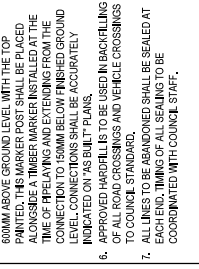


NOTES

- 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.
- PROVIDE 10% GRANULAR BEDDING 10-20% WEAK CONCRETE BEDDING GREATER THAN 90% WEAK CONCRETE BEDDING (MIPA PLUS ANTI SCOUR BLOCKS AT 8M CRS).
- EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 60MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THE MARKER POST SHALL BE PLACED 100MM FROM THE END OF THE PIPE. THE TIME OF PRELAYSING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
- APPROVED HARDPIILLS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARD.
- ALL LINES TO BE APPROVED SHALL BE SEALED AT EX-GRANDI BECAUSE TO BE COORDINATED WITH COUNCIL STAFF.



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

Survey	M/AVEN	05/2025
Design	JAD	12/25
Drawn	JAD	12/25
Checked	SB	12/25

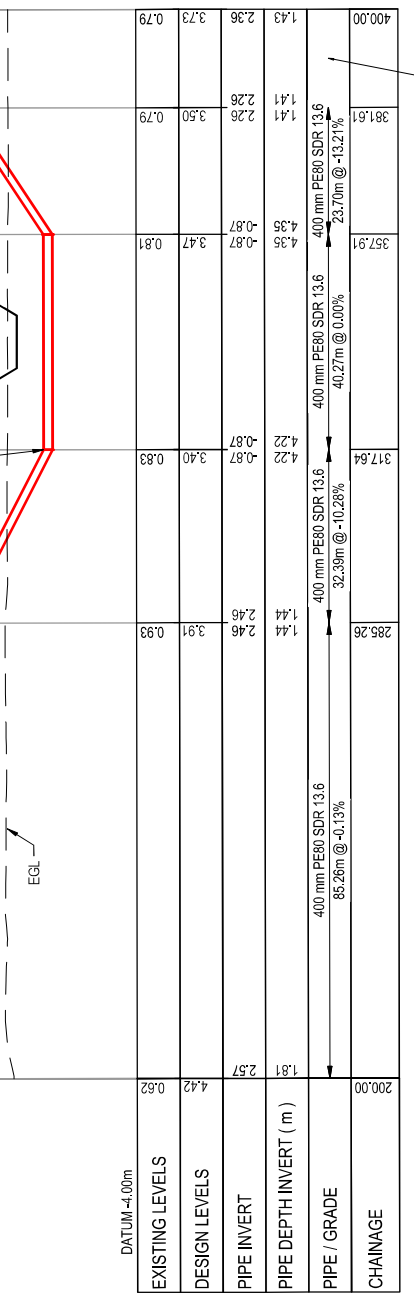
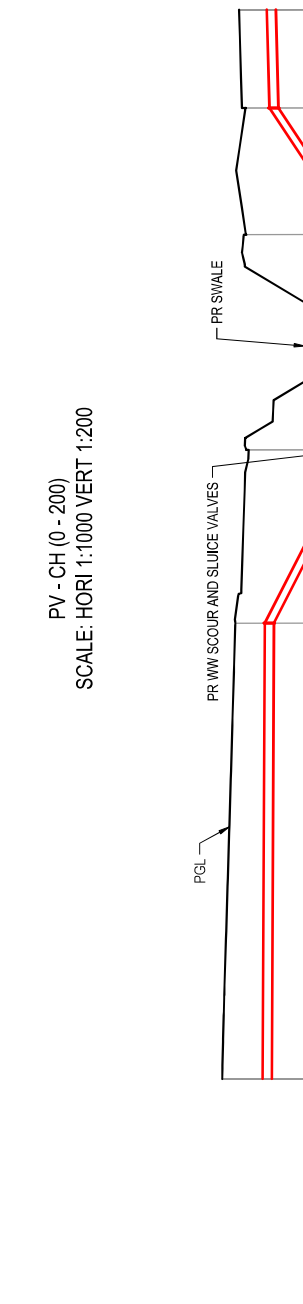
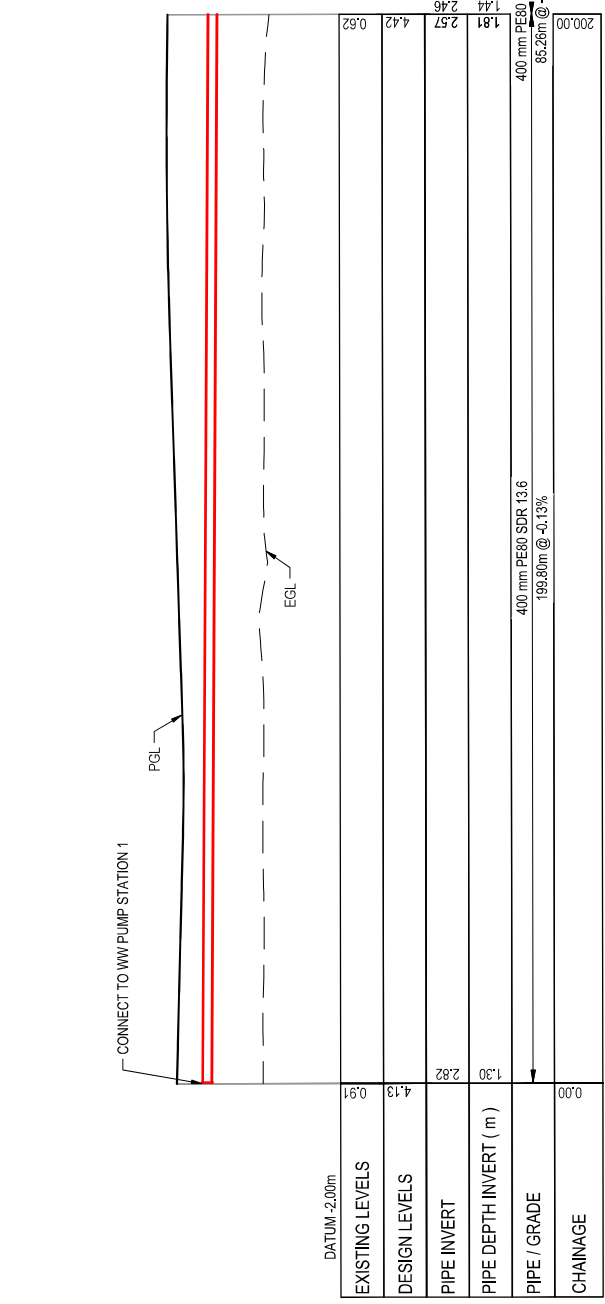
**M A V E N**  
 M/AVEN  
 118 Cameron Street, Tauranga  
 www.maven.co.nz  
 (07) 769 2222

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

**Title**  
**PROPOSED WASTEWATER RISING MAIN LONG SECTION**

**Project no.** BOP0749  
**Scale** AS SHOWN  
**Client file** BOP0749/ISSUE.DWG  
**Drawing no.** C355-1

**Rev** B



ORIGINAL SIZE: A3



DATE: 4/128 FILE PATH: \\MVEN\WORK\PROJECTS\WAIKAREKI SOUTH FTA090\BOP0749\ISSUE.DWG

**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 CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
  - PIPE BEDDING - 10% GRANULAR BEDDING 10 - 20% WEAR CONCRETE BEDDING GREATER THAN 20% BEDDING (IMPA) PLUS ANTI SCOUR BLOCKS AT AN GSS.
  - EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 600MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELAYING AND EXTENDING FROM THE EXISTING TO THE NEW CONNECTION. ALL GROUND LEVEL CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
  - APPROVED HARDFILLS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARD.
  - ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

