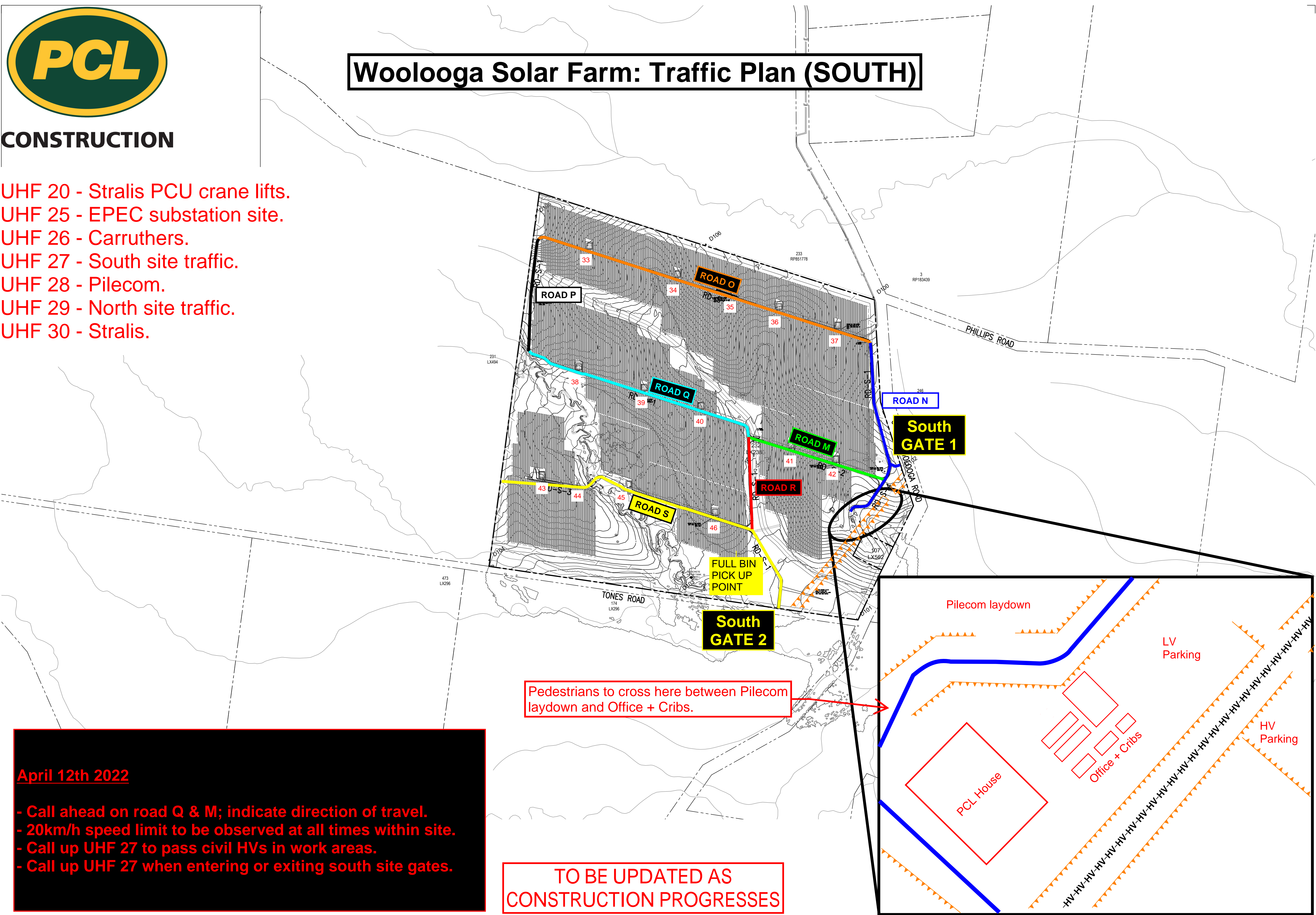




CONSTRUCTION

- UHF 20 - Stralis PCU crane lifts.
- UHF 25 - EPEC substation site.
- UHF 26 - Carruthers.
- UHF 27 - South site traffic.
- UHF 28 - Pilecom.
- UHF 29 - North site traffic.
- UHF 30 - Stralis.

Woolooga Solar Farm: Traffic Plan (SOUTH)



April 12th 2022

- Call ahead on road Q & M; indicate direction of travel.
- 20km/h speed limit to be observed at all times within site.
- Call up UHF 27 to pass civil HVs in work areas.
- Call up UHF 27 when entering or exiting south site gates.

TO BE UPDATED AS
CONSTRUCTION PROGRESSES

Appendix 11–

Site Photos – Evolve Audit





Photo plate 1; High-visibility flagging used on the top line of barbed wire fencing to provide visibility to fauna



Photo plate 2; a 20km/h speed limit sign found near the main site entrance to reduce vehicle speed on site



Photo plate 3; a 40km/h speed limit sign found outside of the site boundary on the access road to the site, to limit speed of traffic arriving and departing



Photo plate 4; Exclusion zone denoted by orange flagging and a sign reading "No Go Zone" surrounding riparian vegetation near 'Culvert 2'



Photo plate 5; construction exclusion fencing before the boundary of the offset site



Photo plate 6; Incomplete section of fence on the northern boundary of the site, safety fencing has been used to fill the space



Photo plate 7; Incomplete section of fencing of the northern boundary, side on view



Photo plate 8; Fauna exclusion panel on the eastern boundary fence of the site are largely intact



Photo plate 9; a view of the upstream side of culvert 1 taken facing east



Photo plate 10; a view of the upstream side of culvert 1 taken facing southwest, showing the origin of the watercourse



Photo plate 11; a view of the downstream side of culvert 1 taken facing west



Photo plate 12; a photo of the downstream side of culvert 1, taken facing east showing the movement of sediment towards the boundary fence



Photo plate 13; an image of culvert 1 taken facing south, showing evidence of vehicle traffic through the waterway, downstream of the culvert



Photo plate 14; an image taken of the eastern boundary downstream of culvert 1, showing sediment build-up against the fence, also a large section of boundary fence without fauna exclusion panelling



Photo plate 15; an image of culvert 2 taken facing northeast, on the upstream side of the culvert



Photo plate 16; an image of the batter and vegetation upstream of culvert 2, taken facing south



Photo plate 17; an image of washouts filled with rock on the upstream side of culvert 2, taken facing northeast



Photo plate 18; shows sediment fencing between a pile of fill and the waterway upstream of culvert 2, taken from the track above culvert 2, facing north



Photo plate 19; an image of culvert 2 taken facing southeast, on the downstream side of the culvert



Photo plate 20; image of vegetation downstream of culvert 2, taken facing northeast, showing a bank of sediment deposited in the channel



Photo plate 21; an image of culvert 3, taken facing southwest



Photo plate 22, an image of the upstream side of culvert 3, taken facing northeast



Photo plate 23; an image of the downstream side of culvert 3, showing a pile of fill intersecting the waterway, taken facing north



Photo plate 24; An image of the downstream side of culvert 4, showing a washout on the left side of the culvert, taken facing northwest



Photo plate 25; an image taken facing south from culvert 4, showing riparian vegetation



Photo plate 26; an image of the upstream edge of culvert 4, taken facing southwest, showing a washout on the rightmost side of the culvert



Photo plate 27; an image of the upstream edge of culvert 4, taken facing south, showing a washout on the leftmost side of the culvert



Photo plate 28; a view of the upstream edge of culvert 5, taken facing east



Photo plate 29; a view of the waterway upstream of culvert 5, showing sediment



Photo plate 30; an image of the downstream side of culvert 5, taken facing north



Photo plate 31; a photo of the north boundary of the site, taken at fence 1, facing northeast



Photo plate 32; a fauna grounding point approximately 30 metres west of fence 1



Photo plate 33; a photo of the upstream end of culvert 6, taken facing south



Photo plate 34; a photo of the downstream end of culvert 6, taken facing southwest



Photo plate 35; an image showing the wetland downstream of culvert 6 & 7



Photo plate 36; a photo of the downstream end of culvert 7, taken facing northwest



Photo plate 37; a photo of the downstream side of culvert 8, taken facing east



Photo plate 38; a photo of the upstream side of culvert 8, taken facing west



Photo plate 39; a photo of the downstream side of culvert 9, taken facing northwest



Photo plate 40; an image of the wetland downstream from culvert, taken facing north



Photo plate 41; an image of a fauna grounding point located on the southern boundary fence nearby to culvert 9



Photo plate 42; a picture taken of some fill dumped near the northern fence at a GPS location recorded as fence 2. The fill intersects with a wetland area.



Photo plate 43; recently constructed section of fencing on the eastern boundary of the site, at a GPS location recorded as house pad, the fauna exclusion features were observed to be incomplete.



