

EXISTING CARPARK RECONSTRUCTION WORKS: ALMA TRELOAR RECREATION RESERVE, COCKATOO



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13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX.		DATE	APR 22				ALMA TRELOAR, RECREATION RESERVE COCKATOO	CCD22018-01
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	PROP.		CHECKED	SC	APPROVED	SC		PROPOSED CARPARK REDEVELOPMENT WORKS	SHEET — 1 OF 27
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.		DATE	MAY 22	DATE	MAY 22			REVISION — B
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	PROP.		DATUM	AHD	MELWAYS REF			FACE SHEET AND LOCALITY PLAN	CCD REF. NO. — 22018
			PROPOSED PROPERTY INLET		PROP.								A3

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GENERAL NOTES

- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL (IDM). THE WORKS SHALL ALSO COMPLY WITH THESE DRAWINGS AND AS2124-1992 GENERAL CONDITIONS OF CONTRACT. A COPY OF THE APPROVED DRAWINGS & SPECIFICATIONS ARE TO BE KEPT ON SITE DURING THE WORKS. COUNCIL'S SUPERVISING ENGINEER TO BE NOTIFIED (2) TWO CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- UNDERGROUND SERVICES ARE TO BE PROVEN PRIOR TO COMMENCEMENT OF WORKS. ANY DAMAGE TO SERVICES WILL BE THE RESPONSIBILITY OF AND BE REPAIRED BY THE CONTRACTOR.
- UNDERGROUND SERVICES OTHER THAN THOSE SHOWN, MAY EXIST PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, ALL RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF FURTHER UNDERGROUND SERVICES.
- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED PRIOR TO THE COMMENCEMENT OF WORKS.
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985, INCLUDING ALL RELEVANT REGULATIONS HAVE BEEN ADDRESSED. IN PARTICULAR THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORK COVER AUTHORITY - HEALTH AND SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH AND SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- ON COMMENCEMENT OF CONSTRUCTION WORKS THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" (PUBLICATION No 275)
- ALL VEHICLE CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH IDM STANDARDS SD235 & SD240 (AS APPLICABLE) OR AS NOTED ON THE PLANS.
- ALL 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 REINSTATEMENT AT THE CONTRACTORS EXPENSE.
- ALL DIMENSIONS ARE IN METRES, LEVELS ARE TO AHD.
- ALL EXISTING FENCING, BUILDINGS, PAVEMENTS AND SERVICES ARE TO BE PROTECTED FROM DAMAGE DURING THESE WORKS.
- NATURE STRIPS ARE TOP SOILED AND SEEDED PRIOR TO COMPLETION OF WORKS
- ALL DRAINAGE PIPES TO BE RCP AND RUBBER RING JOINT PIPE UNLESS OTHERWISE DIRECTED.
- CONCRETE FOOTPATHS ARE TO BE DOWELL JOINTED TO COUNCIL'S APPROVAL AT THE END OF EACH DAYS POUR.
- HOUSE NUMBERS ARE PAINTED ON THE KERB IN 100mm HIGH NUMBERS WITH YELLOW ROAD MARKING PAINT PRIOR TO COMPLETION OF WORKS.
- HOUSE DRAIN CONNECTION LOCATIONS ARE TO BE INDICATED AT THE BACK OF KERB WITH INSCRIPTION OF A 100mm HIGH "H".
- HOUSE DRAINS TO BE LOCATED AT 1.0 METRES FROM SIDE BOUNDARY WITH PROPERTY INLETS 1.0m FROM PROPERTY BOUNDARY UNLESS NOTED OTHERWISE. IN THE ROAD RESERVE, HD TO BE 6m OFFSET AND BOUGHT TO THE SURFACE WITHIN THE LOT AND CAPPED.
- ON COMPLETION OF WORKS THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL.
- PRIOR TO THE ISSUE OF A STATEMENT OF COMPLIANCE, ALL DRAINS ARE TO BE CCTV TESTED AND THE RESULTS PROVIDED TO COUNCIL.
- NO TOPSOIL TO BE REMOVED FROM SITE WITHOUT THE APPROVAL OF COUNCIL.
- COMPACTION TESTS TO BE COMPLETED ON PAVEMENT LAYERS, SUBGRADE AND FILLED (>0.2m) LOTS AND TEST RESULTS TO BE PROVIDED TO COUNCIL.

SITE MANAGEMENT NOTES

- ROAD SURFACES ON WHICH CONSTRUCTION VEHICLES TRAVEL SHALL BE KEPT FREE OF TRANSPORTED MATERIAL. ANY CLAY, SOIL OR OTHER DEBRIS DEPOSITED ON EXISTING ROADS MUST BE CLEANED OFF IMMEDIATELY TO AVOID IT ENTERING DRAINAGE SYSTEMS AND TO MINIMIZE TRAFFIC HAZARDS.
- STORMWATER FLOWING ONTO THE SITE SHALL BE CONTROLLED BY CUT OFF DRAINS TO PREVENT IT FROM FLOWING ONTO AREAS STRIPPED OF GRASS COVER. THESE DRAINS SHALL BE DIRECTED TO THE STORM WATER AT APPROPRIATE POINTS.
- STORMWATER FALLING ON THE SITE SHALL NOT TO BE PERMITTED TO ENTER THE EXISTING DRAINAGE SYSTEM IF CARRYING SUSPENDED SOLIDS PICKED UP FROM THE SITE. STRAW BALES UPSTREAM OF DISCHARGE POINTS SHALL BE USED TO FILTER FLOW, OR FILTER BASKETS IN SIDE ENTRY PITS OR OTHER CONTROLS MAY BE USED FILTER SYSTEMS SHALL BE MAINTAINED IN GOOD ORDER FOR THE DURATION OF THE WORKS.
- SILT FENCES TO BE ERECTED AROUND ANY STOCK PILES OF SOIL/CLAY AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION TO PREVENT ANY SILT LADEN RUN OFF ENTERING STORM WATER DRAINS.
- DUST GENERATION BY EITHER MOVING PLANT OR WIND SHALL BE CONTROLLED BY APPLICATION OF WATER AT TIMES WHEN GENERATION IN QUALITY IS LIKELY, A WATER CART SHALL BE MAINTAINED ON THE SITE FOR IMMEDIATE USE.
- NOISE POLLUTION IN AREAS WHERE OCCUPIED LAND IS IN CLOSE PROXIMITY SHALL BE KEPT TO A MINIMUM COMPATIBLE WITH THE OPERATIONS INVOLVED, AND MOST LIKELY TO BE OFFENSIVE SHALL ONLY BE GENERATED BETWEEN THOSE HOURS SPECIFIED BY THE MUNICIPAL COUNCIL AS TIMES WHEN CONSTRUCTION MACHINERY MAY OPERATE.
- VEGETATION REMOVAL BOTH GRASS COVER AND OTHER VEGETATION, SHALL BE KEPT TO THE MINIMUM NECESSARY TO CARRY OUT THE WORKS, AND AREAS DENUDED OF GRASS AND LIKELY TO ERODE SHALL BE TREATED TO RESTORE COVER AS EARLY AS POSSIBLE.
- VIC ROADS ROADWORK SIGNAGE CODE OF PRACTICE WHICH COMPLIES WITH AUSTRALIAN STANDARD 174.3-1996 ADHERED TO DURING CONSTRUCTION WORKS. SIGNAGE - ALL REGULATORY AND DIRECTIONAL CHEVRON TYPE SIGNS TO BE INSTALLED IN CLASS 1 REFLECTIVE MATERIAL IN ACCORDANCE WITH AUSTRALIAN STANDARDS.

FILL NOTES

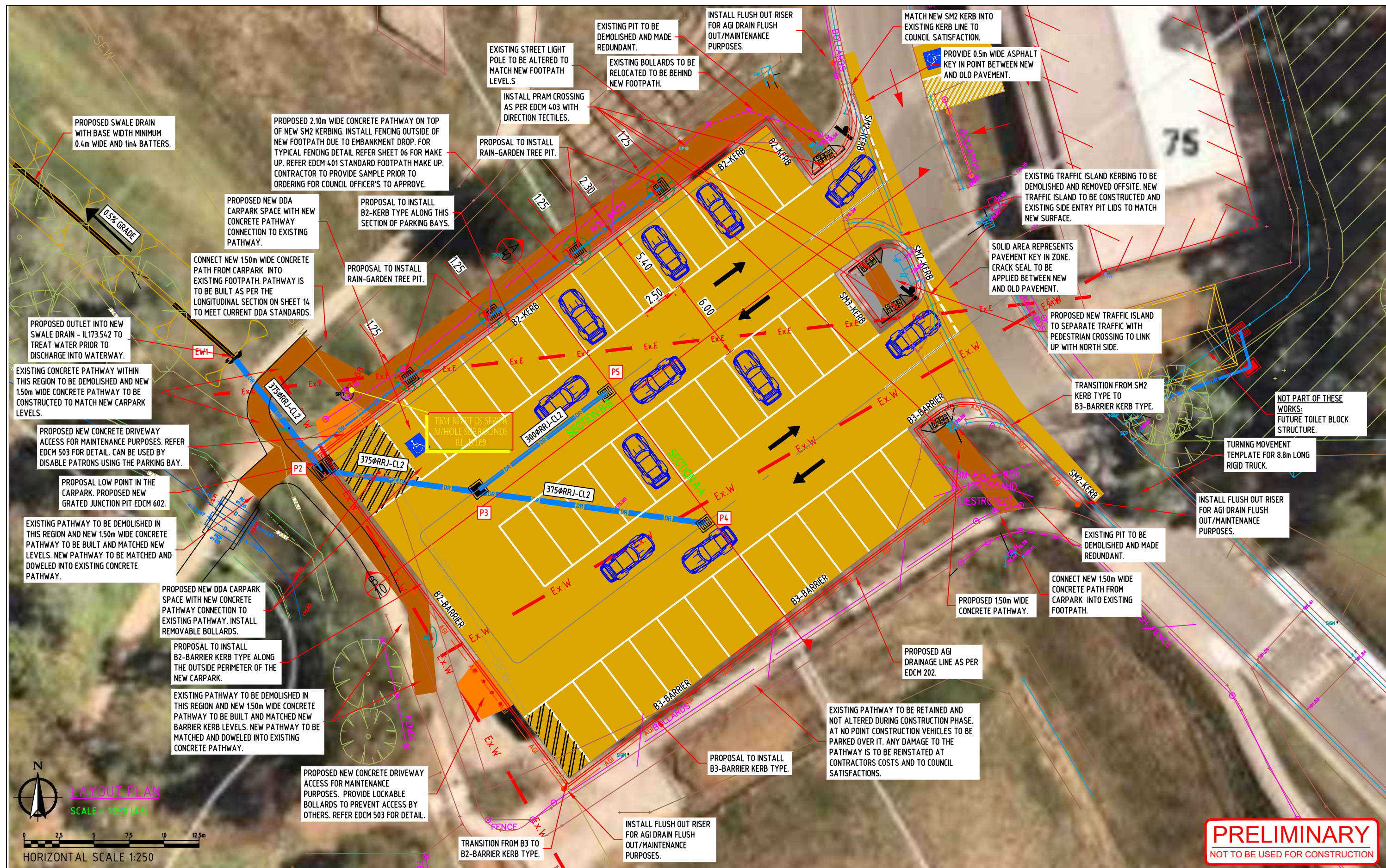
- FILLING IN PROPERTIES IS TO BE CARRIED OUT USING APPROVED CLAY FILL. TOPSOIL AND ALL VEGETABLE MATTER IS TO BE STRIPPED FROM THE SITE PRIOR TO FILLING AND ALL FILLING IS TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY. ALL FILLING IS TO COMPLY WITH LEVEL 1 SUPERVISION TYPE 1 TO AS 3798/1996.

PLANNING PERMIT

- NOT PROVIDED

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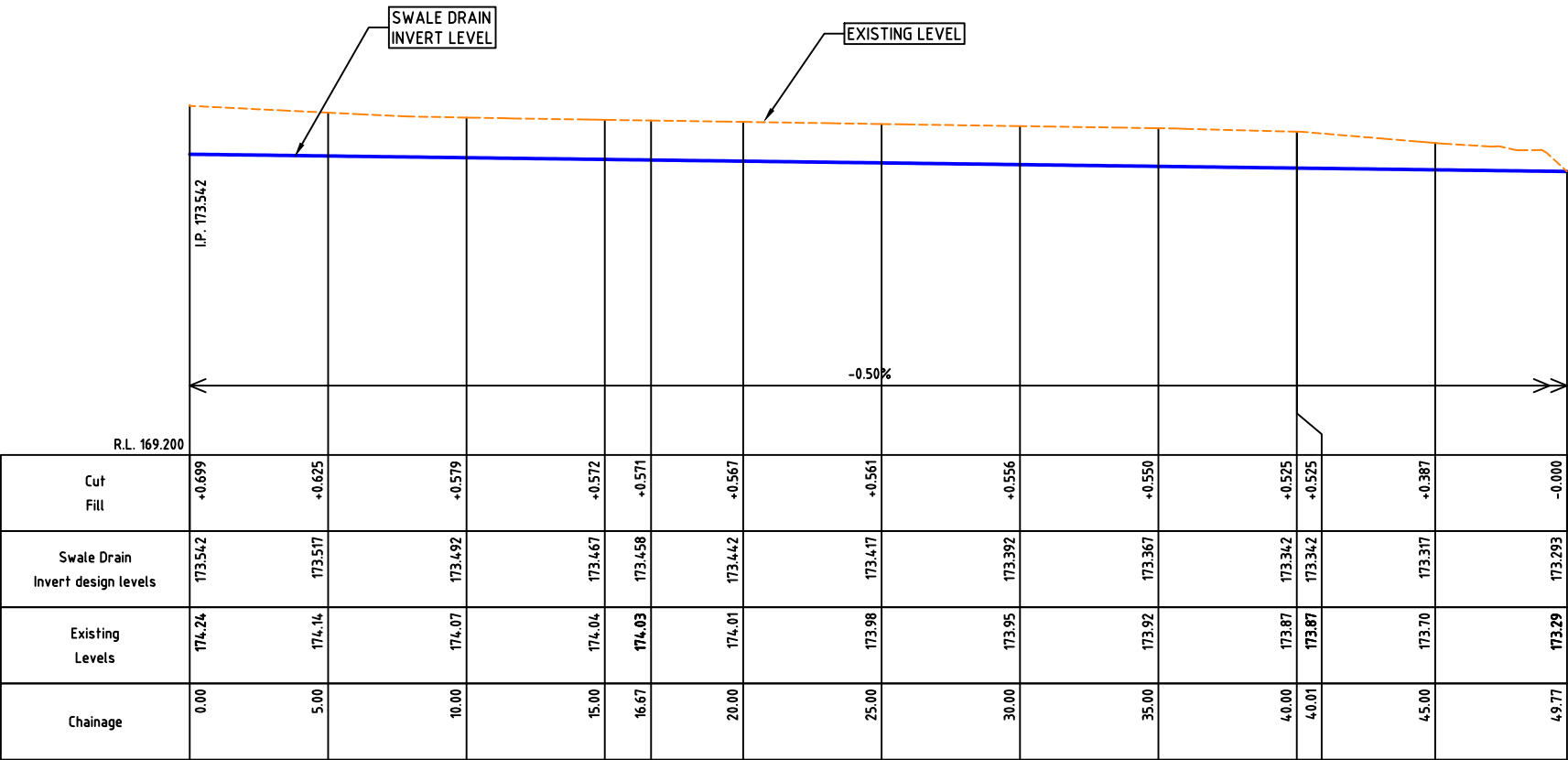
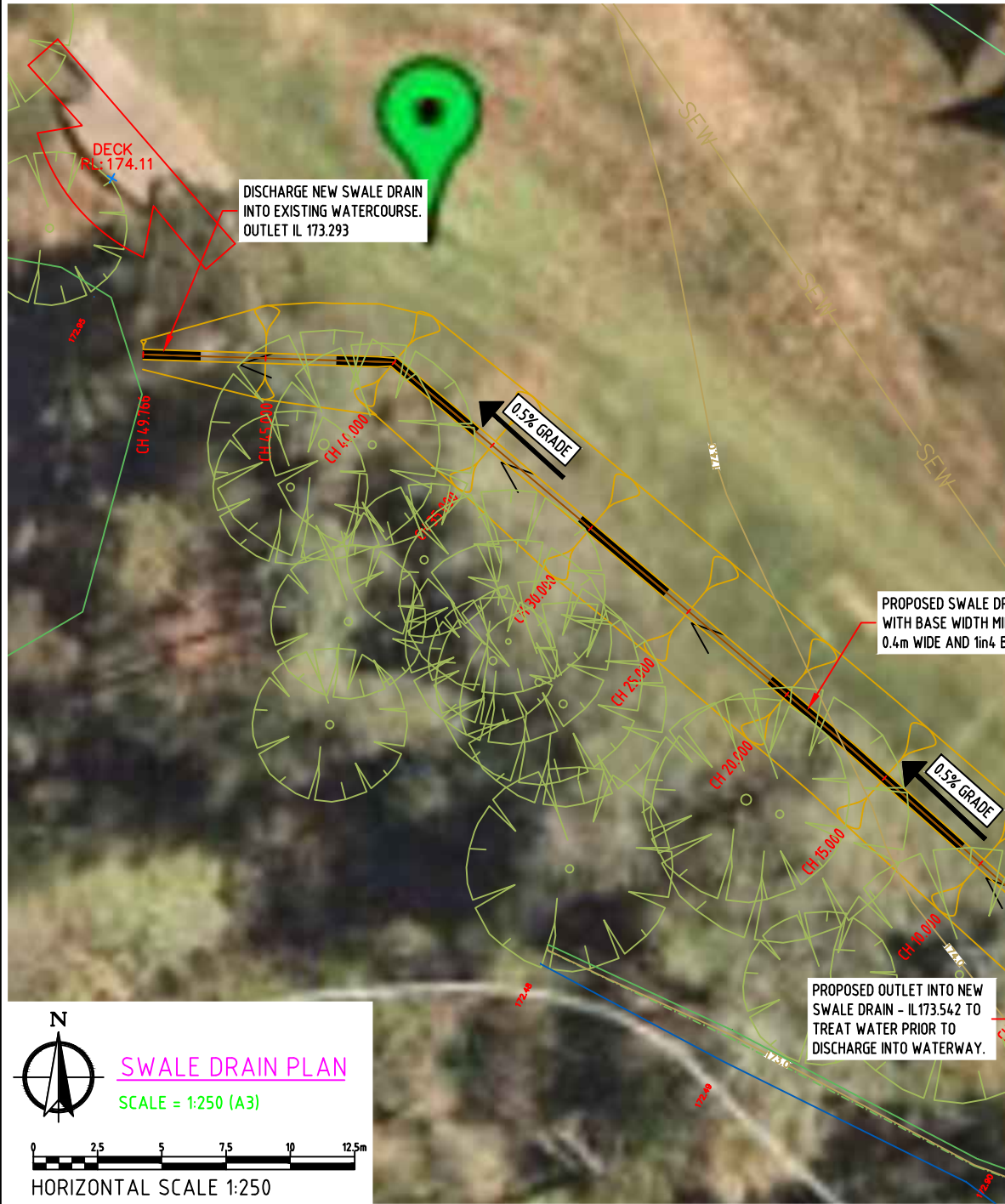


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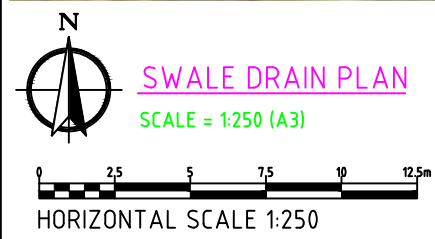
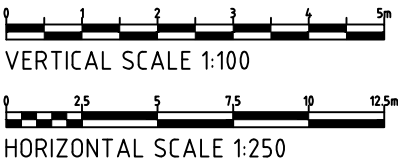


