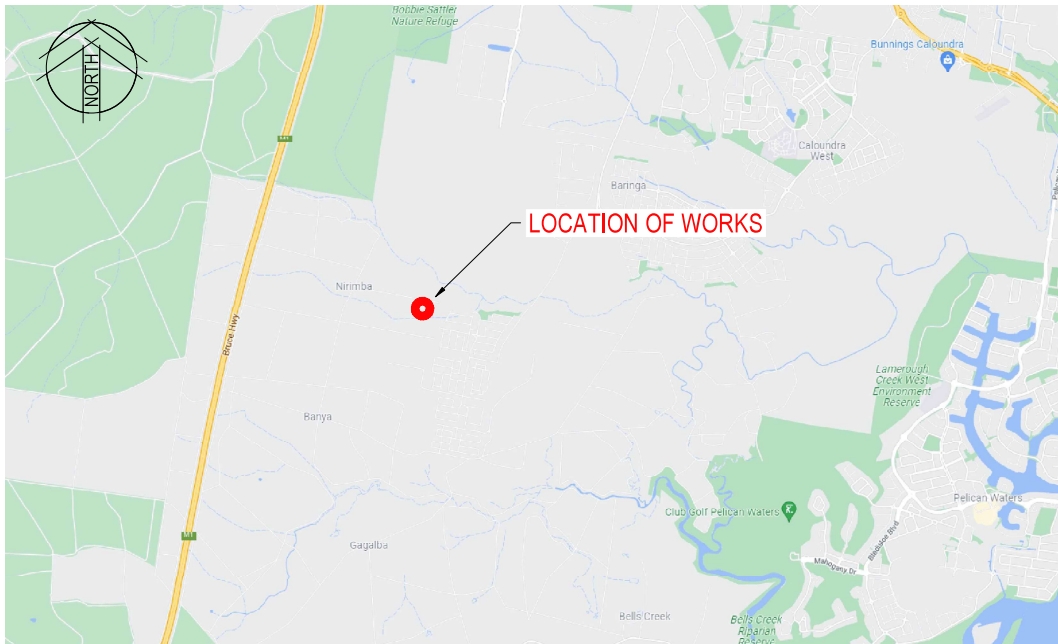


STOCKLAND DEVELOPMENT PTY LTD

AURA PRECINCT 12

PROPOSED AURA CHILDCARE CENTRE

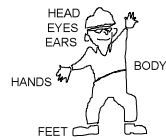


LOCALITY PLAN
SCALE A1 - 1 : 50000
A3 - 1 : 100000



SITE PLAN
SCALE A1 - 1 : 10000
A3 - 1 : 20000

Personal Protective Equipment



SAFETY OFFICER

North DI00:
54409114 / 0421097484
South DI00:
54995127 / 0409729457

SCHEDULE OF DRAWINGS

DRAWING No.	DESCRIPTION
204313-12-CDD-1001	COVER SHEET
204313-12-CDD-1002	LOCALITY AND SCHEDULE OF DRAWINGS
204313-12-CDD-1003	GENERAL NOTES
204313-12-CDD-1010	GENERAL ARRANGEMENT PLAN
204313-12-CDD-1301	STORMWATER DRAINAGE PLAN

TELECOMMUNICATION SERVICE PROVIDERS



NOTE: SERVICE LOCATIONS ARE APPROXIMATE ONLY FROM PROVIDERS PLANS. LOCATIONS ARE TO BE CONFIRMED PRIOR TO START OF CONSTRUCTION. PHONE DBYD SERVICE LOCATIONS ON 1100 FOR DETAILS.

PLEASE CONTACT THE SCC'S ARBORIST PRIOR TO ANY CONSTRUCTION FOR ADVICE ON TREE ROOT PROTECTION IN THE VICINITY OF THE WORKS TO BE CARRIED OUT.



Manual of Uniform Traffic Control Devices



NOTE: ALL SIGNS & LINE MARKING TO BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

ENERGY SERVICE PROVIDERS



NOTE: SERVICE LOCATIONS ARE APPROXIMATE ONLY FROM PROVIDERS PLANS. LOCATIONS ARE TO BE CONFIRMED PRIOR TO START OF CONSTRUCTION. PHONE DBYD SERVICE LOCATIONS ON 1100 FOR DETAILS.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2021/1231
Date: 20 May 2022



SERVICE LOCATIONS:
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE RELEVANT SERVICE AUTHORITIES TO ASCERTAIN THE EXACT LOCATION OF SERVICES PRIOR TO CONSTRUCTION.



