

SUNSET DRIVE, STRATHFIELDSAYE

GB4927

DRAINAGE

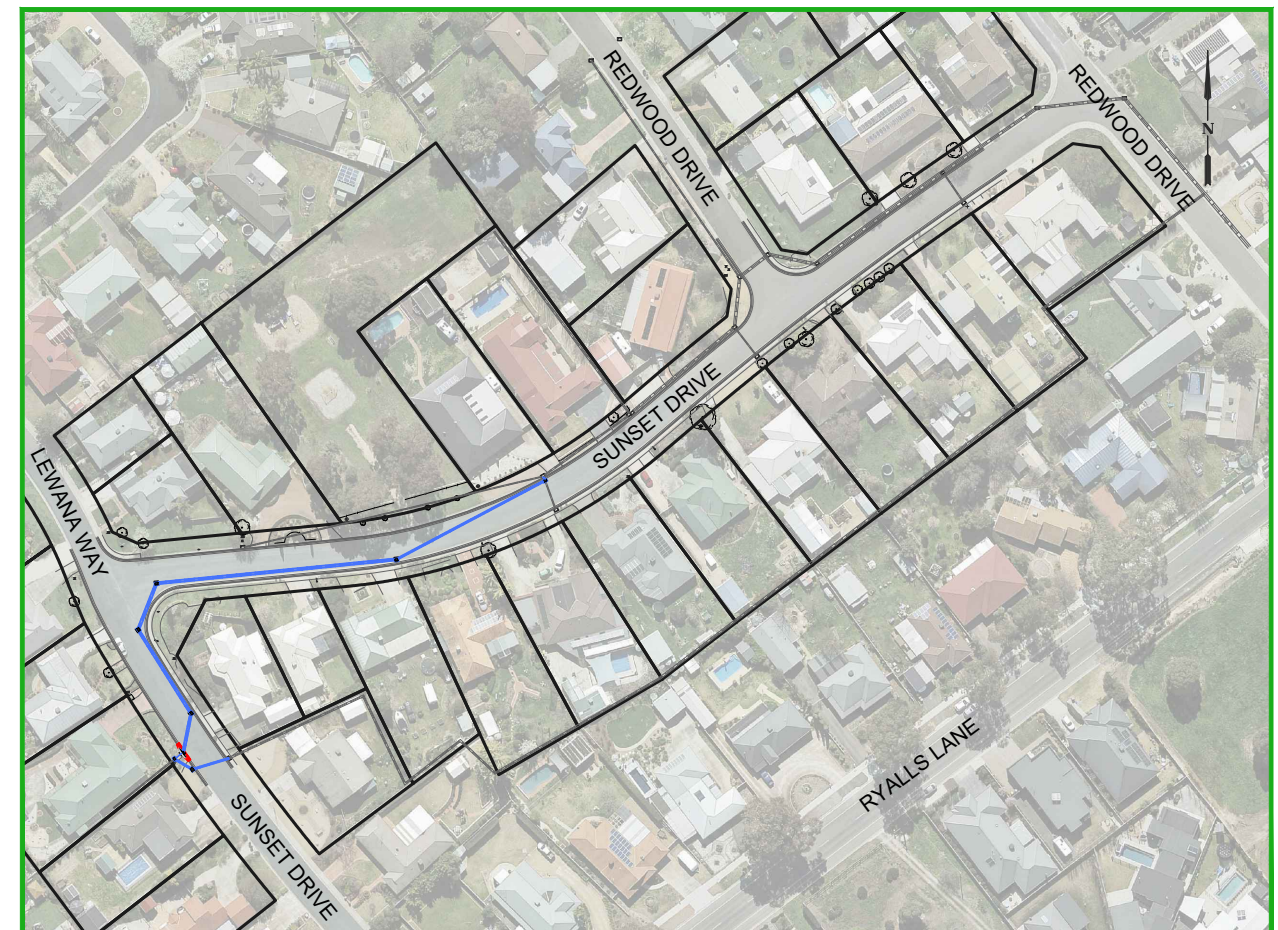
JUNE 2022



DOCUMENT CONTROL				
SHEET No.	SHEET DESC.	30/06/22	xx/xx/22	xx/xx/22
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A	-	-
2	PLAN VIEW	A	-	-
3	PLAN VIEW	A	-	-
4	DRAINAGE LONG SECTION	A	-	-
5	LONG SECTION, PIT SCHEDULE & SETOUT	A	-	-