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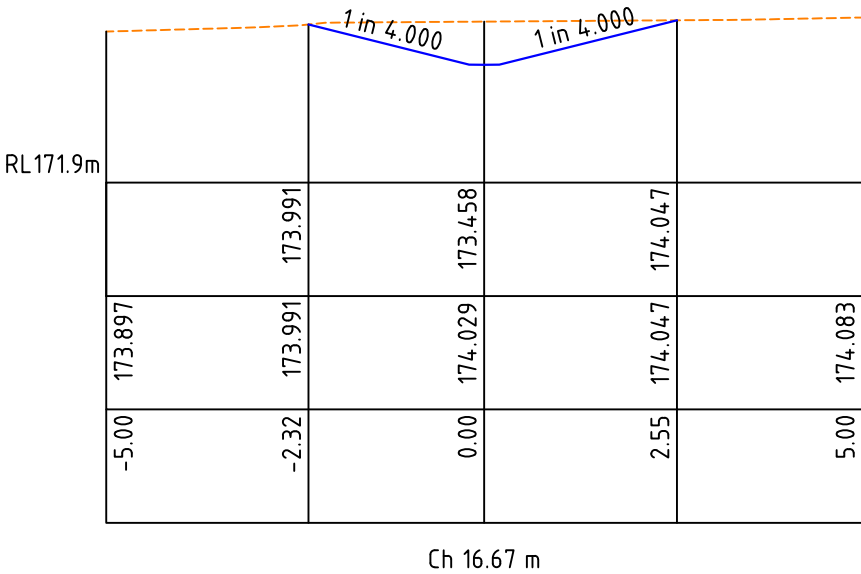
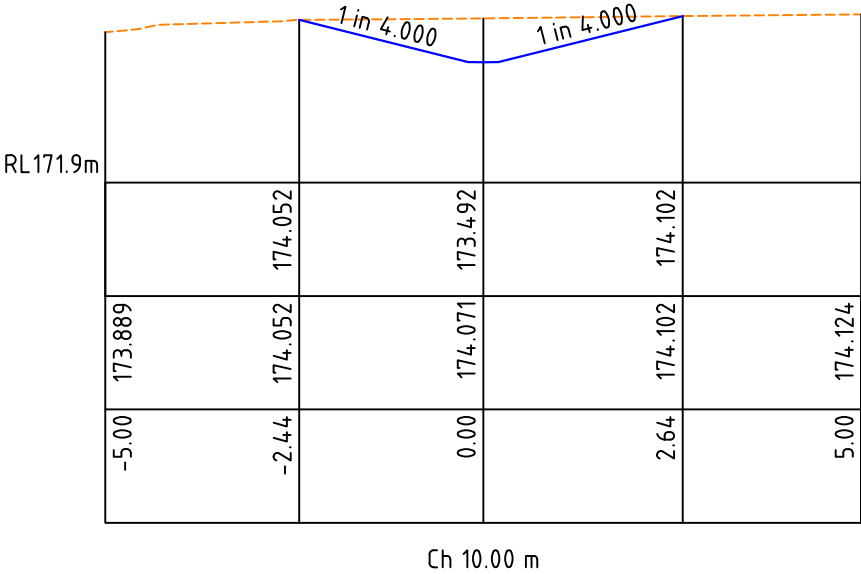
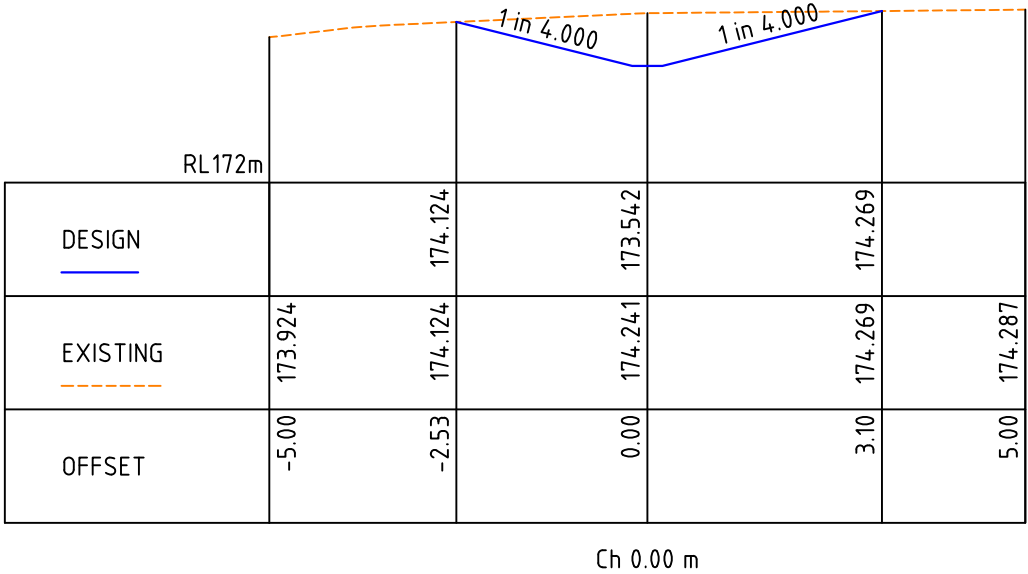
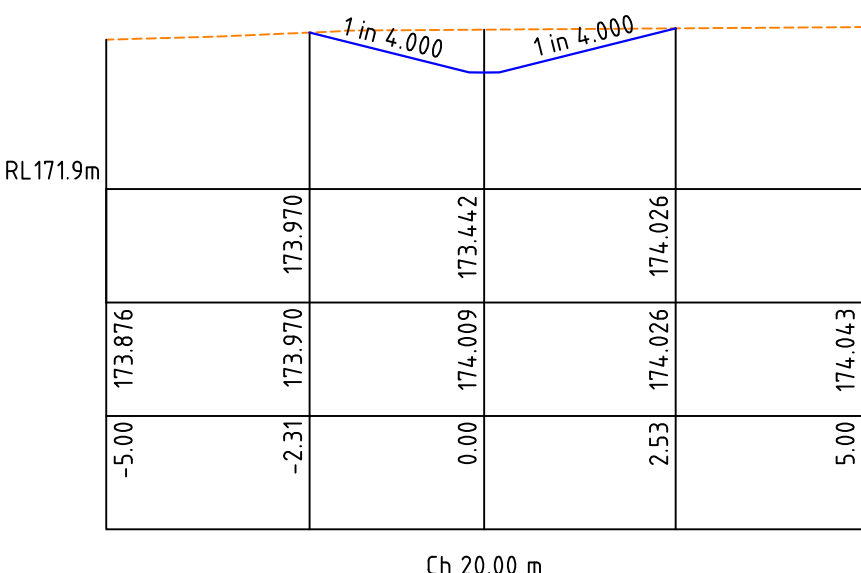
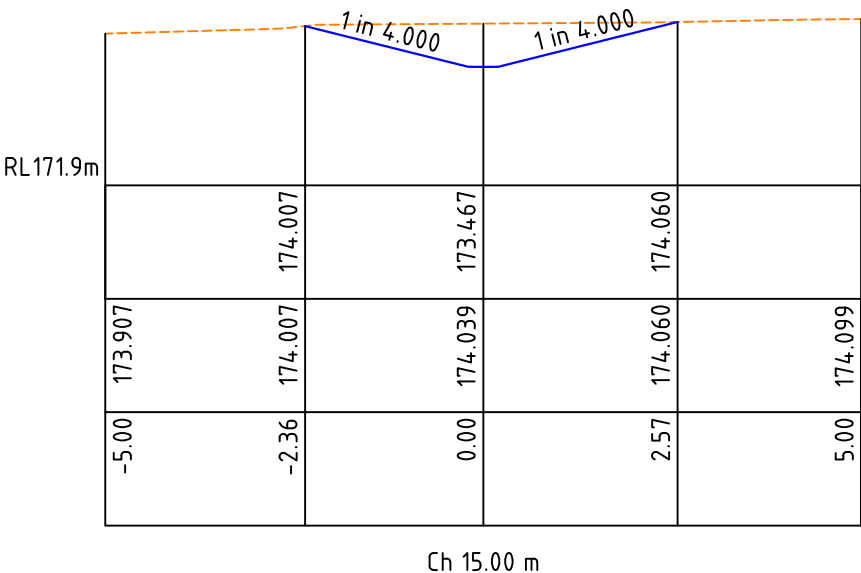
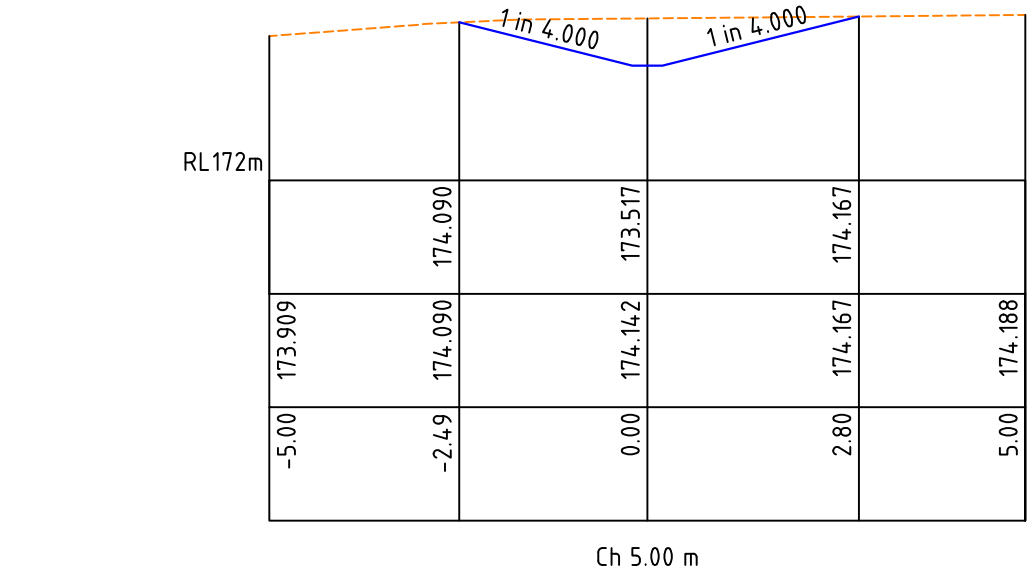


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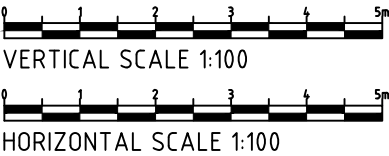
SWALE DRAIN LONGITUDINAL SECTION



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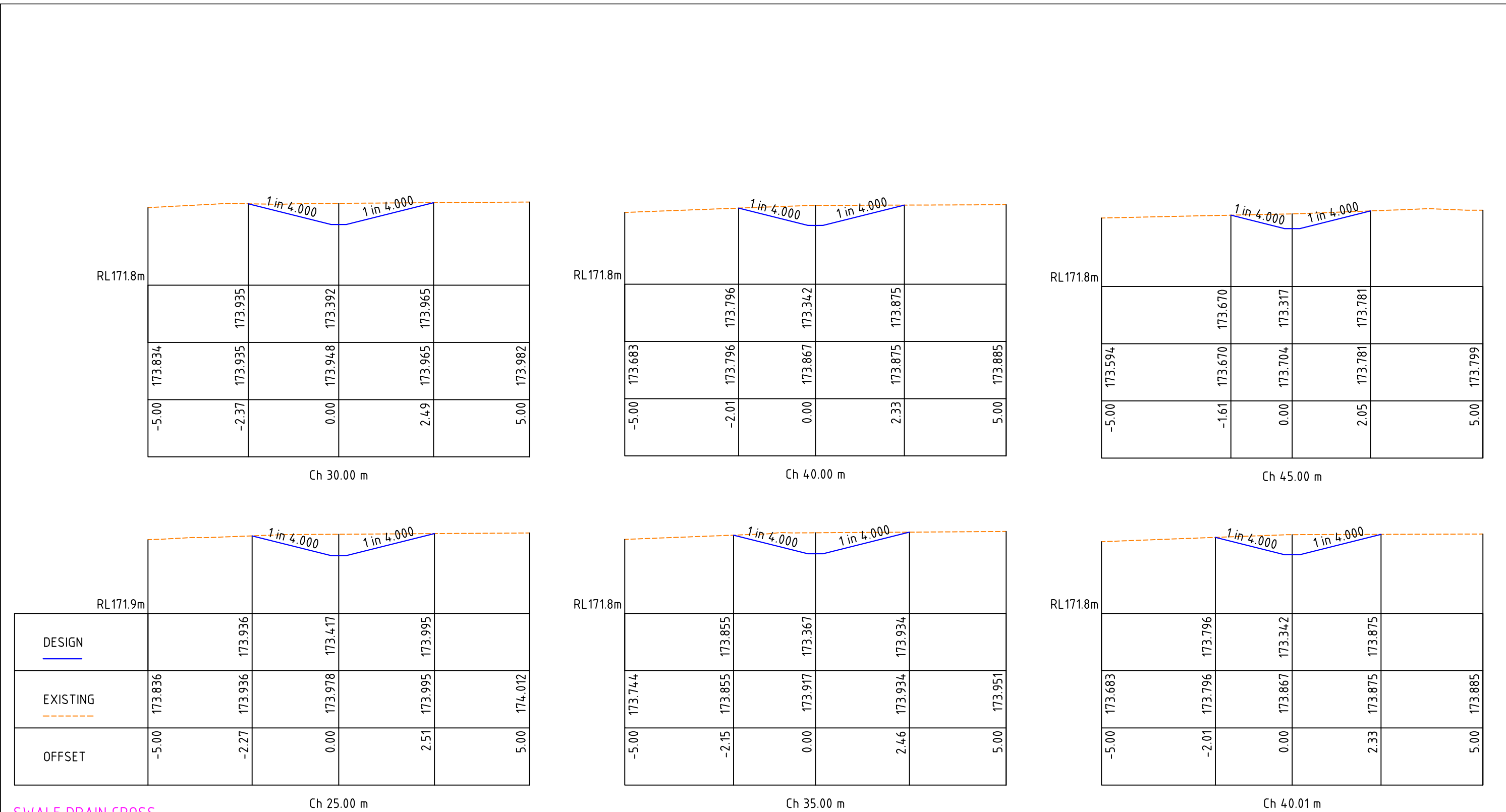


SWALE DRAIN CROSS SECTION

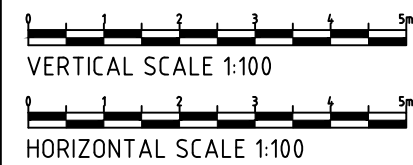


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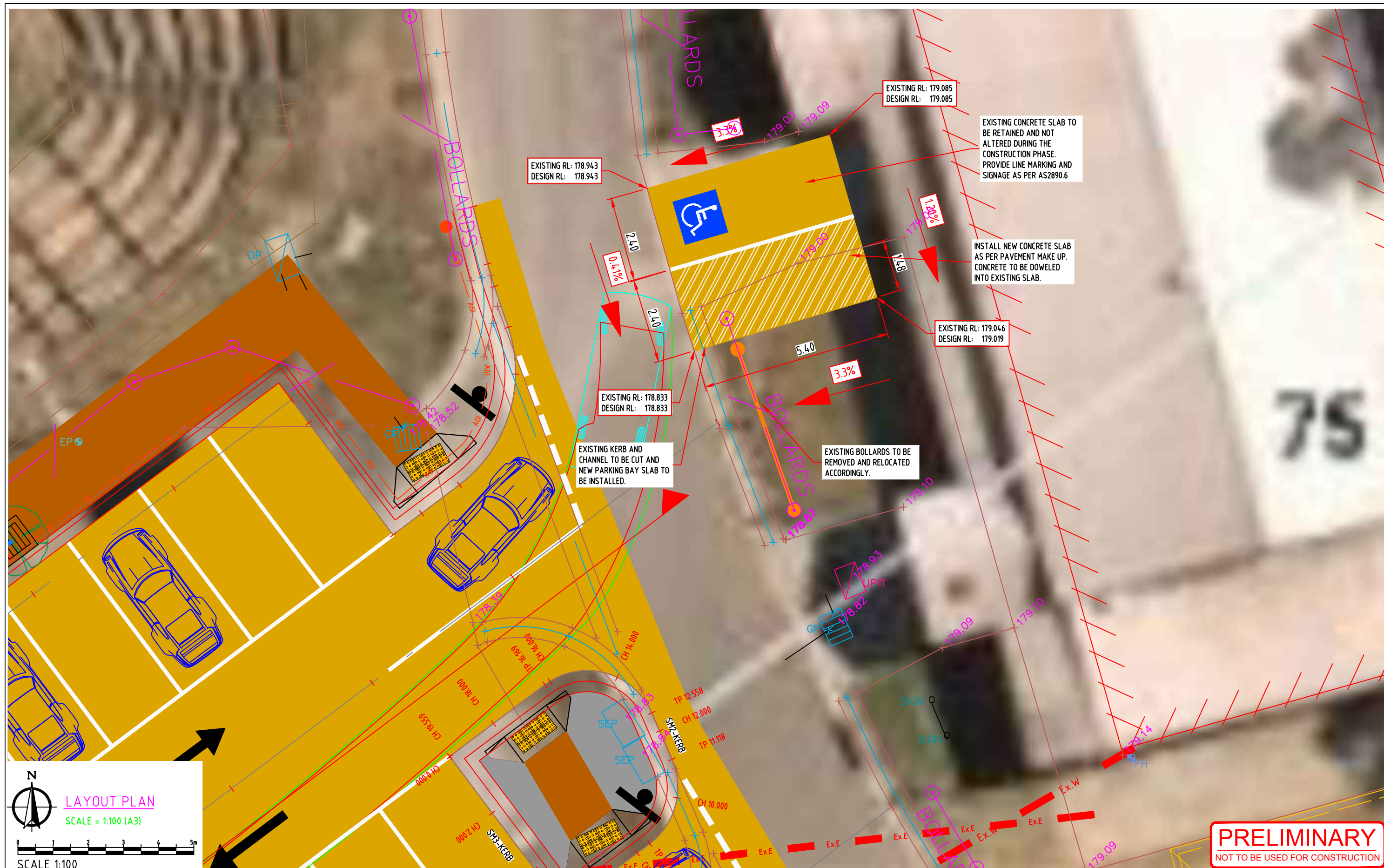


