

	ask Name	Duration	Start	Finish		April 2 w3 w	May 	 wa wa w	June /10 W11 W12 W13	July w14 w15 w16 w17 v	August	September w22 w23 w24 w25 w26 y	October w27 w28 w29 w30 w	November	December 35 W36 W37 W38 W39	January	February	March	Apri w53 w54 w55
P	roject Milestones	215 days	1/04/19	17/02/20													₩ Pro	ject Milestones	
	Notice of Preferred Contractor	0 days	1/04/19	1/04/19	4 Not	ice of	Preferred Co	ntractor	r										
	Engagement of Contractor (via PO)	0 days	1/05/19	1/05/19		1/0	5 🌢 Engage	ement of	f Contractor	(via PO)									
	Engagement of Designers (Contract)	0 days	6/05/19	6/05/19		6	6/05 ♦ Enga	gement	t of Designe	s (Contract)									
	Commence Utility Co-ordination	0 days	6/05/19	6/05/19		6	6/05 ♦ Comi	mence l	Utility Co-ord	lination									
	Anticipated DA Approval	0 days	8/08/19	8/08/19						8/	08 ♦ Anticipa	ated DA Approva							
	Contract Award	0 days	8/08/19	8/08/19						8/	08 ♦ Contra	ct Award							
	Commence On-site Works (PO)	0 days	22/07/19	22/07/19						22/07 ♦ C	mmence On	-site Works (PO)							
	Practical Completion - Phase 1 Operational Hardstand Area	0 days	20/12/19	20/12/19											20/12 ♦ Pr	ractical Comple	tion - Phase 1	Operational Har	dstand /
	Project Completion	0 days	17/02/20	17/02/20													17/02 • Pro	ject Completion	
D	evelopment Application Process (BY OTHERS)	208 days	28/09/18	8/08/19							■ Develo	pment Application	n Process (BY	OTHERS)					
	Request For SEARS	0 days	28/09/18	28/09/18															
3	Reciept of SEARS	0 days	15/10/18	15/10/18															
L .	Prepare EIS	0 days	8/04/19	8/04/19	8/04 🄷	Prepai	re EIS												
	Arrange Exhibition	5 days	8/04/19	12/04/19		Arrai	nge Exhibition	n											
	Exhibit DA	20 days	15/04/19	15/05/19				xhibit D	Α										
	Collate Submissions	10 days	16/05/19	29/05/19				Co	ollate Submi	ssions									
	Response to Submissions	10 days	30/05/19	13/06/19						nse to Submiss	ions								
	Assessment	20 days	14/06/19	11/07/19						Assessr									
	Recommendation	10 days	12/07/19	25/07/19							ecommendat	ion							
	Determination of DA	10 days	26/07/19	8/08/19								nation of DA							
2	Alignment Phase		1/04/19	26/04/19			Alignment	- Dhaca			Determin	nation of DA							
		17 days								201									
	Scope Alignment with Pacific National	12 days	1/04/19	16/04/19			ope Alignmer			iai									
	Review & Assist with DA	12 days	1/04/19	16/04/19			view & Assis			_									
	Finilisation of Scope for Design Process	5 days	17/04/19	26/04/19			Finilisation	of Scop	pe for Desigi	1 Process									
	eparable Portion 1	85 days	7/05/19	3/09/19								Separable I	Portion 1						
	Design	83 days	7/05/19	30/08/19			V					Design							
	Civil Design	78 days		30/08/19								Civil Design							
	Pavement Design	70 days	14/05/19	20/08/19			_				▼ F	Pavement Design							
	Services Design	80 days	14/05/19	3/09/19			_					▼ Services D	esign						
	Bulding Design	50 days	14/05/19	23/07/19			_			▼ B	ulding Design	ı							
P	reliminary Works	98 days	2/05/19	17/09/19			V					▼ Preli	minary Works						
	Project Management Plans	30 days	2/05/19	13/06/19			V		■ Projec	t Management	Plans								
