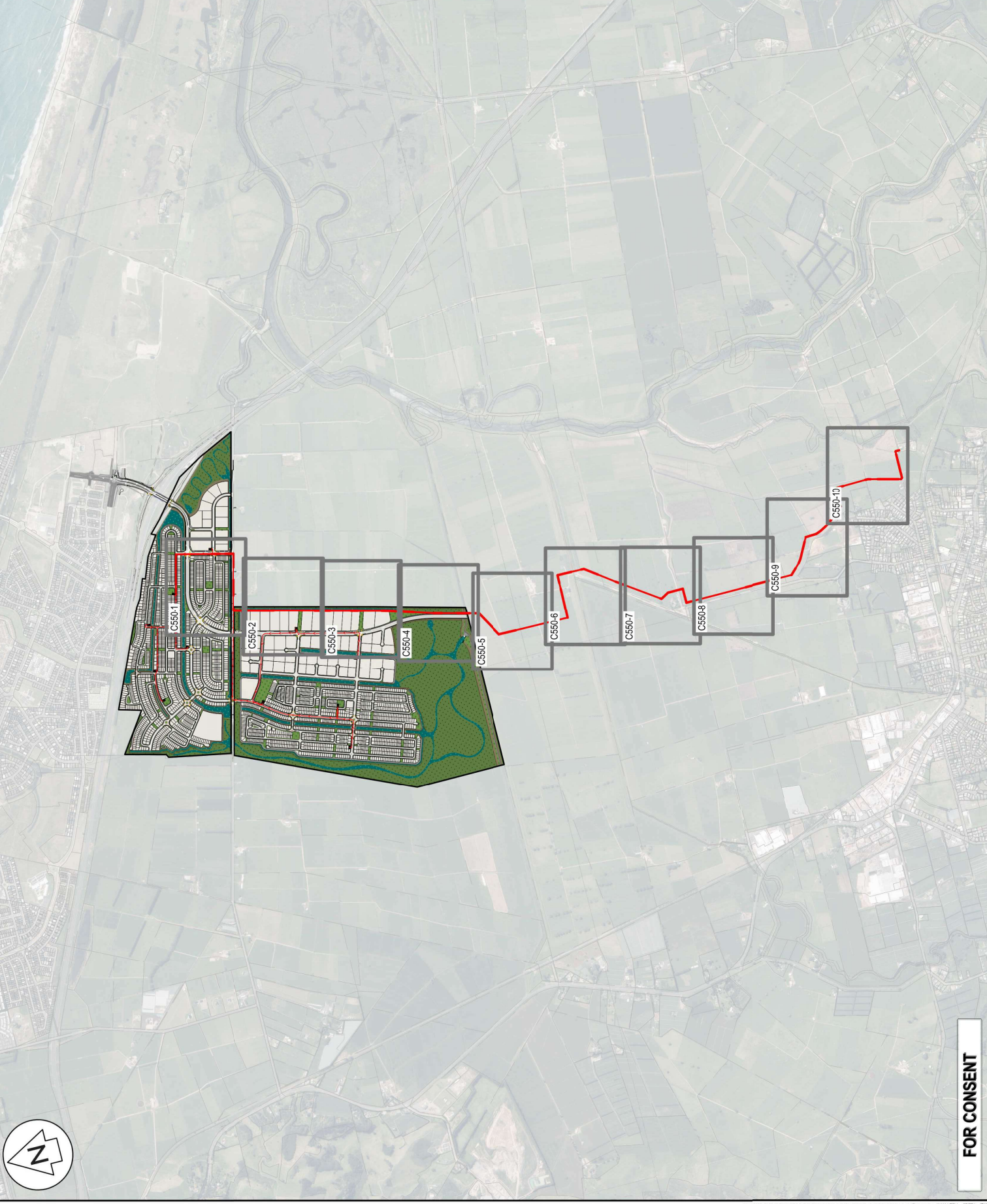


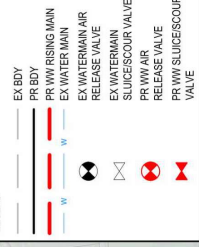


ORIGINAL SIZE: A3



- 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 SERVICES THAT MAY BE AFFECTED BY THEIR OWN WORK.
 4. PIPE BEDDING: 10% GRANULAR BEDDING, 10-20% WEAK CONCRETE BEDDING GREATER THAN 20% 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 IN RED. MARKERS MUST BE PLACED AT THE POINT OF CONNECTION 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. ALL MANHOLES, COVERS AND FRAMES TO BE USED IN TRAFFIC AREAS. ALL MANHOLES SHALL HAVE STAINLESS GRATES INSTALLED.
 8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND



Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

Survey	MAVEN	05/2025
Design	DP	12/25
Drawn	DP	12/25
Checked	CS	12/25

Maven Bay of Plenty
 115 Cameron Street, Tauranga
 www.maven.co.nz

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

Title
PROPOSED
WASTEWATER
RISING MAIN OVERVIEW

Project no.	BOP0749
Scale	1:25000 @ A3
Clad file	89p0749-050.dwg
Drawing no.	C550-0
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 CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OWN WORK.
 4. PIPE BEDDING IS 10% GRANULAR BEDDING TO 20% WEAK CONCRETE BEDDING (TMFA PLUS ANTI SCOUR BLOCKS AT 9M CRS).
 5. EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 60MM ABOVE GROUND LEVEL WITH THE TOP PAINTED RED. STAKES SHALL BE SET OUT AT 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. ALL FRAMES TO BE USED IN TRAFFICED AREAS. ALL MANHOLES SHALL HAVE STAINLESS GRATES INSTALLED.
 8. ALL LINES ARE TO BE 150MM Ø PVC CLASS SN16 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 LUNDSJON 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.



Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

Survey	MAVEN	Date	05/2025
Design	DP	12/25	
Drawn	DP	12/25	
Checked	CS	12/25	

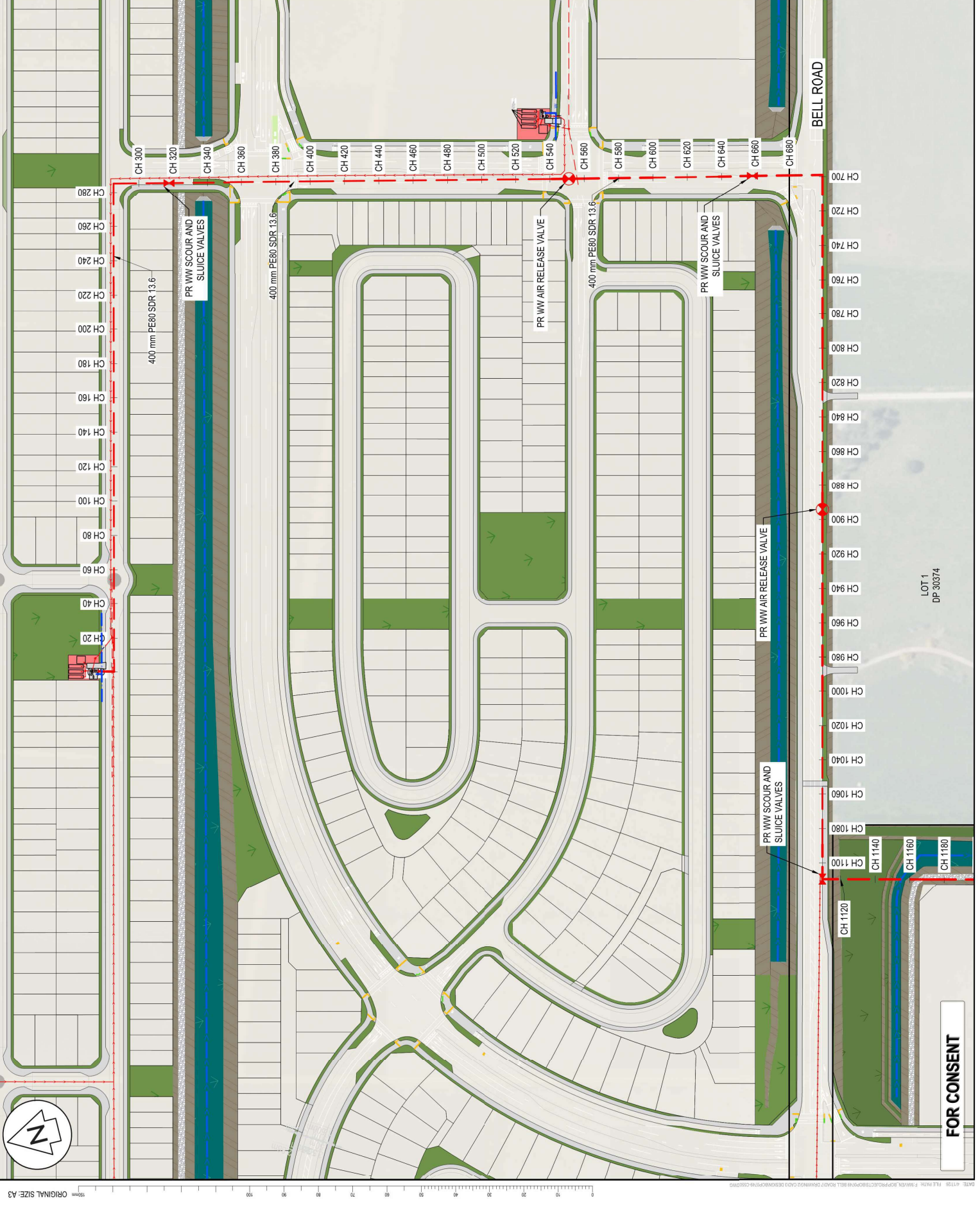
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 115 Cameron Street, Tauranga
 New Zealand

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

Title
PROPOSED WASTEWATER RISING MAIN PLAN

Project no.	BOP0749
Scale	1:2000 @ A3
Card file	8pwpvc-0550.dwg
Drawing no.	C350-1
Rev	B



FOR CONSENT

- NOTES**
- ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
 - COORDINATES IN TERMS OF BAY OF PLENTY 2000.
 - REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 - PIPE BEDDING: 10% GRANULAR BEDDING (10 - 20% BEDDING GRANULAR BEDDING) WITH WEAK CONCRETE BEDDING (7MPa PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 - 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 SURFACE OF THE GROUND TO INDICATE THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 - APPROVED HARPILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 - HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED. ALL MANHOLE LIDS AND FRAMES SHALL HAVE STAINLESS STEEL FASTENERS.
 - ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