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Drawn A.E.	Date 12/10/2021	Client STOCKLAND DEVELOPMENT PTY LTD
Checked N.W.	Date 12/10/2021	Project AURA PRECINCT 12 PROPOSED AURA CHILDCARE CENTRE
Designed A.E.	Date 12/10/2021	
Verified O.R.	Date 12/10/2021	
Approved C.C.	Date 12/10/2021	Title LOCALITY AND SCHEDULE OF DRAWINGS

Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES	DATUM AHD	Orig. Date Oct-21	Scale AS SHOWN	Size A1
Drawing Number 204313-12-CDD-1002	Revision 2			

- G.1. ALL ELEMENTS TO BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS, COUNCIL DEVELOPMENT GUIDELINES AND IPWEA STANDARD DRAWINGS.
- G.2. ALL PRODUCTS AND MATERIALS TO BE IN ACCORDANCE WITH THE RELEVANT AUTHORITY SPECIFICATIONS
- G.3. WHERE PROVIDED, THE ACCOMPANYING BILLS OF QUANTITIES SHALL ONLY SERVE AS A SUPPLEMENT FOR PRICING PURPOSES. THE CONTRACTOR SHALL ALLOW FOR ALL WORKS REQUIRED TO COMPLY WITH THE DRAWINGS. THIS INCLUDES ANY TEMPORARY, INTERMEDIATE OR PROTECTIVE WORKS REQUIRED TO FACILITATE FINAL CONSTRUCTION.
- G.4. ALL SERVICES WITHIN THE WORKS AREA TO BE IDENTIFIED, DESIGNATED AND DEACTIVATED, WHERE PRACTICAL
- G.5. SERVICES SHOWN ON THESE PLANS ARE ONLY THOSE EVIDENT AT THE TIME OF SURVEY, FROM AS CONSTRUCTED SURVEY AND FROM 'DIAL BEFORE YOU DIG' SEARCHES. THERE MAY BE MORE SERVICES NOT SHOWN ON THESE DRAWINGS.
- G.6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE RELEVANT SERVICE UTILITY PROVIDERS TO CONFIRM THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS.
- G.7. ANY DAMAGE TO SERVICES SHALL BE REPAIRED BY THE CONTRACTOR OR THE RELEVANT AUTHORITY AT THE CONTRACTOR'S EXPENSE.
- G.8. THIS PROJECT HAS BEEN DESIGNED GDA94 (MGA56) AS SUPPLIED BY AAM SURVEY.
- G.9. ALL SETOUT DATA TO BE SUPPLIED ELECTRONICALLY.

