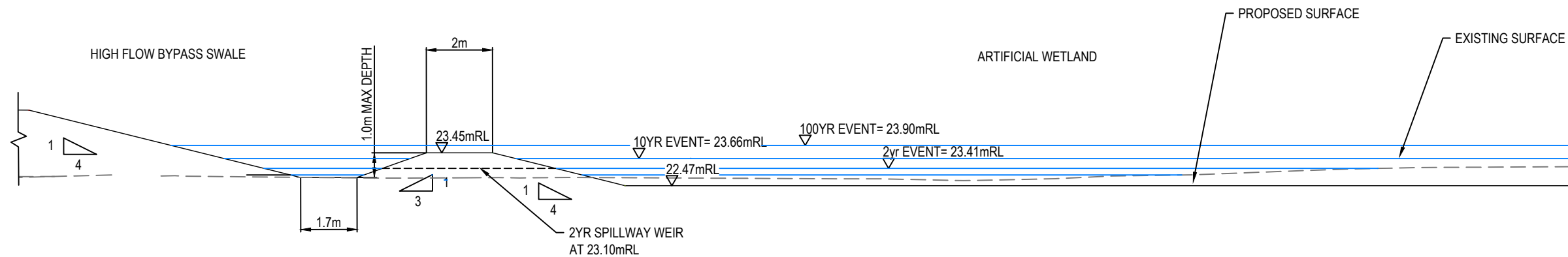
RESOURCE CONSENT



MAINTENANCE PATH
25.502mRL



D2-FORBAY AND WETLAND INTERFACE TYPICAL DETAIL
SCALE 1:150



D3-HIGH FLOW BYPASS AND WETLAND TYPICAL DETAIL
SCALE 1:150

NOTES

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A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

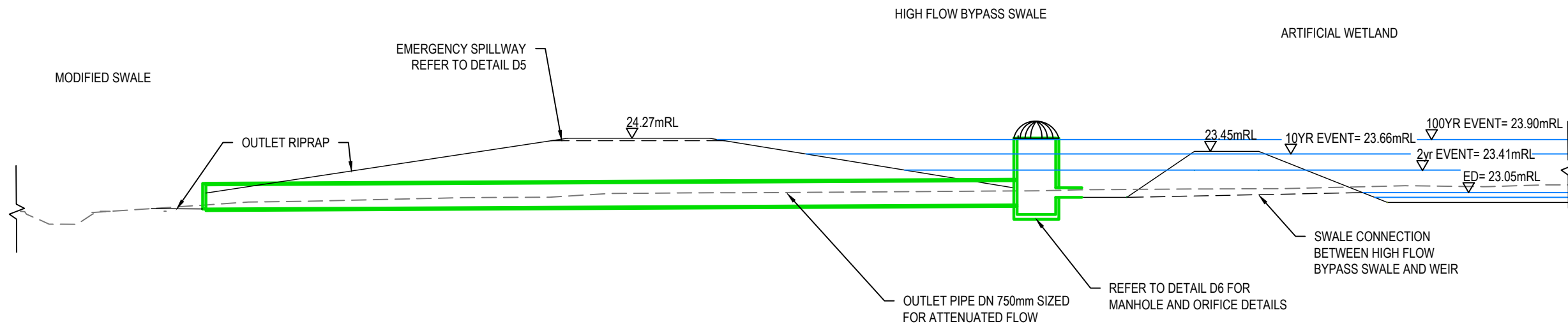


Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

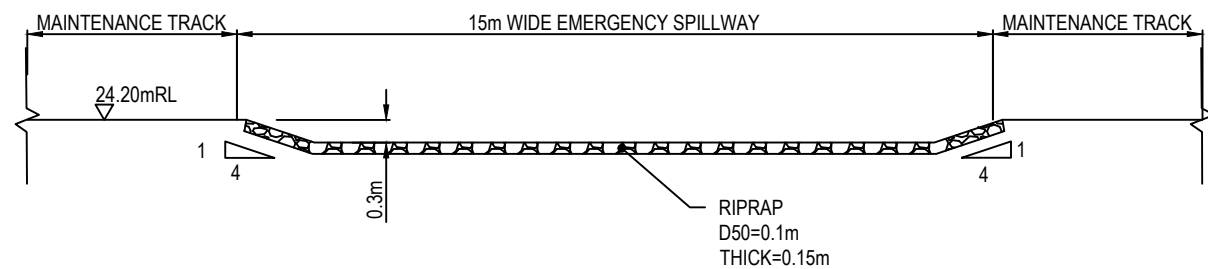
Title
**PROPOSED
STAGE 4 WETLAND
DETAILS**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C440-SW WETLAND DETAILS.DWG
Drawing no.	C440-7
Rev	A

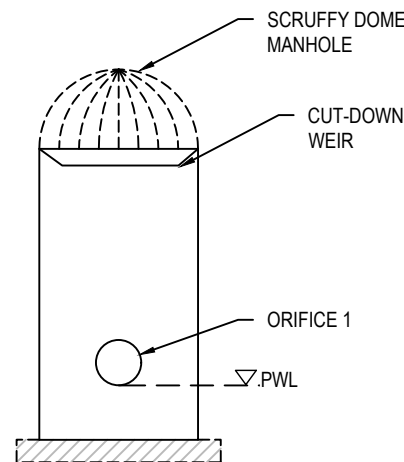
RESOURCE CONSENT



D4-WETLAND OUTLET SECTION DETAILS
SCALE 1:150



D5- EMERGENCY SPILLWAY SECTION DETAILS
SCALE 1:100



D6-OUTLET MANHOLE TYPICAL DETAIL
SCALE 1:100

Wetland D	
Base of wetland	22.47mRL
PWL	22.65mRL
EDL	23.05mRL
2YR	23.41mRL
10YR	23.66mRL
100YR	23.90mRL

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A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			



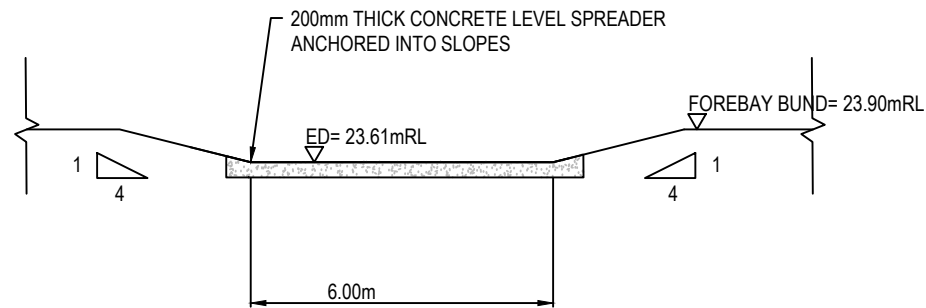
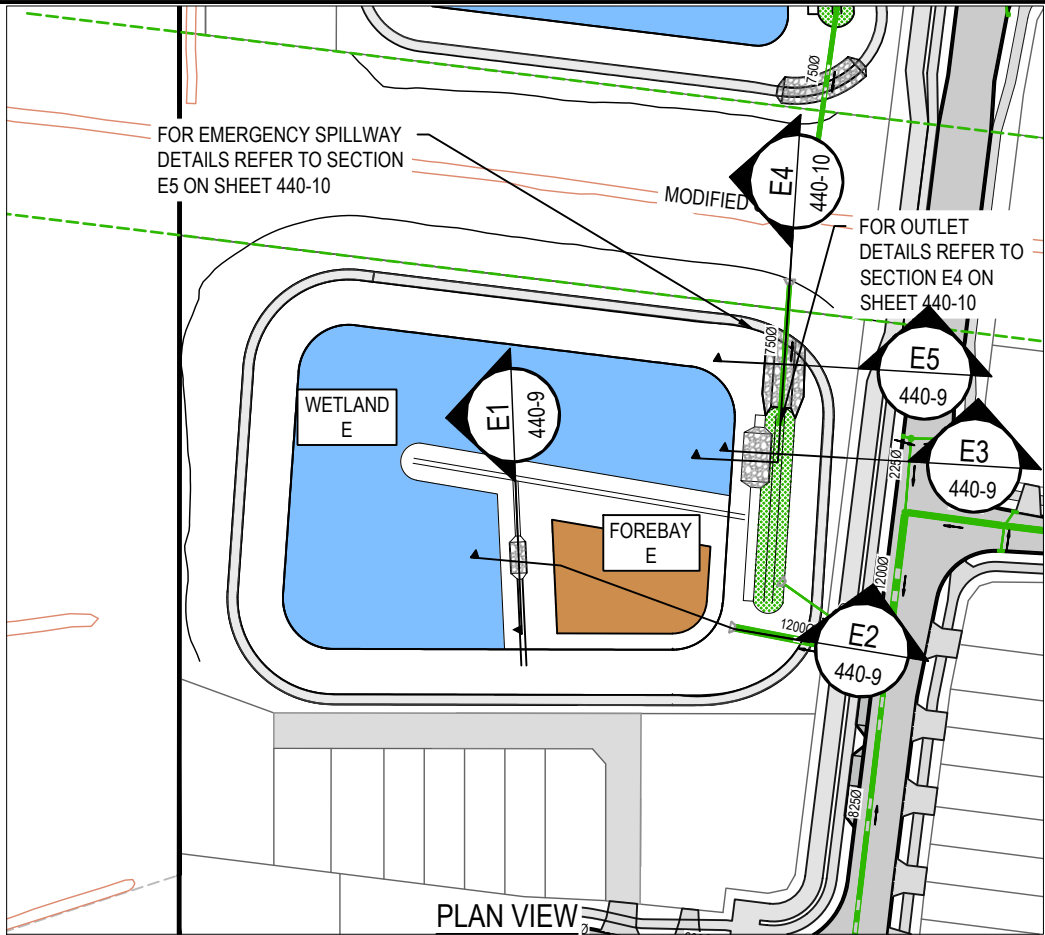
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Project
**BRYMER FARMS
FOR
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LIMITED**

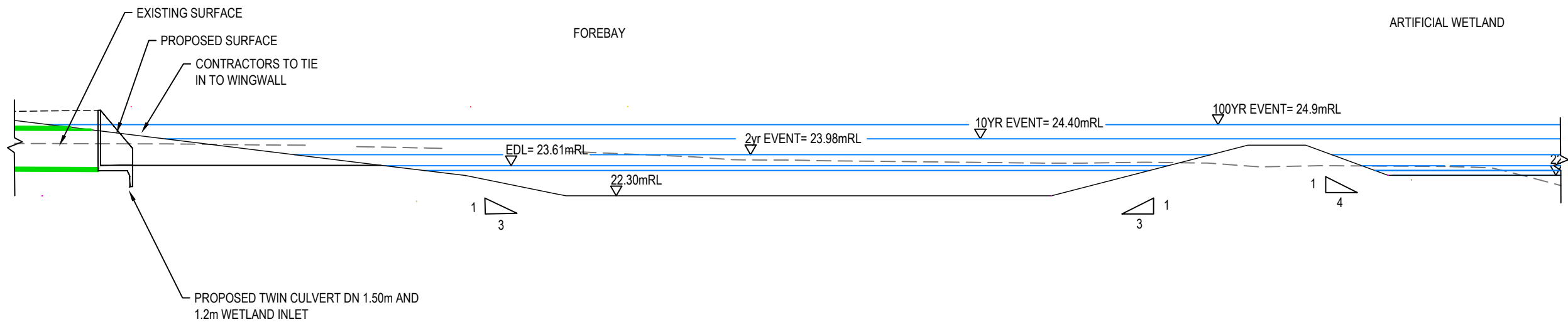
Title
**PROPOSED
STAGE 4 WETLAND
DETAILS**

Project no.	119014		
Scale	1:1000 @ A3		
Cad file	119014-C440-SW WETLAND DETAILS.DWG		
Drawing no.	C440-8	Rev	B

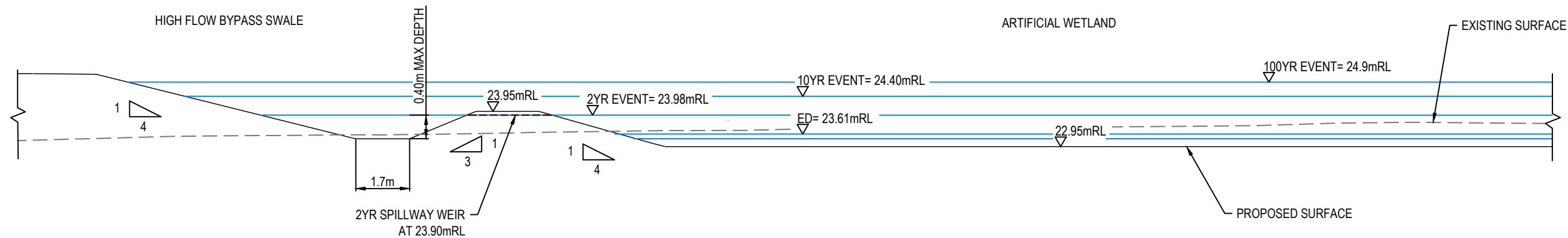
RESOURCE CONSENT



E1-FOREBAY SPILLWAY
SCALE 1:250



E2-FORBAY AND WETLAND INTERFACE TYPICAL DETAIL
SCALE 1:150



E3-HIGH FLOW BYPASS AND WETLAND TYPICAL DETAIL
SCALE 1:150

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A	FAST TRACK	NK	08/2026
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Survey	MAVEN		10/2025
Design	NK		10/2025
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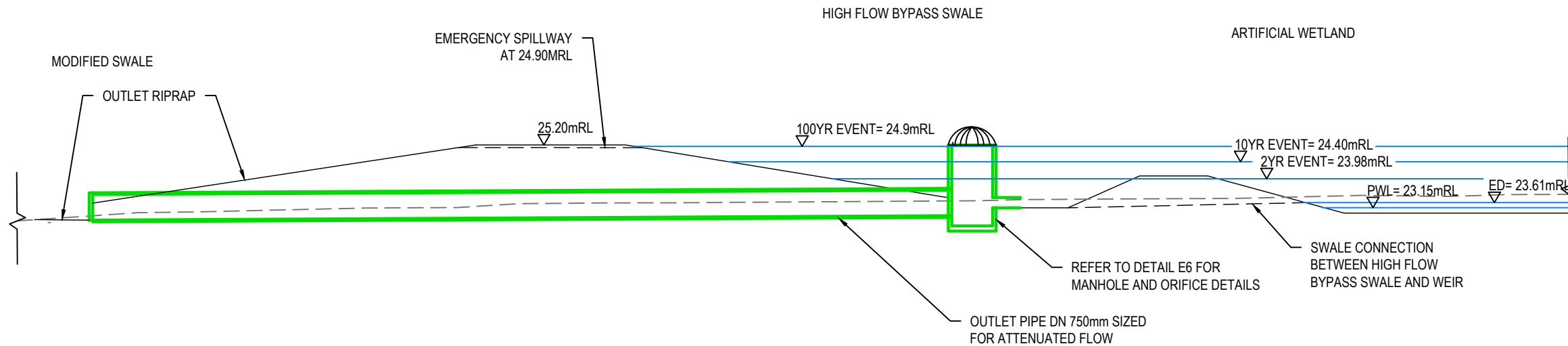
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Project
**BRYMER FARMS
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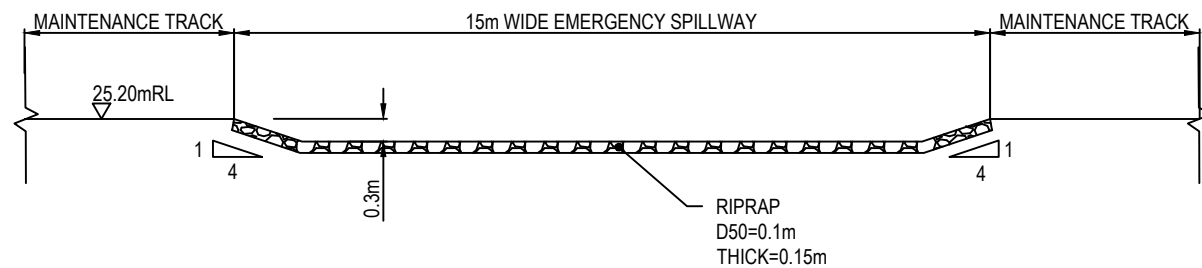
Title
**PROPOSED
STAGE 5 WETLAND
DETAILS**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C440-SW WETLAND DETAILS.DWG
Drawing no.	C440-9
Rev	B

