# **PROVENANCE ESTATE STAGE 8** HUNTLY PROPERTY HOLDING PTY LTD

#### GENERAL NOTES

A. GENERAL

1. ALL WORK TO BE CARRIED OUT TO CITY OF GREATER BENDIGO SPECIFICATIONS, STANDARD DRAWINGS AND TO THE SATISFACTION OF COUNCILS SENIOR SURVEILLANCE OFFICER OR HIS REPRESENTATIVE.

2. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA).

3. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.

4. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND ONLY RE-TOPSOILED ON THE DIRECTION OF THE ENGINEER, TO THE FINAL FILL LEVELS SHOWN ON THE DRAWINGS. ALL FILLING IS TO BE:

- APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT - PLACED IN LAYERS NOT EXCEEDING 200MM LOOSE THICKNESS.
- MOISTURE CONDITIONED TO WITHIN 85% TO 115% OF OPTIMUM MOISTURE CONTENT
- COMPACTED TO A MINIMUM 95% (STANDARD) DRY DENSITY RATIO.
- PLACED UNDER "LEVEL 1" SUPERVISION IN ACCORDANCE WITH AS 3798-1996

5. EXISTING DEPRESSIONS & DRAINS TRAVERSING THE SITE ARE TO BE CLEANED OUT AND DESLUDGED TO FIRM BASE AND FILLED TO FINISHED SURFACE LEVELS TO THE SPECIFIED COMPACTION STANDARDS.

6. TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF TBM'S THEREAFTER.

7. POSITION CONDUITS SO THAT A MINIMUM DISTANCE BETWEEN TAPPING IS 1.0M. CONDUITS TO BE LOCATED MIDWAY BETWEEN FENCE LINE OF LOT, UNLESS OTHERWISE SHOWN.

8. BEFORE COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.5 M DEEP, THE REQUIRED NOTICE IS TO BE SENT TO THE VICTORIAN WORKCOVER AUTHORITY IN ACCORDANCE WITH THE MINES ACT. 1958 NO 6320 SECTION 385 AND THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985. THIS NOTIFICATION MUST BE RECEIVED BY THE AUTHORITY AT LEAST 3 DAYS PRIOR TO COMMENCING EXCAVATIONS, AND A COPY OF THE NOTIFICATION MUST BE PROVIDED TO THE SUPERINTENDENT

9. COUNCIL'S REPRESENTATIVE IS TO BE NOTIFIED IN WRITING SEVEN (7) DAYS PRIOR TO THE COMMENCEMENT OF WORKS

10. NO EXCAVATION WITHIN 5M OF ANY EXISTING TREE WITHOUT APPROVAL OF THE ENGINEER.

11. NO BLASTING IS PERMITTED WITHIN THE CITY OF GREATER BENDIGO WITHOUT OBTAINING COUNCIL'S SPECIAL DISPENSATION.

12. EXCAVATED MATERIAL SURPLUS TO FILLING REQUIREMENTS OF THE WORKS SHALL BE REMOVED FROM SITE AS SPECIFIED

13. ALL SURPLUS ROCK, CONCRETE AND BITUMINOUS RUBBLE SHALL BE DISPOSED OFF SITE AS SPECIFIED. THE CONTRACTOR SHALL CHECK WITH SUPERINTENDENT WHETHER ANY LARGE ROCKS ARE REQUIRED FOR LANDSCAPE PURPOSES PRIOR TO DISPOSAL.

14. NATURESTRIPS AND ALL AREAS OF CUT OUTSIDE ROAD RESERVE TO BE SURFACED WITH 100MM MINIMUM COMPACTED LAYER OF TOPSOIL.

B. ROAD WORKS

I. FOOTPATHS ARE TO BE 1.5M WIDE UNLESS SHOWN OTHERWISE. FOOTPATHS TO BE CONSTRUCTED TO THE CITY OF GREATER BENDIGO STANDARDS.

2. CONSTRUCT LAYBACK SECTION AT VEHICLE CROSSING, REVERSING BAYS AND CAR PARKING BAYS AND PRAM CROSSING TO THE CITY OF GREATER BENDIGO STANDARDS.

3. ALL CHAINAGES REFER TO ROAD PAVEMENT CENTRELINES EXCEPT IN COURT HEADS AND INTERSECTIONS WHERE CHAINAGES REFER TO BACK OF KERB.

4. THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE MADE GOOD.

5. ALL BATTERS SHALL BE TO THE CITY OF GREATER BENDIGO STANDARDS.

- CUT 1 IN 12 UNLESS OTHERWISE SHOWN. - FILL 1 IN 12 UNLESS OTHERWISE SHOWN.

6. ALL SET OUT INFORMATION GIVEN IS TO LIP OF KERB UNLESS OTHERWISE SHOWN.

7. WHERE CRUSHED ROCK IS SHOWN UNDER CONCRETE FOOTPATHS CONSTRUCTED ON FILL, THE CRUSHED ROCK IS TO BE 20MM CLASS 3. WHERE CUT BATTERS ARE STEEPER THAN 1:6 THEY MUST BE HYDRO MULCHED.

8. SUBGRADE BE COMPACTED TO A MINIMUM OF 98% STANDARD MAXIMUM DRY DENSITY (AS3798), WITH THE SUBBASE COMPACTED IN ACCORDANCE WITH SCALE C INVICROADS TABLE 304.071 USING FINE CRUSHED ROCK AND THE BASE COURSE TO 100% MINIMUM MODIFIED DRY DENSITY. ANY FILLING BENEATH ROAD PAVEMENT AREAS TO BE COMPACTED TO 100% OF MAXIMUM DRY DENSITY.COMPACTION TESTING TO BE AS PER COUNCIL REQUIREMENTS.

9. ANY BACKFILL WITHIN 1.0M OF A COUNCIL ASSET (FOOTPATH OR ROAD) IS TO BE FCR. FILL MATERIAL IS ACCEPTABLE IF COMPACTED TO ENSURE 95% COMPACTION. COMPACTION TESTING TO BE PERFORMED AT ONE PER 60M OF TRENCH.

10. CONCRETE TO HAVE 28DAY STRENGTH OF 25MPA UNLESS NOTED OTHERWISE



#### WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

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#### DDAWING SCHEDIIIE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES - SHEET 1	1	А
CR200	ROAD LAYOUT PLANS - SHEET 1	2	А
CR201	ROAD LAYOUT PLANS - SHEET 2	3	А
CR300	ROAD LONG SECTIONS - SHEET 1	4	А
CR301	ROAD LONG SECTIONS - SHEET 2	5	А
CR400	ROAD CROSS SECTIONS – SHEET 1	6	А
CR401	ROAD CROSS SECTIONS - SHEET 2	7	А
CR402	ROAD CROSS SECTIONS - SHEET 3	8	А
CR403	ROAD CROSS SECTIONS - SHEET 4	9	А
CR404	ROAD CROSS SECTIONS - SHEET 5	10	А
CR500	INTERSECTION DETAILS – SHEET 1	11	А
CR600	DRAINAGE LONG SECTIONS - SHEET 1	12	А
CR601	DRAINAGE LONG SECTIONS - SHEET 2	13	А
CR602	DRAINAGE LONG SECTIONS - SHEET 3	14	А
CR603	DRAINAGE LONG SECTIONS - SHEET 4	15	А
CR604	DRAINAGE LONG SECTIONS - SHEET 5	16	А
CR605	DRAINAGE LONG SECTIONS - SHEET 6	17	А
CR606	DRAINAGE LONG SECTIONS - SHEET 7	18	А
CR700	PAVEMENT AND TYPICAL DETAILS - SHEET 1	19	А
CR800	SIGNAGE AND LINEMARKING - SHEET 1	20	А
CR801	SIGNAGE AND LINEMARKING – SHEET 2	21	А



LOCALITY PLAN

NOT TO SCALE

### SERVICE LOCATION TABLE

ROAD NAME		POTABLE WATER		۹S		BN ECOM)		ELECT			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	PC	DLE	U/G (	ABLE	
	SIDE	UFFSET	SIDE	UFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	
DELAWARR PARADE	W	2.40	W	1.90	E	1.90	E	x0.8	E	2.40	
COFFEY STREET	N	2.40	N	190	S	1.90	S	x0.8	S	2.40	
GARRETT STREET	W	2.40	W	1.90	E	1.90	E	x0.8	E	2.40	
DYMOCK STREET	W	2.40	W	1.90	E	1.90	E	x0.8	E	2.40	

1. TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S

2. GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.

3. × = OFFSET FROM BACK OF KERB



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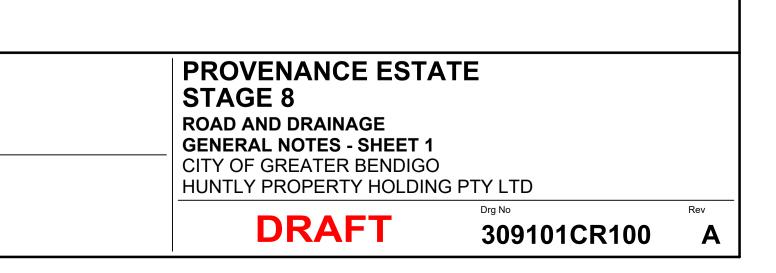
Designed **D.SHEEHAN** Authorised H.OAKLEY-WARREN

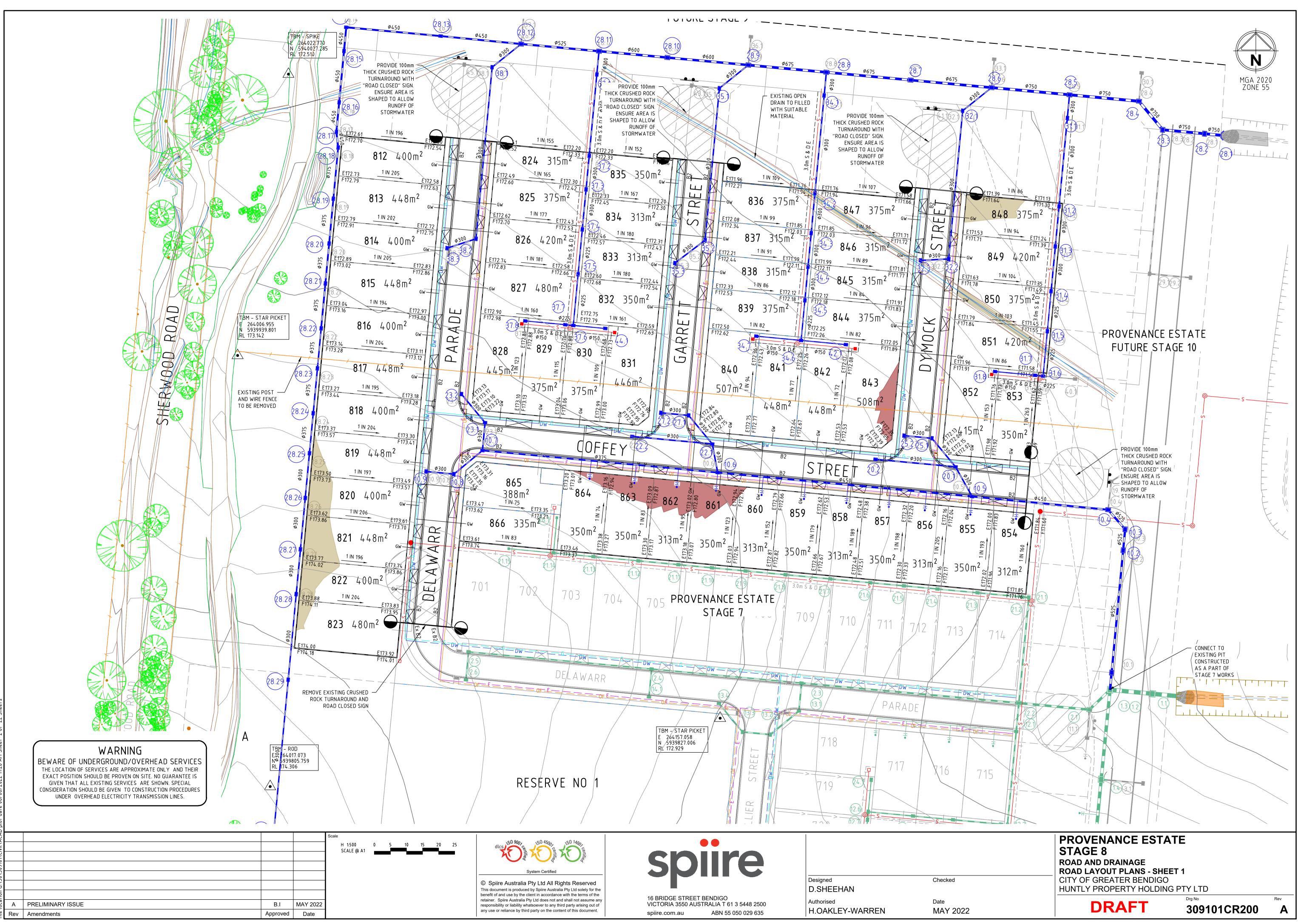
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Date MAY 2022

