Appendices

Appendix A – Turkey Point Access Road and Bridge 15% Preliminary Design (Arcadis, 2021)



SOUTHERN PORTS AUTHORITY PORT OF BUNBURY TURKEY POINT ACCESS ROAD & BRIDGE

CITY OF BUNBURY 15% PRELIMINARY DESIGN



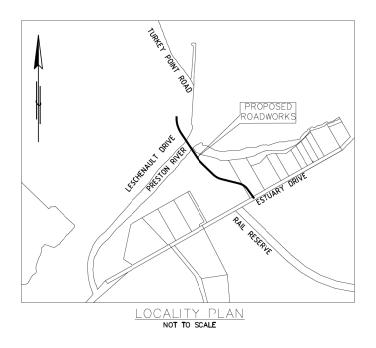


TURKEY POINT ACCESS RCAD AND BRIDGE

SOJTHERN PORTS AUTHORITY

PORT OF BUNBURY





MANDURAH NORTH BANNISTER SV PINJARRA 오 O WAROONA WILLIAMS OHARVEY : MYALUP O LOCATION BRUNSWICK O JUNCTION DARKAN O RIVE COLLIE BUNBURY 6 43> M37 BOYANUP MUMBALLUP CAPEL O Donnybrook M7 BUSSELTON BALINGUP GREENBUSHES O BOYUP BROOK **JARRAHWOOD** O B MAYANUP O MARGARET RIVER BRIDGETOWN KEY PLAN NOT TO SCALE

KWINANA ROCKINGHAM

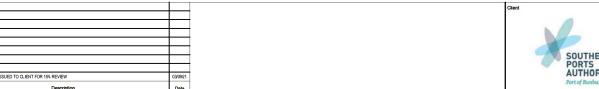
INDEX SHEET

30093405-AAP-CS100-DRG-102

30093405-AAP-CV100-DRG-001 CONTRACT COVER SHEET 30093405-AAP-CV100-DRG-002 LOCALITY PLAN AND INDEX SHEET 30093405-AAP-CV100-DRG-101 TURKEY POINT ACCESS ROAD - PLAN & PROFILE ESTUARY DRIVE - PLAN & PROFILE 30093405-AAP-CV100-DRG-102 30093405-AAP-CV100-DRG-111 UTILITIES 30093405-AAP-CV100-DRG-201 TYPICAL CROSS SECTIONS 30093405-AAP-CV100-DRG-501 CROSS SECTIONS - SHEET 1 30093405-AAP-CV100-DRG-502 CROSS SECTIONS - SHEET 2 30093405-AAP-CV100-DRG-503 CROSS SECTIONS - SHEET 3 30093405-AAP-CV100-DRG-504 CROSS SECTIONS - SHEET 4 30093405-AAP-CV100-DRG-505 CROSS SECTIONS - SHEET 5 30093405-AAP-CV100-DRG-506 CROSS SECTIONS - SHEET 6 30093405-AAP-CV100-DRG-507 CROSS SECTIONS - SHEET 7 30093405-AAP-CV100-DRG-508 CROSS SECTIONS - SHEET 8 CROSS SECTIONS - SHEET 9 30093405-AAP-CV100-DRG-509 30093405-AAP-CV100-DRG-510 CROSS SECTIONS - SHEET 10 30093405-AAP-CV100-DRG-601 DRAINAGE LAYOUT 30093405-AAP-CV100-DRG-901 DEVELOPMENT ENVELOPE 30093405-AAP-CS100-DRG-101 BRIDGE - PLAN AND ELEVATION

BRIDGE - SECTIONS

PRELIMINARY PLAN ONLY NOT TO BE USED FOR CONSTRUCTION





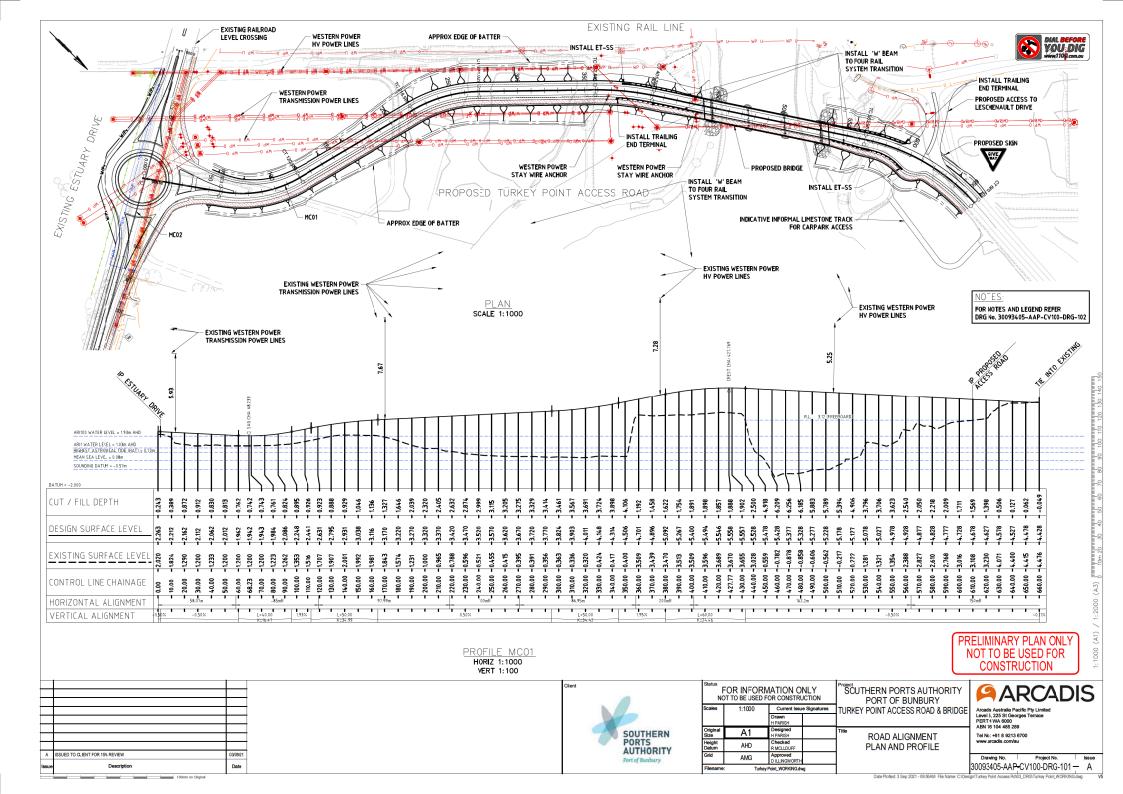
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Filename	300934	05-AAP-CV100-DRG-002.dwg	

Project SOUTHERN PORTS AUTHORITY PORT OF BUNBURY IRKEY POINT ACCESS ROAD & BRIDGE

TURKEY POINT ACCESS ROAD DRAWING LIST



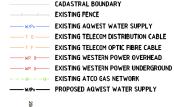
Drawing No. 30093405-AAP-CV100-DRG-002 - A



NOTES:

- 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. THIS DRAWING WAS PRODUCED IN COLOUR AND SHOULD BE PRINTED AS SUCH FOR GREATER CLARITY.
 3. DESIGN SPEED;
 TURKEY POINT ACCESS ROAD: 60km/h (50km/h POSTED)
 4. DESIGN YERICE = 26m B-DUBLE
 5. BARRIER DESIGN SHALL BE READ IN CONJUNCTION WITH MAIN ROADS STANDARD DRAWING NOS 0330-1646, 0430-0767, 0430-0772 TO 0430-0775, 9548-106 AND 200331-014.