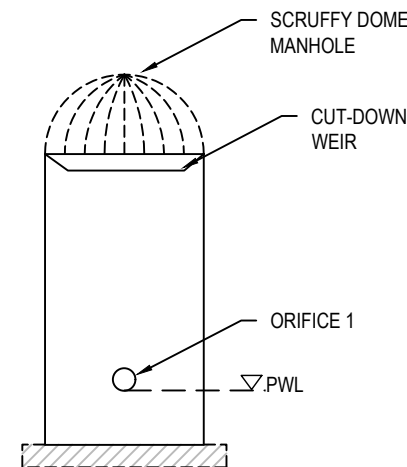
RESOURCE CONSENT



E4-WETLAND OUTLET SECTION DETAILS
SCALE 1:150



E5- EMERGENCY SPILLWAY SECTION DETAILS
SCALE 1:100



E6-OUTLET MANHOLE TYPICAL DETAIL
SCALE 1:100

Wetland E	
Base of wetland	22.95mRL
PWL	23.15mRL
EDL	23.61mRL
2YR	23.98mRL
10YR	24.40mRL
100YR	24.90mRL

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A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

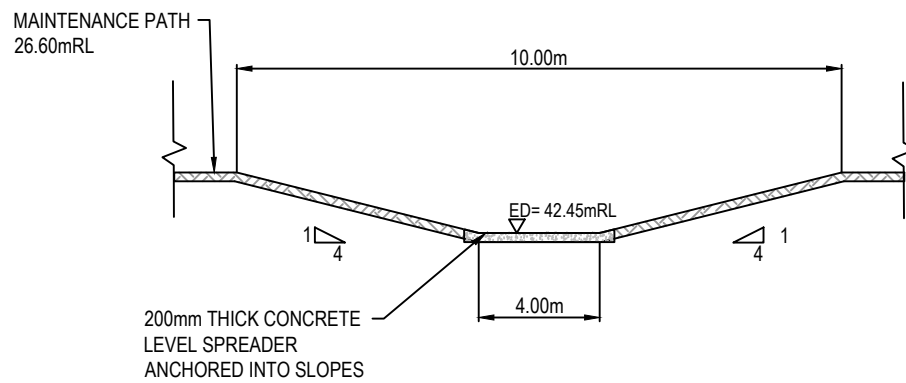
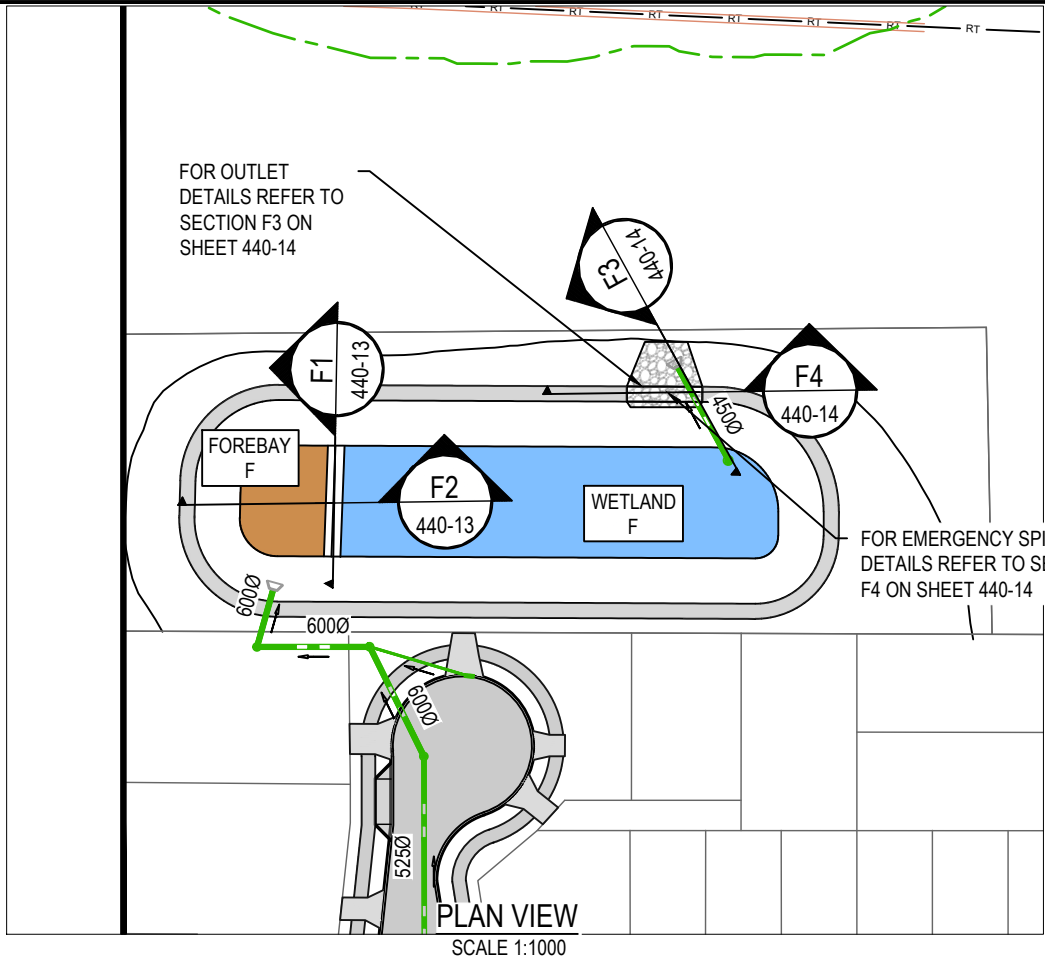
M **Maven Waikato**
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New Zealand

Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

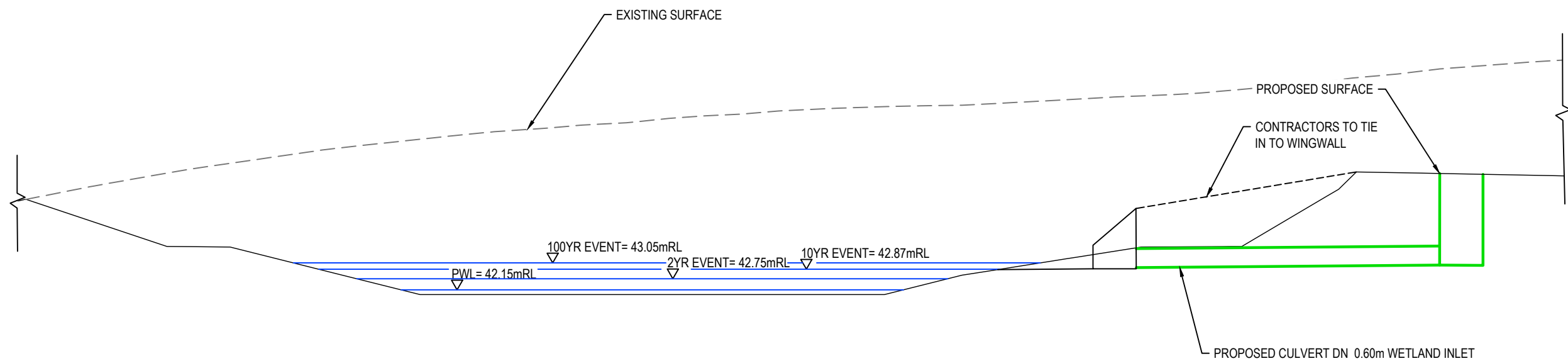
Title
**PROPOSED
STAGE 1 WETLAND
DETAILS**

Project no.	119014		
Scale	1:1000 @ A3		
Cad file	119014-C440-SW WETLAND DETAILS.DWG		
Drawing no.	C440-10	Rev	A

RESOURCE CONSENT



F1-FOREBAY SPILLWAY
SCALE 1:250



F2-FORBAY AND WETLAND INTERFACE TYPICAL DETAIL
SCALE 1:150

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
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Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

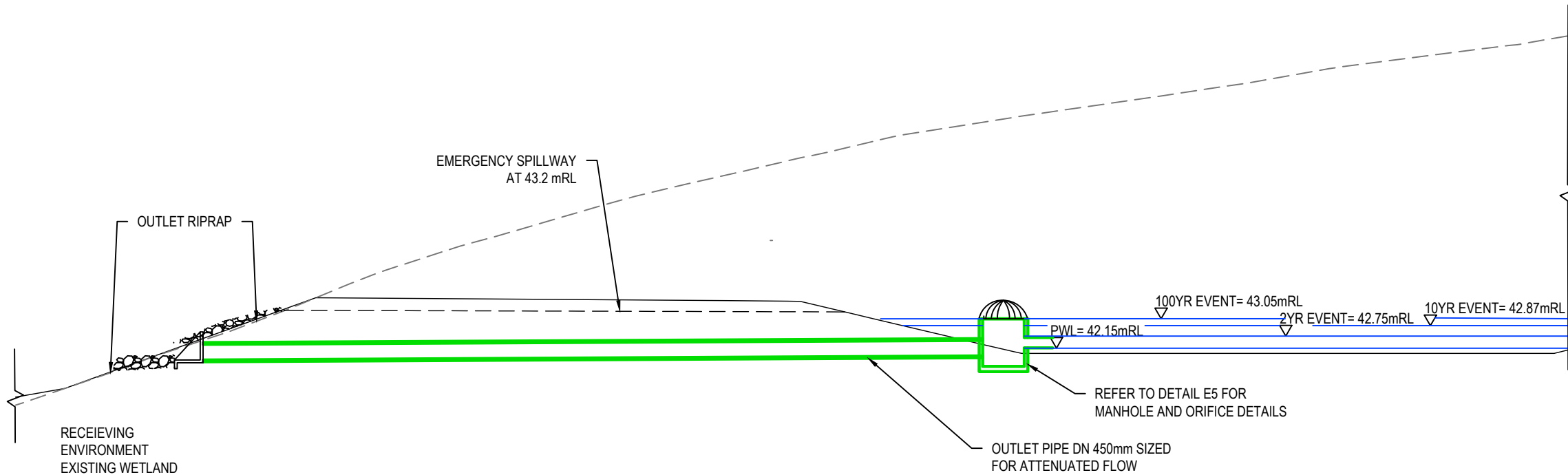
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Project
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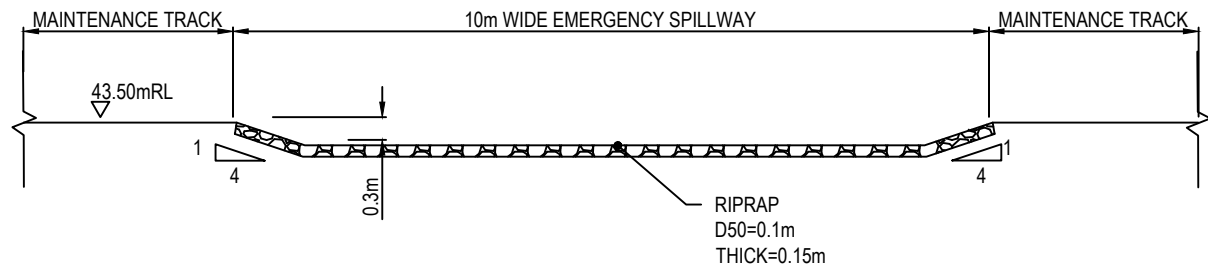
Title
**PROPOSED
STAGE 6 WETLAND
DETAILS**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C440-SW WETLAND DETAILS.DWG
Drawing no.	C440-11
Rev	A

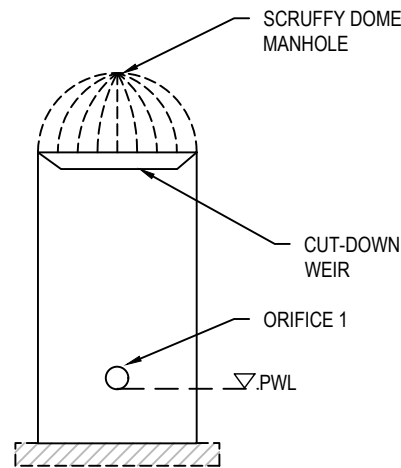
RESOURCE CONSENT



F3-WETLAND OUTLET SECTION DETAILS
SCALE 1:150



F4- EMERGENCY SPILLWAY SECTION DETAILS
SCALE 1:100



F5-OUTLET MANHOLE TYPICAL DETAIL
SCALE 1:100

Wetland F	
Base of wetland	42.00mRL
PWL	42.15mRL
EDL	42.45mRL
2YR	42.75mRL
10YR	42.87mRL
100YR	43.05mRL

- NOTES
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A	FAST TRACK	NK	08/202
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