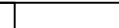
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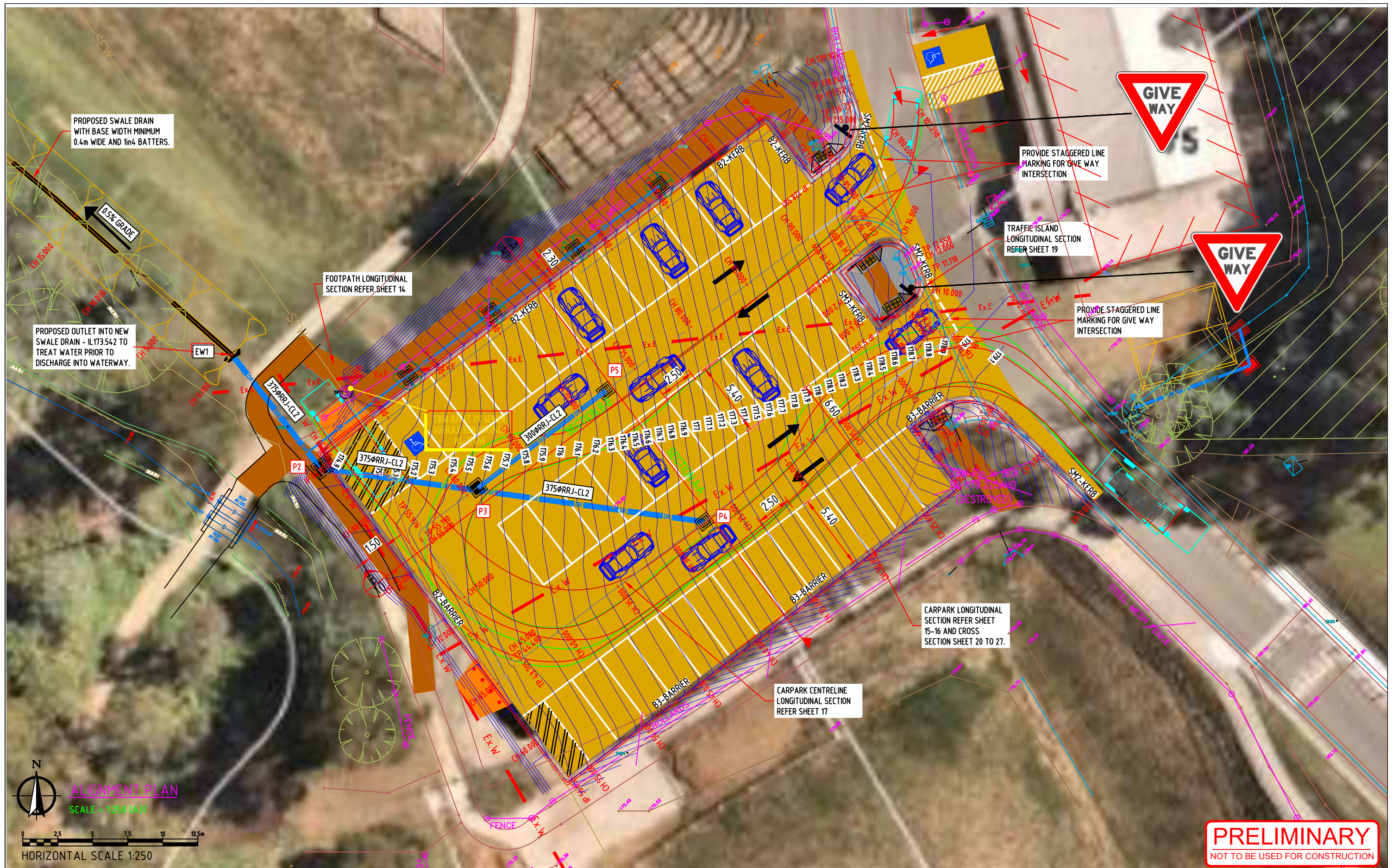


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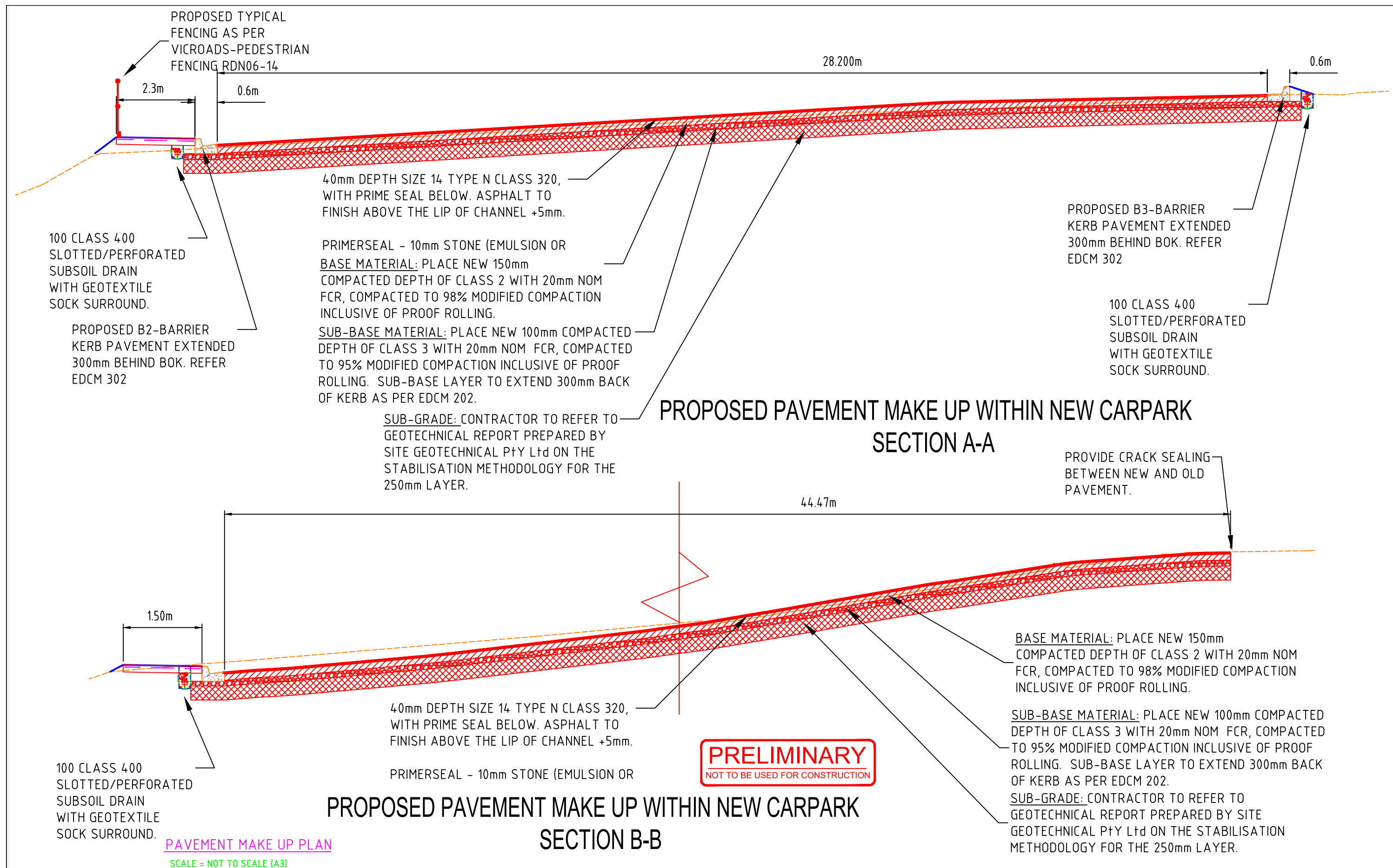
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13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX.	DATE		APR 22	CCD22018-08						
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX.	CHECKED		SC	APPROVED	SC	CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS			SHEET – 8 OF 27	
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.	DATE		MAY 22	DATE	MAY 22	P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au			REVISION – B	
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	EX.	DATUM		AHD	MELWAYS REF					DISABLED PARKING BAY INSTALLATION TO EXISTING BUILDING	CCD REF. NO. – 22018 A3
			PROPOSED PROPERTY INLET		PROP.										
Dwg. Location: C:\Private Works\2211 - Alma Treloar Recreation Reserve\Drawing\22018 - Carpark - RevA.dwg; Editor: is															



DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROP.	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	 Craig Civil Design CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL		DRAWING NO.
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX.		DATE	APR 22				ALMA TRELOAR, RECREATION RESERVE COCKATOO		CCD22018—09
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX.		CHECKED	SC	APPROVED	SC		PROPOSED CARPARK REDEVELOPMENT WORKS		SHEET — 9 OF 27
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.		DATE	MAY 22	DATE	MAY 22		ALIGNMENT & SIGNAGE PLAN		REVISION — B
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	EX.		DATUM	AHD	MELWAYS REF					CCD REF. NO. — 22018 A3
			PROPOSED PROPERTY INLET		EX.		Dwg. Location: C:\Private Works\2211 - Alma Treloar Recreation Reserve\Drawing\22018 - Carpark - RevA.dwg; Editor: lsiva							

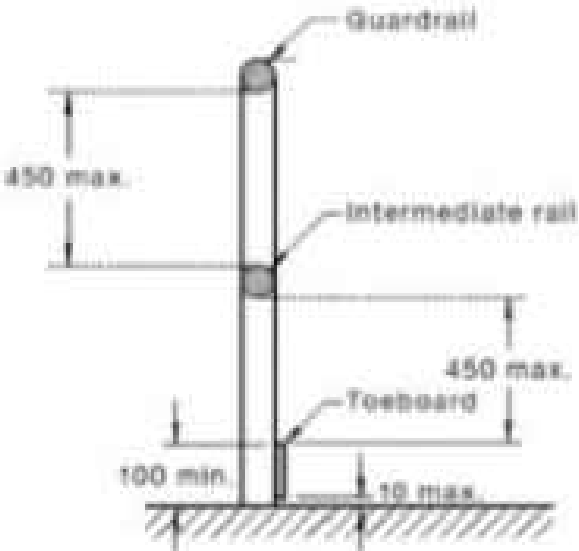


DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROPOSED	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	Civil Engineering Consultants & Project Managers	CARDINIA SHIRE COUNCIL	DRAWING NO. CCD22018-10
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX. - - - - -		DATE	APR 22				ALMA TRELOAR, RECREATION RESERVE COCKATOO	SHEET - 10 OF 27
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	PROP. - - - - -		CHECKED	SC	APPROVED	SC		PROPOSED CARPARK REDEVELOPMENT WORKS	REVISION - B
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX. - - - - -		DATE	MAY 22	DATE	MAY 22			
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	PROP. - - - - -		DATUM	AHD	MELWAYS REF			PAVEMENT MAKE UP	CCD REF. NO. - 22018 A3
			PROPOSED PROPERTY INLET		PROP. - - - - -								

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TYPICAL FENCING DETAIL



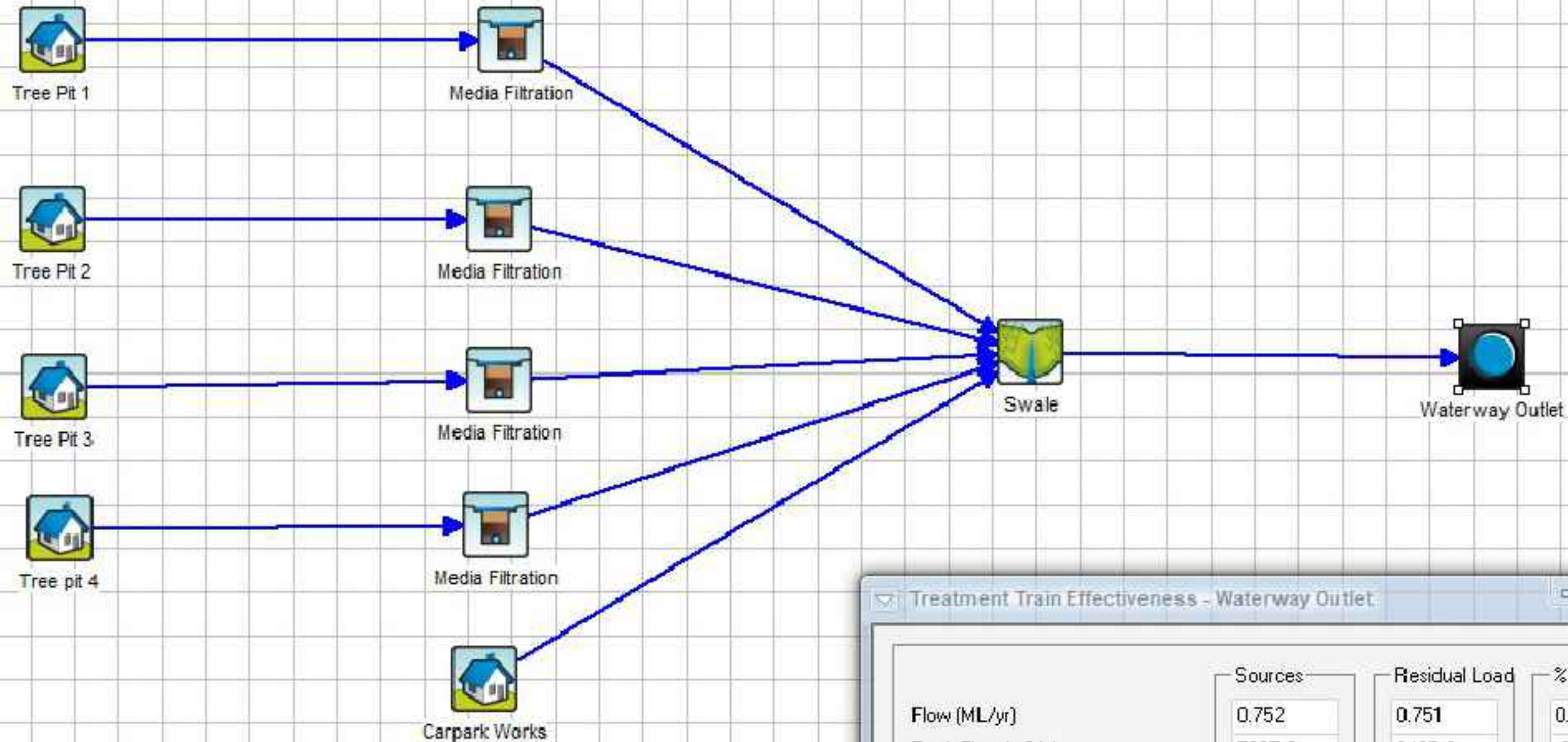
DIMENSIONS IN MILLIMETRES

Figure 3 - Typical Guardrailing - Key Dimensions
(Source: AS1657 Figure 6.1:)

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FENCING DETAIL
SCALE - NOT TO SCALE (A3)

DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROPOSED	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	Craig Civil Design CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL ALMA TRELOAR, RECREATION RESERVE COCKATOO PROPOSED CARPARK REDEVELOPMENT WORKS	DRAWING NO. CCD22018-11 SHEET - 11 OF 27 REVISION - B CCD REF. NO. - 22018 A3
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX. -		DATE	APR 22					
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX. -		CHECKED	SC	APPROVED	SC			
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX. -		DATE	MAY 22	DATE	MAY 22			
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	EX. -		DATUM	AHD	MELWAYS REF				
			PROPOSED PROPERTY INLET		PROP. -								

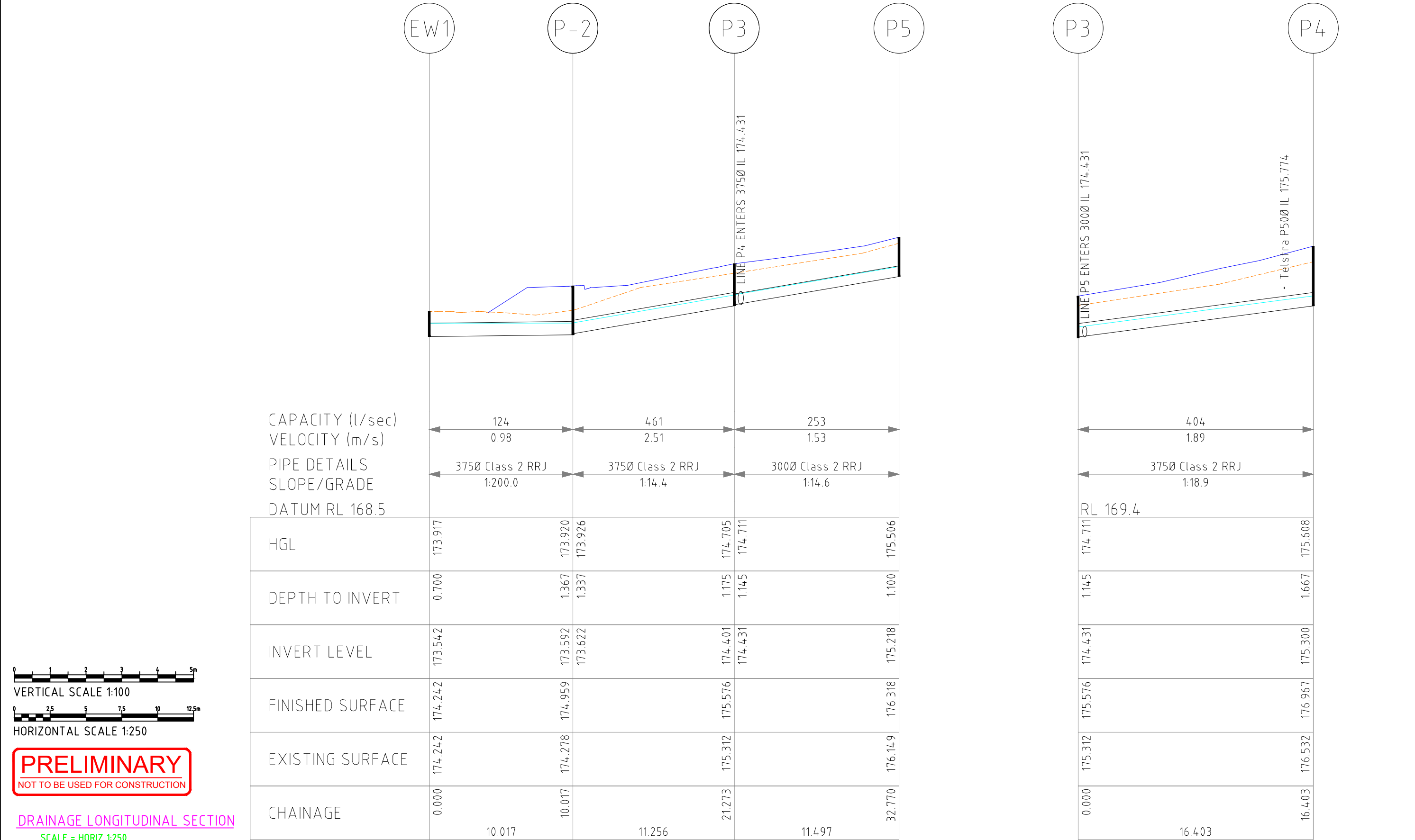


Treatment Train Effectiveness - Waterway Outlet			
	Sources	Residual Load	% Reduction
Flow (ML/yr)	0.752	0.751	0.2
Peak Flow (m3/s)	766E-6	946E-6	-23.5
Total Suspended Solids (kg/yr)	149	10.5	93.0
Total Phosphorus (kg/yr)	0.322	97.6E-3	69.7
Total Nitrogen (kg/yr)	2.01	1.08	46.5
Gross Pollutants (kg/yr)	27.1	0.00	100.0

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TREATMENT DETAIL
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13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX.		DATE	APR 22				ALMA TRELOAR, RECREATION RESERVE COCKATOO		SHEET - 12 OF 27
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX.		CHECKED	SC	APPROVED	SC		PROPOSED CARPARK REDEVELOPMENT WORKS	REVISION - B	
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.		DATE	MAY 22	DATE	MAY 22		MUSIC ANALYSIS OUTPUT FOR WSUD TREATMENT	CCD REF. NO. - 22018 A3	
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	EX.		DATUM	AHD	MELWAYS REF			Dwg. Location: C:\Private Works\2211 - Alma Treloar Recreation Reserve\Drawing\22018 - Carpark - RevA.dwg; Editor: lsiva		
			PROPOSED PROPERTY INLET		PROP.									