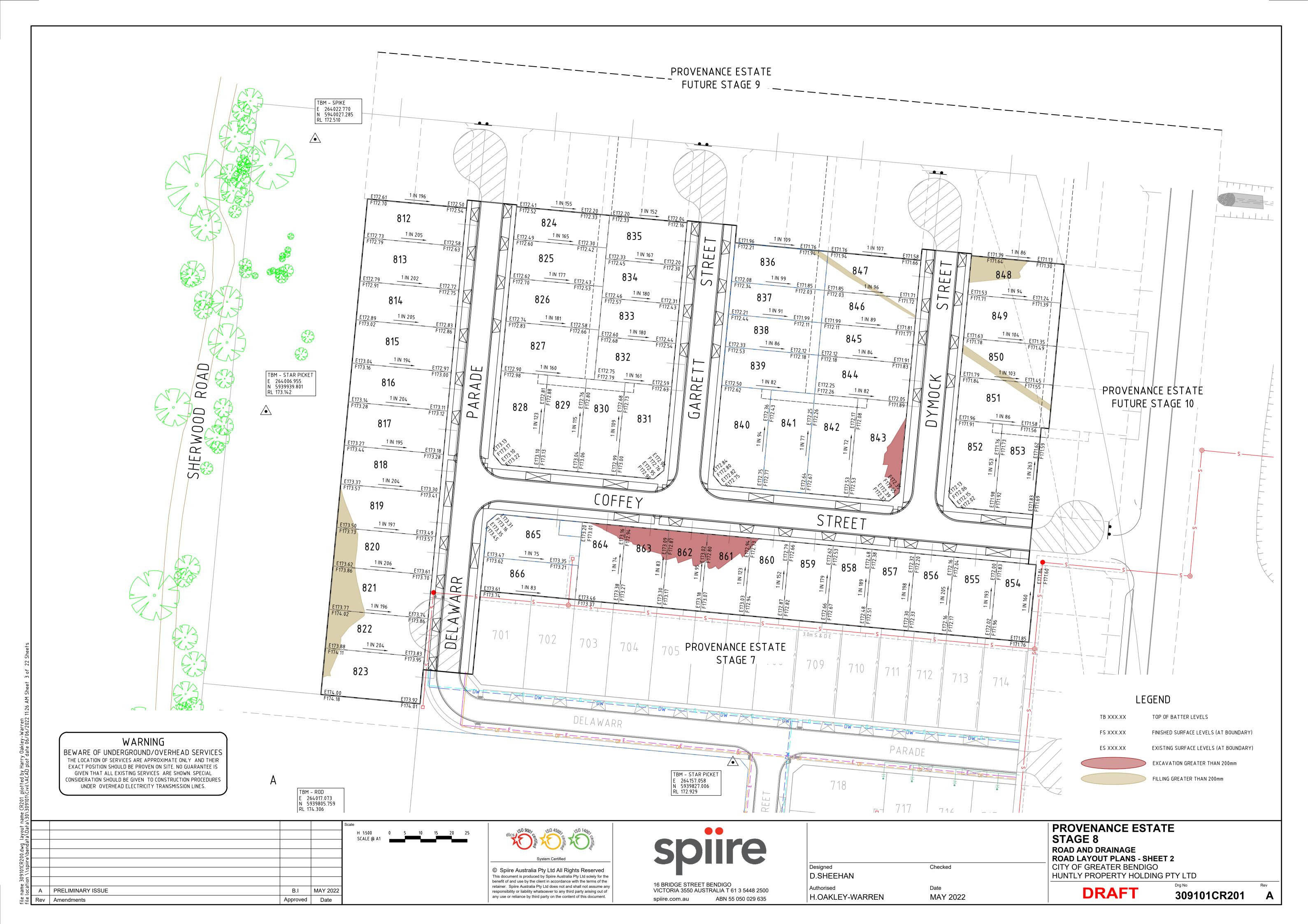
### LEGEND

WATER HAN, VALVE AND HYDRANT       DW       DW         WATER RECYCLED       DW       NOW         WATER RECYCLED       DW       NOW         UNDERGROUND LECTRICTY       E       E         TELECOMMUNICATIONS       OF       OF         OPTIN FIBRE       OF       OF         OVERHEAD TELECOMMUNICATIONS       OT       OF         GAS MAN       Severa MINIENANCE STRUCTURE       SS         SEWER MINIENANCE STRUCTURE       SS       OT         COUNCL. STORM WATER DRAIN AND PIT       OT       OT         COUNCL. STORM WATER DRAIN AND PIT       OT       OT         STORM WATER DRAIN AND PIT       OT       OT       OT         STORM WATER DRAIN AND PIT       OT       OT       OT         STORM WATER DRAIN AND PIT       OT       OT       OT       OT         STORM WATER DRAIN AND PIT       TO       OT       TO         SURFACE CONTOUR MAJOR </th <th>DESCRIPTION</th> <th>EXISTING</th> <th>PROPOSED</th>	DESCRIPTION	EXISTING	PROPOSED
UNDERGROUND ELECTRICITY TELECOMMUNICATIONS & SERVICE PIT OPTIC FIBRE OUVERHEAD TELECOMMUNICATIONS SEWER & MAINTENANCE STRUCTURE CONCENTRAL INVERT COUNCLI STORMWATER DRAIN AND PIT COUNCLI STORMWATER CONDUITS CONCRETE VEHICLE CONSING SURFACE LEVEL COUNCLI STORMWATER DRAIN RATER DEVEL MARK CARACE STRET SIGN PERMANNESS CHADES SETOIT POINT LIMIT OF WORKS BATTER EXCAVATION GREATER THAN 0.20m FILLING GR	WATER MAIN, VALVE AND HYDRANT	— — — DW — — —	DW
TELECOMMUNICATIONS & SERVICE PIT OFTER PIRE OVERHEAD TELECOMMUNICATIONS OFTER ANALYST CURRENT STRUCTURE CENTRAL INVERT COUNCIL STORM WATER DRAIN AND PIT CURRENT ROMOUTS CONCRETE VENCE CROSSING SURFACE CONTOUR MAJOR SURFACE SURVEY MARK SURFACE SURFACE THAN 0.20M THLING GREATER	WATER RECYCLED	— — — NDW — — —	NDW
DPTIC FIBRE OF	UNDERGROUND ELECTRICITY	— — E — — —	E
DVERHEAD TELECOMMUNICATIONS GAS MAN SEWER & MAINTENANCE STRUCTURE CUTRIAL INVERT CUNCLI, STORMWATER DRAIN AND PIT CUNCLI, STORM WATER DRAIN AND PIT CUNCLI PICAL CONDUITS CUNCLI STORM WATER CONDUITS CUNCLI CONTUNE WANDR SURFACE LEVEL CUNCLI STORM WATER THAN DRAIN FEMPORARY DENCH MARK CHIES STILLING GREATER THAN D 2000 FILLING GREATER T	TELECOMMUNICATIONS & SERVICE PIT		
GAS MAN SEVER & MAINTENANCE STRUCTURE CENTRAL INVERT CUNICL STORM WATER DRAIN AND PIT CUNICL STORM WATER DRAIN AND PIT CUNICL STORM WATER PITS HUUSE DRAIN STORM WATER DRAINAGE PIT NUMBER GAS & WATER CONDUITS CONCRETE VEHICLE CROSSING SURFACE CONTOUR MNOR SURFACE CONTOUR MAJOR SURFACE CONTOUR MAJOR SURFACE CONTOUR MAJOR SURFACE CONTOUR MAJOR SURFACE LEVEL BATTER LEVEL (TOP / TOE) TIL24.80 TIL24.8	OPTIC FIBRE	— — OF — — —	OF
SEWER & MAINTENANCE STRUCTURE CENTRAL INVERT COUNCLI STORMWATER DRAIN AND PIT COUNCUSTOR WATER DRAIN AND PIT HOUSE DRAIN STORM WATER DRAINAGE PIT NUMBER GAS & WATER CONDUTS CONCRETE VEHICLE CROSSING SURFACE CONTOUR MAJOR SURFACE CONTOUR MAJOR			
CENTRAL INVERT COUNCLL STORM WATER DRAIN AND PIT CONCRETE VEHICLE CROSSING SURFACE CONTOUR MINOR SURFACE CONTOUR MINOR SURFACE CONTOUR MAIDR STRET SIGN STREET SIGN STREET SIGN CH105 57 CH20.66 CH105 57 CH20.76 CH1			
COUNCIL STORM WATER DRAIN AND PIT COUNCIL STORM WATER PITS HOUSE DRAIN STORM WATER DRAINAGE PIT NUMBER EX. 447 GAS & WATER CONDUITS CONCRETE VEHICLE (ROSSING SURFACE CONTOUR MINOR SURFACE CONTOUR MAJOR SURFACE CONTOUR MA		— — — S — – <b>O</b> —	S
COUNCIL STORM WATER PITS HOUSE DRAN STORM WATER DRAINAGE PIT NUMBER GAS & WATER CONDUITS CONCRETE VEHICLE CROSSING SURFACE CONTOUR MAJOR SURFACE CONTOUR MAJOR SURFACE CONTOUR MAJOR SURFACE CONTOUR MAJOR DATER LEVEL (TOP / TOE) E123 /5 STREET SIGN PERMANENT SURVEY MARK TEMPORARY BENCH MARK BOLLARD ROAD CHAINAGES CH105 57 CH105 57 CH105 57 CH105 57 CH20 06 SETOUT POINT LIMIT OF WORKS BATTER EXCAVATION GREATER THAN 0.20m FILLING CANDPY) TO BE RETAINED CH20 06 CONDUCTION TREE TO BE PROTECTED VEGETATION LINE			
HOUSE DRAIN STORM WATER DRAINAGE PIT NUMBER GAS & WATER CONDUITS CONCRETE VEHICLE CROSSING SUFFACE CONTOUR MINOR SUFFACE CONTOUR MINOR SUFFACE CONTOUR MINOR SUFFACE CONTOUR MINOR SUFFACE CONTOUR MAJOR SUFFACE CONTOUR MAJOR SIGN AND POST LIGHT & POLE (BY OTHERS) STRET SIGN PERMANENT SURVEY MARK TEMPORARY BENCH MARK BOLLARD ROAD CHAINAGES CH106-57 CH			
STORM WATER DRAINAGE PIT NUMBER GAS & WATER CONDUITS CONCRETE VEHICLE CROSSING SURFACE CONTOUR MINOR SURFACE CONTOUR MINOR SURFACE CONTOUR MAJOR SURFACE CONTOUR MAJOR SURFACE LEVEL BATTER LEVEL (TOP / TOE) STREET SIGN PERMANENT SURVEY MARK CHIES 57 CHIES			
GAS & WATER CONDUITS CONCRETE VEHICLE CROSSING SURFACE CONTOUR MINOR SURFACE CONTOUR MINOR SURFACE LEVEL BATTER LEVEL (TOP / TOE) STREET SIGN PERMANENT SURVEY MARK TEMPORARY BENCH MARK BOLLARD ROAD CHAINAGES CH16 57 CH16 57 CH20 65 SETOUT POINT LIMIT OF WORKS BATTER EXCAVATION GREATER THAN 0 20m FENCE - TREE PROTECTION FENCE - VEHICLE EXCLUSION FENCE - VEHICLE EXCLUSION FENCE - VEHICLE EXCLUSION FENCE S CH20 6 C C C C C C C C C C C C C			
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SURFACE CONTOUR MINOR SURFACE CONTOUR MAJOR SURFACE CONTOUR MAJOR SURFACE LEVEL SURFACE LEVEL BATTER LEVEL (TOP / TOE) TI24.80 TI24	GAS & WATER CONDUITS	GW	GW
SURFACE CONTOUR MAJOR SURFACE LEVEL BATTER LEVEL (TOP / TOE) TI24.80 TI	CONCRETE VEHICLE CROSSING		
SURFACE LEVEL E123.45 F124.68 BATTER LEVEL (TOP / TOE) T124.80 1124.8	SURFACE CONTOUR MINOR		169.00
BATTER LEVEL (TOP / TOE) EARTHWORKS GRADE SIGN AND POST LIGHT & POLE (BY OTHERS) STREET SIGN PERMANENT SURVEY MARK TEMPORARY BENCH MARK BOLLARD ROAD CHAINAGES CHTIE 57 CHTIE 57	SURFACE CONTOUR MAJOR		168.90
EARTHWORKS GRADE SIGN AND POST LIGHT & POLE (BY OTHERS) STREET SIGN PERMANENT SURVEY MARK TEMPORARY BENCH MARK BOLLARD ROAD CHAINAGES CH106 57 CH106 57 CH10	SURFACE LEVEL	E123.45	F124.68
CHIMONOUS OND         SIGN AND POST         LIGHT & POLE (BY OTHERS)         STREET SIGN         PERMANENT SURVEY MARK         TEMPORARY BENCH MARK         BOLLARD         ROAD CHAINAGES         CH116 57         LIGHT & FOLE (BY OTHERS)         STREET SIGN         BOLLARD         ROAD CHAINAGES         CH116 57         LIGHT POINT         LIMIT OF WORKS         BATTER         EXCAVATION GREATER THAN 0.20m         FILLING GREATER THAN 0.20m         FENCE - TREE PROTECTION         FENCE - TREE PROTECTION         FENCES         GUARD RAIL         TREE (& SURVEYED CANOPY) TO BE RETAINED         IREE TO BE PROTECTED         VEGETATION LINE	BATTER LEVEL (TOP / TOE)	T124.80	
LIGHT & POLE (BY OTHERS) STREET SIGN PERMANENT SURVEY MARK TEMPORARY BENCH MARK BOLLARD ROAD CHAINAGES LOT CHAINAGES LOT CHAINAGES LOT CHAINAGES CH116 57 CH116 57 CH20 06 CH116 57 CH20 06 CH20 06			1 in 150
STREET SIGN PERMANENT SURVEY MARK TEMPORARY BENCH MARK BOLLARD ROAD CHAINAGES LIARD ROAD CHAINAGES LIARD ROAD CHAINAGES CH116 57 LL/R)TP CH116 57 LL/R)TP CH126 57 LL/R)TP		<u> </u>	<b></b>
PERMANENT SURVEY MARK         TEMPORARY BENCH MARK         BOLLARD         ROAD CHAINAGES         LOT CHAINAGES         LOT CHAINAGES         CH116.57         LOT CHAINAGES         CH116.57			~~~>
PERMANENT SURVEY MARK TEMPORARY BENCH MARK BOLLARD ROAD CHAINAGES CH116.57 CH116.			
BOLLARD       Image: Child 57	PERMANENT SURVEY MARK		
ROAD CHAINAGES     CH116.57     (L/R)TP (H116.57     CH116.57     (L/R)TP (H116.57       LOT CHAINAGES     CH20.06     CH20.06       SETOUT POINT     Image: Character and the set of th	TEMPORARY BENCH MARK		$\triangle$
ROAD CHAINAGES     CHIEST CHIEST     CHIEST CHIEST       LOT CHAINAGES     CHIEST CHIEST     CHIEST       LOT CHAINAGES     CHIEST     CHIEST       LIMIT OF WORKS     BATTER     CHIEST     CHIEST       BATTER     Image: Strate of the strate	BOLLARD	+	- <b>#</b> -
LOT CHAINAGES CH20.06 CH20.06 SETOUT POINT LIMIT OF WORKS BATTER EXCAVATION GREATER THAN 0.20m FILLING GREATER THAN 0.20m ROCK BEACHING FENCE - TREE PROTECTION FENCE - VEHICLE EXCLUSION FENCES GUARD RAIL TREE (& SURVEYED CANOPY) TO BE RETAINED TREE TO BE PROTECTED VEGETATION LINE CH20.06 CH20.	ROAD CHAINAGES		
LIMIT OF WORKS BATTER EXCAVATION GREATER THAN 0.20m FILLING GREATER THAN 0.20m ROCK BEACHING FENCE - TREE PROTECTION FENCE - VEHICLE EXCLUSION FENCES GUARD RAIL TREE (& SURVEYED CANOPY) TO BE RETAINED TREE TO BE PROTECTED VEGETATION LINE	LOT CHAINAGES		
BATTER EXCAVATION GREATER THAN 0.20m FILLING GREATER THAN 0.20m ROCK BEACHING FENCE - TREE PROTECTION FENCE - VEHICLE EXCLUSION FENCES GUARD RAIL TREE (& SURVEYED CANOPY) TO BE RETAINED TREE TO BE PROTECTED VEGETATION LINE	SETOUT POINT		A2
EXCAVATION GREATER THAN 0.20m FILLING GREATER THAN 0.20m ROCK BEACHING FENCE - TREE PROTECTION FENCE - VEHICLE EXCLUSION FENCES GUARD RAIL TREE (& SURVEYED CANOPY) TO BE RETAINED TREE TO BE PROTECTED VEGETATION LINE	LIMIT OF WORKS		$\bullet$
FILLING GREATER THAN 0.20m   ROCK BEACHING   FENCE - TREE PROTECTION   FENCE - VEHICLE EXCLUSION   FENCES   GUARD RAIL   TREE (& SURVEYED CANOPY) TO BE RETAINED   ITREE TO BE PROTECTED   VEGETATION LINE	BATTER		
ROCK BEACHING   FENCE - TREE PROTECTION   FENCE - VEHICLE EXCLUSION   FENCES   GUARD RAIL   TREE (& SURVEYED CANOPY) TO BE RETAINED   TREE TO BE PROTECTED   TREE TO BE REMOVED   VEGETATION LINE	EXCAVATION GREATER THAN 0.20m		
FENCE - TREE PROTECTION   FENCE - VEHICLE EXCLUSION   FENCES   GUARD RAIL   TREE (& SURVEYED CANOPY) TO BE RETAINED   TREE TO BE PROTECTED   TREE TO BE REMOVED   VEGETATION LINE	FILLING GREATER THAN 0.20m		
FENCE - VEHICLE EXCLUSION   FENCES   GUARD RAIL   TREE (& SURVEYED CANOPY) TO BE RETAINED   TREE TO BE PROTECTED   TREE TO BE REMOVED   VEGETATION LINE	ROCK BEACHING		
FENCE - VEHICLE EXCLUSION   FENCES   GUARD RAIL   TREE (& SURVEYED CANOPY) TO BE RETAINED   TREE TO BE PROTECTED   TREE TO BE REMOVED   VEGETATION LINE	FENCE - TREE PROTECTION	~ ~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	· // /////////////////////////////////
FENCES   GUARD RAIL   TREE (& SURVEYED CANOPY) TO BE RETAINED   TREE TO BE PROTECTED   TREE TO BE REMOVED   VEGETATION LINE			<u>0</u>
TREE (& SURVEYED CANOPY) TO BE RETAINED		//////	/ / /
TREE (& SURVEYED CANOPY) TO BE RETAINED		<u> </u>	<u> </u>
TREE (& SURVEYED CANOPY) TO BE RETAINED		^ ^ ^ ^ ^	^
TREE TO BE PROTECTED	GUARD RAIL		<u>n n n n n</u>
TREE TO BE PROTECTED			
TREE TO BE REMOVED	TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE TO BE REMOVED			
TREE TO BE REMOVED			
VEGETATION LINE	TREE TO BE PROTECTED		
VEGETATION LINE		*	
VEGETATION LINE			
	IREE TO BE REMOVED	EX7	
	FOOTPATH		





ley-W choot rry Oak 1:26 AM



				Scale								
					H 1:500 SCALE @ A1	0	5	10	15	20	25	
					V 1:50	0	0.5	1	1.5	2	2.5	
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#### DELAWARR PARADE

													EXISTING STAGE		GE 8			
																		OFFEY STREET
FUTURE	E BUNDUK STRE								30.00m VC				50.	0°m ∨C	>			30.00m VC
DESIGN GRADELINE	-3.33%	<			1.33%						1.00%	%				-1.10%		
DATUM RL 169.0																		
DESIGN CENTRELINE		171.367 171.386 171.408 171.520	171.725 171.786	172.053	172.320	172.586	172.853	173.053	173.24.0	173.352 173.403	173.553	173.703		173.822 173.807	173.728 173.678	173.513 173.513	173.293	<u>173.088</u> <u>173.073</u> 173.018 172.859
LEFT DESIGN LIP OF KERB	_	171.405	171.610	171.938	172.205	172.471	172.738 172.827	172.938	173.125	173.237 173.288	173.438	173.588 173.633	173.684		173.613		173.178	172.973 172.958 172.903 172.903
RIGHT DESIGN LIP OF KERB	_	171.293		171.938	172.205	172.471	172.738 172.827	172.938	173.125	173.237	173.438	173.588 173.633	173.684	<u> </u>	173.613	173.398 173.398	173.178	172.973 172.958 172.903 172.903
EX SURFACE LEFTBOUNDARY	_	171.55.5	171.697 171.734	171.952	172.182	172.475	172.850	173.142	173.340	173.440	173.632	173.74.7 173.783	173.834	173.929 173.856	173.765 173.721	173.583	173.342	<u>173.155</u> <u>173.147</u> <u>173.120</u> <u>173.010</u>
EX SURFACE RIGHT BOUNDARY	_	171.496	171.679 171.727	171.963	172.247	172.540	172.985 173.109	173.118 173.14.0	173.334	173.471	173.644	173.744		805	173.725	173.527	173.297	173.095 173.088 173.064 173.065
CHAINAGE	0.000	7.14.3 10.000 11.650 20.000	35.400	60.000	80.000	100.000	120.000 126.700	135.000 14.0.000	150.000	160.000	180.000	195.000 200.000	208.400 218.810	- 5. 5	245.000	260.000	280.000	298.600 300.000 305.000 320.000

#### DELAWARR PARADE

	F					STAGE 8	LIMIT OF	WORKS	FUTURE STAGE 9	
	F								FUT	<u>[U</u>
VERTICAL GEOMETRY			30.00m VC >						-	
DESIGN GRADELINE	-	-1.10%	<			-0.95%				
DATUM RL 169.5										7
DESIGN CENTRELINE	172.910	172.859	172.710	172.663	172.473		172.299	172.283	172.093 172.075	C1V.711
LEFT DESIGN LIP OF KERB	172.795	172.744	172.595	172.548	172.358		172.184	172.168	171.978	
RIGHT DESIGN LIP OF KERB	172.795	172.744	172.595	172.548	172.358		172.184	172.168	171.978	
EX SURFACE LEFTBOUNDARY	173.085	173.010	172.845	172.815	172.605		172.475	172.461	172.339	
EX SURFACE RIGHT BOUNDARY	173.037	172.965	172.785	172.744	172.567		172.403	172.394	172.241	
CHAINAGE	315.000	320.000	335.000	340.000	360.000		378.300	380.000	400.000 401.896	4 N 1. 7 Z 1











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ABN 55 050 029 635

Designed D.SHEEHAN Authorised H.OAKLEY-WARREN

Checked

<sup>Date</sup> MAY 2022



Rev

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				Scale								
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					SCALE @ A1 V 1:50	0	0.5	1	1.5	2	2.5	
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Α	PRELIMINARY ISSUE	B.I	MAY 2022									reta res
Rev	Amendments	Approved	Date									any

#### COFFEY STREET

		FUTURE	STAGE 10 HO LIWIN	STAGE	8								
VERTICAL GEOMETRY	10.00m VC		<	30.00m			<	30.00m VC	:	-			10.00m VC
DESIGN GRADELINE	-3.33%		2.00%	~		1.25%		><			0	.50%	3.33%
DATUM RL 168.5													
DESIGN CENTRELINE	171.044 170.944 170.940 170.940 170.977	171.010	171.477 171.534 <b>171.53</b> 4	171.749	171.999 171.919 171.965	511	172.34.0	172.499	172.574	112.002 172.665 172.677	772.717 172.717	112.877	172.977 173.020 173.029 173.090 173.208 173.221
LEFT DESIGN LIP OF KERB	_	171.062	171.362 171.418 <b>171.459</b>	171.634	171.784 171.804 171.850		472.284	172.384		172.550 172.562	172.662	172.762	172.905
RIGHT DESIGN LIP OF KERB		170.895	171.362 171.418 <b>171.459</b>	171.634	171.784 171.804 171.850	172.037	472.284	172.384	172.459	172.550 172.562	172.662	172.762	172.905
EX SURFACE LEFTBOUNDARY		171.618	171.840 171.877 <b>171.903</b>	172.026	172.14.4 172.160 172.198		112.608	172.736	172.855	172.995 173.008	173.121 7.02		173.299 173.309 173.322
EX SURFACE RIGHT BOUNDARY		171.449	171.796 171.830 <b>171.854</b>	171.974	172.096 172.114 172.158	172.34.3 172.397	1/2.555	172.625	172.702 172.751	172.830 172.830	172.946	000.271	173.106 173.128 173.120
CHAINAGE	0.000 5.000 6.250 10.000	11.650 20.000	35.000 37.900 <b>40.000</b>	50.000	60.000 61.500 65.000	80.000 85.300	000.26 100.000	110.000	120.000	137.500	160.000	180.000	200.000 208.500 210.400 215.400 220.000 220.400