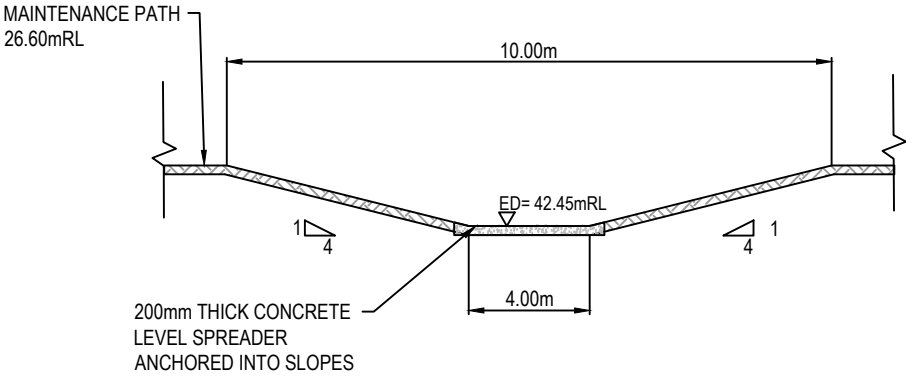
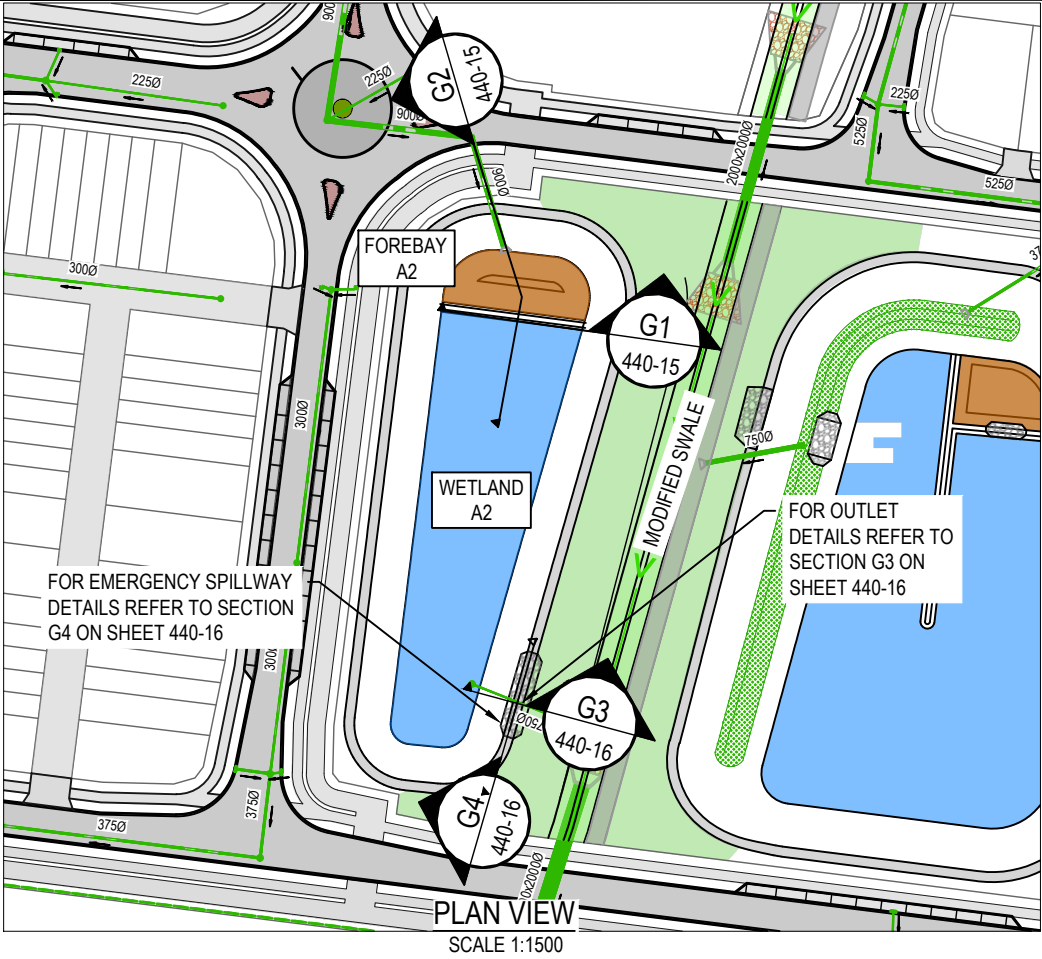
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New Zealand

Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

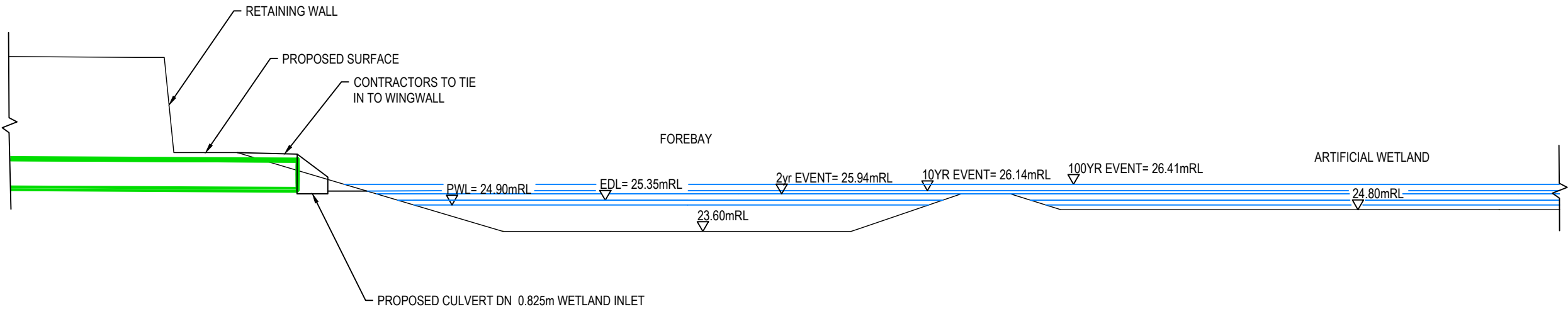
Title
**PROPOSED
STAGE 6 WETLAND
DETAILS**

Project no.	119014		
Scale	1:1000 @ A3		
Cad file	119014-C440-SW WETLAND DETAILS.DWG		
Drawing no.	C440-12	Rev	A

RESOURCE CONSENT



G1-FOREBAY SPILLWAY
SCALE 1:250



G2-FORBAY AND WETLAND INTERFACE TYPICAL DETAIL
SCALE 1:150

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A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	NK		10/2025
Drawn	NK		10/2025
Checked			

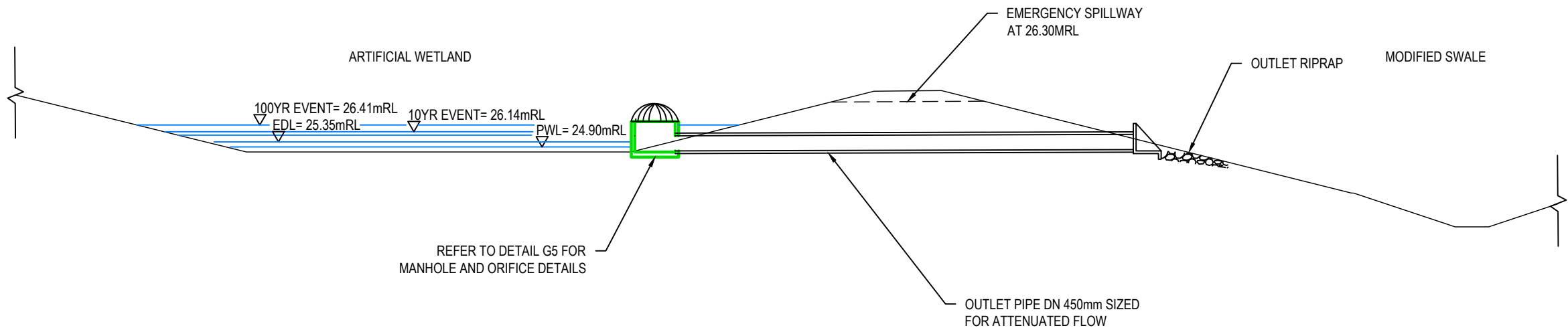


Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

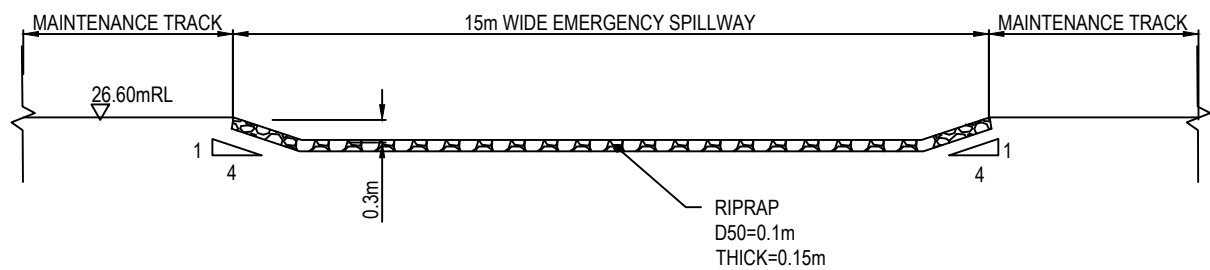
Title
**PROPOSED
STAGE 1 WETLAND
DETAILS**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C440-SW WETLAND DETAILS.DWG
Drawing no.	C440-15
Rev	A

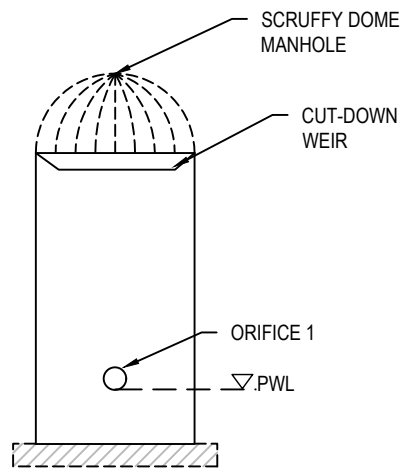
RESOURCE CONSENT



G3-WETLAND OUTLET SECTION DETAILS
SCALE 1:150



G4- EMERGENCY SPILLWAY SECTION DETAILS
SCALE 1:100



G5-OUTLET MANHOLE TYPICAL DETAIL
SCALE 1:100

Wetland A2	
Base of wetland	24.80mRL
PWL	24.90mRL
EDL	25.35mRL
2YR	25.94mRL
10YR	26.14mRL
100YR	26.41mRL

- NOTES
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A	FAST TRACK	NK	08/2026
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	NK	10/2025	
Drawn	NK	10/2025	
Checked			



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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STAGE 1 WETLAND
DETAILS**

Project no.	119014		
Scale	1:1000 @ A3		
Cad file	119014-C440-SW WETLAND DETAILS.DWG		
Drawing no.	C440-16	Rev	A

RESOURCE CONSENT



CATCHMENT	SECTION	CATCHMENT AREA (Ha)	FLOW RATE FROM HEC- RAS MODEL (cms)	MAX DEPTH (m)	VELOCITY (m/s)	DEPTH x VELOCITY
A1	1	13.5	0.49	0.09	1.59	0.14
A2	2	4.9	0.12	0.07	1.2	0.08
A3	3	1.46	0.1	0.05	1.41	0.07

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LEGEND	
	EX BDY
	PROP BDY
	EX OLFP
	PR OLFP
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	ROCK RIP RAP
	EX WETLAND WITH 10m BUFFER

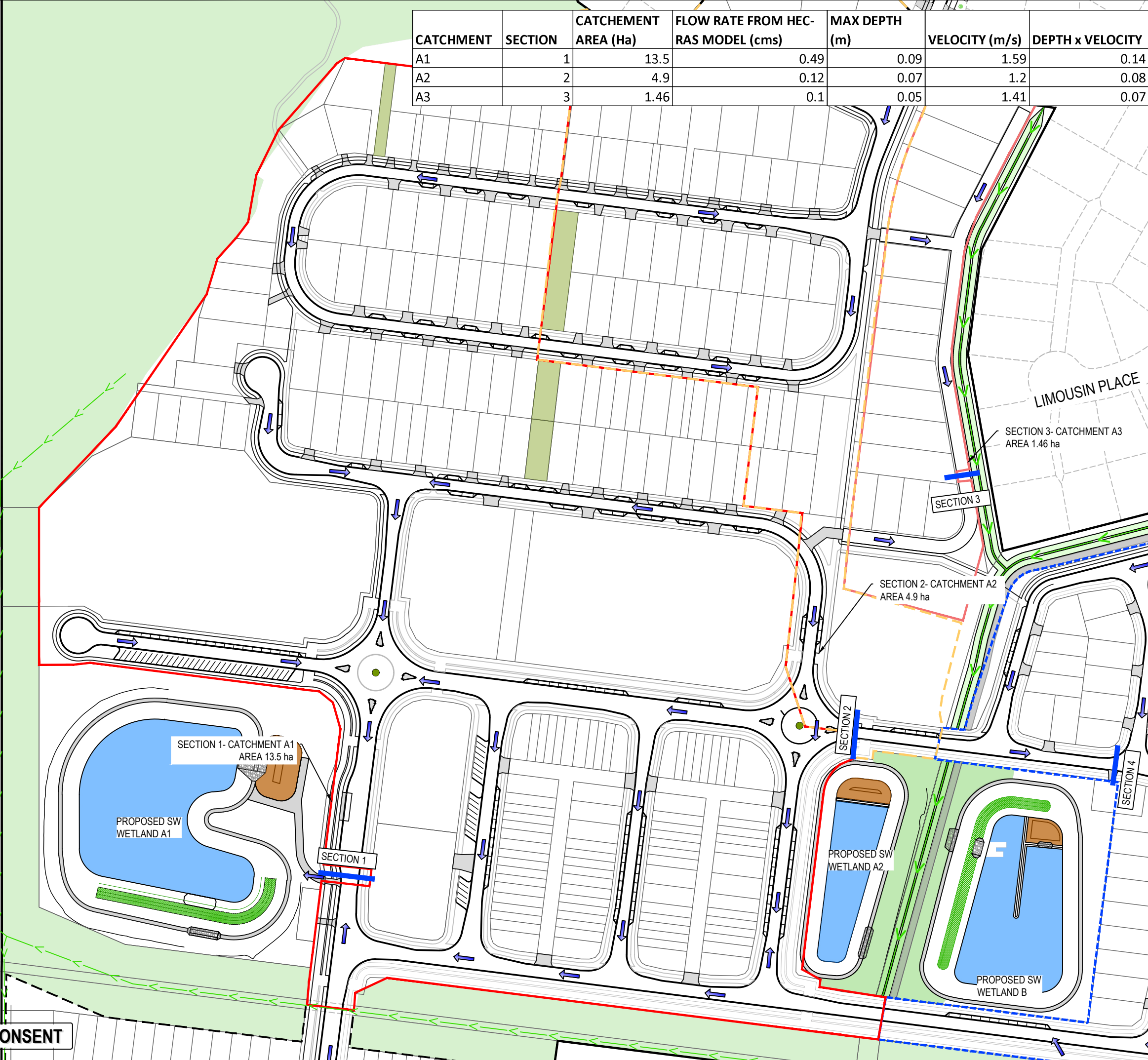
A	FAST TRACK	AP	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	BY		10/2025
Checked			