- PR GROUND LEVEL
- EX GROUND LEVEL
- PR RISING MAIN
- EX BDY

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

Survey	MAVEN	05/2025
Design	JAD	12/25
Drawn	JAD	12/25
Checked	SB	12/25

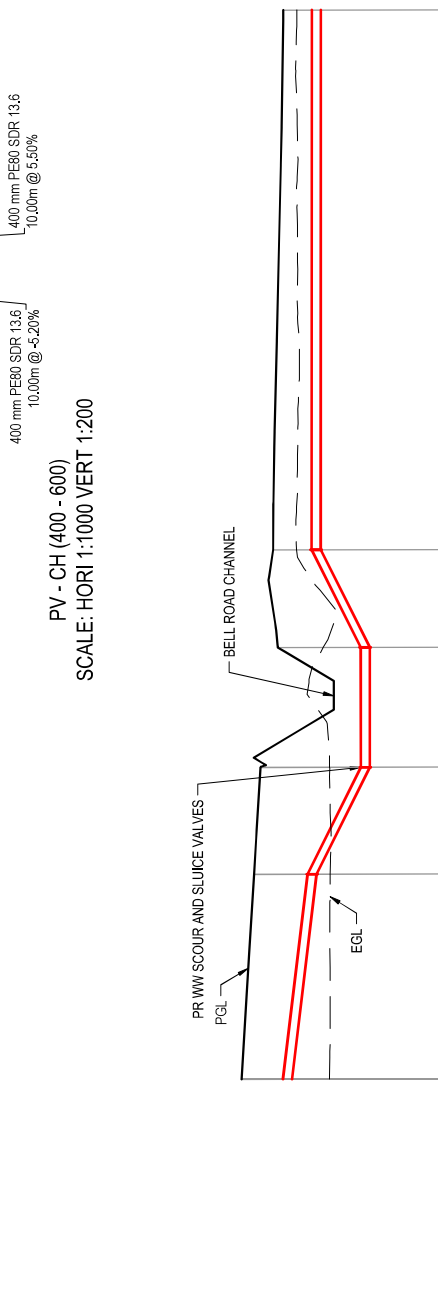
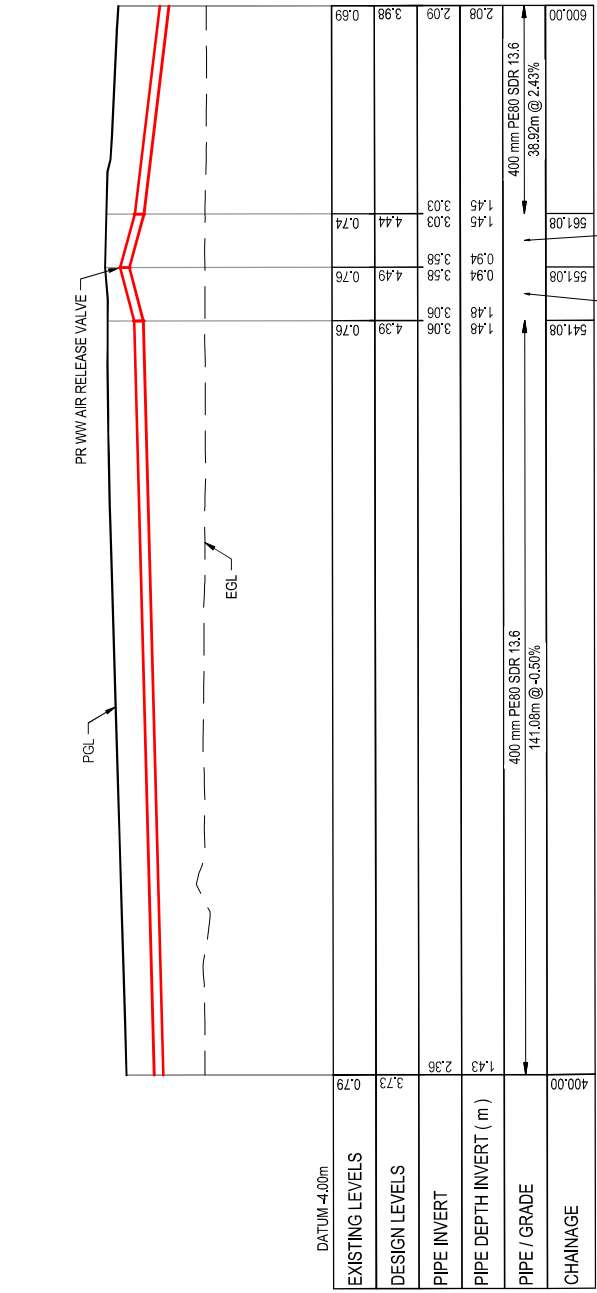
Maven Bay of Plenty  
 118 Cameron Street, Tauranga  
 www.maven.co.nz  
 (07) 552 2222

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

Title  
**PROPOSED WASTEWATER RISING MAIN LONG SECTION**

Project no.	BOP0749
Scale	AS SHOWN
Client file	BP0704/SSU.DWG
Drawing no.	C355-2

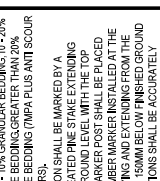
Rev B





NOTES

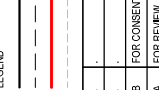
1. ALL WORKS TO BE IN ACCORDANCE WITH WESTERN BAY OF PLENTY DEVELOPMENT CODE.
2. CO-ORDINATES IN TERMS OF BAY OF PLENTY 2000.
3. REDUCED LEVELS ARE IN TERMS OF NZVD 2016. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR WORKS.
4. PRELAYS TO BE 0 - 10% GRANULAR BEDDING, 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (M/PA 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 PAINTED. THE MARKER POST SHALL BE PLACED 100MM FROM THE END OF THE PIPE AND THE TIME OF PIPE LAYING 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 STANDARD.
7. ALL RISES OF PIPES SHALL BE SEALED AT EACH END. THE JOINTS SHALL BE SEALED TO BE COORDINATED WITH COUNCIL STAFF.



EXISTING LEVELS	1400.00
DESIGN LEVELS	2.50
PIPE INVERT	1.31
PIPE DEPTH INVERT (m)	1.19
PIPE / GRADE	400 mm PE80 SDR 13.6 200.00m @ 0.00%
CHAINAGE	1200.00

DATUM = +4.00m

PV - CH (1200 - 1400)  
SCALE: HORI 1:1000 VERT 1:200



EXISTING LEVELS	1600.00
DESIGN LEVELS	2.50
PIPE INVERT	1.31
PIPE DEPTH INVERT (m)	1.19
PIPE / GRADE	400 mm PE80 SDR 13.6 200.00m @ 0.00%
CHAINAGE	1400.00

DATUM = +2.00m

PV - CH (1400 - 1600)  
SCALE: HORI 1:1000 VERT 1:200



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

Survey	MAVEN	Date	05/2025
Design	JAD	Date	12/25
Drawn	JAD	Date	12/25
Checked	SB	Date	12/25



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

Title  
**PROPOSED WASTEWATER RISING MAIN LONG SECTION**

Project no.	BOP0749
Scale	AS SHOWN
Client	BP/PP/MS/SS/DWG
Drawing no.	C355-4
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 CONTRACTOR'S RESPONSIBILITY TO LOCATE POINTS THAT MAY BE AFFECTED BY THEIR OPERATIONS.
4. PIPE BEDDING 0 - 10% GRANULAR BEDDING 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% BLOCKS AT 8M CRS).
5. EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STRIKE EXTENDING 100MM ABOVE GROUND LEVEL WITH THE TOP PAINTED RED. THE STRIKE SHALL BE INSTALLED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPE LAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
6. APPROVED HARDPILLS TO BE USED IN BACKFILLING ALL TRENCHES AND VEHICLE CROSSINGS TO FULL STANDARD.
7. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.

