

- LEGEND
- | | |
|-----|---------------------|
| --- | EX BOY |
| --- | PROP BOY |
| --- | EX WASTEWATER |
| --- | PROP WASTEWATER |
| --- | PROP WW RISING MAIN |
| --- | EXPROP WWHF |

Maven Bay of Plenty
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116 Cameron Street, Tauranga
New Zealand

Title
**PROPOSED
WASTEWATER
OVERVIEW PLAN**

FOR CONSENT

FOR CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
 2. CO-ORDINATES IN TERMS OF BAY OF PLENTY 2000.
 3. REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 4. REINFORCEMENT SHALL BE 10% GRANULAR BEDDING TO 20% WEAK CONCRETE BEDDING GREATER THAN 20% BLOCKS AT 8M 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 100MM FROM THE CURB OR SIDEWALK. THE TIME OF PRELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 6. APPROVED HADFIELD IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 7. HEAVY DUTY MANHOLE COVERS AND FRAMES TO BE 1500MM DIA. ALL MANHOLES SHALL HAVE STAINLESS GRATES INSTALLED.
 8. ALL LINES ARE TO BE 150MMØ PVC CLASS SW16 UNLESS SHOWN OTHERWISE.
 9. 150MMØ PIPES THAT DO NOT TERMINATE IN A MANHOLE MUST BE TERMINATED WITH A 100MMØ ON A 150MMØ LUNDSIN JUNCTION AND BLANK CAP.
 10. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

—	PROP BDV
---	EX WASTEWATER
---	PROP WASTEWATER
---	PROP WW RISING MAIN
---	STAGE BOUNDARY
●	EX/PROP WWH

B	FOR CONSENT	DP	03/26		
A	FOR REVIEW	DP	11/25		
Rev	Description	By	Date		
Survey	MAVEN		05/2025		
Design	DP		11/25		
Drawn	DP		11/25		
Checked	CS		11/25		

M A E N

Naven Bay of Plenty

115 Cameron Street, Tauranga
www.naven.co.nz
New Zealand

Project
**WAIRAKEI SOUTH FTA090
DEVELOPMENT
BELL ROAD, PAPAMOA
FOR BELL ROAD
LIMITED PARTNERSHIP**

Title
**PROPOSED
WASTEWATER
OVERVIEW PLAN**

Project no.	BOP0749
Scale	1:10000
Card file	BOP0749-C500.DWG
Drawing no.	C500-0-2
Rev	B

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
 2. CO-ORDINATES IN TERMS OF BAY OF PLENTY 2000.
 3. REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 4. THE BEDDING OF 10% GRANULAR BEDDING 10, 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (MMA PLUS ANTI SCOUR BLOCKS AT 9M 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 AT THE POINT OF CONNECTION TO THE EXISTING MAIN. THE TIME OF PRELAYING 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 COVERS AND FRAMES TO BE USED. ALL MANHOLE COVERS AND FRAMES SHALL HAVE STAINLESS GRATES INSTALLED.
 8. ALL LINES ARE TO BE 150MM Ø PVC CLASS SM16 UNLESS SHOWN OTHERWISE.
 9. 150MM Ø PIPES THAT DO NOT TERMINATE IN A MANHOLE MUST BE TERMINATED WITH A 100MM Ø ON A 150MM Ø LUNGEN JUNCTION AND BLANK CAP.
 10. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

---	EX BDV
---	PROP BDV
---	EX WASTEWATER
---	PROP WASTEWATER
---	PROP STORMWATER
---	PROP WW RISING MAIN
---	STAGE BOUNDARY
---	EX PROP WWHM
---	PROP SWMH

Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	11/25

Survey	MAVEN	05/2025
Design	DP	11/25
Drawn	DP	11/25
Checked	CS	11/25

M A E N

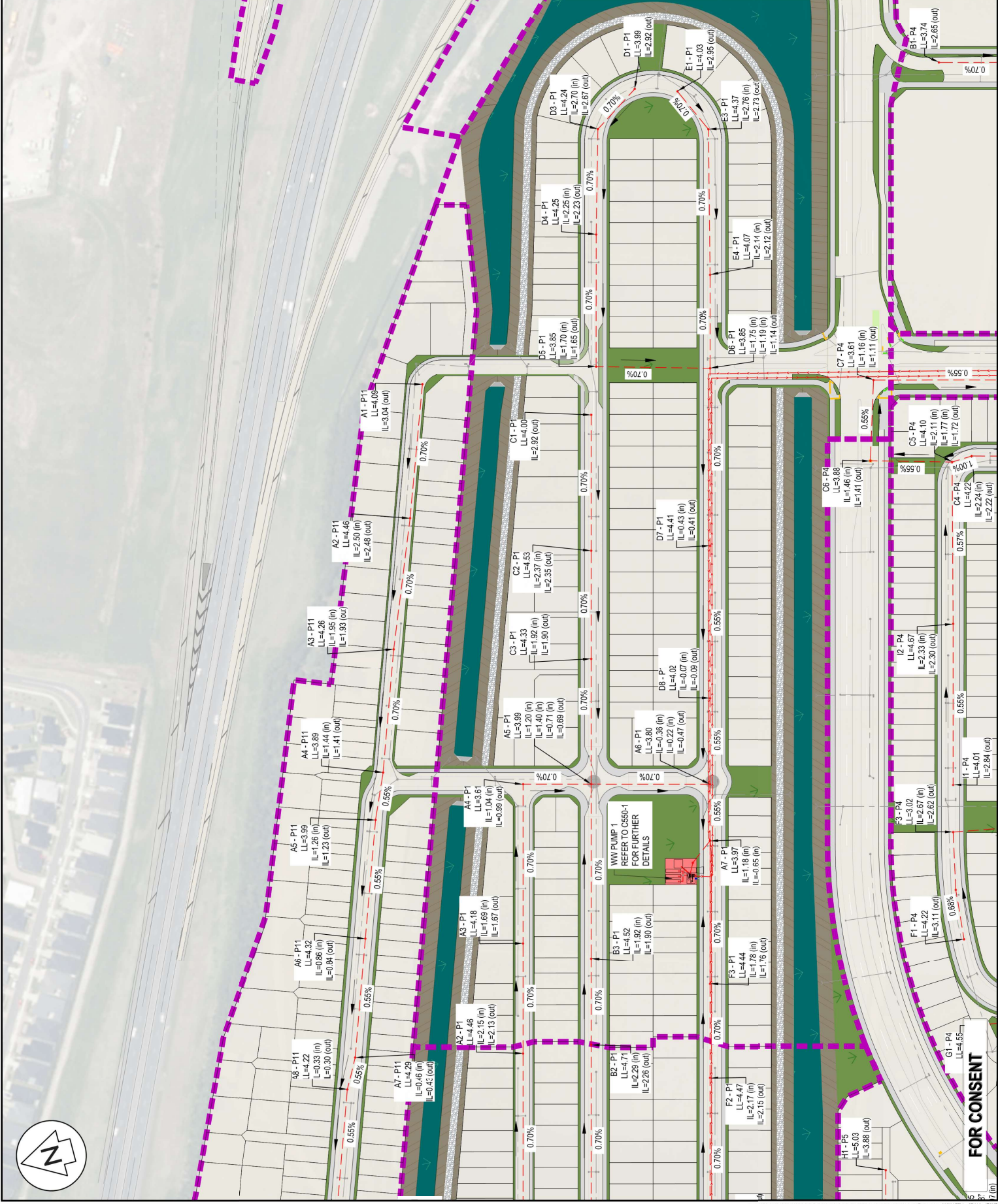
Naven Bay of Plenty

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New Zealand

Project
**WAIRAKEI SOUTH FTA090
DEVELOPMENT**
BELL ROAD, PAPAMOA
FOR BELL ROAD
LIMITED PARTNERSHIP

Title
**PROPOSED
WASTEWATER LAYOUT
PLAN**

Project no.	BOP0749
Scale	1:2000
Card file	BOP0194-0500 DWG
Drawing no.	C500-1-1
Rev	B