LEGEND:



SHARED PATH TABLE DRAIN

PROPOSED FENCE

CADASTRAL BOUNDARY REFERENCE LINE CARRIAGEWAY EDGE LINES PROPOSED FRONT OF KERB BATTER (1V:3H TYPICAL)

PRELIMINARY PLAN ONLY NOT TO BE USED FOR

CONSTRUCTION

SOUTHERN PORTS AUTHORITY Port of Bunbury

	OR INFORM OT TO BE USED F			Pr
Scales	1:1000	Current Issu	e Signatures	lπ
		Drawn H PARISH		l''
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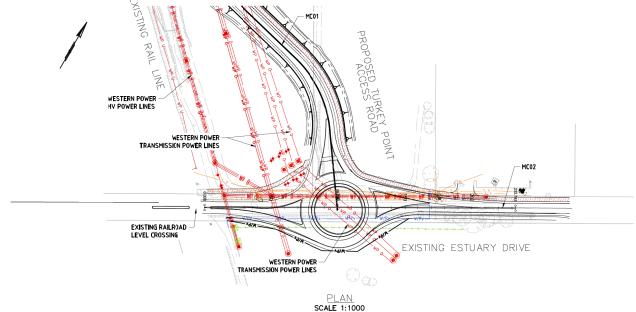
Turkey Point WORKING.dwg

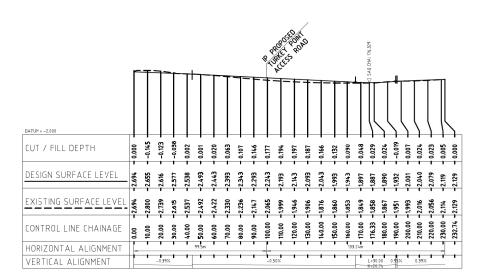
SCUTHERN PORTS AUTHORITY PORT OF BUNBURY TURKEY POINT ACCESS ROAD & BRIDGE

> ESTUARY DRIVE PLAN AND PROFILE

Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace PERT-I WA 6000 ABN 76 104 485 289 Tel No: +61 8 9213 6700 www.arcadis.com/au