9	Utilities	60 days	26/06/19	17/09/19					_			▼ Utilit	es						
)	Approval of Utility Design & Asset Ownership	5 days	26/06/19	2/07/19						Approval of	Jtility Design	& Asset Ownersh	iip						
1	Engagement - Preparation of Service Design Packages	15 days	3/07/19	23/07/19						Er	gagement - F	Preparation of Se	rvice Design P	ackages					
2	Building Plan Assessment	5 days	24/07/19	30/07/19							Building Pla	n Assessment							
3	Services Protection Report	5 days	10/07/19	16/07/19						Servi	es Protection	Report							
1	Section 73 Compliance Certificate	30 days	24/07/19	3/09/19								Section 73 C	Compliance Ce	rtificate					
5	Utility Provider - Final Approvals	20 days	24/07/19	20/08/19						V	▼ L	Itility Provider - Fi	·						
6	Sydney Water - Final Design Review	20 days	24/07/19	20/08/19								dney Water - Fir		iew					
7	Telstra - Final Design Review	20 days	24/07/19	20/08/19								elstra - Final Desi							
8	Endeavour Energy - Final Design Review	20 days	24/07/19	20/08/19		-						ndeavour Energy	•	Review					
-	Endouvour Energy Timal Design Heview		<u>_</u> -,0//10	20,00,10								idouvour Ellergy	i iidi Desigii	1.001000					

Page 1 of 5



9	NBN/Comms - Final Design Review	10 days	24/07/19	6/08/19	April May June July August September October November December January February March 2 w3 w4 w5 w6 w7 w8 w9 w10 w11 w12 w13 w14 w15 w16 w17 w18 w19 w20 w21 w22 w23 w24 w25 w26 w27 w28 w29 w20 w21 w22 w23 w24 w25 w26 w27 w28 w29 w20 w21 w22 w23 w24 w25 w26 w27 w28 w29 w20 w21 w22 w23 w24 w25 w26 w27 w28 w29 w20 w21 w22 w28 w29 w20 w31 w32 w33 w34 w35 w36 w37 w38 w39 w40 w41 w42 w43 w44 w45 w46 w47 w48 w49 w50 w51 w52 w53 w NBN/Comms - Final Design Review
)	Utility Provider - Lead Time	30 days	7/08/19	17/09/19	Utility Provider - Lead Time
	Sydney Water	20 days	21/08/19	17/09/19	Sydney Water
	Telstra	20 days	21/08/19	17/09/19	Telstra
	Endeavour Energy	20 days	21/08/19	17/09/19	Endeavour Energy
	NBN/Comms	15 days	7/08/19	27/08/19	NBN/Comms
	-Site Works	119 days	8/07/19	20/12/19	Pre-Site Works
	Nobilisation	13 days	8/07/19	22/07/19	Mobilisation
	Mobilise Plant to Site		8/07/19	18/07/19	Mobilise Plant to Site
		10 days			
	Establish Site Offices, Compound & Laydown Yard	10 days	8/07/19	18/07/19	Establish Site Offices, Compound & Laydown Yard
	Implement Project Management Plans	3 days	19/07/19	22/07/19	Implement Project Management Plans
	Construction Commencement	0 days	22/07/19	22/07/19	22/07 ♦ Construction Commencement
F	Procurement	107 days	24/07/19	20/12/19	Procurement
	Engagement of Subcontractors/Suppliers	5 days	13/08/19	19/08/19	Engagement of Subcontractors/Suppliers
	Preparation & Approval of Shop Drawings	15 days	13/08/19	2/09/19	Preparation & Approval of \$hop Drawings
	Structural Steel	30 days	3/09/19	15/10/19	Structural Steel
	Roofing & Cladding	20 days	3/09/19	30/09/19	Roofing & Cladding
	Guardrails	20 days	3/09/19	30/09/19	Guardrails
	Automatic Gates	50 days	3/09/19	12/11/19	Automatic Gates
	Pedestrian Safety Fence	30 days	3/09/19	15/10/19	Pedestrian Safety Fence
	Kiosk Substations	80 days	18/09/19	20/12/19	Kiosk Substations
	Distribution Switchboards	60 days	24/07/19	1/10/19	Distribution Switchboards
