

150mm

## FOR CONSENT

FILE PATH: F:\MAVEN\PROJECTS\289001 - STATION ROAD - RV DRAINAGE\DWG\289001 C6000 - WS.DWG

FILE PATH: F:\MAVENPROJECTS\289001 - STATION ROAD - RV DRAINAGE\DWG\289001\_C6000 - WS.DWG



## Notes

- All works to be in accordance with RITS standards.
- Co-ordinates in terms of Mount Eden 2000.
- Reduced Levels are in terms of NZVD 2016.
- is the contractors responsibility to locate all services that may be affected by their operations.
- The contractor shall comply with all relevant OSH and Health & Safety requirements.
- The contractor shall obtain all necessary approval from utility operators before commencing work under or near their services.
- Minimum clearances & cover shall be in accordance with Local Council standards.
- Approved hardfill to be used in backfilling of all road crossings and vehicle crossings to Local Council standards.
- Watermains laid across roads shall be backfilled and compacted in 200mm layers above the embedment material.
- All uPVC pipe shall be PN12 minimum pressure rated with spigot and socket rubber ring joints.
- All PE pipe shall be PN12.5 minimum pressure rated and butt-welded. Weld beads shall be removed to provide a smooth bore.
- All non-metallic pipes are to have tracer wire fitted according to Local Council standards.

## Legend

----- EX BDY  
----- PROP BDY  
----- STAGGING BDY  
----- EX WATERMAIN  
----- PROP WATERMAIN  
----- EX/PROP HYDRANT  
----- EX/PROP METER  
----- EX SLUICE VALVE  
----- EX PEAT VALVE  
----- PROP SLUICE VALVE  
----- PROP PEAT VALVE

B	FOR CONSENT	MS	04/25
A	FOR REVIEW	DP	01/25

Rev	Description		By	Date
	By		Date	
Survey	MAVEN		10/2024	
Design	DP		10/2024	
Drawn	DP		10/2024	
Checked	SB		10/2024	

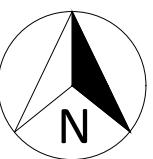


Project  
**ASHBOURNE  
RETIREMENT VILLAGE  
MATAMATA  
FOR  
UNITY DEVELOPMENT LTD**

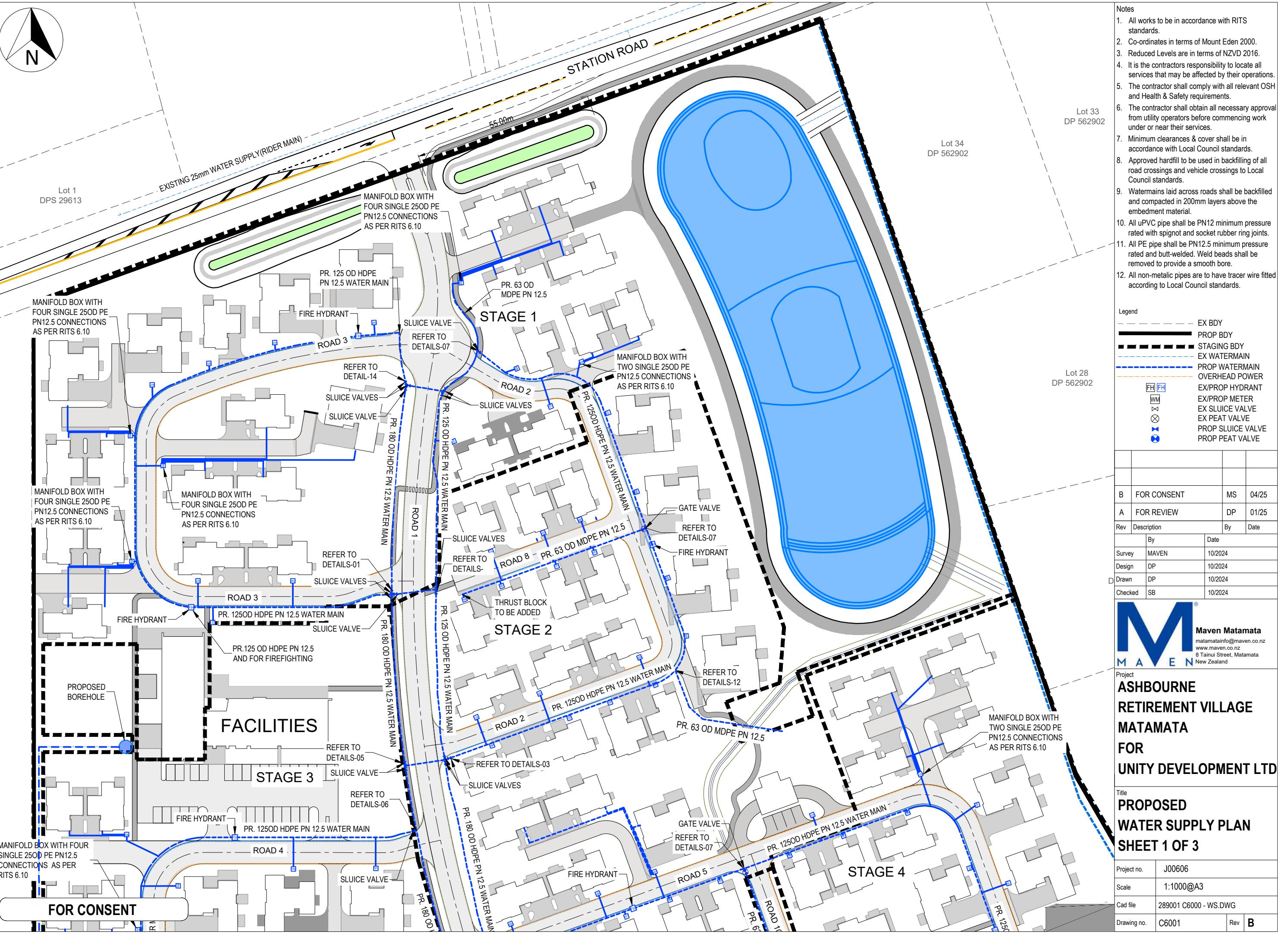
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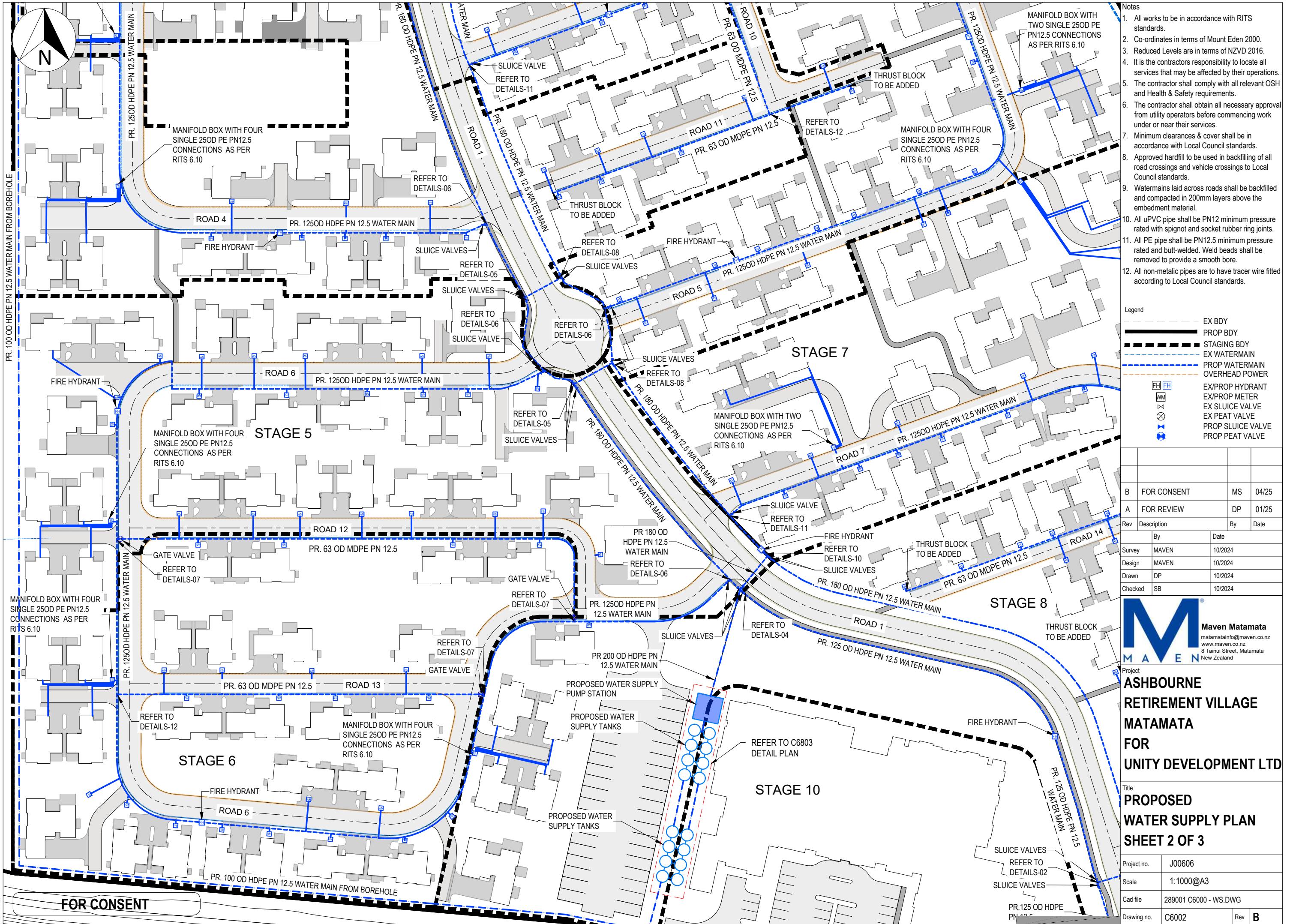
Title  
**PROPOSED WATER  
SUPPLY OVERVIEW  
PLAN**