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09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS					CHECKED	SC	APPROVED	SC			
							DATE	MAY 22	DATE	MAY 22			
							DATUM	AHD	MELWAYS REF				

Dwg. Location: C:\Private Works\2211 - Alma Treloar Recreation Reserve\Drawing\22018 - Carpark - RevA.dwg; Editor: lsiva

Pit Schedule - Drainage Works Alma Treloar

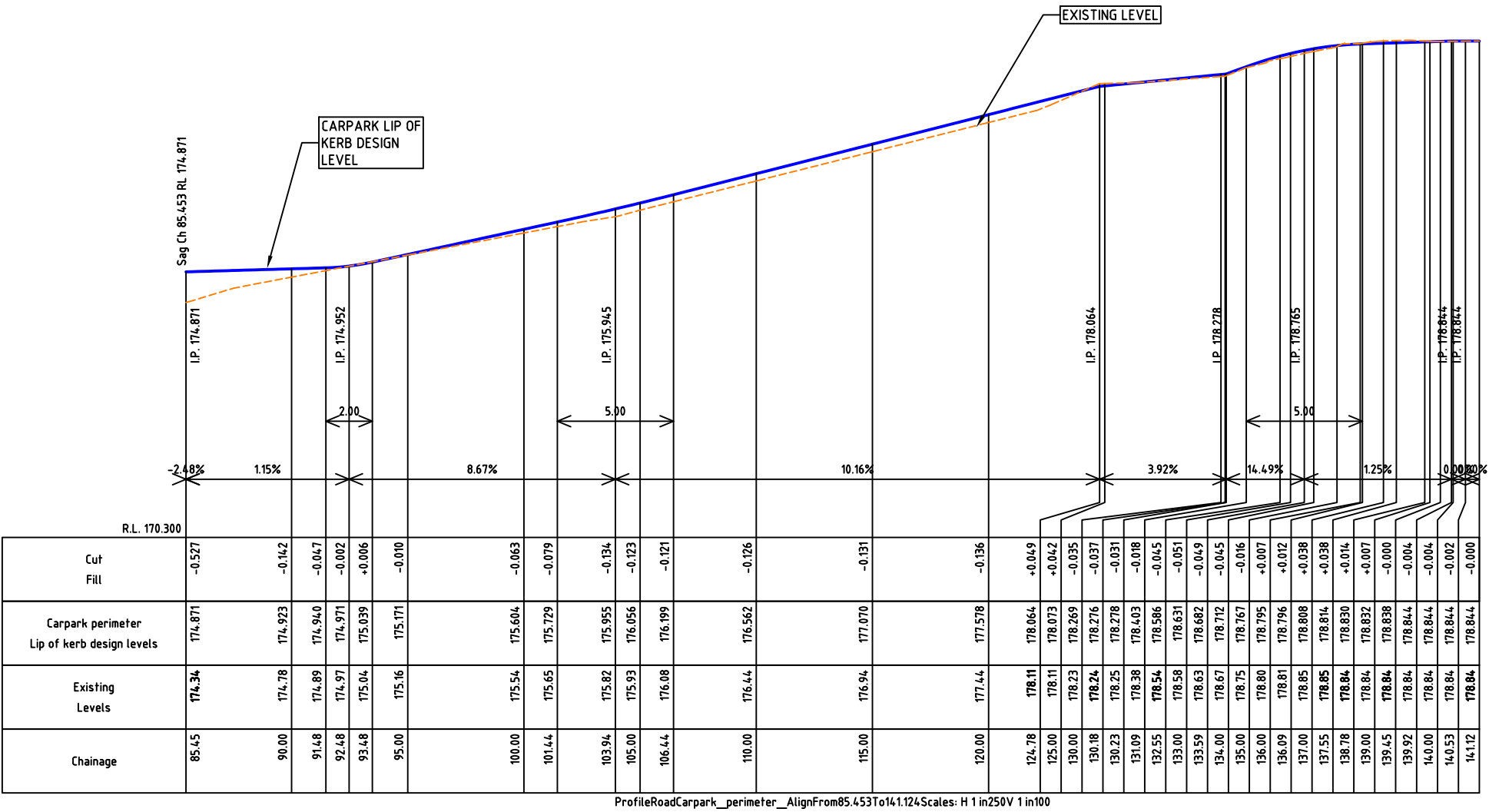
Pit No.	Pit Type	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Easting	Northing	Comment
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	(m)	(m)	
EW1	ENDWALL					375	173.542	0.700	174.242	367376.41	5799946.826	
P-2	SIDE ENTRY PIT - EDCM 601	600	900	375	173.592	375	173.622	1.367	174.959	367382.56	5799938.915	
P3	GRATED JUNCTION PIT - EDCM 605 WITH HIGH DUTY GRATE ON TOP	600	750	375	174.401	375	174.431	1.175	175.576	367393.73	5799937.565	
						300	174.431					
P4	GRATED JUNCTION PIT - EDCM 605 WITH HIGH DUTY GRATE ON TOP	600	750	375	175.300			1.667	176.967	367409.96	5799935.134	
P5	GRATED JUNCTION PIT - EDCM 605 WITH HIGH DUTY GRATE ON TOP	600	750	300	175.218			1.100	176.318	367402.92	5799944.480	

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PIT SCHEDULE

SCALE = NOT SCALE

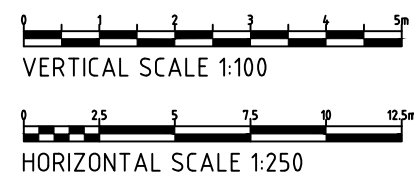
DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROP.	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL ALMA TRELOAR, RECREATION RESERVE COCKATOO PROPOSED CARPARK REDEVELOPMENT WORKS	DRAWING NO. CCD22018-14 SHEET - 14 OF 27 REVISION - B CCD REF. NO. - 22018 A3
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND PITS	EX.		DATE	APR 22					
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	PROP.		CHECKED	SC	APPROVED	SC			
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.		DATE	MAY 22	DATE	MAY 22			
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	PROP.		DATUM	AHD	MELWAYS REF				
			PROPOSED PROPERTY INLET		PROP.								



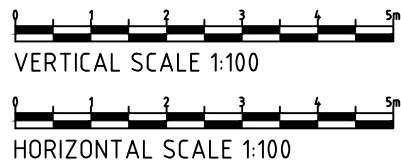
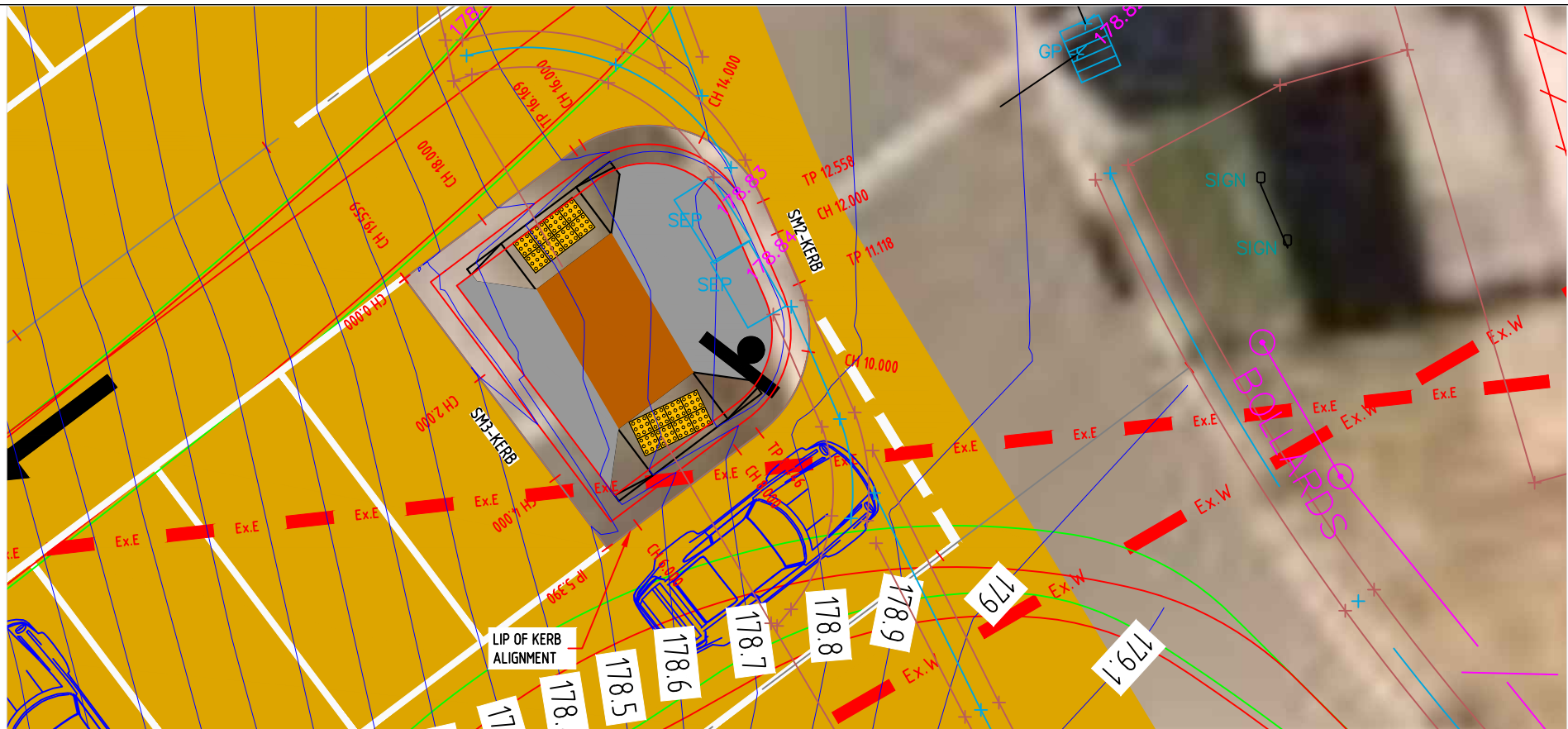
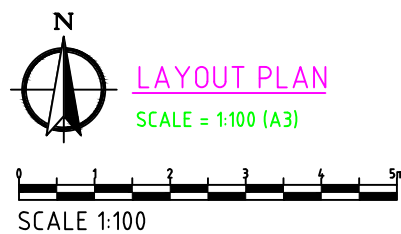
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CARPARK PERIMETER LONGITUDINAL SECTION
SCALE = VERTICAL 1:100, HORIZONTAL 1:250

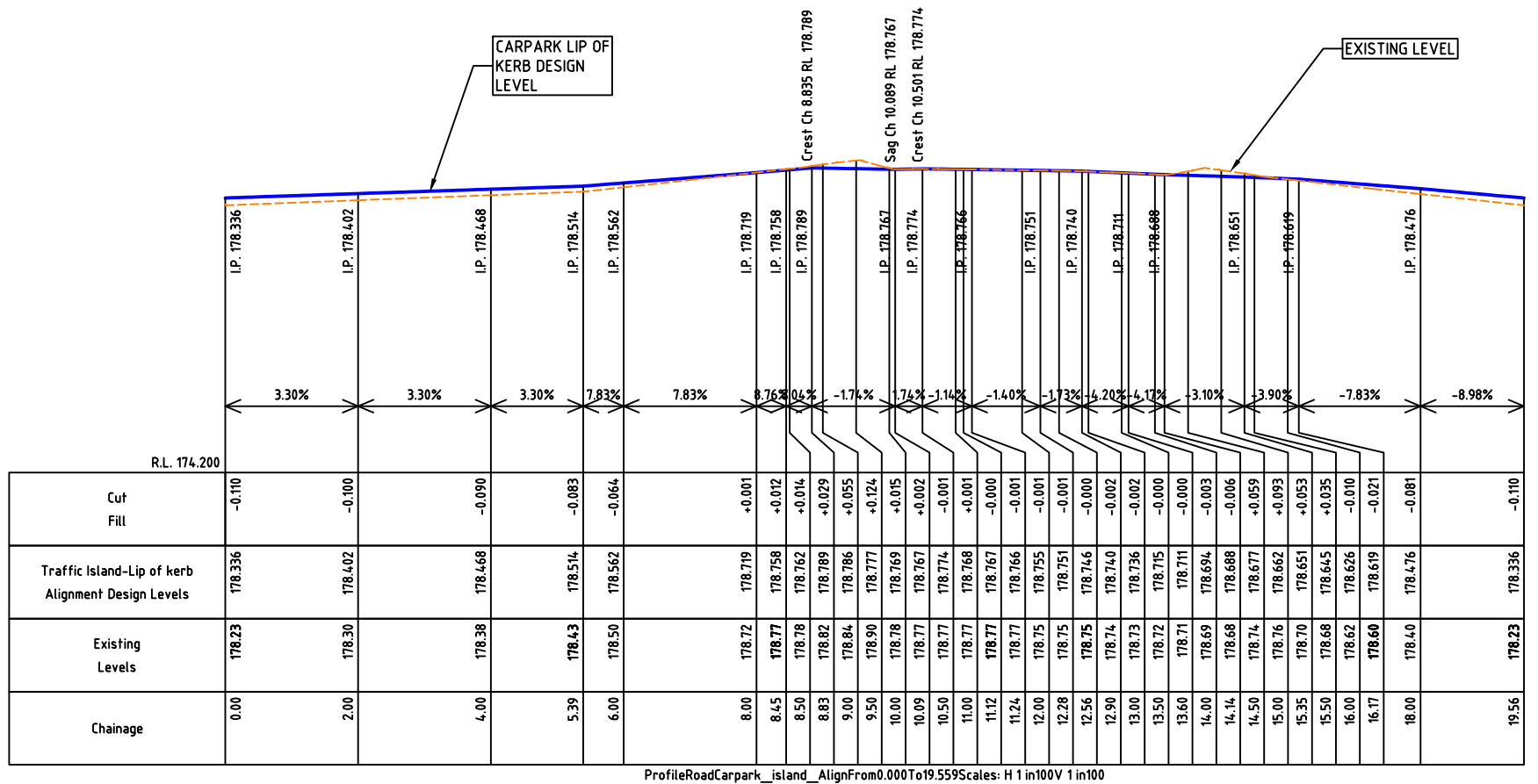


DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROPOSED	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL ALMA TRELOAR, RECREATION RESERVE COCKATOO PROPOSED CARPARK REDEVELOPMENT WORKS	DRAWING NO. CCD22018-16 SHEET - 16 OF 27 REVISION - B CCD REF. NO. - 22018 A3
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND FITTINGS	EX. -		DATE	APR 22					
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX. -		CHECKED	SC	APPROVED	SC			
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX. -		DATE	MAY 22	DATE	MAY 22			
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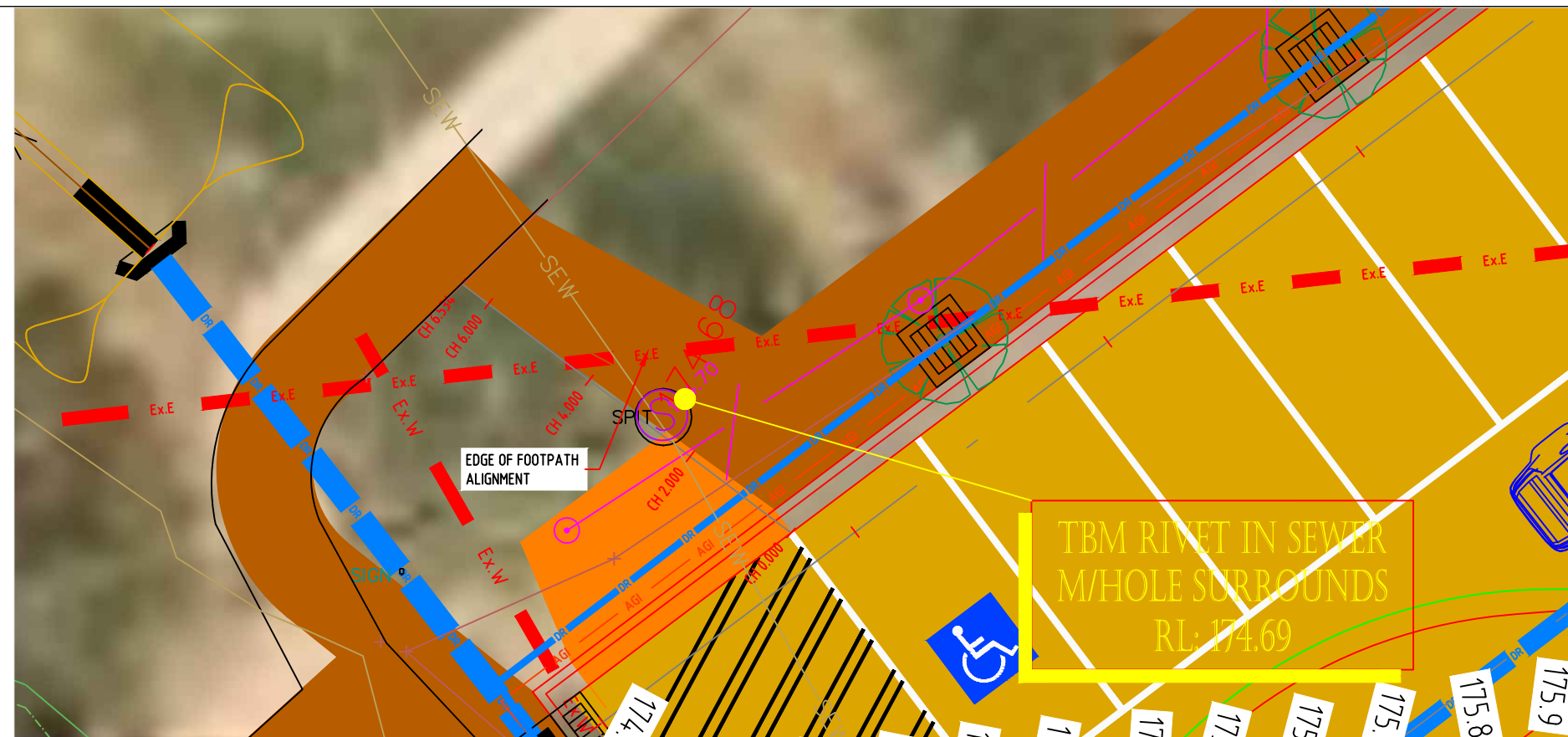


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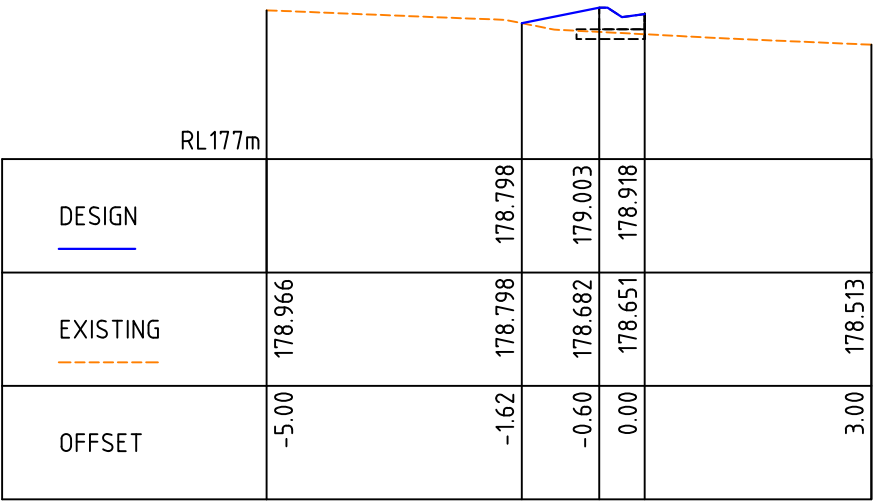
CARPARK TRAFFIC ISLAND ALIGNMENT LONGITUDINAL SECTION
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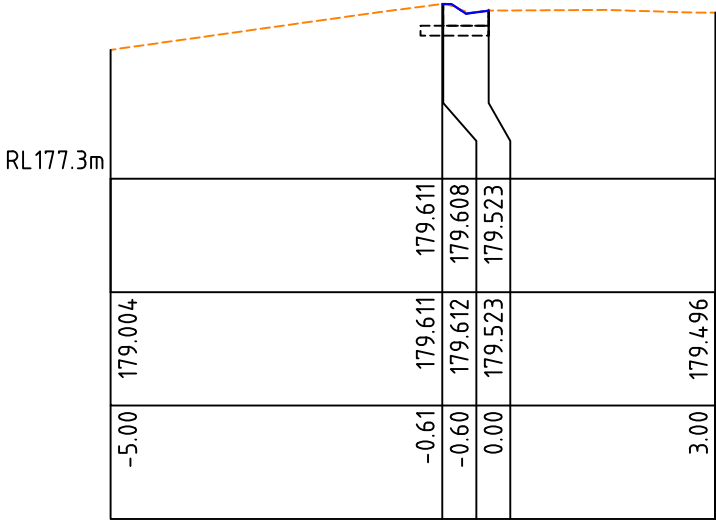
DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROPOSED	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	 CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL	DRAWING NO. CCD22018-18
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX. - - - - -		DATE	APR 22				ALMA TRELOAR, RECREATION RESERVE COCKATOO	SHEET - 18 OF 27
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	PROP. - - - - -		CHECKED	SC	APPROVED	SC		PROPOSED CARPARK REDEVELOPMENT WORKS	REVISION - B
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX. - - - - -		DATE	MAY 22	DATE	MAY 22		CARPARK TRAFFIC ISLAND LIP OF KERB ALIGNMENT LONGITUDINAL SECTION	CCD REF. NO. - 22018 A3
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	PROP. - - - - -		DATUM	AHD	MELWAYS REF			Dwg. Location: C:\Private Works\2211 - Alma Treloar Recreation Reserve\Drawing\22018 - Carpark - RevA.dwg; Editor: lsiva	



