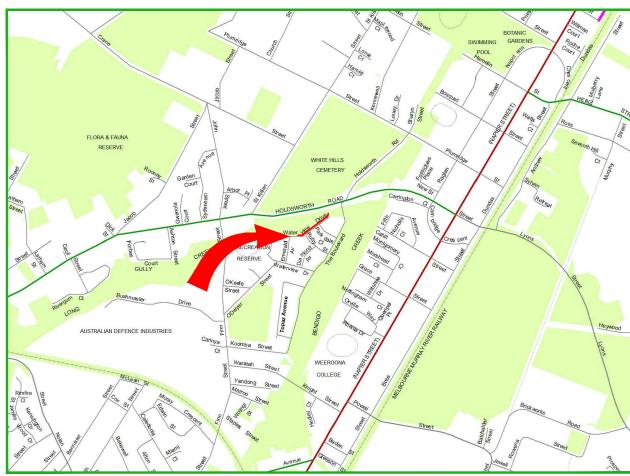
## WATERVIEW DRIVE, WHITE HILLS

**GB4949 DRAINAGE JULY 2022** 



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	DOCUMENT CONTROL									
SHEET No.	SHEET DESC.	26/07/22	xx/xx/22	xx/xx/22						
		DRAFT	TENDER	CONSTRUCTION						
		REVISION	REVISION	REVISION						
1	COVER SHEET	Α								
2	GENERAL NOTES AND CONTROL	Α								
3	DETAIL PLAN	Α								
4	DETAIL PLAN	Α								
5	LONGITUDINAL SECTION	A								
6	LONGITUDINAL SECTION	A								
7	LONGITUDINAL SECTION	A								
8	CREEK OUTLET DETAIL	A								







**PROJECT EXTENTS** 

PROJECT PLANNING REQUIREMENTS			AMENDMENTS				CITY OF GREATER BENDIGO				
Item	Required	Comments	Contractor	Revision	Description	Approved by	Date		GILATEN BENDIGO		
Vegetation	No	-		-	-	-	-		\A/ATED\/IE\A/ DDI\/E		
RRV	No	-						$\triangle$	WATERVIEW DRIVE		
CMA	No	-							WHITE HILLS		
Planning Permit	No	-									
Land Acquisition	No	-							DRAINAGE		
CHMP	No	-							OOVED OUEET		
Other	No	-							COVER SHEET		