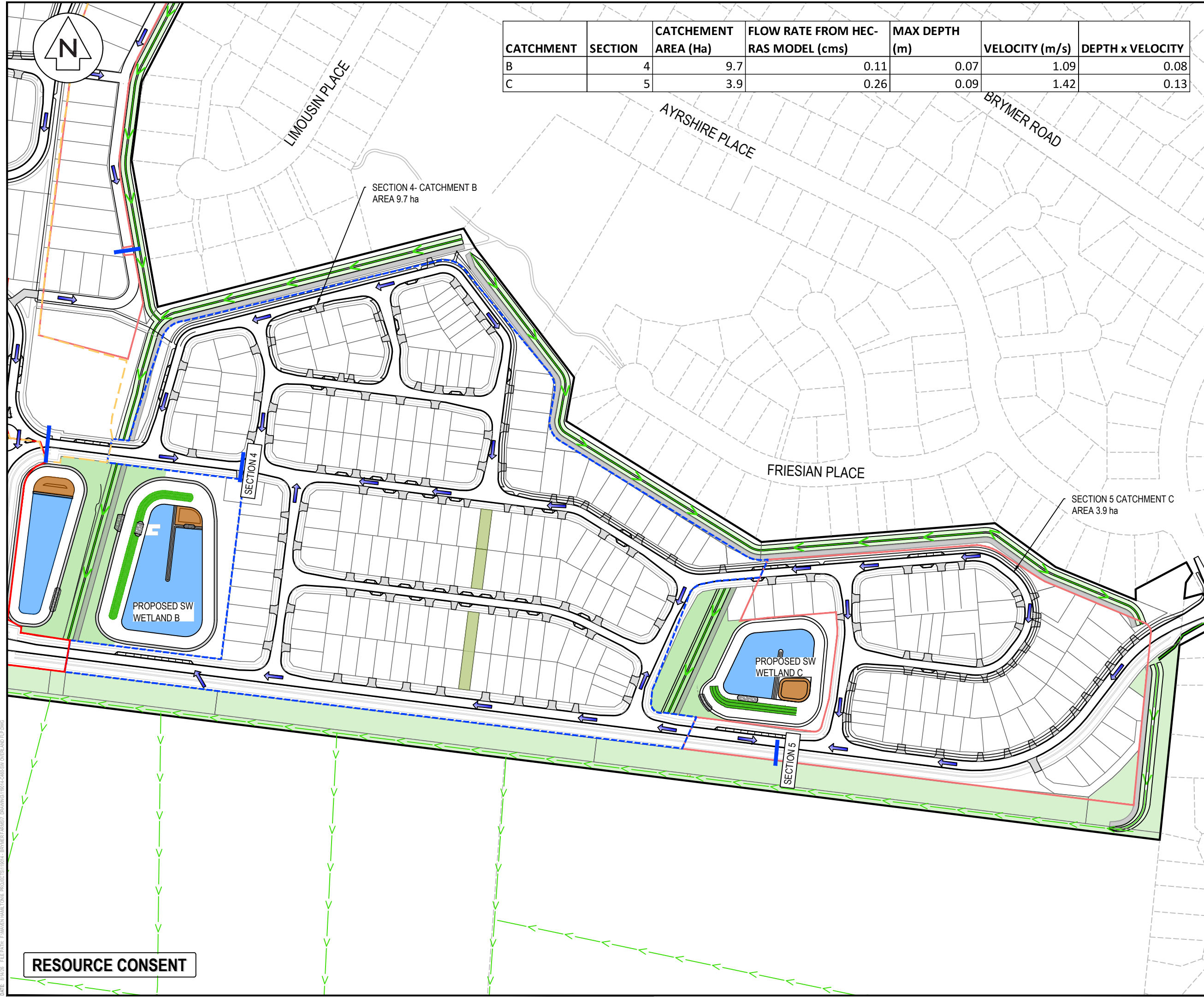
Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
OVERLAND FLOW PATH
PLAN**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C460-SW OVERLAND FLP.DWG
Drawing no.	C460-1
Rev	A



RESOURCE CONSENT



CATCHMENT	SECTION	CATCHMENT AREA (Ha)	FLOW RATE FROM HEC-RAS MODEL (cms)	MAX DEPTH (m)	VELOCITY (m/s)	DEPTH x VELOCITY
B	4	9.7	0.11	0.07	1.09	0.08
C	5	3.9	0.26	0.09	1.42	0.13

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LEGEND

- EX BDY
- PROP BDY
- EX OLFP
- PR OLFP
- PR WETLAND
- PR FOREBAY
- PR HIGH FLOW BYPASS
- ROCK RIP RAP
- EX WETLAND WITH 10m BUFFER

A	FAST TRACK	AP	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	BY		10/2025
Checked			

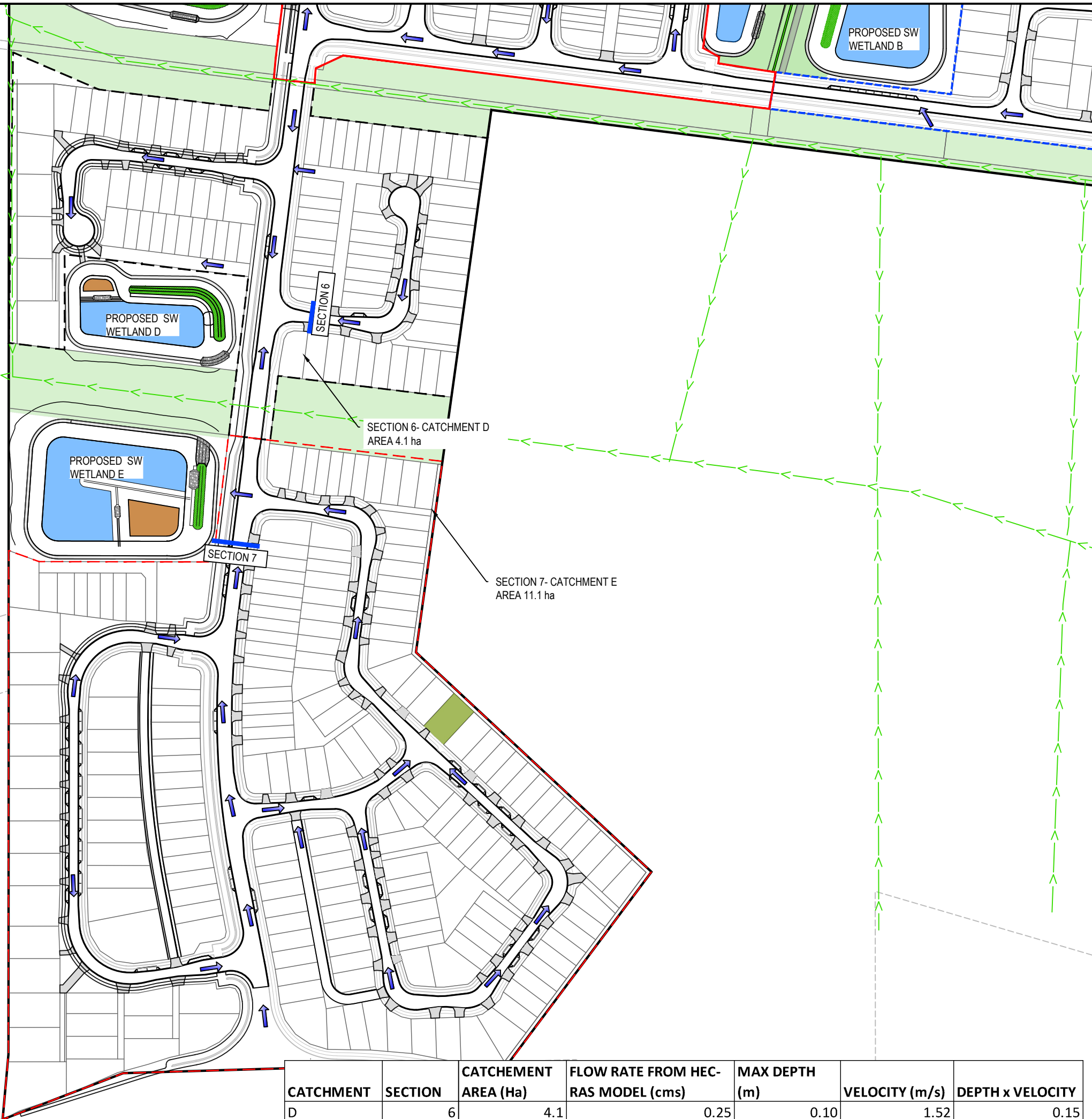
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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
OVERLAND FLOW PATH
PLAN**

Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C460-SW OVERLAND FLP.DWG
Drawing no.	C460-2
Rev	A

RESOURCE CONSENT



- NOTES
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LEGEND

	EX BDY
	PROP BDY
	EX OLFP
	PR OLFP
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	ROCK RIP RAP
	EX WETLAND WITH 10m BUFFER

A	FAST TRACK	AP	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	BY		10/2025
Checked			



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Project
**BRYMER FARMS
FOR
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LIMITED**

Title
**PROPOSED
OVERLAND FLOW PATH
PLAN**

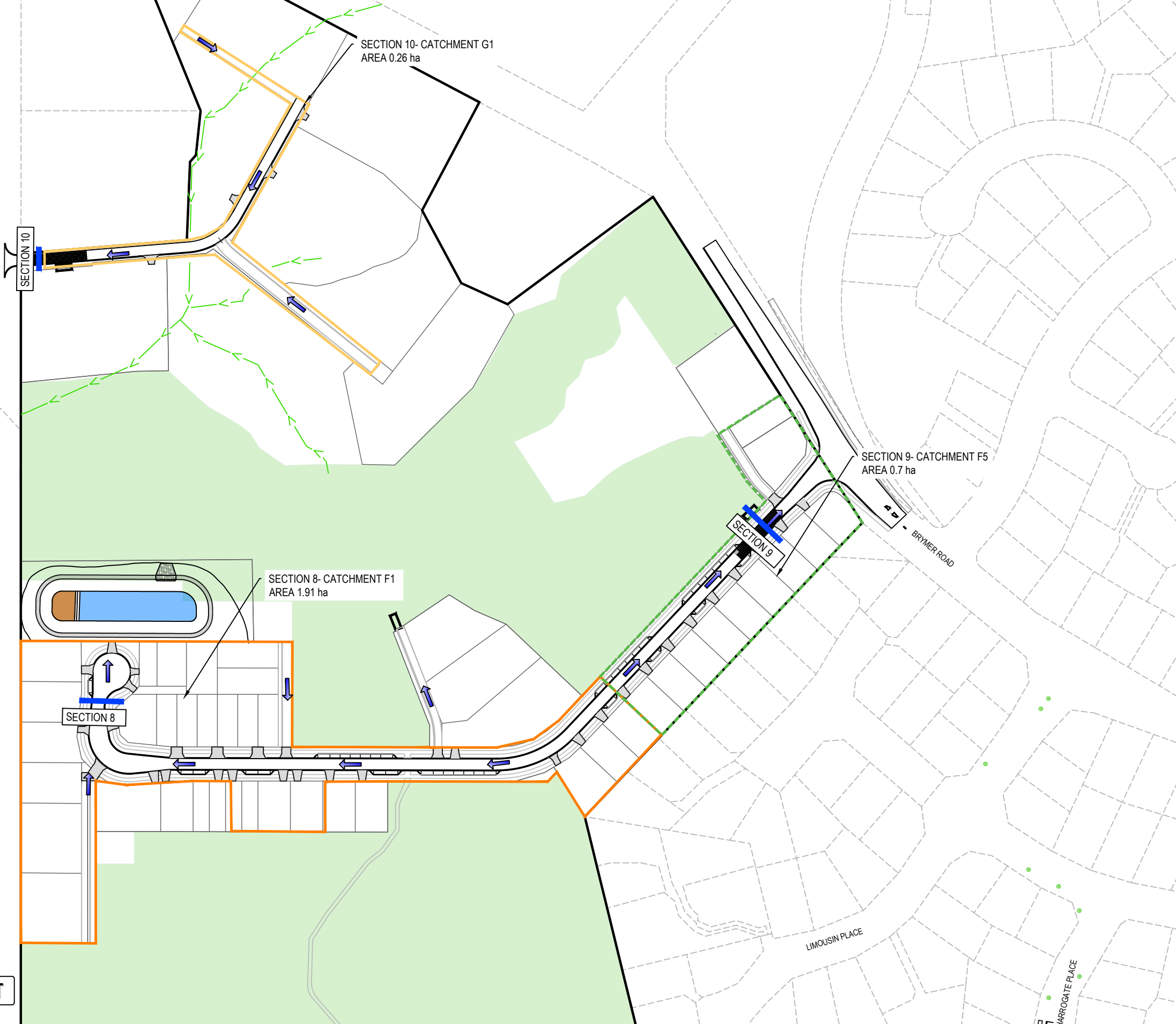
Project no.	119014
Scale	1:1000 @ A3
Cad file	119014-C460-SW OVERLAND FLP.DWG
Drawing no.	C460-3
Rev	A

RESOURCE CONSENT

CATCHMENT	SECTION	CATCHMENT AREA (Ha)	FLOW RATE FROM HEC-RAS MODEL (cms)	MAX DEPTH (m)	VELOCITY (m/s)	DEPTH x VELOCITY
D	6	4.1	0.25	0.10	1.52	0.15
E	7	11.1	0.15	0.07	1.31	0.10



CATCHMENT	SECTION	CATCHMENT AREA (Ha)	FLOW RATE FROM HEC-RAS MODEL (cms)	MAX DEPTH (m)	VELOCITY (m/s)	DEPTH x VELOCITY
F1	8	1.91	0.03	0.06	0.54	0.03
F5	9	0.7	1.00	0.13	2.19	0.28
G1	10	0.26	0.11	0.06	1.05	0.06