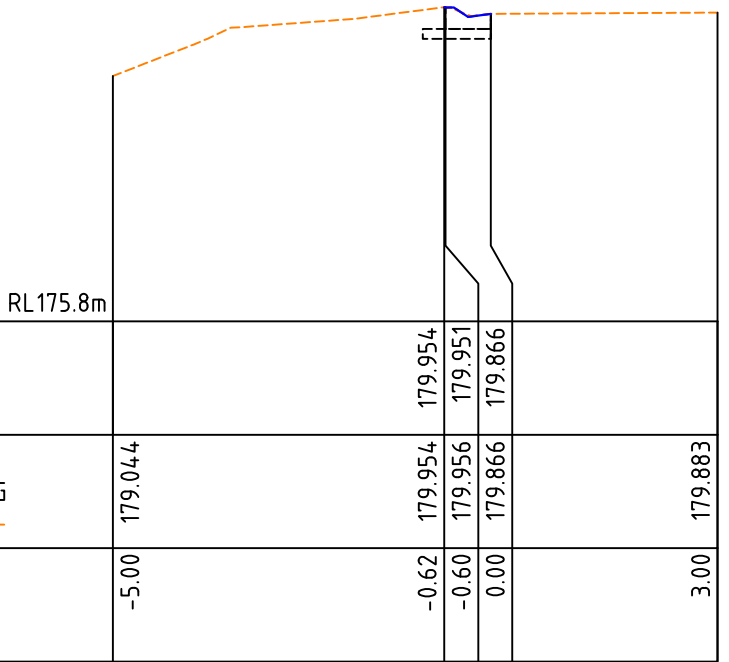
DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROP.	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	 Craig Civil Design CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL		DRAWING NO.	
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX.		DATE	APR 22					ALMA TRELOAR, RECREATION RESERVE COCKATOO	CCD22018-19	
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX.		CHECKED	SC	APPROVED	SC			PROPOSED CARPARK REDEVELOPMENT WORKS	SHEET - 19 OF 27	
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.		DATE	MAY 22	DATE	MAY 22			REVISION - B		
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	EX.		DATUM	AHD	MELWAYS REF				EDGE OF FOOTPATH CONNECTION ALIGNMENT LONGITUDINAL SECTION	CCD REF. NO. - 22018 A3	
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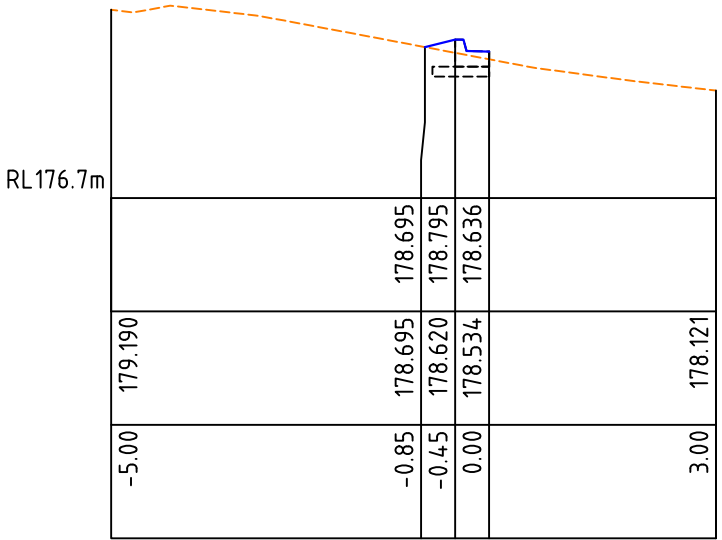
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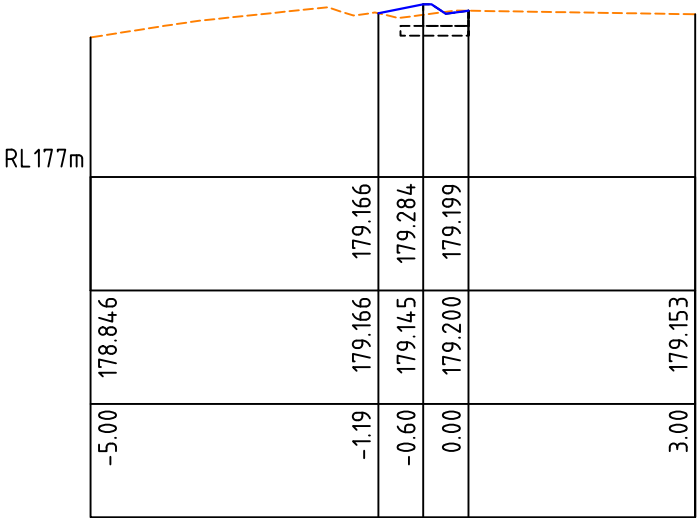
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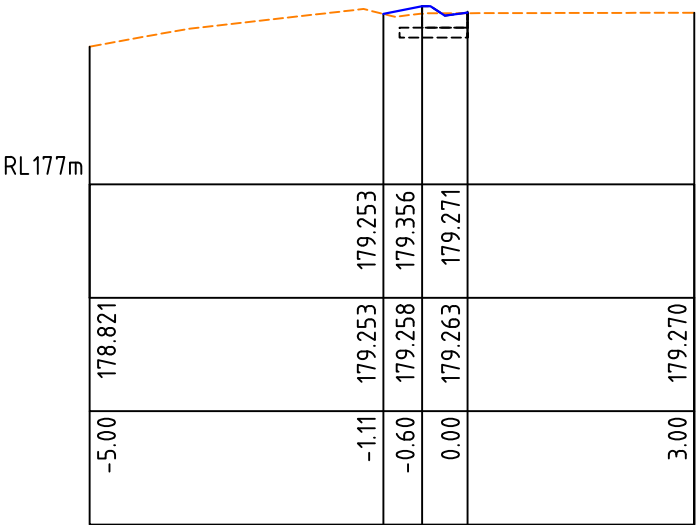
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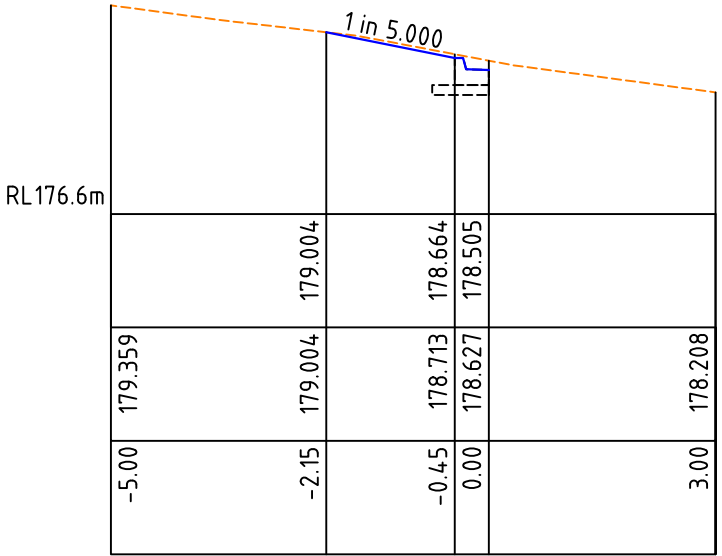
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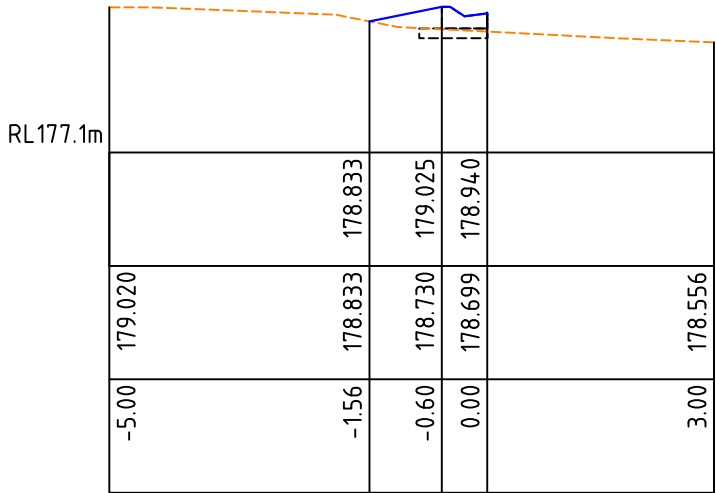
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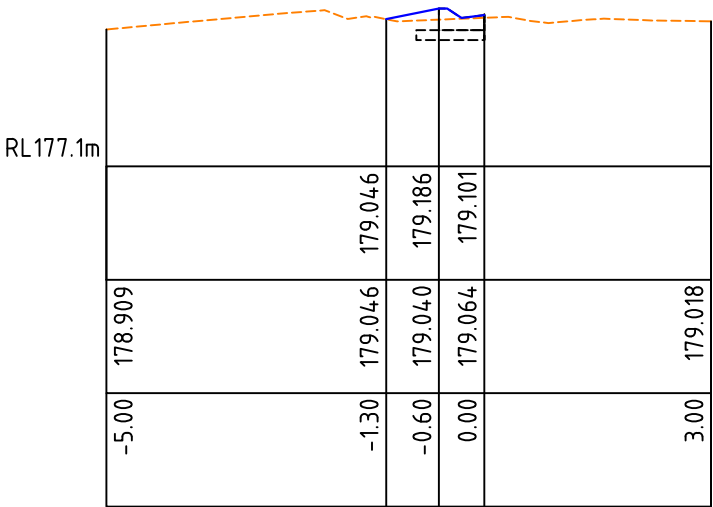
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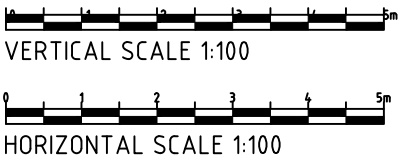
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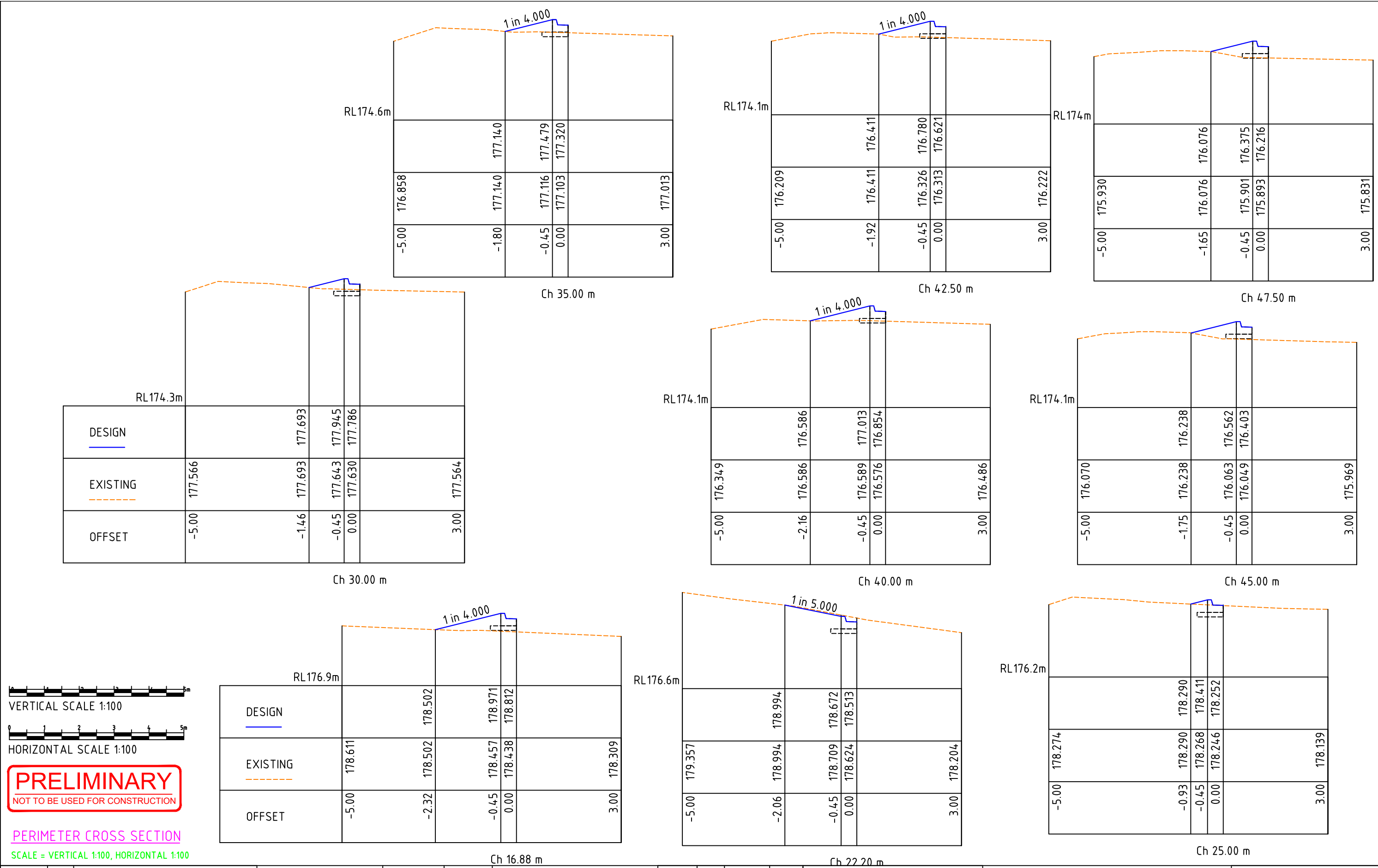
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PERIMETER CROSS SECTION
SCALE = VERTICAL 1:100, HORIZONTAL 1:100

DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROP.	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL ALMA TRELOAR, RECREATION RESERVE COCKATOO PROPOSED CARPARK REDEVELOPMENT WORKS	DRAWING NO. CCD22018-20 SHEET - 20 OF 27 REVISION - B CCD REF. NO. - 22018 A3
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND FITTINGS	EX.		DATE	APR 22					
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX.		CHECKED	SC	APPROVED	SC			
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.		DATE	MAY 22	DATE	MAY 22			
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	EX.		DATUM	AHD	MELWAYS REF				
			PROPOSED PROPERTY INLET		EX.								



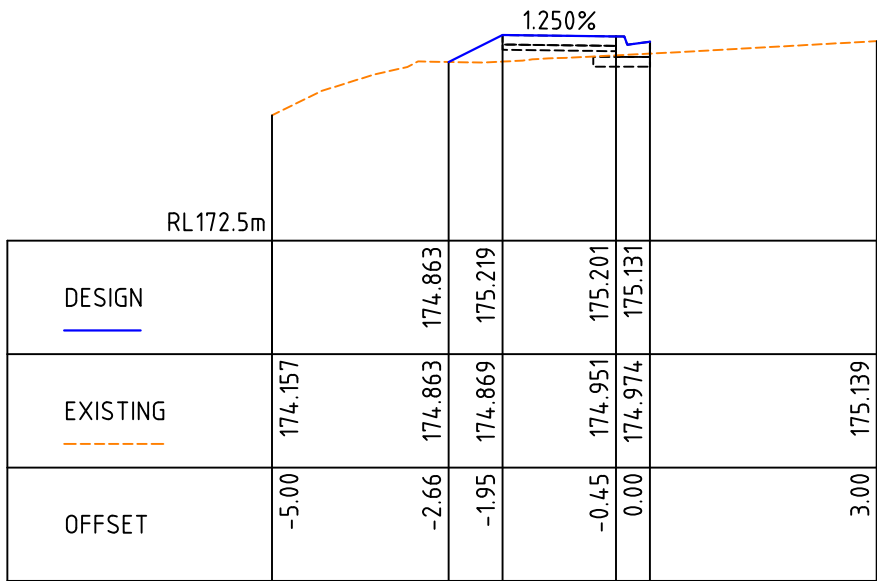
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HORIZONTAL SCALE 1:100

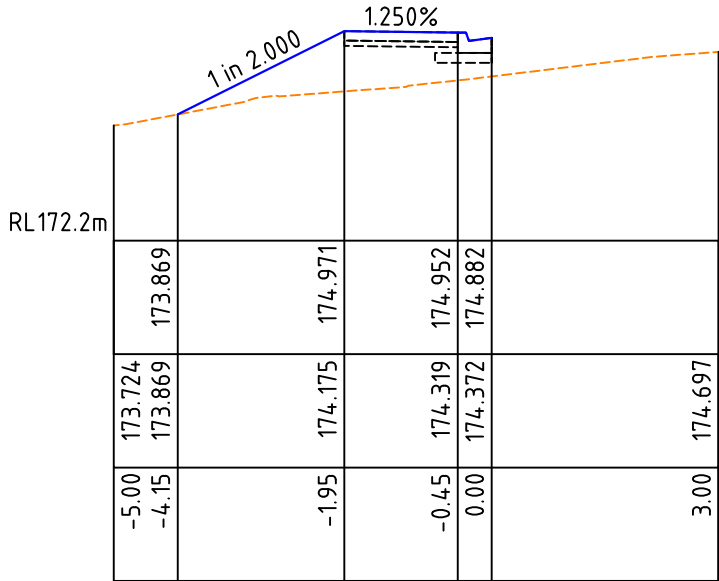
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PERIMETER CROSS SECTION
SCALE = VERTICAL 1:100, HORIZONTAL 1:100

