

## Schedule 8: Drawing Schedule

Drawing No.	Sheet No.	Title
1801844-S-01	01	Locality Plan, Schedules & Notes
1801844-S-02	02	Detail Plan
1801844-S-03	03	Long Section (Sheet 1 of 1)
1801844-S-04	04	Construction Details



THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS

WARNING

BEWARE OF UNDERGROUND SERVICES GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. **General Notes:** 

Only contractors accredited by Central Highlands Water shall be eligible 1 to construct these works. 2.

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- Only products approved and catalogued by the Water Agency shall be used.
- 3. Works must be constructed according to the MRWA edition of the WSA Sewerage code of Australia WSA 02-2014-3.1
- The design consultant is responsible for the design and coordination of 4 the works. Any problem arising during construction shall be directed to the consultant.

## Survey, Set Out and Asset Recording

- All contours and levels are in metres to the Australian height datum 5. (A.H.D.)
- All coordinates are in metres to the Map Grid of Australia (MGA 54-94) or 6. to the Local Coordinate System
- Chainages shown on detail plans are discontinuous at maintenance 7 structures. Chainages shown on long section sheets are continuous.
- Coordinates are to sewer line intersection point unless otherwise shown. Before commencement of work, the contractor must complete a level 9
- check between all TBM's to verify level values.
- 10. TBM's and control points are to be maintained and protected at all times during construction.
- Should any marks be disturbed, the contractor will immediately notify the consultant to arrange re-instatement at the contractors expense.
- 11. The Contractor is to engage a suitably qualified & experienced Surveyor to undertake asset recording of the work. All surveyor works and data recording shall be undertaken in accordance with the MRWA survey manual.

### **Property Connections**

- 12. Number of lots to be sewered: 22 lots
- 13. All property connections to be DN100 unless otherwise indicated.
- 14. Properties requiring boundary traps are indicated in the detailed plans. The remainder do not require boundary traps.
- 15. Branch tie distance shown on detail plan are from approved subdivision survey pegs. Branch ties for future lots are shown as a chainage. (Ch) Distance is from the downstream sewer structure.
- 16. Invert level of the property connection point is shown opposite the branch position
- 17. Where a Spur Branch connects to a shaft, both property connections are considered to be shaft connections

## Earthworks:

18. In areas subject to earthworks, construction of sewers shall not commence until earthworks has been completed unless written approval has been given by the Water Authority.

## Embedment

19. Embedment shall be Type A (refer MRWA-S-202) unless otherwise specified on the long section. If the contractor observes the presence of ground water, the superintendent shall be consulted regarding the embedment system selection.

## Backfill

- 20. Selection and compaction of trench backfill material shall be in accordance with the Water Agency adopted version of MRWA specification no 04-03.2.
- 21. Refer to Long Section drawings for backfill requirements.

# **Compaction Testing**

- 22. Test results shall be provided to the superintendent prior to practical completion / acceptance of works.
- 23. The contractor is required to undertake all testing of fill compaction in accordance with the Water Agency adopted version of the MRWA Backfill Specification 04-03.2.

# Work on Live Sewers

- 24. All works on live sewers must be carried out by a water company accredited contractor.
- 25. All existing sewers must be plugged to stop gas emissions prior to any connections being made to these sewers.
- 26. To enable connections to live assets or any work on live assets, the

contractor shall submit the appropriate forms to the superintendent at least 3 working days prior to any works on live sewers.

27. The contractor is not permitted to break into an existing live pipeline, enter a live sewer or remove the cover to a live maintenance structure unless authorised by the Water Agency.

## Safety

28. Prior to commencement of works on site, the contractor must ensure that all matters relating to the Occupational Health and Safety Act 2004 and Occupational Health and Safety regulations 2007, have been and will be complied with.

## Testing:

29. The contractor is to give a minimum of two (2) days notice to the superintendent and Water Agency prior to the testing being undertaken Testing is to be undertaken in the presence of the superintendent.