Project no.	J00606		
Scale	1:2500@A3		
Cad file	289001 C6000 - WS.DWG		
Drawing no.	C6000	Rev	<b>B</b>



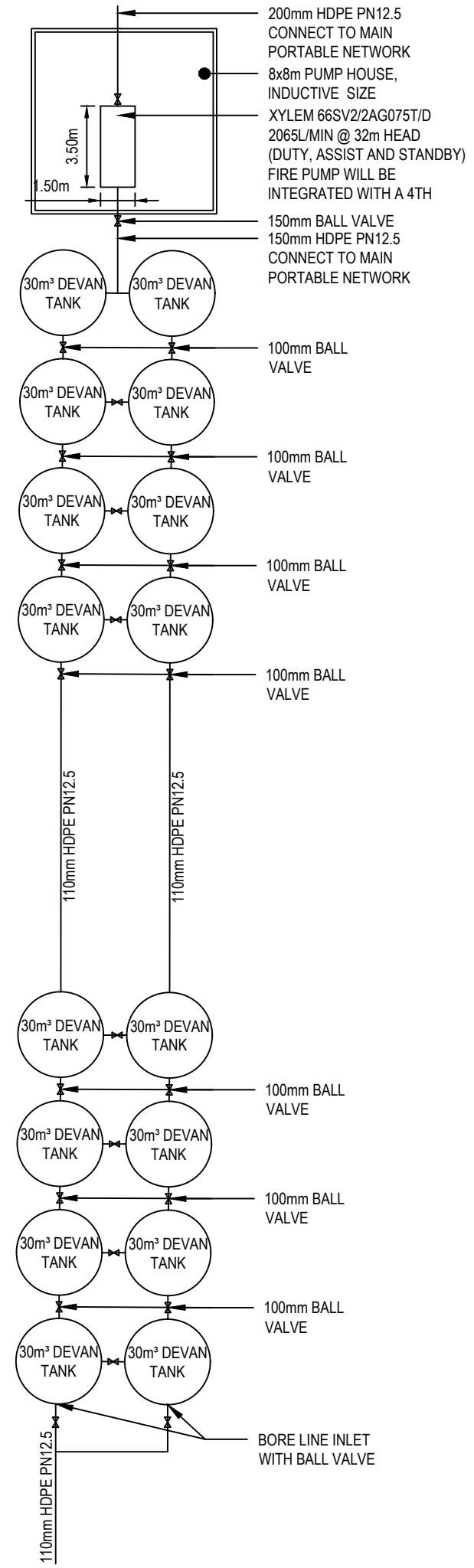
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FILE PATH: F:\MAVEN\PROJECTS\289001 - STATION ROAD - RV DRAINAGE\DWG\289001\_C6000 - WS.DWG





FOR CONSENT

DATE: 7/11/2025



Notes

1. All works to be in accordance with RITS council standards.
2. It is the contractors responsibility to locate any underground services prior to the commencement of works.
3. Minimum cover shall be:
  - Roads, footpaths, crossings: 1000mm
  - Berms: 600mm
  - Service connections: 550-650mm
4. Watermains laid across roads shall be backfilled with hardfill compacted in 200mm layers above the embedment material.
5. All uPVC pipe shall be PN12 minimum pressure rated with spigot and socket rubber ring joints.
6. All PE pipe shall be PN12.5 minimum pressure rated with butt-welded. Weld beads shall be removed to provide a smooth bore.
7. All non-metallic pipes are to have tracer wire fitted to council standards.
8. Pipes shall be bedded and surrounded to 150mm above the pipe soffit with sand or ap20.
9. Metal detector tape printed with 'water pipe below' shall be laid 150mm above all watermains.
10. A yellow isosceles triangle with cats eye pointing to FH shall be painted in the centre of all sealed roads.
11. All valves to be marked with sawcut kerb and blue paint.
12. All flange joints to be protected with denso tape or similar approved by the engineer.