LOCALITY MAP



PROJECT EXTENTS

PROJECT PLANNING REQUIREMENTS				AMENDMENTS			
Item	Required	Comments	Contractor	Revision	Description	Approved by	Date
Vegetation	No	-		-	-	-	-
RRV	No	-					
CMA	No	-					
Planning Permit	No	-					
Land Acquisition	No	-					
CHMP	No	-					
Other	No	-					



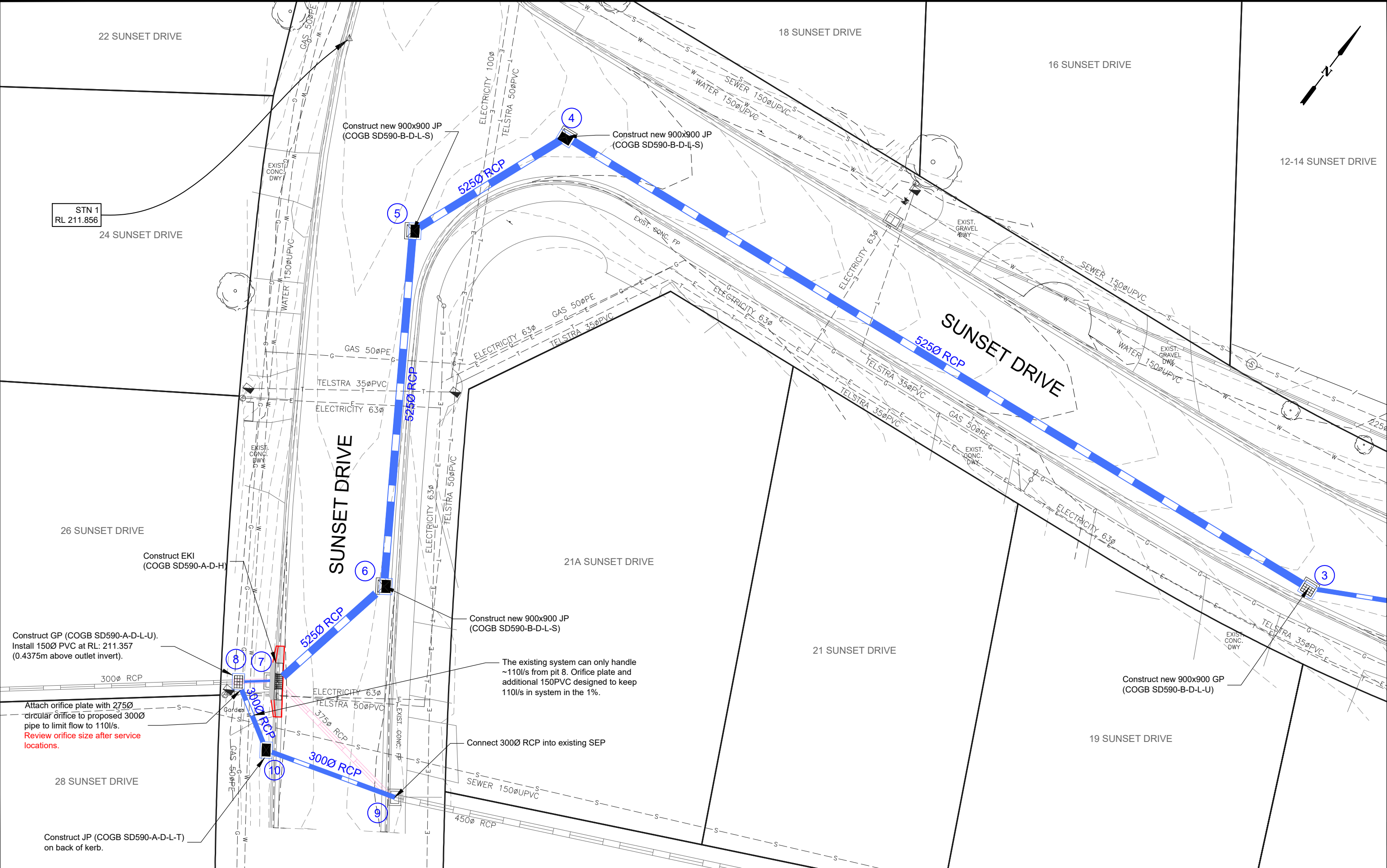
CITY OF GREATER BENDIGO

SUNSET DRIVE
STRATHFIELDSAYE
DRAINAGE
COVER SHEET

Survey	H. WHYTOCK	19/05/22
Design	B. JANSSEN	30/06/22
Checked	A. SMITH	-/-/22
Approved by	N. SARTORI	-/-/22
Scale: -	Revision: A	
Original sheet size: A3	File: GB4927.dwg	
Sheet: 1 OF 5	Reference: GB4927	