LEGEND

---	PR GROUND LEVEL
---	EX GROUND LEVEL
---	PR RISING MAIN
---	EX B'DY

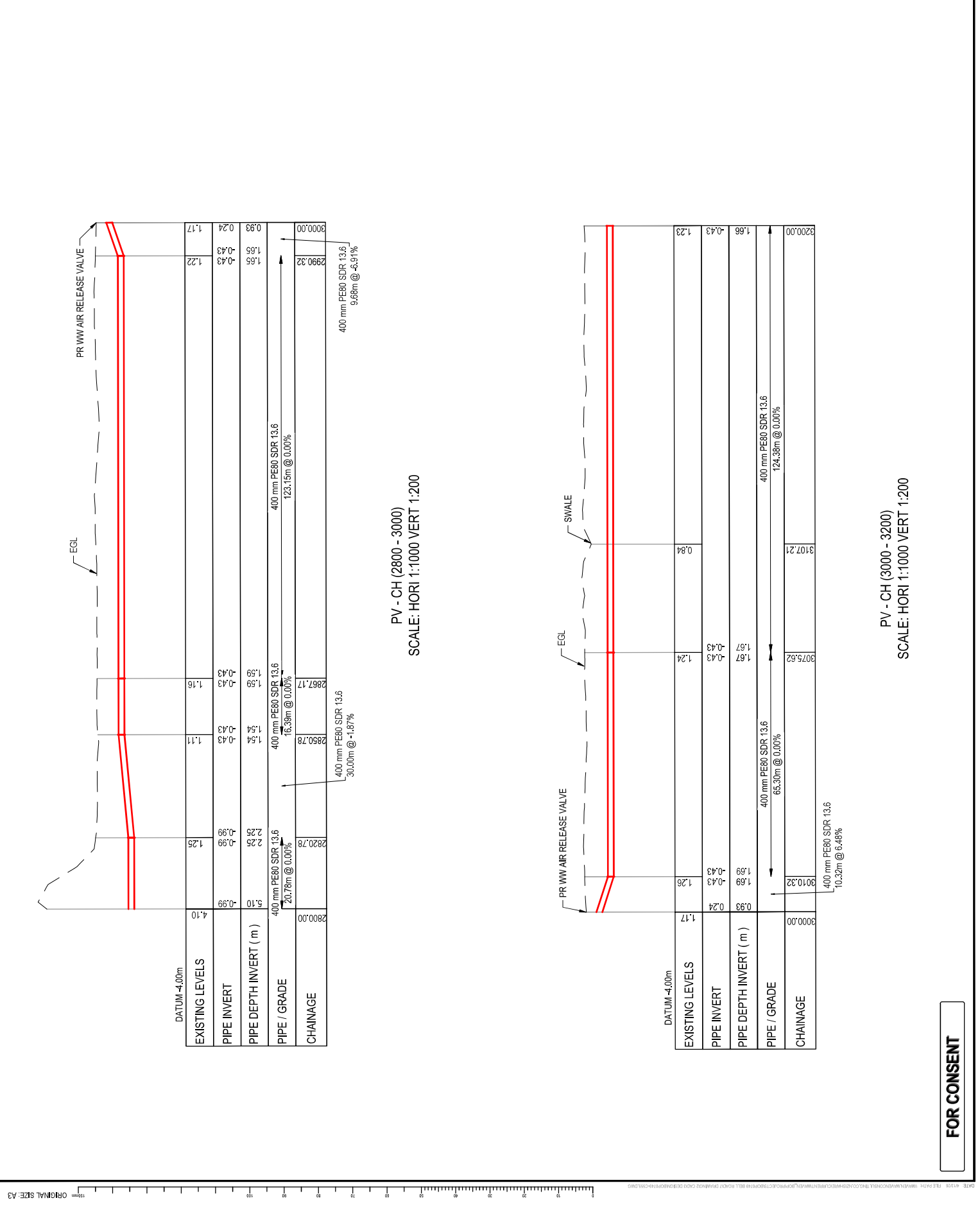
Rev	Description	By	Date
A	FOR REVIEW	JAD	12/25
B	FOR CONSENT	DP	03/26

Survey	M/AVEN	05/2025
Design	JAD	12/25
Drawn	JAD	12/25
Checked	SB	12/25



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

<b>Title</b> PROPOSED WASTEWATER RISING MAIN LONG SECTION	
Project no.	BOP0749
Scale	AS SHOWN
Client file	BP0749-03-01.DWG
Drawing no.	C355-5-B



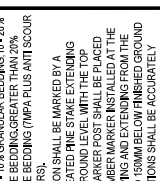
PV - CH (2800 - 3000)  
 SCALE: HORI 1:1000 VERT 1:200

PV - CH (3000 - 3200)  
 SCALE: HORI 1:1000 VERT 1:200

**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. PIPE BEDDING 0 - 10% GRANULAR BEDDING 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% BLOCKS AT 1M CRS).
5. EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 80MM ABOVE GROUND LEVEL WITH THE TOP 100MM OF STAKE PAINTED RED. A 100MMx100MM ALUMINUM TUBER MARKER SHALL BE INSTALLED AT THE TIME OF PRELAYS AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
6. APPROVED HARP PILLIS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COMEEL STANDARD.
7. ALL JOINTS AND ENDS OF PIPE SHALL BE SEALED AT EACH END. THINKING OF ALL SEAMING TO BE CO-ORDINATED WITH COUNCIL STAFF.