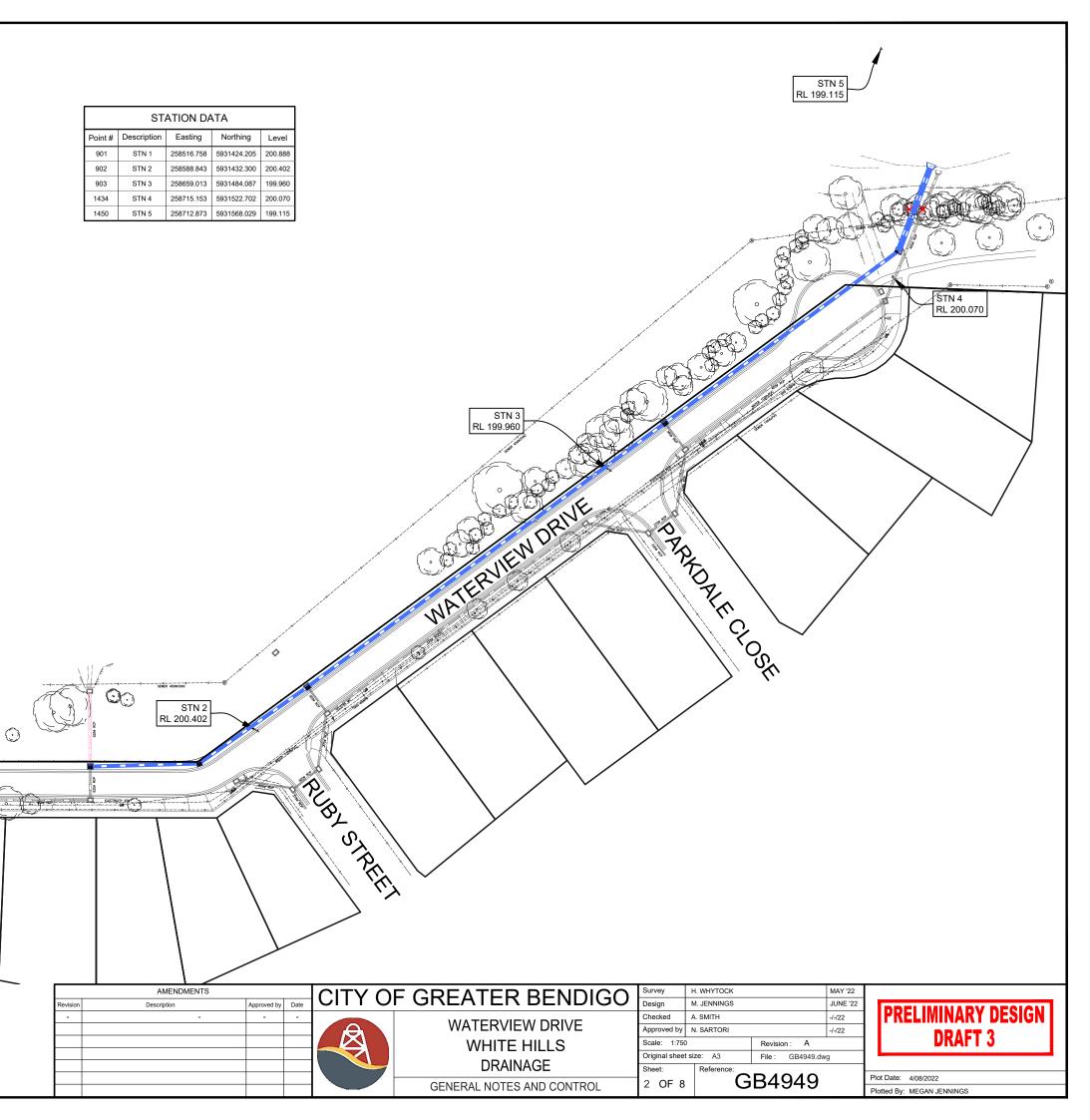
Survey	H. WHYTOCK			MAY '22					
Design	M. JENNINGS	ENNINGS JUNI							
Checked	A. SMITH	. SMITH							
Approved by	N. SARTORI	I. SARTORI							