30093405-AAP-CV100-DRG-102 - A

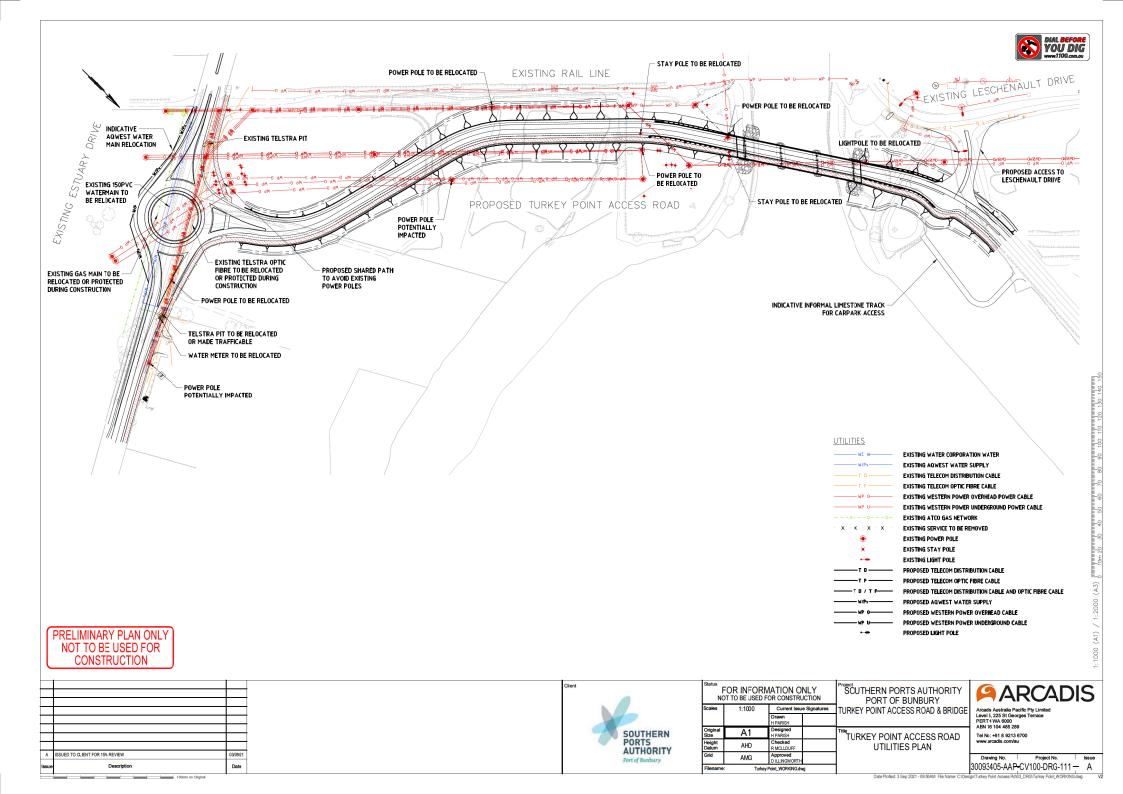




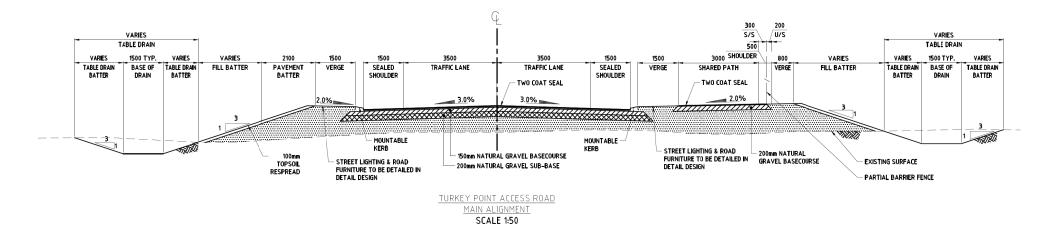
PROFILE MC02 HORIZ 1:1000

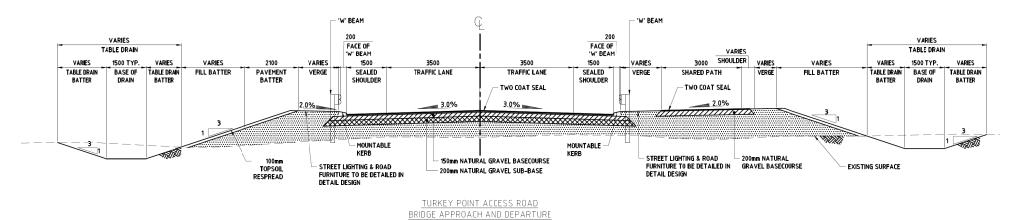
VERT 1:100

SSUED TO CLIENT FOR 15% REVIEW

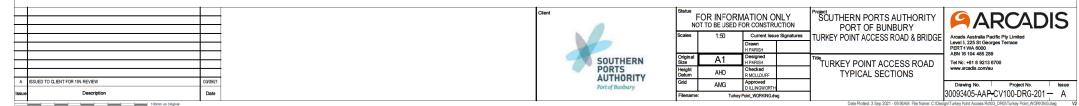




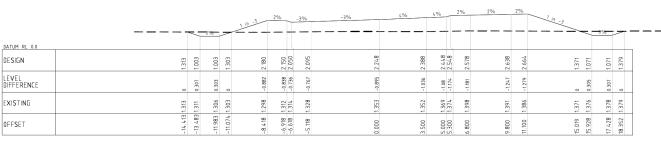








SCALE 1:50



CHAINAGE 100.000

		_	0 %	<u>ر</u>	in -3	2%	-3%	-3%	_	4%	%	2%	2%	2%	1 in -3	_	**	7 -
DATUM RL 0.0									_									\vdash
DESIGN	1.330	1.066	1.066	1.366	1.861	1.831	1.776		1.984	2.124	2.184	2.314	2.374	007 2	28	0.960	096.0	1.261
LEVEL DIFFERENCE	0	0.273	67.0	0	-0.478	-0.431	-0.576		-0.761	-0.885	-0.939	-1.061	-1.117	-1162		0.3	0.301	
EXISTING	1,330	1.339	1.356	1.366	1.383	1.400	1.200		1.223	1.238	1.245	1.253	1.257	1 25R		1.260	1.260	1.261
OFFSET	246'71-	-14.150	-12.650	-11.741	-10.243	-8.743	-6.943		0.000	3.500	5.000	6.800	0.800	11 100				17.868

CHAINAGE 80.000

		<u></u>	0%	_	29	<u></u>	-3%	-3%	2.33%	2.33%	2%	2%	2%	1 in -3	_	-0% -	
DATUM RL 0.0																	
DESIGN	1.466	1.133	1.133	1.433	1.759	1.729	1.674	1.962	2.044	2.079	2.209	2.269	2.295	1149	0.849	0.849	1.168
LEVEL DIFFERENCE	0	0.33	0.329	0	-0.384	-0.521	-0.474	-0.762	-0.844	-0.893	-1.043	-1.134	-1.164		0.305	0.313	0
EXISTING	9911	1.463	1.462	1.433	1.375	1.208	1.200	1.200	1.200	1.186	1.166	1.135	1.131	1149	1.154	1.162	1.168
OFFSET	-17.312	-16.314	-14.814	-13.905	-12.919	-11.419	-9.619	0.000	3.500	5.000		008'6	11.100	14 572		16.981	17.935

CHAINAGE 60.000

_		140-3	-0%	<u></u> -	in -3	2%	-3%		0.67%	0	.67%	2%	2% 2%	1 in -3	_		=-	- -
DATUM RL 0.0															\perp			
DESIGN	1.312	96.0	0.965		1.741	1.711	1.656	2.012		2.040	2.050	2.180	2.240	2.266	1140	0.840	0.840	1.14.7
LEVEL DIFFERENCE	0	0.335	0.311		-0.495	-0.484	-0.451	-0.813		-0.88	-0.904	-1.051	-1.115	-1.137	0	0.303	0.307	0
EXISTING	1.312		1.276		1.24.7	1.228	1.205	1.200		1.160	1.146	1.129	1.125		-	4	1.14.7	1.147
OFFSET	-20.067	-19.023	-17.523	9	-15.170	-13.670	-11.870	000.0		:145	5.945	1,445	0.445	1.745			5	684.8

CHAINAGE 50.000

NOTES:

1. ALL ROAD FURNITURE IS NOT SHOWN

PRELIMINARY PLAN ONLY
NOT TO BE USED FOR
CONSTRUCTION

Issue	Description	Date
۶	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21



		RMATION ONI FOR CONSTRUC		ľ
Scales	1:100	Current Issue S	ignatures	ТП
		Drawn H PARISH		1"
Original Size	A1	Designed H PARISH		Ti
Height Datum	AHD	Checked R MCLLDUFF		1
Grid	AMG	Approved D ILLINGWORTH		1
Filename:	3009340	5-AAP-CV100-DRG-501.dv	vg	1

Project
SCUTHERN PORTS AUTHORITY
PORT OF BUNBURY
TURKEY POINT ACCESS ROAD & BRIDGE

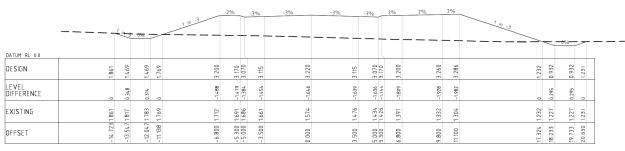
TURKEY POINT ACCESS ROAD CROSS SECTIONS SHEET 1 OF 10

1	ARCADIS
GE	Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace PERT-I WA 6000

ABN 76 104 485 289 Tel Nc: +61 8 9213 6700 www.arcadis.com/au

Drawing No. | Project No. | Issue | 30093405-AAP-CV100-DRG-501 — A





CHAINAGE 180.000

		1 in 3	0%-	>	1 in :3	2%	-3%	-3%	-3%	-3%	2%	2%	2%	1 in -3	_		%- -	> -
DESIGN	2.354	1.964	1.964	797	3.096	3.066	3.011	911	3.011	2.966	3.096	3.156	3.182	000	6	1.289	00	535
LEVEL DIFFERENCE	2	36	0.324 1.		-0.907	-0.923 3		1.136 3.	1.15			-1417 3	-1.478		١,	0.283	752	1.
EXISTING	2.354	2.324	2.287	797	2.189	2.143	2.087	1.981	1.896			1.739	1.704				247	1.535
OFFSET	-12.903	-11.732	-10.232	-9.323	-6.800	-5.300	-3.500	0000	3.500	000	800	. 008:6		7.00	_	16.836	8.336	19.072

CHAINAGE 160.000

		<u></u>	-0 % -	_	1 in .3	2%	-3%	-3%	-2%	-2%	2%	2%	2%	1 in -3	_	-0% -		
DESIGN	2.033	1.783	1.783	2.083	2.911	2.881	2,826	2.931		1987	2.931	3.021	3.047	F 23	1573	1573	1.847	
LEVEL DIFFERENCE		97.0	0.286	0	-0.826	-0.802				H6:0-	-0.992	-1.114		c	0.293	0.281	0	
EXISTING	2.033	2.043	2.069	2.083	2.085	2.079	2.070			1.950	1.938	1.907		1873	1.865	1.854	1.847	
OFFSET	-12.468		-10.218	-9.309	-6.800	-5.300	n m		1	3.500	5.300	9.800	11.100		15.567	17.067	17.890	