+	Lighting	40 days	4/09/19	21/10/19	Lighting
	Drainage	30 days	31/08/19	4/10/19	Drainage
	Prefabrication of Administration Building	60 days	24/07/19	1/10/19	Prefabrication of Administration Building
	Delivery of Administration Building	10 days	2/10/19	14/10/19	Delivery of Administration Building
Ser	parable Portion 2 - Phase 1 Construction	164 days	23/07/19	17/02/20	Separable Portion 2 - F
	arly Works		23/07/19		Early Works
	Setup Temporary Fencing (Rail Corridor)	6 days	23/07/19	29/07/19	Setup Temporary Fencing (Rail Corridor)
		•	23/07/19	2/08/19	Construct Temporary Creek Crossing
	Construct Temporary Creek Crossing	10 days			
	Install Permanent Site Fencing	20 days	23/07/19	14/08/19	Install Permanent Site Fencing
	Sedimentation Control/Management	20 days	23/07/19	14/08/19	Sedimentation Control/Management
	Protection of Existing Services	20 days	3/08/19	26/08/19	Protection of Existing Services
	Heavy Vehicle Access Road	37 days	9/08/19	20/09/19	→ Heavy Vehicle Access Road
	Clear & Grub	1 day	9/08/19	9/08/19	Clear & Grub
	Strip Topsoil & Stockpile	1 day	10/08/19	10/08/19	■ Strip Topsoil & Stockpile
	Bulk Cut to Stockpile	2 days	12/08/19	13/08/19	■ Bulk Cut to Stockpile
	Prepare & Compact Subgrade	2 days	14/08/19	15/08/19	■ Prepare & Compact Subgrade
	Construct RC Box Culvert	16 days	16/08/19	3/09/19	Construct RC Box Culvert
	Construct Subsoil Drain	6 days	16/08/19	22/08/19	Construct Subsoil Drain
	Place & Compact Granular Subbase to Required Levels	3 days	4/09/19	6/09/19	■ Place & Compact Granular Subbase to Required Levels
	Install Kerb & Gutter	2 days	7/09/19	9/09/19	■ Install Kerb & Gutter
		•			



Ta	sk Name	Duration	Start	Finish		pril	May	June	July	August	September October November December January February March April
61	Place & Compact Crushed Rock Upper Basecourse to Required Levels	3 days	10/09/19	12/09/19	V-1 W1 W2	W3 W4 V	W5 W6 W7 W8 W	V9 W10 W11 W12 W13	W14 W15 W16 W17 W	/18 W19 W20 W21 W2	rzz wzs wzs wzs wzs wzs wzs wzs wzs wzs w
2	Light Vehicle Access Road/Carpark	23 days	26/08/19	20/09/19						_	Uight Vehicle Access Road/Carpark
3	Clear & Grub	2 days	26/08/19	27/08/19							Clear & Grub
64	Strip Topsoil & Stockpile	2 days	28/08/19	29/08/19							Strip Topsoil & Stockpile
35	Construct Retaining Wall	15 days	30/08/19	16/09/19							Construct Retaining Wall
66	Bulk Cut to Stockpile	2 days	30/08/19	31/08/19							Bulk Cut to Stockpile
7	Prepare & Compact Subgrade	2 days	2/09/19	3/09/19							■ Prepare & Compact Subgrade
8	Construct Subsoil Drain	8 days	4/09/19	12/09/19							Construct Subsoil Drain
9	Place & Compact Granular Subbase to Required Levels	2 days	17/09/19	18/09/19							Place & Compact Granular Subbase to Required Levels
0	Install Kerb & Gutter	2 days	19/09/19	20/09/19							■ Install Kerb & Gutter
1	Place & Compact Crushed Rock Upper Basecourse to Required Levels	2 days	19/09/19	20/09/19							Place & Compact Crushed Rock Upper Basecourse to Required Levels
2	Bulk Earthworks (Pavement Type 1-3 Areas)	40 days	10/08/19	5/10/19						V	Bulk Earthworks (Pavement Type 1-3 Areas)
3	Clear & Grub	5 days	10/08/19	15/08/19						Clear	r & Grub