Scale: -		Revisio							
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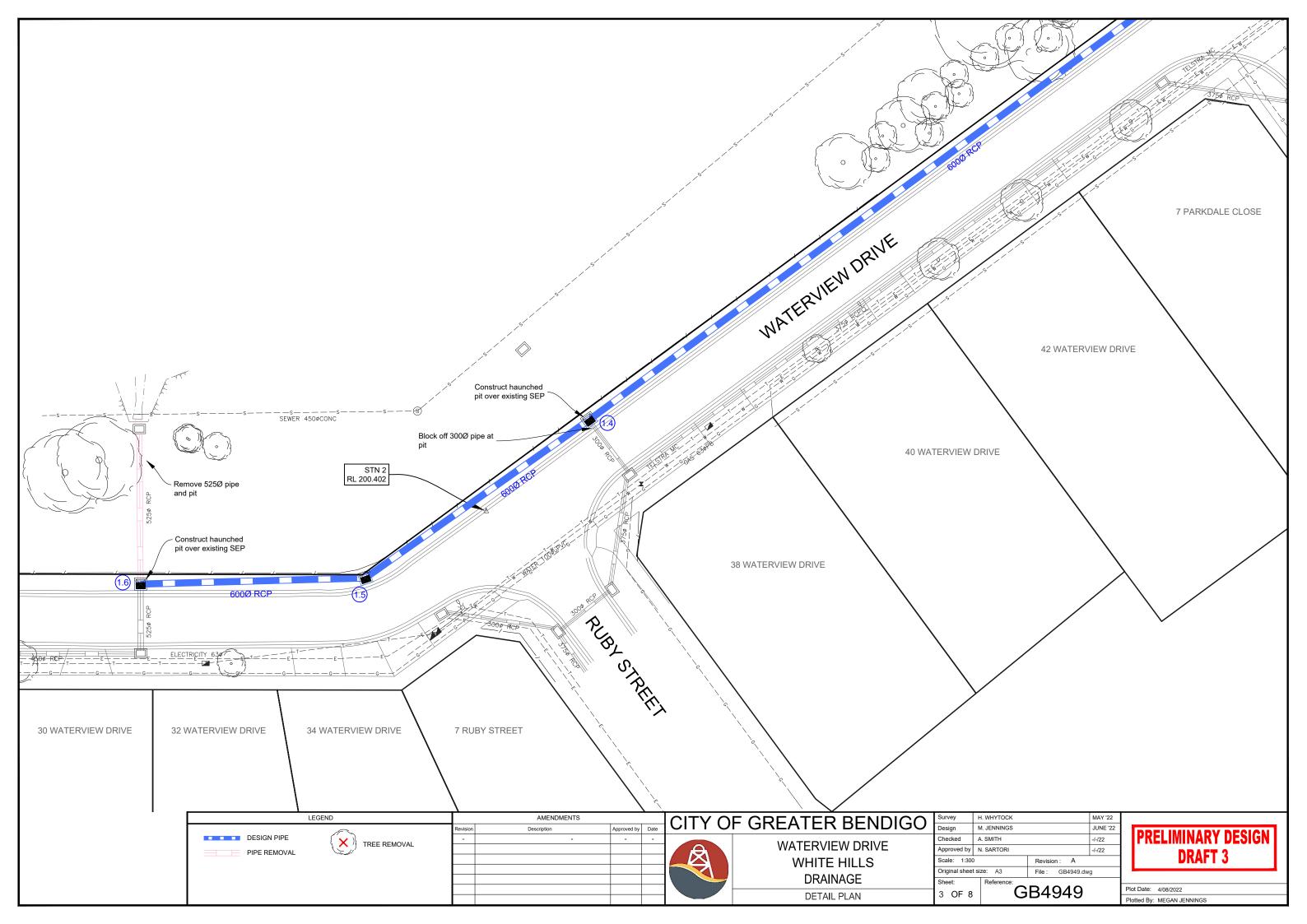
PRELIMINARY DESIGN **DRAFT 3** Plot Date: 4/08/2022