### **Environmental Management Plan:**

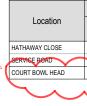
- 30. On commencement of construction works the contractor must comply with the recommendations of the EPA publication "Construction Techniques for Sediment Pollution Control" (Publication No. 275 1991).
- 31. Prior to the commencement of work, the contractor is to submit a site environmental management plan to Melbourne Water.
- 32. All trees and vegetation are to be protected unless otherwise indicated for removal
- The extent of any vegetation removal shall be confirmed on site with the superintendent and local council prior to commencement, and in accordance with any planning permits. Any removal shall be documented.
- 33. All areas containing creek vegetation, trees and revegetated areas near the construction zone are to be fenced off during the works with secure and highly visible material such as para-webbing fencing.
- 34. Ensure all machinery, equipment and/or footwear entering the site is weed and pathogen free.



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## Schedule 2: Property Connect Type

Quantities



Maintenance Structure ID	DIAMETER Ø (mm)	Type - (IS/MS/MC)	Cover Class		Easting	Northing	Depth to Invert (mm)	Shaft Connections	Comments/ References (Offsets/Details)
5MS	300	MS	В	ſ	745889.2984	5838683.5978	2480	-	MRWA-S-305
6MS	300	MS	В	5	745893.6659	5838708.2140	2660	-	MRWA-S-305
7MS	300	MS	В	ξ	745896.2736	5838722.8824	2820	-	MRWA-S-305
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Schedule 5: M	hedule 5: Maintenance Holes												
Maintenance Hole ID	Easting	Northing	MH Shaft Type (GRP/PP (Plastic) / Concrete)	MH Top Type (Conical/Flat)			Min. Wall Thickness (mm)	Depth to Invert (mm)		Step Irons	Corrosion Protection (Coating / PE or PVC Lining)		Comments (Offsets / Details)
1MH	745913.5679	5838728.7856	Concrete	Conical	в	1050	150	3070	-	s	None	-	
2MH	745912.7209	5838749.5892	Concrete	Conical	D	1050	150	2240	-	s	None	-	
4MH	745898.0104	5838641.1264	Concrete	Conical	В	1050	150	2430	-	s	None	-	

				-	-													
										DESIGNEI	D P.HUN		PROJECT	1801844-02		idge Williams		CENITRA
_ [	В	SEWER CROSSINGS LOCATIONS	AMENDED	14.07.21	R.C.					DESIGNE		2.10.20	NUMBER	1001044-02		luge williams		
<sup>n</sup> $[$	А	ISSUED FOR CONSTRUCTION		29.06.21	R.C.					DRAWN			MELWAY		Suite 3/180 Ele	anor Dr		MA
	P1	MAINTENANCE STRUCTURE TAB	BLE UPDATED	09.02.21	M.J.					DRAWIN	DRAWN P.HUNJAN DATE: 22.10.20	I REFERENCE I	REFERENCE	-	Lucas VIC 3350 ph: 03 5327 20		CENTRAL	SEWER RET
	P0	ISSUED FOR INFORMATION		28.10.20	R.S.					СНЕСКЕС		DERS AU	JTHORISED	R.SANDERS		williams.com.au	HIGHLANDS	NOTE
	REV	DESCRIPT	ION	DATE	APPROVED	REV	DESCRIPTION	DATE	APPROVE	D		2.10.20 AU			BEVERIDGE WILLIAMS REFERENCE: 1801844	02-600-SLOC	WATER	
-		1	2			3		4		5			6		7	8	9	

	10		11		12
ew Pip	e				
	Pipe Type	Length (m)	Pipe Class	Standard	
	UPVC-DWV	Property Branches	SN10	WSA PS 230	