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Design	DP	11/2024	
Drawn	DP	11/2024	
Checked	SB	11/2024	



Project  
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RETIREMENT VILLAGE  
MATAMATA  
FOR  
UNITY DEVELOPMENT LTD**

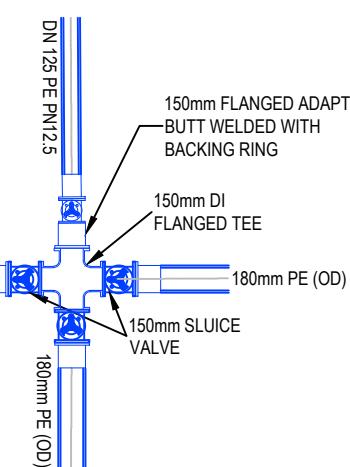
Title  
**WATER SUPPLY  
PUMP HOUSE  
DETAILS**

Project no.	J00606
Scale	AS SHOWN @A3
Cad file	C6800 - WSSD.DWG
Drawing no.	C6803

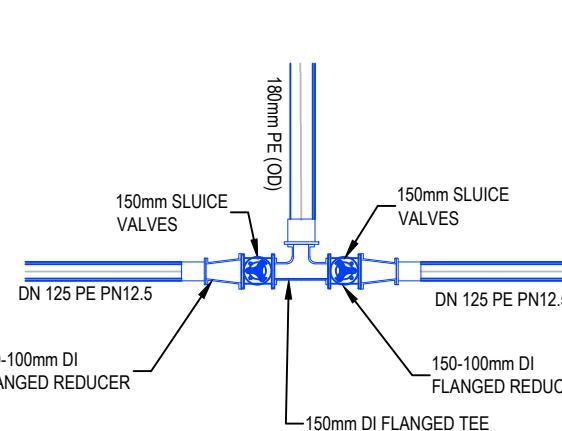
Rev

B

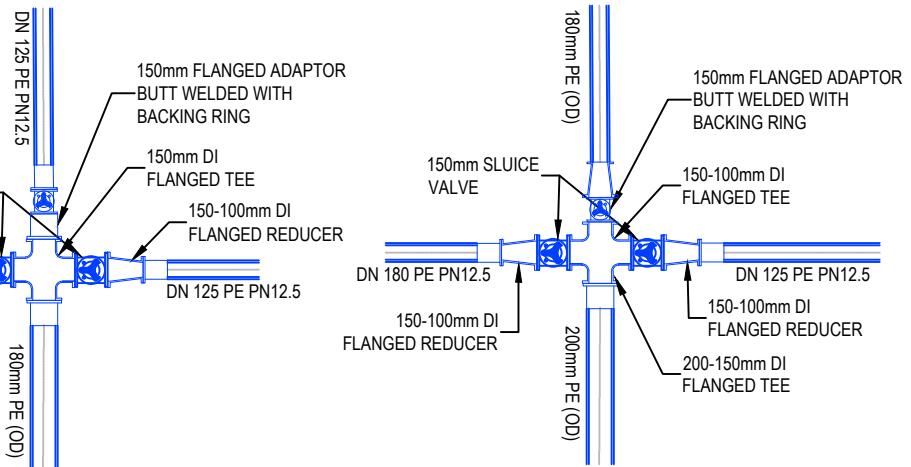
150mm PE (OD)



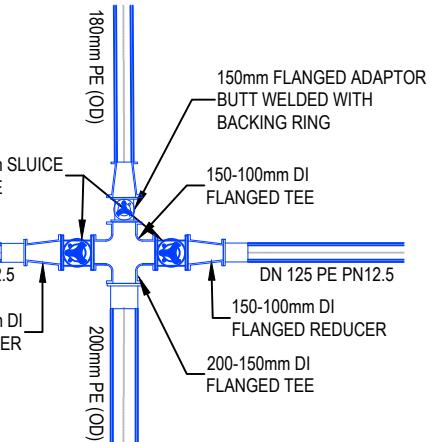
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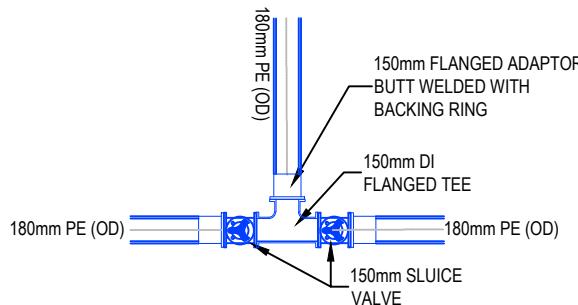