#### GARRETT STREET

	ŀ										ST/	AGE 8 JO LIWIT	D FU MORKS	TURE STAGE 9
VERTICAL GEOMETRY	-	10.00n	n VC	-			<	30.00	Dm VC	~				10.00m VC
DESIGN GRADELINE		-3.33%	<			-0.50%		~~~>	<			-1.33%		3.33%
DATUM RL 169.0														
DESIGN CENTRELINE	172.804	172.672	172.612	172.603	172.562	172 487	172.459	172.381	172.275	172.212	172.012	171.857	171.745	171.542 171.542 171.541 171.497 171.497 171.497 171.616
LEFT DESIGN LIP OF KERB					172.447	275 2T1	172.344	172.266	172.160	172.097	171.897	171.742	171.630	171.427
RIGHT DESIGN LIP OF KERB				172.488	172.447	215 211	172.344	172.266	172.160	172.097	171.897	171.742	171.630	171.427
EX SURFACE LEFTBOUNDARY			172.916	172.891	172.802	172 627	172.574	172.465	347	172.307	172.169	172.039	171.957	171.843
EX SURFACE RIGHT BOUNDARY			172.826	172.811	172.713	112 562	172.505	172.370	172.250	172.188	172.020	171.904	171.823	171.688
CHAINAGE	0.000	5.000	10.000	11.900	20.000	35,000	40.000	50.000	60.000	65.000	80.000	91.600	100.000	115.289 115.320 117.205 120.000 120.062 122.205 127.205





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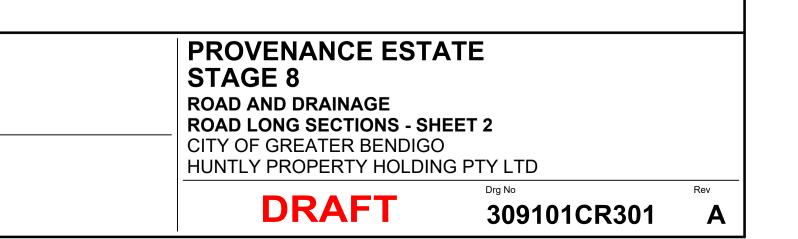
Designed D.SHEEHAN Authorised H.OAKLEY-WARREN Checked

Date MAY 2022

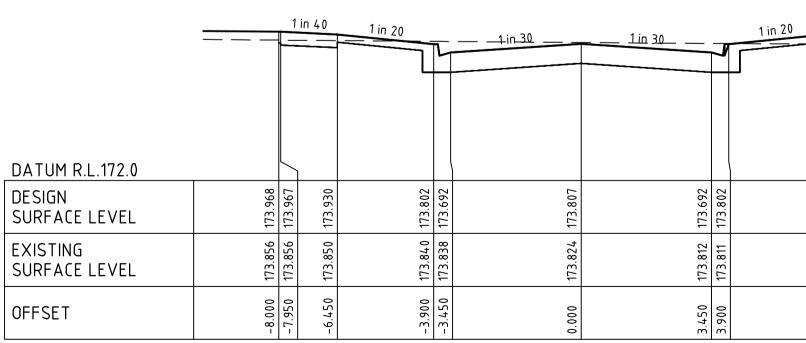
System Certified	SK
alia Pty Ltd All Rights Reserved oduced by Spiire Australia Pty Ltd solely for the the client in accordance with the terms of the	

#### DYMOCK STREET

	1		+				-	STAG	E 8	LIMIT OF	) FU	TURE STAG	iE 9
VERTICAL GEOMETRY	5	.00m	vc								30.	00m VC	10.00m VC
DESIGN GRADELINE	-3.3	3%				-0.50%						-2	2.00%
DATUM RL 168.5	171.986	171.921	1/0/1/1	1/1.869 171.828	171.728	171.628		171.528	171.503	171.475	ר ר ר ר ר	111.312	171.128 171.120 171.120 171.042 171.044 171.049 171.149
LEFT DESIGN LIP OF KERB				171.713	171.613	171.513		171.413	171.388	171.359		1 (7)   1	171.013
RIGHT DESIGN LIP OF KERB				421.171 171.713	171.613	171.513		171.413	171.388	171.359		1 < 7 ' 1 / 1	171.013
EX SURFACE LEFTBOUNDARY				1/2.344	172.053			171.643	171.590	171.540		1/1.4.20	171.316
EX SURFACE RIGHT BOUNDARY				1/2.141				171.491	171.435	171.385	( [ [ [ [ [ [ [	517:11	171.142 171.136 171.135
CHAINAGE	2.500	5.000		20.000	0000.04	60.000		80.000	85.000	89.600		0000	115.000 115.388 115.420 117.304 120.000 121.054 122.304 127.304



				Scale							
					H 1:100	0	1	2	3	4	5
					SCALE @ A1 V 1:50	0	0.5	1	1.5	2	2.5
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]											
A	PRELIMINARY ISSUE	B.I	MAY 2022								
Rev	Amendments	Approved	Date								



DELAWARR PARADE

DELAWARR PARADE

CH 240.00

CH 227.25

		1 ir	40	1 in 20	Ъ	1in_30	1 in 30		1 in 20
DATUM R.L.172.0		$\mathbf{k}$							
DESIGN SURFACE LEVEL	173.889	173.888	173.850	173.723	173.613	173.728	173.613	173.723	
EXISTING SURFACE LEVEL	173.765	173.765	173.762	173.756	173.755	173.746	173.738	173.737	
OFFSET	-8.000	-7.950	-6.450	006.2-	-3.450	0.000	3.450	3.900	

# DELAWARR PARADE

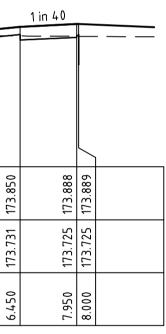
CH 260.00

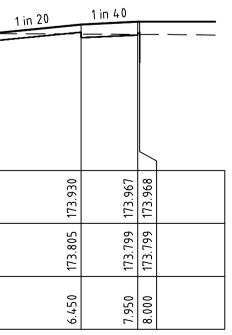
			n 40 	1 in 20	Ē	<u> </u>	— — 1 in 30— —		1 in 20	1 in 40	-	
				L								
DATUM R.L.172.0		$ \  \  \  \  \  \  \  \  \  \  \  \  \ $										1
DESIGN SURFACE LEVEL	413.674	173.673	173.635	173.508	173.398	173.513	173.398	173.508	173.635	173.673	173.674	
EXISTING SURFACE LEVEL	173.583	173.583	173.581	173.576	173.575	173.567	173.550	173.548	173.535	173.527	173.527	
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	0.000	3.450	3.900	6.450	7.950	8.000	

## DELAWARR PARADE

CH 274.80

		in 40	1 in 20		— — 1-in-30	1in 30	Ч	1 in 20	1 in 40		
DATUM R.L.172.0		1								$\leq$	
DESIGN SURFACE LEVEL	<u>173.511</u> 173.510	173.473	173.345	173.235	173.350	173.235	173.345	173.473	173.510	173.511	
EXISTING SURFACE LEVEL	173.415 173.414	173.410	173.404	173.403	173.388	173.371	173.369	173.357	173.356	173.356	
OFFSET	-8.000 -7.950	-6.450	-3.900	-3.450	0.00	3.450	3.900	6.450	7.950	8.000	





	BOUNDARY					16.00m ROA	D RESERVE					BOUNDARY	
	0.05m	F'	.50m PATH in 40	2.55M	).45 	7.50m CAR	3.45m I≺ RIAGEWAY	0.4 		, <mark>                                    </mark>	ATH I		'5m
						1 in 30	Tin 30						
DATUM R.L.171.0		L											
DESIGN SURFACE LEVEL	173.020	173.019	172.981	172.854	172.744	172.859		172.744	+68.2/1	1.86.7/1	173.019	173.020	
EXISTING SURFACE LEVEL	173.010	173.010	173.006	172.999	172.998	172.988		172.980		716.711	172.965	172.965	
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	0.000		3.450	0006.2	064.0	7.950	8.000	

#### DELAWARR PARADE

		1 in	40	1 in 20	2	— — <u>1 in 30</u> — _	<u>1in</u> 30		1 in 20	1 in 40		·
DATUM R.L.172.0												
DESIGN SURFACE LEVEL	173.234	173.233	173.195	173.068	172.958	173.073	172.958	173.068	173.195	173.233	173.234	
EXISTING SURFACE LEVEL	173.147	173.147	173.141	173.131	173.130	173.116	173.103	173.101	173.093	173.088	173.088	
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	0.000	3.450	3.900	6.450	7.950	8.000	

#### DELAWARR PARADE

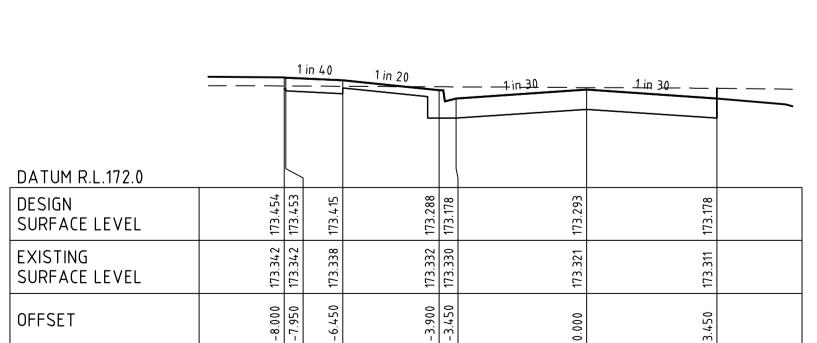
CH 300.00

CH 298.60

CH 320.00

		1 in 40	1 in 20			44.54		1 in 20	1 in 40		
				Ъ	<u> </u>	<u>1 in 30</u>	Ľ			╞	
DATUM R.L.172.0											
DESIGN SURFACE LEVEL	173.250	173.248	173.083	172.973	173.088	172.973	173.083	173.211	173.248		
EXISTING SURFACE LEVEL	173.155	173.155	173.139	173.137	173.124	173.110	173.109	173.099	173.095	173.095	
OFFSET	-8.000	-7.950	-3.900	-3.450	000.0	3.450	3.900	6.450	7.950		

DELAWARR PARADE



#### DELAWARR PARADE

OFFSET

CH 280.00



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Designed D.SHEEHAN Authorised H.OAKLEY-WARREN

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Checked

Date MAY 2022

PROVENANCE EST STAGE 8 ROAD AND DRAINAGE ROAD CROSS SECTIONS - S CITY OF GREATER BENDIG HUNTLY PROPERTY HOLDI	SHEET 1 O	
DRAFT	Drg No 309101CR400	Rev A

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				Scale								
					H 1:100 SCALE @ A1	0	1	2	3	4	5	
					V 1:50	0	0.5	1		2	2.5	
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А	PRELIMINARY ISSUE	B.I	MAY 2022									ret res
Rev	Amendments	Approved	Date									an

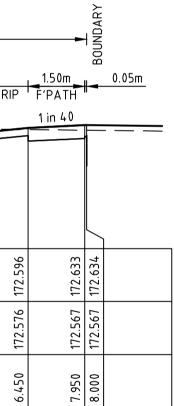
DELAWARR PARADE

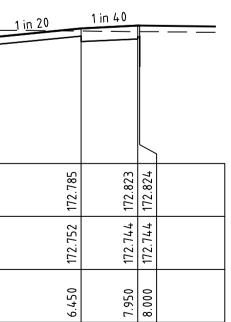
					_	1 in 30	1 in 30	_	
					5				
DATUM R.L.171.0		$\subseteq$							
DESIGN SURFACE LEVEL	172.824	172.823	172.785	172.658	172.548	172.663	172.548	172.658	
EXISTING SURFACE LEVEL	172.815	172.815	172.811	172.800	172.798	172.782	172.766	172.764	
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	0.000	3.450	3.900	

CH 340.00

CH 360.00 DELAWARR PARADE 

	BOUNDAF					16.00m ROA	D RESERVE		
	0.05m	F'F	50m <mark>→</mark> PATH n 40	NATURE STRIP	0.45 <del>     </del> B2	→ <sup>2,4</sup> 2Ⅲ →	<mark> ⊲</mark> 3.45m RIAGEWAY	).45r - - B2	NATURE STRIP
				<u>1 in 20</u>		1 in 30	1 in 30		1 in <u>20</u>
DATUM R.L.171.0									
DESIGN SURFACE LEVEL	172.634	172.633	172.596	172.468	172.358	172.473	17.0 DE 0	172.468	
EXISTING SURFACE LEVEL	172.605	172.605	172.600	172.596	172.596	172.591	700 E 07	172.586	173 E74
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	00000		3.900	







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16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

Designed D.SHEEHAN Authorised H.OAKLEY-WARREN

Checked

Date MAY 2022



				Scale							
					H 1:100 SCALE @ A1	0	1	2	3	4	5
					V 1:50	0	0.5	1	1.5	2	2.5
А	PRELIMINARY ISSUE	B.I	MAY 2022								
Rev	Amendments	Approved	Date								

5							
171.693 171.692	171.654	171.569	171.459	171.574	171.459	171.569	
171.903 171.903	171.900	171.895	171.894	171.881	171.868	171.867	
-8.000 -7.950	-6.450	-3.900	-3.450	0.000	3.450	3.900	
				СН 4	0.00		_
	171.903 171.903	171.903 171.903 171.900	171.903 171.903 171.900 171.895	171.903         171.           171.903         171.           171.903         171.           171.91         171.           171.91         171.           171.91         171.           171.91         171.           171.91         171.           171.91         171.           171.91         171.	-8.000     171.903     171.       -8.000     171.903     171.       -6.450     171.900     171.       -6.450     171.900     171.       -5.450     171.895     171.       -3.450     171.894     171.       0.000     171.881     171.	171.903         171.           0         171.903         171.           1         171.900         171.           0         171.895         171.           1         171.895         171.           1         171.895         171.           1         171.895         171.           1         171.895         171.           1         171.881         171.           1         171.881         171.           1         171.881         171.	-8.000     171.903     171.       -8.000     171.903     171.       -7.950     171.900     171.       -6.450     171.900     171.       -5.450     171.895     171.       -3.450     171.894     171.       3.450     171.881     171.       3.450     171.881     171.       3.450     171.863     171.       3.450     171.863     171.

	- 8 8 6		0.0	m m
COFFEY STREET			CH 60.00	
	1 in 40	1 in 30 1 ir	n 30 1 in 30	1 in 20
DATUM R.L.170.0				

DATUM R.L.171.0 172.144 172.018 172.144 172.017 DESIGN 171.894 171.784 784 979 SURFACE LEVEL 171. -3.900 172.139 1 -3.450 172.138 1 EXISTING SURFACE LEVEL 172.112 172.111 8.000 7.950 6.450 OFFSET .450 000

	<u> </u>	<del>-1 in</del> 40	1 in 30	_ 	1 in 30	1 in 30	$\downarrow$	1 in 20 —	<u>1 in 40</u>		
DATUM R.L.171.0											
DESIGN SURFACE LEVEL	172.038	172.037 171.999	171.914	171.804	<u>919.171</u>	171.804	171.914	172.042	172.079	172.081	
EXISTING SURFACE LEVEL	172.160	172.160 172.160	172.156	172.156	172.143	172.131	172.129	172.120	172.115	172.114	
OFFSET	-8.000	-7.950	-3.900	-3.450	0.000	3.450	3.900	6.450	7.950	8.000	
COFFEY STREET					CH 6	51.50					

#### COFFEY STREET

CH 65.00

		<del>-1 in</del> 40	1 in 30		1 in 30	1 in 30	
DATUM R.L.171.0							
DESIGN SURFACE LEVEL	172.083	172.082 172.045	171.960	171.850	171.965	171.850	
EXISTING SURFACE LEVEL	172.198	172.198 172.198	172.197	172.197	172.186	172.174	
OFFSET	-8.000	-7.950 -6.450	- 3.900	-3.450	0.000	3.450	



16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

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Checked

MAY 2022

Date

spiire

CH 80.00

COFFEY	STREET

		<del>-1 in</del> 40	1 in 30		1 in 30	1 in 30	
				Ч			
DATUM R.L.171.0							
DESIGN SURFACE LEVEL	172.271	172.270	712.147	172.037	172.152	172.037	
EXISTING SURFACE LEVEL	172.392	172.392		172.384	172.372	172.359	
OFFSET	-8.000	-7.950		-3.450	0000	3.450	

COFFEY STREET

		<del>-1 in</del> 40	1 in 30		1 in 30	1 in 30	$\downarrow$	- <u>1 in 20</u>	_ <u>1 in 40</u>	1	
DATUM R.L.171.0										L	
DESIGN SURFACE LEVEL	172.337	172.336 172.298	172.213	172.103	172.218	172.103	172.213	172.341	172.378		
EXISTING SURFACE LEVEL	172.450	172.449	172,436	172.434	172.422	172,410	172.408	172.400	172.397	172.397	
OFFSET	-8.000	-7.950 -6.4.50	006.8-	-3.450	0.000	3.450	3.900	6.450	7.950	8.000	
COFFEY STREET					CH 8	5.30					

COFFEY	STREET

	<u> </u>	- 1	in 40-	1 <del>in 3</del> 0						—1 i <del>n 2</del> 0 —	<u>1 in 40</u>		
					2	1 in 30	1 in 30		5				
DATUM R.L.171.0		$\mathbb{N}$											
DESIGN SURFACE LEVEL	172.458	172.457	172.420	172.335	172.225	172.340		172.225	1/2.335	172.462	172.500	172.501	
EXISTING SURFACE LEVEL	172.544	172.544	172.539	172.531	172.530	172.521		172.513	1/2.512	172.506	172.503	172.503	
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	000000000000000000000000000000000000000		3.450	3.900	6.450	7.950	8.000	
COFFEY STREET						CH 9	95.00						

COFFEY STREET

CH 100.00

	BOUNDARY	-					16.00m ROA	D RESERVE					<u>т</u> Boundary
	0.05m ►	I.50n F'PAT		2.55m	0.49   <del>-</del> 		3.45m ►  7.50m CARI	3.45m		45m ►  32	2.55m NATURE STRIP	1.50m F'PATH	0 
		<u>-1 in</u> 4	. <del>0_</del>	<u>1 in 30</u>	$\mathbb{P}$		1 in 30	1 in 30		-  -	- <u>1 i<del>n 2</del>0</u>	<u>1 in 40</u>	
DATUM R.L.171.0 DESIGN SURFACE LEVEL	172.518	172.517	172.479	172.394	172.284		172.399		172.284	172.394	112.522	172.559	172.560
EXISTING SURFACE LEVEL	172.608	172.608	172.603	172.595	-	-	172.585		172.577	172.576	172.567	172.555	
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450		0.000		3.450	3.900	6.450	7.950	8.000

	<del>-1 in 40-</del>		·
		$\leq$	L
171.697	171.734	171.735	
171.859 171.697	171.854 171.734	171.854 171.735	
6.450	7.950	8.000	

 		in 40-	1 in 30		1 in 30	1 in 30		1 iπ <del>20</del>	<u>_1 in 40</u>		
172.018	172.017	171.979	171.894	171.784	171.899	171.784	171.894	172.022	172.059	172.060	
172.14.4	172.144	172.142	172.139	172.138	172.125	172.112	172.111	172.101	172.096	172.096	
-8.000	-7.950	-6.450	-3.900	-3.450	0.000	3.450	3.900	6.450	7.950	8.000	

 PROVENANCE ESTA STAGE 8 ROAD AND DRAINAGE ROAD CROSS SECTIONS - S CITY OF GREATER BENDIGO HUNTLY PROPERTY HOLDIN	<b>HEET 3</b>	
DRAFT	Drg No 309101CR402	Rev A

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0.05m

				Scale								
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А	PRELIMINARY ISSUE	B.I	MAY 2022									
Rev	Amendments	Approved	Date									
1.64		/ pploved	Dale									_