WSA PS 230

UPVC-DWV

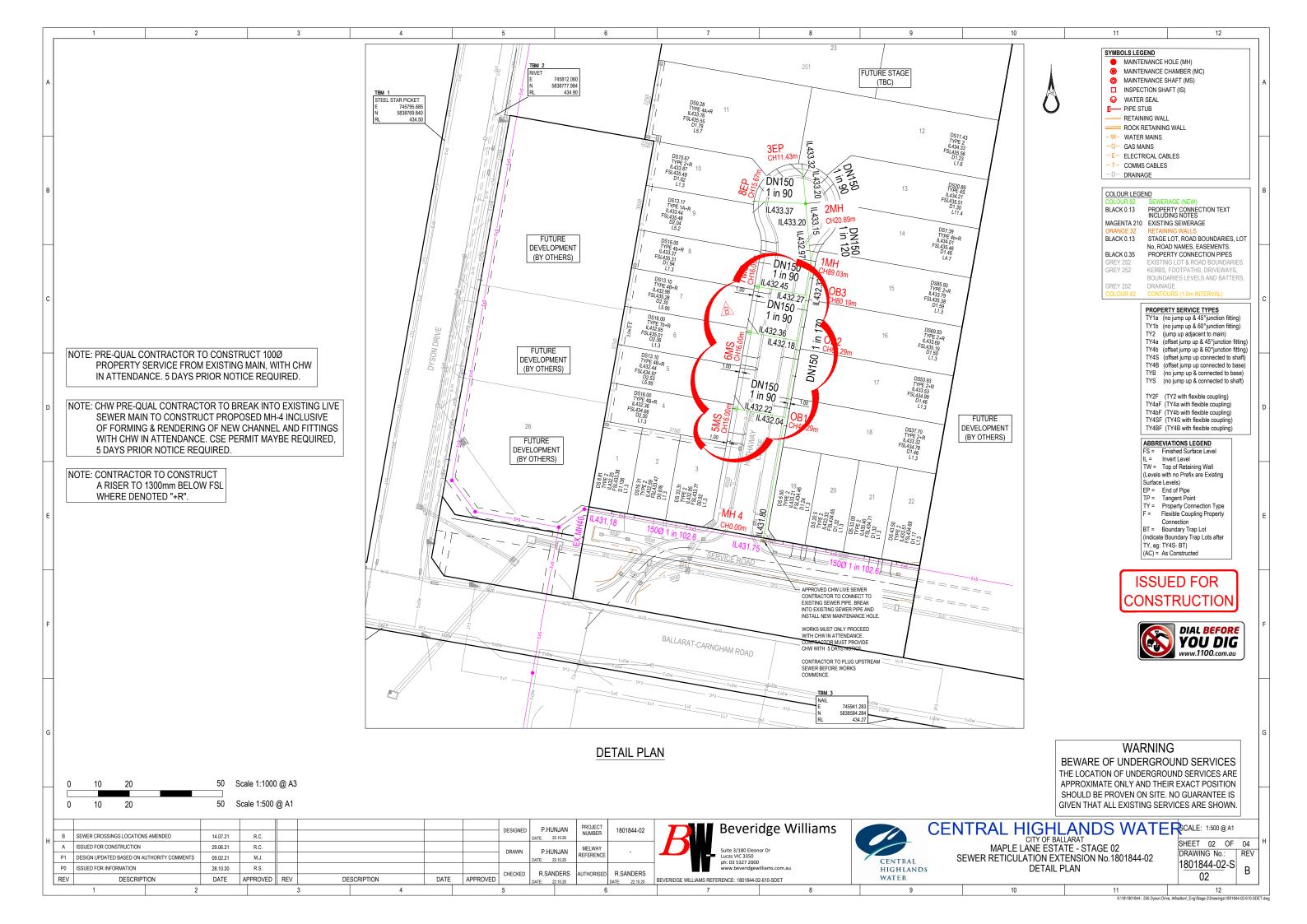
Type 1a	Type 1b			Type 4b					Jump Up Flexible Couplings, ie: "F"
1	1	13	1	2	0	1	0	3	0