Photo plate 44; a photo showing a channel through which sediment was washed out from the northern boundary through a natural wetland which flowed back into the site, at a GPS location recorded as wash. The photo was taken facing northeast



Photo plate 45; a photo showing a channel through which sediment was washed out from the northern boundary through a natural wetland which flowed back into the site, at a GPS location recorded as wash. The photo was taken facing south



Photo plate 46; An image of Eastern Grey Kangaroos, seen outside of the site boundary

Appendix 12–

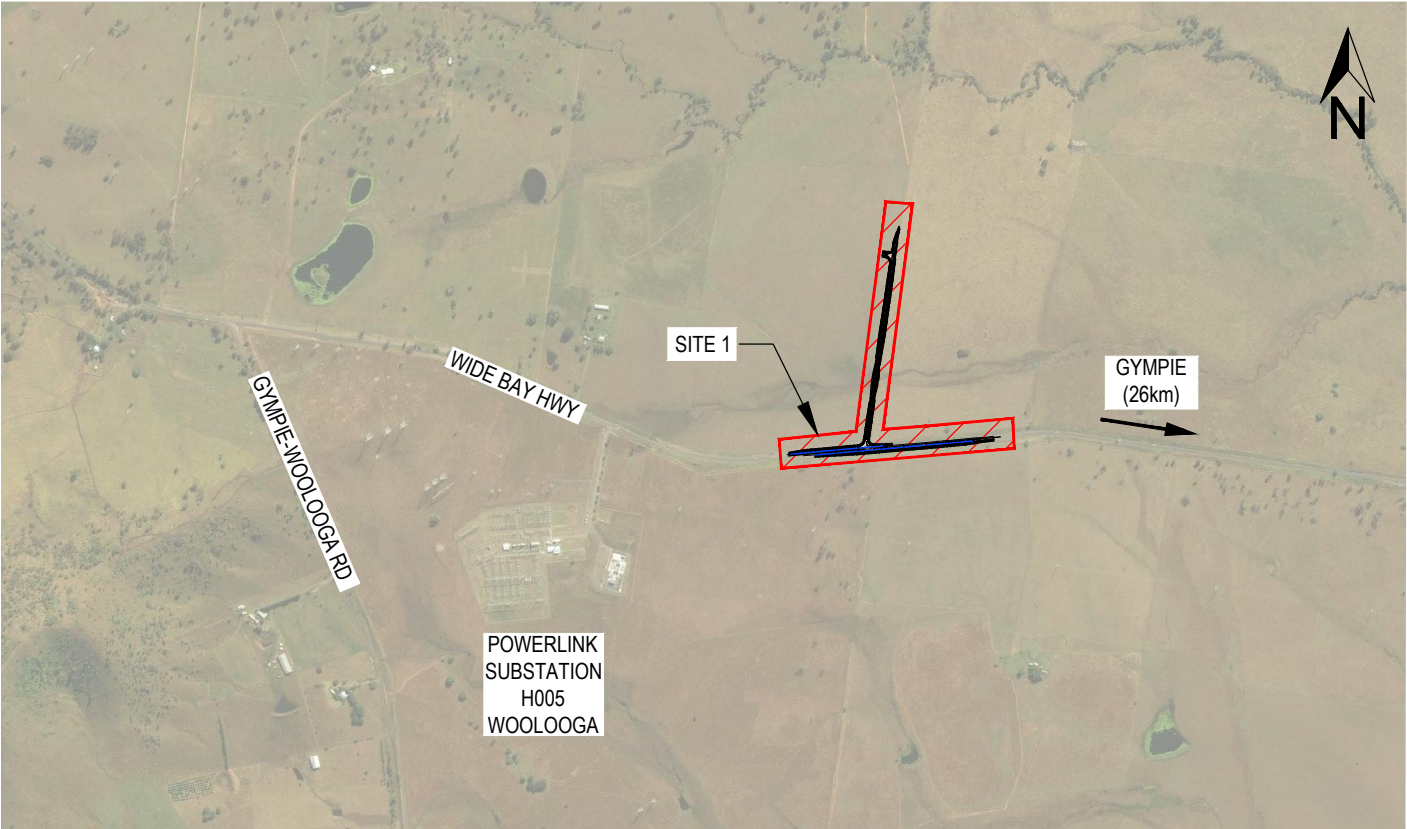
Road Upgrade Design



GYMPIE REGIONAL COUNCIL
WOOLOOGA SOLAR FARM
ROAD & INTERSECTION UPGRADES
SITE 1

DRAWING INDEX

DRAWING NUMBER	DRAWING DESCRIPTION	REV
JJR-1200312A-CV000	COVER SHEET, LOCALITY PLAN & DRAWING INDEX	3
JJR-1200312A-CV001	GENERAL NOTES	1
JJR-1200312A-CV002	GENERAL LAYOUT PLAN	2
JJR-1200312A-CV003	TYPICAL CROSS SECTIONS	2
JJR-1200312A-CV004	TYPICAL PAVEMENT DETAILS	3
JJR-1200312A-CV005	SITE LAYOUT PLAN - SHEET 1 OF 7	3
JJR-1200312A-CV006	SITE LAYOUT PLAN - SHEET 2 OF 7	3
JJR-1200312A-CV007	SITE LAYOUT PLAN - SHEET 3 OF 7	3
JJR-1200312A-CV008	SITE LAYOUT PLAN - SHEET 4 OF 7	3
JJR-1200312A-CV009	SITE LAYOUT PLAN - SHEET 5 OF 7	2
JJR-1200312A-CV010	SITE LAYOUT PLAN - SHEET 6 OF 7	2
JJR-1200312A-CV011	SITE LAYOUT PLAN - SHEET 7 OF 7	1
JJR-1200312A-CV012	VEHICLE TURNING PATH - SHEET 1 OF 2	1
JJR-1200312A-CV013	VEHICLE TURNING PATH - SHEET 2 OF 2	2
JJR-1200312A-CV014	LONGITUDINAL SECTIONS ACCESS ROAD-SHEET 1 OF 2	1
JJR-1200312A-CV015	LONGITUDINAL SECTIONS ACCESS ROAD-SHEET 2 OF 2	1
JJR-1200312A-CV016	LONGITUDINAL SECTIONS WIDE BAY HWY-SHEET 1 OF 2	1
JJR-1200312A-CV017	LONGITUDINAL SECTIONS WIDE BAY HWY-SHEET 2 OF 2	1
JJR-1200312A-CV018	CROSS SECTIONS ACCESS ROAD- SHEET 1 OF 5	1
JJR-1200312A-CV019	CROSS SECTIONS ACCESS ROAD- SHEET 2 OF 5	1
JJR-1200312A-CV020	CROSS SECTIONS ACCESS ROAD- SHEET 3 OF 5	1
JJR-1200312A-CV021	CROSS SECTIONS ACCESS ROAD- SHEET 4 OF 5	1
JJR-1200312A-CV022	DRAWING DELETED	-
JJR-1200312A-CV023	CROSS SECTIONS WIDE BAY HWY- SHEET 1 OF 3	2
JJR-1200312A-CV024	CROSS SECTIONS WIDE BAY HWY- SHEET 2 OF 3	2
JJR-1200312A-CV025	CROSS SECTIONS WIDE BAY HWY- SHEET 3 OF 3	2
JJR-1200312A-CV026	EARTHWORKS PLAN	1
JJR-1200312A-CV027	SIGNAGE AND LINEMARKING PLAN - SHEET 1 OF 7	2
JJR-1200312A-CV028	SIGNAGE AND LINEMARKING PLAN - SHEET 2 OF 7	2
JJR-1200312A-CV029	SIGNAGE AND LINEMARKING PLAN - SHEET 3 OF 7	2
JJR-1200312A-CV030	SIGNAGE AND LINEMARKING PLAN - SHEET 4 OF 7	2
JJR-1200312A-CV031	SIGNAGE AND LINEMARKING PLAN - SHEET 5 OF 7	1
JJR-1200312A-CV032	SIGNAGE AND LINEMARKING PLAN - SHEET 6 OF 7	1
JJR-1200312A-CV033	SIGNAGE AND LINEMARKING PLAN - SHEET 7 OF 7	1
JJR-1200312A-CV034	STORMWATER DRAINAGE UPGRADE - SHEET 1 OF 1	1
JJR-1200312A-CV035	STORMWATER DRAINAGE UPGRADE - SHEET 1 OF 1	1
JJR-1200312A-CV036	STORMWATER CATCHMENT PLAN	1



SCHEME SUBMITTED (JJ RYAN CONSULTING PTY LTD):
THIS SCHEME HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS
OF AUSTRROADS GUIDE TO ROAD DESIGN AND TMR SUPPLEMENTS.

CIVIL WORKS
SIGNED: .. MICHAEL PATMORE..... TITLE: PRINCIPAL ENGINEER
RPEQ No.: 13297..... DATE: 05 AUGUST 2021.....