COFFEY STREET

CH 120.00

		11	n 40	1 in 30	<b>n</b>	1 in 30	1 in 30		—1 i <del>n 2</del> 0
					Ц			7	
DATUM R.L.171.0									
DESIGN SURFACE LEVEL	172.693	172.692	172.654	172.569	172.459	172.574	172.459	172.569	L07 CL1
EXISTING SURFACE LEVEL	172.855	172.855	172.849	172.840	172.838	172.796	172.753	172.748	712 621
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	0.00	3.450	3.900	4 1 E N

### COFFEY STREET

CH 125.00

		1 in 40	1 in 30		1 in 30	1 in 30		- <u>1 in 20</u>
DATUM R.L.171.0 DESIGN SURFACE LEVEL	172.721	172.720	172.597	172.487	172.602	172.487	172.597	
EXISTING SURFACE LEVEL	172.921	172.921 172.913	172.898	172.894	172.851	172.808	172.802	
OFFSET	-8.000	-7.950 -6.450	-3.900	-3.450	0.000	3.450	3.900	

### COFFEY STREET

CH 137.50

		1 in 40	1 in 30		1 in 30	1 in 30			<u>1 in 40</u>	<b>-</b>	
DATUM R.L.171.0											
DESIGN SURFACE LEVEL	172.783	<u>112.782</u> 172.745	172.660	172.550	172.665	172.550	172.660	172.787	172.825	172.826	
EXISTING SURFACE LEVEL	172.995	1/2.994	172.957	172.952	172.913	172,877	172.872	172.846	172.830	172.830	
OFFSET	-8.000	-6.450	-3.900	-3.450	0.000	054 E	3.900	6.450	7.950	8.000	

CH 140.00

# COFFEY STREET

		1 in 40	1 in 30	μ	1 in 30	1 in 30	
			_				
DATUM R.L.171.0							
DESIGN SURFACE LEVEL	172.796	172.795 172.757	172.672	172.562	172.677	172.562	
EXISTING SURFACE LEVEL	173.008	173.007 172.993	172.970	172.966	172.929	172.893	
OFFSET	-8.000	-6.450	- 3.900	-3.450	0.000	3.450	





ABN 55 050 029 635

Designed D.SHEEHAN Authorised H.OAKLEY-WARREN

CH 160.00

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Date MAY 2022



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		1	in 40	1 in 30	<u> </u>	1 in 30	1 in 30	
DATUM R.L.171.0								
DESIGN SURFACE LEVEL	172.896	172.895	172.857	172.772	172.662	TTT.271	172.662	
EXISTING SURFACE LEVEL	173.121	173.121	173.107	173.084	173.080	173.041	173.001	
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	0.000	3.450	
			·I					

#### COFFEY STREET

DATUM R.L.171.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

СН	161.30

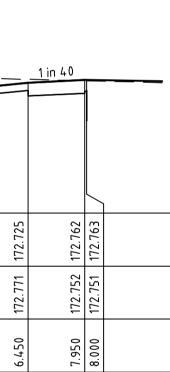
1 in 30

669 779

172

173.007

3.450 3.900



1 in 40

172.734 172.735

172.702 172.702

7.950 8.000

	_1 in 40			
C71.711 111.7	2.752 172.762	2.751 172.763		
7.111	2.752	2.751		

COFFEY	STREET

		1	in 40	1 in 30		1 in 30				1 i <del>n 2</del> 0	<u>1 in 40</u>	<b></b>
					μ	110.50	1 in 30		$\neg$			
DATUM R.L.172.0												
DESIGN SURFACE LEVEL	172.996	172.995	172.957	172.872	172.762	172.877		172.762	172.872	173.000	173.037	173.038
EXISTING SURFACE LEVEL	173.196	173.195	173.181	173.158	173.154	173.110		173.070	173.065	173.036	173.019	173.019
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	000000000000000000000000000000000000000		3.450	3.900	6.450	7.950	8.000
COFFEY STREET						CH 1	80.00					

*9699*.

<u>172.</u>

173.090 173.086

-3.450

1 in 30

1 in 40 1 in 30

172.902 172.901

173.127 173.126

-8.000 -7.950

86 172.

173.113

-6.450

#### COFFEY STREET

	BOUNDARY	-			16.00m ROA	D RESERVE					BOUNDARY	
	0.05m	1.50m F'PATH	NATURE STRIP	0.45 <del>     </del> B2	J.45III	I → 3.45m RIAGEWAY		45m   <del>- -</del> 32	2.55m NATURE STRIP	1.50m F'PATH	BOI	0.05m
		1 in 40	1 in 30	$\mathbb{P}$	1 in 30	1 in 30		4	<u>1 in 20</u>	<u>1 in 40</u>		
DATUM R.L.172.0		$\overline{\ }$									$\mathbb{N}$	
DESIGN SURFACE LEVEL	173.096	173.095 173.057	172.972	172.862	172.977		172.862	172.972	173.100	173.137	173.138	
EXISTING SURFACE LEVEL	173.299	173.298 173.298	173.257	173.252	173.209		173.165	173.159	173.126	173.107	173.106	
OFFSET	-8.000	-7.950	-3.900	-3.450	000.0		3.450	3.900	6.450	7.950	8.000	
COFFEY STREET					CH 2	00.00						

 PROVENANCE EST STAGE 8 ROAD AND DRAINAGE ROAD CROSS SECTIONS - S CITY OF GREATER BENDIGO HUNTLY PROPERTY HOLDIN	<b>SHEET 4</b> O	
DRAFT	<sup>Drg №</sup> 309101CR403	Rev

	-	
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1 in 40

172.944 172.945

172.951 172.950

7.950 8.000

906

172

970

172.

6.450

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Rev	Amendments	Approved	Date	

			in 40	1 in 20	ľ	1 in 30	1 in 30		1 in 20 -
DATUM R.L.171.0									
DESIGN SURFACE LEVEL	172.764	172.763	172.725	172.598	172.488	172.603	172.488	172.598	
EXISTING SURFACE LEVEL	172.891	172.890	172.886	172.875	172.872	172.854	172.835	172.833	
OFFSET	- 8.000	-7.950	-6.450	-3.900	-3.450	000000000000000000000000000000000000000	3.450	3.900	
GARRETT STREE	T					CH	11.90		

DATUM R.L.171.0		5							
DESIGN SURFACE LEVEL	172.723	172.722	172.685	172.557	172.447	172.562	172.447	172.557	
EXISTING SURFACE LEVEL	172.802	172.801	172.794	172.782	172.779	172.760	172.740	172.737	
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	0.000	3.450	3.900	
GARRETT STREE	T				-	CH 2	20.00		

GARRETT STREE	T				LH 4	0.00					
	1	<u>-in 40</u>	<u>1in 20</u>		1 in 30	1 in 30		<u>1 i<del>n 2</del>0</u>	<u>1 i</u> n 40		
DATUM R.L.171.0 DESIGN	23	85	57	.47	62	r	57	85	22	23	
SURFACE LEVEL	172.723 172.723		172.557	172.447	172.562		_			172.723	
EXISTING SURFACE LEVEL	172.802 172.801	172.794	172.782	172.779	172.760		172.737	172.722	172.714	172.713	
OFFSET	-8.000 -7.950	-6.450	-3.900	-3.450	000.0		3.900	6.450	7.950	8.000	

GARRETT	STREET



		1 in 40	1 <u>in 20</u>	L	<u> </u> †in <del>30</del>	<u> </u>	7	1 in 20	1 in 40		
DATUM R.L.171.0 DESIGN	.620 619	581	54	t4	459	344	54	581	61	20 /	
SURFACE LEVEL	172.620 177.619	172.58	172.454	172.344	172.4	172.34	172.454	172.58	172.619	172.620	
EXISTING SURFACE LEVEL	172.574 172.574	172.566	172.555	172.553	172.539	172.524	172.522	172.511	172.505	172.505	
OFFSET	-8.000 -7 95.0	-6.450	-3.900	-3.450	0.000	3.450	3.900	6.450	7.950	8.000	

	CTDEET
GARRETT	SIKEEI

CH 60.00

		1 in 40	1 in 20	L	— _1in 30	1 in 30	7	1 in 20	1 in 40		
DATUM R.L.171.0	Ļ	٦									1
DESIGN SURFACE LEVEL	172.437 177.435	172.398	172.270	172.160	172.275	172.160	172.270	172.398	172.435	172.437	
EXISTING SURFACE LEVEL	172.347 172.347	172.339	172.326	172.323	172.303	172.283	172.281	172.266	172.251	172.250	
OFFSET	-8.000 -7.950	-6.450	-3.900	-3.450	000.0	3.450	3.900	6.450	7.950	8.000	

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172.763 172.764

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172.8 172.8

7.950 8.000

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16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

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Designed D.SHEEHAN Authorised H.OAKLEY-WARREN Checked

Date MAY 2022



	BOUNDAR'	16.00m ROAD RESERVE												
	 	1.50m F'PATH 1 in 40	2.55m NATURE STRIP		→ <u>→</u> →	3.45m 0 RIAGEWAY — — <del>1 in</del> 3 <del>0</del> —	.45n B2	NATURE STRIP	1.50m F'PATH 1 in 40	0.05m				
DATUM R.L.171.0	l													
DESIGN SURFACE LEVEL	172.173	172.172 172.135	172.007	171.897	172.012	171 897	172.007	172.135	172.172	172.173				
EXISTING SURFACE LEVEL	172.169	172.168 172.155	172.133	172.129	172.092	172 059	172.055	172.033	172.021	172.020				
OFFSET	-8.000	-7.950 -6.450	- 3.900	-3.450	000000000000000000000000000000000000000	057 e	3.900	6.450	7.950	8.000				
GARRETT STREE	T				CH 8	80.00								



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#### DYMOCK STREET

CH 11.90

		1 in 40	1 in 20		1 in 30	1 in 30		1 in 20	1 in 40	
DATUM R.L.170.0										
DESIGN SURFACE LEVEL	172.030	172.029 171 qq1	171.864	171.754	171.869	171.754	171.864	171.991	172.029	172.030
EXISTING SURFACE LEVEL	172.344	172.344		172.293	172.250	172.207	172.201	172.169	172.150	172.150
OFFSET	-8.000	-7.950	t  5	-3.450	0.000	3.450	3.900	6.450	7.950	8.000

### DYMOCK STREET

CH 20.00

		1 in 40	1 in 20	2	1 in 30	1 in 30	7	1 in 20	1 în 40		·
DATUM R.L.170.0		<b>1</b>									<u> </u>
DESIGN SURFACE LEVEL	171.989 171.988	171.951	171.823	171.713	171.828	E <i>T</i> 7.171	171.823	171.951	171.988	171.989	
EXISTING SURFACE LEVEL	172.275 172.275	172.255	172.232	172.228	172.202	172.175	172.172	172.152	172.141	172.141	
OFFSET	-8.000 -7.950	-6.450	-3.900	-3.450	0.000	3.450	3.900	6.450	7.950	8.000	

# DYMOCK STREET

			n 40 	1 in 20		1 in 30	1 in 30		1 iπ 20	<u>_1 in 40</u>		
DATUM R.L.170.0											$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
DESIGN SURFACE LEVEL	171.889	171.888	171.851	171.723	171.613	171.728	171.613	171.723	171.851	171.888	171.889	
EXISTING SURFACE LEVEL	172.053	172.052	172.041	172.019	172.015	171.983	171 951	171.947	171.924	171.909	171.909	
OFFSET	-8.000	-7.950	-6.450	-3.900	-3.450	0.000	3 4 5 0	3.900	6.450	7.950	8.000	
DYMOCK STREET	-					CH 4	0.00					

# DYMOCK STREET

CH 60.00

		<u>1 in 40</u>	- <u>1 in 20</u>		1 in 30	<u>1in 30</u>		1 in 20	1 in 40		
DATUM R.L.170.0	l	$\mathbf{i}$								K	
DESIGN SURFACE LEVEL	171.789	171.788 171.751	171.623	171.513	171.628	171.513	171.623	171.751	171.788	171.789	
EXISTING SURFACE LEVEL	171.833	171.833 171.818	171.796	171.792	171.762	171,654	171.614	171.416	171.539	171.543	
OFFSET	-8.000	-7.950 -6.450	- 3.900	-3.450	0.000	3,450	3.900	6.450	7.950	8.000	
						0.00					

file name 309101CR4.00.dwg layout name CR4.05 plotted by Harry Oakley-Warren file location G:\30\309101\Civil\ACAD plot date 06/06/2022 11:27 AM Sheet 11 of



16 BRIDGE STREET BENDIGO VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 ABN 55 050 029 635 spiire.com.au

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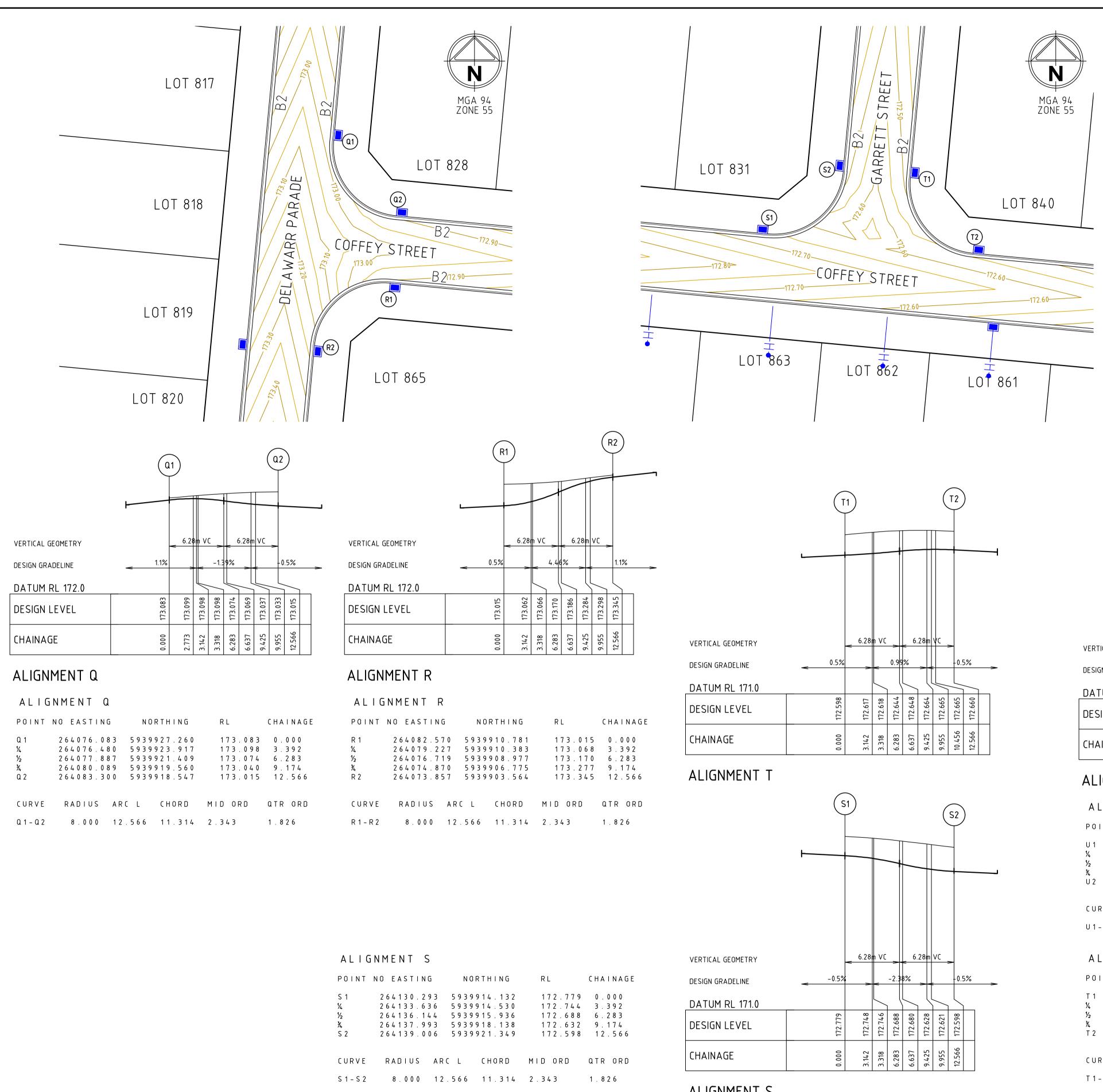
Designed Checked D.SHEEHAN Authorised Date H.OAKLEY-WARREN MAY 2022

# DYMOCK STREET

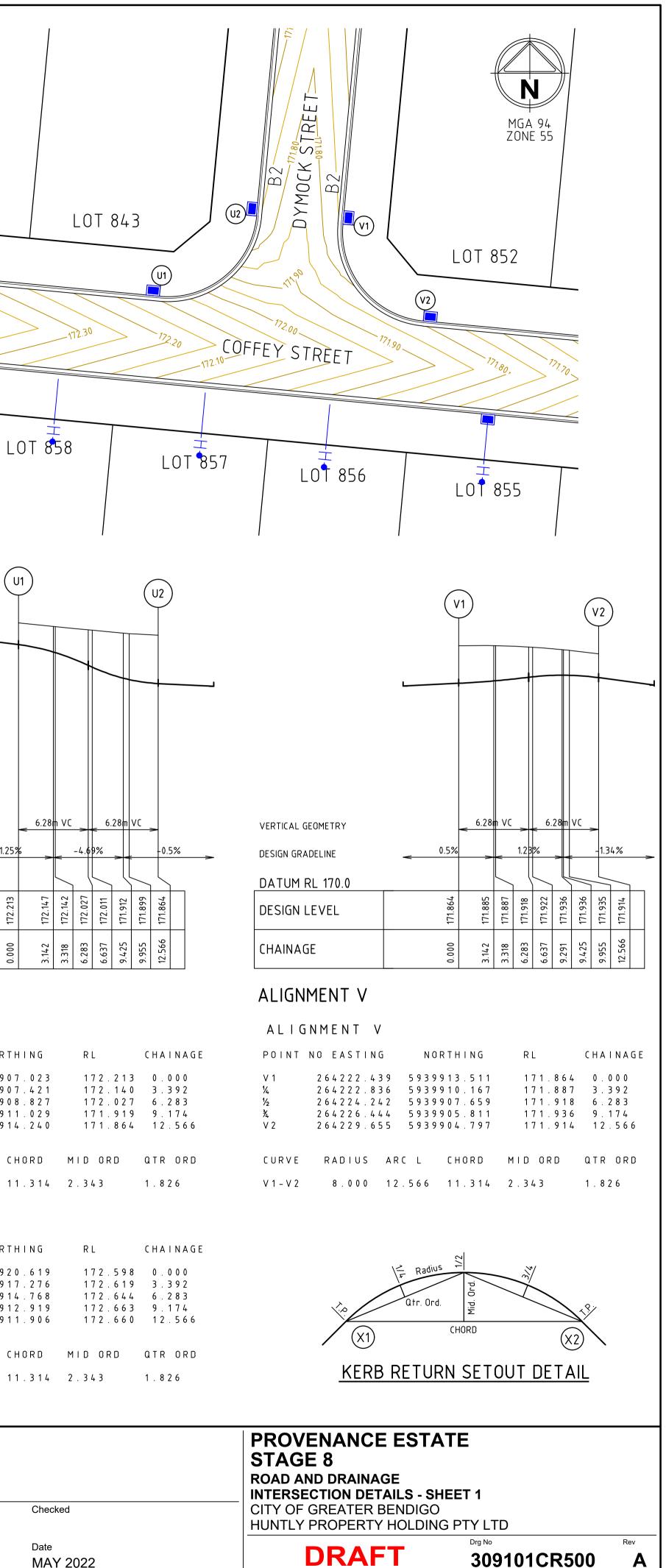
	0.05m	1.50m F'PAT 1 in 4	H NATU	.55m RE STRIP <u>in 20</u>	0.45 B2 F	J.45III	3.45m RIAGEWAY 1in 30	0.45 B2		1.50m F'PATH 1 in 40		<u>0.05m</u>
DATUM R.L.170.0												
DESIGN SURFACE LEVEL	171.689	171.688	171.651	171573	171.413	171.528		171.413	<u>626.111</u> 171.651	171.688	171.689	
EXISTING SURFACE LEVEL	171.643	171.643	171.636	171613	171.608	171.574		171.538	ccc.1/1 702.171	171.492	171.491	
OFFSET	-8.000	-7.950	-6.450	006 E -	-3.450	0.00		3.450	6.450	7.950	8.000	
DYMOCK STREET						СН 8	80.00					