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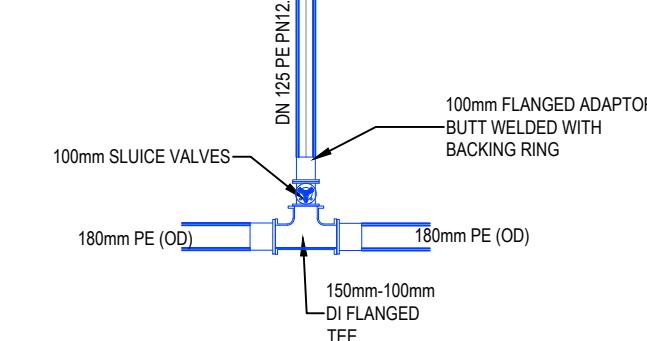
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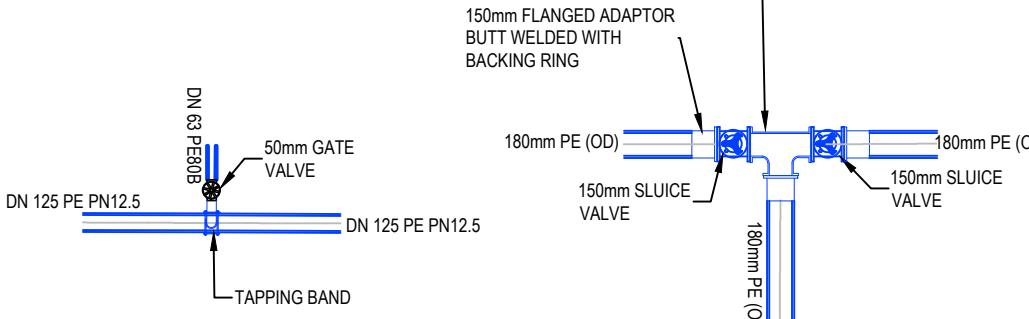
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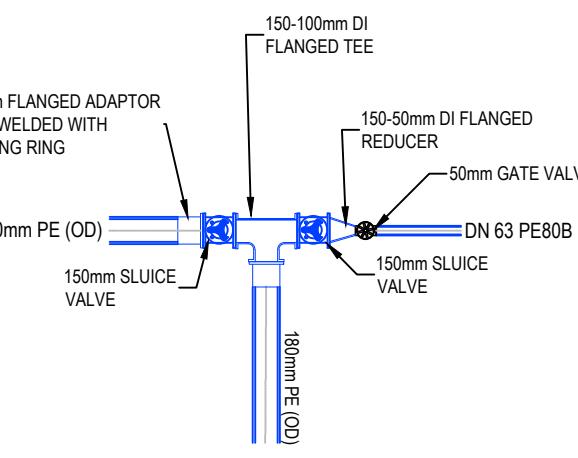
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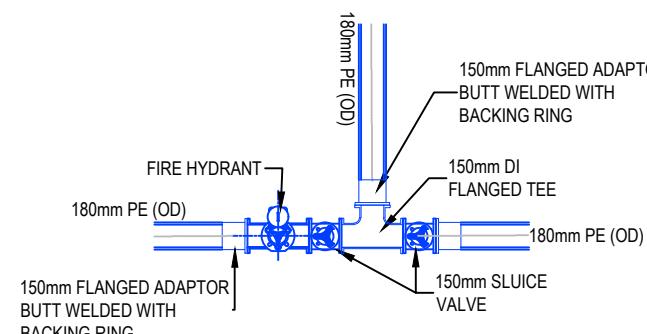
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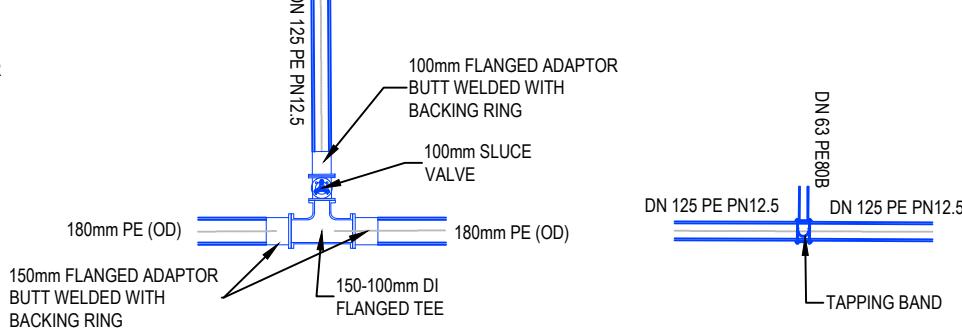
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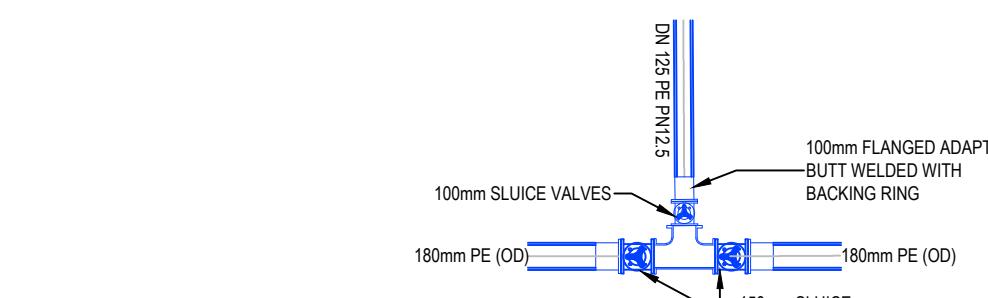
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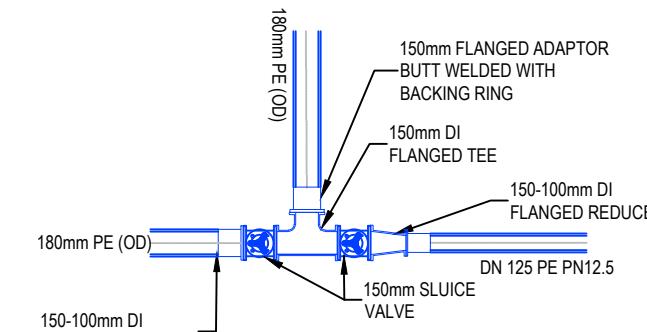
CONNECTION DETAILS - 10