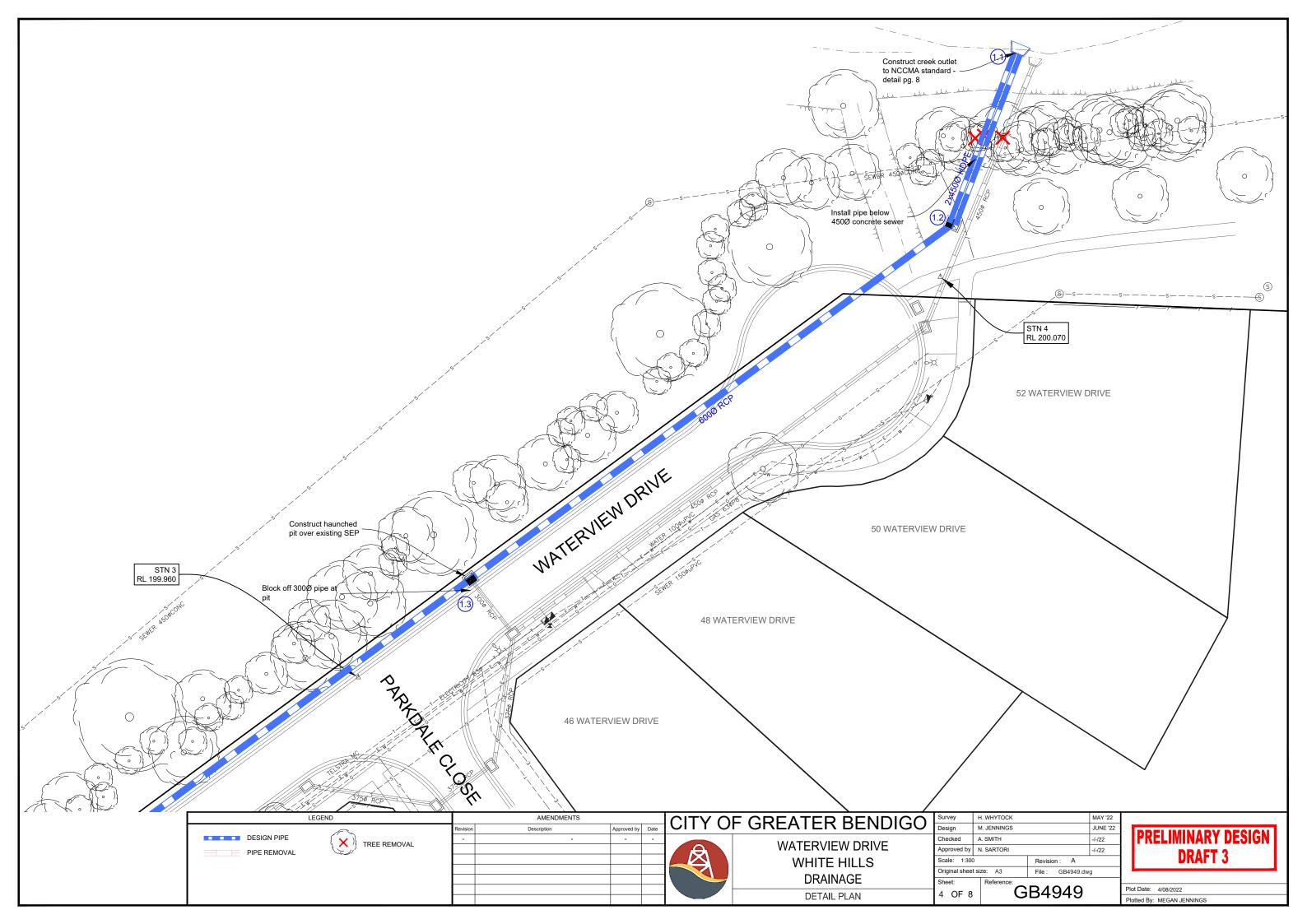
## DRAINAGE CONSTRUCTION NOTES

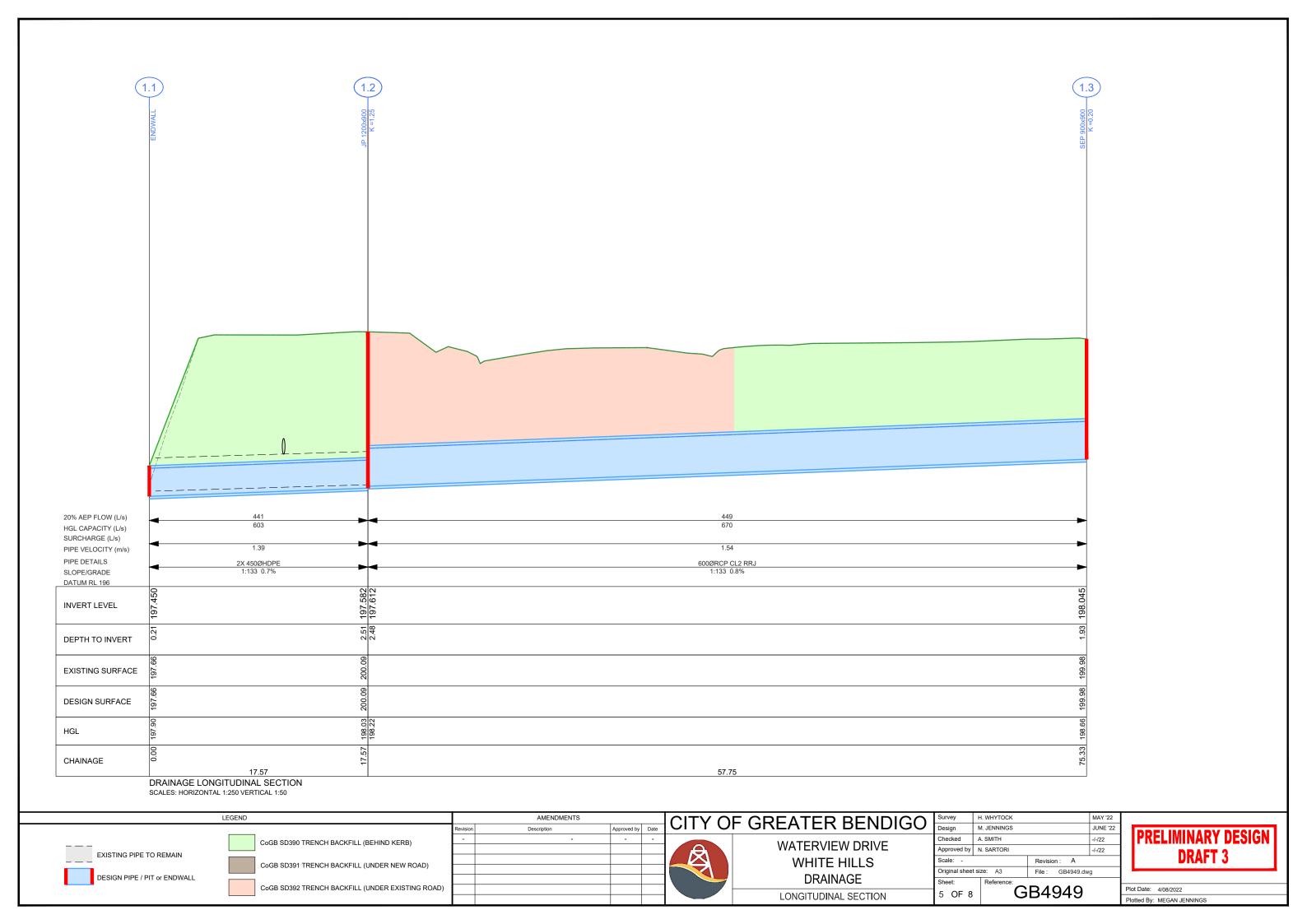
- The Superintendent's Representative and Design Engineer must be notified if any any modifications to drainage design are required due to unforseen circumstances identified during works onsite.
- Any property storm water pipes located during Works are to be plumbed to the nearest pit. Where this is not practical, seek approval from the Superintendent's Representative to connect stormwater into kerb or into the nearest storm water pipe.
- 3. All drainage pits are to be constructed as per the noted Standard Drawing.
- 4. Invert fall through pits is to be a min. of 30mm unless noted otherwise.
- 5. Concrete pit walls are to be sponge finished and floors are to be shaped for best hydraulic efficiency unless noted otherwise.
- Pit lids are to be installed flush with the surrounding surface unless noted otherwise
- Where concrete box culverts (CBC) or Crown Units are specified, they are to be compliant to AS1597.
- Pipe extensions are to be constructed by removing the remaining stub of the existing pipe to be extended, and then connecting the new pipe at the socket.
- 9. All pipe backfill is to be constructed as per the noted Standard Drawing.
- 10. The location of any saw cuts in asphalt are to be kept the minimum required trench width until after the pipe is laid and backfilled up to 300mm from surface. At this point, a further 150mm wide, 300mm deep section of asphalt/pavement is to be sawcut and excavated so as to provide a longitudinal pavement join over the drainage trench. This also should ensure a straight edge for re-asphalting. The top 300m depth of backfill should then be constructed accordingly.
- 11. At the completion of the Works, pipes are to be visually inspected via inspection pits to check for construction debris, including crushed rock, soil and concrete over spill. Should a volume of debris be present enough to impede flows, pipe cleaning shall be undertaken at the contractors expense.
- 12. Gas and water property services are generally not located during the design phase and therefore have not been shown on plans. It is therefore the Contractors responsibility to consider these services when excavating and adjust or realign accordingingly whilst causing minimal disruption to property owners.
- 13. Gas and Water property services encountered during construction are to be altered and reconnected to the appropriate standard and to the satisfaction of the Superintendents Representative.