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		4	05.08.21	CONSTRUCTION ISSUE		N/A	MP	DESIGN MANAGER	M. PATMORE																
								PROJECT MANAGER	E. LAM					CO-ORDINATE SYSTEM: MGA 2020 ZONE 56		HEIGHT DATUM: A.H.D.		CLIENT PROJECT / DRAWING No		ISSUE STATUS		JUR PROJECT / DRAWING No		ISSUE	
																		CONSTRUCTION		JJR-1200312A-CV000		4			

NOTES

1. GENERAL

- SPECIFIC INSTRUCTIONS ON DRAWINGS TAKE PRECEDENCE OVER THESE NOTES.
- ALL WORKS MUST BE UNDERTAKEN IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS, WITH SPECIFIC REFERENCE TO THE NOMINATED TRANSPORT AND MAIN ROADS (TMR) STANDARD SPECIFICATIONS. ANY DISCREPANCY SHALL BE REFERRED TO THE PRINCIPAL OR SUPERINTENDENT BEFORE PROCEEDING WITH THE WORK.
- DO NOT DEPART FROM THE DESIGN UNLESS AUTHORISED IN WRITING BY THE PRINCIPAL OR DESIGNER.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT SPECIFIED STANDARDS AND THE BY-LAWS AND ORDINANCES OF THE RELEVANT APPROVAL AUTHORITIES EXCEPT WHEREVARIED BY THE PROJECT SPECIFICATION AND/OR DRAWINGS.
- THE RELEVANT AUTHORITIES OCCUPATIONAL HEALTH AND SAFETY PRACTICES MUST BE COMPLIED WITH.
- CIVIL DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
- THE PROVISION OF TRAFFIC ON ALL ROADS IS TO BE IN ACCORDANCE WITH AS1742.3 AND THE QUEENSLAND TMR MUTCD.
- ALL TESTING SHALL BE CARRIED OUT BY AN APPROVED N.A.T.A TESTING AUTHORITY IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

2. EXISTING SERVICES AND FEATURES

- EXISTING SERVICES UNLESS SHOWN ON SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SEARCH PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED.
- THE CONTRACTOR MUST CONFIRM THE EXACT LOCATION AND EXTENT OF EXISTING SERVICES PRIOR TO CONSTRUCTION BY RADIODETECTION AND/OR GROUND PENETRATING RADAR AND NON-DESTRUCTIVE EXCAVATION WHERE SERVICES MAY BE IMPACTED BY THE WORKS.
- THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR SERVICES. DO NOT ASSUME DEPTHS ORALIGNMENTS OF CABLES OR PLANT AS THESE MAY VARY SIGNIFICANTLY. THE CONTRACTOR MUST ACCEPT ALL RESPONSIBILITY TO DAMAGES TO EXISTING SERVICES AS SERVICE AUTHORITIES MAY SEEK COMPENSATION FOR DAMAGES CAUSED TO THEIR PROPERTY AND SUBSEQUENT LOSSES CAUSED.
- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL OR RELOCATION (IF REQUIRED) TO RELEVANT AUTHORITIES GUIDELINES OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA OR AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE PRINCIPAL/SUPERINTENDENT.
- ALL EXISTING SERVICE UTILITIES COVERS AND GRATES ARE TO BE ADJUSTED (TO RELEVANT AUTHORITYGUIDELINES) TO SUIT NEW FINISHED SURFACE LEVELS WHERE APPLICABLE.

3. SOIL EROSION AND SEDIMENT CONTROL NOTES

- IT IS THE CONTRACTORS RESPONSIBILITY TO PREPARE THEIR OWN SEDIMENT AND EROSION CONTROL PLAN (ESCP) WHICH SUITS THE CONSTRUCTION STAGING AND IS IN ACCORDANCE WITH THE BEST PRACTICE EROSION AND SEDIMENT CONTROL (BPESC) DOCUMENT PUBLISHED BY THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA 2018). ALL ESCP ARE TO BE APPROVED BY SUPERINTENDENT PRIOR TO WORKS COMMENCING.
- THE IECA EROSION HAZARD ASSESSMENT FORM SUGGESTS A PRELIMINARY ESCP IS REQUIRED FOR DEVELOPMENTS WITH A TOTAL POINT SCORE OF 17 OR GREATER. THIS DEVELOPMENT PRODUCED A SCORE OF 14.
- ALL TOPSOIL IS TO BE STOCKPILED ON SITE (AWAY FROM TREES AND DRAINAGE LINES) IN A LOCATION TO BE SPECIFIED BY THE RELEVANT AUTHORITY. APPROPRIATE MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES, SUCH AS UPSTREAM TEMPORARY DIVERSION DRAINS. STOCKPILE SITES TO BE APPROVED BY THE SUPERINTENDENT/PRINCIPAL.
- DUST SUPPRESSION SHALL BE CARRIED OUT IN ACCORDANCE WITH RELEVANT AUTHORITIES GUIDELINES.
- UPON COMPLETION OF ALL EARTHWORKS OR AS DIRECTED BY RELEVANT AUTHORITY, SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS. ALL CUT AND FILL SLOPES ARE TO BE HYDROMULCHED WITHIN 14 DAYS OF COMPLETION OF FORMATION.

4. SURVEY NOTES

- ALL DIMENSIONS AND LEVELS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR'S SURVEYOR ON SITE, PRIOR TO MOBILISATION OR COMMENCEMENT OF CIVIL WORKS. THE CONTRACTOR SHALL BE LIABLE FOR ANY STAND DOWN TIME ASSOCIATED WITH NOT CONFIRMING THE ACCURACY OF EXISTING SURVEY COORDINATES AND LEVELS PRIOR TO COMMENCEMENT. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT THE PRINCIPAL.
- THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN DERIVED FROM SURVEY INFORMATION SUPPLIED FROM VISION SURVEYS (QLD) PTY LTD.
- BENCHMARK, SURVEY PEGS, LEVEL PEGS OR SUPPLEMENTARY REFERENCE MARKS SHALL NOT BE ADJUSTED OR MOVED WITHOUT WRITTEN APPROVAL FROM THE PRINCIPAL. THE CONTRACTOR SHALL TRANSFER ANY PEGS AFFECTED BY THE PROPOSED WORKS TO SIDE POSITIONS CLEAR OF OPERATIONS AND SHALL NOTE THE EXTENT OF THE MOVEMENT IN DISTANCE AND LEVEL.
- UNLESS NOTED OTHERWISE, ALL DIMENSIONS AND LEVELS ARE IN METRES (m) TO AUSTRALIAN HEIGHT DATUM (AHD).
- CO-ORDINATES ARE TO MAP GRID AUSTRALIA (MGA).

5. EARTHWORKS NOTES

- CLEANING AND GRUBBING SHALL BE CARRIED OUT TO ALL FILL OR ROADWORK AREAS AND SHALL INCLUDE THE REMOVAL OF ALL EXISTING VEGETATION, TIMBER, FENCES, RETAINING WALLS AND ALL OTHER DEBRIS UNLESS NOMINATED TO BE RESERVED.
- EARTHWORKS AREAS SHALL BE STRIPPED OF ALL UNSUITABLE MATERIAL AND ALL VEGETABLE MATTER AND THE ASSOCIATED LAYER OF TOPSOIL. QUANTITIES HAVE ASSUMED AN EXISTING TOPSOIL LAYER OF APPROXIMATELY 100mm.
- THE DEGREE OF COMPACTION OF EARTHWORKS LAYERS, INCLUDING THE IN-SITU SURFACE ON WHICH EMBANKMENT IS TO BE CONSTRUCTED, SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. CONFIRM THE SPECIFIED DEGREE OF COMPACTION HAS BEEN ACHIEVED BY TESTING.
- WHERE IN-SITU SOFT OR UNSUITABLE MATERIALS ARE ENCOUNTERED, CONTACT THE SUPERINTENDENT. A SUITABLE TREATMENT MAY BE PROPOSED (EITHER FROM THE PROVISIONAL ITEMS OR A DIFFERENT TREATMENT) BASED ON THE CONDITIONS. IF THE TREATMENT REQUIRES REMOVAL AND REPLACEMENT, ENSURE THE MATERIAL IS ALLOWED TO DRAIN (E.G. BY PROVIDING A DRAINAGE BLANKET) OR PROPOSE A MATERIAL WHICH IS OF SIMILAR PERMEABILITY TO THE IN-SITU MATERIALS.
- FILL MATERIALS ARE TO MEET THE REQUIREMENTS OF TMR'S MRTS04 GENERAL EARTHWORKS. REFER TO CLAUSE 14.2.2 FOR EARTH FILL MATERIAL REQUIREMENTS AND CLAUSE 14.3 EMBANKMENT FILL ZONES.

6. PAVEMENT NOTES

- NO PAVEMENT DRAINS / SUBSOIL DRAINS HAVE BEEN PROPOSED BASED ON THE ASSUMPTION THAT THE FINAL PAVEMENT WILL BE FREE-DRAINING. THE CONTRACTOR IS TO ALLOW FOR MAKING AN ASSESSMENT OF THE ABILITY OF THE PAVEMENT TO REMAIN 'FREE-DRAINING', INCLUDING IDENTIFICATION OF POTENTIAL LOW AREAS IN THE PAVEMENT BOXOUT WITHOUT OUTLETS WHICH COULD RESULT IN THE PAVEMENT BECOMING SATURATED OVER TIME. CONSIDER THE INTERFACE BETWEEN NEW AND EXISTING PAVEMENTS (AT WIDENINGS) PARTICULARLY WHERE EXISTING PAVEMENTS ARE TO A GREATER DEPTH THAN PROPOSED WIDENININGS. FOLLOWING THIS ASSESSMENT AND IF REQUIRED, THE CONTRACTOR SHALL PROPOSE A SUITABLE SUBSOIL DRAIN DESIGN ALIGNMENT AND OUTLET TO THE EXISTING TABLE DRAINS OR CULVERTS. THE SUBSOIL DRAINS WILL BE COVERED IN A VARIATION TO THE CONTRACT UNDER PROVISIONAL RATES PROVIDED IN THE BILL OF QUANTITIES.
- SEAL DESIGN INCLUDING APPLICATION RATES OF BINDER AND AGGREGATE ARE TO BE CONFIRMED BY THE SEALING CONTRACTOR BASED ON SPECIFIC CONDITIONS AT THE TIME OF APPLICATION, AS WELL AS THE CHARACTERISTICS OF AGGREGATE ROCK USED, TO ENABLE SAME DAY APPLICATION.
- WHEN JOINING INTO EXISTING PAVEMENT, PAVEMENTS ARE TO BE NEATLY SAW CUT.
- SUBGRADE CBR TESTING MUST BE CARRIED OUT TO CONFIRM PAVEMENT DESIGN THICKNESSES PRIOR TO COMMENCEMENT.
- COMPACT THE SUBGRADE AND FOLLOWING PAVEMENT LAYERS TO MEET THE REQUIREMENTS OF THE SPECIFICATIONS AND TEST TO ENSURE THIS REQUIREMENT HAS BEEN SATISFIED.
- ALL MATERIALS ARE TO BE IN ACCORDANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS.