16.00m ROAD RESERVE

PROVENANCE ESTA	ΓE	
ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHI	EET 6	
CITY OF GREATER BENDIGO HUNTLY PROPERTY HOLDING	PTY LTD	
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#### ALIGNMENT S



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VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 spiire.com.au ABN 55 050 029 635

VERTICAL GEOMETRY			6.28	n VC	~	< 6.	28m	۷
DESIGN GRADELINE	~	-1.259	∕° ∧	V	-4.6	9%	٨	J
DATUM RL 170.0								
DESIGN LEVEL		172.213	172.14.7	172.14.2	172.027	172.011	171.912	
CHAINAGE		0.000	3.14.2	3.318	6.283	6.637	6.425	

### ALIGNMENT U

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U 1 – U 2	8.000	12.566	11.314 2	2.343
ALIGNN POINT NO			THING	R L
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<i>1</i> ∕₂ 2	64148.57	75 59399	14.768	172.644
	64150 73	79 50200		
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		38 59399		172.663 172.660
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	64153.98 RADIUS	38 59399 ARCL	11.906	172.660 11D ORD

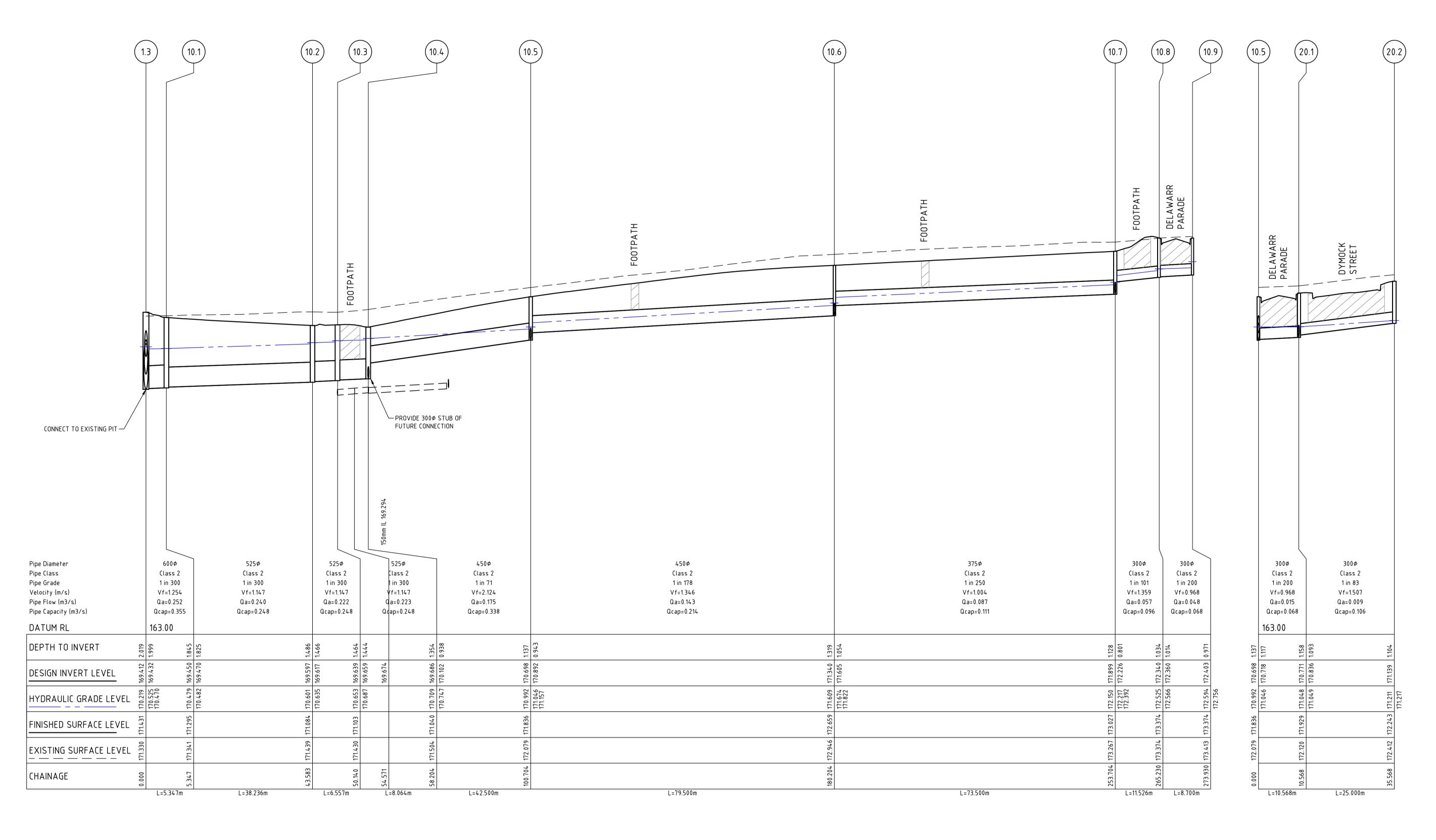
Designed D.SHEEHAN	Checked
Authorised H.OAKLEY-WARREN	Date MAY 2022

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CRUSHED ROCK BACKFILL



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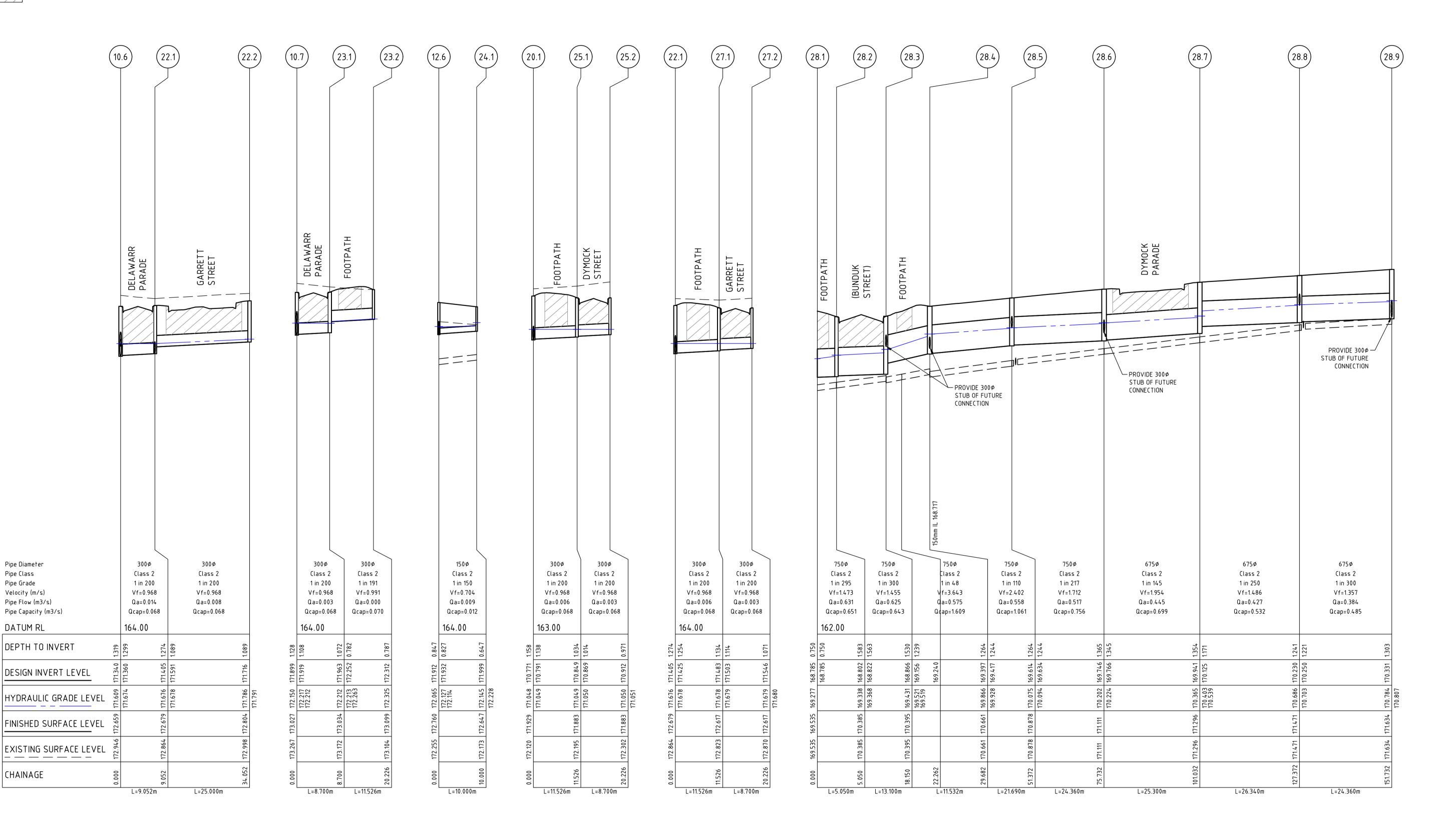
Designed D.SHEEHAN Authorised H.OAKLEY-WARREN Checked

Date MAY 2022 PROVENANCE ESTATE STAGE 8 ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 1 CITY OF GREATER BENDIGO HUNTLY PROPERTY HOLDING PTY LTD Drg No Rev DRAFT 309101CR600

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CRUSHED ROCK BACKFILL



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Date MAY 2022



STAGE 8 ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 2 CITY OF GREATER BENDIGO HUNTLY PROPERTY HOLDING PTY LTD Drg No 30910

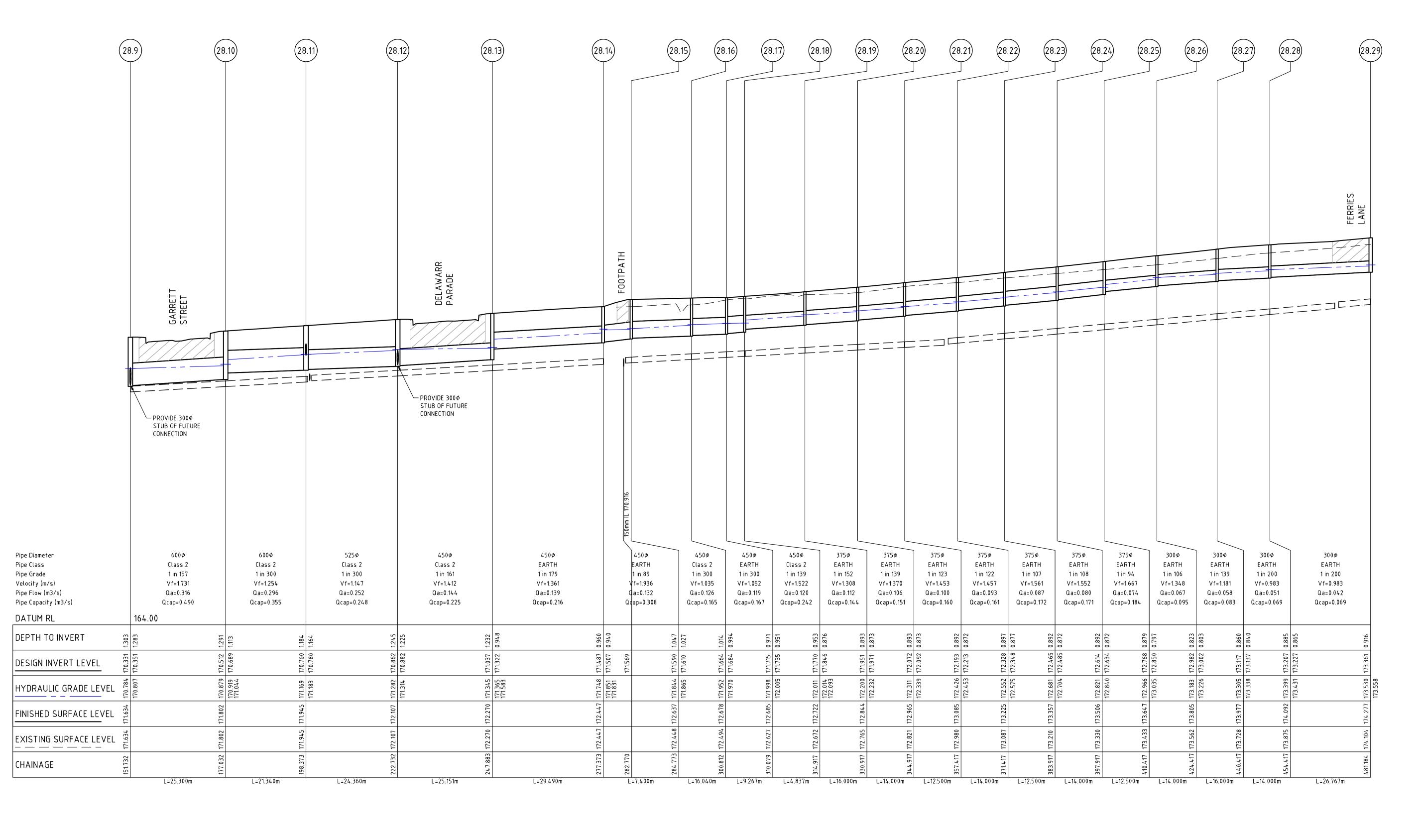
**PROVENANCE ESTATE** 

Rev A

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CRUSHED ROCK BACKFILL



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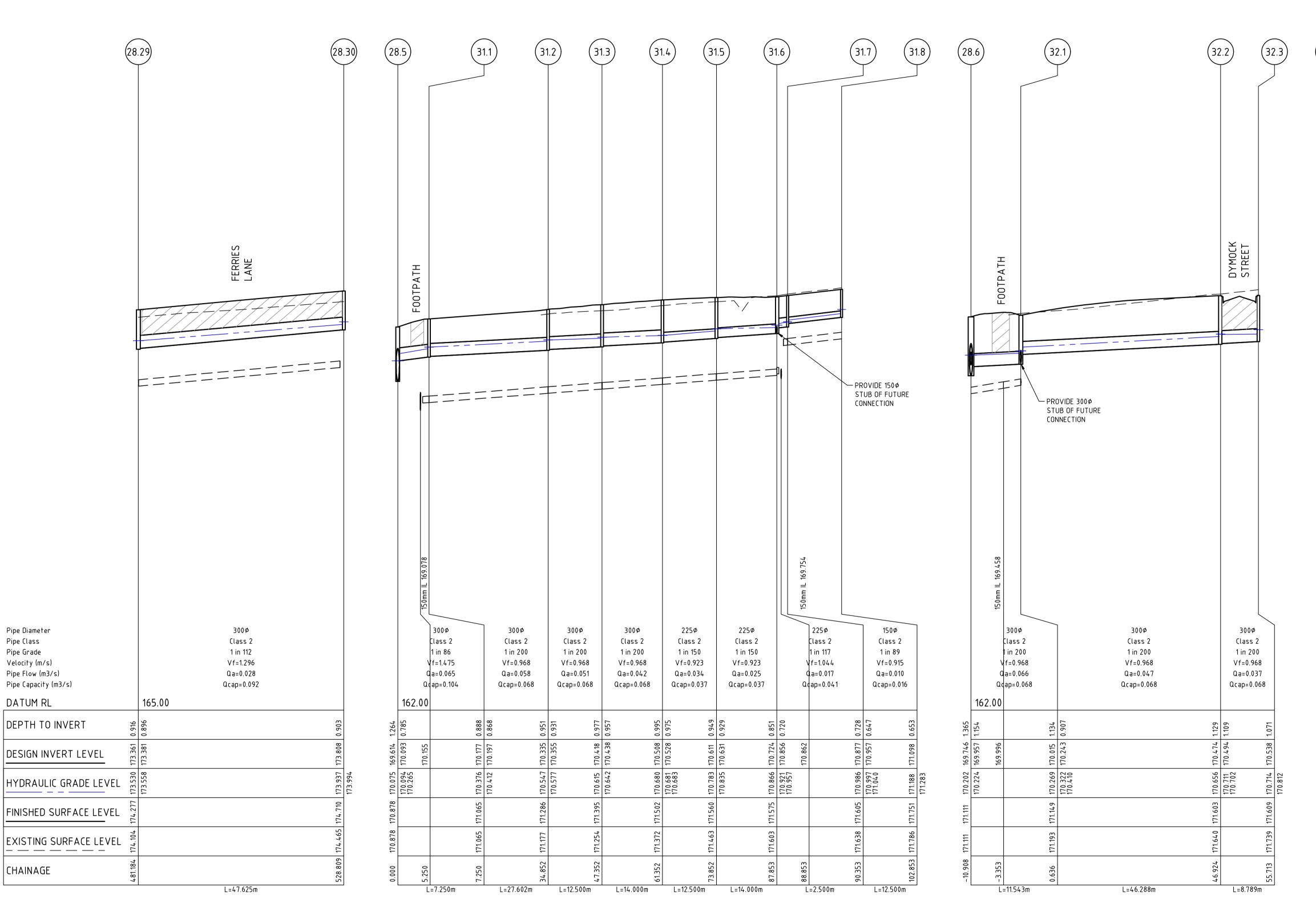
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<sup>Drg №</sup> 309101CR602