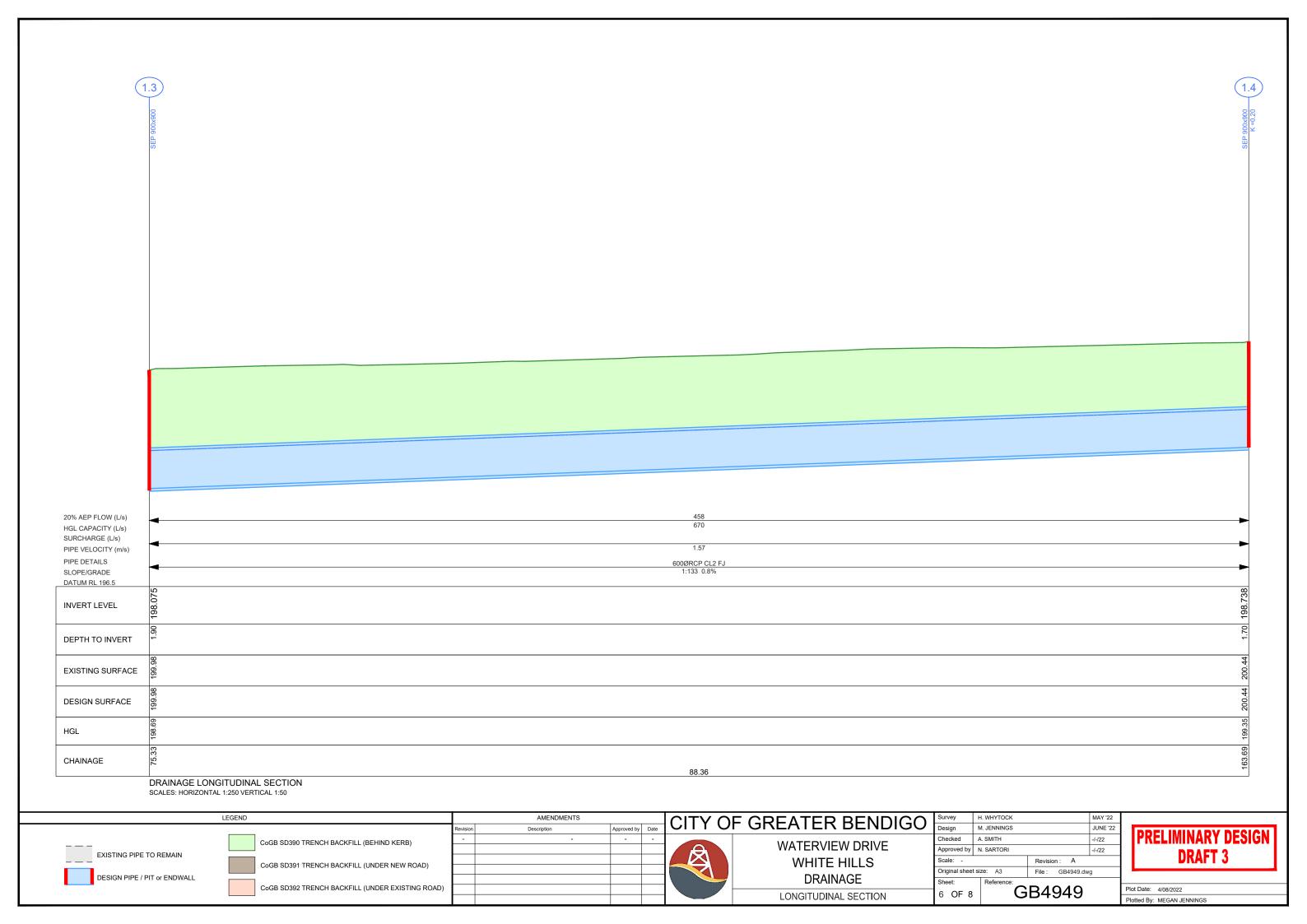
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