7. STORMWATER NOTES

- EXISTING TABLE DRAINS WITHIN SITE EXTENTS ARE TO BE INSPECTED AND CLEARED OF ANY OBJECTS OR VEGETATION OBSTRUCTING THE FLOW OF WATER.
- EARTHWORKS ARE TO BE CONDUCTED TO FORMALISE AND ESTABLISH EXISTING TABLE DRAINS WHERE NECESSARY AND AGREED WITH THE SUPERINTENDENT AND PRINCIPAL.
- ALL EXISTING CULVERTS ARE TO BE CLEANED AND VEGETATION TO BE REMOVED FROM INLET AND OUTLET.
- EXISTING CULVERTS SHALL BE INSPECTED BY THE CONTRACTOR DURING CONSTRUCTION TO ENSURE THEY ARE STRUCTURALLY SOUND.
- SUPPLY AND INSTALLATION OF NEW CULVERT CELLS FOR CULVERT EXTENSIONS, INCLUDING EXCAVATION, BEDDING AND BACKFILLING TO SUBGRADE LEVEL IS TO BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT TMR SPECIFICATION(S).

8. SIGNAGE AND LINEMARKING

- LINEMARKING MATERIALS ARE TO BE IN ACCORDANCE WITH DESIGN DRAWINGS AND SPECIFICATIONS OR AS DIRECTED BY THE PRINCIPAL.
- ALL ROAD SIGNS AND EDGE GUIDEPOSTS TO BE IN ACCORDANCE WITH THE SPECIFICATIONS. EXISTING ROAD SIGNS ARE TO BE RE-USED PROVIDED THEY ARE IN A GOOD AND SERVICEABLE CONDITION TO THE SATISFACTION OF THE PRINCIPAL.
- REVIEW SIGHT LINES OF EXISTING SIGNS AND ADJUST IF REQUIRED IN AGREEMENT WITH THE PRINCIPAL / SUPERINTENDENT.
- OBSOLETE LINE PAVEMENT MARKING TO BE REMOVED USING ABRASIVE BLASTING IN ACCORDANCE WITH MRTS45 ROAD SURFACE DELINEATION.

SCHEME SUBMITTED (JJ RYAN CONSULTING PTY LTD):
THIS SCHEME HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF AUSTRADS GUIDE TO ROAD DESIGN AND TMR SUPPLEMENTS.
CIVIL WORKS
SIGNED: ..MICHAEL PATMORE... TITLE: PRINCIPAL ENGINEER
RPEQ No.: 13297..... DATE: 05 AUGUST 2021.....

100 mm ON ORIGINAL



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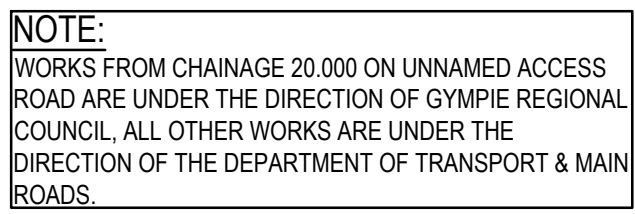
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						DESIGNER	A. KIANFAR														
						DESIGN CHECK	D.ROSBOROUGH														
						DESIGN MANAGER	M. PATMORE														
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AUXILIARY LEFT (AUL)
DECELERATION LENGTH 180m
LANE WIDTH 3.5m
SHOULDER WIDTH 1m

EXISTING BACKGROUND LEFT TURN MOVEMENTS
AM PEAK 0 VEH/HR
PM PEAK 0 VEH/HR

CONSTRUCTION TRAFFIC
(0% FROM WEST)
AM PEAK 0 VEH/HR
PM PEAK 0 VEH/HR
EMPTY DELIVERY VEHICLES FROM SITES
2A AND 2B WILL CONTINUE TO THE EAST
USING THE THROUGH LANE

OPERATION TRAFFIC
(0% FROM WEST)
AM PEAK 0 VEH/HR
PM PEAK 0 VEH/HR
OVERSIZED VEHICLE WITH PILOT/ESCORT WILL
TURN FROM WESTBOUND SHOULDER DURING
TEMPORARY HIGHWAY CLOSURE

SLR CONSULTING RECOMMENDATION BASIC LEFT (BAL)

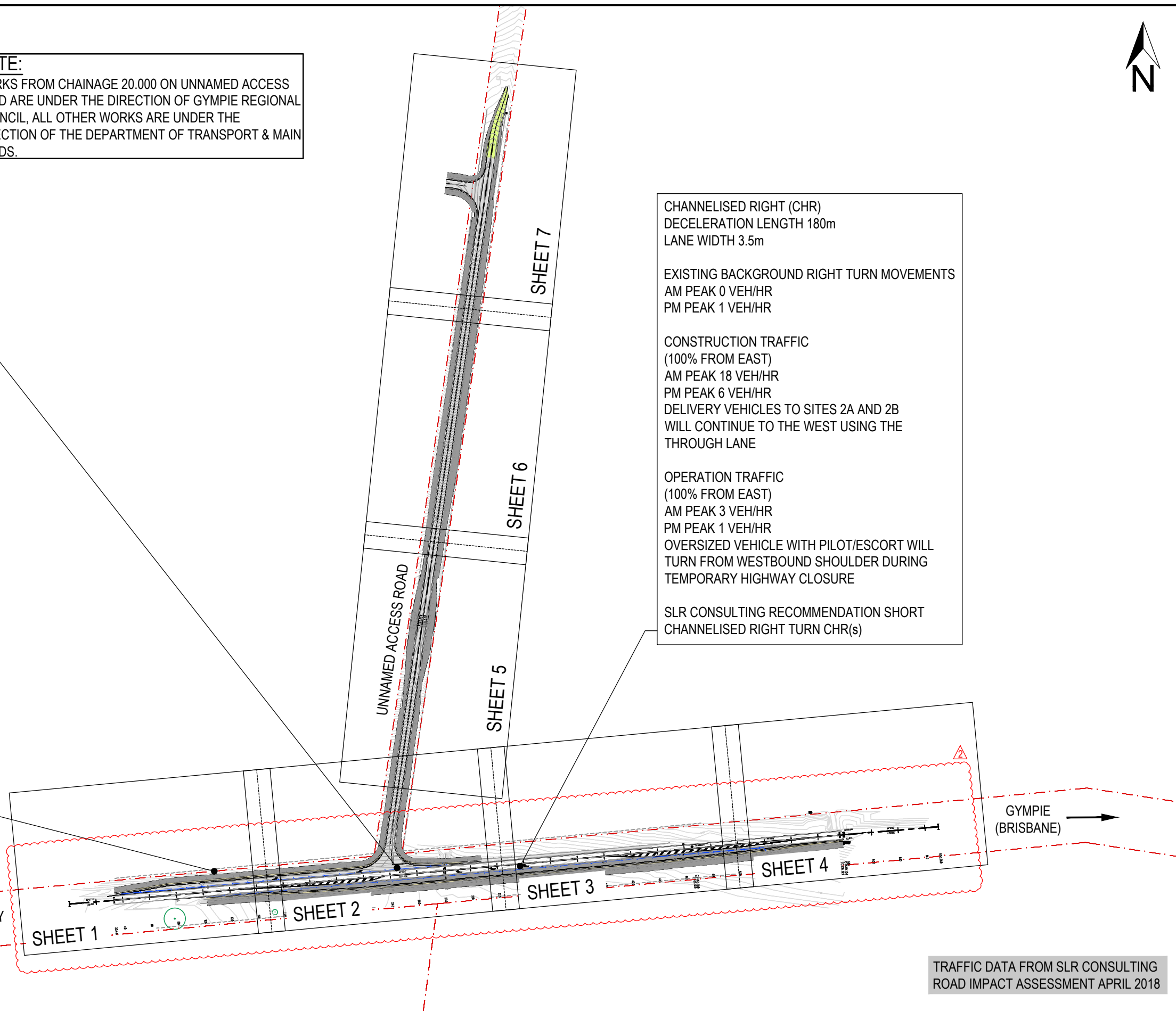
CHANNELISED RIGHT (CHR)
DECELERATION LENGTH 180m
LANE WIDTH 3.5m

EXISTING BACKGROUND RIGHT TURN MOVEMENTS
AM PEAK 0 VEH/HR
PM PEAK 1 VEH/HR

CONSTRUCTION TRAFFIC
(100% FROM EAST)
AM PEAK 18 VEH/HR
PM PEAK 6 VEH/HR
DELIVERY VEHICLES TO SITES 2A AND 2B
WILL CONTINUE TO THE WEST USING THE
THROUGH LANE

OPERATION TRAFFIC
(100% FROM EAST)
AM PEAK 3 VEH/HR
PM PEAK 1 VEH/HR
OVERSIZED VEHICLE WITH PILOT/ESCORT WILL
TURN FROM WESTBOUND SHOULDER DURING
TEMPORARY HIGHWAY CLOSURE

SLR CONSULTING RECOMMENDATION SHORT
CHANNELISED RIGHT TURN CHR(s)



SCHEME SUBMITTED (J J RYAN CONSULTING PTY LTD):
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OF AUSTRROADS GUIDE TO ROAD DESIGN AND TMR SUPPLEMENTS.