CONNECTION DETAILS - 11



CONNECTION DETAILS - 13



CONNECTION DETAILS - 14

FOR CONSENT

Notes

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- All non-metallic pipes are to have tracer wire fitted to council standards.
- Pipes shall be bedded and surrounded to 150mm above the pipe soffit with sand or ap20.
- Metal detector tape printed with 'water pipe below' shall be laid 150mm above all watermains.
- A yellow isosceles triangle with cats eye pointing to FH shall be painted in the centre of all sealed roads.
- All valves to be marked with sawcut kerb and blue paint.
- All flange joints to be protected with denso tape or similar approved by the engineer.

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Rev Description By Date

Survey MAVEN 10/2024

Design DP 11/2024

Drawn DP 11/2024

Checked SB 11/2024



Project

ASHBOURNE

RETIREMENT VILLAGE

MATAMATA

FOR

UNITY DEVELOPMENT LTD

Title

WATER SUPPLY

CONNECTION

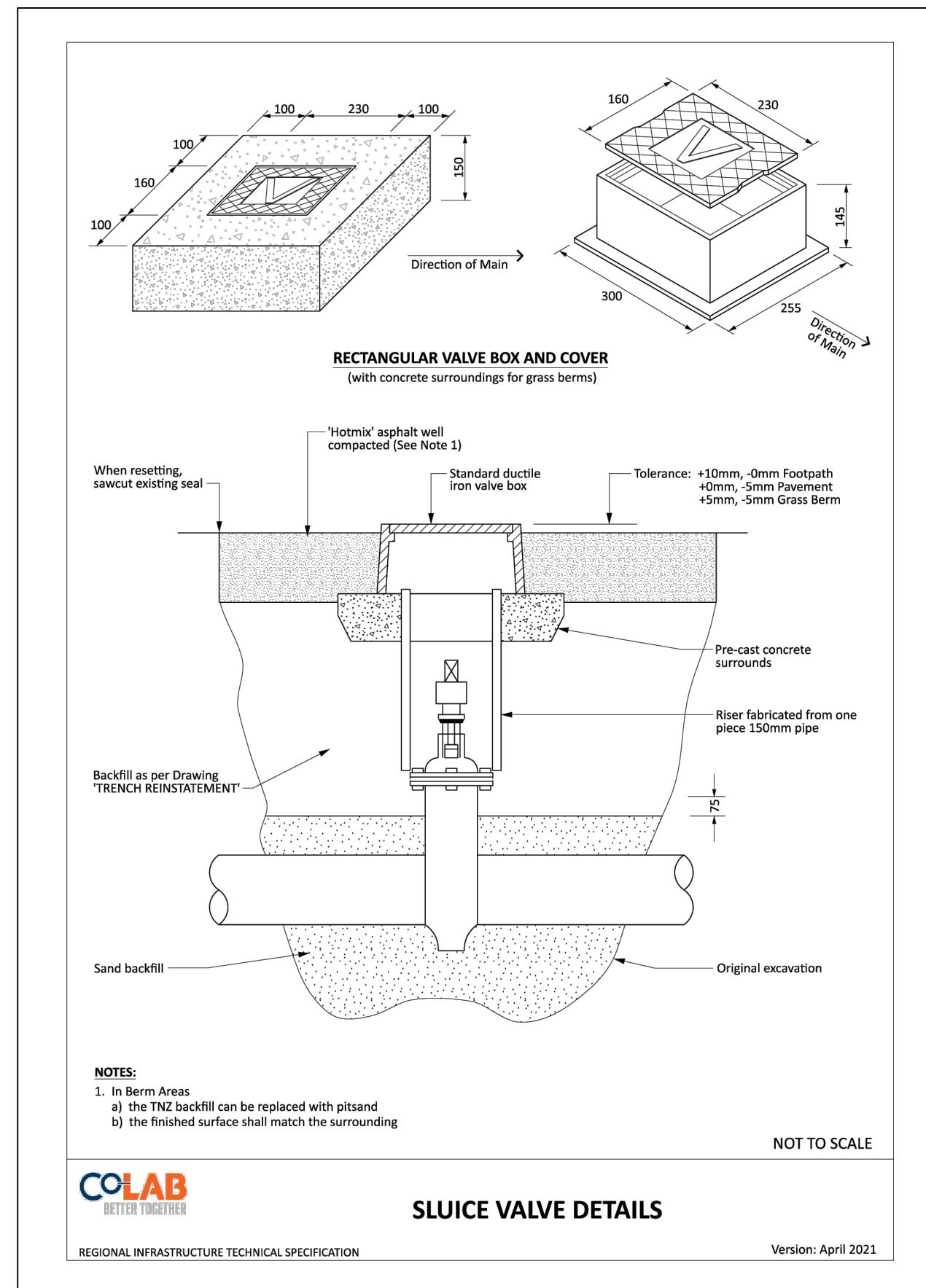
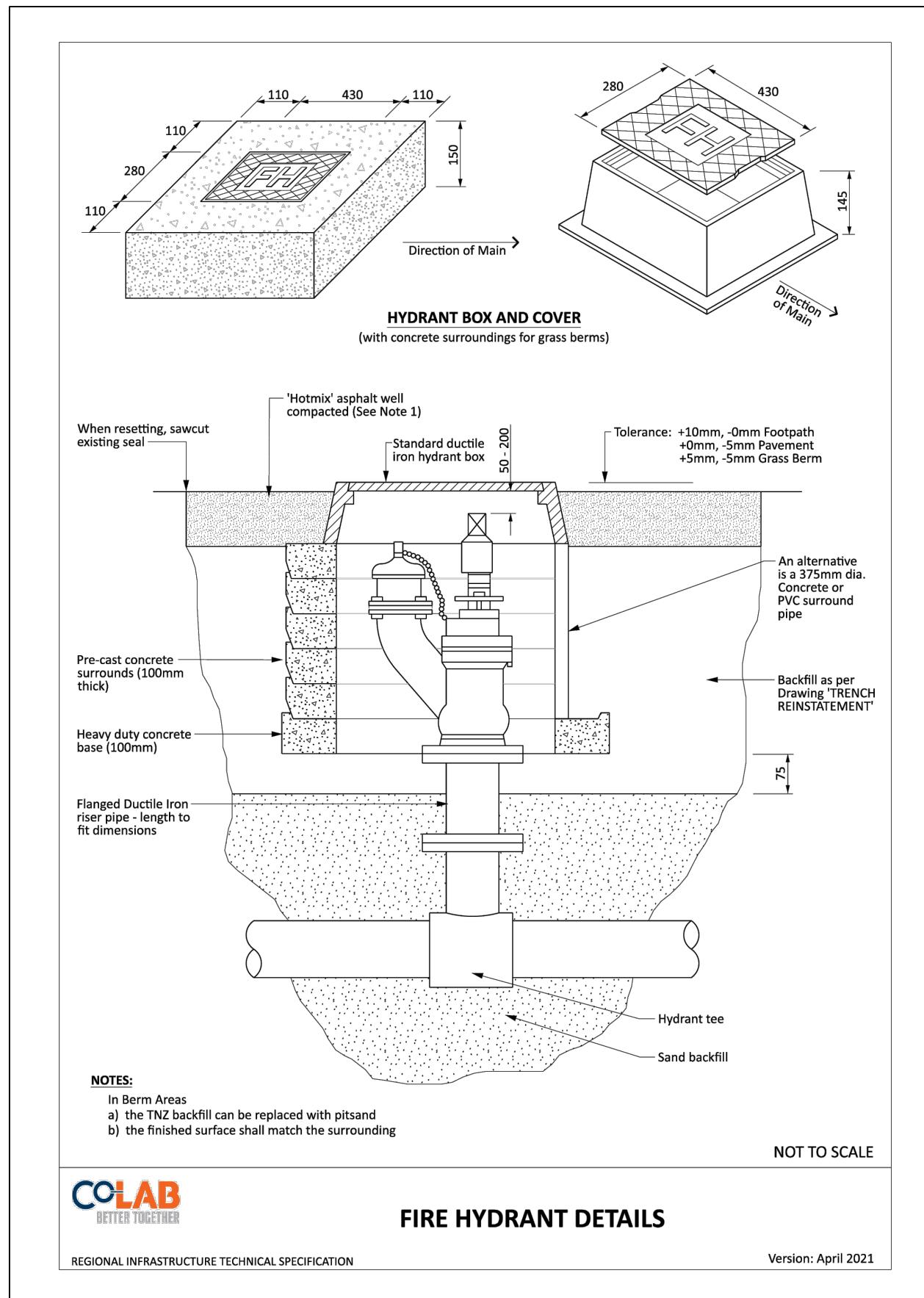
DETAILS

Project no. J00606

Scale 1:50 @A3

Cad file C6500 - WSSDDWG.DWG

Drawing no. C6500 Rev B



Notes

1. All works to be in accordance with RITS standards.
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Drawn	DP	11/2024
Checked	SB	11/2024