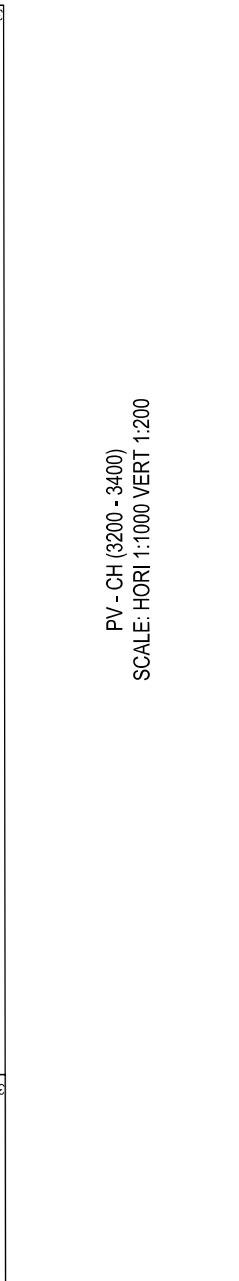
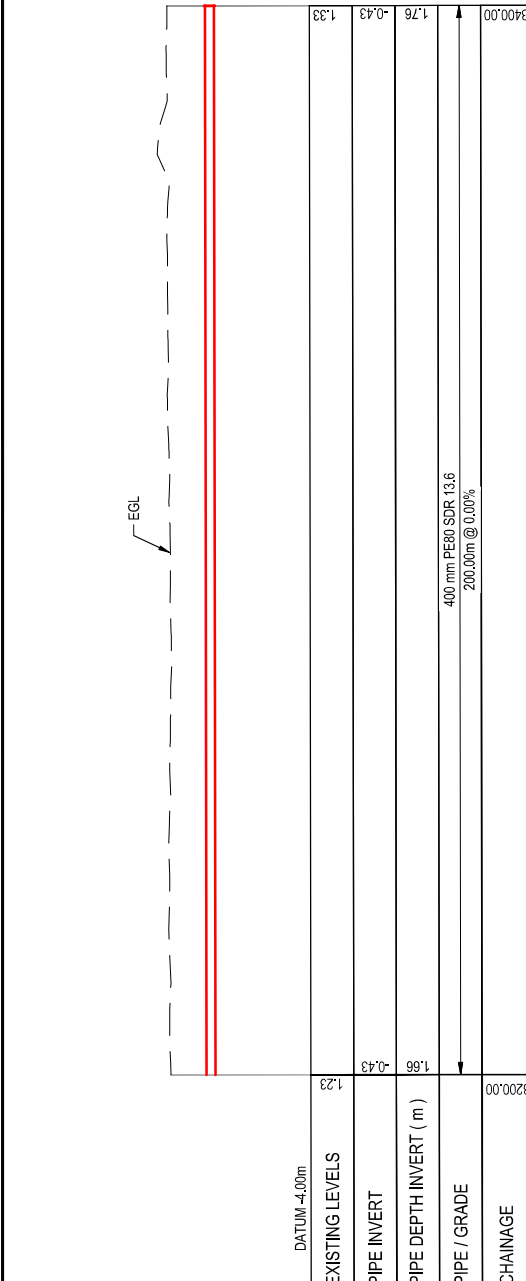
FOR CONSENT	DP	03/26	
FOR REVIEW	JAD	12/25	
Rev	Description	By	Date
Survey	M/AVEN	05/2025	
Design	JAD	12/25	
Drawn	JAD	12/25	
Checked	SB	12/25	



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

**Title**  
**PROPOSED WASTEWATER RISING MAIN LONG SECTION**

Project no.	BOP0749
Scale	AS SHOWN
Client file	BP0704/03/05/2025.DWG
Drawing no.	C355-C-9
Rev	B



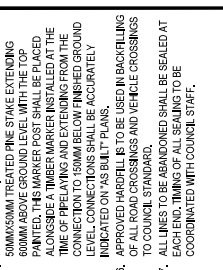
ORIGINAL SIZE: A3

**FOR CONSENT**



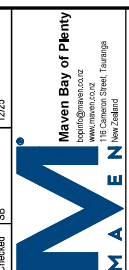
NOTES

- 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.
- REDUCE TO 1% GRANULAR BEDDING 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 90% WEAK CONCRETE BEDDING (MPA PLUS ANTISCOUR BLOCKS AT 8M CRS).
- EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 60MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED AT THE END OF EACH PIPE RUN. THE TIME OF PIPELAYING AND DETAILING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL, CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
- APPROVED 'HARDPILL' IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARD.
- ALL LINES TO BE ABANDONED SHALL BE SEALED AT THE END OF THE LINE. ALL SERVICES TO BE COOPERATED WITH COUNCIL STAFF.



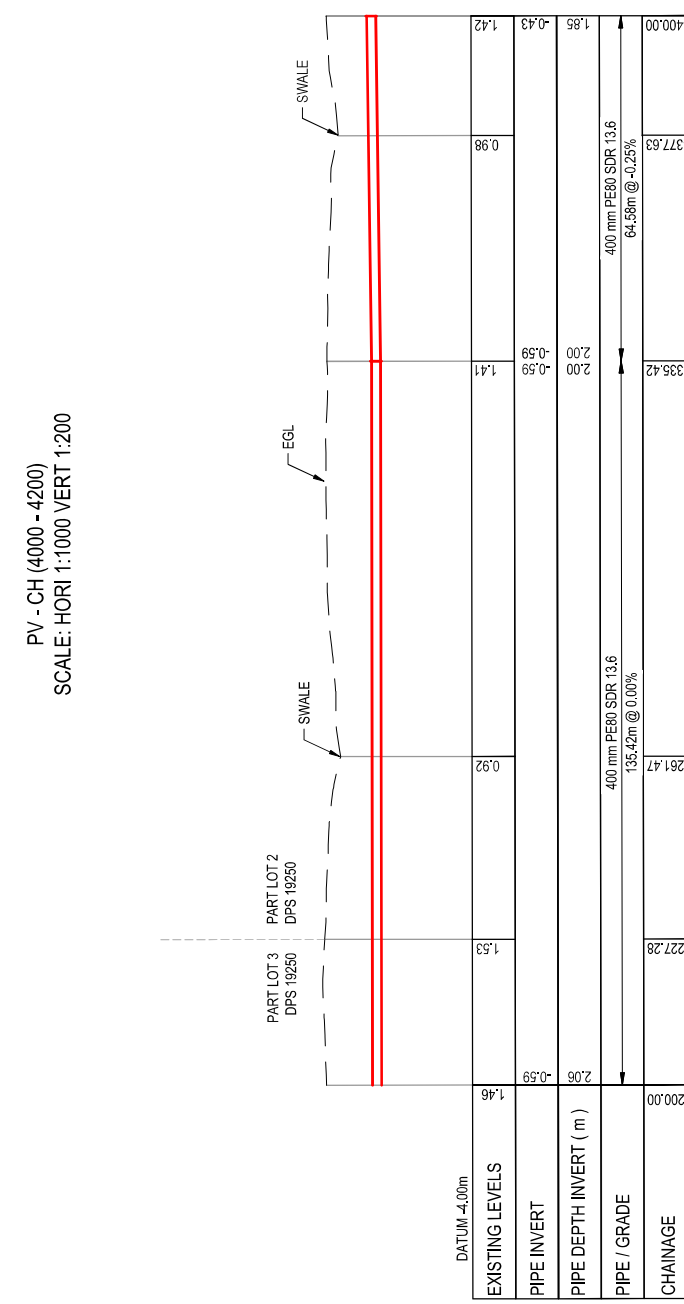
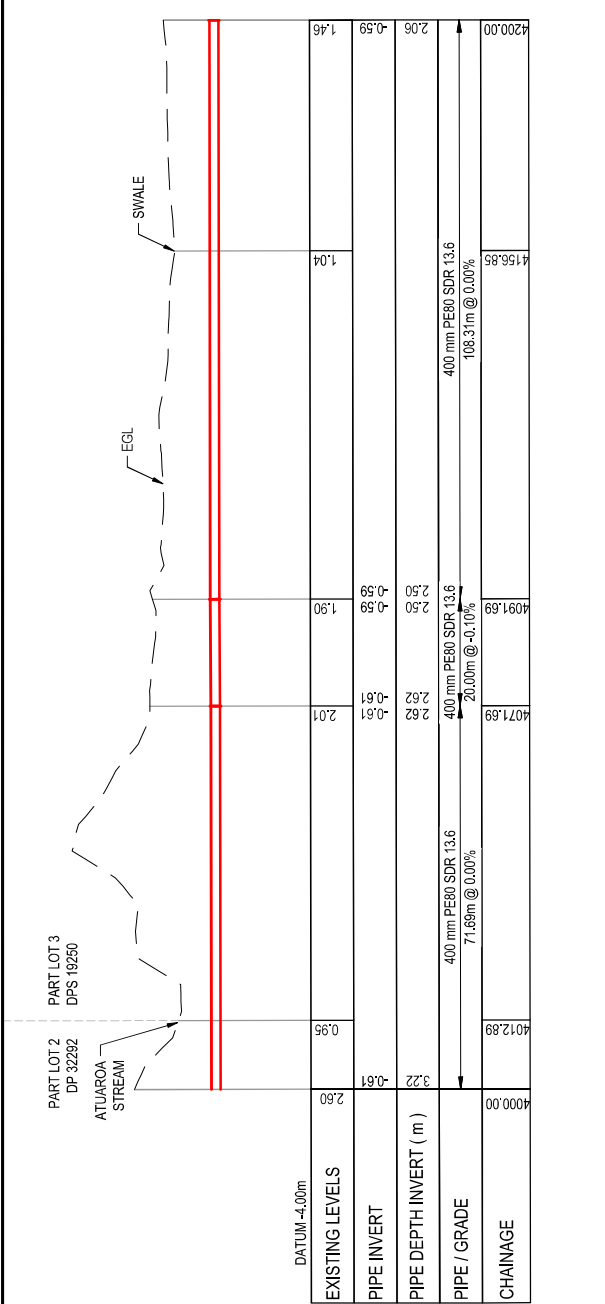
Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	JAD	12/25