- LEGEND**
- EX BDY
 - PR BDY
 - PR WW RISING MAIN
 - EX WATER MAIN
 - EX WATERMAIN AIR RELEASE VALVE
 - EX WATERMAIN SLUICESCOUR VALVE
 - PR WW AIR RELEASE VALVE
 - PR WW SLUICESCOUR VALVE

B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

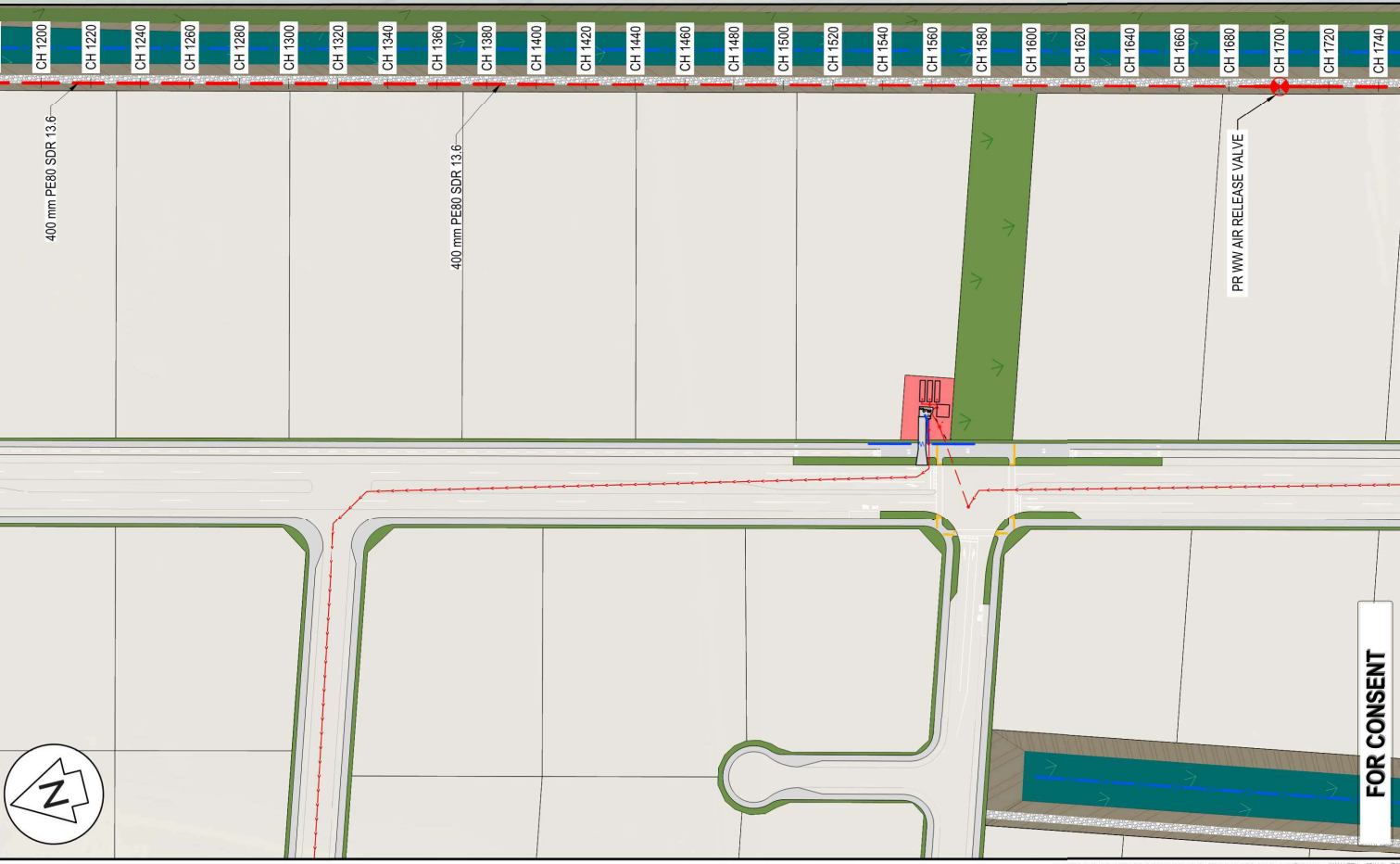
Rev	Description	By	Date
Survey	MAVEN		05/20/25
Design	DP		12/25
Drawn	DP		12/25
Checked	CS		12/25

M A V E N
 Naven Bay of Plenty
 115 Cameron Street, Tauranga
 New Zealand

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

Title
 PROPOSED
 WASTEWATER
 RISING MAIN PLAN

Project no.	BOP0749
Scale	1:2000 @ A3
Clad file	BP0749-050.DWG
Drawing no.	C350-2
Rev	B



DATE: 4/1/25 FILE PATH: F:\M\ENR\BP\PROJECTS\BP0749\BELL ROAD\SWANWICK CAD DESIGN\BP0749_C350.DWG ORIGINAL SIZE: A3



LOT 1
DP 30374

- 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 WORKING.
 4. PIPE BEDDING: 10% GRANULAR BEDDING, 10 - 20% WEAK CONCRETE BEDDINGS GREATER THAN 20% BLOCKS AT 6M CRS).
 5. EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 60MM ABOVE GROUND LEVEL WITH THE TOP PAINTED RED. MARKINGS SHALL BE PLACED AT 10M INTERVALS. MARKINGS SHALL BE PLACED AT 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. ALL ROAD CROSSINGS AND FRAMES TO BE USED IN TRAFFICED AREAS. ALL MANHOLES SHALL HAVE STAINLESS GRATES INSTALLED.
 8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