Rev A





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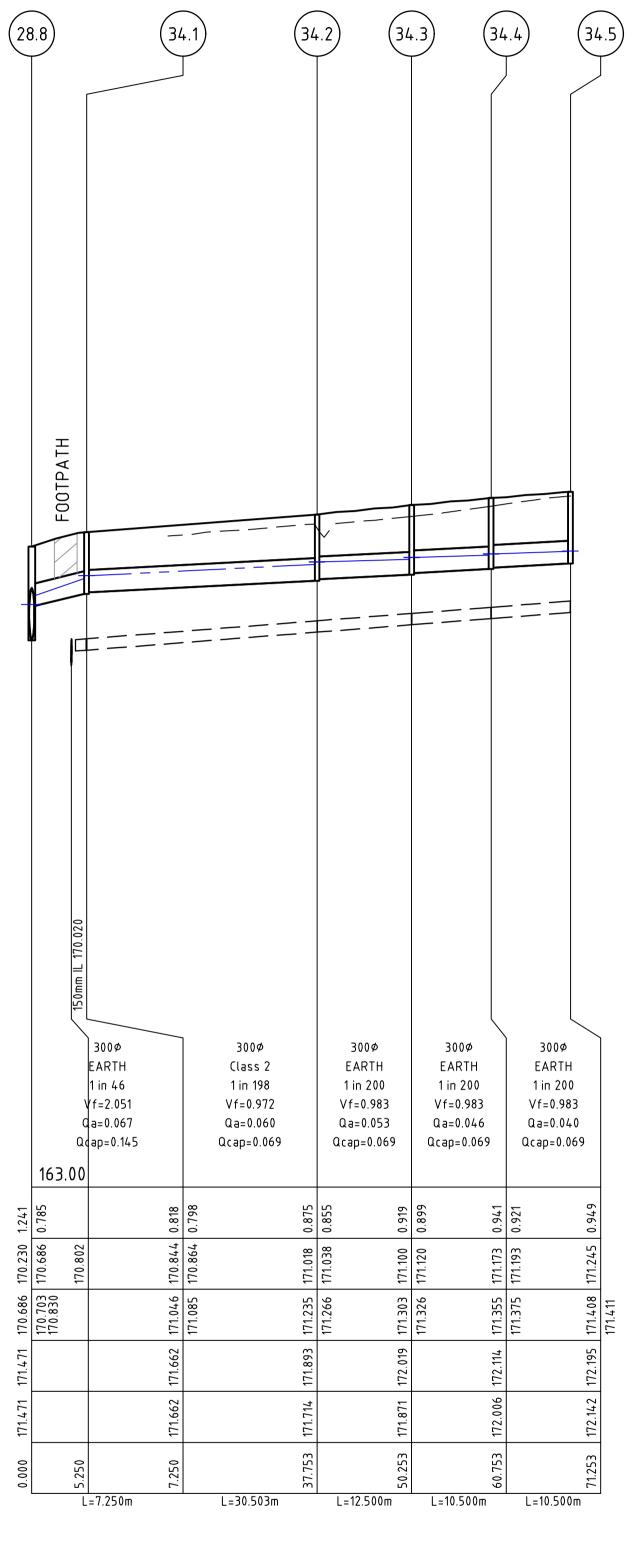
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<sup>Date</sup> MAY 2022



PROVENANCE ESTATE STAGE 8 ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 4 CITY OF GREATER BENDIGO HUNTLY PROPERTY HOLDING PTY LTD

309101CR603

Rev

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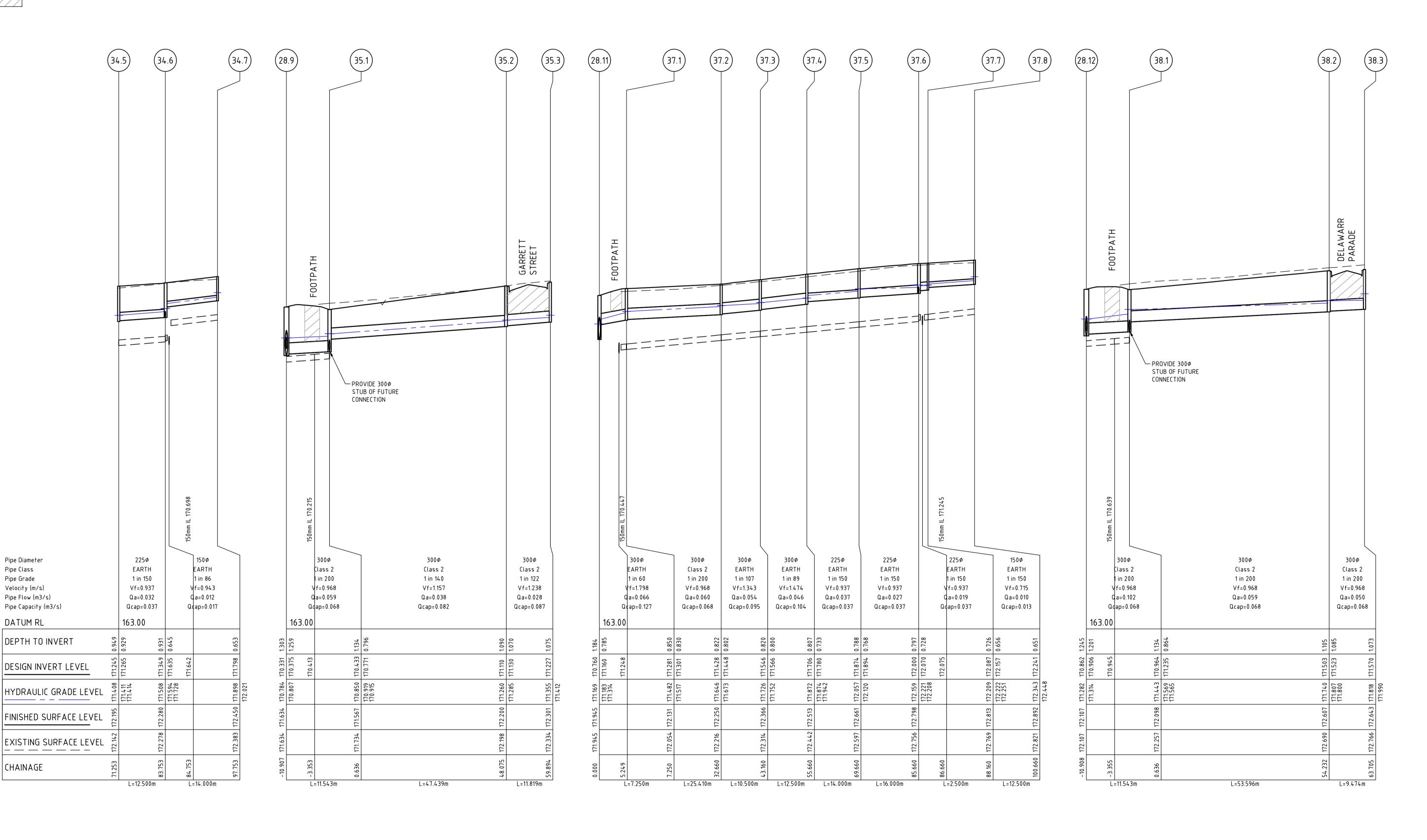
Pipe Diameter

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CHAINAGE

Pipe Class

Pipe Grade



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Date MAY 2022

309101CR604

**STAGE 8** ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 5 CITY OF GREATER BENDIGO HUNTLY PROPERTY HOLDING PTY LTD Drg No

**PROVENANCE ESTATE** 

DRAFT

Rev Α



Pipe Diameter

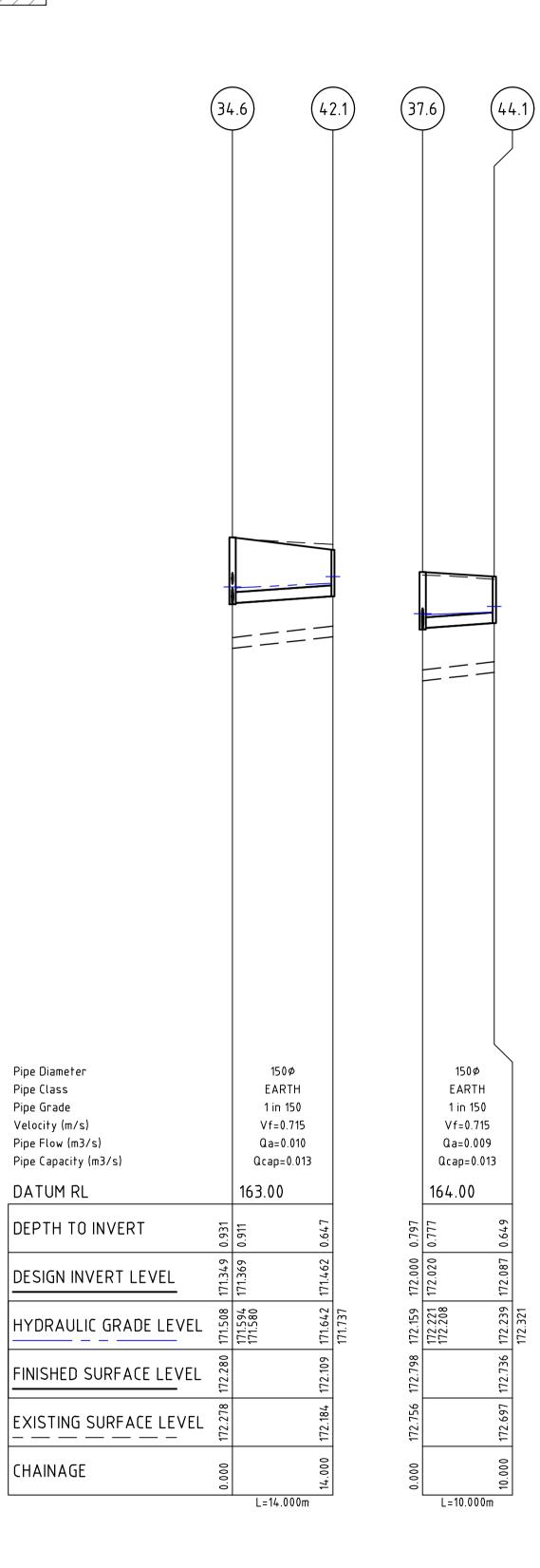
Pipe Flow (m3/s)

DATUM RL

CHAINAGE

Pipe Class

Pipe Grade Velocity (m/s)



				Scale							
				H 1:500 SCALE @ A1	0	5	10	15	20	25	
				V 1:50	0	0.5	1	1.5	2	2.5	
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#### DRAINAGE PIT SCHEDULE

	PIT	INTE	RNAL	11	NLET	οι	JTLET	PI.	Т	REMARKS
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	NETIAM(S
1.3	JUNCTION PIT	1200	1500	900	169.810	1200	169.412	171.431	2.019	CONNECT TO EXISTING PIT
				675	170.273					
				600	169.432					
10.1	SIDE ENTRY PIT	900	1200	525	169.470	600	169.450	171.295	1.845	AS PER IDM SD 430
10.2	SIDE ENTRY PIT	900	1200	525	169.617	525	169.597	171.084	1.486	AS PER IDM SD 430
10.3	JUNCTION PIT	900	1200	525	169.659	525	169.639	171.103	1.464	AS PER IDM SD 420
10.4	SIDE ENTRY PIT	900	1200	450	170.102	525	169.686	171.040	1.354	AS PER IDM SD 430
10.4		000	1200	300	169.706	020	100.000	111.040	1.004	
10.5	SIDE ENTRY PIT	600	900	450	170.892	450	170.698	171.836	1.137	AS PER IDM SD 430
10.0		000	300	300	170.718	400	170.000	171.000	1.107	
10.6	SIDE ENTRY PIT	000	600	375		450	171 240	172.659	1 210	AS PER IDM SD 430
10.6		900	600		171.605	450	171.340	172.059	1.319	AS PER IDM SD 430
				300	171.360					
10.7	SIDE ENTRY PIT	600	900	300	172.226	375	171.899	173.027	1.128	AS PER IDM SD 430
				300	171.919					
10.8	SIDE ENTRY PIT	900	600	300	172.360	300	172.340	173.374	1.034	AS PER IDM SD 430
10.9	SIDE ENTRY PIT	900	600			300	172.403	173.374	0.971	AS PER IDM SD 430
20.1	SIDE ENTRY PIT	600	900	300	170.836	300	170.771	171.929	1.158	AS PER IDM SD 430
				300	170.791					
20.2	SIDE ENTRY PIT	600	900			300	171.139	172.243	1.104	AS PER IDM SD 430
22.1	SIDE ENTRY PIT	600	900	300	171.591	300	171.405	172.679	1.274	AS PER IDM SD 430
				300	171.425					
22.2	SIDE ENTRY PIT	600	900			300	171.716	172.804	1.089	AS PER IDM SD 430
23.1	SIDE ENTRY PIT	600	900	300	172.252	300	171.963	173.034	1.072	AS PER IDM SD 430
23.2	SIDE ENTRY PIT	900	600	200	470.000	300	172.312	173.099	0.787	AS PER IDM SD 430
25.1 25.2	SIDE ENTRY PIT SIDE ENTRY PIT	900 900	600 600	300	170.869	300 300	170.849 170.912	171.883 171.883	1.034 0.971	AS PER IDM SD 430 AS PER IDM SD 430
27.1	SIDE ENTRY PIT	900	600	300	171.503	300	171.483	172.617	1.134	AS PER IDM SD 430
27.2	SIDE ENTRY PIT	900	600			300	171.546	172.617	1.071	AS PER IDM SD 430
28.1		0 1200	0 900	750 750	168.785 168.822	750	168.802	169.535 170.385	0.750	PROVIDE TEMPORARY ENDWALL TO SUIT 750Ø RCP
28.2 28.3	SIDE ENTRY PIT SIDE ENTRY PIT	1200	900	750	169.156	750	168.866	170.385	1.583 1.530	AS PER IDM SD 430 AS PER IDM SD 430
		1200		300	169.601		100.000	110.000		
28.4	GRATED JUNCTION PIT	900	1200	750	169.417	750	169.397	170.661	1.264	AS PER IDM SD 420 WITH GRATE
28.5	JUNCTION PIT	900	1200	300 750	169.548 169.634	750	169.614	170.878	1.264	AS PER IDM SD 420
20.5		900	1200	300	170.093	750	109.014	170.070	1.204	
28.6	GRATED JUNCTION PIT	900	1200	675	169.766	750	169.746	171.111	1.365	AS PER IDM SD 420 WITH GRATE
				300	169.957					
28.7	SIDE ENTRY PIT	900	1200	300 675	169.999 170.125	675	169.941	171.296	1.354	AS PER IDM SD 430
28.8	JUNCTION PIT	900	1200	675	170.250	675	170.230	171.471	1.241	AS PER IDM SD 430
				300	170.686					
28.9	GRATED JUNCTION PIT	900	1200	600	170.351	675	170.331	171.634	1.303	AS PER IDM SD 420 WITH GRATE
				300 300	170.375 170.521					
28.10	SIDE ENTRY PIT	900	1200	600	170.689	600	170.512	171.802	1.291	AS PER IDM SD 430
28.11	JUNCTION PIT	900	1200	525	170.780	600	170.760	171.945	1.184	AS PER IDM SD 420
20.40		000	1000	300	171.160	EOE	170.960	470 407	1 045	
28.12	SIDE ENTRY PIT	900	1200	450 300	170.882 170.906	525	170.862	172.107	1.245	AS PER IDM SD 430
				300	170.994					
28.13	SIDE ENTRY PIT	600	900	450	171.322	450	171.037	172.270	1.232	AS PER IDM SD 430
28.14	GRATED JUNCTION PIT	900	600	450	171.507	450	171.487	172.447	0.960	AS PER CoGB SD 27 WITH GRATE
28.15 28.16	GRATED JUNCTION PIT GRATED JUNCTION PIT	900 900	600 600	450 450	171.610 171.684	450 450	171.590 171.664	172.637 172.678	1.047 1.014	AS PER CoGB SD 27 WITH GRATE AS PER CoGB SD 27 WITH GRATE
28.17	JUNCTION PIT	900	600	450	171.735	450	171.715	172.685	0.971	AS PER CoGB SD 27
28.18	GRATED JUNCTION PIT	900	600	375	171.846	450	171.770	172.722	0.953	AS PER CoGB SD 27 WITH GRATE
28.19 28.20	GRATED JUNCTION PIT GRATED JUNCTION PIT	900 900	600 600	375 375	171.971 172.092	375 375	171.951 172.072	172.844 172.965	0.893	AS PER CoGB SD 27 WITH GRATE AS PER CoGB SD 27 WITH GRATE
28.20	GRATED JUNCTION PIT	900	600	375	172.092	375	172.072	172.965	0.893	AS PER COGB SD 27 WITH GRATE
28.22	GRATED JUNCTION PIT	900	600	375	172.348	375	172.328	173.225	0.897	AS PER CoGB SD 27 WITH GRATE
28.23	GRATED JUNCTION PIT	900	600	375	172.485	375	172.465	173.357	0.892	AS PER CoGB SD 27 WITH GRATE
28.24 28.25	GRATED JUNCTION PIT GRATED JUNCTION PIT	900 900	600 600	375 300	172.634 172.850	375 375	172.614 172.768	173.506 173.647	0.892	AS PER CoGB SD 27 WITH GRATE AS PER CoGB SD 27 WITH GRATE
28.25	GRATED JUNCTION PIT	900	600	300	172.850	375	172.768	173.805	0.879	AS PER COGB SD 27 WITH GRATE
28.27	GRATED JUNCTION PIT	900	600	300	173.137	300	173.117	173.977	0.860	AS PER CoGB SD 27 WITH GRATE
28.28	GRATED JUNCTION PIT	900	600	300	173.227	300	173.207	174.092	0.885	AS PER CoGB SD 27 WITH GRATE
28.29	GRATED JUNCTION PIT	600	900	300	173.381	300	173.361	174.277	0.916	AS PER CoGB SD 27 WITH GRATE
28.30	GRATED JUNCTION PIT	900	600			300	173.808	174.710	0.903	AS PER CoGB SD 27 WITH GRATE



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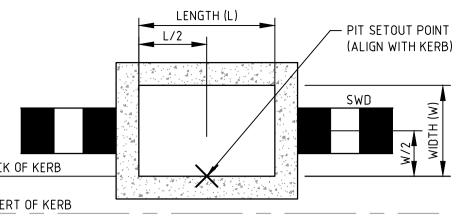
Designed D.SHEEHAN Authorised H.OAKLEY-WARREN Checked

Date MAY 2022



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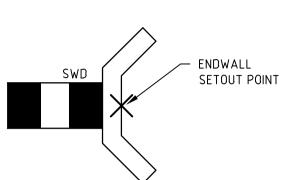


#### DRAINAGE NOTES

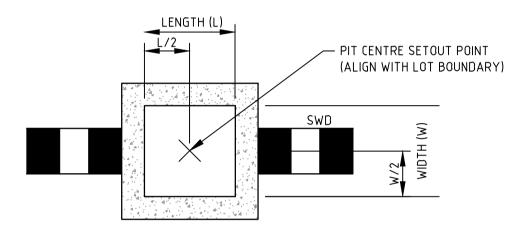
- 1. ALL DRAINAGE PIPES & PITS ARE TO BE AT 1m OFFSET TO PROPERTY BOUNDARIES UNLESS SHOWN OTHERWISE
- 2. THE CONTRACTOR MUST CONTACT SERVICING AUTHORITIES TO ARRANGE SERVICE LOCATIONS PRIOR TO COMMENCEMENT OF EXCAVATION FOR THIS PROJECT
- 3. PITS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE MUNICIPALITY. STEEL GRATES ARE TO BE HOT DIP GALVANISED AFTER MANUFACTURE. THE TOP OF ALL GRATES MUST BE APPROXIMATELY 150mm BELOW THE SURROUNDING SURFACE LEVEL. PROPERTY DRAINAGE CONNECTIONS ARE TO BE PROVIDED AS NECESSARY.
- 4. ALL SIDE ENTRY PITS IN ROLLOVER KERB & CHANNEL ARE TO BE CONSTRUCTED USING AN APPROVED ROLLOVER TYPE LINTEL OR A REINFORCED ROLLOVER PROFILE PIT LID. STANDARD SQUARE PROFILE PIT LIDS WITHOUT LINTEL ARE NOT ACCEPTABLE.
- 5. TRENCHES WITHIN PAVEMENT OR FOOTPATH AREAS ARE TO BE BACKFILLED WITH 3% CEMENT STABILISED CLASS 1 FCR. THE TRENCH IS TO BE BACKFILLED IN 150MM LAYERS AND CONSOLIDATED.
- 6. ALL PIPE STUBS ARE TO CONSIST OF ONE FULL PIPE LENGTH UNLESS SHOWN OTHERWISE.
- 7. FINISHED LEVELS FOR SIDE ENTRY PITS MUST BE DETERMINED FROM KERB LEVELS AND SHOULD BE SLOPED TO SUIT NATURESTRIPS ETC. THE FSLS INDICATED IN THE PIT SCHEDULE ARE NOT KERB LEVELS.
- 8. STEP IRONS ARE NOT REQUIRED IN DRAINAGE PITS.
- 9. CONCRETE PIPES ARE TO BE CLASS 2 FJ RCP AND PVC PIPES ARE TO BE CLASS SN8 UNLESS OTHERWISE NOTED.
- 10. ALL EXCAVATIONS FOR DRAINAGE WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE VICTORIAN WORK COVER AUTHORITY.
- 11. REINFORCEMENT BARS SHALL COMPLY WITH AS4671, GRADE 400Y. LAPS IN REINFORCEMENT BARS SHALL BE 300 MIN. AND CLEAR COVER 50 MIN.
- 12. CONCRETE SHALL BE NORMAL CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS1379.
- 13. ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF AS3600.
- 14. DIRECT CONNECTION OF PVC HOUSE DRAIN TO RCP DRAINAGE TO BE CONSTRUCTED WITH "CONCONECT" OR APPROVED EQUIVALENT FITTING. 150mmø PVC PIPES ARE NOT TO BE DIRECTLY CONNECTED TO CONCRETE PIPES LESS THAN 450mmø IN DIAMETER. 100mmø HOUSE CONNECTION PIPE TO BE USED FOR ALL LOTS IN STAGE.
- 15. WHERE PVC HOUSE CONNECTIONS ARE MADE DIRECTLY TO PIPES, THE HOUSE CONNECTION IS TO BE RAISED TO SURFACE LEVEL WITHIN THE PROPERTY AND CAPPED AS PER SD520.
- 16. COMPACTION REQUIREMENTS ANY BACKFILL WITHIN 1m OF A COUNCIL ASSET (EG FOOTPATH OR ROAD) IS REQUIRED TO BE FCR. ALTERNATIVELY OTHER FILL MATERIAL CAN BE USED PROVIDED COMPACTION TESTS ARE CARRIED OUT TO ENSURE 95% COMPACTION IS ACHIEVED. TESTS TO BE CARRIED OUT AT A MINIMUM OF 1 PER 60m OF TRENCH.