Survey	MAVEN	Date	05/2025
Design	JAD	Date	12/25
Drawn	JAD	Date	12/25
Checked	SB	Date	12/25



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

<b>Title</b>	<b>PROPOSED WASTEWATER RISING MAIN LONG SECTION</b>
<b>Project no.</b>	BOP0749
<b>Scale</b>	AS SHOWN
<b>Client</b>	BOPWATERCROSSING
<b>Drawing no.</b>	C355-11
<b>Rev</b>	<b>B</b>



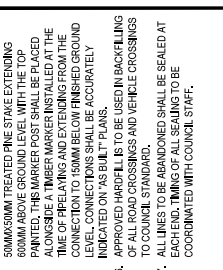
ORIGINAL SIZE: A3

**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 WORKS.
4. PIPE BEDDING: 0 - 10% GRANULAR BEDDING, 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (MPA PLUS ANTI SCOUR BLOCKS AT RM CRS).
5. EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 600MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THE MARKER POST SHALL BE PLACED 100MM FROM THE PIPE AND SHALL BE SET AT THE TIME OF PIPE LAYING 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 STANDARD.
7. ALL MANHOLE COVERS SHALL BE SEALED AT EACH END. THINKING ALL SEAMS TO BE COORDINATED WITH COUNCIL STAFF.



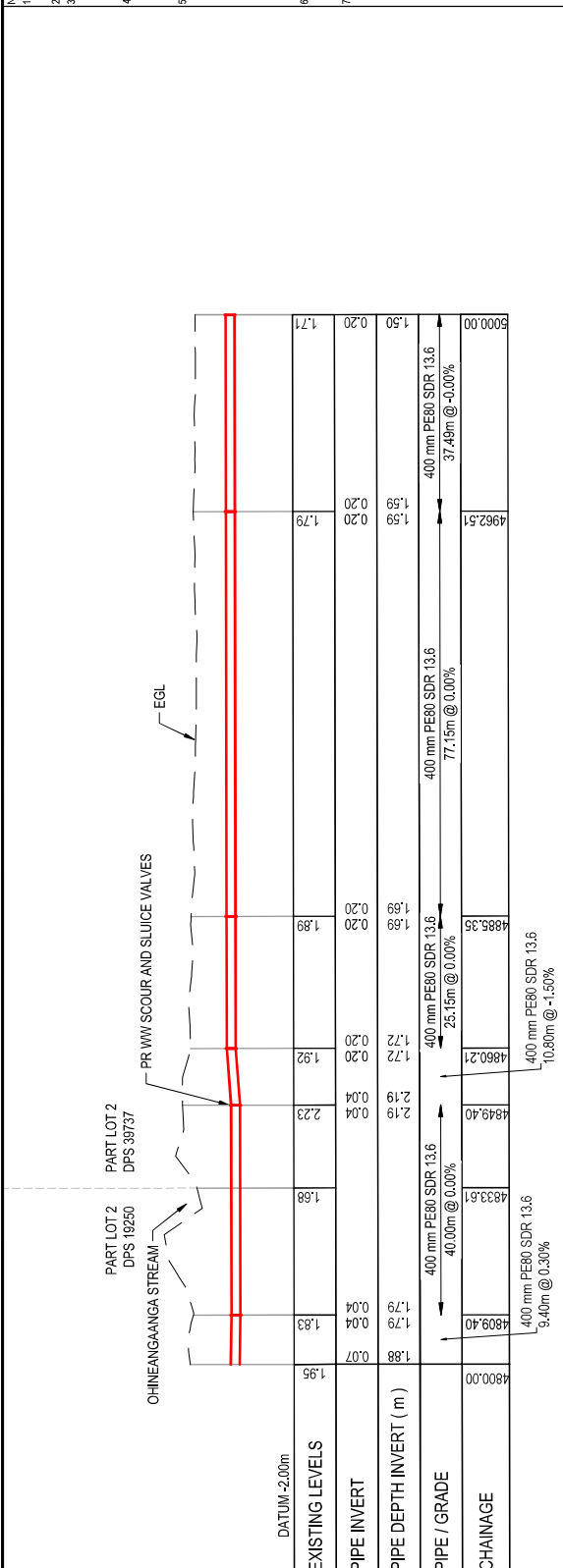
Rev	Description	By	Date
B	FOR CONSENT	DP	03/26
A	FOR REVIEW	JAD	12/25

Survey	M/AVEN	05/2025
Design	JAD	12/25
Drawn	JAD	12/25
Checked	SB	12/25

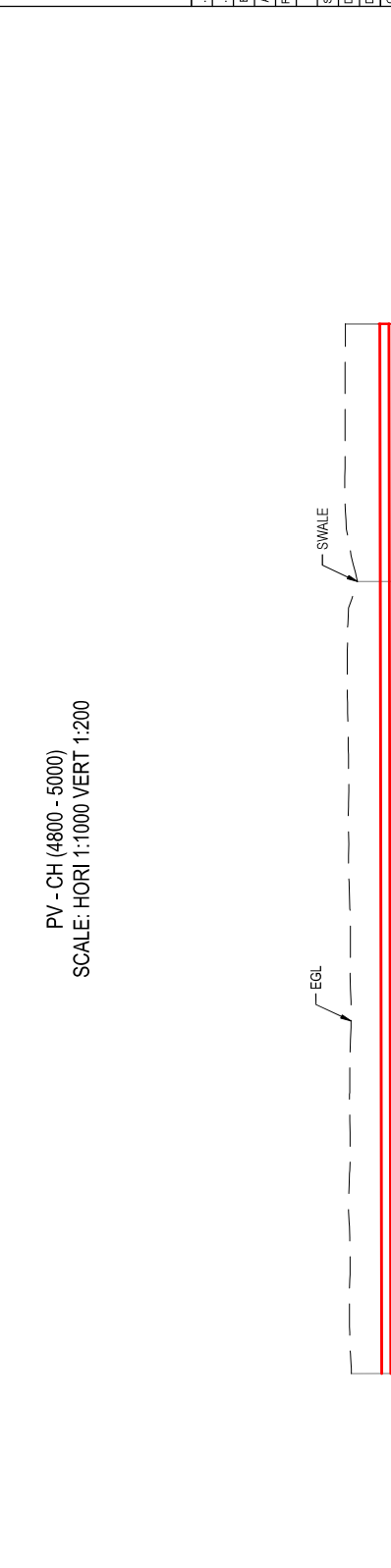
**M A V E N**  
 M/AVEN  
 118 Cameron Street, Tauranga  
 Tauranga, New Zealand  
 www.maven.co.nz