CIVIL WORKS

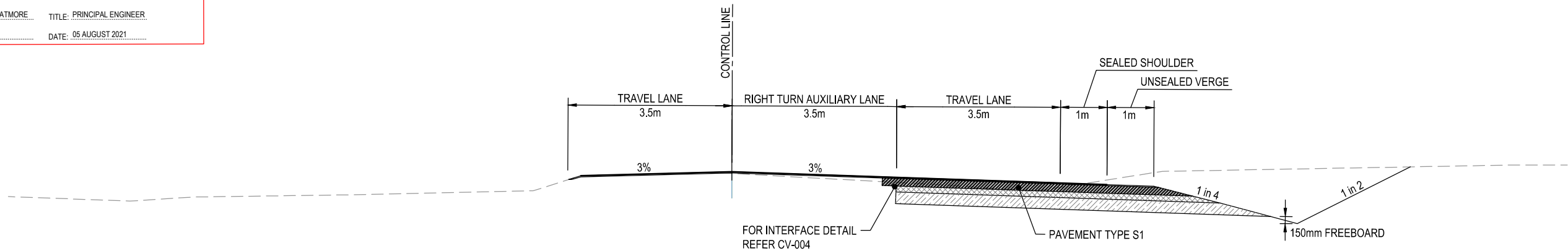
SIGNED: ..MICHAEL PATMORE..... TITLE: ..PRINCIPAL ENGINEER.....

RPEQ No.: 13297..... DATE: 05 AUGUST 2021

TRAFFIC DATA FROM SLR CONSULTING
ROAD IMPACT ASSESSMENT APRIL 2018

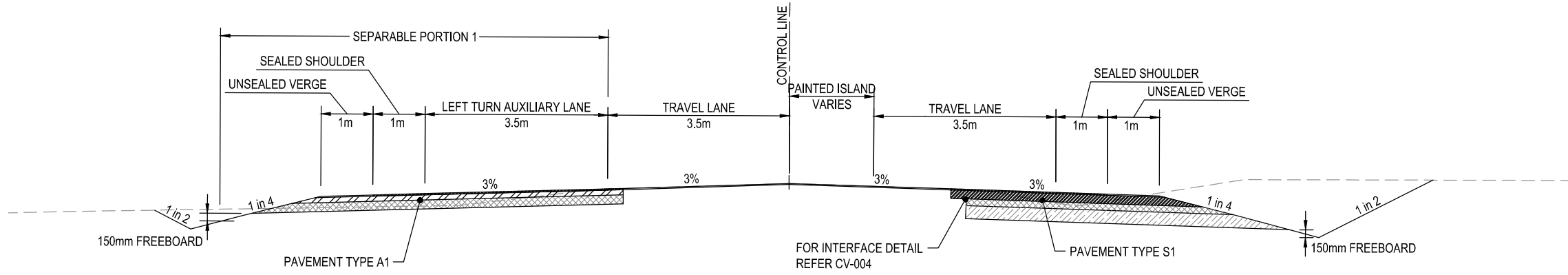
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	EXTERNAL REFERENCE FILES x surv_cont x cadastral x base x con_dem_site_020 x con_dem_site_009 x con_dgn_site_009 x dem_200929_site 1 x pqa_comp					REV	DATE	AMENDMENT / REVISION DESCRIPTION			DVF No	APPROVAL	TITLE	NAME	PRINCIPAL lightsourcebp bp JJ RYAN CONSULTING PTY LTD					DESIGNER					SCALES AT A3 SIZE DRAWING SCALE 1:1500 					WOOLLOOGA SOLAR FARM - ROAD & INTERSECTION UPGRADES - SITE 1 DEVELOPMENT APPLICATION NO. 2020-1577 SHEET LAYOUT PLAN														
						0	18.03.21	CONSTRUCTION ISSUE			N/A	MP	DRAFTER	S. SHAHMARDANI																														
						1	14.05.21	CONSTRUCTION ISSUE			N/A	MP	DRAFTING CHECK	M.MARTIN																														
						2	25.05.21	CONSTRUCTION ISSUE			N/A	MP	DESIGNER	A. KIANFAR																														
													DESIGN CHECK	D.ROSBOROUGH																														
							DESIGN MANAGER	M. PATMORE	PROJECT MANAGER					E. LAM	CO-ORDINATE SYSTEM: MGA 2020 ZONE 56					HEIGHT DATUM: A.H.D.					CLIENT PROJECT / DRAWING No					ISSUE STATUS CONSTRUCTION					JJR PROJECT / DRAWING No JJR-1200312A-CV002					ISSUE 2				

SCHEME SUBMITTED (JJ RYAN CONSULTING PTY LTD):
THIS SCHEME HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS
OF AUSTRROADS GUIDE TO ROAD DESIGN AND TMR SUPPLEMENTS.
CIVIL WORKS
SIGNED: ...MICHAEL PATMORE... TITLE: PRINCIPAL ENGINEER
RPEQ No.: 13297 DATE: 05 AUGUST 2021



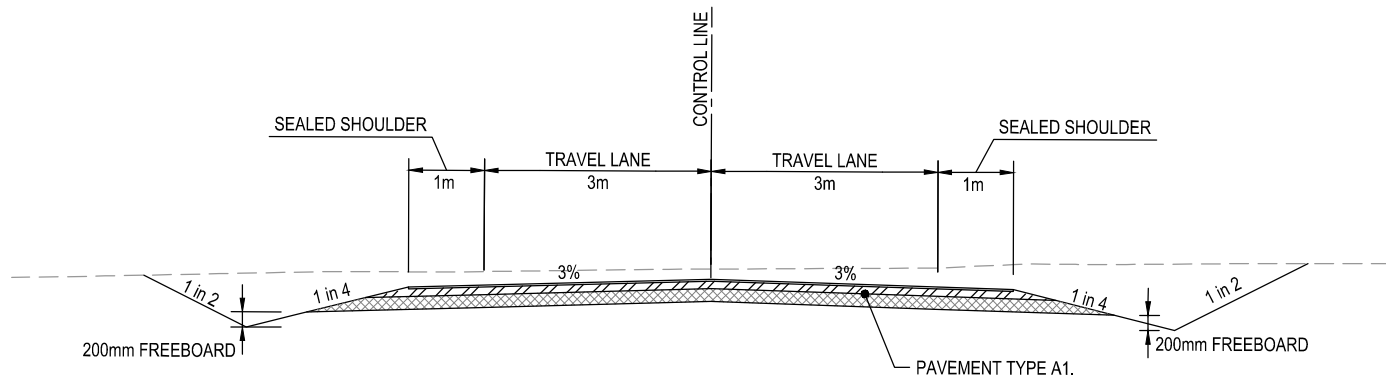
WIDE BAY HWY TYPICAL SECTION CH 280 - CH 440

SCALE: 1:100



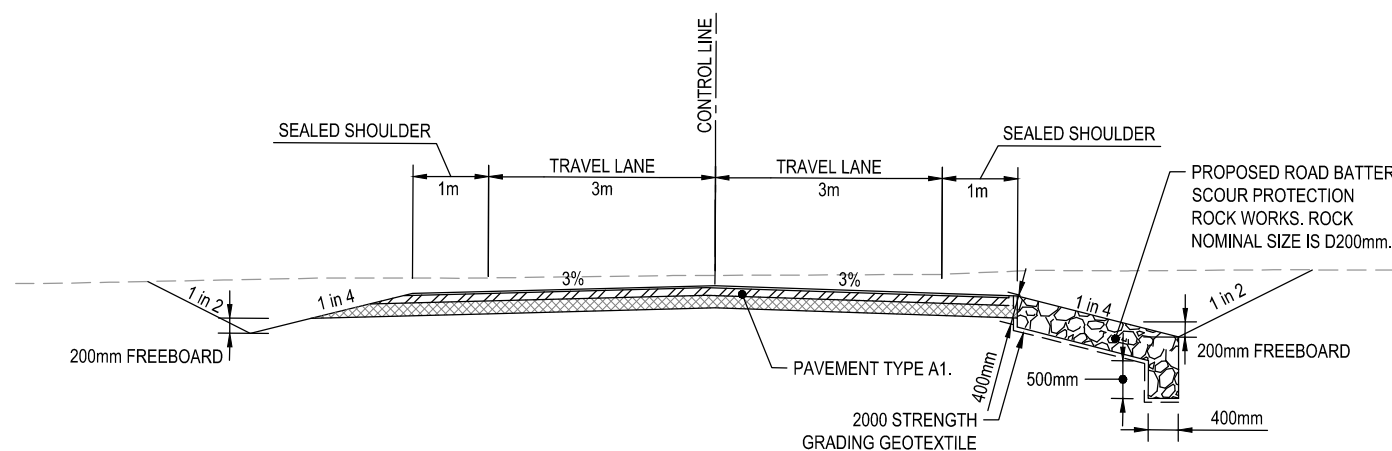
WIDE BAY HWY TYPICAL SECTION CH 75 - CH 220