4	Strip Topsoil & Stockpile	10 days	14/08/19	24/08/19						S	Strip Topsoil & Stockpile
5	Bulk Cut to Stockpile	40 days	19/08/19	3/10/19							Bulk Cut to Stockpile
6	Prepare & Compact Subgrade	30 days	2/09/19	5/10/19							Prepare & Compact Subgrade
7	Pavements	71 days	9/09/19	17/12/19							▼ Pavements
3	Workshop/Empty Container Hardstand (Pavement 1)	21 days	9/09/19	2/10/19							▼ Workshop/Empty Container Hardstand (Pavement 1)
9	Place & Compact Select Fill to Required Levels	7 days	9/09/19	16/09/19							Place & Compact Select Fill to Required Levels
0	Place & Compact Granular Subbase to Required Levels	4 days	17/09/19	20/09/19							■ Place & Compact Granular Subbase to Required Levels
1	Place & Compact Crushed Rock Upper Basecourse to Required Levels	10 days	21/09/19	2/10/19							Place & Compact Crushed Rock Upper Basecourse to Required Levels
2	Laden Container Hardstand (Pavement 2&3)	76 days	17/09/19	14/12/19							▼ Laden Container Hardstand (Pavement 2&3)
3	Place & Compact Select Fill to Required Levels	32 days	17/09/19	24/10/19							Place & Compact Select Fill to Required Levels
4	Place & Compact Granular Subbase to Required Levels	36 days	9/10/19	19/11/19							Place & Compact Granular Subbase to Required Levels
5	Place & Compact Crushed Rock Upper Basecourse to Required Levels	26 days	1/11/19	30/11/19							Place & Compact Crushed Rock Upper Basecourse to Required Le
6	Place & Compact Wearing Course	12 days	2/12/19	14/12/19							Place & Compact Wearing Course
7	Rail Loading Area (Pavement 4)	24 days	20/11/19	17/12/19							▼ Rail Loading Area (Pavement 4)
3	Remove Temporary Fencing	1 day	20/11/19	20/11/19							■ Remove Temporary Fencing
9	Clear & Grub	1 day	21/11/19	21/11/19							■ Clear & Grub
0	Strip Topsoil & Stockpile	1 day	22/11/19	22/11/19							Strip Topsoil & Stockpile
1	Bulk Cut to Stockpile	2 days	23/11/19	25/11/19							■ Bulk Cut to Stockpile
2	Prepare & Compact Subgrade	2 days	26/11/19	27/11/19							■ Prepare & Compact Subgrade
3	Place & Compact Select Fill to Required Levels	4 days	28/11/19	2/12/19							Place & Compact Select Fill to Required Levels
4	Place & Compact Granular Subbase to Required Levels	5 days	3/12/19	7/12/19							Place & Compact Granular Subbase to Required Levels
5	Place & Compact Crushed Rock Upper Basecourse to Required Level	•	9/12/19	12/12/19							■ Place & Compact Crushed Rock Upper Basecourse to Requi
6	Place & Compact Wearing Course	2 days	16/12/19	17/12/19							■ Place & Compact Wearing Course
	Sedimentation Basin	15 days	17/09/19	3/10/19							Sedimentation Basin
8	Clear & Grub	1 days	17/09/19	17/09/19							Clear & Grub
9	Strip Topsoil & Stockpile	2 days	18/09/19	19/09/19							Strip Topsoil & Stockpile
,5	Place & Compact Base Layer	6 days	20/09/19	26/09/19							Place & Compact Base Layer



Tas	« Name	Duration Start	Finish	W-1 W1 W	April 2 w3 w4	May w5 w6 w7 w8 w	June 19 W10 W11 W12 W13	July w14 w15 w16 w17 w	August 18 W19 W20 W21 W2	
	Form, Shape Batters	6 days 27/09/1								Form, Shape Batters
	Administration Building	46 days 3/10/19								Administration Building