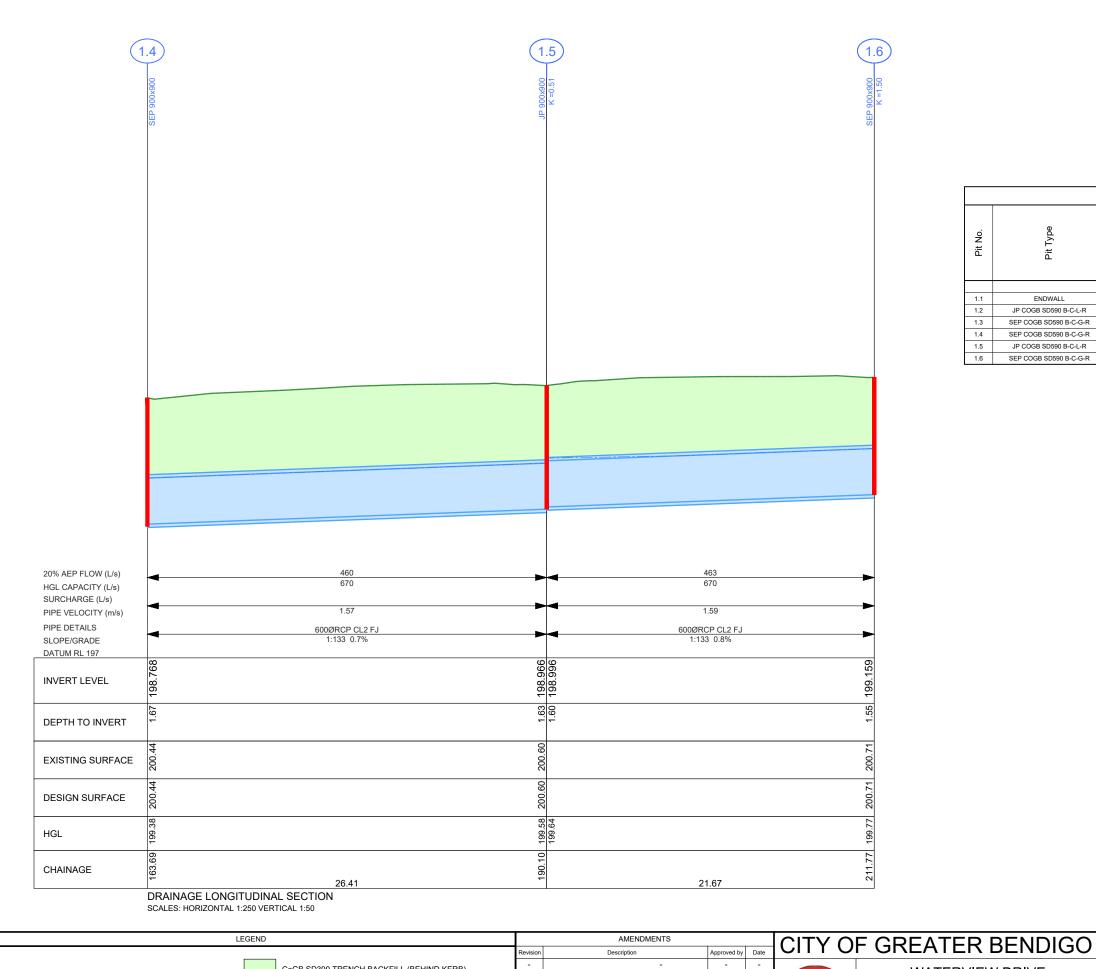