	EX BODY
	PR BODY
	PR WW RISING MAIN
	EX WATER MAIN
	EX WATERMAIN AIR RELEASE VALVE
	EX WATERMAIN SLUICESOUR VALVE
	PR WW AIR RELEASE VALVE
	PR WW SLUICESOUR VALVE

Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

Survey	MAVEN	05/2025
Design	DP	12/25
Drawn	DP	12/25
Checked	CS	12/25

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

Title
PROPOSED
WASTEWATER
RISING MAIN PLAN

Project no.	BOP0749
Scale	1:2000 @ A3
Card file	8pwpw-cs200.dwg
Drawing no.	C350-3
Rev	B

FOR CONSENT

- NOTES**
- ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
 - CO-ORDINATES IN TERMS OF BAY OF PLENTY 2000.
 - REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 - PIPE BEDDING: 0 - 10% GRANULAR BEDDING; 10 - 20% NEW CONCRETE BEDDING GREATER THAN 20% WITH CONCRETE BEDDING (MIPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 - 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 POINT OF CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 - APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 - HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS. ALL MANHOLES SHALL BE SET TO THE FINISHED GROUND LEVEL. ALL LINES TO BE MARKED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

	EX BDY
	PR BDY
	PR WW RISING MAIN
	EX WATER MAIN
	EX WATERMAIN AIR RELEASE VALVE
	EX WATERMAIN SLUICESCOUR VALVE
	PR WW AIR
	PR WW SLUICESCOUR VALVE

Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

Survey	MAVEN	05/2025
Design	DP	12/25
Drawn	DP	12/25
Checked	CS	12/25

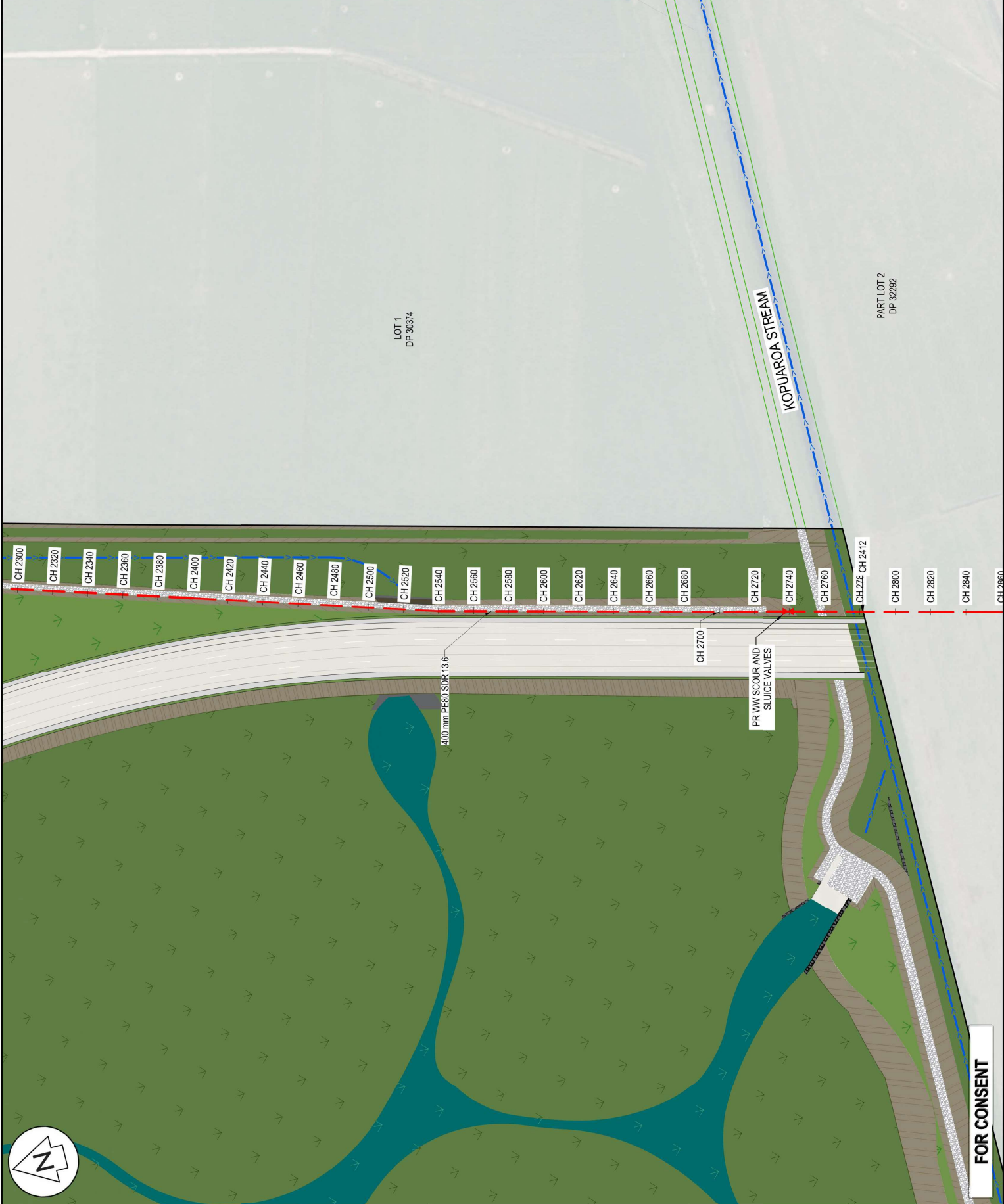


Project
WAIRAKEI SOUTH FTA090 DEVELOPMENT
BELL ROAD, PAPAMOA FOR BELL ROAD LIMITED PARTNERSHIP

Title
PROPOSED WASTEWATER RISING MAIN PLAN

Project no.	BOP0749
Scale	1:2000 @ A3
Card file	8PWPWS-0550.DWG
Drawing no.	C350-4

Rev	B
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ORIGINAL SIZE: A3

FOR CONSENT

DATE: 4/12/25 FILE PATH: F:\MAREN_82\PROJECTS\820919\BELL ROAD\7 SWAINSON CAD DESIGN\820919_02.DWG

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 WORKING.
4. PIPE BEDDING, 0-10% GRANULAR BEDDING, 10-20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (7MFA PLUS ANTI SCOUR BLOCKS AT 8M CRS).
5. EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 60MM ABOVE GROUND LEVEL WITH THE TOP 10MM BEING PAINTED RED. STAKE BEING PLACED ON THE WIDER 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 HARPILLIS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
7. LEGS OF ALL VALVES AND FRAMES TO BE USED IN TRAFFICED AREAS. ALL VALVES SHALL HAVE STAINLESS GRATES INSTALLED.
8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

	EX BDY
	PR BDY
	PR WW RISING MAIN
	EX WATER MAIN
	EX WATERMAIN AIR RELEASE VALVE
	EX WATERMAIN SLUICESCOUR VALVE
	PR WW AIR RELEASE VALVE
	PR WW SLUICESCOUR VALVE

Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

Survey	MAVEN	05/2025
Design	DP	12/25
Drawn	DP	12/25
Checked	CS	12/25



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

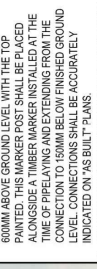
Title
PROPOSED WASTEWATER RISING MAIN PLAN

Project no.	BOP0749
Scale	1:2000 @ A3
Card file	BPPWWS-0550.DWG
Drawing no.	C550-5
Rev	B



FOR CONSENT

- NOTES**
- ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
 - CO-ORDINATES IN TERMS OF PLENTY 2000.
 - REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR WORKING.
 - PIPE BEDDING: 10% GRANULAR BEDDING, 10-20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (7MPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 - EACH CONNECTION SHALL BE MARKED BY A 50MMX50MM TREATED PINE STAKE EXTENDING 60MM ABOVE GROUND LEVEL WITH THE TOP PAINTED RED. MARKINGS SHALL BE PLACED AT 10M INTERVALS AND SHALL BE PLACED AT THE TIME OF PRELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 - APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 - ALL MANHOLES AND FRAMES TO BE USED IN TRAFFICKED AREAS. ALL MANHOLES SHALL HAVE STAINLESS GRATES INSTALLED.
 - ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.



B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

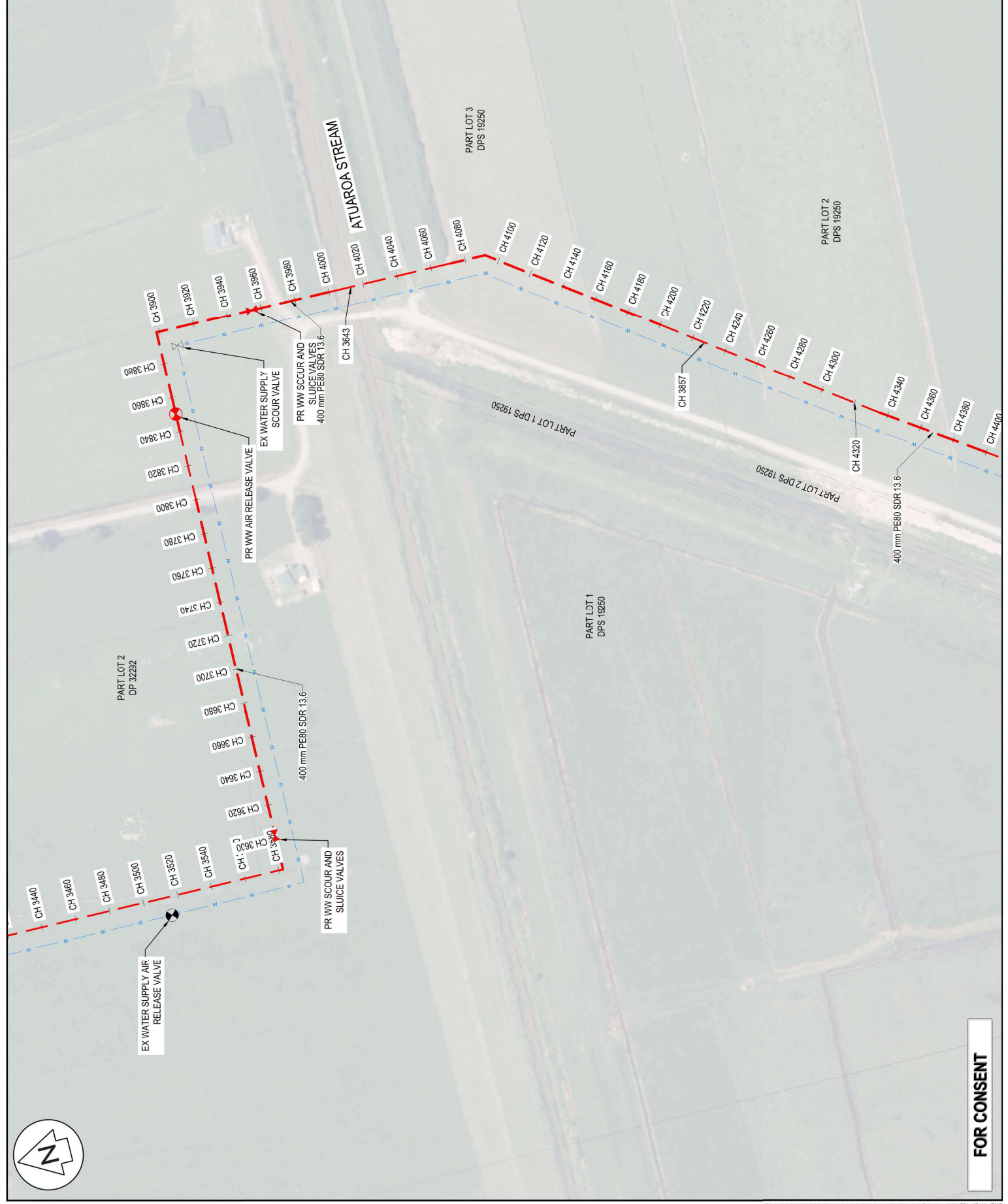
Rev	Description	By	Date
Survey	MAVEN		05/20/25
Design	DP		12/25
Drawn	DP		12/25
Checked	CS		12/25