SCALE: 1:100



ACCESS ROAD TYPICAL SECTION (CH.20 - 162 & 256 - 550)

SCALE: 1:100



ACCESS ROAD TYPICAL SECTION (CH. 162 - 256)

SCALE: 1:100

EXTERNAL REFERENCE FILES				DESIGN LOT CODE	CIVIL	PLOT DATE	09 August 2021	TIME	14:14:23	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		GYMPIE REGIONAL COUNCIL			
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2				25.05.21	CONSTRUCTION ISSUE	N/A	MP	DESIGNER	A. KIANFAR						
								DESIGN CHECK	D.ROSBOROUGH						
								DESIGN MANAGER	M. PATMORE						
								PROJECT MANAGER	E. LAM	CO-ORDINATE SYSTEM: MGA 2020 ZONE 56		HEIGHT DATUM: A.H.D.		CLIENT PROJECT / DRAWING No	
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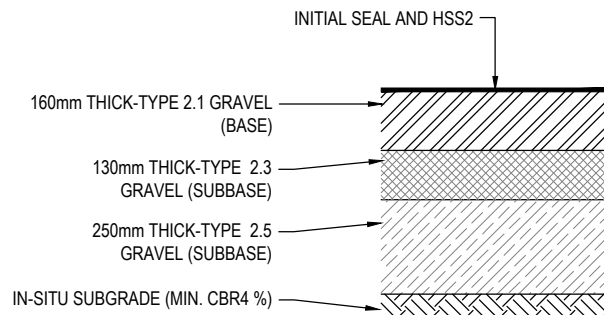
THIS SHEET MAY BE PREPARED USING COLOUR AND MAY BE INCOMPLETE IF COPIED

100 mm ON ORIGINAL

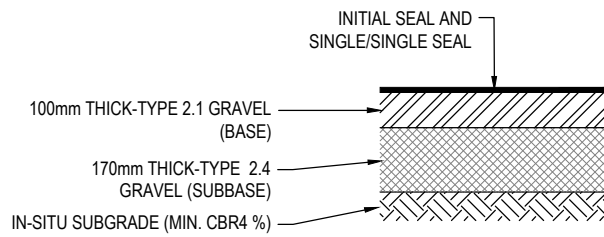
A3 ORIGINAL

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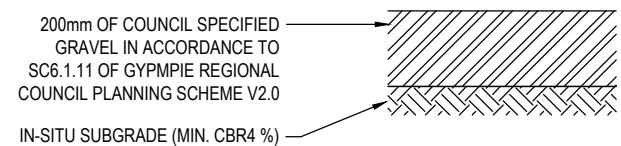
DRAWING FILE LOCATION NAME
C:\Users\Matthew Martin\Dropbox (JJ Ryan Consulting Pty)\Projects\JJR-1200312A-LSBP\02_Technical\04_CAD\Drawings\Site 1\JJR-1200312A-CV004.dwg



PAVEMENT TYPE S1 - WIDE BAY HWY
SCALE 1:20



PAVEMENT TYPE A1 - ACCESS ROAD & AUL
SCALE 1:20



PAVEMENT TYPE A2 - UNSEALED ACCESS ROAD
SCALE 1:20

PRELIMINARY SPRAY SEAL DESIGN

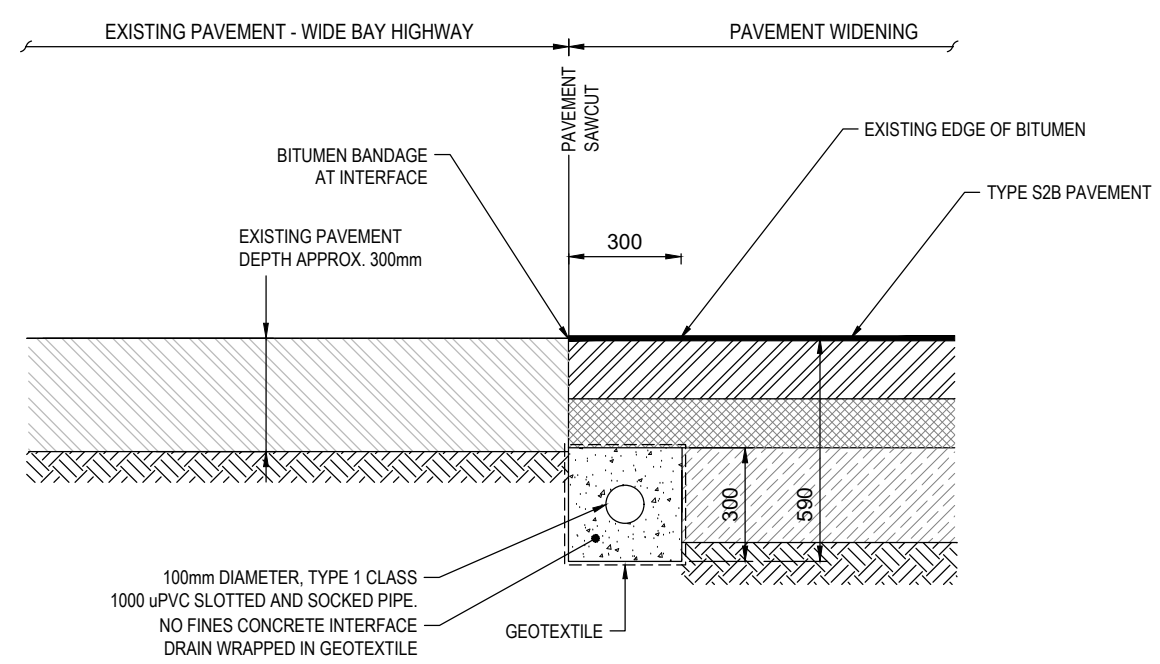
NOTE: FINAL SEAL RATES, CUTTER AND ADHESION AGENT CONTENT TO BE CONFIRMED BY THE CONTRACT ADMINISTRATOR. RATES SPECIFIED ARE FOR ESTIMATING PURPOSES ONLY.

BITUMEN SURFACING - WIDE BAY HIGHWAY (HSS2)

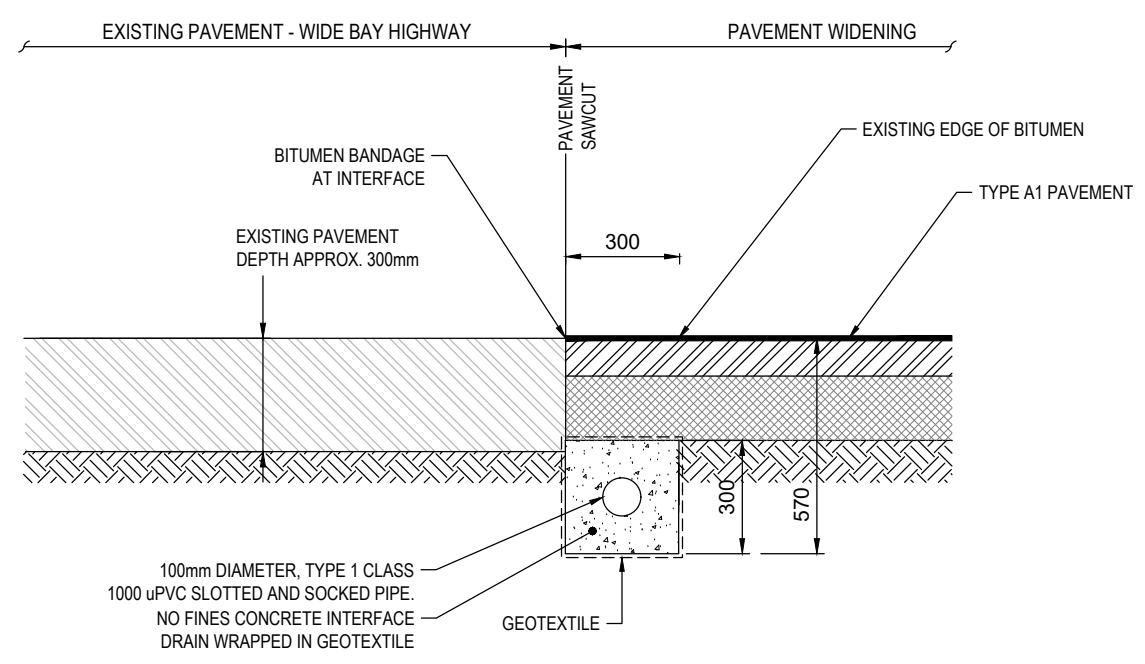
INITIAL SEAL - CUTBACK LINE TO SHOULDER EDGE	AMC7 @ 1.2 L/m ² (INCLUDE PAVEMENT BATTER) 10mm AGGREGATE @ 135m ² /m ³
FIRST SEAL - CUTBACK LINE TO EDGE LINE	S35E @ 1.1 L/m ² 14mm AGGREGATE @ 100m ² /m ³
SECOND SEAL - CUTBACK LINE TO EDGE LINE	S35E @ 0.9 L/m ² 10mm AGGREGATE @ 155m ² /m ³