3	Prepare Hardstand	2 days 3/10/19								Prepare Hardstand
4	FRP Base Slab/Foundations	12 days 3/10/19								FRP Base Slab/Foundations Sewer (Site specific septic system)
5	Sewer (Site specific septic system)	•								
06 07	Power Comms	10 days 12/10/1 10 days 12/10/1								Power
08	Fire and Potable Water System Pipework	12 days 12/10/1								Fire and Potable Water System Pipework
9	Install / Placement of Administration Building	5 days 26/10/1								Install / Placement of Administration Building
0	Connection of Services	12 days 1/11/19								Connection of Services
1	Pre-Commissioning	10 days 15/11/1								Pre-Commissioning
	Fuel Storage Facility	26 days 25/10/1								Fuel Storage Facility
3	Prepare Hardstand	2 days 25/10/1								Prepare Hardstand
4	FRP Base Slab/Bund	14 days 25/10/1								FRP Base Slab/Bund
5	Install Tanks & Pipework	6 days 11/11/1								Install Tanks & Pipework
6	Install Pumps	1 day 18/11/1	9 18/11/19							I Install Pumps
17	Pre-Commissioning	5 days 19/11/1	9 23/11/19							Pre-Commissioning
8	Vash Bay	69 days 17/09/1	9 6/12/19							▼ Wash Bay
19	Prepare Hardstand	5 days 17/09/1	9 21/09/19							Prepare Hardstand
20	FRP Base Slab	12 days 23/09/1	9 5/10/19							FRP Base Slab
21	Plumbing	8 days 27/09/1	9 5/10/19							Plumbing
2	Fire and Potable Water System Pipework	5 days 4/10/19	9 10/10/19		+					Fire and Potable Water System Pipework
3	Erect Framework	12 days 11/10/1	9 24/10/19							Erect Framework
4	Cladding/Roofing	12 days 23/10/1	9 5/11/19							Cladding/Roofing
5	Mechanical	14 days 6/11/19	9 21/11/19							Mechanical
6	Electrical	5 days 20/11/1	9 25/11/19							Electrical
.7	Comms	5 days 26/11/1								Comms
8	Pre-Commissioning	5 days 2/12/19	9 6/12/19							Pre-Commissioning
9	ransport Workshop	76 days 23/09/1	9 20/12/19							▼ Transport Workshop
0	Prepare Hardstand	5 days 23/09/1	9 27/09/19							Prepare Hardstand
1	FRP Base Slab	10 days 28/09/1								FRP Base Slab
32	FRP Walls	15 days 11/10/1								FRP Walls
33	Plumbing	5 days 1/10/19								Plumbing
4	Fire and Potable Water System Pipework	5 days 4/10/19								Fire and Potable Water System Pipework
5	Erect Framework	18 days 29/10/1								Erect Framework
6	Cladding/Roofing	16 days 6/11/19								Cladding/Roofing
7	Electrical	10 days 19/11/1								Electrical
38	Comms	10 days 25/11/1								Comms
19	Internal Fitout	22 days 19/11/1								Internal Fitout
0	Stairs/Handrails	6 days 14/12/1								Stairs/Handrails Pro Commissioning
11	Pre-Commissioning	5 days 14/12/1								Pre-Commissioning Container Repair Workshop
	Container Repair Workshop	69 days 29/10/1								Container Repair Workshop
43	Prepare Hardstand	2 days 29/10/1	9 30/10/19							■ Prepare Hardstand



Task Name	Duration	Start	Finish	Δ	April	May	June	July	August	September	October No	ovember December	oer January	February	March	Anril
44 FRP Base Slab	12 days	31/10/19	13/11/19	V-1 W1 W2	W3 W4	w5 w6 w7 w8	w9 w10 w11 w12 w13	W14 W15 W16 W17 W	/18 W19 W20 W21 W2	2 W23 W24 W25 W26 W27	w28 w29 w30 w31 w32	ovember December December December Person December Decemb	3 W39 W40 W41 W42 W43	W44 W45 W46 W47 W48	8 W49 W50 W51 W52 V	v53 W54 W55 W