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LEGEND

	EX BDY
	PROP BDY
	EX OLFP
	PR OLFP
	PR WETLAND
	PR FOREBAY
	PR HIGH FLOW BYPASS
	ROCK RIP RAP
	EX WETLAND WITH 10m BUFFER

A	FAST TRACK	AP	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	BY		10/2025
Checked			



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Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
OVERLAND FLOW PATH
PLAN**

Project no.	119014		
Scale	1:1000 @ A3		
Cad file	119014-C460-SW OVERLAND FLP.DWG		
Drawing no.	C460-4	Rev	A

RESOURCE CONSENT

DATE: 8/14/28 FILEPATH: F:\MVEN\HAMILTON6 - PROJECTS\119014 - BRYMER FARMS\7 - DRAWING\119014-C460-SW OVERLAND FLOW PATH.DWG

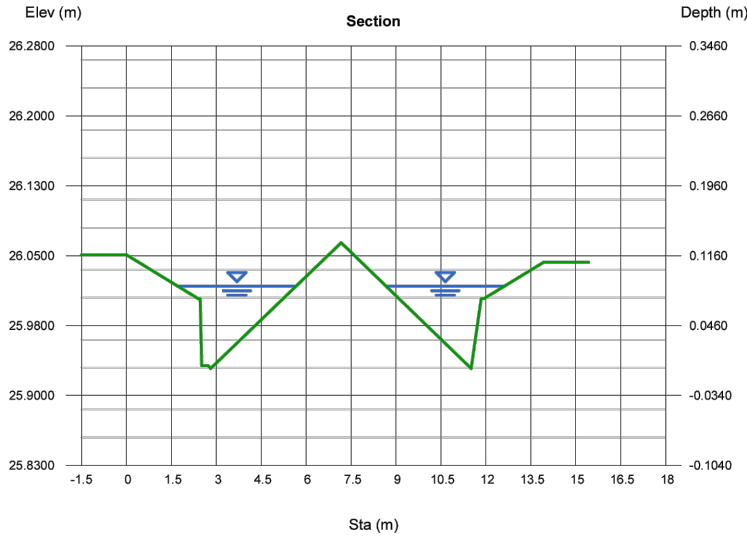
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Wednesday, Aug 12 2026

Section 01

User-defined		Highlighted	
Invert Elev (m)	= 25.9340	Depth (m)	= 0.0884
Slope (%)	= 3.1000	Q (cms)	= 0.4900
N-Value	= 0.012	Area (sqm)	= 0.3082
Calculations		Velocity (m/s)	= 1.5900
Compute by:	Known Q	Wetted Perim (m)	= 7.9599
Known Q (cms)	= 0.4900	Crit Depth, Yc (m)	= 0.1250
		Top Width (m)	= 7.9108
		EGL (m)	= 0.2173

(Sta, El, n)-(Sta, El, n)...
(0.0000, 26.0560)-(2.3900, 26.0090, 0.012)-(2.4600, 26.0090, 0.012)-(2.5100, 25.9370, 0.012)-(2.7300, 25.9340, 0.012)-(7.1700, 26.0690, 0.012)-(11.5100, 25.9340, 0.012)-(11.8400, 26.0090, 0.012)-(11.9400, 26.0090, 0.012)-(13.9300, 26.0480, 0.012)



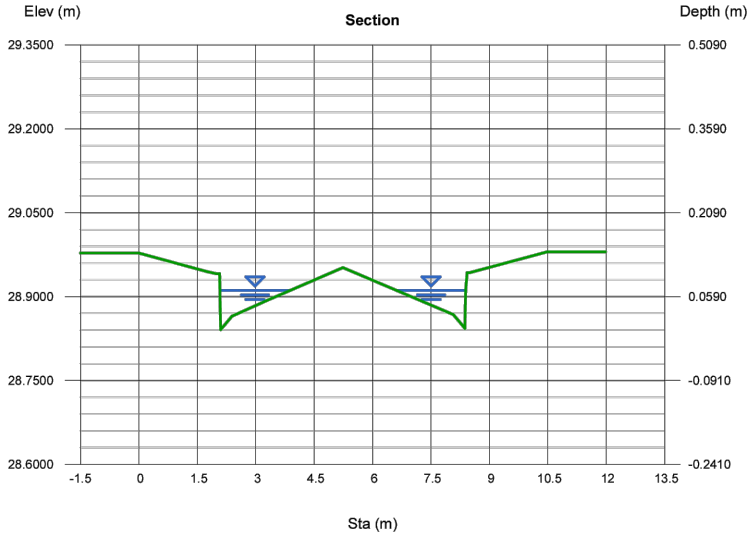
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Wednesday, Aug 12 2026

Section 02

User-defined		Highlighted	
Invert Elev (m)	= 28.8410	Depth (m)	= 0.0701
Slope (%)	= 3.1000	Q (cms)	= 0.120
N-Value	= 0.012	Area (sqm)	= 0.1002
Calculations		Velocity (m/s)	= 1.1977
Compute by:	Known Q	Wetted Perim (m)	= 3.6813
Known Q (cms)	= 0.1200	Crit Depth, Yc (m)	= 0.0945
		Top Width (m)	= 3.5749
		EGL (m)	= 0.1433

(Sta, El, n)-(Sta, El, n)...
(0.0000, 28.9780)-(1.7400, 28.9450, 0.012)-(1.9800, 28.9410, 0.012)-(2.0700, 28.9410, 0.012)-(2.1000, 28.8410, 0.012)-(2.3900, 28.8650, 0.012)-(3.2800, 28.8930, 0.012)-(5.2400, 28.9520, 0.012)-(8.0700, 28.8680, 0.012)-(8.2800, 28.8510, 0.012)-(8.3700, 28.8430, 0.012)-(8.3900, 28.9110, 0.012)-(8.4300, 28.9430, 0.012)-(8.5000, 28.9500, 0.012)-(9.8300, 28.9540, 0.012)-(10.4600, 28.9800, 0.012)



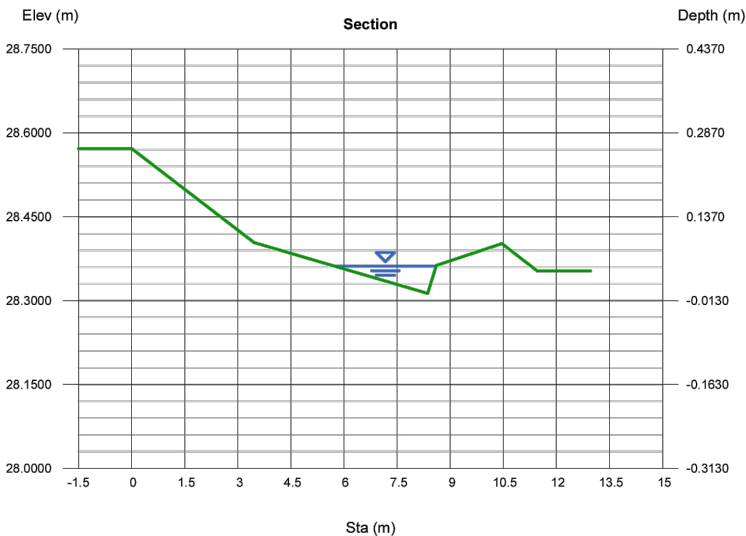
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Wednesday, Aug 12 2026

Section 03

User-defined		Highlighted	
Invert Elev (m)	= 28.3130	Depth (m)	= 0.0488
Slope (%)	= 5.3000	Q (cms)	= 0.100
N-Value	= 0.012	Area (sqm)	= 0.0708
Calculations		Velocity (m/s)	= 1.4131
Compute by:	Known Q	Wetted Perim (m)	= 3.0544
Known Q (cms)	= 0.1000	Crit Depth, Yc (m)	= 0.0762
		Top Width (m)	= 3.0489
		EGL (m)	= 0.1506

(Sta, El, n)-(Sta, El, n)...
(0.0000, 28.5720)-(3.4600, 28.4040, 0.012)-(8.3600, 28.3130, 0.012)-(8.6100, 28.3630, 0.012)-(10.4600, 28.4020, 0.012)-(11.4600, 28.3530, 0.012)



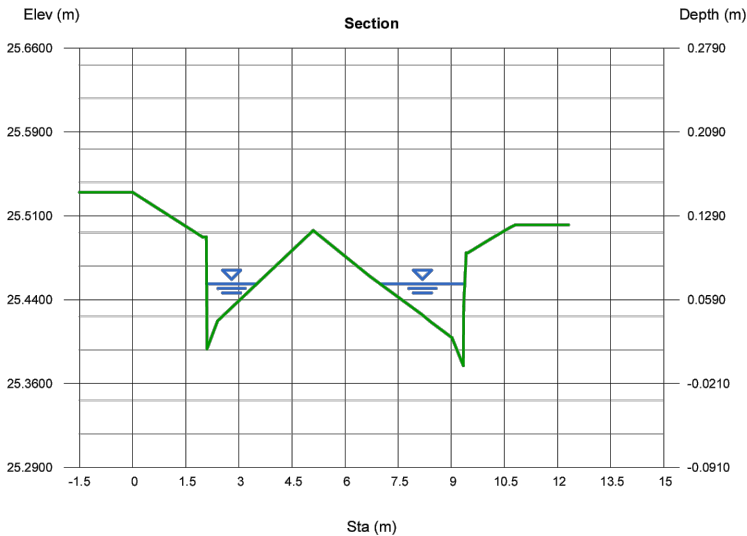
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Wednesday, Aug 12 2026

Section 04

User-defined		Highlighted	
Invert Elev (m)	= 25.3810	Depth (m)	= 0.0732
Slope (%)	= 3.0000	Q (cms)	= 0.110
N-Value	= 0.012	Area (sqm)	= 0.1009
Calculations		Velocity (m/s)	= 1.0901
Compute by:	Known Q	Wetted Perim (m)	= 3.9029
Known Q (cms)	= 0.1100	Crit Depth, Yc (m)	= 0.0945
		Top Width (m)	= 3.8020
		EGL (m)	= 0.1338

(Sta, El, n)-(Sta, El, n)...
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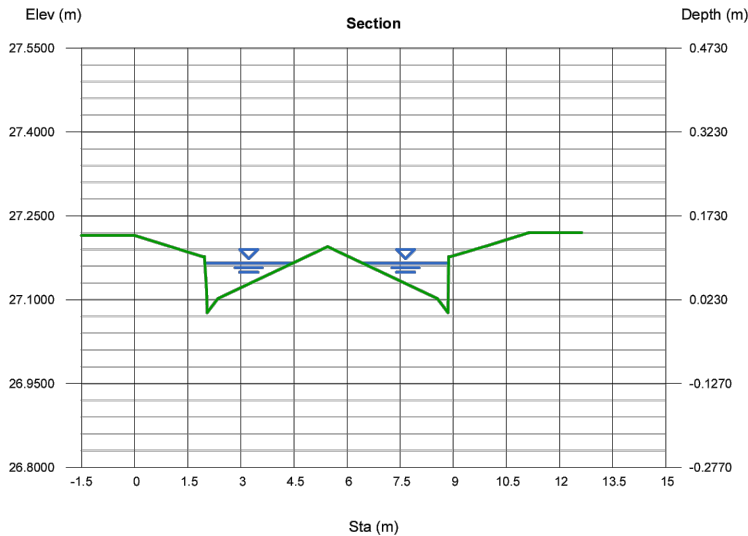
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Wednesday, Aug 12 2026

Section 05

User-defined		Highlighted	
Invert Elev (m)	= 27.0770	Depth (m)	= 0.0884
Slope (%)	= 3.0000	Q (cms)	= 0.260
N-Value	= 0.012	Area (sqm)	= 0.1828
Calculations		Velocity (m/s)	= 1.4226
Compute by:	Known Q	Wetted Perim (m)	= 5.0334
Known Q (cms)	= 0.2600	Crit Depth, Yc (m)	= 0.1219
		Top Width (m)	= 4.9119
		EGL (m)	= 0.1916

(Sta, El, n)-(Sta, El, n)...
(0.0000, 27.2150)-(1.9200, 27.1770, 0.012)-(1.9700, 27.1770, 0.012)-(2.0300, 27.1180, 0.012)-(2.0500, 27.0770, 0.012)-(2.3500, 27.1020, 0.012)-(5.4500, 27.1950, 0.012)-(8.5500, 27.1020, 0.012)-(8.8500, 27.0770, 0.012)-(8.9700, 27.1770, 0.012)-(8.9200, 27.1770, 0.012)-(9.9900, 27.1970, 0.012)-(11.1300, 27.2200, 0.012)



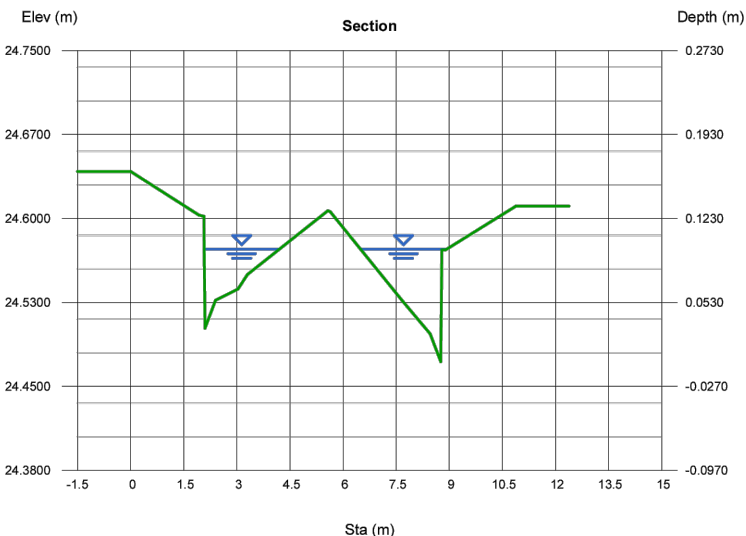
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Wednesday, Aug 12 2026

Section 06

User-defined		Highlighted	
Invert Elev (m)	= 24.4770	Depth (m)	= 0.1006
Slope (%)	= 3.1000	Q (cms)	= 0.250
N-Value	= 0.012	Area (sqm)	= 0.1648
Calculations		Velocity (m/s)	= 1.5172
Compute by:	Known Q	Wetted Perim (m)	= 4.6764
Known Q (cms)	= 0.2500	Crit Depth, Yc (m)	= 0.1341
		Top Width (m)	= 4.5453
		EGL (m)	= 0.2180

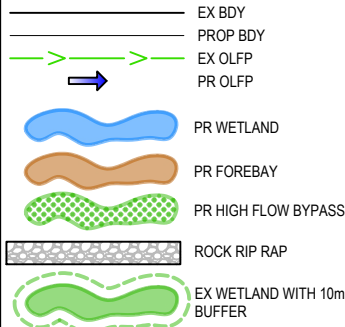
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NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
2. CO-ORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY HIS OPERATIONS.
4. ALL CONCRETE SW PIPE TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3725:2007 FOR BURIED CONCRETE PIPES AND AS/NZS 4058:2007 FOR PRECAST CONCRETE PIPES (PRESSURE AND NON-PRESSURE) AS STIPULATED IN THE RITS 2018
5. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL STORMWATER LINES WITHIN THE ROAD RESERVE.
6. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
7. ALL CESSPIT LEADS SHALL HAVE MIN COVER 0.9M.
8. ALL LINES ARE TO BE CLASS4 RCRRJ 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



A	FAST TRACK	AP	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	BY		10/2025
Checked	.	.	