M A V E N
 Naven Bay of Plenty
 115 Cameron Street, Tauranga
 New Zealand

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

Title
PROPOSED
WASTEWATER
RISING MAIN PLAN

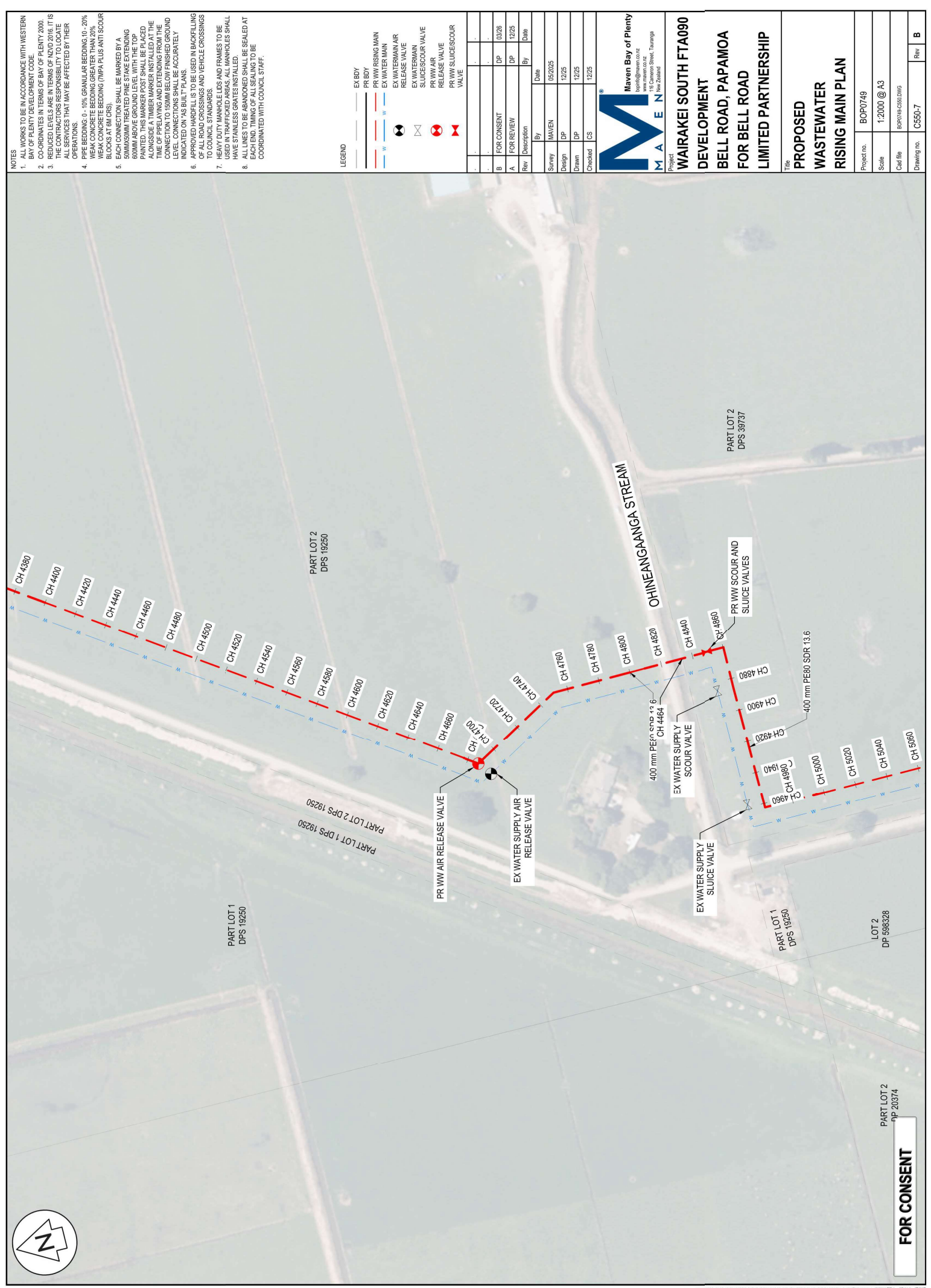
Project no.	BOP0749
Scale	1:2000 @ A3
Card file	8pwpw-cs50.dwg
Drawing no.	C350-6
Rev	B