**PRELIMINARY DESIGN
DRAFT 6**

Plot Date: 30/06/2022
Plotted By: BAYLEY JANSSEN



LEGEND

Design Pipe

Existing Pipe to remain

Pipe Removal

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

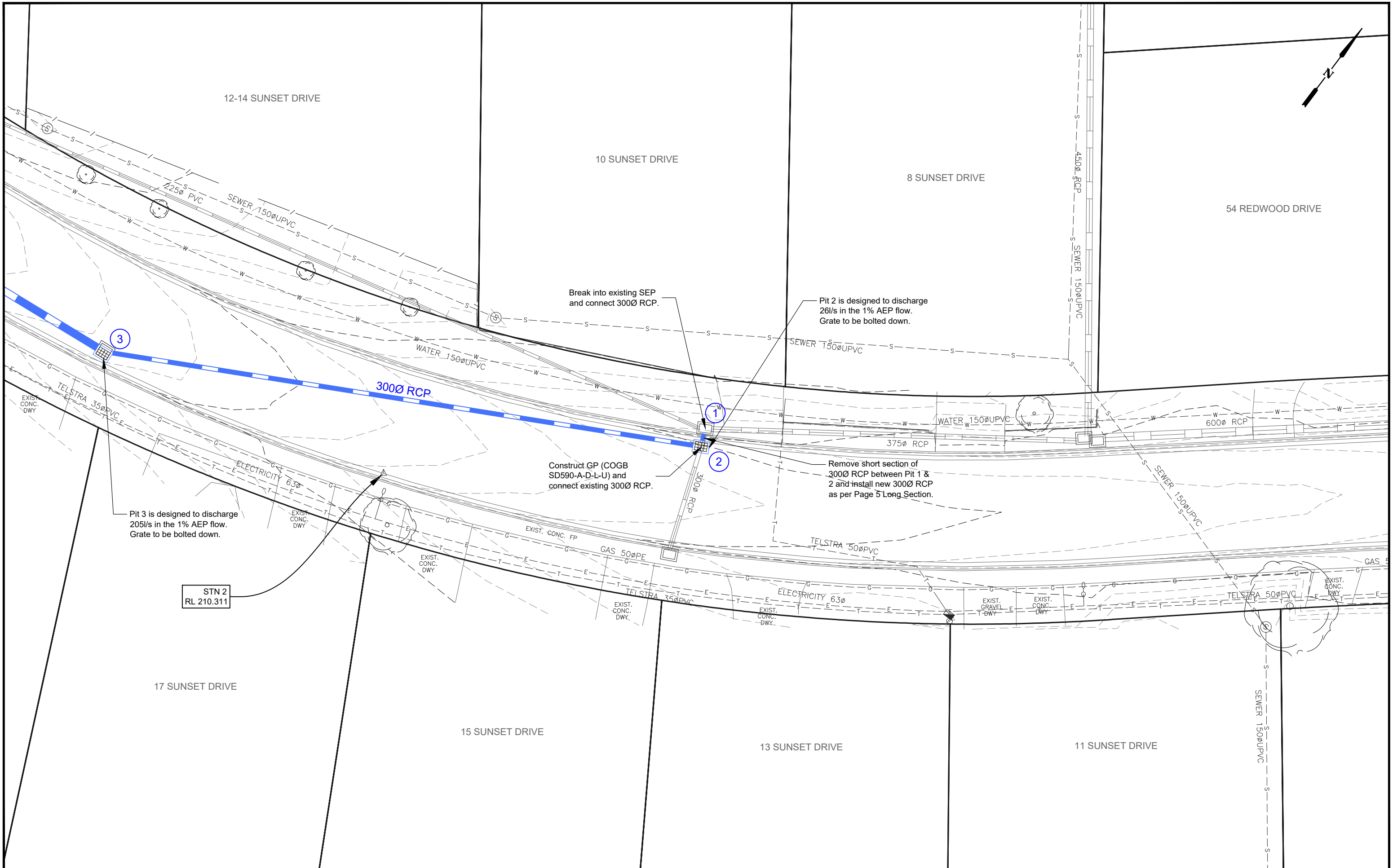
CITY OF GREATER BENDIGO

SUNSET DRIVE
STRATHFIELDSAYE
DRAINAGE
PLAN VIEW

Survey	H. WHYTECK	19/05/22
Design	B. JANSSEN	30/06/22
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: 1:250	Revision: A	