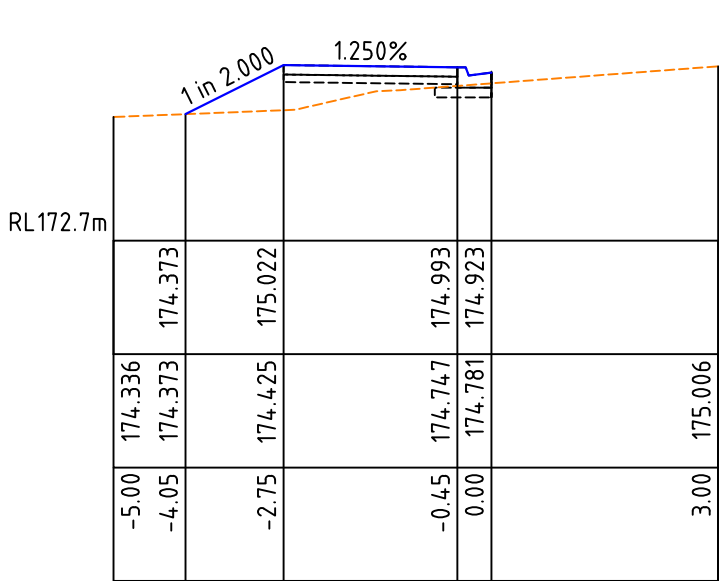
DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROPOSED	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL ALMA TRELOAR, RECREATION RESERVE COCKATOO PROPOSED CARPARK REDEVELOPMENT WORKS	DRAWING NO. CCD22018-21 SHEET - 21 OF 27 REVISION - B CCD REF. NO. - 22018 A3
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND FITTINGS	EX. -		DATE	APR 22					
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX. -		CHECKED	SC	APPROVED	SC			
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX. -		DATE	MAY 22	DATE	MAY 22			
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			PROPOSED PROPERTY INLET		PROP. -								



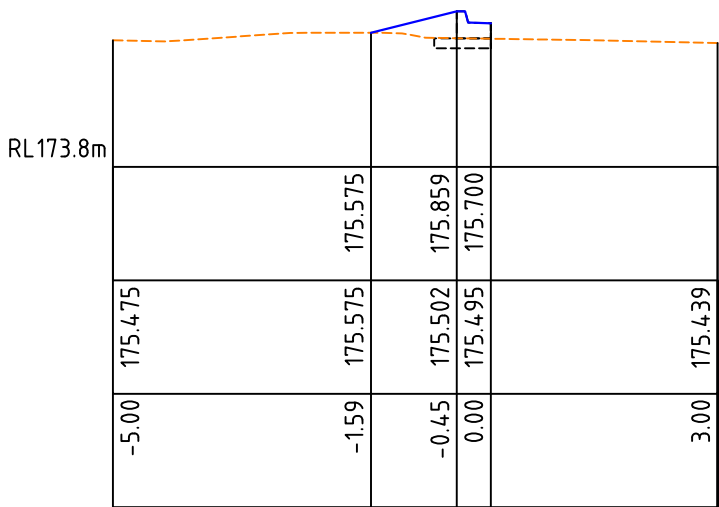
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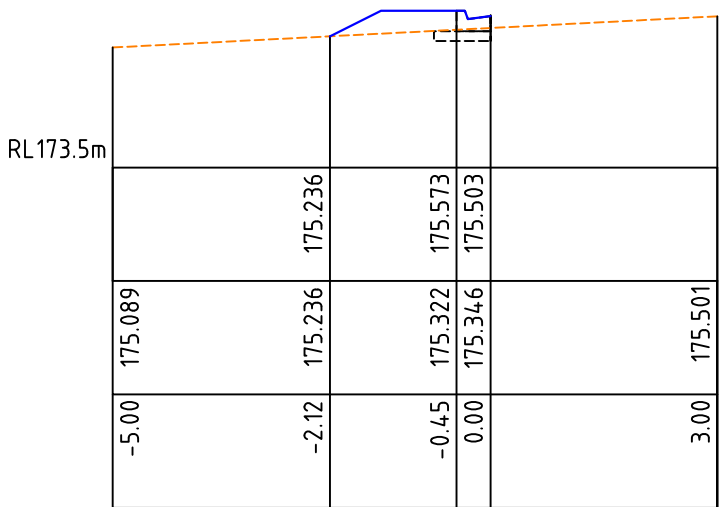
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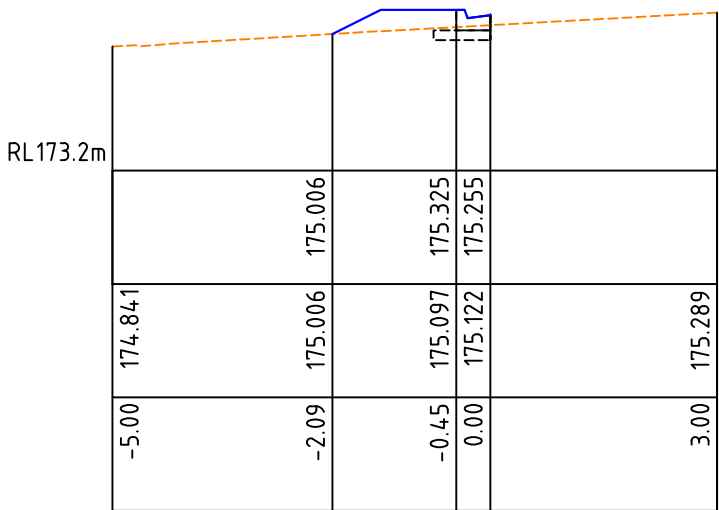
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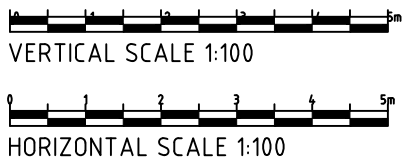
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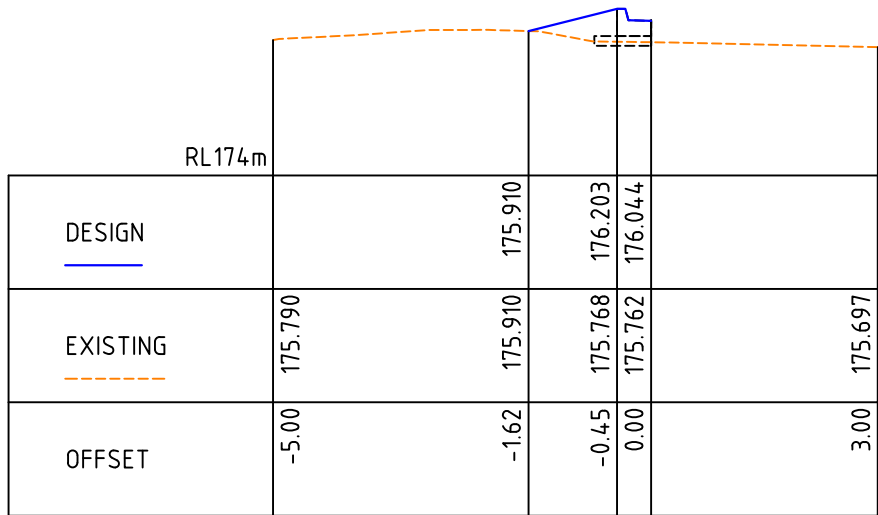
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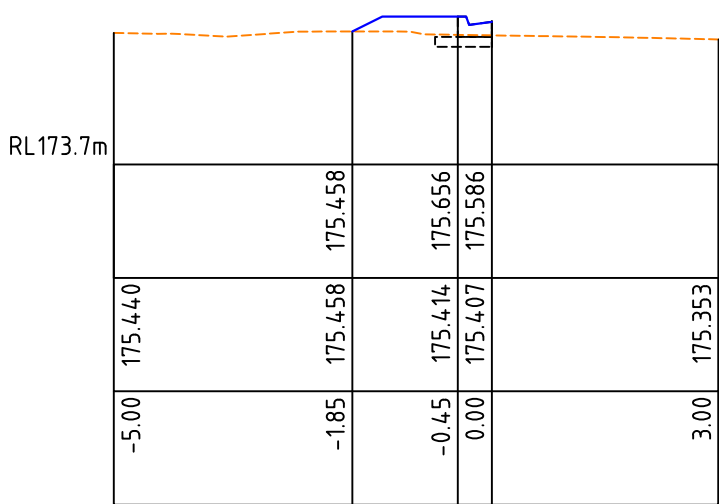
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PERIMETER CROSS SECTION

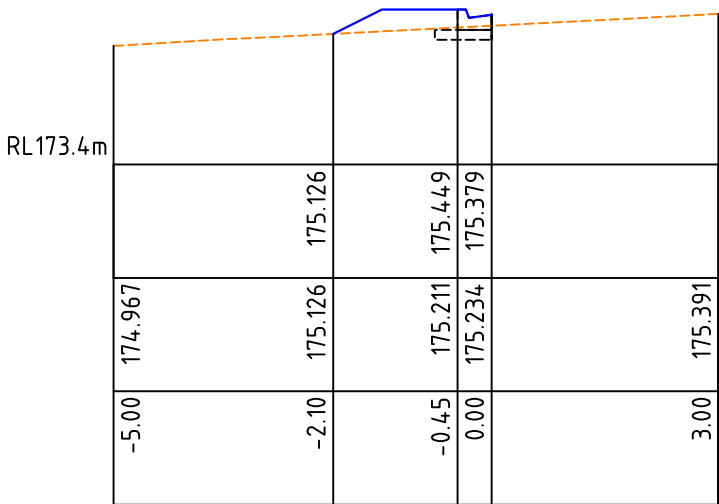
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Ch 50.00 m



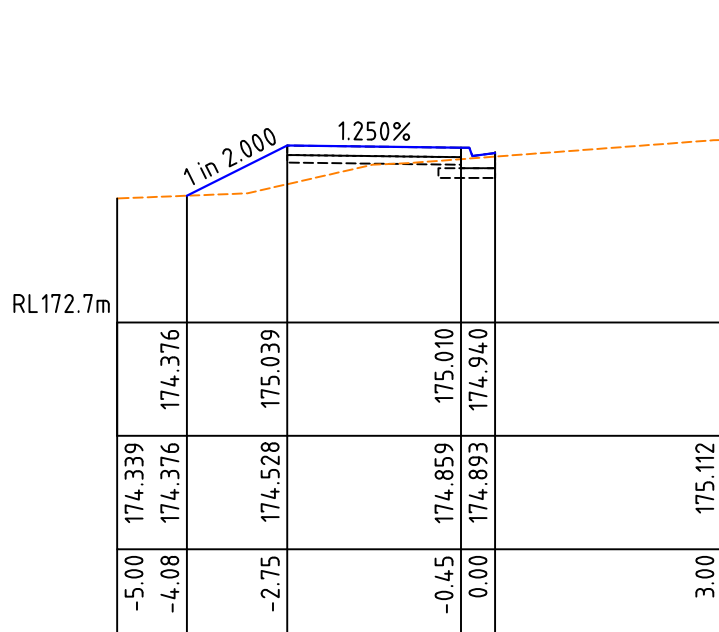
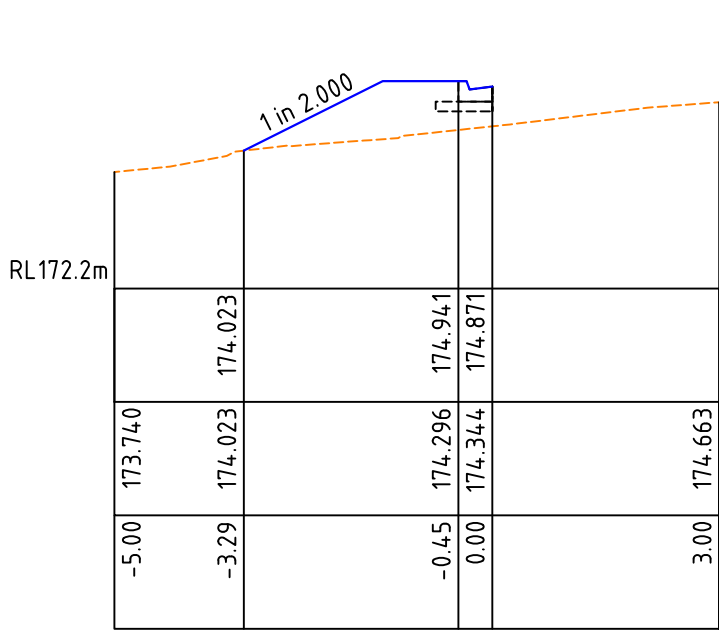
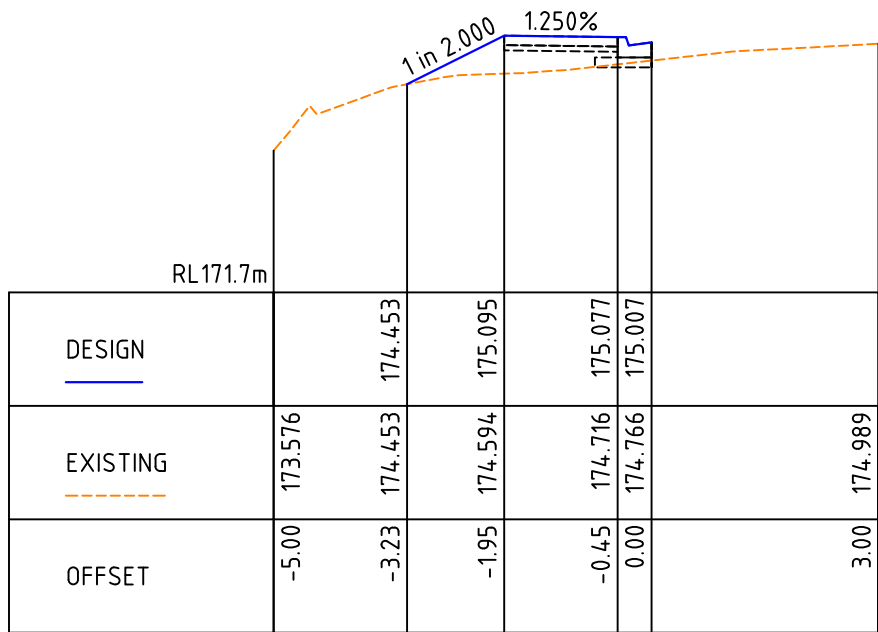
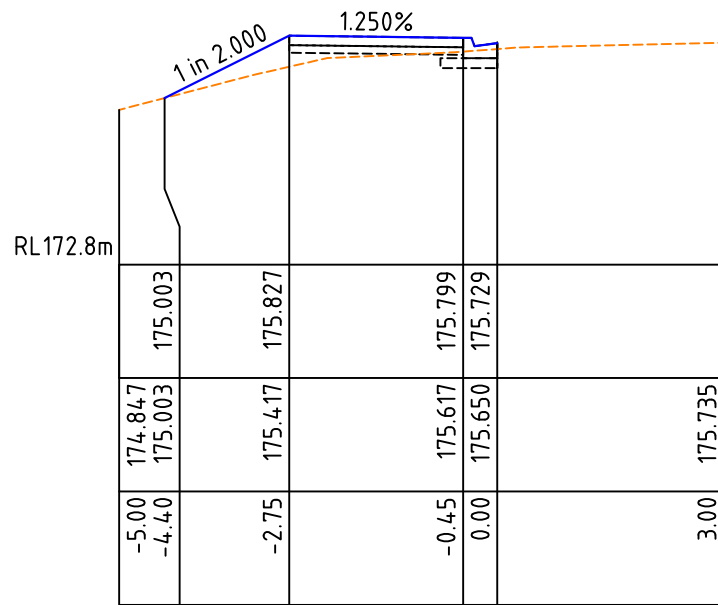
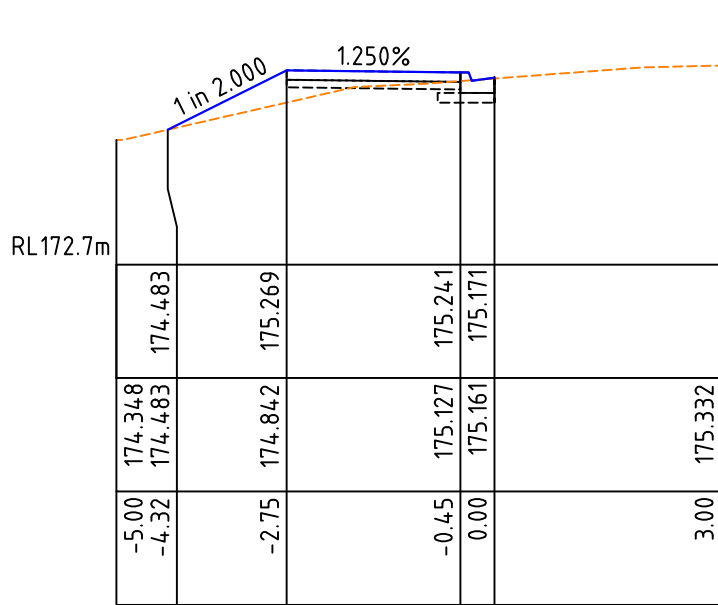
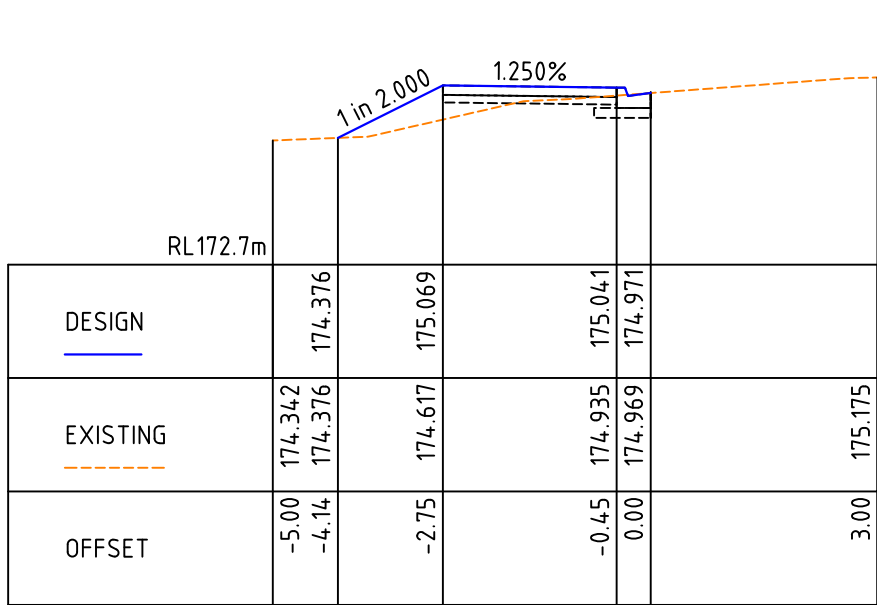
Ch 56.65 m



Ch 65.00 m

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13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX. PROP.		DATE	APR 22			P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	ALMA TRELOAR, RECREATION RESERVE COCKATOO	SHEET - 22 OF 27
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX. PROP.		CHECKED	SC	APPROVED	SC		PROPOSED CARPARK REDEVELOPMENT WORKS	REVISION - B
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX. PROP.		DATE	MAY 22	DATE	MAY 22		PERIMETER ALIGNMENT CROSS SECTION - SHEET 3 of 8	CCD REF. NO. - 22018 A3
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	EX. PROP.		DATUM	AHD	MELWAYS REF				
			PROPOSED PROPERTY INLET										