FOR CONSENT



ORIGINAL SIZE: A3



- NOTES**
- ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
 - COORDINATES IN TERMS OF BAY OF PLENTY 2000.
 - REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 - PIPE BEDDING: 10% GRANULAR BEDDING 10 - 20% WEAK CONCRETE BEDDING (MPA) PLUS ANTI SCOUR BLOCKS AT 6M CRS.
 - 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 CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON "AS BUILT" PLANS.
 - APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 - HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED. ALL MANHOLE FRAMES SHALL HAVE STAINLESS STEEL FINISHES.
 - ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

- LEGEND**
- EX BODY
 - PR BODY
 - PR WW RISING MAIN
 - EX WATER MAIN
 - EX WATERMAIN AIR RELEASE VALVE
 - EX WATERMAIN SLUICESCOUR VALVE
 - PR WW AIR RELEASE VALVE
 - PR WW SLUICESCOUR VALVE

FOR CONSENT	DP	03/26
FOR REVIEW	DP	12/25
By	Date	
Survey	MAVEN	05/2025
Design	DP	12/25
Drawn	DP	12/25
Checked	CS	12/25

Maven Bay of Plenty
 115 Cameron Street, Tauranga
 New Zealand

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

Title
PROPOSED
WASTEWATER
RISING MAIN PLAN

Project no.	BOP0749
Scale	1:2000 @ A3
Card file	8/pw/ra-c550.dwg
Drawing no.	C550-7
Rev	B

FOR CONSENT

PART LOT 2
DP 20374

LOT 2
DP 598328

PART LOT 1
DPS 19250

PART LOT 2
DPS 39737

PART LOT 2
DPS 19250

PART LOT 2 DPS 19250
PART LOT 1 DPS 19250

PART LOT 1
DPS 19250

- NOTES**
- ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
 - CO-ORDINATES IN TERMS OF BAY OF PLENTY 2000.
 - REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 - PIPE BEDDING: 10% GRANULAR BEDDING 10 - 20% WEAK CONCRETE BEDDING (MCPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 - 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 POINT OF CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 - APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 - HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED. ALL MANHOLES SHALL BE 1200MM DIA. ALL MANHOLES SHALL HAVE STAINLESS STEEL GRATES.
 - ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

- LEGEND**
- EX BDY
 - PR BDY
 - PR WW RISING MAIN
 - EX WATER MAIN
 - EX WATERMAIN AIR RELEASE VALVE
 - EX WATERMAIN SLUICESCOUR VALVE
 - PR WW AIR RELEASE VALVE
 - PR WW SLUICESCOUR VALVE

Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

Survey	MAVEN	05/2025
Design	DP	12/25
Drawn	DP	12/25
Checked	CS	12/25

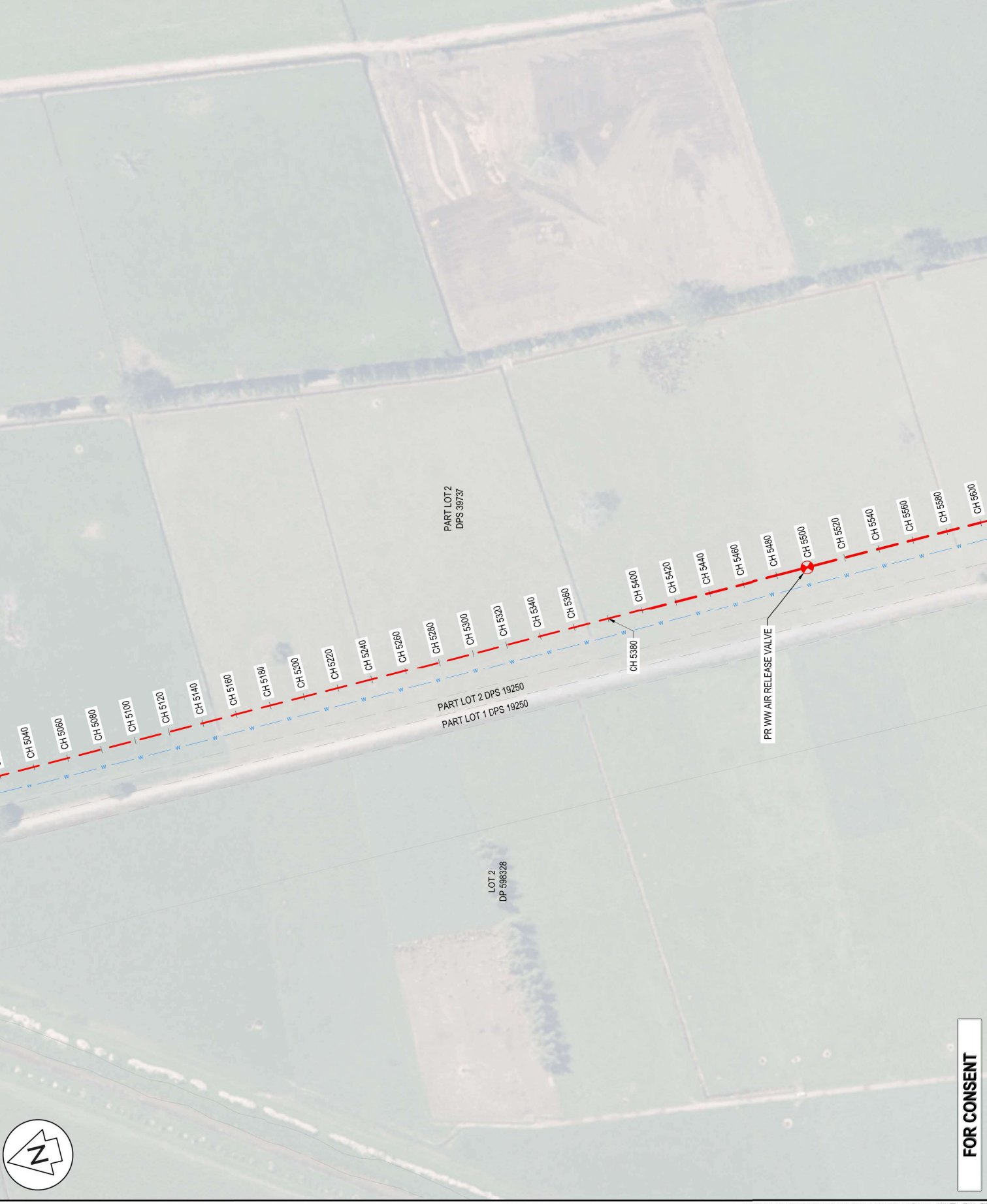
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Project
WAIRAKEI SOUTH FTA090 DEVELOPMENT
BELL ROAD, PAPAMOA
FOR BELL ROAD LIMITED PARTNERSHIP

Title
PROPOSED WASTEWATER RISING MAIN PLAN

Project no. BOP0749
Scale 1:2000 @ A3
Card file BPOPIV4-0550.DWG

Drawing no. C550-8
Rev B

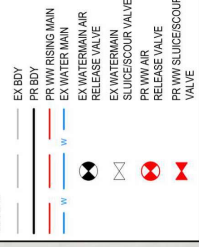


FOR CONSENT

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 ALL SERVICES THAT MAY BE AFFECTED BY THEIR PROPOSED WORKS.
4. PIPE BEDDING 0-10% GRANULAR BEDDING 10-20% WEAK CONCRETE BEDDING (MIPA 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 100MM ABOVE FINISHED GROUND LEVEL. THE STAKE ALONGSIDE A TIMBER MARKER INSTALLED AT 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 HARP/FILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
7. ALL MANHOLES AND FRAMES TO BE USED IN TRAFFICKED AREAS. ALL MANHOLES SHALL HAVE STAINLESS GRATES INSTALLED.
8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND



Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

Survey	MAVEN	Date	05/20/25
Design	DP	Date	12/25
Drawn	DP	Date	12/25
Checked	CS	Date	12/25

Maven Bay of Plenty
 115 Cameron Street, Tauranga
 New Zealand

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

Title
PROPOSED WASTEWATER RISING MAIN PLAN

Project no.	BOP0749
Scale	1:2000 @ A3
Card file	BP0195-050-DWG
Drawing no.	C350-9
Rev	B



FOR CONSENT

NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
- CO-ORDINATES IN TERMS OF BAY OF PLENTY 2000.
- REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR WORK.
- PIPE BEDDING IS 10% GRANULAR BEDDING TO 20% WEAK CONCRETE BEDDING (7MPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
- EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 60MM ABOVE GROUND LEVEL WITH THE TOP PAINTED RED. THE STAKE SHALL BE PLACED ON THE EXTERIOR OF THE PIPE AND INSTALLED AT THE TIME OF PRELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
- APPROVED HARDFILLS TO BE USED IN BACKFILLINGS OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
- NEW MANHOLES AND FRAMES TO BE USED IN TRAFFICED AREAS. ALL MANHOLES SHALL HAVE STAINLESS GRATES INSTALLED.
- ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

- EX BDDY
- PR BDDY
- PR WW RISING MAIN
- EX WATER MAIN
- EX WATERMAIN AIR RELEASE VALVE
- EX WATERMAIN SLUICESCOUR VALVE
- PR WW AIR RELEASE VALVE
- PR WW SLUICESCOUR VALVE

Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	DP	12/25

Survey	MAVEN	05/2025
Design	DP	12/25
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Project
WAIRAKEI SOUTH FTA090 DEVELOPMENT
BELL ROAD, PAPAMOA
FOR BELL ROAD LIMITED PARTNERSHIP

Title
PROPOSED WASTEWATER RISING MAIN PLAN

Project no. BOP0749
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