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#### TYPICAL ENDWALL SETOUT POINT 'B' ENDWALL NOT TO SCALE



#### TYPICAL DRAINAGE PIT SETOUT POINT 'C'

JUNCTION PIT/ EASEMENT PIT NOT TO SCALE

#### PIT SETOUT CO-ORDINATES

NAME	POINT	EASTING	NORTHING
10.1	А	264279.542	5939841.109
10.2	А	264283.118	5939879.178
10.3	А	264283.732	5939885.706
28.1	С	264312.988	5940008.289
28.2	А	264307.101	5940008.842
28.3	А	264295.403	5940009.941
28.4	А	264287.431	5940019.552
28.5	А	264265.833	5940021.553
28.6	А	264241.578	5940023.800
28.7	А	264216.385	5940026.133
28.8	А	264190.157	5940028.562
28.9	А	264165.901	5940030.809
28.10	А	264140.709	5940033.142
28.11	А	264119.460	5940035.111
28.12	А	264095.204	5940037.357
28.13	А	264070.154	5940039.602
28.14	А	264040.790	5940042.322
28.15	В	264040.056	5940034.506
28.16	В	264038.556	5940018.537
28.17	В	264037.689	5940009.311
28.29	В	264022.691	5939838.967
28.30	В	264018.236	5939791.551
31.1	В	264265.093	5940013.664
34.1	В	264189.417	5940020.673
37.1	В	264118.719	5940027.220

				Scale
				AS SHOWN
١	PRELIMINARY ISSUE	B.I	MAY 2022	
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# DRAINAGE PIT SCHEDULE

	PIT	INTE	RNAL	II	NLET	οι	JTLET	PI	Г	
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	REMARKS
31.1	GRATED JUNCTION PIT	900	600	300	170.197	300	170.177	171.065	0.888	AS PER CoGB SD 27 WITH GRATE
31.2	GRATED JUNCTION PIT	900	600	300	170.355	300	170.335	171.286	0.951	AS PER CoGB SD 27 WITH GRATE
31.3	GRATED JUNCTION PIT	900	600	300	170.438	300	170.418	171.395	0.977	AS PER CoGB SD 27 WITH GRATE
31.4	GRATED JUNCTION PIT	900	600	225	170.528	300	170.508	171.502	0.995	AS PER CoGB SD 27 WITH GRATE
31.5	GRATED JUNCTION PIT	900	600	225	170.631	225	170.611	171.560	0.949	AS PER CoGB SD 27 WITH GRATE
31.6	GRATED JUNCTION PIT	600	900	225	170.856	225	170.724	171.575	0.851	AS PER CoGB SD 27 WITH GRATE
				150	170.744					
31.7	GRATED JUNCTION PIT	450	450	150	170.957	225	170.877	171.605	0.728	AS PER CoGB SD 24
31.8	GRATED JUNCTION PIT	450	450			150	171.098	171.751	0.653	AS PER CoGB SD 24
32.1	SIDE ENTRY PIT	600	900	300	170.243	300	170.015	171.149	1.134	AS PER IDM SD 430
				300	170.035					
32.2	SIDE ENTRY PIT	900	600	300	170.494	300	170.474	171.603	1.129	AS PER IDM SD 430
32.3	SIDE ENTRY PIT	900	600			300	170.538	171.609	1.071	AS PER IDM SD 430
34.1	GRATED JUNCTION PIT	900	600	300	170.864	300	170.844	171.662	0.818	AS PER CoGB SD 27 WITH GRATE
34.2	GRATED JUNCTION PIT	900	600	300	171.038	300	171.018	171.893	0.875	AS PER CoGB SD 27 WITH GRATE
34.3	GRATED JUNCTION PIT	900	600	300	171.120	300	171.100	172.019	0.919	AS PER CoGB SD 27 WITH GRATE
34.4	GRATED JUNCTION PIT	900	600	300	171.193	300	171.173	172.114	0.941	AS PER CoGB SD 27 WITH GRATE
34.5	GRATED JUNCTION PIT	900	600	225	171.265	300	171.245	172.195	0.949	AS PER CoGB SD 27 WITH GRATE
34.6	GRATED JUNCTION PIT	600	900	150	171.635	225	171.349	172.280	0.931	AS PER CoGB SD 27 WITH GRATE
				150	171.369					
34.7	GRATED JUNCTION PIT	450	450			150	171.798	172.450	0.653	AS PER CoGB SD 24
35.1	SIDE ENTRY PIT	600	900	300	170.771	300	170.433	171.567	1.134	AS PER IDM SD 430
				300	170.453					
35.2	SIDE ENTRY PIT	900	600	300	171.130	300	171.110	172.200	1.090	AS PER IDM SD 430
35.3	SIDE ENTRY PIT	900	600			300	171.227	172.301	1.075	AS PER IDM SD 430
37.1	GRATED JUNCTION PIT	900	600	300	171.301	300	171.281	172.131	0.850	AS PER CoGB SD 27 WITH GRATE
37.2	GRATED JUNCTION PIT	900	600	300	171.448	300	171.428	172.250	0.822	AS PER CoGB SD 27 WITH GRATE
37.3	GRATED JUNCTION PIT	900	600	300	171.566	300	171.546	172.366	0.820	AS PER CoGB SD 27 WITH GRATE
37.4	GRATED JUNCTION PIT	900	600	225	171.780	300	171.706	172.513	0.807	AS PER CoGB SD 27 WITH GRATE
37.5	GRATED JUNCTION PIT	900	600	225	171.894	225	171.874	172.661	0.788	AS PER CoGB SD 27 WITH GRATE
37.6	GRATED JUNCTION PIT	600	900	225	172.070	225	172.000	172.798	0.797	AS PER CoGB SD 27 WITH GRATE
				150	172.020					
37.7	GRATED JUNCTION PIT	450	450	150	172.157	225	172.087	172.813	0.726	AS PER CoGB SD 24
37.8	GRATED JUNCTION PIT	450	450			150	172.241	172.892	0.651	AS PER CoGB SD 24
38.1	SIDE ENTRY PIT	600	900	300	171.235	300	170.964	172.098	1.134	AS PER IDM SD 430
				300	170.984					
38.2	SIDE ENTRY PIT	900	600	300	171.523	300	171.503	172.607	1.105	AS PER IDM SD 430
38.3	SIDE ENTRY PIT	900	600			300	171.570	172.643	1.073	AS PER IDM SD 430
42.1	GRATED JUNCTION PIT	450	450			150	171.462	172.109	0.647	AS PER CoGB SD 24
44.1	DEPRESSED GRATED PIT	450	450			150	172.087	172.736	0.649	AS PER CoGB SD 24



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Designed D.SHEEHAN Authorised H.OAKLEY-WARREN Checked

Date MAY 2022



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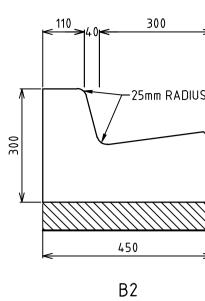
Rev

#### DESIGN PAVEMENT PROFILE

PAVEMENT LAYER	DESCRIPTION	TYPE A*
ASPHALT SEAL	SIZE 10 TYPE N WITH PRIME	30
BASE COURSE	20mm NOMINAL SIZE CLASS 1 OR 2 FCR, COMPACTED TO AT LEAST 98% MODIFIED MAXIMUM DRY DENSITY	110
	UPPER PAVEMENT TOTAL	140
SUBBASE	20mm OR 40mm NOMINAL SIZE CLASS 3 OR 4 FCR, MIN CBR 30 COMAPCTED TO AT LEAST 98% MODIFIED MAXIMUM DRY DENSITY	120
STABILISED SUBGRADE	STABILISED WITH 3% LIME AND 1% CEMENT COMPACTED TO A MINIMUM DENSITY RATIO OF 98% STANDARD	200
	TOTAL PAVEMENT DEPTH	260

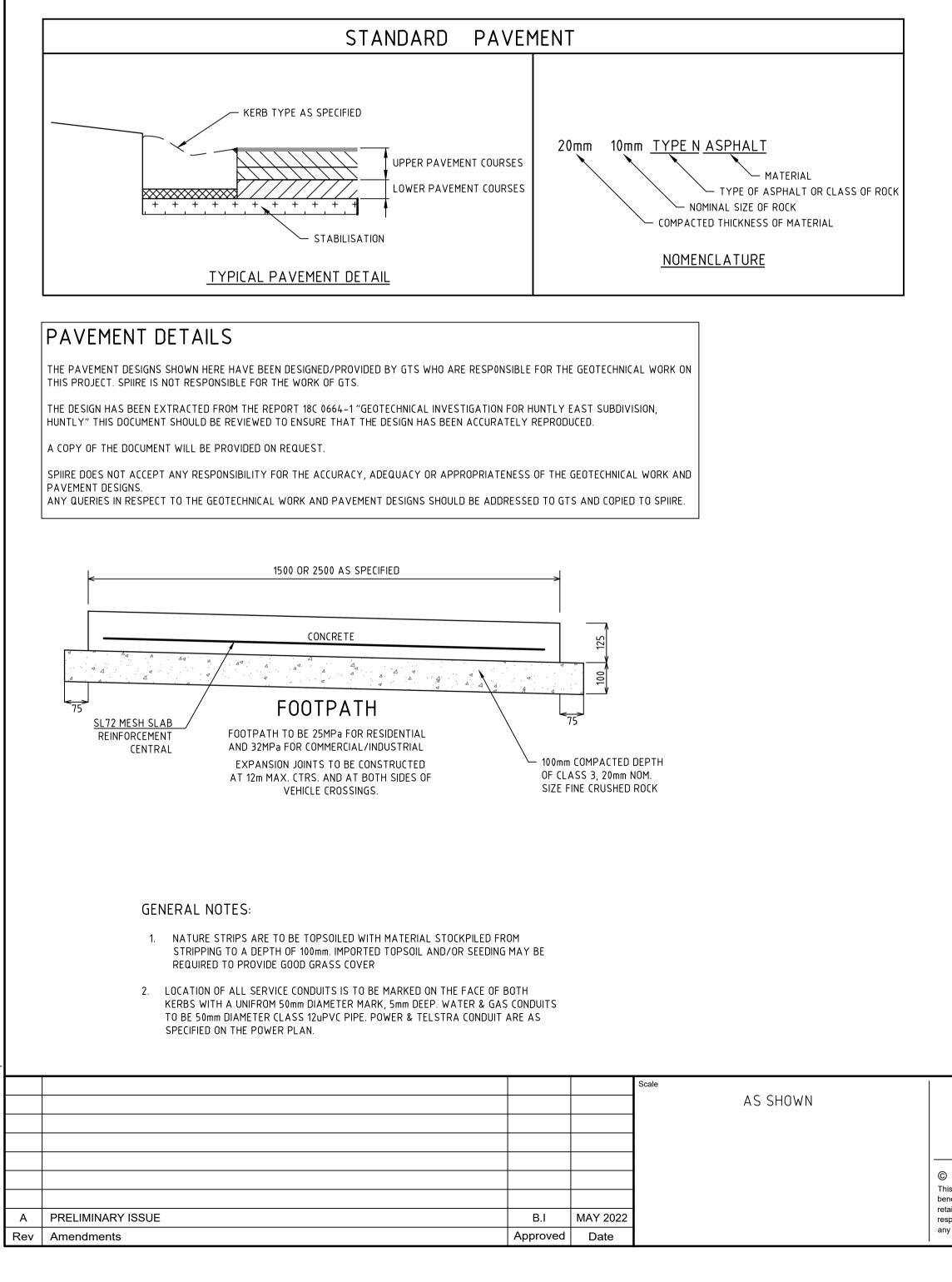
\* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES PAVEMENT B AS PER IDM SD250 INDUSTRIAL DRIVEWAY