FOR CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
 2. CO-ORDINATES IN TERMS OF BAY OF PLENTY 2000.
 3. REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE OPERATIONS.
 4. THE PROPOSED 150MM DIA. 10% GRANULAR BEDDING, 10-20% WEAK CONCRETE BEDDING GREATER THAN 20%.
 5. EACH CONNECTION SHALL BE MARKED BY A 600MMX600MM TREATED PINE STAKE EXTENDING 500MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED AT THE POINT OF CONNECTION TO THE EXISTING 150MM DIA. 10% GRANULAR BEDDING, 10-20% WEAK CONCRETE BEDDING GREATER THAN 20%.
 6. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 7. HEAVY DUTY MANHOLE COVERS AND FRAMES TO BE USED. ALL MANHOLE COVERS AND FRAMES SHALL HAVE STAINLESS GRATES INSTALLED.
 8. ALL LINES ARE TO BE 150MM PVC CLASS SW16 UNLESS SHOWN OTHERWISE.
 9. 150MM DIA. PIPES THAT DO NOT TERMINATE IN A MANHOLE MUST BE TERMINATED WITH A 100MM DIA. A 150MM DIA. LUNGEN JUNCTION AND BLANK CAP.
 10. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TYPING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

---	EXISTING
---	PROPOSED
---	EX WASTEWATER
---	PROPOSED WASTEWATER
---	PROPOSED STORMWATER
---	PROPOSED WASTEWATER MAIN
---	STAKE BOUNDARY
---	PROPOSED SWMH

Rev	By	Date	For
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	11/25
Rev	Description	By	Date
Survey	MAVEN	05/2025	
Design	DP	11/25	
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Checked	CS	11/25	