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

<b>Title</b>	
<b>PROPOSED WASTEWATER RISING MAIN LONG SECTION</b>	
Project no.	BOP0749
Scale	AS SHOWN
Client	BOP/PP/SCSS/DWG
Drawing no.	C-555-13
Rev	B



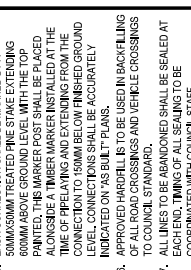
PV - CH (4800 - 5000)  
 SCALE: HORI 1:1000 VERT 1:200



PV - CH (5000 - 5200)  
 SCALE: HORI 1:1000 VERT 1:200

**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 CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
  - PIPE BEDDING OF 10% GRANULAR BEDDING 10-20% BEDDING OF 5% GRANULAR BEDDING TO BE USED IN WEAK CONCRETE BEDDING (MPA PLUS ANTI SCOUR BLOCKS AT 8M 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 100MM FROM THE CENTERLINE OF THE PIPE. THE TOP OF THE STAKE SHALL BE 100MM ABOVE 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 STANDARD.
  - ALL LINES TO BE ABANDONED SHALL BE SEALED AT THE END. THE END OF ALL LINES TO BE COOPERATED WITH COUNCIL STAFF.



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

Survey	M/AVEN	05/2025
Design	JAD	12/25
Drawn	JAD	12/25
Checked	SB	12/25

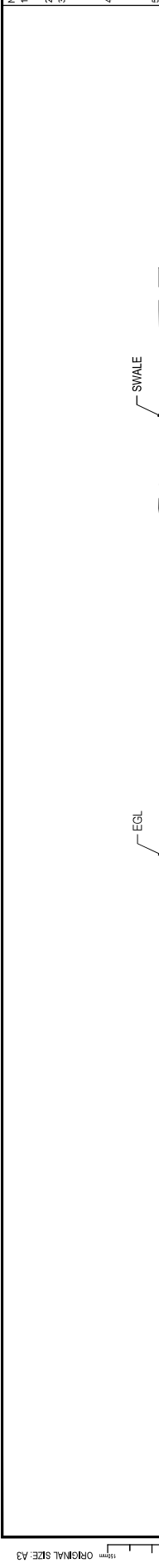
**M A E N**

Maven Bay of Plenty  
 118 Cameron Street, Tauranga  
 www.maven.co.nz  
 (07) 778 2222

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

**Title**  
**PROPOSED WASTEWATER RISING MAIN LONG SECTION**

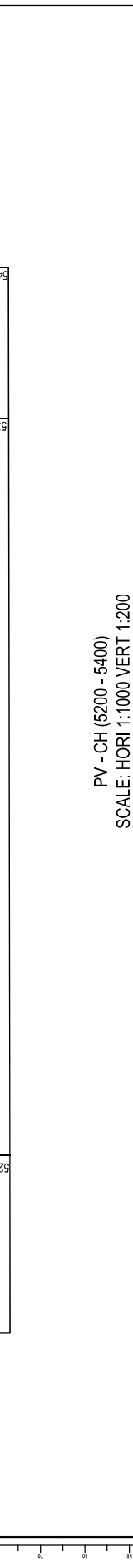
Project no.	BOP0749
Scale	AS SHOWN
Client	BP/PP/MS/SS/DWG
Drawing no.	C355-14



**DATUM -2.00m**

EXISTING LEVELS	1.85	1.71	2.04
PIPE INVERT	0.21		
PIPE DEPTH INVERT (m)	1.65		
PIPE / GRADE		400 mm PE80 SDR 13.6	
CHAINAGE	5200.00	5366.01	5400.00

**PV - CH (5200 - 5400)**  
**SCALE: HORI 1:1000 VERT 1:200**



**DATUM -2.00m**

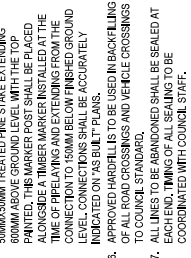
EXISTING LEVELS	2.04	2.01	2.40
PIPE INVERT	0.22	2.31	2.27
PIPE DEPTH INVERT (m)	1.82	0.94	1.61
PIPE / GRADE		400 mm PE80 SDR 13.6	
CHAINAGE	5400.00	5507.98	5600.00

**PV - CH (5400 - 5600)**  
**SCALE: HORI 1:1000 VERT 1:200**

**FOR CONSENT**

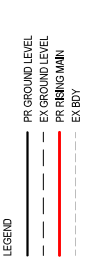
NOTES

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. PE80 PIPE SHALL BE BEDDED TO 10% GRANULAR BEDDING TO 20% WEAK CONCRETE BEDDING GREATER THAN 90% WEAK CONCRETE BEDDING (MPA 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 END OF THE PIPE. 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 HARDPILLS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARD.
7. ALL LINES TO BE ABANDONED SHALL BE SEALED AT THE END AND TO BE COORDINATED WITH COUNCIL STAFF.