- C.1. NON-VEHICULAR PATHS ONLY MAY USE DANLEY 'EXPANDA' JOINT SYSTEMS
CONCRETE PAVEMENTS $\leq 1 \times 10^6$ ESA TO BE DETAILED IN ACCORDANCE WITH CPAA RESIDENTIAL STREETS /
AUSTRROADS LIGHT TRAFFIC DESIGN GUIDES.
- C.2. CONCRETE PAVEMENTS $\geq 1 \times 10^6$ ESA TO BE DETAILED IN ACCORDANCE WITH NSW TRANSPORT ROADS AND MARITIME
SERVICES (RTA) STANDARD DRAWINGS (JRCP AND SFCP SERIES) AND RESPECTIVE SPECIFICATIONS (AS REFERENCED
IN AUSTRROADS AGPT02 - STRUCTURAL DESIGN). ANY DISCREPANCY BETWEEN THE TRMS (RTA) STANDARDS & THE
PROJECT SPECIFICATION IS TO BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.
- C.3. GRANULAR SUB-BASE UNDER CONCRETE TO BE CRUSHED ROCK, ROADBASE OR APPROVED ALTERNATIVE (CBR15
MIN.) FOR VEHICLE PAVEMENTS. 'CRUSHER DUST' TO BE USED UNDER PATHS AND NON TRAFFICABLE CONCRETE TO
PROVIDE DETAILED SHAPE AND FALLS TO CONCRETE PAVEMENTS AS NECESSARY.
- C.4. GRANULAR SUB-BASE SHALL BE COMPACTED AS SPECIFIED, TO A UNIFORMLY SMOOTH, FLAT SURFACE TO THE
SATISFACTION OF THE SUPERINTENDENT PRIOR TO CONCRETE PLACEMENT.
- C.5. ARCHITECTURAL FINISHES TO VEHICULAR PAVEMENT SHALL NOT COMPROMISE THE NOMINATED AGGREGATE SIZE
(20mm), LIMIT THE EFFECTIVENESS OF LINEMARKING OR COMPROMISE SKID RESISTANCE. FULL DEPTH COLOUR
TREATMENTS AND BROOM FINISHES ARE GENERALLY ACCEPTABLE. ANY OTHER TREATMENTS MUST BE APPROVED
PRIOR TO USE.
- C.6. ALL SERVICE COVERS WITHIN SHARED / BICYCLE PAVEMENTS TO BE INFILL TYPE, WHERE POSSIBLE, TO MINIMISE SLIP
HAZARD. CONCRETE INFILL COVERS ARE NOT ACCEPTABLE FOR UNITYWATER ASSETS.
- C.7. FIXED INTERNAL PENETRATIONS AND EDGES ABUTTING STRUCTURES TO BE ISOLATED WITH A 10mm FLEXIBLE
(ABLEFLEX) JOINT. VALVE COVERS AND OTHER 'FLOATING' SERVICES MAY BE CAST DIRECTLY INTO THE SLAB.
- C.8. ALL INTERNAL CORNERS AND PENETRATIONS REQUIRE 2X PARALLEL N12 TRIMMERS (900mm LONG) ACROSS EACH
CORNER TO CONTROL CRACKING, UNLESS ALIGNED WITH AN APPROPRIATE FORMED OR INDUCED JOINT.
- C.9. FOR SLABS ≤ 100 mm THICK, SUFFICIENT COMPACTION IS ACHIEVED THROUGH SCREEDING PROCESS. FOR >100 mm
THICK AN IMMERSION VIBRATOR MUST BE USED TO ADEQUATELY DISPEL ENTRAINED AIR
- C.10. SURFACE SHALL BE TREATED WITH A MOISTURE EVAPORATION RETARDANT (ALIPHATIC ALCOHOL) AFTER SCREEDING
AND PRIOR TO FLOATING.
- C.11. AN ADDITIONAL CURING COMPOUND MUST BE APPLIED OVER FINISHED WORKS. THE PRODUCT MUST BE
APPROPRIATE FOR THE NOMINATED ARCHITECTURAL FINISH AND APPLIED IN ACCORDANCE WITH MANUFACTURES
RECOMMENDATIONS
- C.12. LMC SUB-BASE TO BE CURED BY THE APPLICATION OF A WAX EMULSION HYDROCARBON RESIN.
- C.13. CONCRETE CUTTING SHALL BE UNDERTAKEN WITHIN 8 HOURS OF PLACEMENT. A SOFT-CUT SAW IS RECOMMENDED
TO ENSURE CORRECT DEPTH OF CUTS, MINIMISE SPALLING AT ARRISSES AND PERMIT CUTTING WITHIN THE
APPROPRIATE TIME.
- C.14. FINISHED SURFACE SHALL NOT BE TRAFFICKED EARLIER THAN 10 DAYS AFTER PLACEMENT.

- L.1. ALL SIGNS SHALL BE LOCATED IN ACCORDANCE WITH AUS. STD. 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' (M.U.T.C.D.).
- L.2. ALL SIGNS TO BE SIZE 'B' UNLESS NOTED OTHERWISE.
- L.3. SIGN SUPPORTS TO BE IN ACCORDANCE WITH DTMR STD. DWG. NO.S 1363 & 1368.
- L.4. SIGNS LOCATED IN MEDIANS TO BE INSTALLED USING LOC SOCKET OR APPROVED EQUIVALENT.
- L.5. ALL LINEMARKING AND CHEVRONS SHALL BE IN ACCORDANCE WITH AUS. STD. 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES'.
- L.6. PAINTED LINES OR MARKINGS SHALL BE TYPE 1 ROAD MARKING PAINT APPLIED AT 0.375L/m² TO ACHIEVE A DRY THICKNESS OF 250-300 MICRONS OR TYPE 2 ON ROADS WITH OPERATING AADT OF 2000 VEHICLES/DAY.
- L.7. GENERALLY LINES SHALL BE MARKED IN THE FOLLOWING MATERIALS: DIAGONALS/CHEVRONS PAINTED
STOP BARS/GIVE WAY LINES THERMOPLASTIC
- L.8. RAISED REFLECTORIZED PAVEMENT MARKERS ARE TO BE PROVIDED TO ALL BARRIER AND MEDIAN LINEMARKING IN ACCORDANCE WITH AUS. STD. 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES'.
- L.9. PAVEMENT ARROWS ARE TO BE AT 25m SPACING, UNLESS NOTED OTHERWISE.
- L.10. BICYCLE LANE SYMBOLS TO BE LOCATED AS INDICATED AND OTHERWISE AT 150m INTERVALS U.N.O.
- L.11. ROAD EDGE GUIDEPOSTS TO BE INSTALLED TO FULL LENGTH OF SEALED SHOULDERS WHERE THERE IS NO KERB IN ACCORDANCE WITH MUTCD AND DTMR STANDARD DRAWING NO.1356
- L.12. DELINEATORS SHALL BE FIXED AT 6.0m MAXIMUM CENTRES ATOP OF GUARDRAIL.