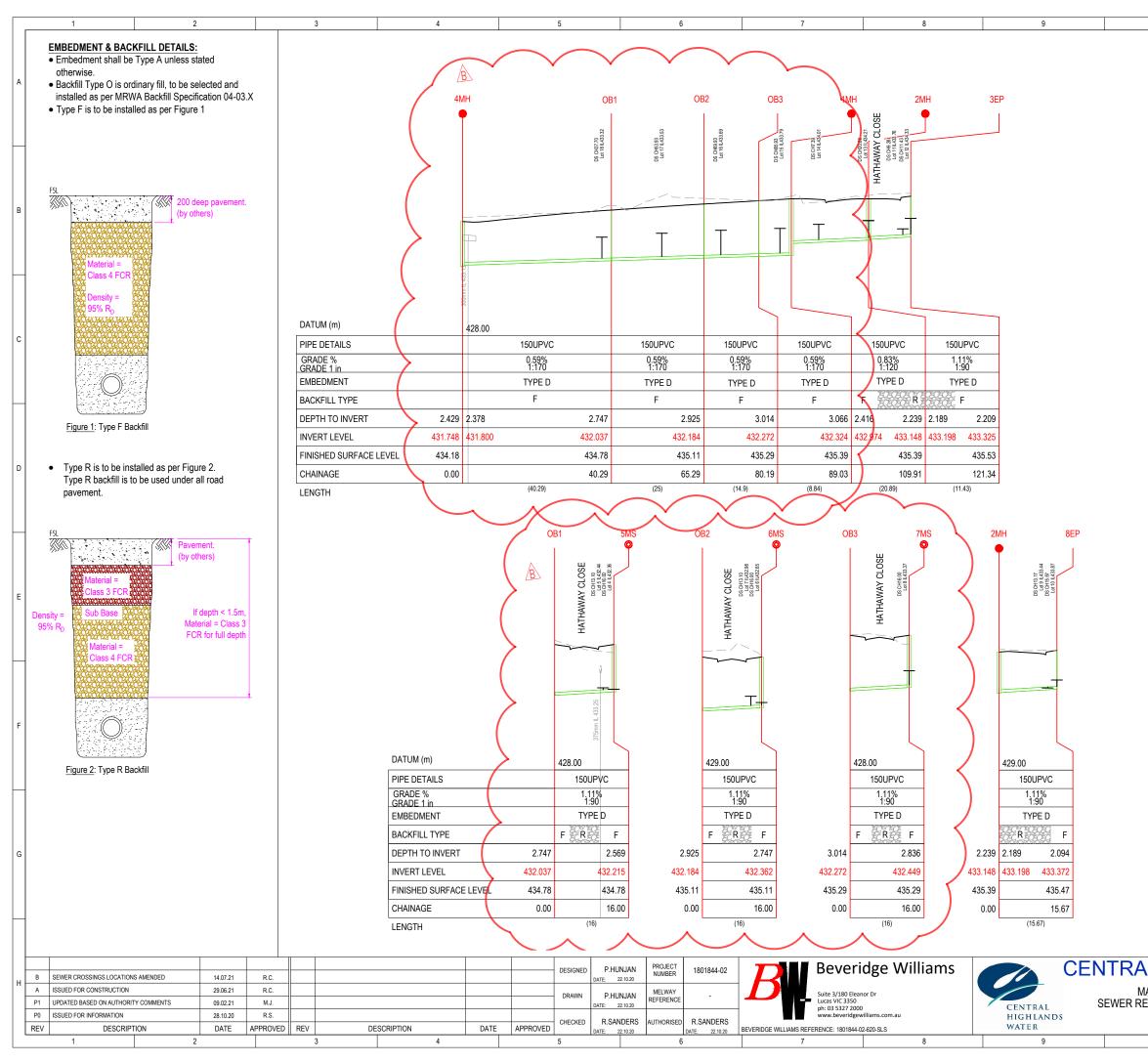
## Schedule 3: Service Offsets & Locations:

Gas		Water		Elec	tricity	Telecomn	nunication	Sewer		
Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	
E	2.10	E	2.80	W	2.90	W	2.20	E	1.00	
	11.12	\$	12.10	N	2.80		2.10	N-EX	1.00	
	2.10		2.55		3.15		2.95		-	
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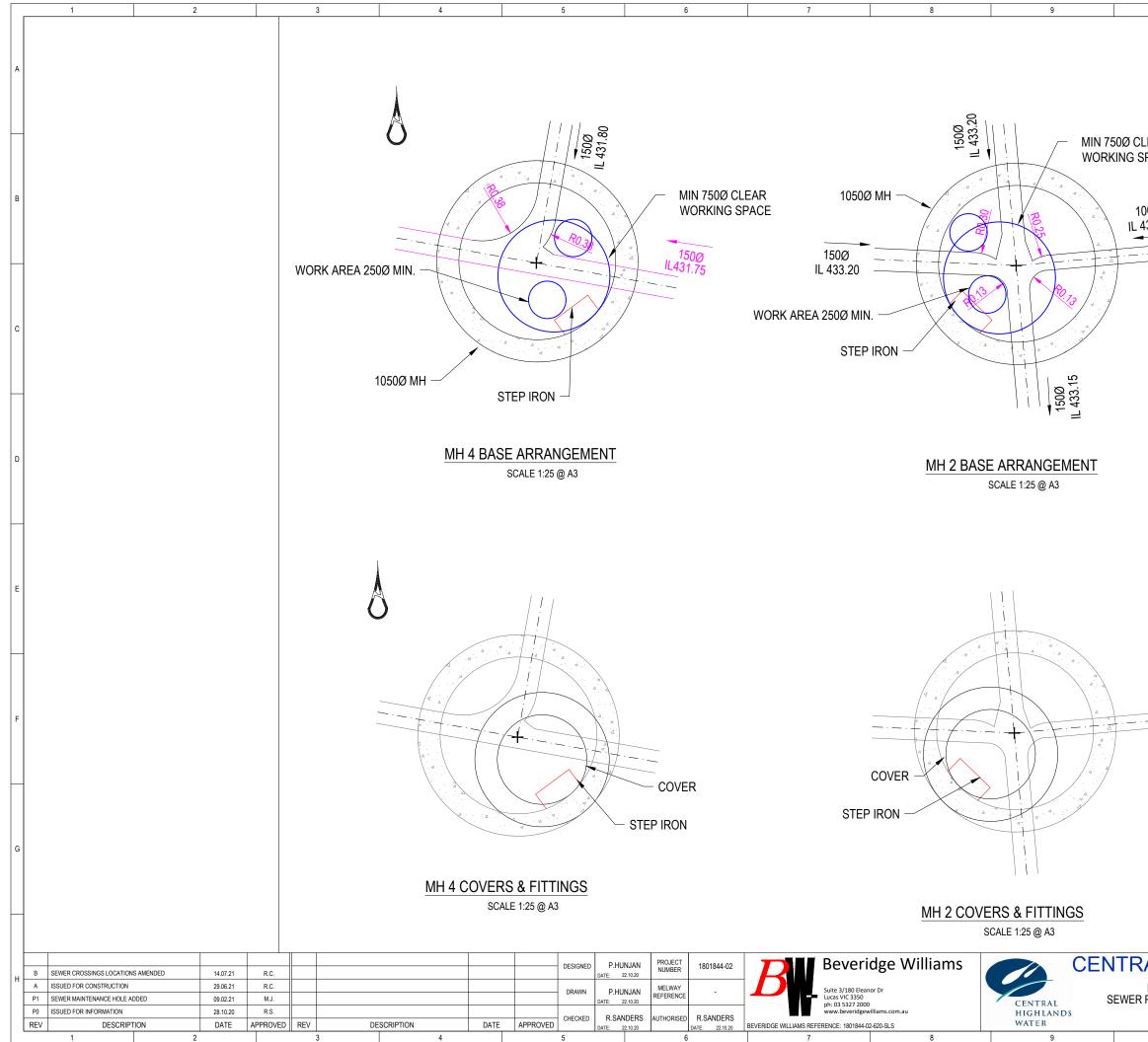
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DTES, SCHEDULES & LOCALITY PLAN
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