BITUMEN SURFACING - ACCESS ROADS AND AUL'S

INITIAL SEAL - FULL WIDTH INCLUDING SHOULDERS	AMC7 @ 2.0 L/m ² (INCLUDE PAVEMENT BATTER) 14mm AGGREGATE @ 95m ² /m ³
SINGLE/SINGLE SEAL - BETWEEN EDGE LINES	C170 @ 1.3 L/m ² 10mm AGGREGATE @ 135m ² /m ³





TIE-IN DETAIL TO EXISTING PAVEMENT- WIDE BAY HWY
SCALE 1:20

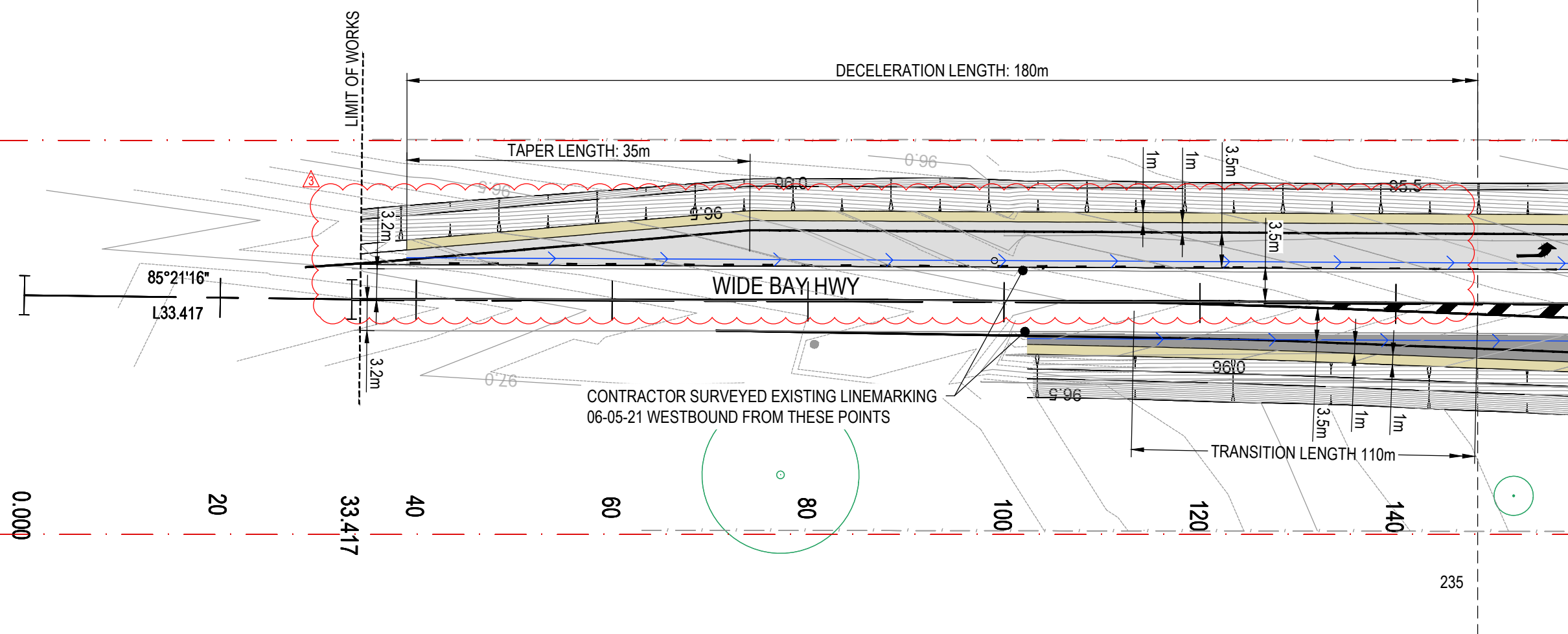
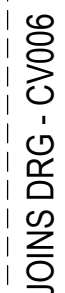


TIE-IN DETAIL TO EXISTING PAVEMENT ACCESS ROAD
SCALE 1:20

SCHEME SUBMITTED (JJ RYAN CONSULTING PTY LTD):
THIS SCHEME HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF AUSTRROADS GUIDE TO ROAD DESIGN AND TMR SUPPLEMENTS.

CIVIL WORKS
SIGNED: .. MICHAEL PATMORE .. TITLE: PRINCIPAL ENGINEER
RPEQ No.: 13297 .. DATE: 05 AUGUST 2021 ..




				DESIGN LOT CODE CIVIL		PLOT DATE 09 August 2021		TIME 16:42:38		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				GYMPIE REGIONAL COUNCIL			
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		DVF No	APPROVAL	TITLE	NAME	<div>PRINCIPAL</div> <div></div> <div></div>		DESIGNER		SCALES AT A3 SIZE DRAWING		WOOLOOGA SOLAR FARM - ROAD & INTERSECTION UPGRADES - SITE 1 DEVELOPMENT APPLICATION NO. 2020-1577 TYPICAL PAVEMENT DETAILS	
	0	18.03.21	CONSTRUCTION ISSUE	N/A	MP	DRAFTER	A. KIANFAR										
	1	14.05.21	CONSTRUCTION ISSUE	N/A	MP	DRAFTING CHECK	M.MARTIN										
	2	25.05.21	CONSTRUCTION ISSUE	N/A	MP	DESIGNER	A. KIANFAR										
	3	05.08.21	CONSTRUCTION ISSUE	N/A	MP	DESIGN CHECK	D.ROSBOROUGH										
						DESIGN MANAGER	M. PATMORE	CO-ORDINATE SYSTEM: MGA 2020 ZONE 56				HEIGHT DATUM: A.H.D.		CLIENT PROJECT / DRAWING No	ISSUE STATUS	JJR PROJECT / DRAWING No	ISSUE
								PROJECT MANAGER	E. LAM			CONSTRUCTION		JJR-1200312A-CV004	3		




SCHEME SUBMITTED (JJ RYAN CONSULTING PTY LTD):
THIS SCHEME HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS
OF AUSTRADOS GUIDE TO ROAD DESIGN AND TMR SUPPLEMENTS.
CIVIL WORKS

SIGNED: MICHAEL PATMORE TITLE: PRINCIPAL ENGINEER

RPEQ No.: 13297 DATE: 05 AUGUST 2021

							DESIGN LOT CODE CIVIL	PLOT DATE 09 August 2021	TIME 14:14:49	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING			GYMPIE REGIONAL COUNCIL						
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION	DVF No	APPROVAL	TITLE	NAME	PRINCIPAL lightsourcebp  	DESIGNER JJ RYAN CONSULTING PTY LTD	SCALES AT A3 SIZE DRAWING SCALE 1:500 		WOOLLOOGA SOLAR FARM - ROAD & INTERSECTION UPGRADES - SITE 1 DEVELOPMENT APPLICATION NO. 2020-1577 SITE LAYOUT PLAN SHEET 1 OF 7				
x \files_block_a3 x base x surv x cadastral x cadastral cont x civil_site_1.dwg x civil_site_1.dwg x civil_site_1.dwg x civil_site_1.dwg x rreq_stamp				0	18.03.21	CONSTRUCTION ISSUE	N/A	MP	DRAFTER	S. SHAHMARDANI			CO-ORDINATE SYSTEM: MGA 2020 ZONE 56						
				1	14.05.21	CONSTRUCTION ISSUE	N/A	MP	DRAFTING CHECK	M.MARTIN									
				2	25.05.21	CONSTRUCTION ISSUE	N/A	MP	DESIGNER	A. KIANFAR									
				3	05.08.21	CONSTRUCTION ISSUE	N/A	MP	DESIGN CHECK	D.ROSBOROUGH									
									DESIGN MANAGER	M. PATMORE									
									PROJECT MANAGER	E. LAM									



SCHEME SUBMITTED (J.J. RYAN CONSULTING PTY LTD):
THIS SCHEME HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS
OF AUSTRROADS GUIDE TO ROAD DESIGN AND TMR SUPPLEMENTS.
CIVIL WORKS
SIGNED: MICHAEL PATMORE TITLE: PRINCIPAL ENGINEER
RPEQ No: 13297 DATE: 05 AUGUST 2021



JOINS DRG - CV007

DECELERATION LENGTH: 180m

✓ EXISTING MAIL BOX AND GUIDE
POST TO BE RELOCATED.