Rev	Description	By	Date
A.	FOR REVIEW	JAD	12/25

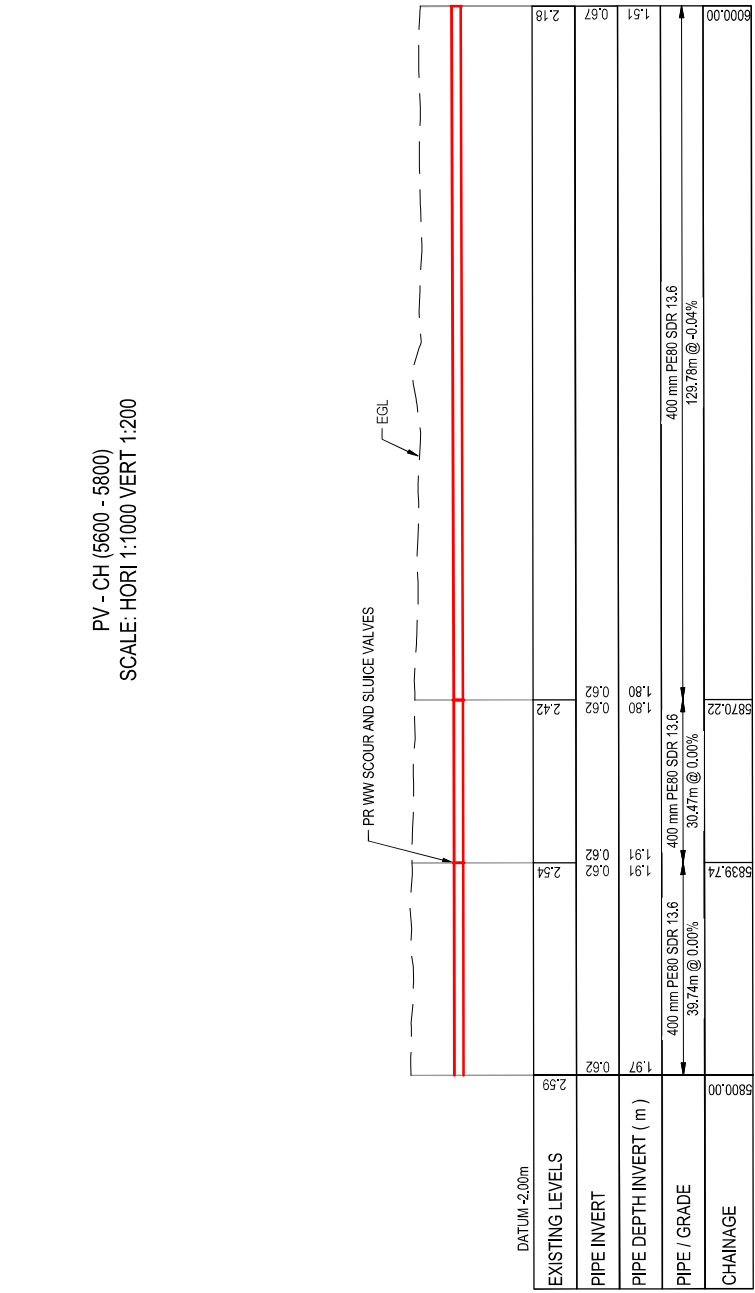
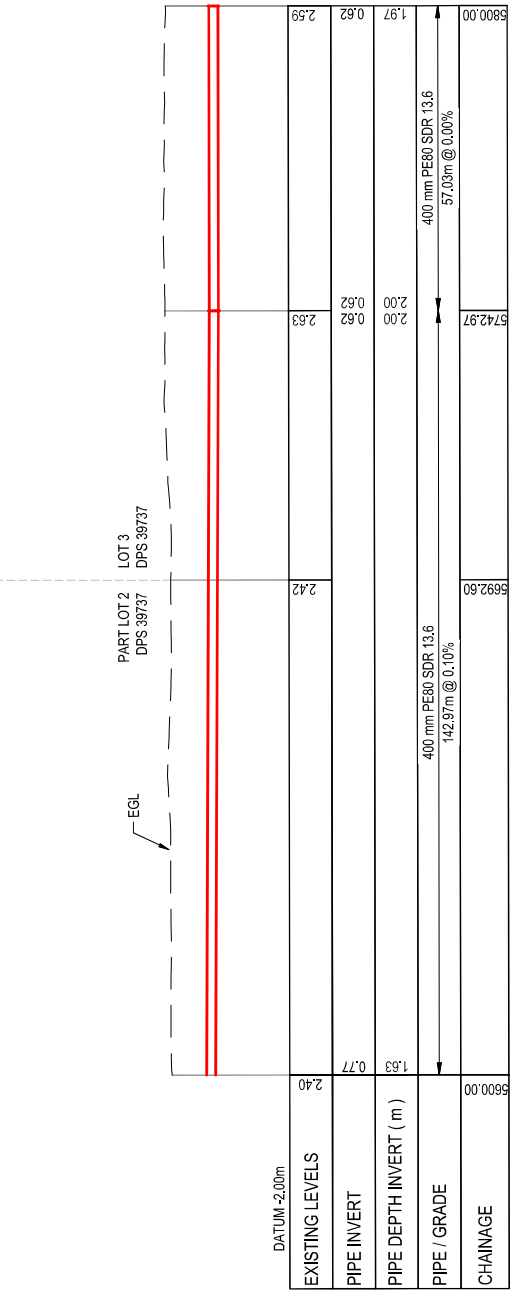
Survey	By	Date
MAVEN	MAVEN	05/2025
Design	JAD	12/25
Drawn	JAD	12/25
Checked	SB	12/25



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

Title
<b>PROPOSED WASTEWATER RISING MAIN LONG SECTION</b>

Project no.	BOP0749
Scale	AS SHOWN
Client file	BP0704/SSU.DWG
Drawing no.	C355-15
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 FEATURES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
  - PRE BEDDING 0 - 10% GRANULAR BEDDING 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (M/PA PLUS ANTI SCOUR BLOCKS AT 8M CRS).
  - EACH CONNECTION SHALL BE MARKED BY A 50MMx50MM TREATED PINE STAKE EXTENDING 60MM ABOVE GROUND LEVEL WITH THE TOP SURFACE PAINTED RED. THE STAKE SHALL BE INSTALLED ALONGSIDE THE PIPE 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.
  - APPROVED HARDPILLS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
  - ALL SEAMS BE MARKED AND SHALL BE SEALED AT EACH END. THINKING OF ALL SEAMING TO BE COORDINATED WITH COUNCIL STAFF.

**LEGEND**

- PR GROUND LEVEL
- EX GROUND LEVEL
- PR RISING MAIN
- EX BDY

Rev	Description	By	Date
A.	FOR REVIEW	JAD	12/25

Survey	MAVEN	05/2025
Design	JAD	12/25
Drawn	JAD	12/25
Checked	SB	12/25

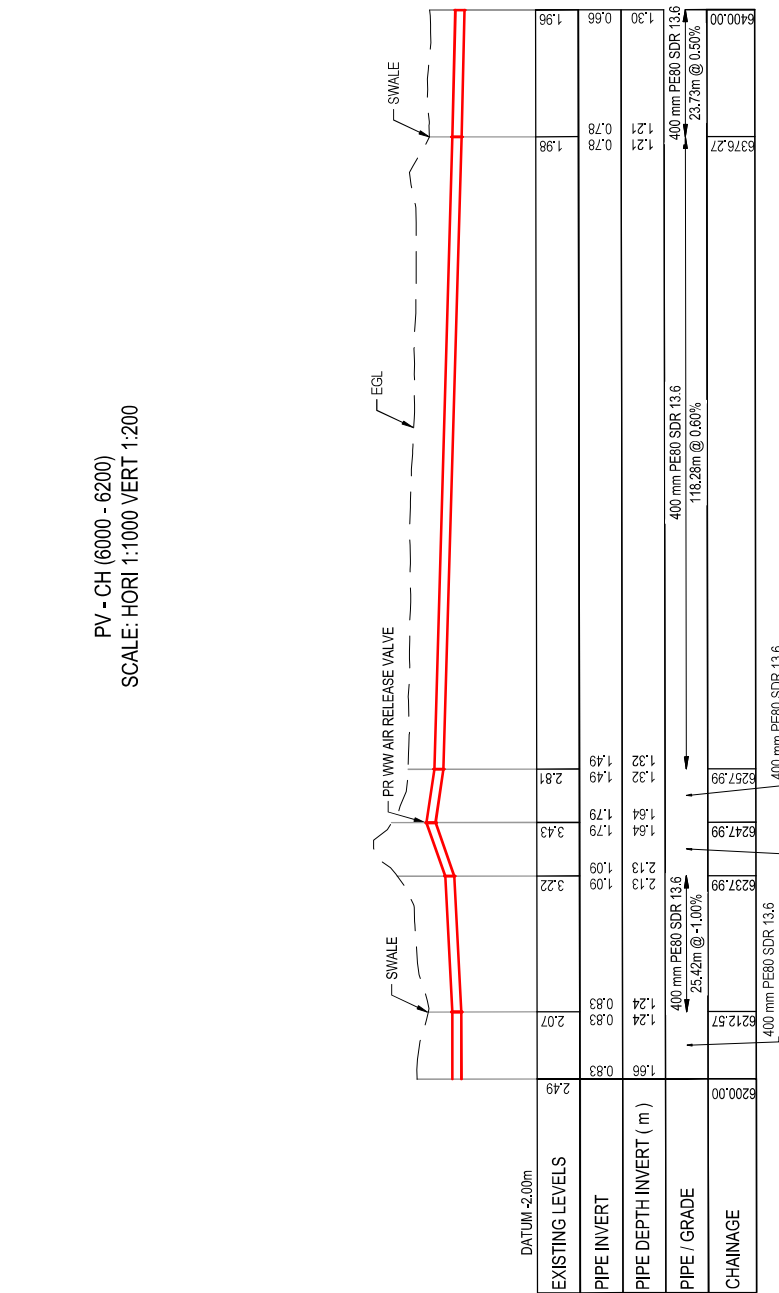
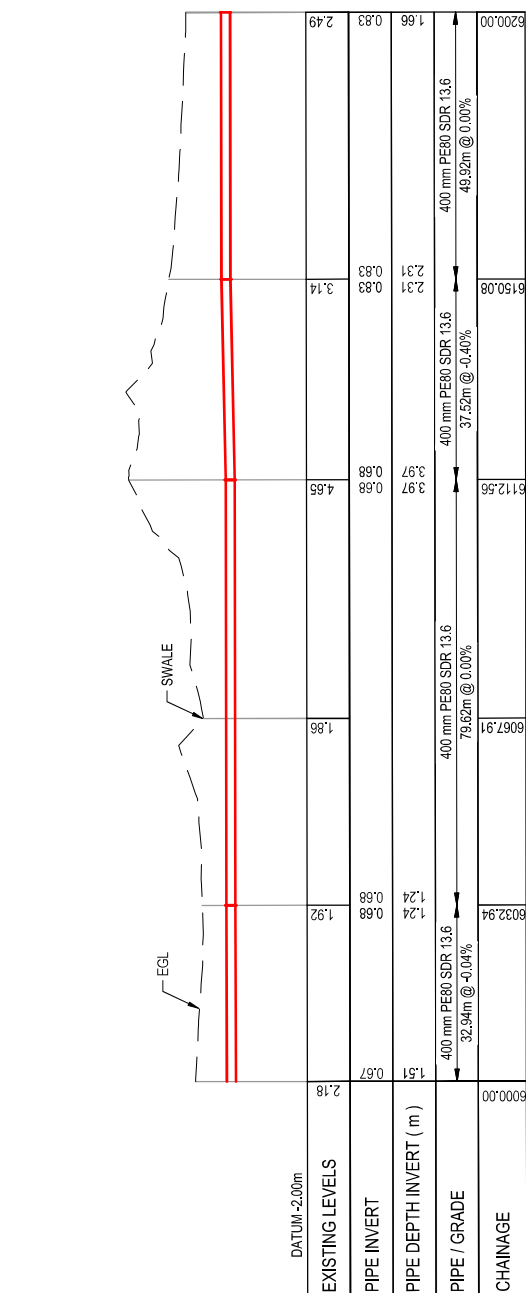
**M A V E N**