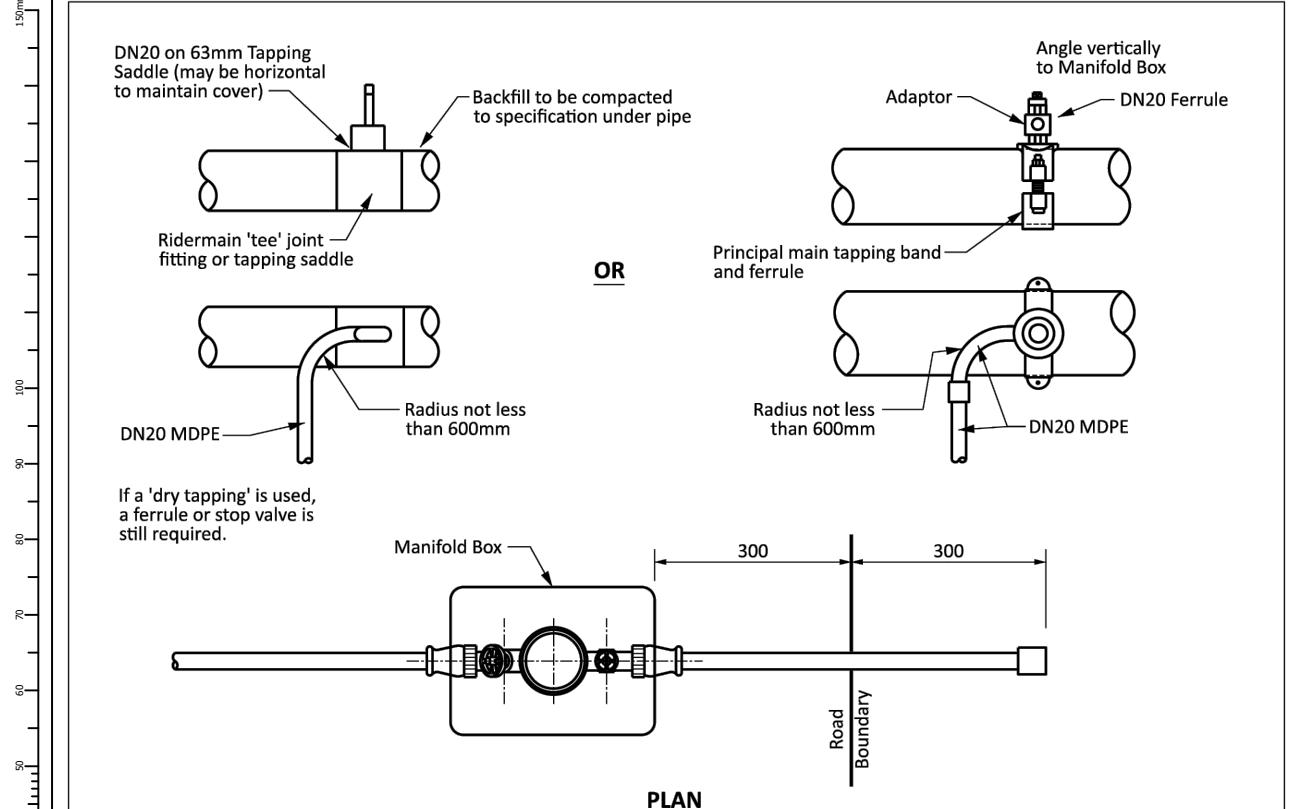


Project  
**ASHBOURNE**  
**RETIREMENT VILLAGE**  
**MATAMATA**  
**FOR**  
**UNITY DEVELOPMENT LTD**

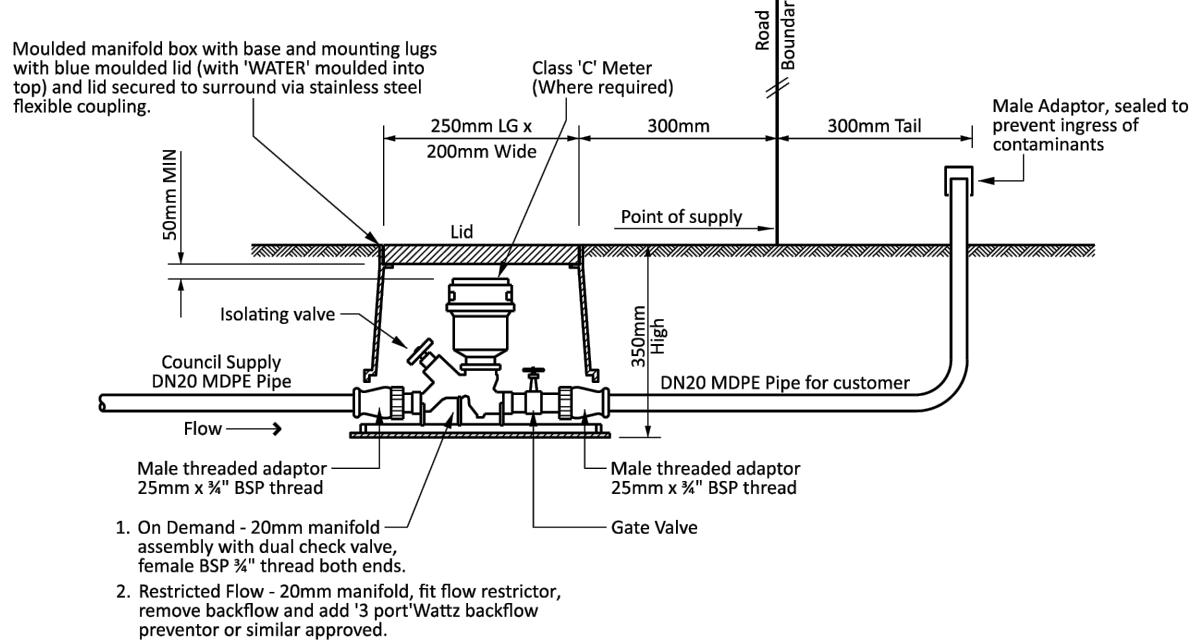
Title  
**WATER SUPPLY**  
**STANDARD DETAILS**

**1 OF 2**

Project no.	J00606
Scale	1:1000@A3
Cad file	C6500 - WSSDDWG.DWG
Drawing no.	C6800
Rev	<b>B</b>



PLAN



## NOTE:

1. When a connection is made to an existing watermain, a gunmetal self-tapping ferrule shall be installed directly on the tapping saddle prior to the installation of other fittings.