— EXISTING STORMWATER PIPE TO
BE EXTENDED HEADWALLS TO BE
CONSTRUCTED IN ACCORDANCE
WITH TMR SD1304.
(REFER CV034 FOR DETAILS)

CT31.544

TC17.439

80

60

JOINS DRG - CV009

40

20

WIDE BAY HWY

- TRANSITION LENGTH 110m





CH0.000 ———
E444772.899
N7114530.116

X: 15m

STORAGE LENGTH: 40m

DECELERATION LENGTH: 105m

235

				DESIGN LOT CODE CIVIL		PLOT DATE 09 August 2021		TIME 14:15:09		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				GYMPIE REGIONAL COUNCIL											
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		DVF No	APPROVAL	TITLE	NAME	PRINCIPAL		DESIGNER		SCALES AT A3 SIZE DRAWING		WOOLLOOGA SOLAR FARM - ROAD & INTERSECTION UPGRADES - SITE 1 DEVELOPMENT APPLICATION NO. 2020-1577 SITE LAYOUT PLAN SHEET 2 OF 7									
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		1	14.05.21	CONSTRUCTION ISSUE		N/A	MP	DRAFTING CHECK	M.MARTIN																
		2	25.05.21	CONSTRUCTION ISSUE		N/A	MP	DESIGNER	A. KIANFAR																
		3	05.08.21	CONSTRUCTION ISSUE		N/A	MP	DESIGN CHECK	D.ROSBOROUGH																
								DESIGN MANAGER	M. PATMORE																
								PROJECT MANAGER	E. LAM					CO-ORDINATE SYSTEM: MGA 2020 ZONE 56		HEIGHT DATUM: A.H.D.		CLIENT PROJECT / DRAWING No		ISSUE STATUS		J/R PROJECT / DRAWING No		ISSUE	
																		CONSTRUCTION		JR-1200312A-CV006		3			

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JOINS DRG - CV008

EXISTING TELSTRA PIT
EXISTING POWER POLE
EXISTING SIGN
EXISTING GUIDE POST
EXISTING MAIL BOX
FENCE

CONTOUR LINE
EDGE OF BITUMEN
EDGE OF GRAVEL ROAD
ROAD CENTRELINE
ELECTRICAL LINE
GATE

PAVEMENT TYPE S2B

PAVEMENT TYPE A1

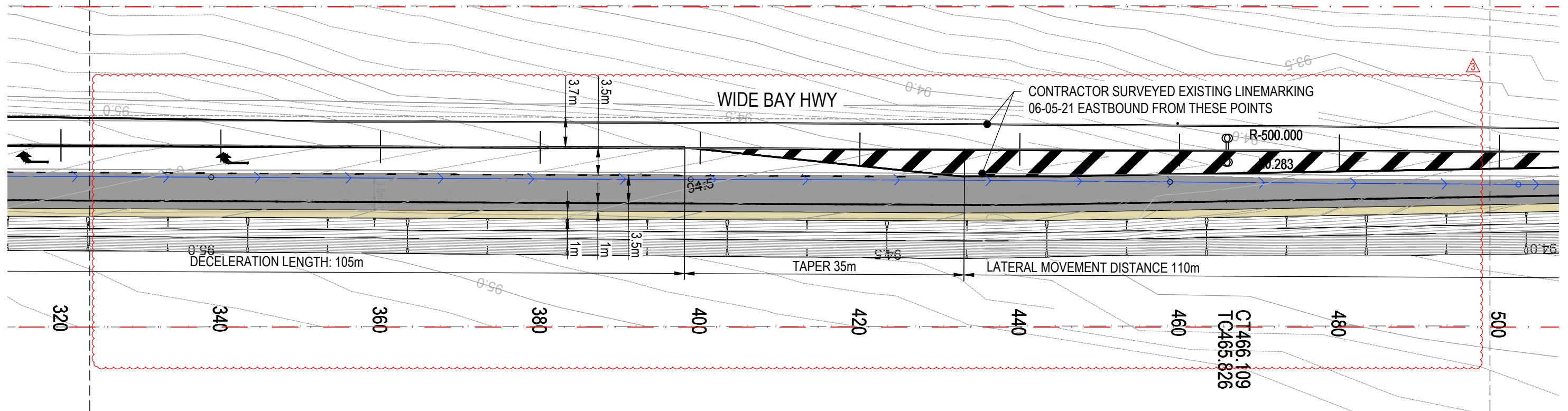
PAVEMENT TYPE A2


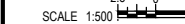

UNSEALED VERGE

LOT BOUNDARY

EXISTING TREE

- SUBSOIL DRAIN
- SUBSOIL CLEANOUT POINT
- SUBSOIL CLEANOUT OUTLET



				DESIGN LOT CODE CIVIL		PLOT DATE 09 August 2021		TIME 14:15:28		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				GYMPIE REGIONAL COUNCIL										
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		DVF No	APPROVAL	TITLE		NAME	<div>PRINCIPAL</div> <div>lightsourcebp</div> <div>DESIGNER</div> <div>JJ RYAN</div> <div>SCALES AT A3 SIZE DRAWING</div> <div>SCALE 1:500</div> <div>CO-ORDINATE SYSTEM: MGA 2020 ZONE 56</div> <div>HEIGHT DATUM: A.H.D.</div>		<div>WOOLLOOGA SOLAR FARM - ROAD & INTERSECTION UPGRADES - SITE 1</div> <div>DEVELOPMENT APPLICATION NO. 2020-1577</div> <div>SITE LAYOUT PLAN</div> <div>SHEET 3 OF 7</div>		<div>CLIENT PROJECT / DRAWING No</div> <div>JJR-1200312A-CV007</div>		<div>ISSUE STATUS</div> <div>CONSTRUCTION</div>		<div>JJR PROJECT / DRAWING No</div> <div>JJR-1200312A-CV007</div>		<div>ISSUE</div> <div>3</div>	
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				N/A	MP	DRAFTING CHECK		M.MARTIN																
				N/A	MP	DESIGNER		A. KIANFAR																
				N/A	MP	DESIGN CHECK		D.ROSBOROUGH																
				N/A	MP	DESIGN MANAGER		M. PATMORE																
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SIGNED: MICHAEL PATMORE TITLE: PRINCIPAL ENGINEER
RPEQ No.: 13297 DATE: 05 AUGUST 2021

EXISTING TELSTRA PIT
EXISTING POWER POLE
EXISTING SIGN
EXISTING GUIDE POST
EXISTING MAIL BOX
FENCE

CONTOUR LINE
EDGE OF BITUMEN
EDGE OF GRAVEL ROAD
ROAD CENTRELINE
ELECTRICAL LINE
GATE

PAVEMENT TYPE S2B




PAVEMENT TYPE A1

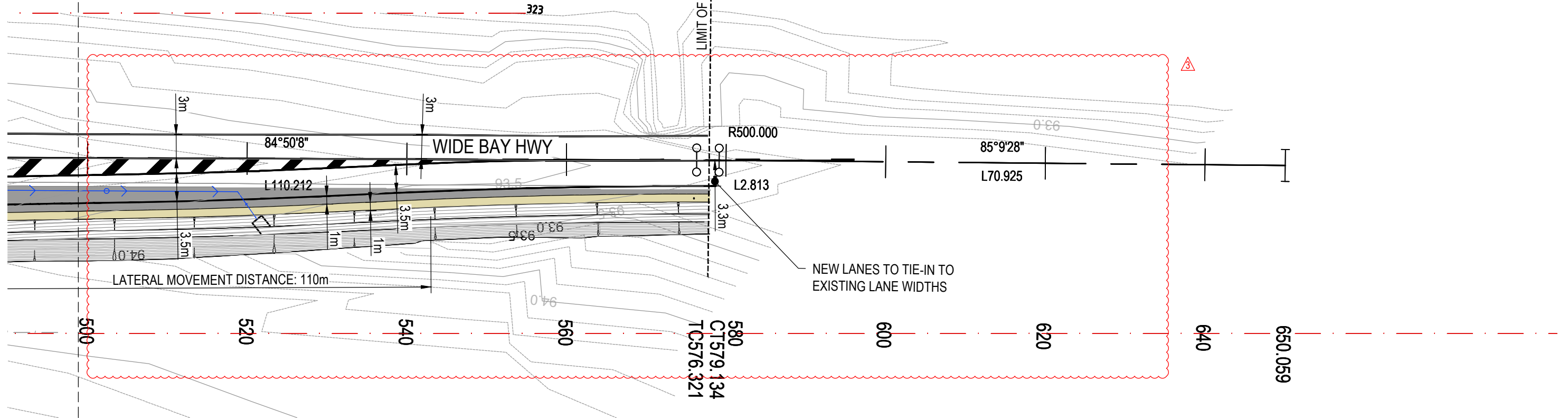
PAVEMENT TYPE A2





UNSEALED VERGE

LOT BOUNDARY

EXISTING TREE

SUBSOIL DRAIN	
SUBSOIL CLEANOUT POINT	
SUBSOIL CLEANOUT OUTLET	



EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	D/VF No	APPROVAL	TITLE	NAME	PRINCIPAL	DESIGNER	SCALES AT A3 SIZE DRAWING SCALE 1:500 			WOOLLOOGA SOLAR FARM - ROAD & INTERSECTION UPGRADES - SITE 1 DEVELOPMENT APPLICATION NO. 2020-1577 SITE LAYOUT PLAN SHEET 4 OF 7		
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	1	14.05.21	CONSTRUCTION ISSUE	N/A	MP	DRAFTING CHECK	M.MARTIN									
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	3	05.08.21	CONSTRUCTION ISSUE	N/A	MP	DESIGN CHECK	D.ROSBOROUGH									
						DESIGN MANAGER	M. PATMORE									
						PROJECT MANAGER	E. LAM									