CHAINAGE 140.000

		7	- 0 % -	_	1 in -3	2%	-3%	-3%	2%		2%	2%	2%	2%	1 in -3	_	7	8 % -	
DATUM RL 0.0				+			_			+	-					+	+		+
DESIGN	1 5 4 9	1.338	1.338	1.638	2.595	2.565	2.510	2.631		2.701	2.731	2.861	2.921	2.94		1.754	1.454	1.454	1.690
LEVEL DIFFERENCE		0.272	0.291		-0.927	-0.891	-0.828	-0.923		-0.941	-0.953	-1.076	-1.134	-1.165		0	0.288	0.26	0
EXISTING	-	4	1.629	1.638	1.669	1.674	1.682	1.707		1.760	1.778	1.784	1.787	1.781		1.754	7.74.7	1.713	1.690
OFFSET	00781	9	-11.116	-10.207	-7.306	-5.806	900.4-	000.0		3.500	5.000	9.800	9.800	11.100		14.715	12.624	17.124	17.833

CHAINAGE 120.000

NOTES:

1. ALL ROAD FURNITURE IS NOT SHOWN

PRELIMINARY PLAN ONLY
NOT TO BE USED FOR
CONSTRUCTION

Issue	Description	Date
>	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21
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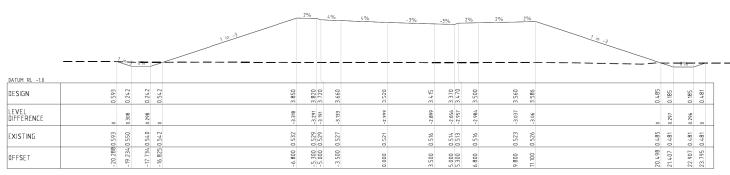
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Scales	1:100	1:100 Current Issue Signatur					
		Drawn H PARISH					
Original Size	A1	Designed H PARISH					
Height Datum	AHD	Checked R MCLLDUFF					
Grid	AMG	Approved D ILLINGWORTH	\neg				
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Project SCUTHERN PORTS AUTHORITY PORT OF BUNBURY TURKEY POINT ACCESS ROAD & BRIDG

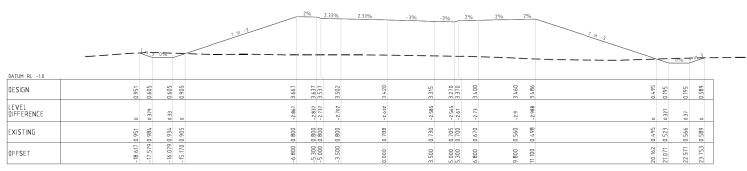
TURKEY POINT ACCESS ROAD
CROSS SECTIONS
SHEET 2 OF 10

ГΥ	ARCADIS
DGE	Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace PERT+ WA 6000 ABN 76 104 485 289
.D	Tel No: +61 8 9213 6700 www.arcadis.com/au

Drawing No. | Project No. | Issue | 30093405-AAP=CV100-DRG-502 — A



CHAINAGE 240.000



CHAINAGE 220.000

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DATUM RL 0.0								\Box				1946
DESIGN	1.231	0.876	3.375	3.245	3.267	3.320	3.215	3.170	3.300	3.360	3.386	0.980 0.680 0.680 0.904
EVEL DIFFERENCE	0.334		-2.313	-2.289	-2.231	-2.32	-2.215	-2.17		-2.36	-2.388	0 0.274
XISTING	1.231	1.187	1.062	1.056	1.036	1.000	1.000	1.000	1.000	1.000	866.0	0.980 0.955 0.917 0.904
DEFSET	16.942	4 0	. 008.9	5.300	3.500	000	200	88		008	001	3.390 9.299 0.799

CHAINAGE 200.000

NOTES:

1. ALL ROAD FURNITURE IS NOT SHOWN

PRELIMINARY PLAN ONLY NOT TO BE USED FOR CONSTRUCTION

Issue	Description	Date
Α	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21
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	6
-	SOUTHERN PORTS AUTHORITY Port of Bunbury

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Scales	1:100	Current Issue Signatu	res TU
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Original Size	A1	Designed H PARISH	Title
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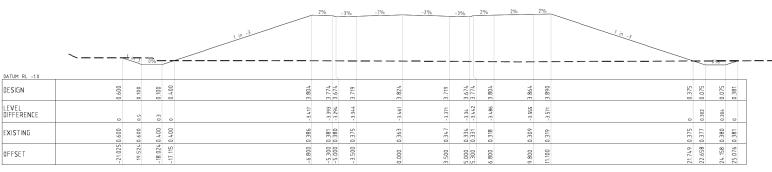
Project
SOUTHERN PORTS AUTHORITY
PORT OF BUNBURY
TURKEY POINT ACCESS ROAD & BRIDGE

TURKEY POINT ACCESS ROAD CROSS SECTIONS SHEET 3 OF 10

ГΥ	ARCADIS
DGE	Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace PERT-I WA 6000

Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace PERT-1 WA 6000 ABN 76 104 485 289 Tel No: +61 8 9213 6700 www.arcadis.com/au

Drawing No. | Project No. | Issue | 30093405-AAP=CV100-DRG-503 — A



CHAINAGE 300.000

	\	Lin	0%		15.3	2%	0.5%	0.5%	-3%		3%	2%	2%	2%	110-3
DESIGN	7257	0.152	0.152	0.452	3.975	3.845	752	15/13/		3.615	3.570	3.700	3.760	3.786	0.447
LEVEL DIFFERENCE	0	0.351 0.	0.319 0.	0.	-3483			232		-3.215	-3.168 3.	-3.298 3.	-3.357 3.	-3.383	0.276 0.276 0.00
EXISTING	0.527	0.503	0.471	0.452	0.392	0.394	7000	0.397		0.400	0.402	0.402	0.403	0.403	0.447
OFFSET	-20.707	-19.582	-18.082	-17.173	0.800	-5.300	000	-3.500		3.500	5.000	008.9	9.800	11.100	21.218 22.127 23.627 24.436

CHAINAGE 280.000

-			0%		2%	3.83%	3.83%	-3%	3	%	2%	2%	2%	10.3
DESIGN	0.738	111.0	0.111	3.942	3.912	3.754	3.620		3.515	3.570	3.600	3.660	3.686	0.091
LEVEL DIFFERENCE	0	0.512		-3.537	-3.507	-3.346	-3.205		-3.093	-3.045	-3.17	-3.221	-3.243	
EXISTING	0.738	0.623	0.480	0.405	0.405	90.4.08	0.415		0.422	0.425	0.430	0.439	0.443	0.391 0.387 0.377
OFFSET	-21.790	-19.908	-18.408	-6.800	-5.300	-3.500	0.000		3.500	5.000	008.9	9.800	11.100	21.084. 21.993 23.493 24.351