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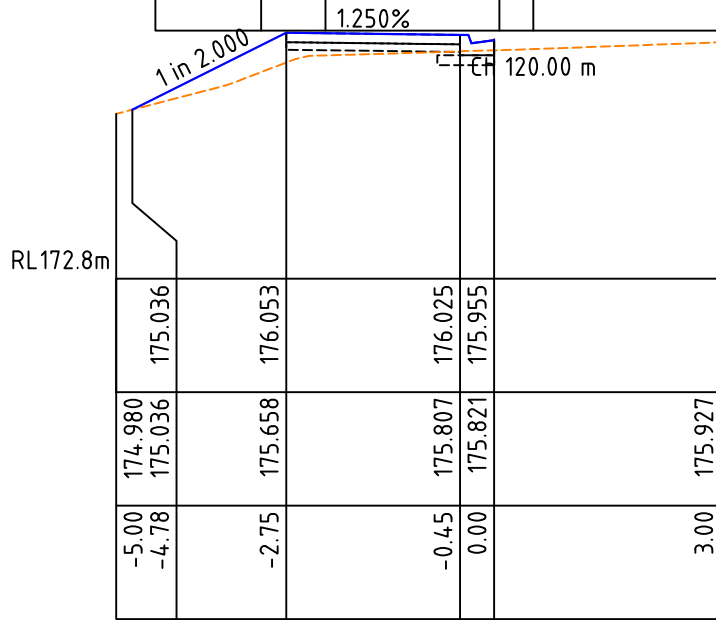
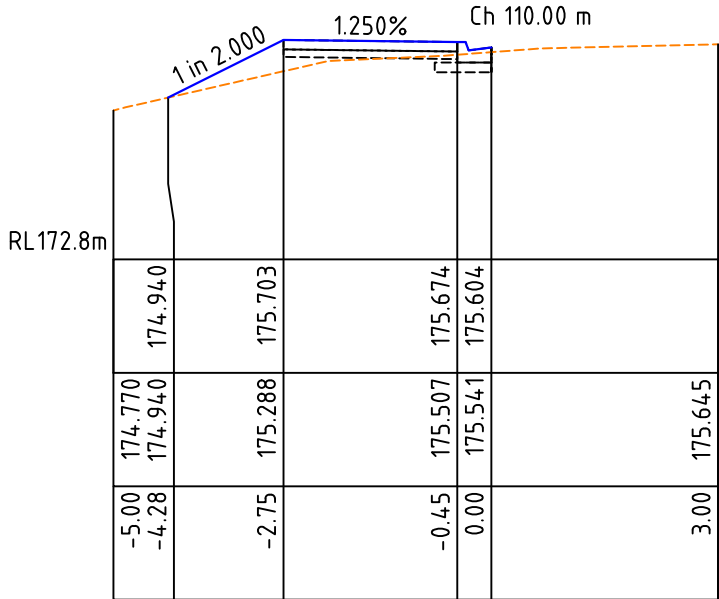
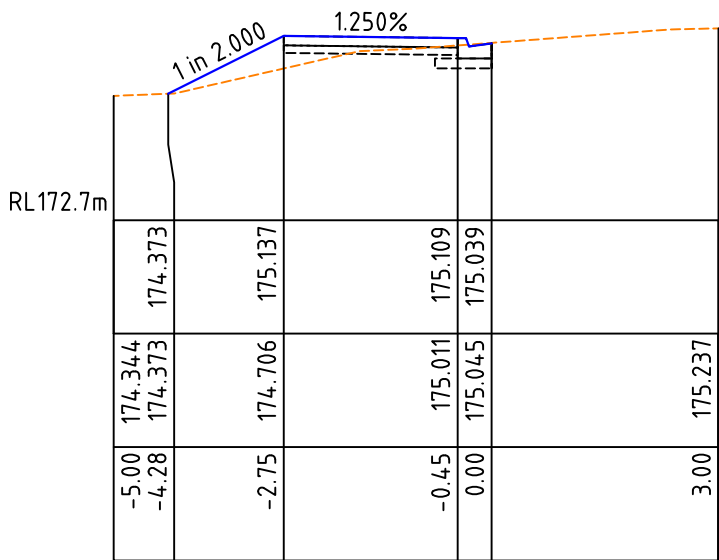
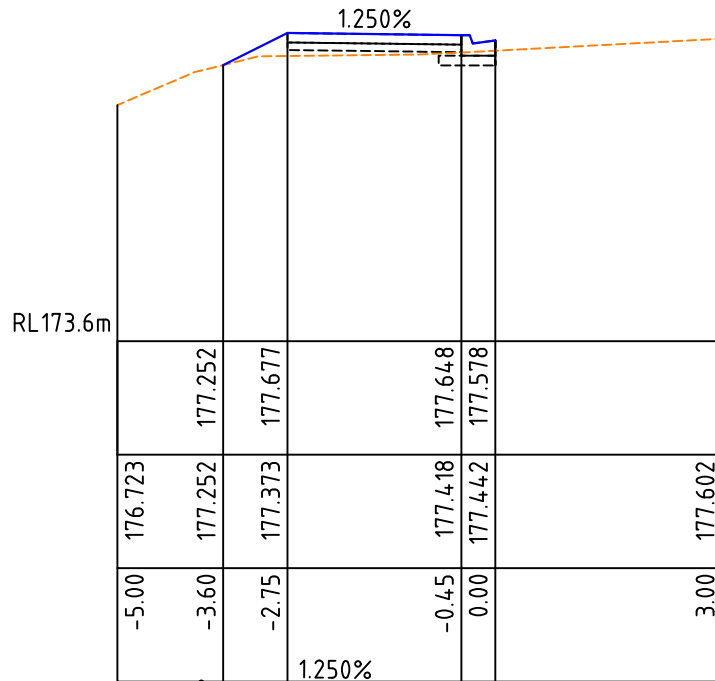
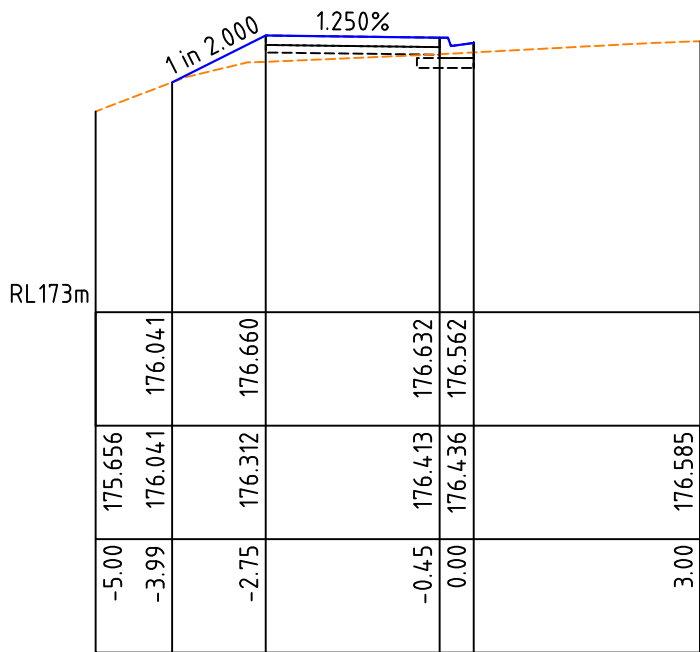
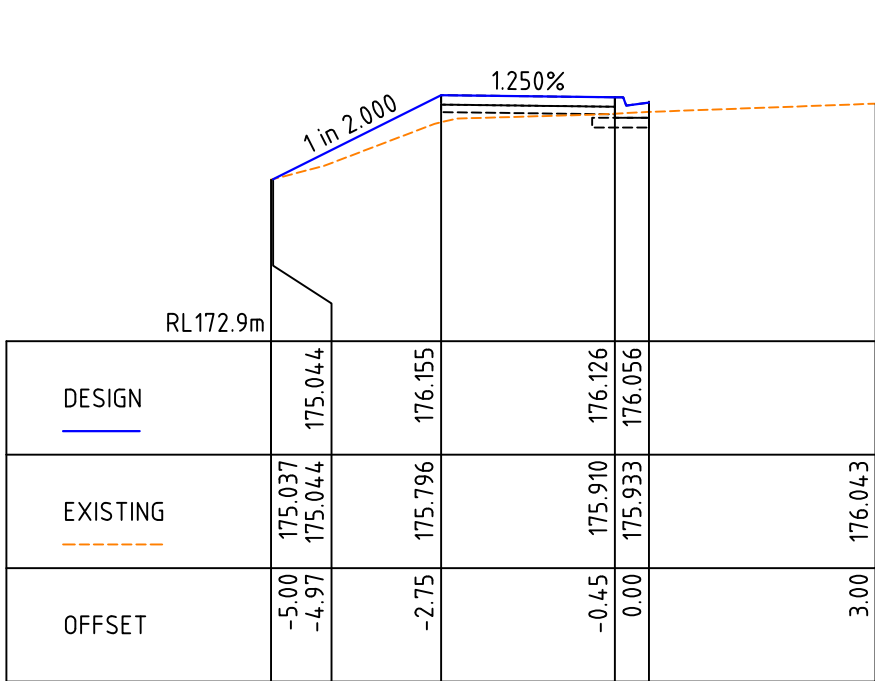
VERTICAL SCALE 1:100

HORIZONTAL SCALE 1:100

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PERIMETER CROSS SECTION
SCALE = VERTICAL 1:100, HORIZONTAL 1:100

DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROP.	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	Craig Civil Design	CARDINIA SHIRE COUNCIL	DRAWING NO. CCD22018-23
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND FITTINGS	EX.		DATE	APR 22			CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS	ALMA TRELOAR, RECREATION RESERVE COCKATOO	SHEET - 23 OF 27
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND FITTINGS	PROP.		CHECKED	SC	APPROVED	SC	P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	PROPOSED CARPARK REDEVELOPMENT WORKS	REVISION - B
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.		DATE	MAY 22	DATE	MAY 22		PERIMETER ALIGNMENT CROSS SECTION - SHEET 4 of 8	CCD REF. NO. - 22018 A3
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	EX.		DATUM	AHD	MELWAYS REF				
			PROPOSED PROPERTY INLET		PROP.								



VERTICAL SCALE 1:100



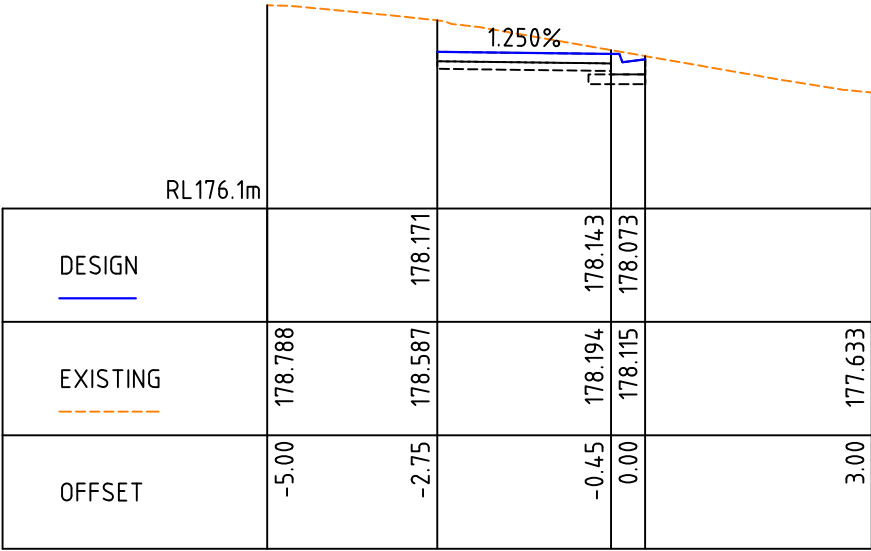
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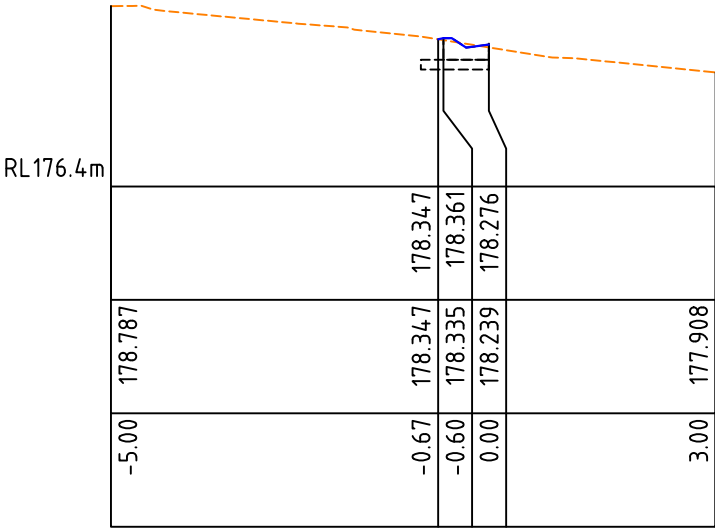
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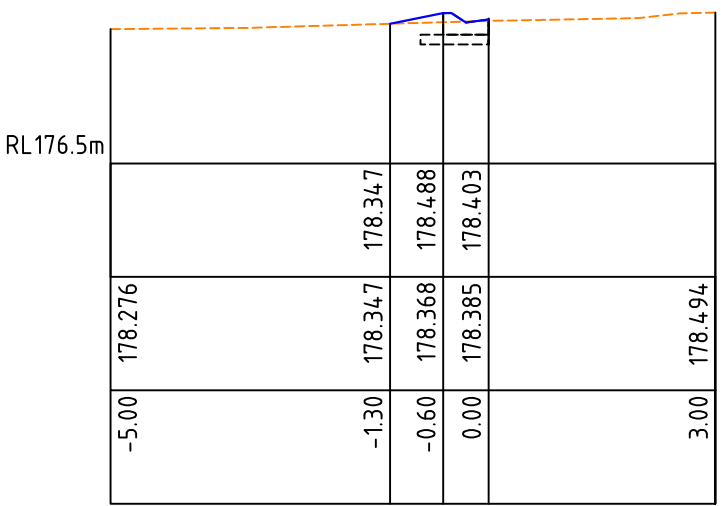
DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROP.	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL ALMA TRELOAR, RECREATION RESERVE COCKATOO PROPOSED CARPARK REDEVELOPMENT WORKS	DRAWING NO. CCD22018-24 SHEET - 24 OF 27 REVISION - B CCD REF. NO. - 22018 A3
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND ENTITIES	EX. -		DATE	APR 22					
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX. -		CHECKED	SC	APPROVED	SC			
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX. -		DATE	MAY 22	DATE	MAY 22			
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			PROPOSED PROPERTY INLET		PROP. -								



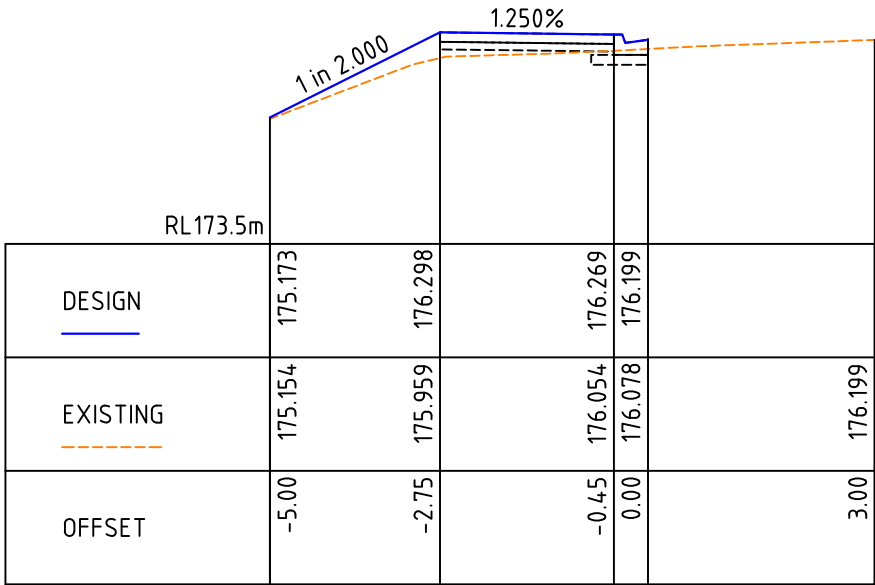
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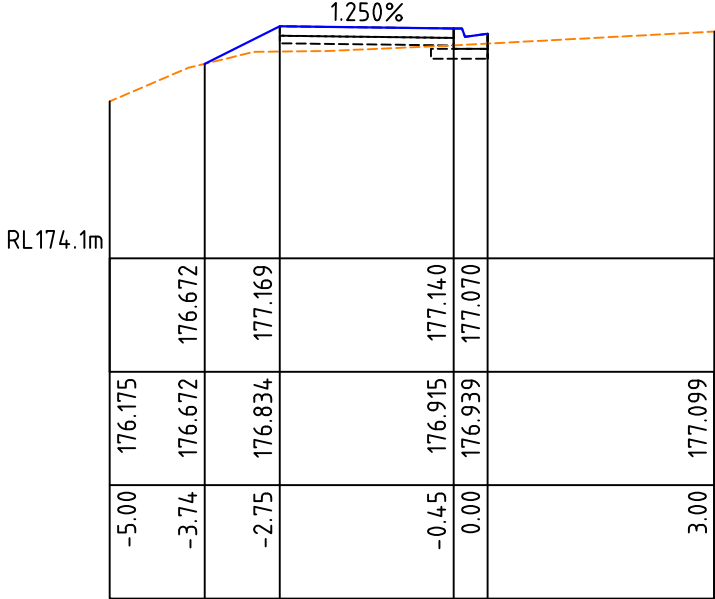
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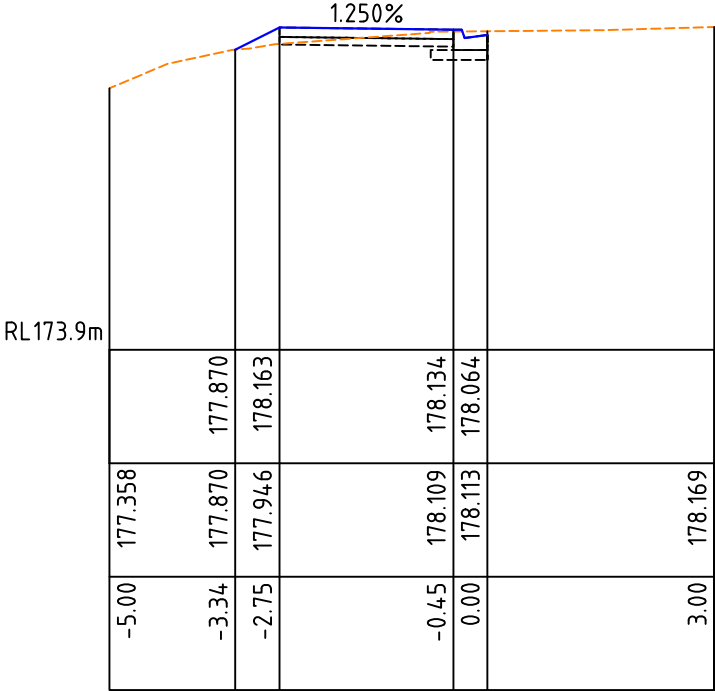
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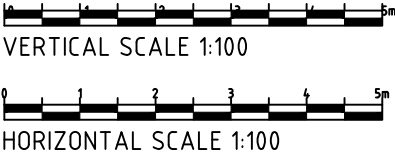
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Ch 115.00 m