Original sheet size: A3	File: GB4927.dwg	
Sheet: 2 OF 5	Reference: GB4927	

PRELIMINARY DESIGN
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Plot Date: 30/06/2022
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LEGEND

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 Pipe Removal

AMENDMENTS				
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CITY OF GREATER BENDIGO



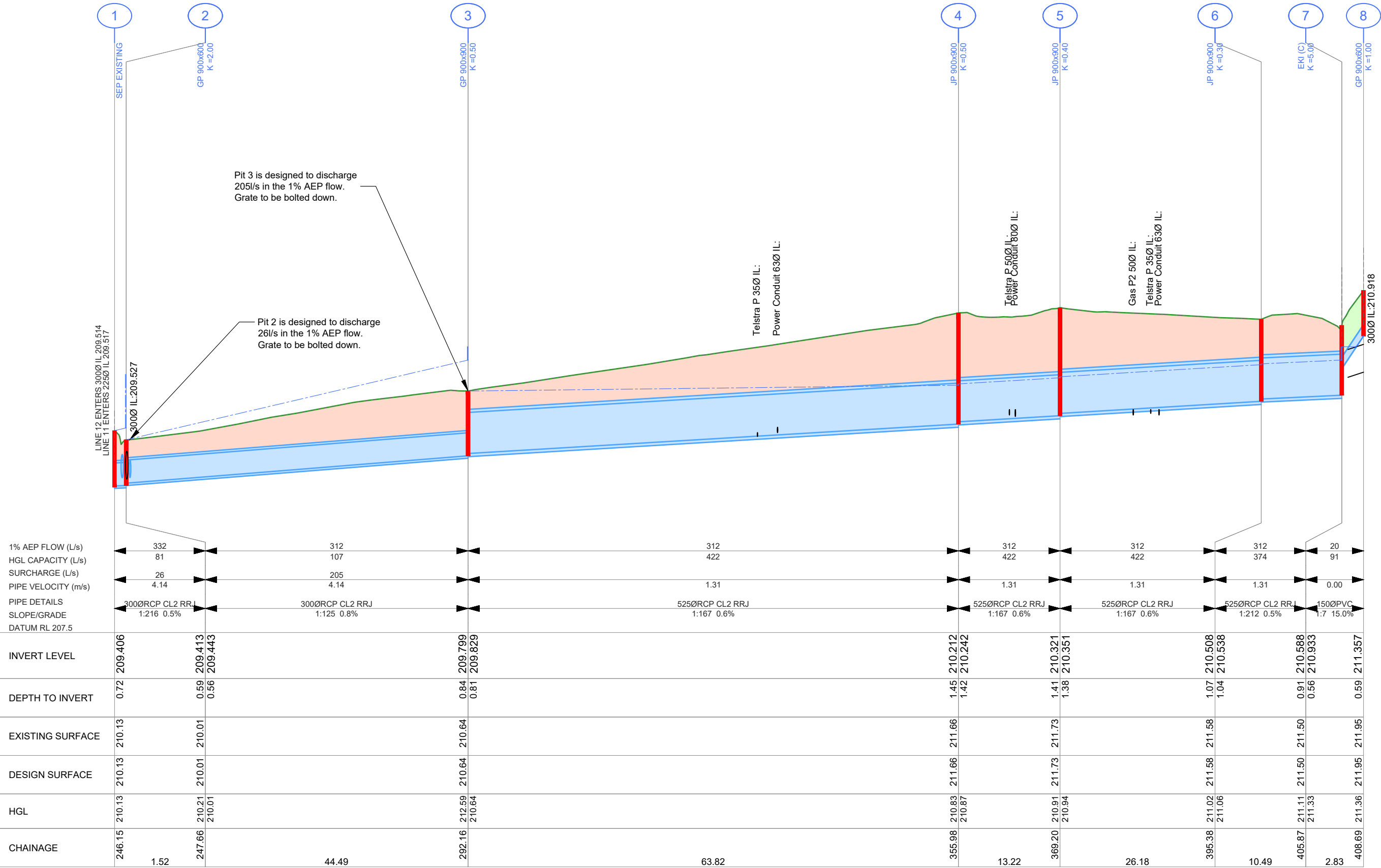
SUNSET DRIVE
STRATHFIELDSAYE
DRAINAGE
PLAN VIEW