CHAINAGE 260.000

NOTES:

1. ALL ROAD FURNITURE IS NOT SHOWN

PRELIMINARY PLAN ONLY NOT TO BE USED FOR CONSTRUCTION

A	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21
Α	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21
A Issue		03/09/21 Date

	6
7	SOUTHERN PORTS AUTHORITY Port of Bunbury

		RMATION ONLY FOR CONSTRUCTION	
Scales	1:100	Current Issue Signatu	res TU
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Original Size	A1	Designed H PARISH	Title
Height Datum	AHD	Checked R MCLLDUFF	
Grid	AMG	Approved DILLINGWORTH	
Filename:	3009340	05-AAP-CV100-DRG-504.dwg	

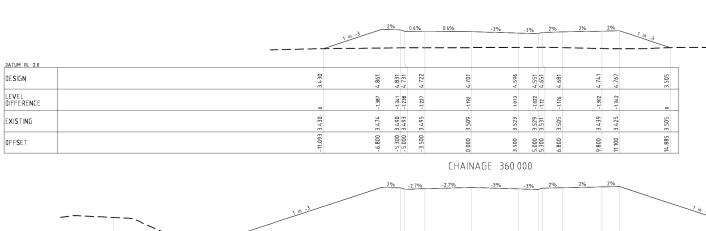
SOUTHERN PORTS AUTHORITY PORT OF BUNBURY URKEY POINT ACCESS ROAD & BRID

TURKEY POINT ACCESS ROAD CROSS SECTIONS SHEET 4 OF 10

Υ	ARCADIS
DGE	Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace

PERTH WA 6000 ABN 76 104 485 289 Tel No: +61 8 9213 6700 www.arcadis.com/au

Drawing No. Project No. 30093405-AAP-CV100-DRG-504 — A



-			110-3					376				1 / // -3		0 %	
DATUM RL -1.0														0,0	
DESIGN	2.067	0.126	4.309	4.279	4.220	4.314	4.209	4.164	4.294	756.4	4.380	007:0	0.100	0.100	00'4'00
LEVEL DIFFERENCE	0	0 0 3 4 2	-3.886	-3.879	-3.818	-3.898	3.778	-3.728	-3.859	-3.954	-3.98	0	03	03	0
EXISTING	2.067	0.538	0.423	0.400	0.402	0.417	0.431	0.437	0.435	0.400	0.400	0.400	0.400	0.400	0.400
OFFSET	-26.796	-20.975 -19.475 -18.566	-6.800	-5.300	-3.500	0.000	3.500	5.000	008.9	9.800	11.100	23.161	24.070	25.570	26.470

CHAINAGE 340.000 DATUM RL -1.0 0.395 0.071 0.071 0.371 4.051 DESIGN 3.961 3.861 3.906 3.906 3.861 3.961 3.991 LEVEL DIFFERENCE 3.55 3.687 3.57 3.518 3.617 3.64 -20.178 0.398 -20.178 0.388 -18.678 0.377 -17.769 0.371 0.336 0.344 0.351 0.392 0.395 EXISTING 0.311 -6.800 -5.300 -3.500 24.675 9.800 3.500 5.000 5.300 6.800 OFFSET

CHAINAGE 320.000

NOTES:

ALL ROAD FURNITURE IS NOT SHOWN

PRELIMINARY PLAN ONLY NOT TO BE USED FOR CONSTRUCTION

Issue	Description	Date
۶	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21

1
SOUTHERN PORTS AUTHORITY

	OR INFOR			P
Scales	1:100	Current Issu	e Signatures	٦,
		Drawn H PARISH		1
Original Size	A1	Designed H PARISH		Ī
Height Datum	AHD	Checked R MCLLDUFF		1
Grid	AMG	Approved D ILLINGWORTH		1
Filename	3009340	5-AAP-CV100-DRG-50	5.dwa	7

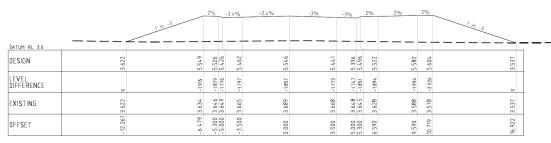
SOUTHERN PORTS AUTHORITY
PORT OF BUNBURY
TURKEY POINT ACCESS ROAD & BRIDGE

TURKEY POINT ACCESS ROAD CROSS SECTIONS SHEET 5 OF 10

	ARCADIS
E	Arcads Australia Pacific Pty Limited Level 3, 225 St Georges Terrace PERT-I WA 6000 ABN 76 104 485 289
	Tel No: +61 8 9213 6700 www.arcadis.com/au

Drawing No. | Project No. | Issue | 30093405-AAP=CV100-DRG-505 — A

Date Plotted: 3 Sep 2021 - 09:56AM. File Name: C:Design\Turkey Point Access Rd\03_DRG\30093405-AAP-CV10\-DRG-505.dw



CHAINAGE 420.000

		1 in -3	2%	1.8%	1.8%	-3%	-3%	2%	2%	2%	1 1/10 3
DATUM RL 2.0											
DESIGN	3.596	5.620	5.590	5.463	2:400	5.295	5.250	5.380	2.440	994:5	3.542
LEVEL DIFFERENCE	0	-2.071	-2.05	-1.934	-1.891	-1.794	-1.75	-1.881	-1.932	-1.951	0
EXISTING	3.596	675'8	3.540	3.530	3.509	3.502	3.501	3.499	3.509	3.515	3.542
OFFSET	-12.872	-6.800	-5.300	-3.500	0.000	3.500		6.800	9.800	11.100	16.874

CHAINAGE 400.000

_		-3	3%	3%3	% -3%	2%	2% 2	1 in -3
DATUM RL 2.0						2 22		
DESIGN	3.485	5.372	5.197	5.092	4.987	4.942 5.042 5.072	5.132	5.158
LEVEL DIFFERENCE	0	1.901	-1.727	-1.622	-1.516	-1.571	-1.644	-1.666
EXISTING	3.485	3.471	3.469	3.470	3.471	3.471	3.488	3.491
DFFSET	12.459	6.800		000'6	3.500	300	008:6	11.100

CHAINAGE 380.000

NOTES:

1. ALL ROAD FURNITURE IS NOT SHOWN

PRELIMINARY PLAN ONLY
NOT TO BE USED FOR
CONSTRUCTION

A SSUED TO CLENT FOR 19% REVIEW 03/09/21 Issue Description Date



	O BE USE	RMATION ON FOR CONSTRUC	CTION
Scales	1:100	Drawn H PARISH	Signatures
Original Size	A1	Designed H PARISH	
Height Datum	AHD	Checked R MCLLDUFF	
Grid	AMG	Approved D ILLINGWORTH	
Filename:	300934	5-AAP-CV100-DRG-506.6	dwa