NOT TO SCALE



## DN20 METERED AND UNMETERED SERVICE CONNECTIONS - ON DEMAND AND RESTRICTED FLOW SUPPLIES

REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION

Version: October 2024

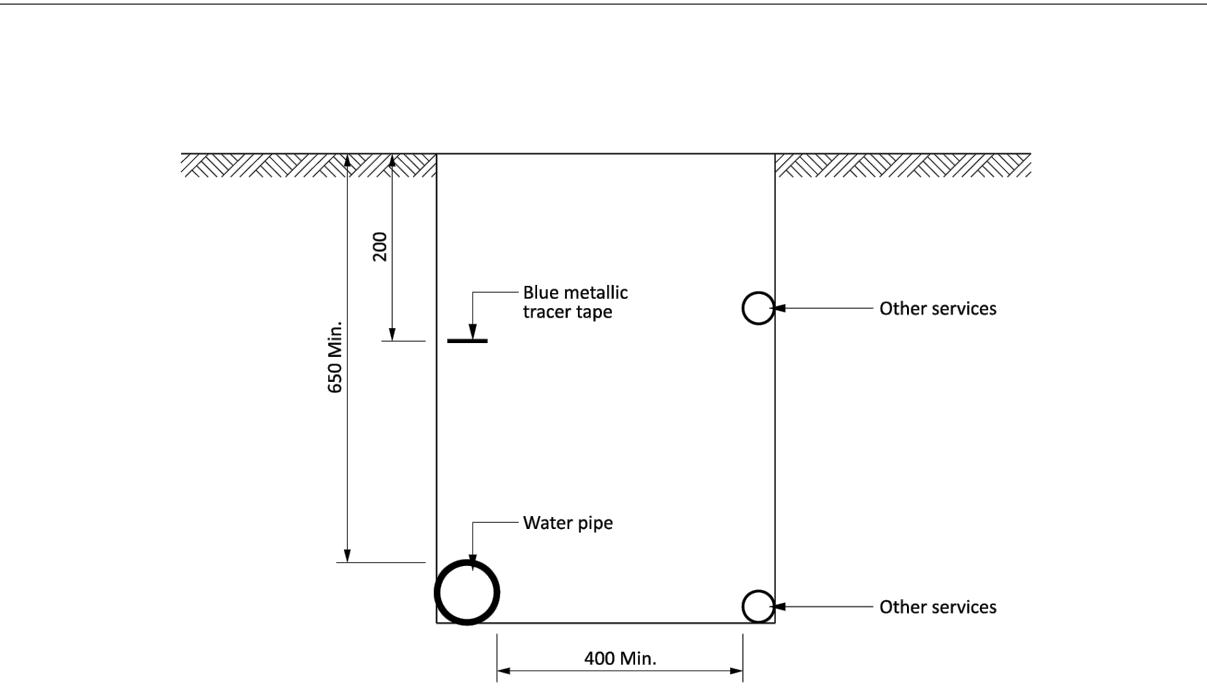
FOR CONSENT



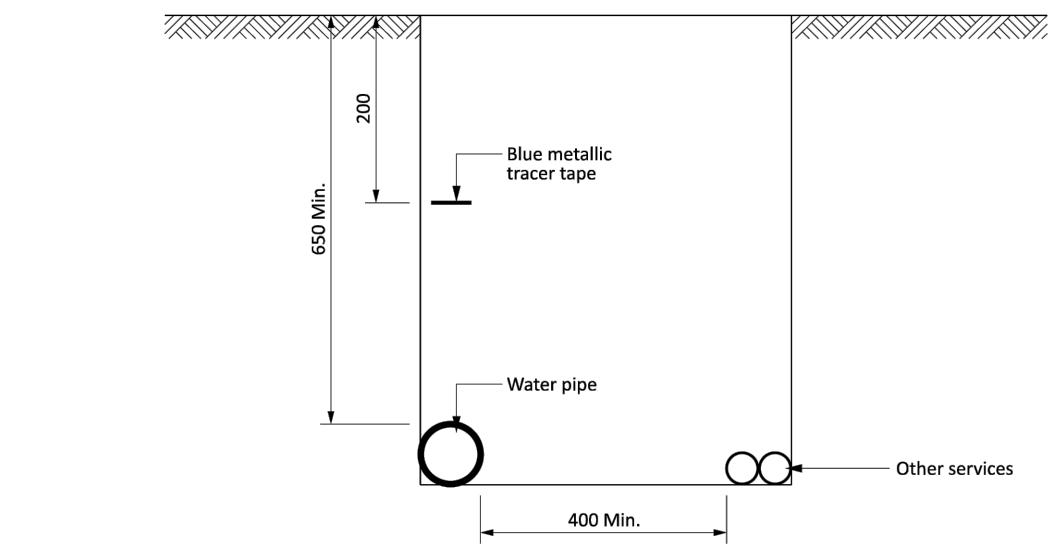
## SHARED TRENCH STANDARD DETAIL FOR RIGHT OF WAY / SHARED ACCESSWAY

REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION

Version: April 2021



OPTION 'A'



OPTION 'B'

Notes			
1.	All works to be in accordance with RITS council standards.		
2.	It is the contractors responsibility to locate any underground services prior to the commencement of works.		
3.	Minimum cover shall be:		
	Roads, footpaths, crossings: 1000mm		
	Berms 600mm		
	Service connections: 550-650mm		
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Survey	MAVEN	10/2024	
Design	DP	11/2024	
Drawn	DP	11/2024	
Checked	SB	11/2024	



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New Zealand

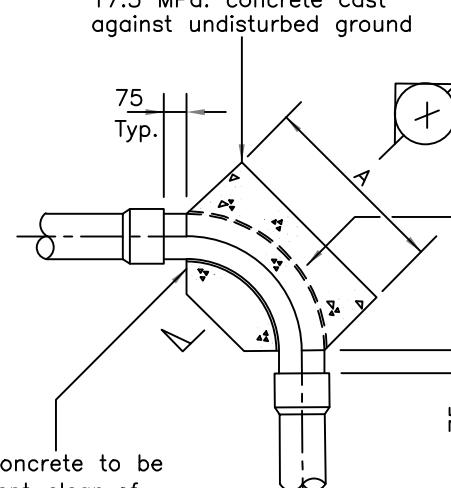
Project  
**ASHBOURNE  
RETIREMENT VILLAGE  
MATAMATA  
FOR  
UNITY DEVELOPMENT LTD**

## Title **WATER SUPPLY STANDARD DETAILS 2 OF 2**

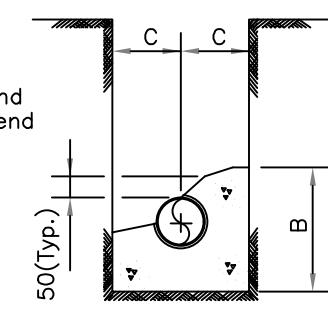
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Drawing no.	C6801
Rev	B

## Notes :

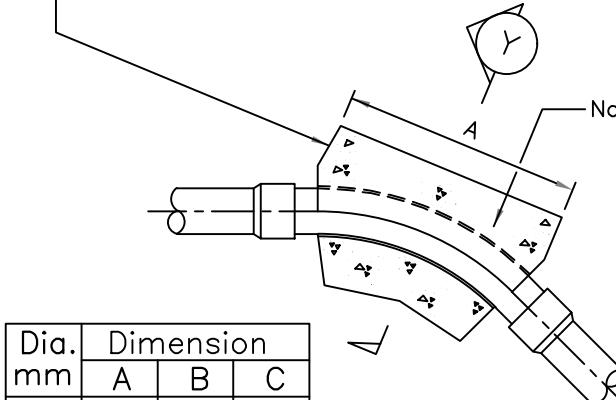
1. Thrust block dimensions for firm soil conditions.
2. The dimensions to be increased or decreased for variation in soil conditions.
3. Allowable bearing stress used - 100KPa.
4. Internal pipe test pressure up to 1400KPa.
5. As built locations to be obtained prior to backfill.
6. Protective membrane ( Polythene ) between concrete & pipe.
7. 75mm clearance between fittings/flanges and concrete casting.
8. All fittings to be Denso wrapped to the product specification. ( Butyl system for Plastic pipes )



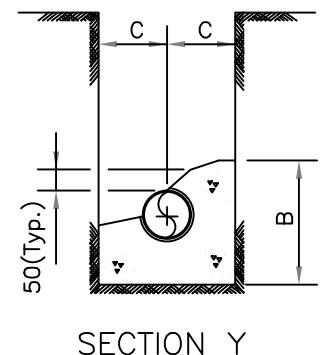
Dia. mm	Dimension		
	A	B	C
100	670	250	450
150	1250	300	450
200	1500	450	550
250	1750	600	600



## ANCHOR BLOCKS FOR 90° BENDS



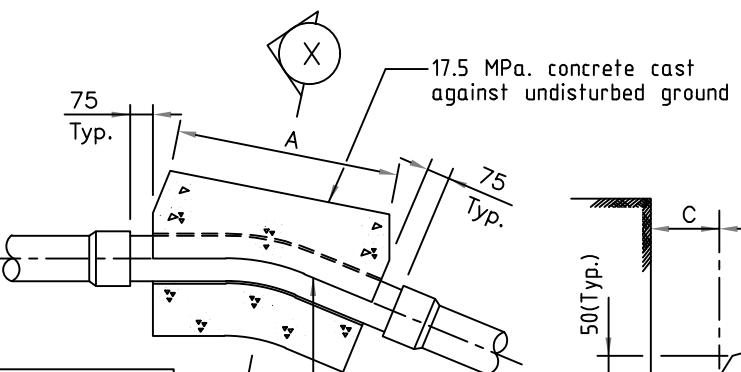
Dia. mm	Dimension		
	A	B	C
100	360	250	300
150	680	300	400
200	800	450	500
250	1000	600	600