	Pit Schedule									
Pit No.	Pit Type	Pit Type Pit Width Pit Length Outlet Diameter Outlet Invert RL Inlet Diameter Fit Depth		Pit Depth	Pit Lid Level	Comment				
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	
1.1	ENDWALL	-	-			450	197.450	0.296	197.746	Stormwater outlet per pg. 8
1.2	JP COGB SD590 B-C-L-R	900	1200	450	197.582	600	197.612	2.512	200.094	
1.3	SEP COGB SD590 B-C-G-R	900	900	600	198.045	600	198.075	1.934	199.979	
1.4	SEP COGB SD590 B-C-G-R	900	900	600	198.738	600	198.768	1.701	200.439	
1.5	JP COGB SD590 B-C-L-R	900	900	600	198.966	600	198.996	1.635	200.601	
1.6	SEP COGB SD590 B-C-G-R	900	900	600	199.159	525	199.196	1.551	200.709	

		AMENDMENTS					
		Revision	Description	Approved by	Date		
	CoGB SD390 TRENCH BACKFILL (BEHIND KERB)	-	-	-	-		
EVICTING DIDE TO DEMAIN	Coop Coop in Elicinia in Elicinia in Elicinia						
EXISTING PIPE TO REMAIN  DESIGN PIPE / PIT or ENDWALL	C-CR CR204 TRENCH RACKELL (UNDER NEW ROAD)						
	CoGB SD391 TRENCH BACKFILL (UNDER NEW ROAD)						
DESIGN PIPE / PIT or ENDWALL							
	CoGB SD392 TRENCH BACKFILL (UNDER EXISTING ROAD)						
						,	

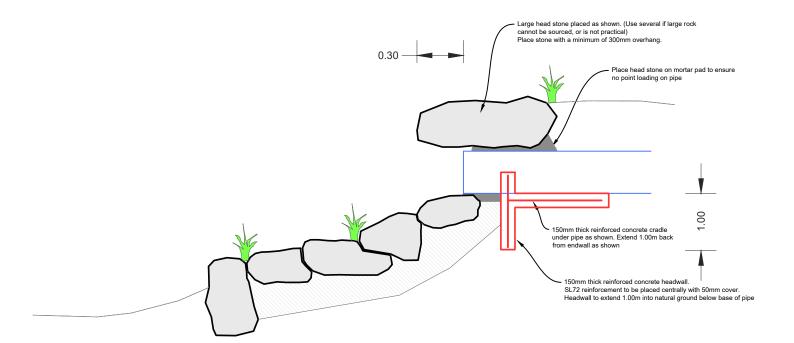
WATERVIEW DRIVE WHITE HILLS DRAINAGE LONGITUDINAL SECTION

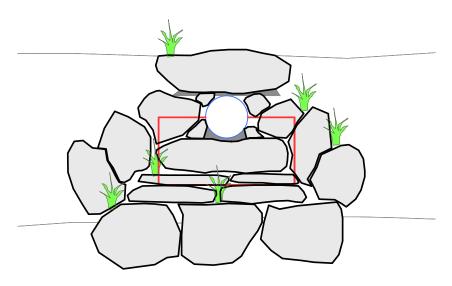
Survey	H. WHYTOCK	MAY '22				
Design	JUNE '22					
Checked	A. SMITH	A. SMITH				
Approved by	N. SARTORI	-/-/22				
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PRELIMINARY DESIGN **DRAFT 3** 

Plot Date: 4/08/2022 Plotted By: MEGAN JENNINGS

## Creek outlet detail





Front Elevation

Side Elevation

## Construction procedure

- Construct and place pipe to desired location and construct concrete endwall
- Excavate and place toe and perimeter rocks to min 600mm depth into undisturbed material
- Place rocks in the chute. Care is to be taken to ensure each rock is 'locked in' to its surrounding rocks and voids are to be kept to a minimum. Should appear as a rock blanket
- Place and mortar in Headstone and rocks adjacent pipe

AMENDM	ENTS		CITY	F GREATER BENDIGO	Survey	H. WHYTOCK		MAY '22	
Description	Approved b	by Date		GREATER DENDIGO	Design	M. JENNINGS		JUNE '22	DDEL IMINIADY
		-		\\\ATED\\ E\\\\DD\\\E	Checked	A. SMITH		-/-/22	PRELIMINARY
			A	WATERVIEW DRIVE	Approved by	N. SARTORI		-/-/22	DDAET
				WHITE HILLS	Scale: -		Revision : A		DRAFT
					Original sheet	size: A3	File: GB4949.dw	/g	
				DRAINAGE	Sheet:	Reference:			
				CDEEK OUTLET DETAIL	8 OF 8	$\perp$ G	B4949		Plot Date: 4/08/2022
				CREEK OUTLET DETAIL	1 0 0 0				Plotted By: MEGAN JENNINGS

PRELIMINARY DESIGN **DRAFT 3** Plot Date: 4/08/2022