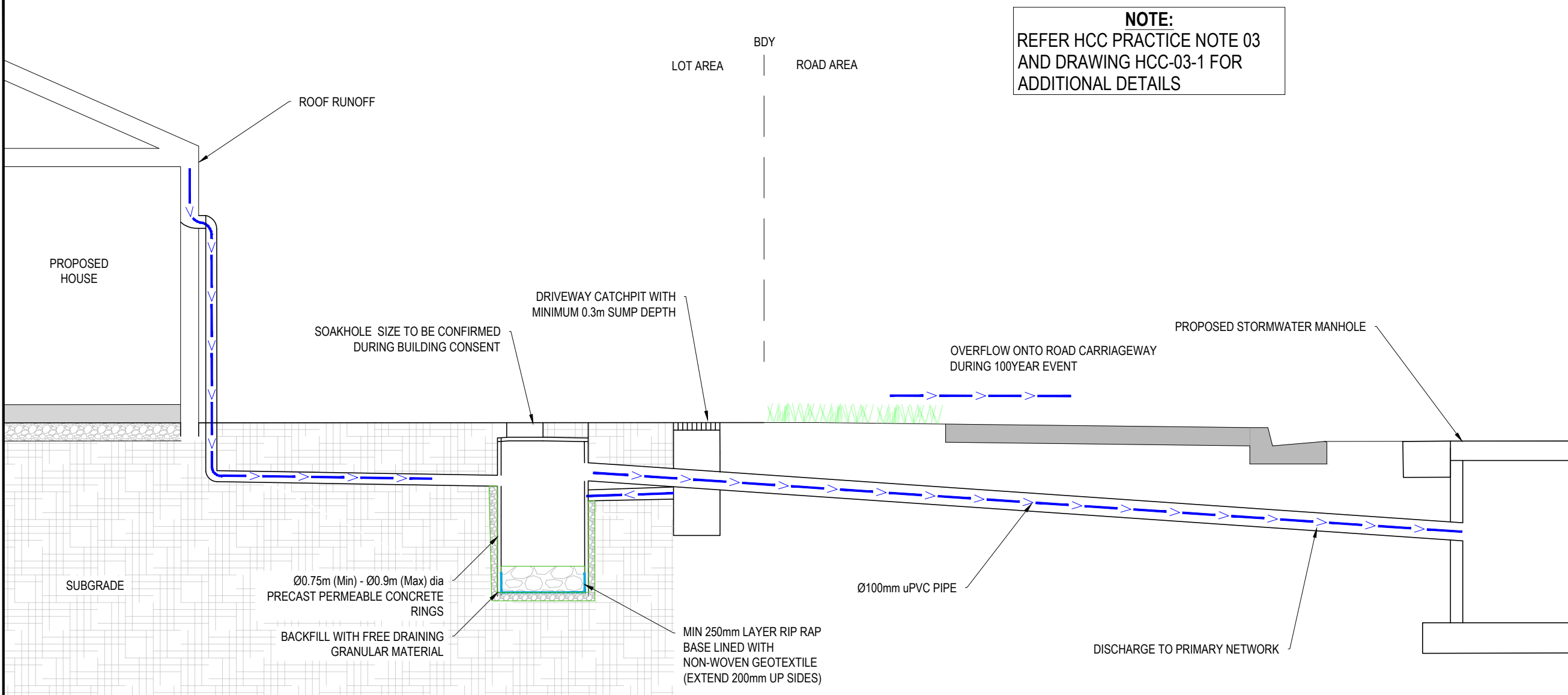
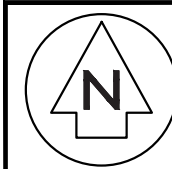
Project
BRYMER FARMS

FOR
BRYMER FARMS
LIMITED

Title
PROPOSED
OVERLAND FLOW PATH
SECTIONS 1 - 6

Project no.	119014
Scale	N.T.S.
Cad file	119014-C460-SW OVERLAND FLP.DWG
Drawing no.	C460-5
Rev	A

RESOURCE CONSENT



NOTE:
REFER HCC PRACTICE NOTE 03
AND DRAWING HCC-03-1 FOR
ADDITIONAL DETAILS

ON-LOT TYPICAL CROSS SECTION
SCALE 1:25 @ A3

TABLE: INITIAL ABSTRACTION				
	Impervious Catchment (80% of stage)(m2)	Unit Total	Retention Volume 3.2mm (m3)	Minimum Retention Volume Per Lot (m3)
Residential				
STAGE 1	175200	175	560.64	3.20
STAGE 2	86240	207	275.968	1.33
STAGE 3	36160	85	115.712	1.36
STAGE 4	38720	100	123.904	1.24
STAGE 5	98240	192	314.368	1.64
STAGE 6	28800	64	92.16	1.44
Lifestyle residential				
STAGE 6	8490	9	27.168	3.02

- NOTES
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A	RC	TCH	08/2026
Rev	Description	By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	TCH		10/2025
Checked			

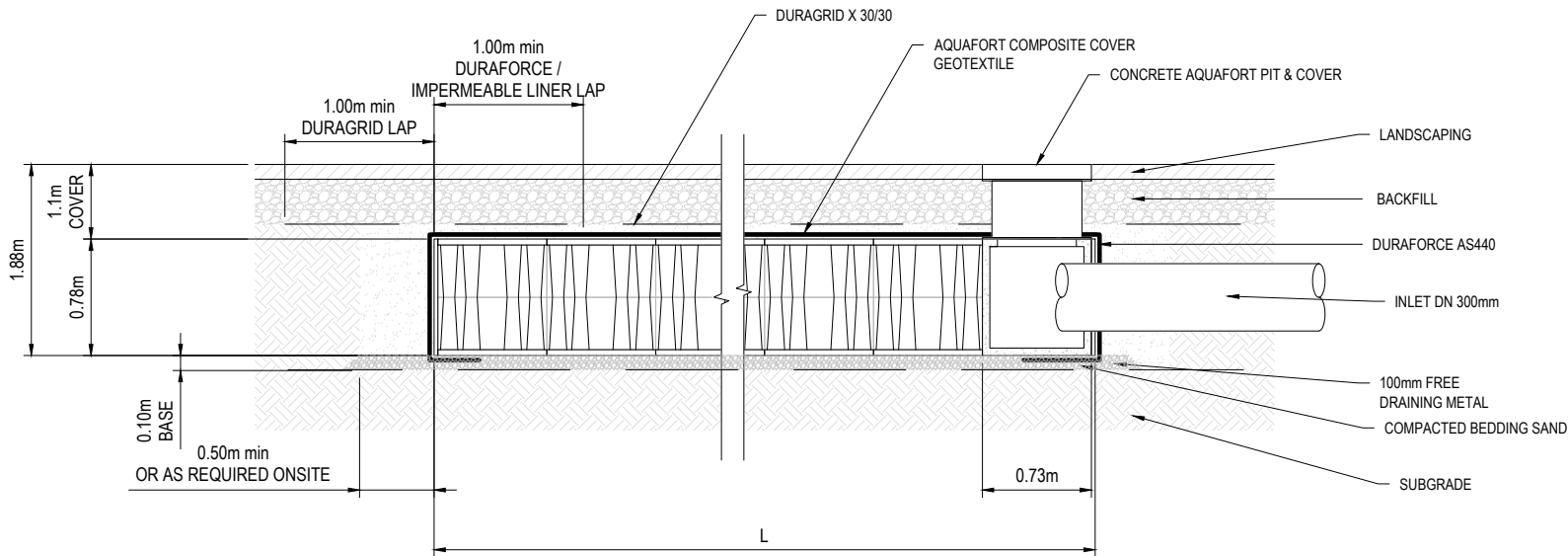
Maven Waikato
07 242 0601
info@maven.co.nz
www.maven.co.nz
Level 1 286 Victoria Street, Hamilton
New Zealand

Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

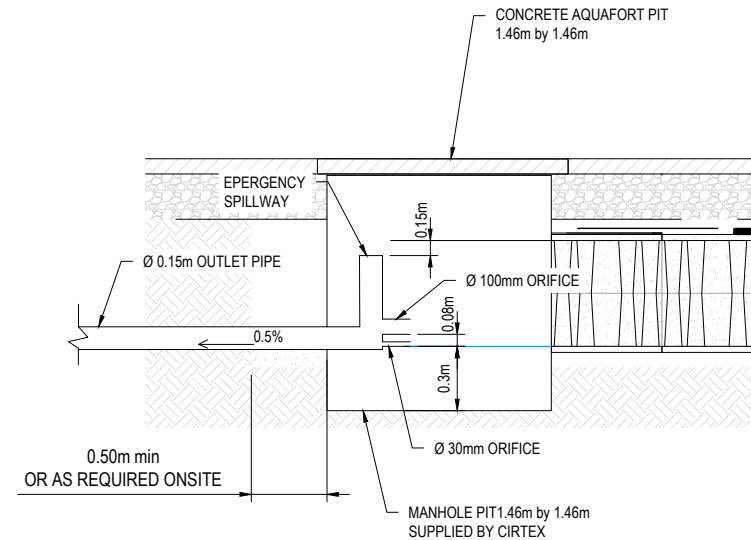
Title
**PROPOSED
STORMWATER ON-LOT
TYPICAL CROSS-SECTION**

Project no.	119014
Scale	1:25 @ A3
Cad file	119014-C470-SW ON LOT.DWG
Drawing no.	C470-1
Rev	A

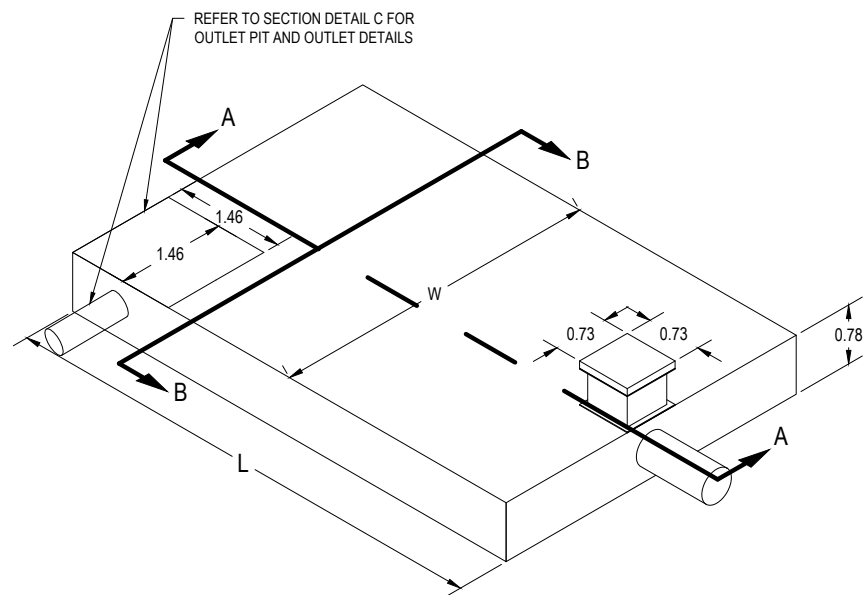
RESOURCE CONSENT



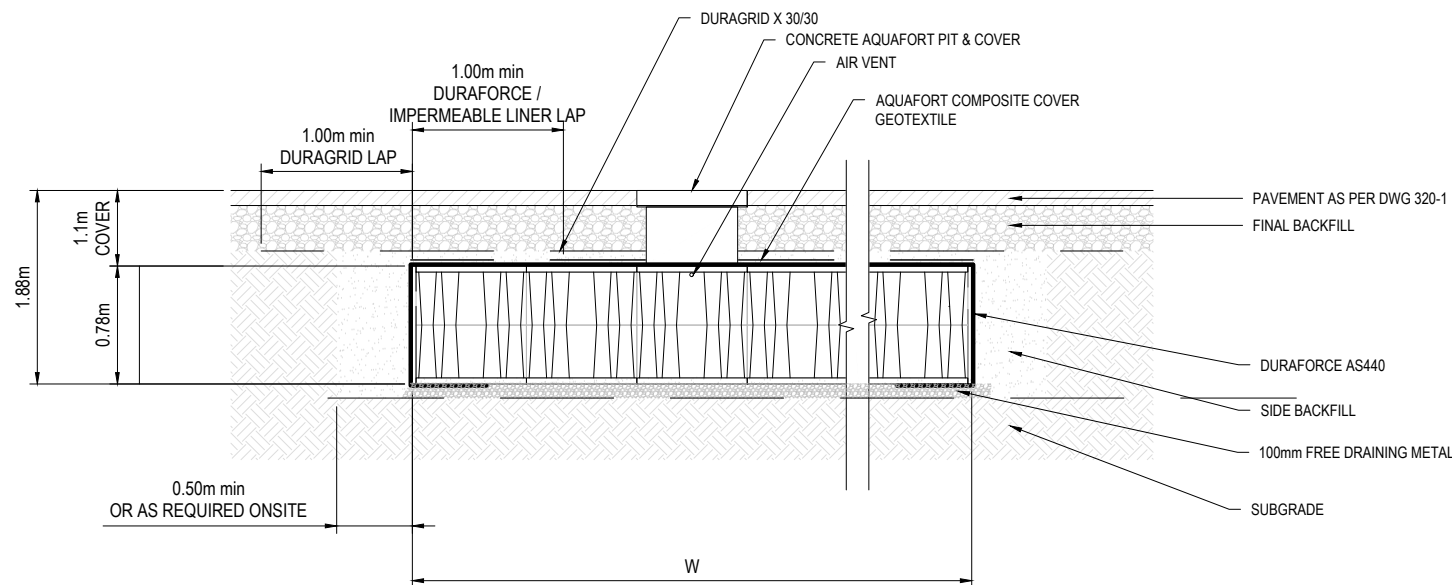
SECTION A- AQUAFORT LONGSECTION DETAILS
SCALE NTS



SECTION C- AQUAFORT OUTLET DETAILS
SCALE NTS



ISOMETRIC VIEW - AQUAFORT DEVICE
SCALE NTS



SECTION B- AQUAFORT CROSS SECTION DETAILS
SCALE NTS

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS.
 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY HIS OPERATIONS.
 3. ALL CONCRETE SW PIPE TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3725:2007 FOR BURIED CONCRETE PIPES AND AS/NZ 4058:2007 FOR PRECAST CONCRETE PIPES (PRESSURE AND NON-PRESSURE) AS STIPULATED IN THE RITS 2018
 4. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL STORMWATER LINES WITHIN THE ROAD RESERVE.
 5. ALL THE MANHOLES AND DEVICE REQUIREMENTS AS PER CIRTEX SPECIFICATION.
 6. THE DETAILS OF DEVICE IS SUBJECT TO DETAILED DESIGN STAGE.