## ANCHOR BLOCKS FOR 45° BENDS

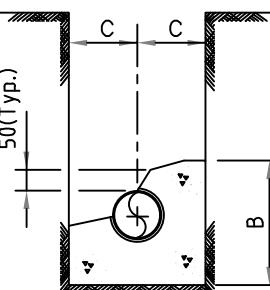
## Notes :

1. Thrust block dimensions for firm soil conditions.
2. The dimensions to be increased or decreased for variation in soil conditions.
3. Allowable bearing stress used - 100KPa.
4. Internal pipe test pressure up to 1400KPa.
5. As built locations to be obtained prior to backfill.
6. Protective membrane ( Polythene ) between concrete & pipe.
7. 75mm clearance between fittings/flanges and concrete casting.
8. All fittings to be Denso wrapped to the product specification. ( Butyl system for Plastic pipes )



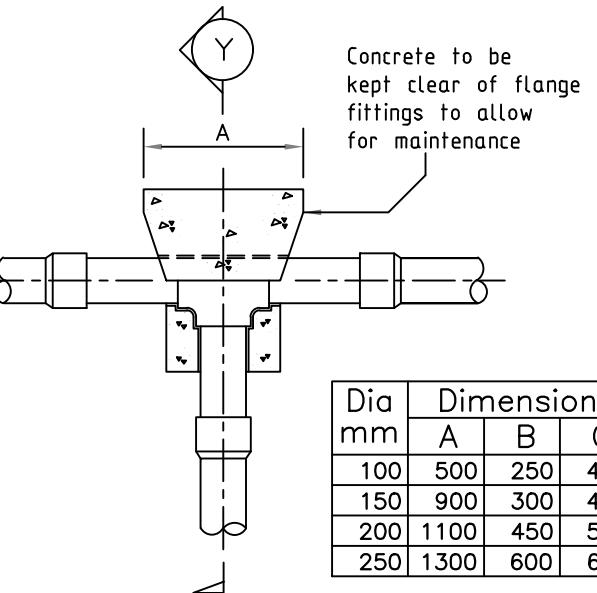
Dia mm	Dimension		
	A	B	C
100	300	250	300
150	400	300	400
200	500	450	500
250	600	600	600

Anchor block to be carried around full length of bend

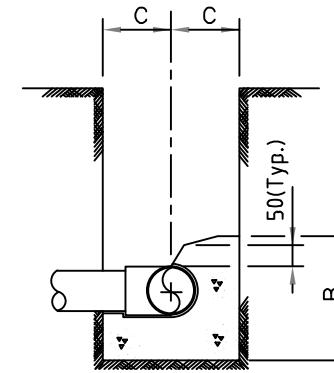


## SECTION X

## ANCHOR BLOCKS FOR 22 1/2° &amp; 11 1/4° BENDS



Dia mm	Dimension		
	A	B	C
100	500	250	450
150	900	300	450
200	1100	450	550
250	1300	600	600



## SECTION Y

## ANCHOR BLOCKS TEE JUNCTION &amp; END CAPS

Notes

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A FOR REVIEW DP 01/25

Rev Description By Date

Survey MAVEN 10/2024

Design DP 11/2024

Drawn DP 11/2024

Checked SB 11/2024



Project  
**ASHBOURNE**  
**RETIREMENT VILLAGE**  
**MATAMATA**  
**FOR**  
**UNITY DEVELOPMENT LTD**

Title  
**WATER SUPPLY**  
**ANCHOR BLOCK**  
**DETAILS**

Project no. J00606

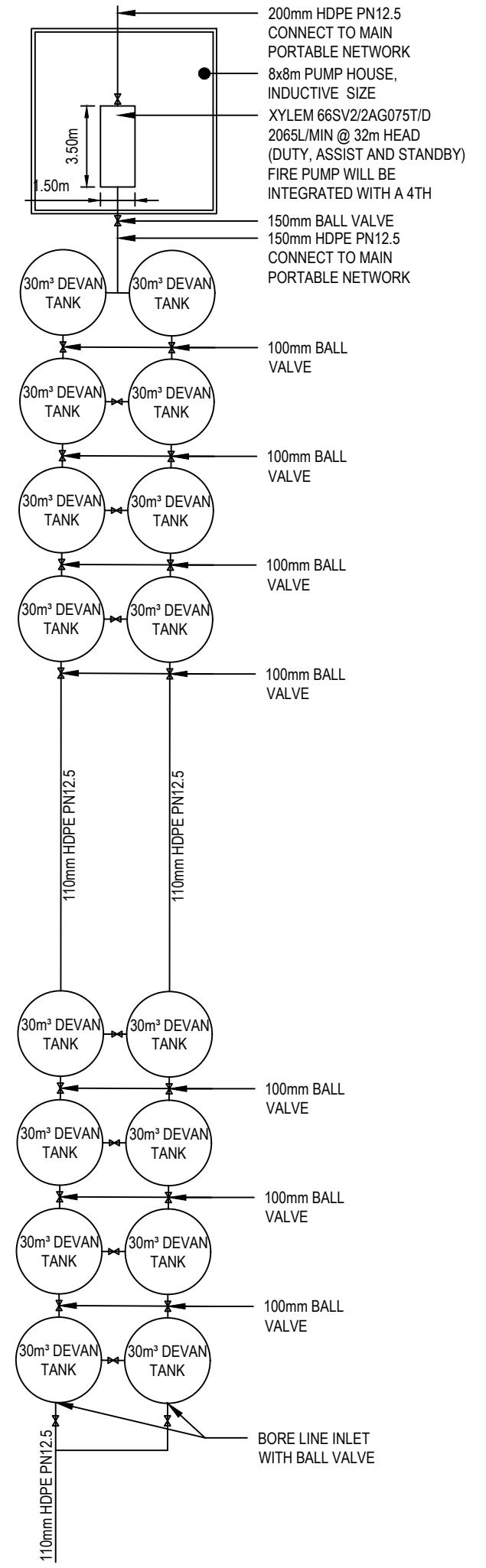
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Cad file C6500 - WSSDDWG.DWG

Drawing no. C6802 Rev B

FOR CONSENT

## FOR CONSENT



Notes

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**ASHBOURNE**  
**RETIREMENT VILLAGE**  
**MATAMATA**  
**FOR**  
**UNITY DEVELOPMENT LTD**

Title  
**WATER SUPPLY  
PUMP HOUSE  
DETAILS**

Project no.	J00606		
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Cad file	C6800 - WSSD.DWG		
Drawing no.	C6803	Rev	<b>B</b>