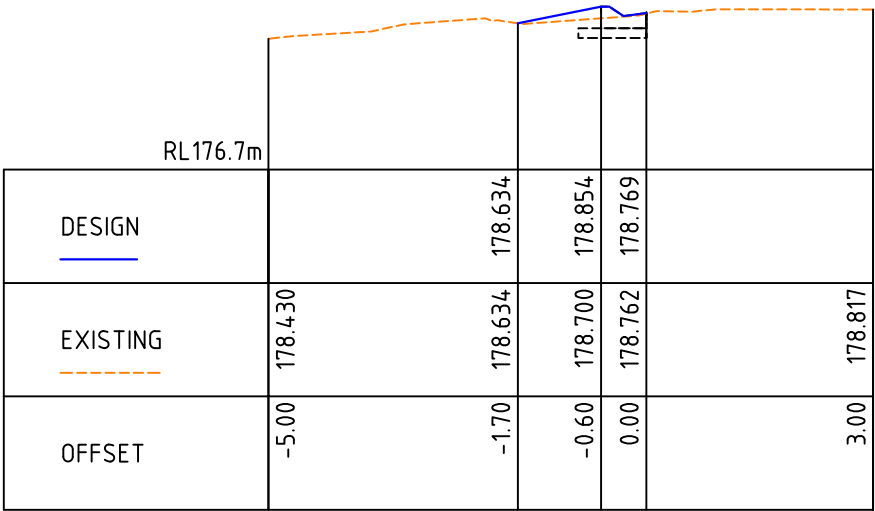
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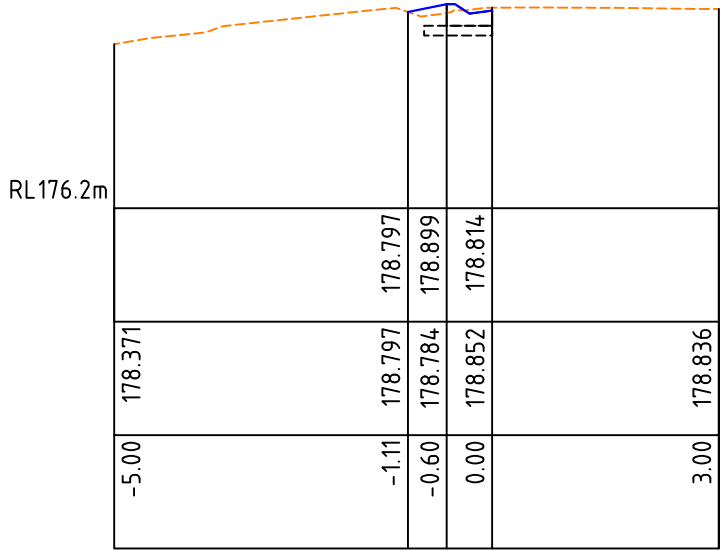
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PERIMETER CROSS SECTION
SCALE = VERTICAL 1:100, HORIZONTAL 1:100

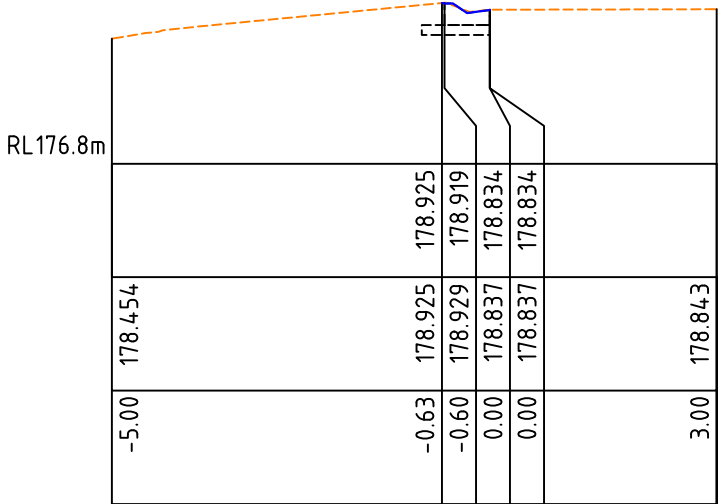
DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROP.	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL ALMA TRELOAR, RECREATION RESERVE COCKATOO PROPOSED CARPARK REDEVELOPMENT WORKS	DRAWING NO. CCD22018-25 SHEET - 25 OF 27 REVISION - B CCD REF. NO. - 22018 A3
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09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX.		CHECKED	SC	APPROVED	SC			
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.		DATE	MAY 22	DATE	MAY 22			
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			PROPOSED PROPERTY INLET		PROP.								



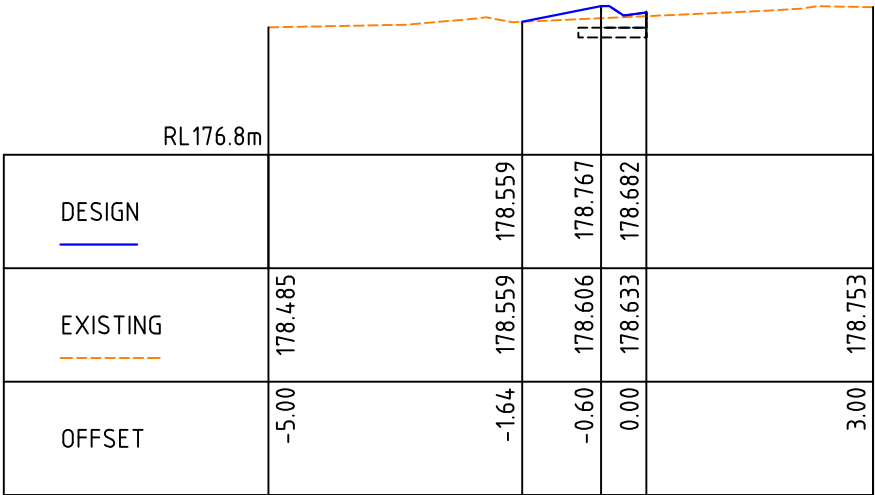
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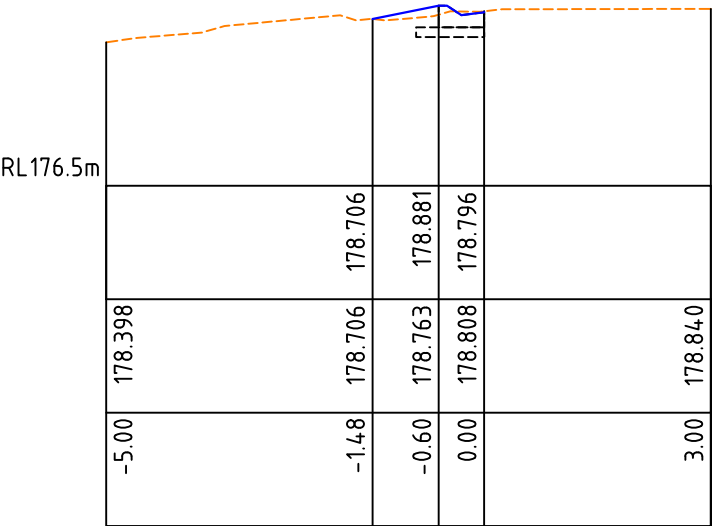
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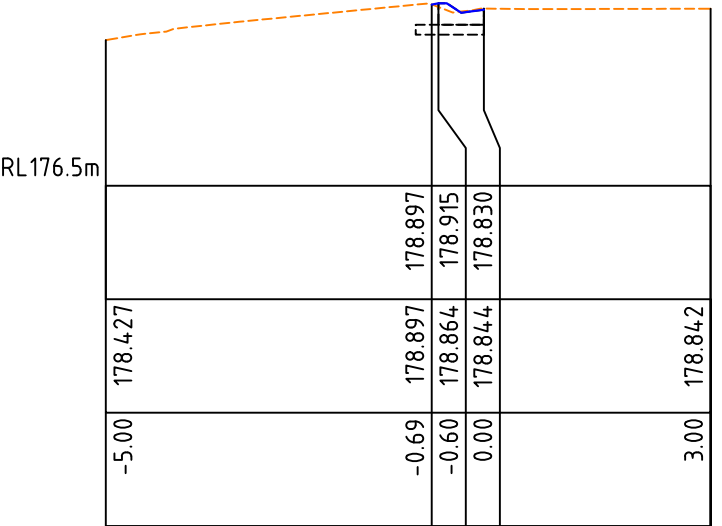
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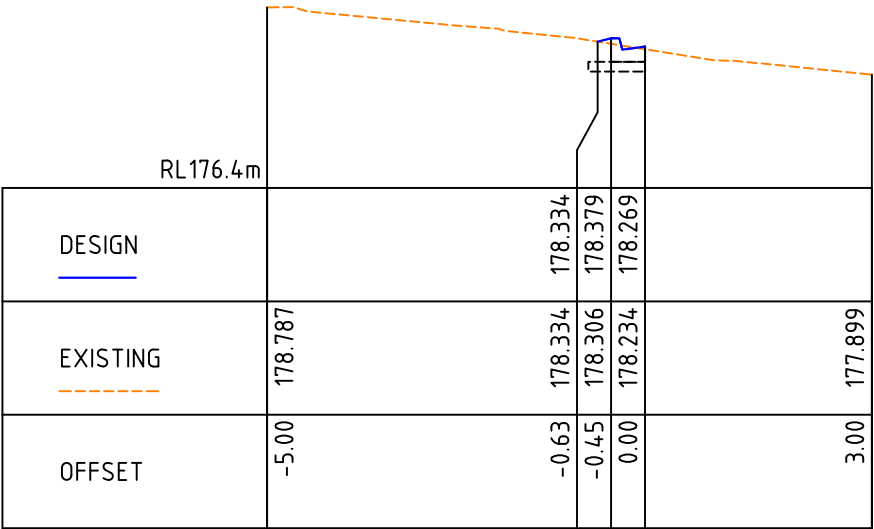
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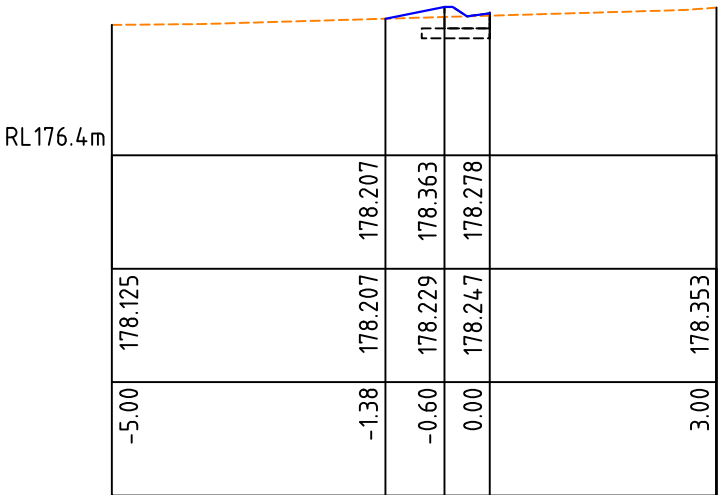
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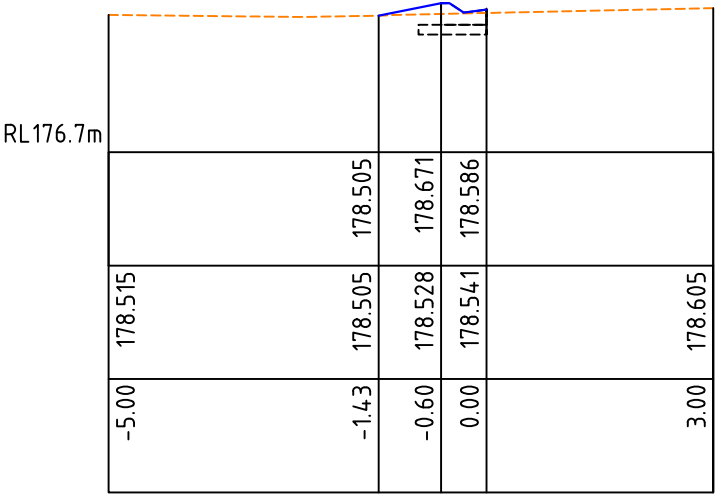
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Ch 130.00 m



Ch 130.23 m



Ch 132.55 m

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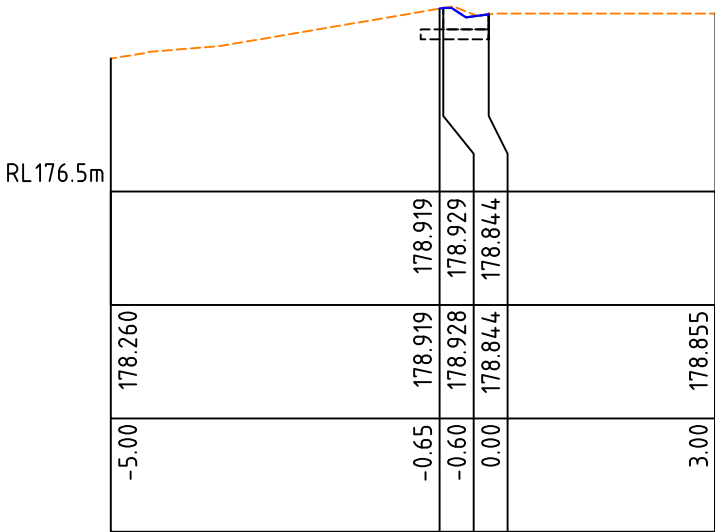
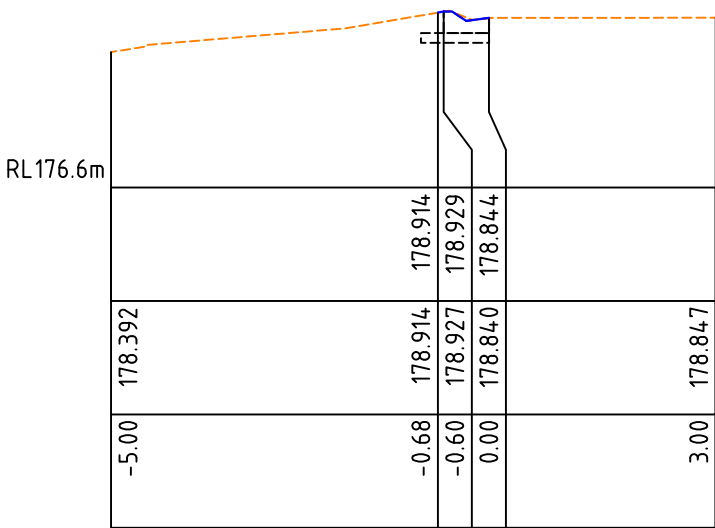
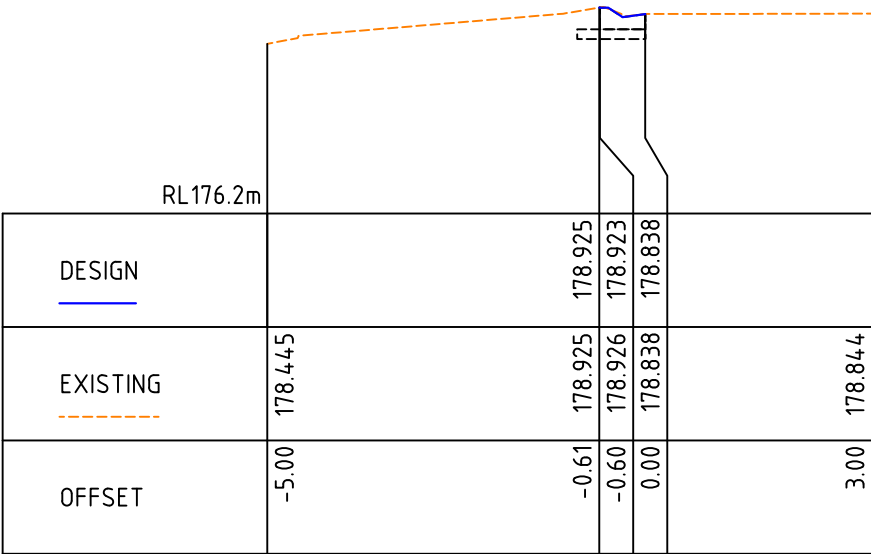
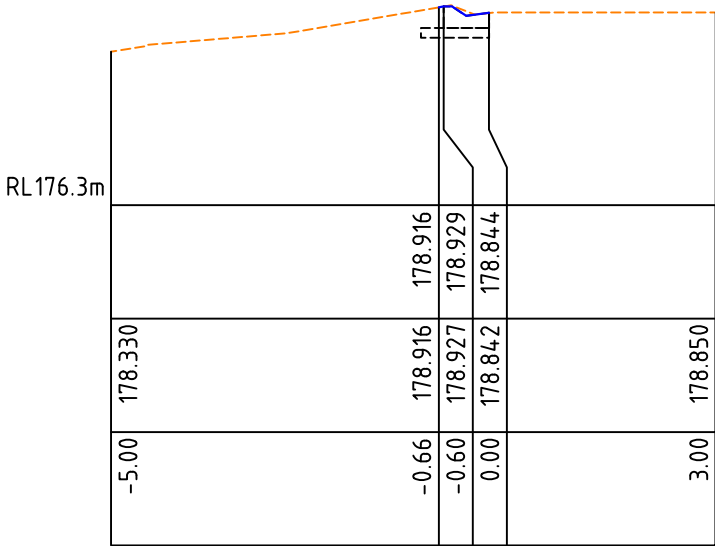
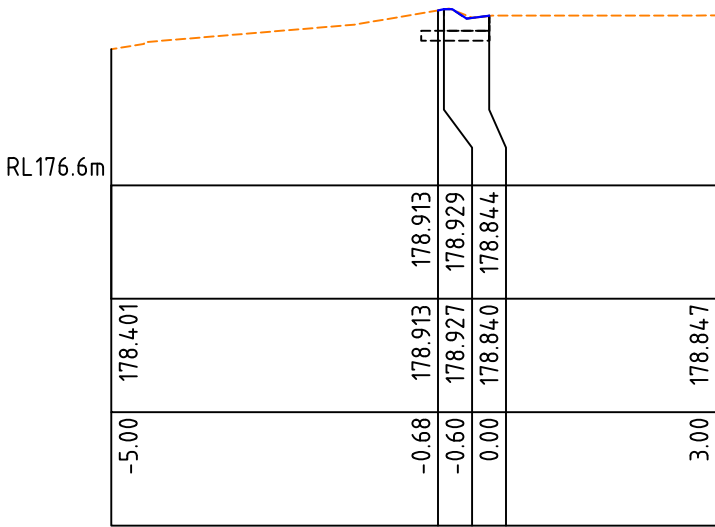
HORIZONTAL SCALE 1:100

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PERIMETER CROSS SECTION

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13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND FITTINGS	EX. -		DATE	APR 22					
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	EX. -		CHECKED	SC	APPROVED	SC			
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX. -		DATE	MAY 22	DATE	MAY 22			
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	EX. -		DATUM	AHD	MELWAYS REF				
			PROPOSED PROPERTY INLET		EX. -								



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DATE	REV	AMENDMENT	LEGEND	WATER MAINS AND FITTINGS	PROPOSED	THIS DOCUMENT/DRAWING IS PROTECTED BY FEDERAL COPYRIGHT LAW. COPYING IN ANY SHAPE OR FORM, WHOLE OR PART WITHOUT THE WRITTEN AUTHORISATION OF CRAIG CIVIL DESIGN PTY. LTD. IS STRICTLY PROHIBITED. CIVIL PROCEEDINGS CLAIMING DAMAGES OR OTHER REMEDIES MAY BE BROUGHT AGAINST PERSONS FOUND COPYING THIS DOCUMENT.	DESIGNED	IM	SCALE	AS SHOWN	Craig Civil Design CIVIL ENGINEERING CONSULTANTS & PROJECT MANAGERS P.O. BOX 1207, NARRE WARREN 3805 A.C.N. 159 212 245 PHONE: 03 5995 4388 admin@craigcivil.com.au	CARDINIA SHIRE COUNCIL		DRAWING NO.
13.10.2022	A	SUBMITTED FOR COMMENTS	EXISTING KERB AND CHANNEL	SEWER MAINS AND FITTINGS	EX.		DATE	APR 22				ALMA TRELOAR, RECREATION RESERVE COCKATOO		CCD22018-27
09.05.23	B	WSUD SWALE DRAIN INCLUDED WITH TREE PITS	PROPOSED KERB AND CHANNEL	GAS MAINS AND PITS	PROP.		CHECKED	SC	APPROVED	SC		PROPOSED CARPARK REDEVELOPMENT WORKS		SHEET - 27 OF 27
			EXISTING DRAINS AND PITS	TELECOM CABLES AND PITS	EX.		DATE	MAY 22	DATE	MAY 22		PERIMETER ALIGNMENT CROSS SECTION - SHEET 8 of 8		REVISION - B
			PROPOSED DRAINS AND PITS	ELEC. CABLES AND PITS	PROP.		DATUM	AHD	MELWAYS REF					CCD REF. NO. - 22018 A3