A	FAST TRACK	NAK	03/2026
Rev	Description	By	Date
		By	Date
Survey			
Design	NAK		04/2025
Drawn	NAK		04/2025
Checked	RK		04/2025

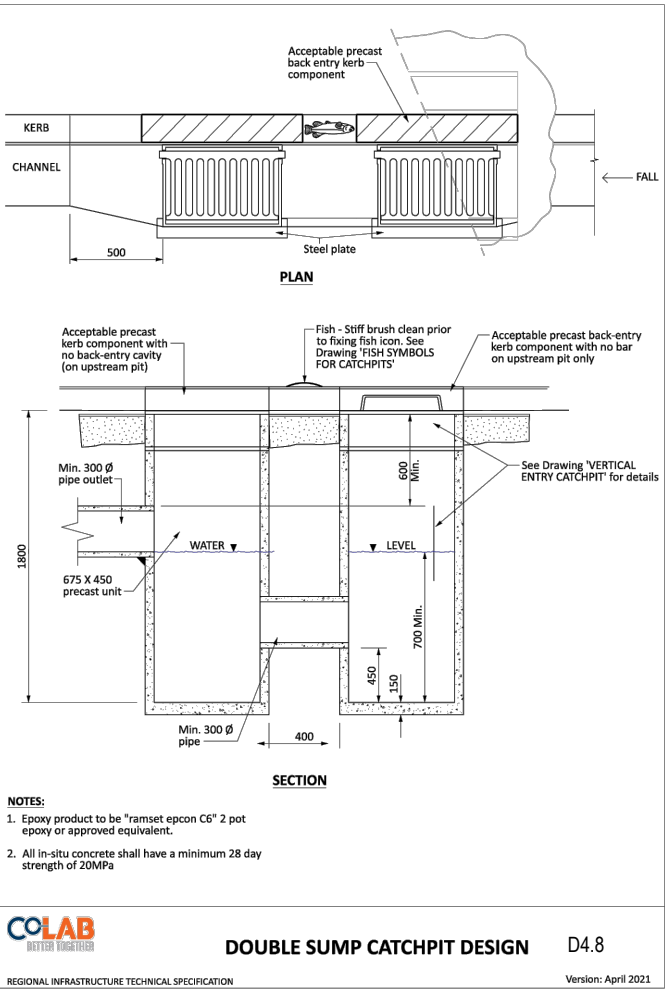
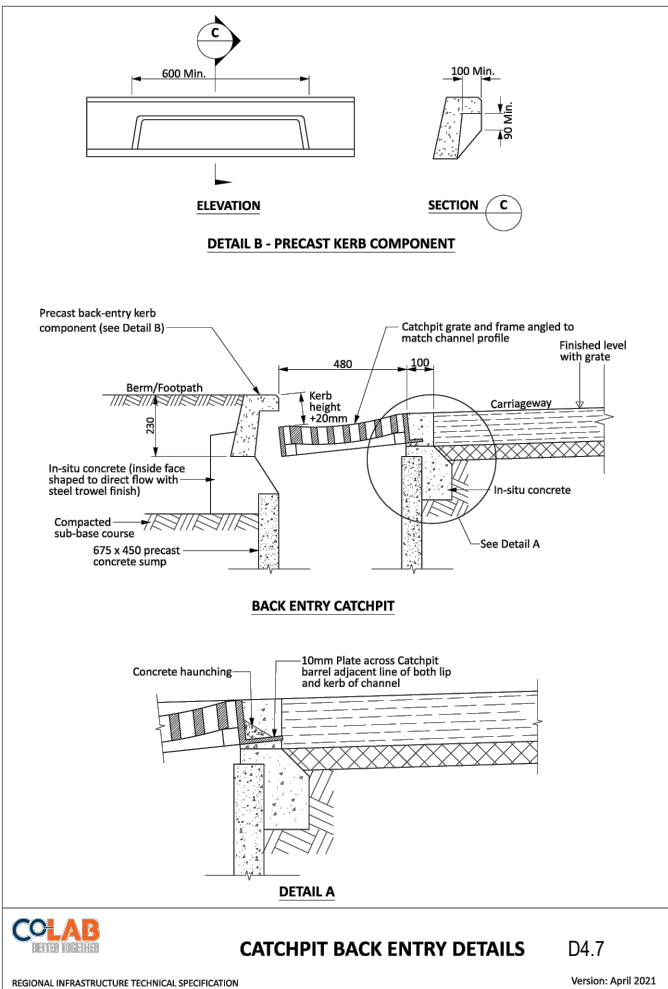


Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

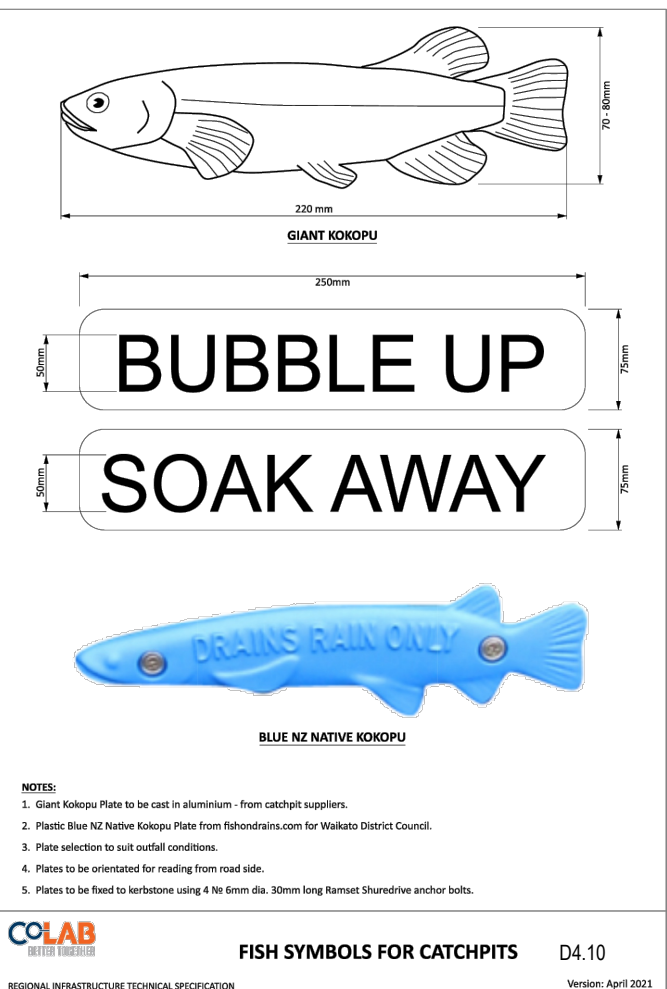
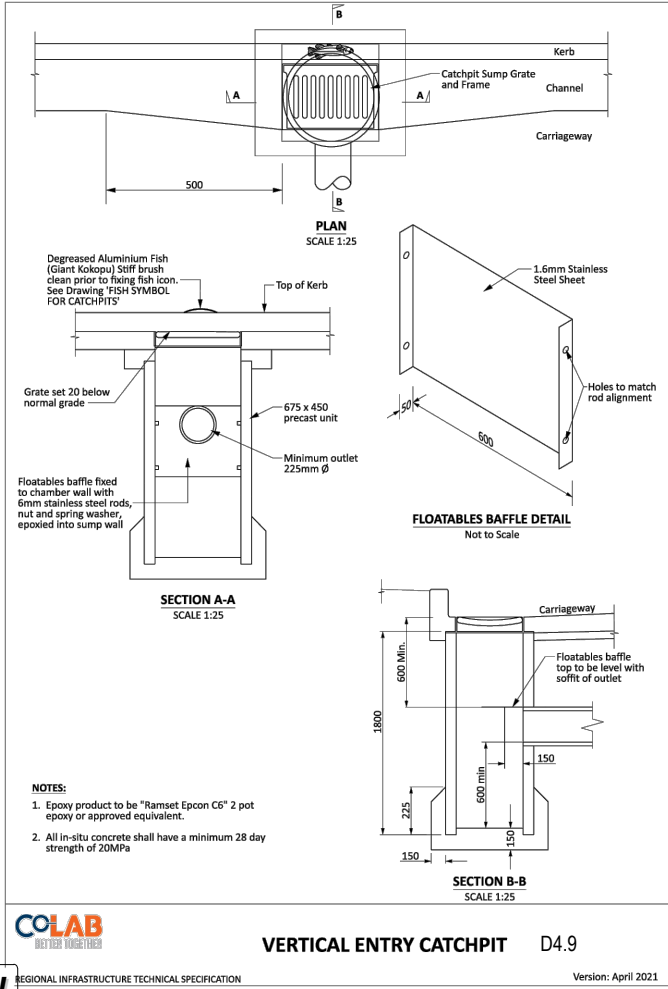
Title
**PROPOSED
AQUAFORT DEVICE
TYPICAL DETAILS**

Project no.	404001
Scale	AS SHOWN
Cad file	119014-C475-SW AQUAFORT DETAILS.DWG
Drawing no.	C405-2
Rev	A

RESOURCE CONSENT

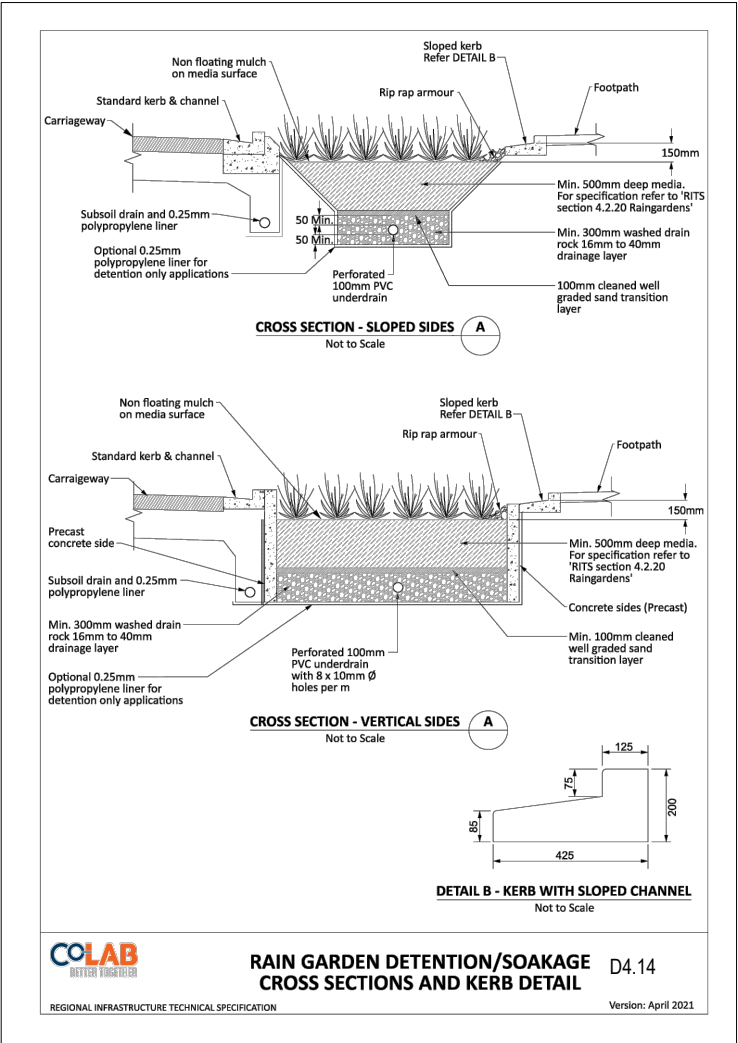
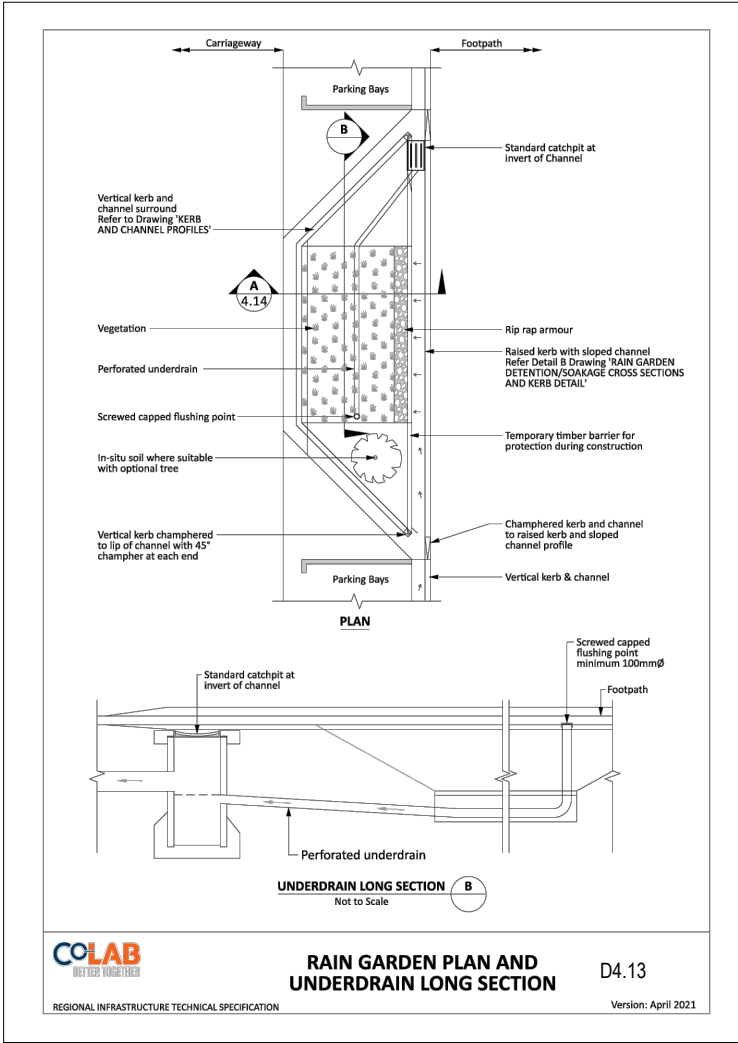


- Notes
1. All works to be in accordance with Waikato Regional Infrastructure Technical Specifications.
 2. Co-ordinates in terms of NZ Geodetic Datum Mount Eden 2000.
 3. Levels in terms of the New Zealand Vertical Datum 2016.
 4. It is the contractors responsibility to locate all services that may be affected by his operations.
 5. Approved hardfill is to be used in backfilling of all stormwater lines within the road reserve.
 6. All catchpit leads shall be laid at 1% unless otherwise specified.
 7. All lines to be abandoned shall be sealed at each end. Timing of all sealing to be coordinated with council staff.