45 Plumbing	5 days	31/10/19	5/11/19									Plumbing				
Fire and Potable Water System Pipework	5 days	31/10/19	5/11/19									Fire and Potable Wa	ter System Pinew	ork		
FRP Wall	8 days	14/11/19	22/11/19									FRP Wall	-			
48 Erect Framework	24 days	23/11/19	20/12/19										Erect Framewor	k		
9 Cladding/Roofing	8 days	6/01/20	14/01/20											Iding/Roofing		
50 Electrical	10 days	15/01/20	28/01/20										Olac	■ Electrical		
Comms	10 days	15/01/20	28/01/20											Comms		
	•															
52 Stairs/Handrails	6 days	15/01/20	21/01/20											Stairs/Handrails		
3 Pre-Commissioning	5 days	29/01/20	3/02/20							_				Pre-Comm	issioning	
Services	90 days	18/09/19	16/01/20										· ·	rvices	011/10/5	
Power - New Power Supply Installation OH/UG (Endeavour Energy)	72 days	18/09/19	11/12/19									Pov	ver - New Power	1		
Power - New Power Supply Substation/Transformer (Endeavour Energy)) 10 days	6/01/20	16/01/20										Po	wer - New Power	Supply Substa	tion/Trans
Comms - Install New to Existing Pit (NBN Co)	72 days	18/09/19	11/12/19									Cor	mms - Install New	to Existing Pit (N	IBN Co)	
Sewer - Construct New Sewer (Sydney Water)	30 days	18/09/19	23/10/19								Sewer	- Construct New Sev	ver (Sydney Wate	er)		
9 Site Stormwater - Pits & Pipework	40 days	4/10/19	20/11/19									Site Stormwa	ter - Pits & Pipew	ork		
Install Conduits - Services	20 days	9/11/19	2/12/19									Install C	onduits - Service	S		
Electrical Services	20 days	21/11/19	13/12/19									El	ectrical Services			
Construct Footings - Terminal Lighting	18 days	29/11/19	19/12/19										Construct Footin	gs - Terminal Lig	hting	
Install New Potable Water / Fire	30 days	16/11/19	20/12/19										Install New Pota	ble Water / Fire		
Finishing Works	34 days	19/11/19	11/01/20									V	Finis	hing Works		
5 Line Marking	5 days	16/12/19	20/12/19										Line Marking			
Pathways - DUP Standard	18 days	19/11/19	9/12/19									Path	ways - DUP Stan	dard		
Install Lighting	15 days	11/12/19	11/01/20										Instal	Lighting		
Fencing, Gates & Signage	10 days	4/12/19	14/12/19									Fe	encing, Gates & S	ignage		
9 Landscaping	20 days	27/11/19	19/12/19										Landscaping			
0 Commissioning	16 days	20/12/19	22/01/20											Commissioning		
Security - Test And Commission	10 days	20/12/19	15/01/20											urity - Test And (Commission	
72 Final System Commissioing	5 days	17/01/20	22/01/20											Final System Co		
3 Contingency	0 days	22/01/20	22/01/20											Contingency		
4 Inclement Weather Allowance	0 days	22/01/20	22/01/20											Inclement Weat	ner Allowance	
5 Completion	35 days	20/12/19	17/02/20										,		npletion	
6 Practical Completion - Phase 1 Operational Hardstand Area	0 days	20/12/19	20/12/19									20/12	Practical Comp		'	dstand A
7 As-Built Drawings	30 days	11/01/20	17/02/20									20,12			Built Drawings	
78 Prepare & Submit O&M Manual	10 days	4/02/20	14/02/20												re & Submit O	&M Manu
79 Client Training	2 days	15/02/20	17/02/20												nt Training	LIVI IVIAIIU
																at Carrent
Phase 1 Full Project Completion	0 days	17/02/20	17/02/20											17/02 • Pha	se 1 Full Projec	Comple