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DRAFT 6

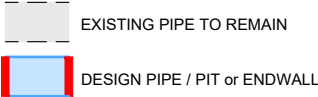
Plot Date: 30/06/2022
Plotted By: BAYLEY JANSSEN

SERVICES DEPTHS ARE TO BE ORGANISED



DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:500 VERTICAL 1:50

LEGEND



- CoGB SD390 TRENCH BACKFILL (BEHIND KERB)
- CoGB SD391 TRENCH BACKFILL (UNDER NEW ROAD)
- CoGB SD392 TRENCH BACKFILL (UNDER EXISTING ROAD)

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO



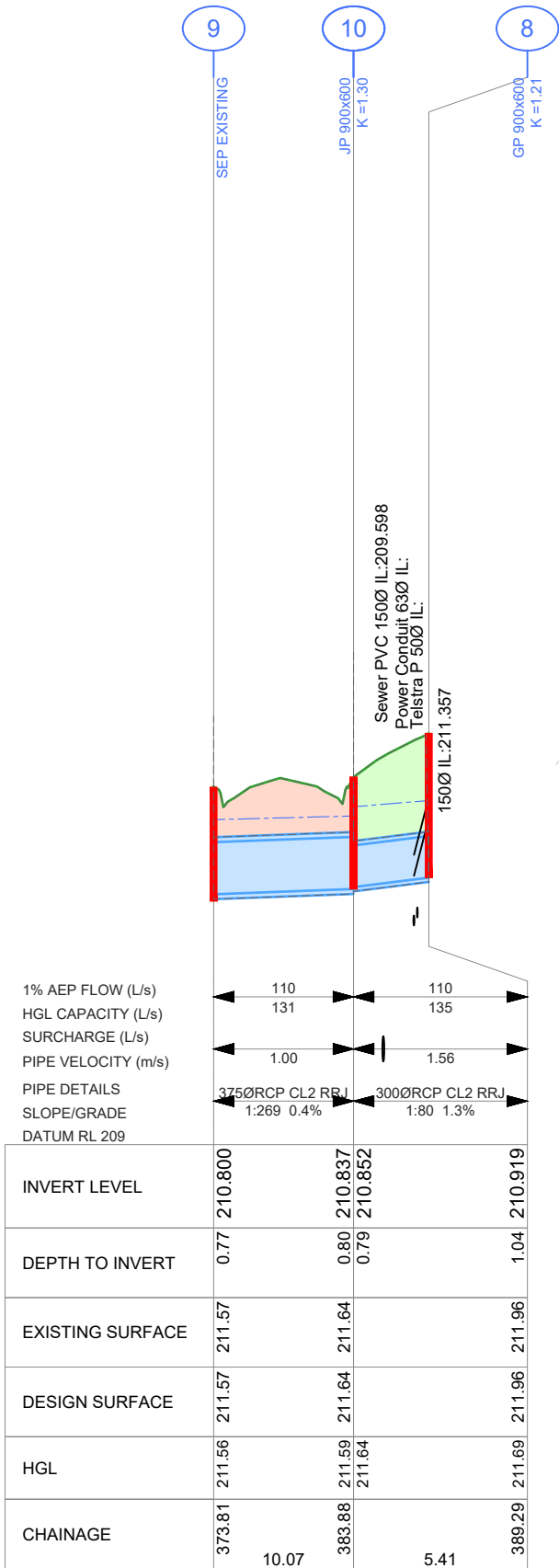
SUNSET DRIVE
STRATHFIELDSAYE
DRAINAGE
DRAINAGE LONG SECTION

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PRELIMINARY DESIGN
DRAFT 6

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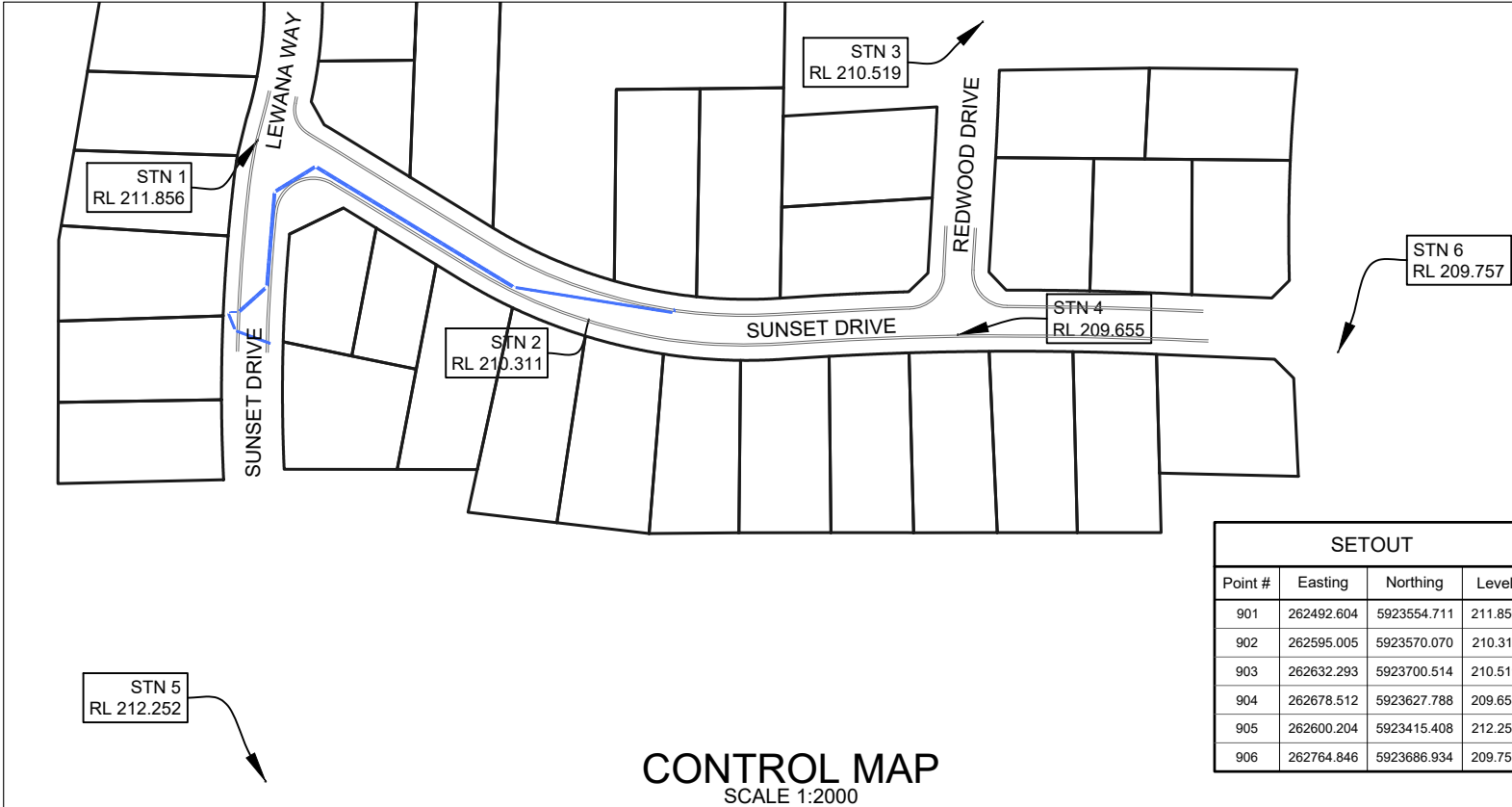
SERVICES DEPTHS ARE TO BE ORGANISED