Project SOUTHERN PORTS AUTHORITY PORT OF BUNBURY TURKEY POINT ACCESS ROAD & BRIDG

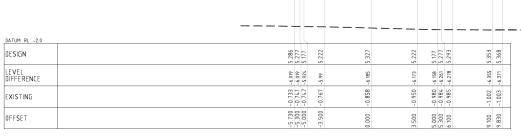
TURKEY POINT ACCESS ROAD
CROSS SECTIONS
SHEET 6 OF 10

ГΥ	ARCADIS
DGE	Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace PERT+ WA 6000 ABN 76 104 485 289

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CHAINAGE 480.000

				_ .		_	
UM RL -2.0				_			
SIGN	5.386 5.377 5.277	5.322	5.428	5.322	5.277	5.393	2.453
/EL FERENCE	-6.027 -6.009	-5.957	-6.209	-6.239	-6.212	-6.288	-6.165
STING	-0.641 -0.632 -0.633	-0.634	-0.782	-0.916	-0.934		-0.712
SET	-5.730 -5.300	3.500	0.000	3.500	2.000		9.100

CHAINAGE 460.000

		1 n 3		%	3%	3%	-3%	2	%		1 in -3	
DATUM RL 0.0												
DESIGN	0.993		5.487	5.422	5.527	5.422	5.377	5.494	5.554	5.569		3.037
LEVEL DIFFERENCE	0		-3.187 -3.12 -2.983	-2.842	-2.5	-2.197	-2.135			-2.33		0
EXISTING	0.993		2.300 2.357 2.395	2.581	3.028	3.225	3.242		3.250			3.037
OFFSET	19.248		5.766	-3.500	0000	3.500	300		173			7.470

CHAINAGE 440.300

NOTES:

- ALL ROAD FURNITURE IS NOT SHOWN
 REFER TO BRIDGE DESIGN FOR DETAILS

PRELIMINARY PLAN ONLY NOT TO BE USED FOR CONSTRUCTION

Issue	Description	Date
٧	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21



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		Drawn H PARISH	7
Original Size	A1	Designed H PARISH	Ti
Height Datum	AHD	Checked R MCLLDUFF	
Grid	AMG	Approved D ILLINGWORTH	
Filename	1000340	5.AAP.CV100.DPC.507 dwg	\neg

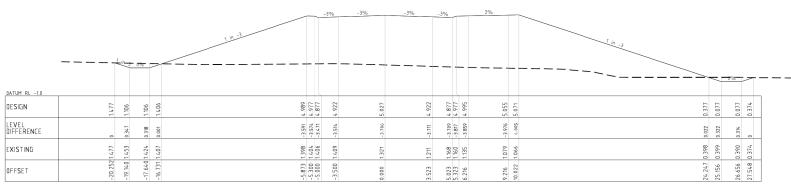
SOUTHERN PORTS AUTHORITY
PORT OF BUNBURY
TURKEY POINT ACCESS ROAD & BRIDGE

TURKEY POINT ACCESS ROAD CROSS SECTIONS SHEET 7 OF 10

/	ARCADIS
GE	Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace

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Drawing No. Project No. 30093405-AAP-CV100-DRG-507 — A



CHAINAGE 540.000

TUM RL -1.0							
SIGN	5.086	4.978	5.128	5.022	5.077	5.093	5.153
VEL FFERENCE	717.4-	-4.755	906'4-	-4.712	-4.633	-4.729	-4.753
KISTING	0.309	0.295	0.222	0.310	0.344	0.365	0.400
FSET	-5.730		0.000	3.500	5.000	6.100	9.100

CHAINAGE 520.000

	3%	-3%	-3%	-3%	2%
UM RL -2.0					
SIGN	5.186 5.177 5.077	5.228	5.122	5.077	5.253
/EL FERENCE	-5.742 -5.734 -5.634	-5.789	-5.703	-5.657 -5.752 -5.77	-5.815
ISTING		0.562	-0.580	-0.579 -0.575 -0.576	-0.562
SET	5 730 5 200 5 200	0.000	3.500	300	9.100

CHAINAGE 500.000

NOTES:

- ALL ROAD FURNITURE IS NOT SHOWN
 REFER TO BRIDGE DESIGN FOR DETAILS

PRELIMINARY PLAN ONLY NOT TO BE USED FOR CONSTRUCTION

Issue	Description	Date
Α	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21



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		Drawn H PARISH		ľ
Original Size	A1	Designed H PARISH		Ti
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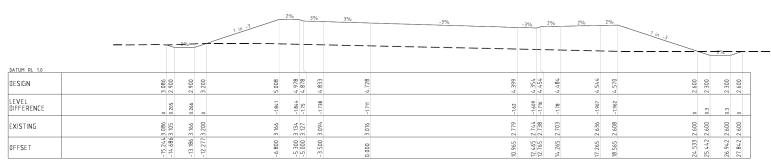
Project SOUTHERN PORTS AUTHORITY PORT OF BUNBURY URKEY POINT ACCESS ROAD & BRIDG

TURKEY POINT ACCESS ROAD CROSS SECTIONS SHEET 8 OF 10

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Drawing No. Project No. 30093405-AAP-CV100-DRG-508 — A



CHAINAGE 600.000

			. ــــــــــــــــــــــــــــــــــــ	1 in -3		2%	3%	3%	-3%	-3%	2%	2%	2%	1 in -3				
DATUM RL 1.0	23	7.	2.	ħ,	80	8.8	933	828	799	66	67		835					
LEVEL DIFFERENCE	0 2.86	0.211 2.624	0.283 2.624	0 2.95	-2.19 5.108	-2.208 5.078 -2.118 4.978		218 4.	-2.264 4.66	55 4.	4.7	-2.107 4.809	-2.084 4.8		-0 2.827	0.3 2.52	0.297 2.527	0 2.82
EXISTING	2.863	2.835	2.908	2.924	2.918	2.869	2.808	2.610	2.400	2.404	2.530	2.702	2.751		2.827	2.828	2.825	2.821
OFFSET	-16.542	-15.825	m	-13.416	-6.800	-5.300	-3.500	0.000	92739	6.936	8.736	11.736	13.036		19.121	20.030	21.530	22.411

CHAINAGE 580.000

					19:3	2%	-0	0.6%	-0.6%	-3%		-3%	2%	2%	2%	1 in -3				3. —
DATUM RL 1.0 DESIGN	2.4.16	1030	7%	2 230	2053	166.4	168	706	878		787.7	4.739	998:	1	.950		2 080	080	2.080	856.
EVEL FFERENCE	0	507.0		0.332	25		2.522	-2.528 4	-2.54 4		-2.384 4	-2.439 4	-2.513 4	-2.888 4	-3.07			0.383	0.561 2	0 2
XISTING	2.416			2.262	2.372	2.375	2.376	2.379	2.388		2.400	2.400	2.354	2.038	1.880	2.354	2,63	2.463	2.641	2.953
FFSET	-18.919	17 7.60		-15.960	989	900		-3.500	0.000		£.778	5.278	7.938	10.938	12.124	913		20.822	22.322	54.943

CHAINAGE 560.000

NOTES:

1. ALL ROAD FURNITURE IS NOT SHOWN

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CONSTRUCTION

Issue	Description	Date
Α	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21
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Scales	1:100	Current Issue Sig	natures	lτu
		Drawn H PARISH		۱'`
Original Size	A1	Designed H PARISH		Titk
Height Datum	AHD	Checked R MCLLDUFF		1
Grid	AMG	Approved D ILLINGWORTH		
Filename:	3009340	5-AAP-CV100-DRG-509.dwg		1

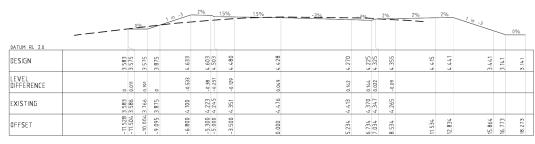
Project
SCUTHERN PORTS AUTHORITY
PORT OF BUNBURY
TURKEY POINT ACCESS ROAD & BRIDGE

TURKEY POINT ACCESS ROAD CROSS SECTIONS SHEET 9 OF 10

Υ	ARCADIS
DGE	Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace

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Drawing No. | Project No. | Issue | 30093405-AAP=CV100-DRG-509 — A



CHAINAGE 660.000

_		0%_	_	110-3	2%	3%	3%	-3%	-3%	2%	2%	2%	1 in -3		0%
DATUM RL 2.0															
DESIGN	3.646	3.630	3.930	4.808	4.678	4.633	4.527	4.371	4.326	954.4	4.516		3.542	3.242	3.242
LEVEL DIFFERENCE	0		0	-0.585	-0.505	-0.299	-0.127	-0.345	-0.506	-0.888	-1.121	Ę			
EXISTING	3.646	3.808	3.930	4.222	4.282	4.333	007.7	4.027	3.820	3.568	3.395	3.442			
OFFSET	-11.914	-10.367	-9.458	-6.800	-5.300	-3.500	0.000	5.202	6.702	8.502	11.502	12.802	15.833	16.742	18.242

CHAINAGE 640.000

_		_	 -	1 in -3	2%	3%	3%	-3%	-3%	6	2%	2%	2%	1 in -3	_		
DATUM RL 2.0																0.76	
DESIGN	203	3 913		£1.7.13	4.878	4.778		7 73		4.428	4.558	4.618	779.7	2 863	2.563	5	2.892
EVEL DIFFERENCE		0 308	0.337		-1.028	-0.967	-1.398	1777		-1.422	-1.593	-1.716	-1.768	e	0.304	m	0
EXISTING	. 203	07.7	7	4.273	3.850	3.811		970		3.006	2.965	2.902	2.876	2,863	2.867	2.881	2.892
OFFSET	12 187	.11 315	90	906.8	-6.800	-5.000	000	152		.952	3.452	1.452	2.752	27	. 5	l rú	

CHAINAGE 620.000

NOTES:

1. ALL ROAD FURNITURE IS NOT SHOWN

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CONSTRUCTION

Issue	Description	Date
Α	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21



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Scales	1:100	Current Issue Signatu	res TU
		Drawn H PARISH	─ ``
Original Size	A1	Designed H PARISH	Title
Height Datum	AHD	Checked R MCLLDUFF	
Grid	AMG	Approved DILLINGWORTH	
Filename:	3009340	05-AAP-CV100-DRG-510.dwg	

PORT OF BUNBURY
TURKEY POINT ACCESS ROAD & BRIDG

TURKEY POINT ACCESS ROAD CROSS SECTIONS SHEET 10 OF 10

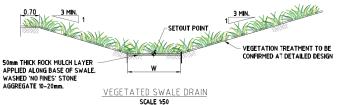
ГΥ	ARCADIS
DGE	Arcads Australia Pacific Pty Limited Level 5, 225 St Georges Terrace

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Drawing No. | Project No. | Issue | 30093405-AAP+CV100-DRG-510 — A

- FOR STANDARD GRATED PIT STRUCTURE (TGT, SGT) DETAILS, REFER TO MAIN ROADS STANDARD DRG No. 200231-091
- FOR STANDARD CULVERT DETAILS, REFER TO MAIN ROADS STANDARD DRG No. 200131–0065 AND 230131–0066 ROCK PITCHING AND BATTER CHUTE DETAILS TO BE PROVIDED AT
- BATTER CHUTES MAY BE REQUIRED ALONG SECTIONS OF ROCK PROTECTION WHERE THERE IS A SIGNIFICANT HEIGHT DIFFERENCE BETWEEN THE HINGE AND TOE OF THE BATTER. THIS IS TO BE INVESTIGATED DURING DETAILED DESIGN.
- ROCK LINING MAY BE REQUIRED AT LOCATIONS WITH SIGNIFICANTLY STEEP CHANNELS. THIS IS TO BE INVESTIGATED DURING DETAILED DESIGN

EGEND	
	PROPOSED TOE OF EMBANKMENT SWALE DRAIN (TYP
	PROPOSED TOE OF EMBANKMENT SWALE DRAIN (TYP
\rightarrow	PROPOSED DRAINAGE PIPE
	PROPOSED STREET GULLY, TRAFFICABLE (GT)
	PROPOSED MANHOLE, TRAFFICABLE (MH)
D	PROPOSED HEADWALL
MCM8_	PROPOSED KERB OPENING
556	PROPOSED ROCK PROTECTION
	PROPOSED CONTOURS - MAJOR (1.0m)
	PROPOSED CONTOURS - MINOR (0.2m)
3.00	SURVEY CONTOURS - MAJOR (0.5m)
— — D — —	EXISTING DRAIN PIPE
<u>Y Y Y</u>	BATTER (1V:3H TYPICAL)



		SWALE DR	AIN DIMENSION	S
TYPE	D (mm)	W (mm)	BATTER SLOPE (1:X)	PROPOSED TOE OF EMBANKMENT SWALE
1	300	1500	3	TYPE 1
2	400	1500	3	TYPF 2

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Issue	Description	Date
Α	ISSUED TO CLIENT FOR 15% REVIEW	03/09/21
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SOUTHERN PORTS AUTHORITY Port of Bunbury	

FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION				Pro
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		Drawn H PARISH		l'`
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	SOUTHERN PORTS AUTHORITY PORT OF BUNBURY
	PORT OF BUNBURY
	TURKEY POINT ACCESS ROAD & BRIDGE
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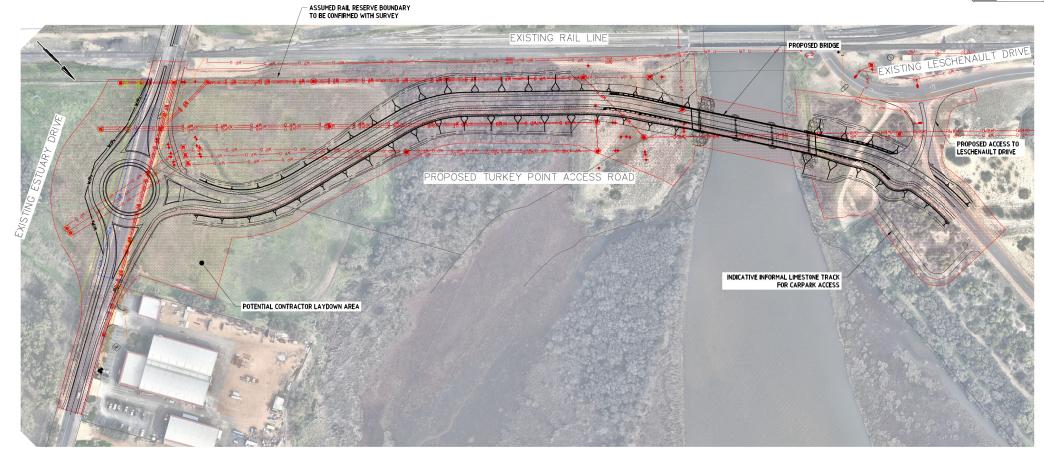
TURKEY POINT ACCESS ROAD DRAINAGE PLAN