Maven Bay of Plenty  
 118 Cameron Street, Tauranga  
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 07 778 0000

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

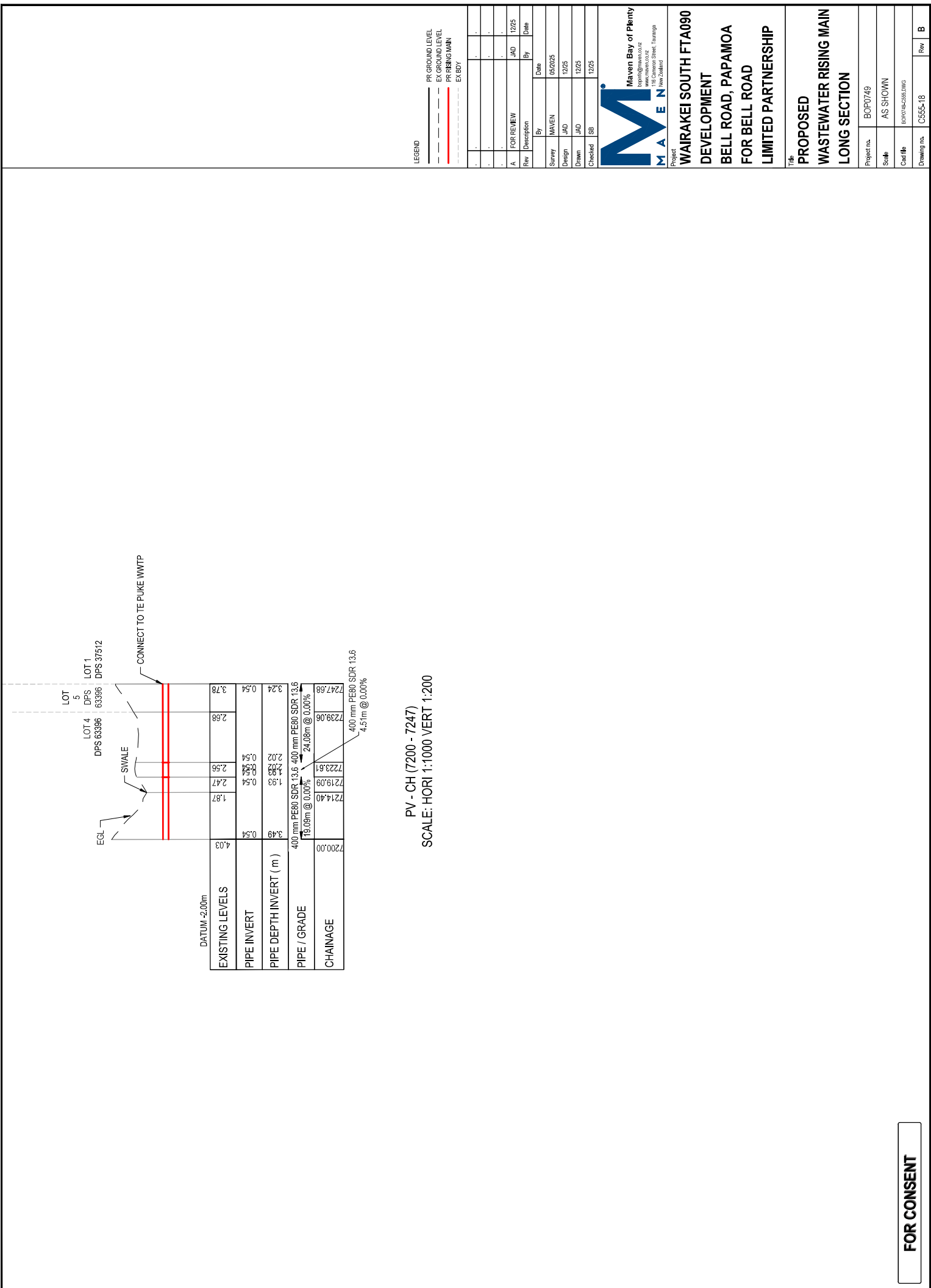
**Title**  
**PROPOSED WASTEWATER RISING MAIN LONG SECTION**

Project no.	BOP0749
Scale	AS SHOWN
Client	BOP/PA/CS/SS/DWG
Drawing no.	C355-16
Rev	B



**FOR CONSENT**





PV - CH (7200 - 7247)  
SCALE: HORI 1:1000 VERT 1:200

LEGEND

- PR GROUND LEVEL
- EX GROUND LEVEL
- PR RISING MAIN
- EX BDY

Rev	Description	By	Date
A	FOR REVIEW	JAD	12/25

Survey	MAVEN	Date	05/02/25
Design	JAD		12/25
Drawn	JAD		12/25
Checked	SB		12/25

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

**Title**  
**PROPOSED**  
**WASTEWATER RISING MAIN**  
**LONG SECTION**

Project no.	BOP0749
Scale	AS SHOWN
Client	BOP/MS/ISS/DWG
Drawing no.	C355-18
Rev	B

**FOR CONSENT**