DRAINAGE CONSTRUCTION NOTES

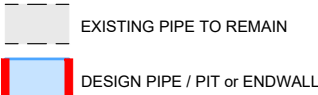
- The Superintendent's Representative and Design Engineer must be notified if any any modifications to drainage design are required due to unforeseen circumstances identified during works onsite.
- Any property storm water pipes located during Works are to be plumbed to the nearest pit. Where this is not practical, seek approval from the Superintendent's Representative to connect stormwater into kerb or into the nearest storm water pipe.
- All drainage pits are to be constructed as per the noted Standard Drawing.
- Invert fall through pits is to be a min. of 30mm unless noted otherwise.
- 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.
- All pipe backfill is to be constructed as per the noted Standard Drawing.
- 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 joint over the drainage trench. This also should ensure a straight edge for re-asphalting. The top 300mm depth of backfill should then be constructed accordingly.
- 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.
- 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 accordingly whilst causing minimal disruption to property owners.
- 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.

Pit Schedule										
Pit No.	Pit Type	Standard Drawing	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level
			(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)
1	COGB-Side Entry Pits	EXISTING	-	-	375	209.391	300	209.406	0.736	210.127
							225	209.517		
2	COGB-Grated Pits	COGB SD590-A-D-L-U	600	900	300	209.413	300	209.443	0.595	210.008
							300	209.443		
3	COGB-Grated Pits	COGB SD590-B-D-L-U	900	900	300	209.799	525	209.829	0.843	210.642
4	COGB-Junction Pits	COGB SD590-B-D-L-S	900	900	525	210.212	525	210.242	1.446	211.658
5	COGB-Junction Pits	COGB SD590-B-D-L-S	900	900	525	210.321	525	210.351	1.406	211.727
6	COGB-Junction Pits	COGB SD590-B-D-L-S	900	900	525	210.508	525	210.538	1.067	211.575
7	COGB-Side Entry Pits	COGB SD590-A-D-H	-	-	525	210.588	150	210.933	0.907	211.495
8	COGB-Grated Pits	COGB SD590-A-D-L-U	600	900	150	211.357	300	210.949	1.038	211.957
					300	210.919				
9	COGB-Side Entry Pits	EXISTING	-	-	450	210.750	375	210.800	0.820	211.570
10	COGB-Junction Pits	COGB SD590-A-D-L-T	600	900	375	210.837	300	210.852	0.805	211.642



SETOUT			
Point #	Easting	Northing	Level
901	262492.604	5923554.711	211.856
902	262595.005	5923570.070	210.311
903	262632.293	5923700.514	210.519
904	262678.512	5923627.788	209.655
905	262600.204	5923415.408	212.252
906	262764.846	5923686.934	209.757

LEGEND



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STRATHFIELDSAYE
DRAINAGE

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