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GF	Arcads Australia Pacific Pty Limited

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Drawing No.	Project No.	Issue
30093405-AAP	-CV100-DRG-601 -	Α







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Issue Description Date

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(SOUTHERN PORTS AUTHORITY Port of Bunbury

FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION				S
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		Drawn H PARISH		TUR
Original Size	A1	Designed H PARISH		Title
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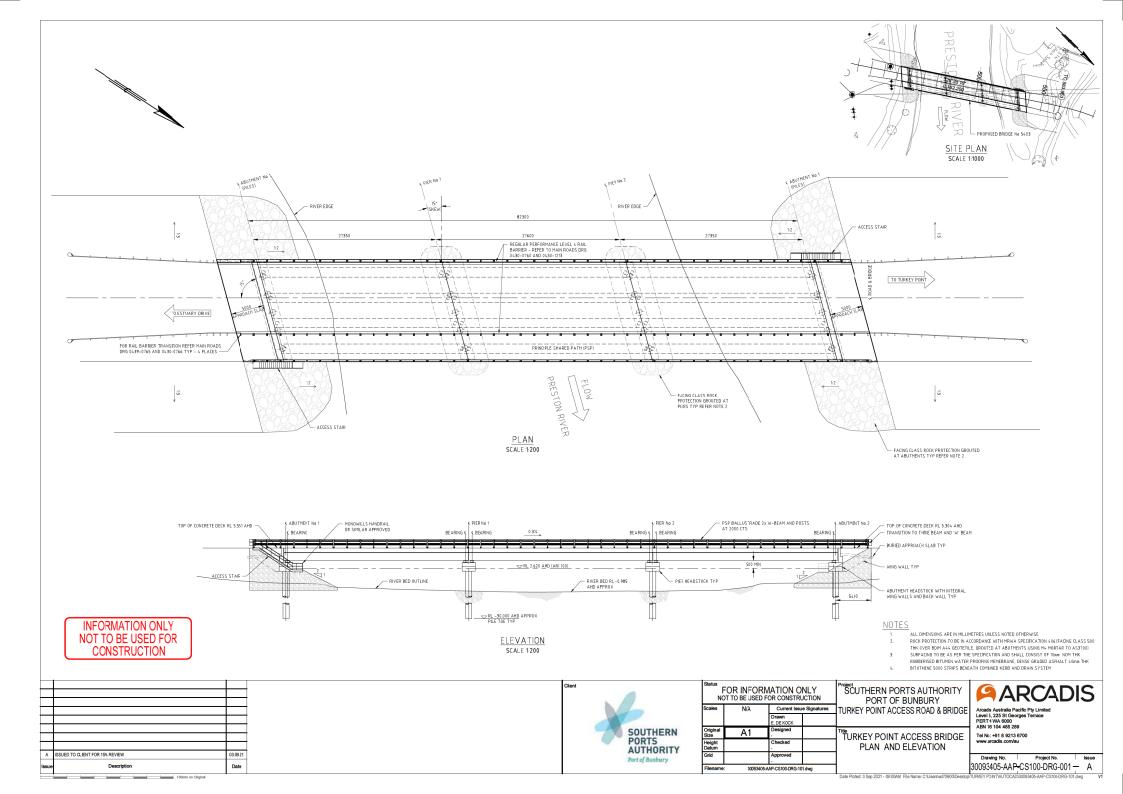
Project SCUTHERN PORTS AUTHORITY PORT OF BUNBURY TURKEY POINT ACCESS ROAD & BRIDGE

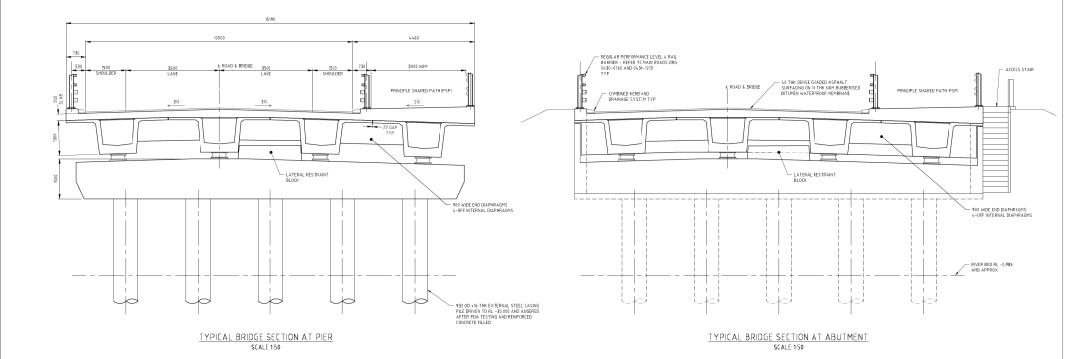
TURKEY POINT ACCESS ROAD DEVELOPMENT ENVELOPE

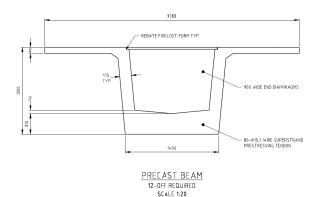
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Œ	Arcads Australia Pacific Pty Limited

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Drawing No.	Project No.	Issue	
30093405-AAP	-CV100-DRG-901	Α	







03.09.21

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NOTES

MATERIALS:
PRECAST TEEROFF GIRDER S50 PRESTRESSED CONCRETE IN-SITU ELEMENT: S40 REINFORCED CONCRETE

PILES ARE INDICATIVE ONLY, TO BE CONFIRMED AT NEXT STAGE

SOUTHERN PORTS AUTHORITY Port of Bunbury

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SOUTHERN PORTS AUTHORITY PORT OF BUNBURY URKEY POINT ACCESS ROAD & BRIDGE

TURKEY POINT ACCESS BRIDGE SECTIONS



Drawing No. Project No. 30093405-AAP-CS100-DRG-002 - A

Date Plotted: 3 Sep 2021 - 09:01AM File Name: C:/Users\ed/75900\Desktop\TURKEY PDINTAUTOCADI30093405-AAP-CS10\-DRG-101.dwg

100mm on Original

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