M A E N

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WAIRAKEI SOUTH FTA090

DEVELOPMENT

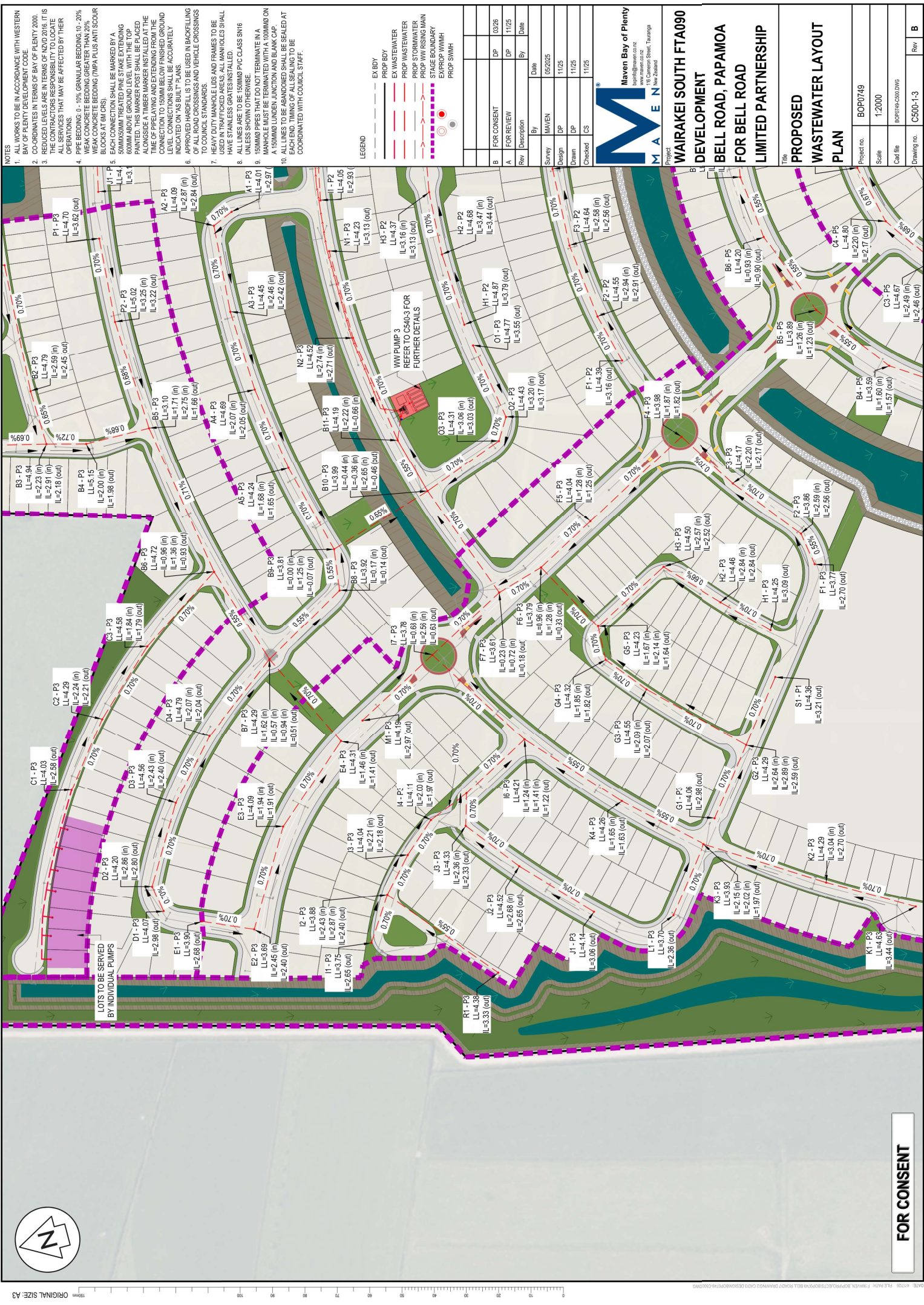
BELL ROAD, PAPAMOA

FOR BELL ROAD

LIMITED PARTNERSHIP

PROPOSED WASTEWATER LAYOUT PLAN

Project no.	BOP0749
Scale	1:2000
Client	BOP0749-0500 DWG
Drawing no.	C500-1-2
Rev	B



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
2. CO-ORDINATES IN TERMS OF BAY OF PLENTY 2000.
3. REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
4. EXISTING 150MM DIA. 10% GRANULAR BEDDING, 10-20% WEAK CONCRETE BEDDING (TMA PLUS ANTI SCOUR BLOCKS AT 8M CRS).
5. EACH CONNECTION SHALL BE MARKED BY A 500MMX50MM TREATED PINE STAKE EXTENDING 600MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED 100MM FROM THE WASTEWATER MAIN. THE TIME OF PRELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
6. APPROVED HARDSHIP 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. ALL MANHOLE LIDS AND FRAMES SHALL HAVE STAINLESS GRATES INSTALLED.
8. ALL LINES ARE TO BE 150MM PVC CLASS SM16 UNLESS SHOWN OTHERWISE.
9. 150MM DIA PIPES THAT DO NOT TERMINATE IN A MANHOLE MUST BE TERMINATED WITH A 100MM DIA 150MM LUNDEN JUNCTION AND BLANK CAP.
10. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

- EXISTING
- PROPOSED
- EX WASTEWATER
- PROPOSED WASTEWATER
- PROPOSED STORMWATER
- PROPOSED RISING MAIN
- STAGE BOUNDARY
- EXPROPOSED WWH
- PROPOSED SWMH

Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	11/25

Survey	Design	Drawn	Checked
MAVEN	DP	DP	CS

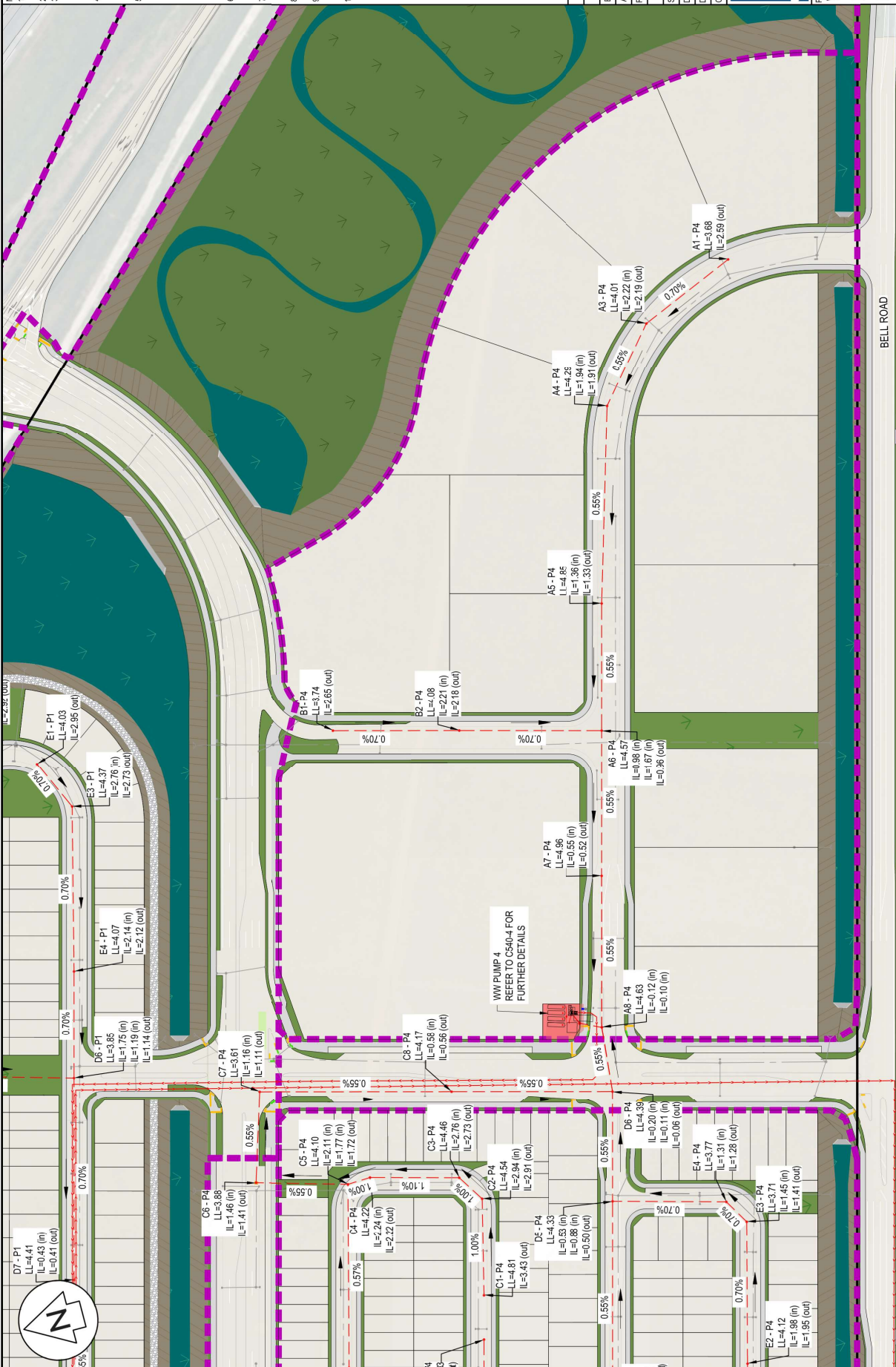
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LIMITED PARTNERSHIP**

Title	
PROPOSED WASTEWATER LAYOUT PLAN	
Project no.	BOP0749
Scale	1:2000
Card file	BOP0749-0500 DWG
Drawing no.	C500-1-3
Rev	B

FOR CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
 2. CO-ORDINATES IN TERMS OF BAY OF PLENTY 2000.
 3. REDUCED LEVELS ARE IN TERMS OF NZGD 2016. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 4. 10% GRANULAR BEDDING (10% PLUS ANTI SCOUR BLOCKS AT 9M 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 100MM FROM THE EXISTING MANHOLE FRAME. THE TIME OF PRELAYING 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 150MMØ LIDEN JUNCTIONS. ALL MANHOLES SHALL HAVE STAINLESS GRATES INSTALLED.
 8. ALL LINES ARE TO BE 150MMØ PVC CLASS SW16 UNLESS SHOWN OTHERWISE.
 9. 150MMØ PIPES THAT DO NOT TERMINATE IN A MANHOLE MUST BE TERMINATED WITH A 100MMØ ON A 150MMØ LIDEN JUNCTION AND BLANK CAP.
 10. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

- LEGEND
- EXISTING
 - PROPOSED
 - EX WASTEWATER
 - PROPOSED WASTEWATER
 - PROPOSED STORMWATER
 - PROPOSED RISING MAIN
 - STAGE BOUNDARY
 - EXPROPOSED WWH
 - PROPOSED SWMH

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Survey	MAVEN		05/2025
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Title
PROPOSED WASTEWATER LAYOUT PLAN

Project no.	BOP0749
Scale	1:2000
Card file	BOP0749-C500.DWG
Drawing no.	C500-1-4
Rev	B

FOR CONSENT