A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	TCH		10/2025
Checked			
M MAVEN Maven Waikato 07 242 0601 info@maven.co.nz www.maven.co.nz Level 1 286 Victoria Street, Hamilton New Zealand			
Project			
BRYMER FARMS FOR BRYMER FARMS LIMITED			
Title			
PROPOSED STORMWATER STANDARD DETAILS			
Project no.	119014		
Scale	NTS		
Cad file	119014-C480-SW STANDARD DETAILS.DWG		
Drawing no.	C480-1	Rev	A

DRAFT FOR REVIEW



- Notes
1. All works to be in accordance with Waikato Regional Infrastructure Technical Specifications.
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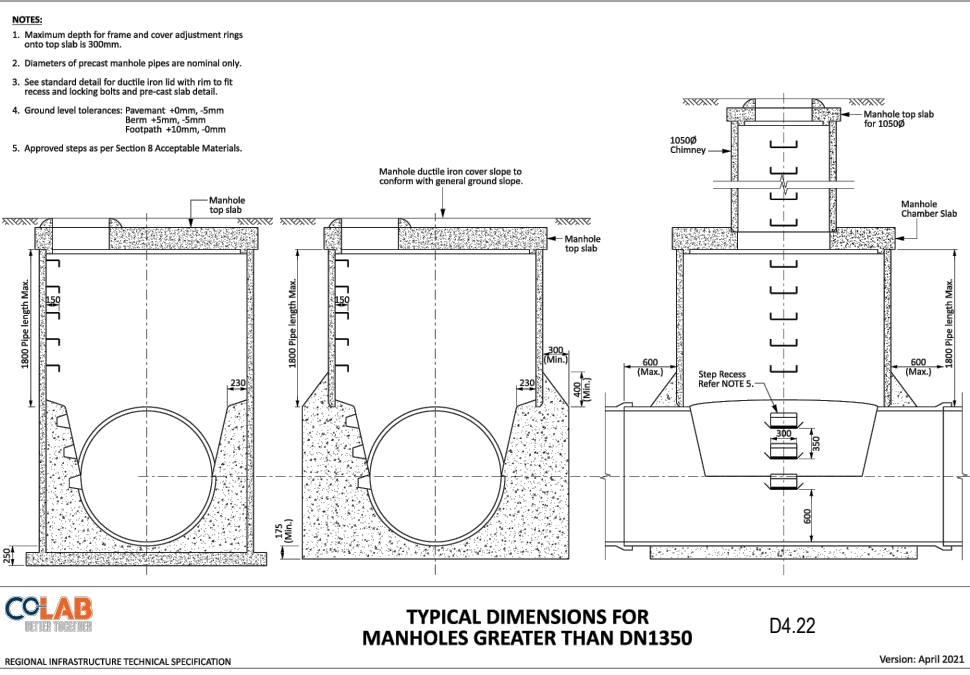
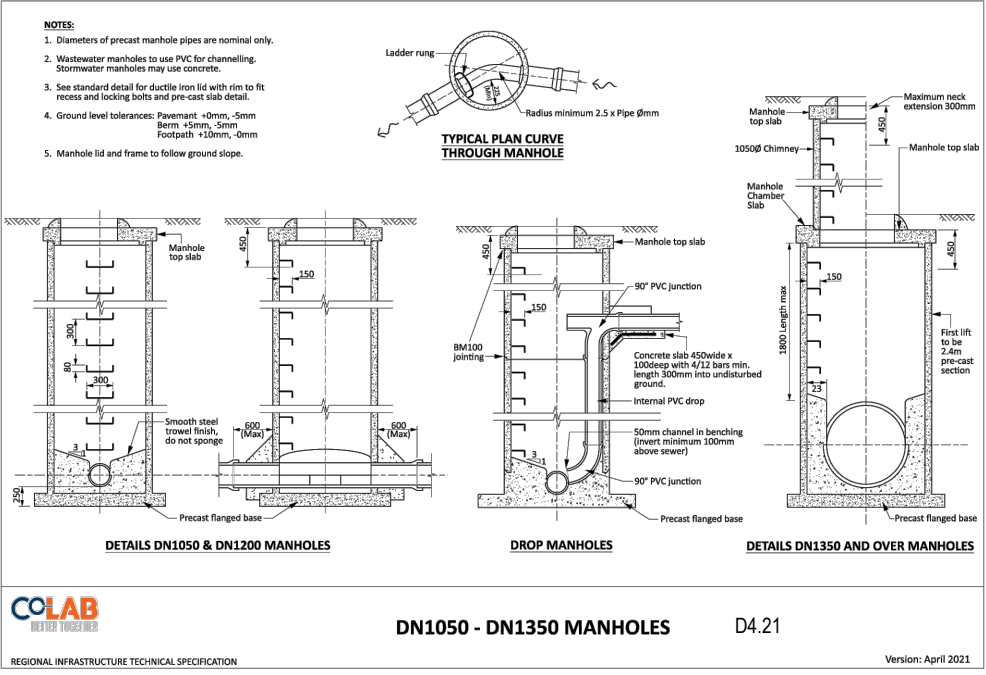
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Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	TCH		10/2025
Checked			

M Maven Waikato
07 242 0601
info@maven.co.nz
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Level 1 286 Victoria Street, Hamilton
New Zealand

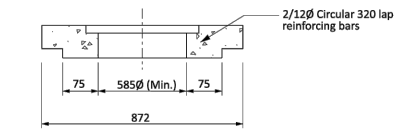
Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER
STANDARD DETAILS**

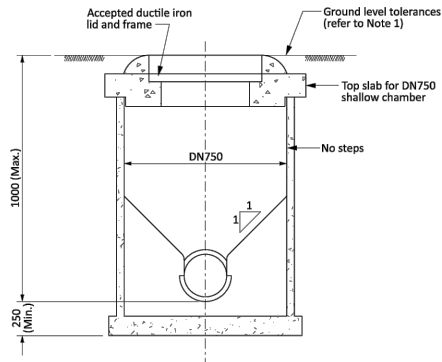
Project no.	119014
Scale	NTS
Cad file	119014-C480-SW STANDARD DETAILS.DWG
Drawing no.	C480-2
Rev	A



DRAFT FOR REVIEW



TOP SLAB FOR DN750 SHALLOW CHAMBER



DN750 INTERNAL SHALLOW CHAMBER
To be used only on pipes of DN100 to DN300 and where depth of invert is less than 1000mm

- NOTES:**
1. Ground level tolerances: Pavement +0mm, -5mm
Berm +5mm, -5mm
Footpath +10mm, -0mm

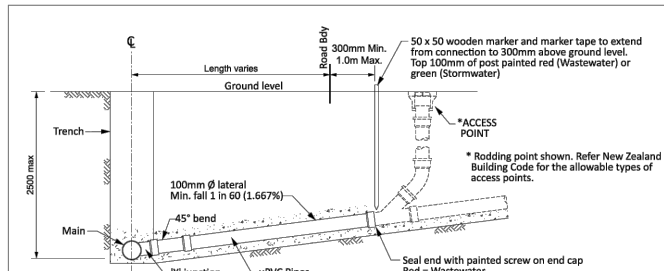


SHALLOW MANHOLE/CHAMBER

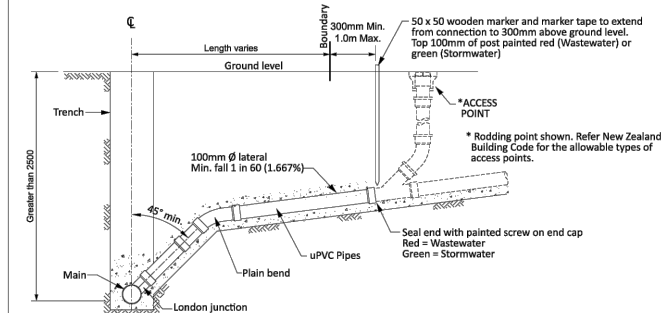
D4.23

REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION

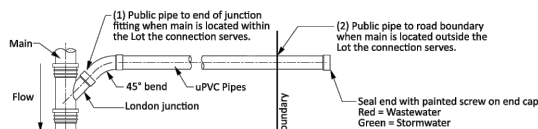
Version: April 2021



STANDARD CONNECTION WITH A DEPTH TO INVERT LESS THAN 2500mm - SECTION



RAMP RISER CONNECTION WITH A DEPTH TO INVERT GREATER THAN 2500mm - SECTION



POINT OF DISCHARGE: PUBLIC AND PRIVATE INFRASTRUCTURE

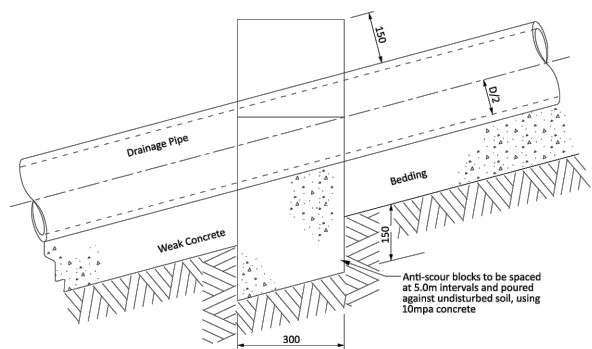


LATERAL CONNECTION

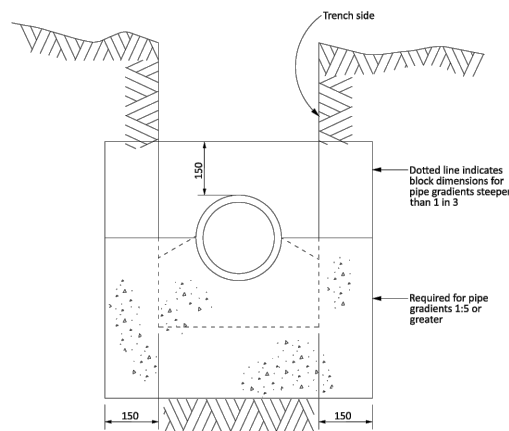
D4.24

REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION

Version: April 2021



LONG SECTION



CROSS SECTION

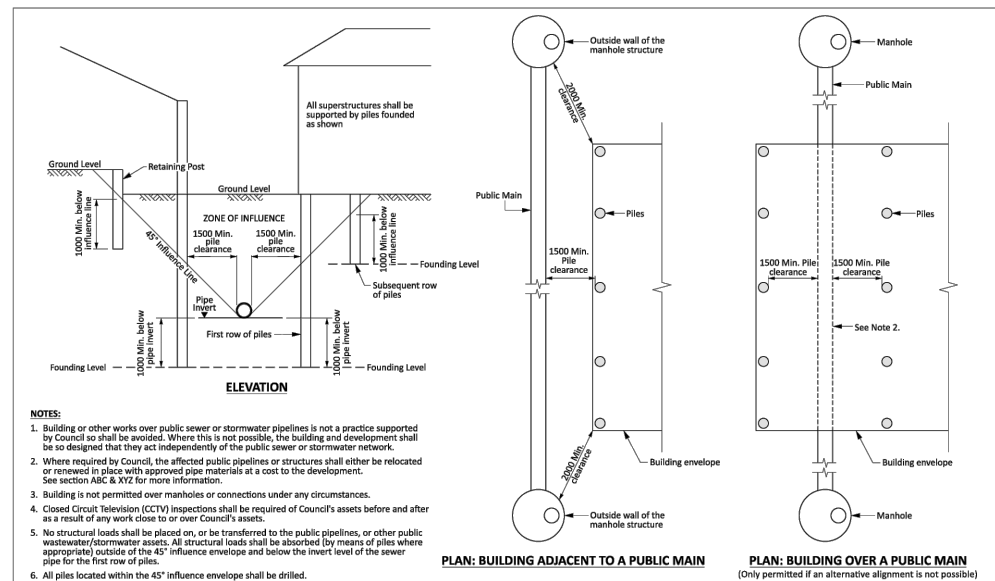


ANTI-SCOUR BLOCKS
FOR STEEP DRAINAGE PIPES

D4.25

REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION

Version: April 2021



- NOTES:**
1. Building or other works over public sewer or stormwater pipelines is not a practice supported by Council so shall be avoided. Where this is not possible, the building and development shall be so designed that they act independently of the public sewer or stormwater network.
 2. Where required by Council, the affected public pipelines or structures shall either be relocated or renewed in place with approved pipe materials at a cost to the development. See section A16 & A17 for more information.
 3. Building is not permitted over manholes or connections under any circumstances.
 4. Closed Circuit Television (CCTV) inspections shall be required of Council's assets before and after as a result of any work close to or over Council's assets.
 5. No structural loads shall be placed on, or be transferred to the public pipelines, or other public wastewater/stormwater assets. All structural loads shall be absorbed by means of piles where appropriate outside of the 45° influence envelope and below the invert level of the sewer pipe for the first row of piles.
 6. All piles located within the 45° influence envelope shall be drilled.

PLAN: BUILDING ADJACENT TO A PUBLIC MAIN

PLAN: BUILDING OVER A PUBLIC MAIN
(Only permitted if an alternative alignment is not possible)



BUILDING OVER AND ADJACENT TO
PUBLIC WASTEWATER OR STORMWATER PIPELINES

D4.26

REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION

Version: April 2021

Notes

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A	FAST TRACK	TCH	08/2026
Rev	Description	By	Date
		By	Date
Survey	MAVEN		10/2025
Design	TCH		10/2025
Drawn	TCH		10/2025
Checked			



Project
**BRYMER FARMS
FOR
BRYMER FARMS
LIMITED**

Title
**PROPOSED
STORMWATER
STANDARD DETAILS**

Project no.	119014
Scale	NTS
Cad file	119014-C480-SW STANDARD DETAILS.DWG
Drawing no.	C480-3
Rev	A

DRAFT FOR REVIEW