ROAD NAME	TYPE
DELAWARR PARADE	А
COFFEY STREET	А
GARRETT STREET	А
DYMOCK STREET	А

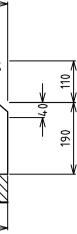


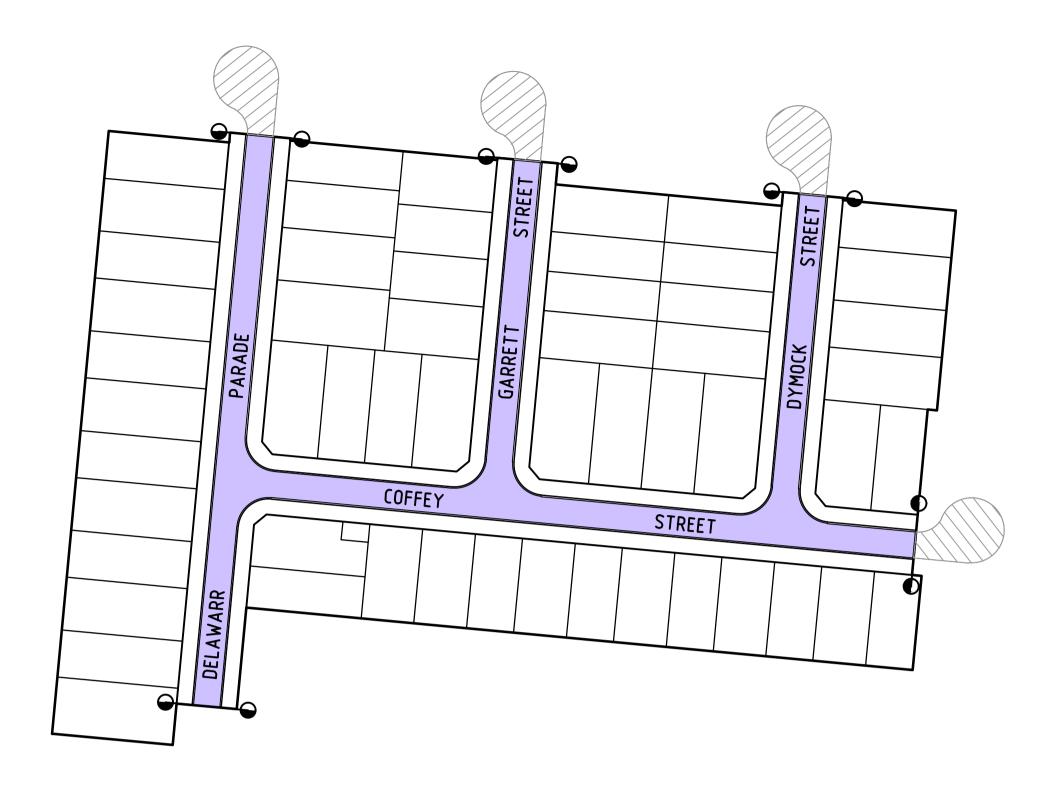
STANDARD KERB PROFILES

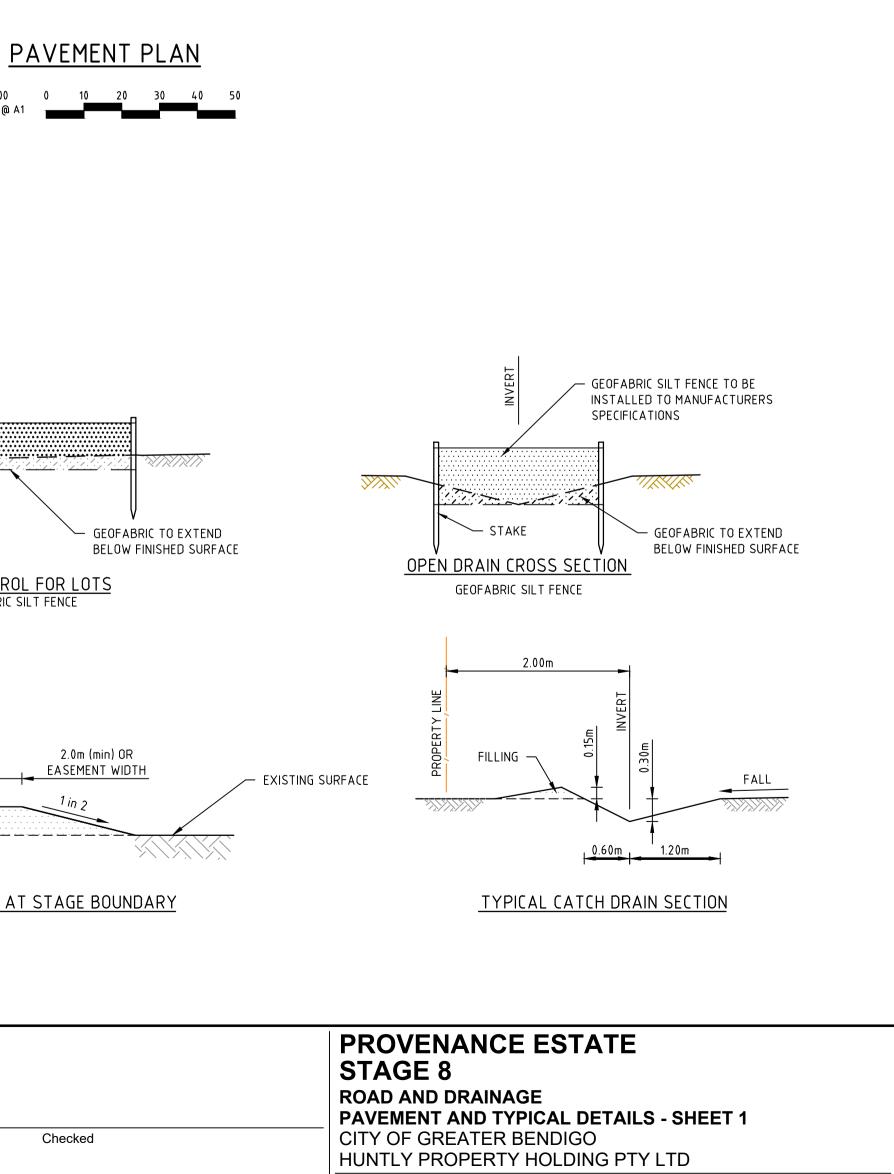
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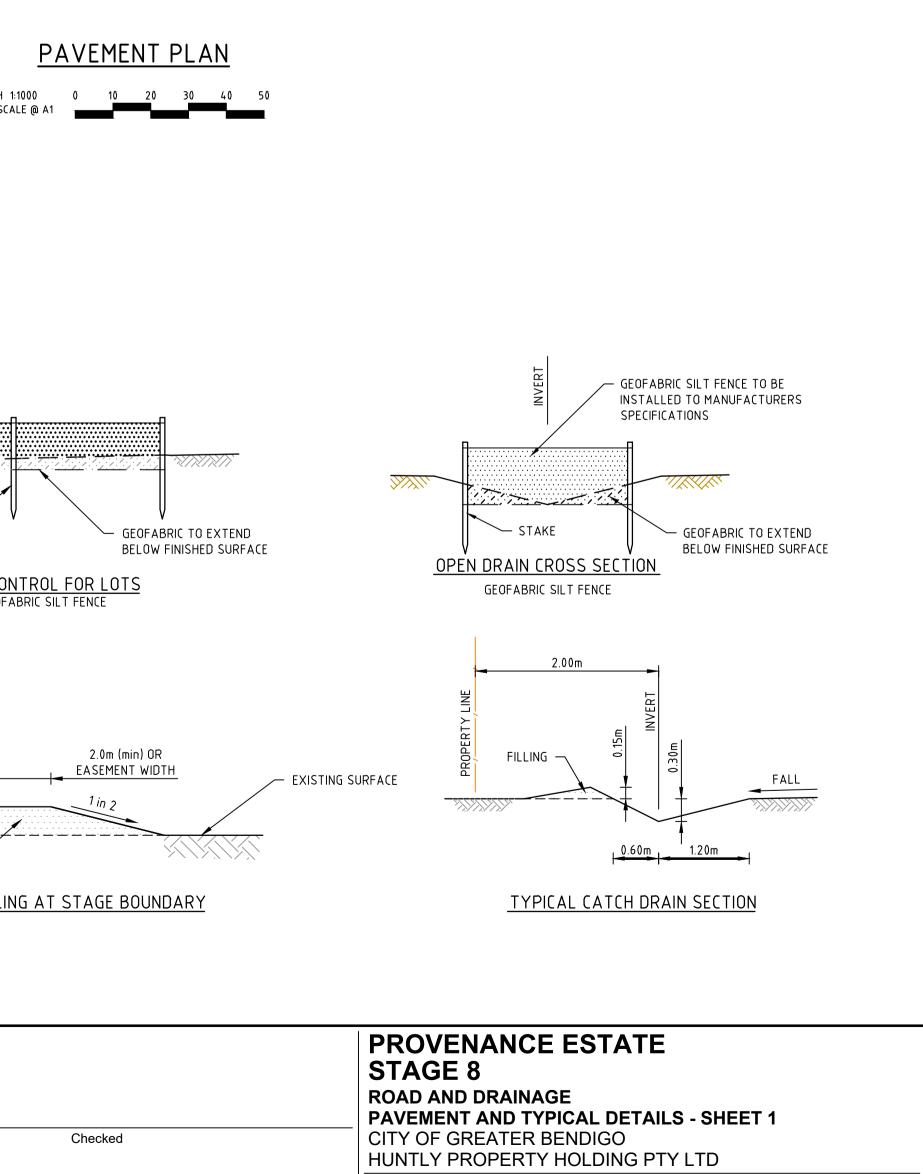


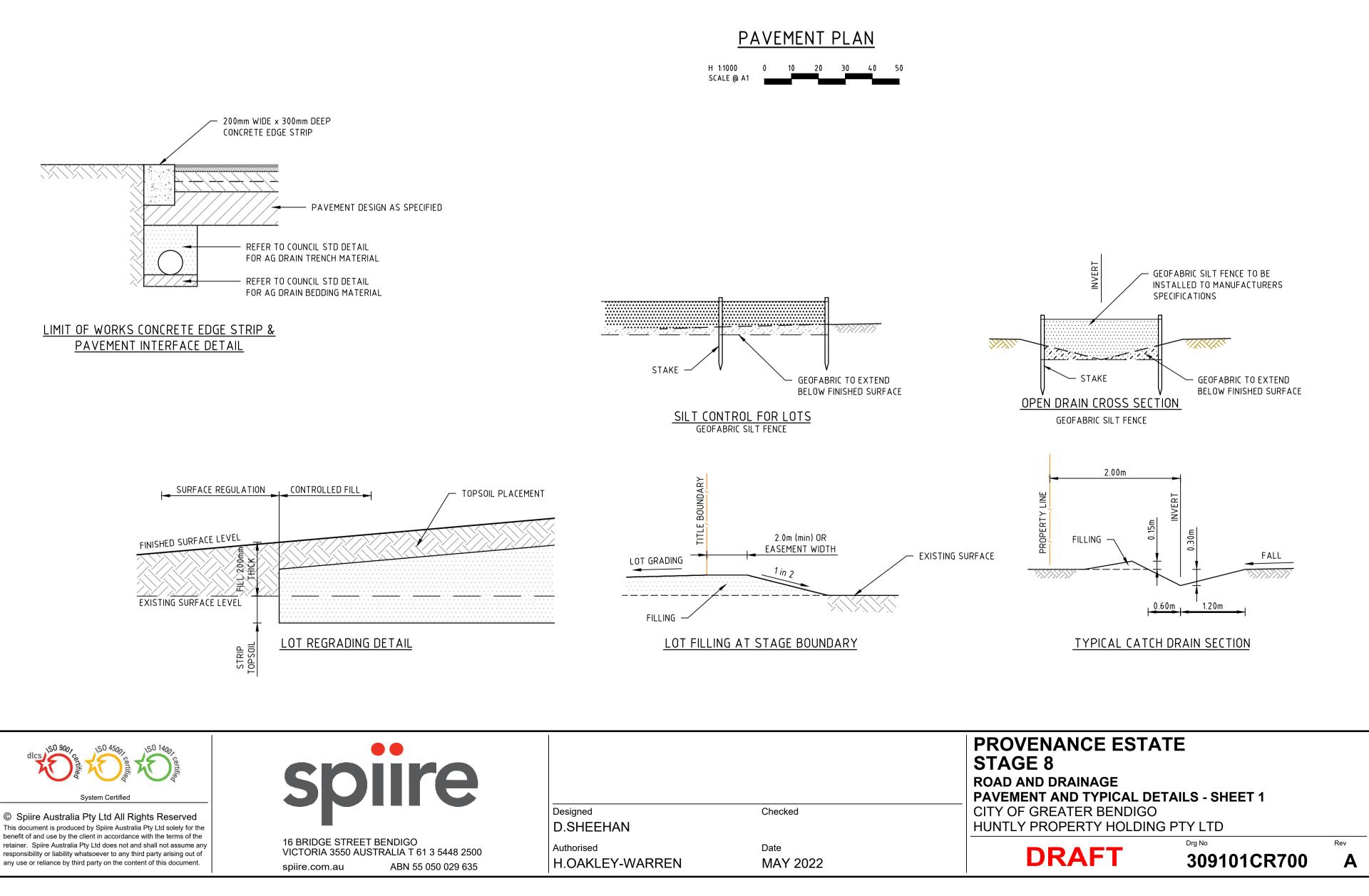
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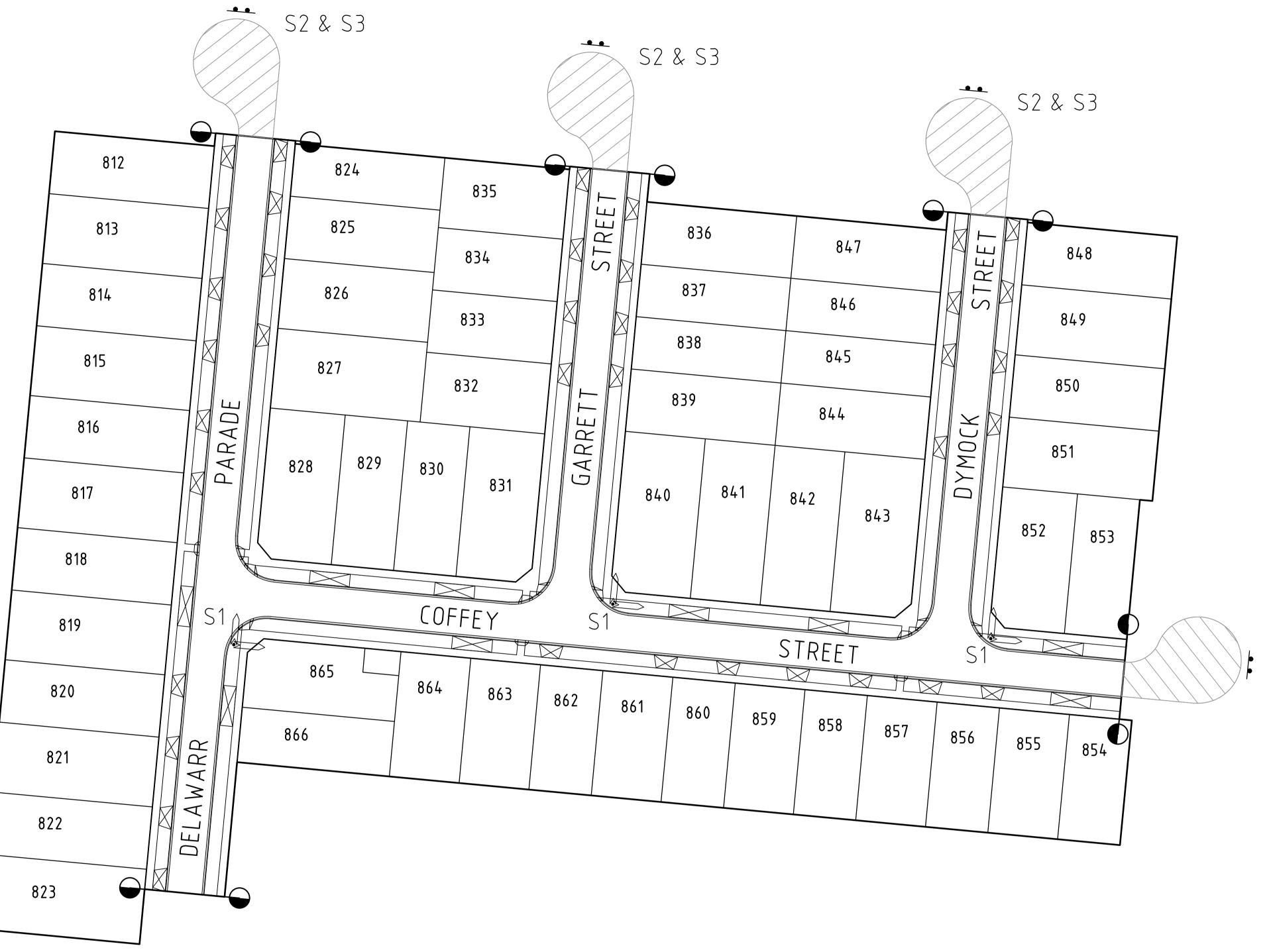


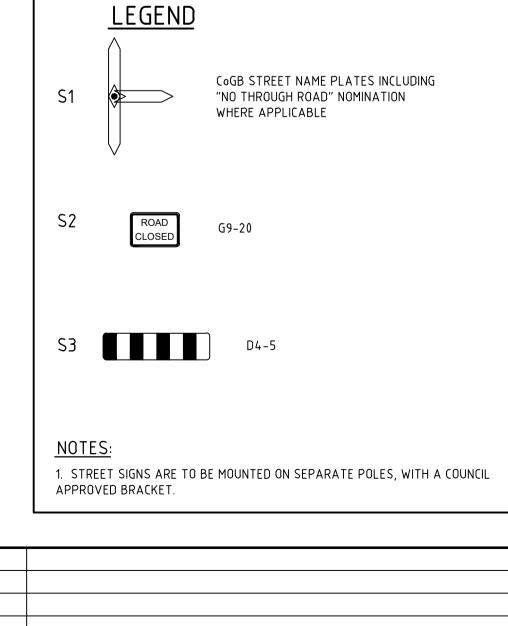












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А	PRELIMINARY ISSUE	B.I	MAY 2022						
Rev	Amendments	Approved	Date						

plotted by Harry Oakley-Warren 06/06/2022 11:28 AM Sheet 21 of ne CR800 plot date



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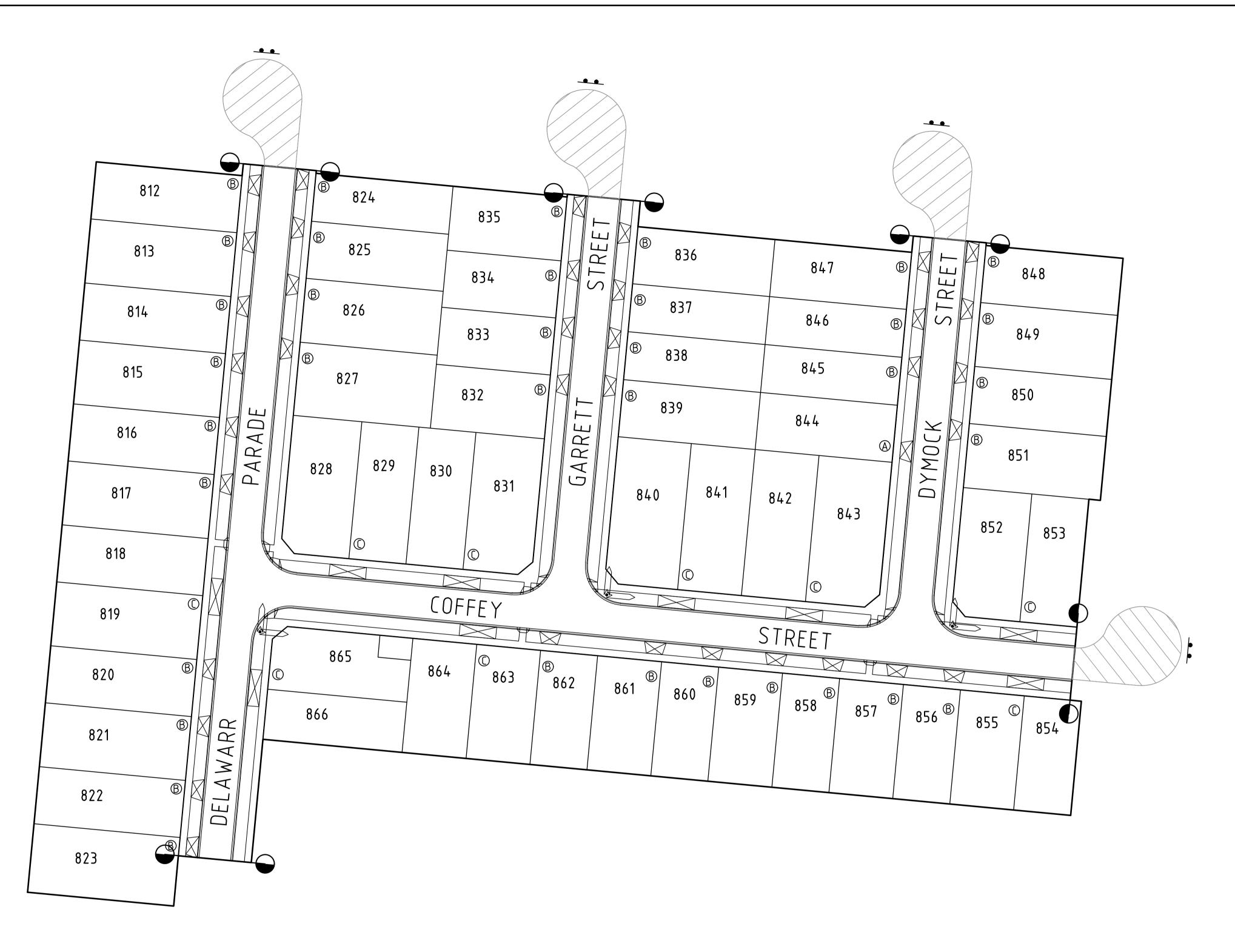
Designed D.SHEEHAN Authorised H.OAKLEY-WARREN Checked

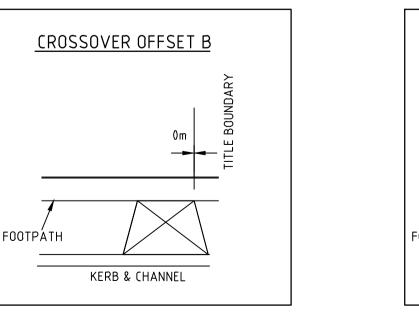
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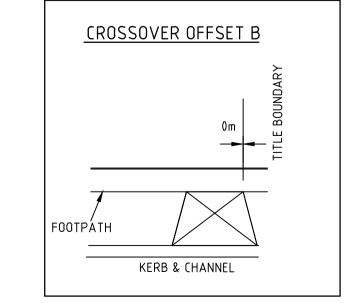


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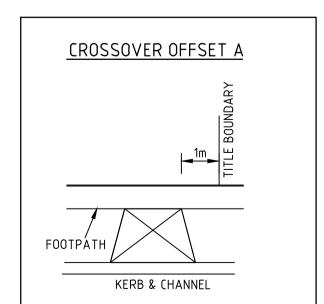


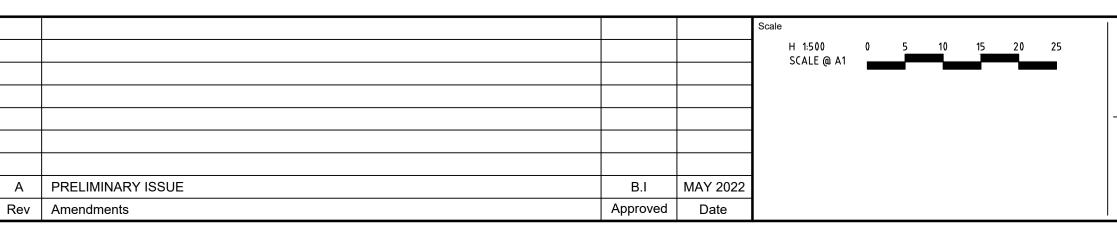




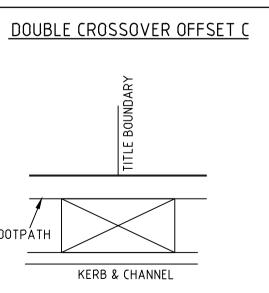








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