- P.1. ALL PAVEMENT DEPTHS SHALL BE CONFIRMED BY SUBGRADE TESTING PRIOR TO CONSTRUCTION, IN ACCORDANCE WITH IN ACCORDANCE WITH THE SPECIFICATION. IN-SITU DCP SAMPLES TO USE DTMR METHOD Q114B.
- P.2. IN CUT, MINIMUM TREATMENTS FOR CBRs LOWER THAN 3% ARE AS FOLLOWS; (EITHER DIG AND REPLACE OR ADD BELOW LOWER SUB-BASE)
 - P2.1. CBR 2 = +200mm ROCKFILL OR CBR10 FILL
 - P2.2 CBR 1 = +400mm ROCKFILL OR CBR10 FILL.
- P.3. ALL ASPHALT SHALL BE UNDERLAIN WITH A SEAL AS FOLLOWS:
 - P.3.1.1. MINOR ROADS (ESA's $<1.0 \times 10^6$) 7mm EMULSION PRIMER-SEAL.
 - P.3.1.2. MAJOR ROADS (ESA's $\geq 1.0 \times 10^6$) AMC00 PRIME AND 10mm C170 SEAL.
- P.4. WHERE STENCILED PRINT/STAMPED AC FINISH IS TO BE CONSTRUCTED, USE AN ADDITIONAL 10mm DENSE GRADED AC ON TOP OF THE SPECIFIED AC SURFACING DEPTH AND SUB-BASE ADJUSTED TO MAINTAIN OVERALL PAVEMENT THICKNESS.
- P.5. FINAL SURFACING DESIGN TO BE PROVIDED FOR APPROVAL BY THE SUPERINTENDENT, DESIGNS NOMINATED ON THE PROJECT DRAWINGS TO BE ADJUSTED TO SUIT SITE CONDITIONS.
- P.6. CLEAN OUT PTS SHALL BE PROVIDED TO BLIND ENDS OF 100mm DIA, SUBSURFACE DRAINAGE PIPES IN ACCORDANCE WITH IPWEA STANDARD DRAWING NO RS-140.

- S.1. SUBSOIL DRAINAGE SHALL BE IN ACCORDANCE WITH AUSTRROADS AGPT10 AND IPWEA STD. DWG. RS-140.
- S.2. SUBSOIL DRAINAGE IS TO BE INSTALLED UNDER ALL KERBS, INTERFACES OF PAVEMENT WIDENING AND TO LANDSCAPED MEDIANS, UNLESS NOTED OTHERWISE. MITRE DRAINS ARE TO BE PROVIDED ON GRADES IN ACCORDANCE WITH IPWEA STD DWG RS-140 AND AS NECESSARY TO INTERCEPT ANY VISIBLE GROUNDWATER PERCOLATION IN THE SUBGRADE.
- S.3. SUBSOIL DRAINAGE SHALL BE CONTINUOUS WITH ADJOINING KERB AND CHANNEL WHERE CONCRETE INVERT IS CONSTRUCTED. REFER IPWEA STANDARD DRAWINGS RS-140 TO RS-142.
- S.4. TYPE B DRAINS SHALL BE USED FOR SUBSOIL DRAINS PLACED IN SAND OR COARSER GRANULAR SOILS. THE DRAIN SHALL COMPRISE OF 5mm SCREENINGS SURROUNDING AN UN-SOCKED 100mm SLOTTED PIPE.
- S.5. TYPE C DRAINS SHALL BE USED WHEN DRAINS ARE PLACED IN CLAY, SILT OR FINE SAND GROUND CONDITIONS. THE DRAIN SHALL COMPRISE OF A GEOTEXTILE FILTER (FILTRATION CLASS V, STRENGTH CLASS C) WRAPPED AROUND 10mm SCREENINGS CONTAINING A 100mm DIA (UN-SOCKED) SLOTTED PIPE.
- S.6. TYPE D DRAINS SHALL BE USED FOR SUBSOIL DRAINS PLACED IN SAND OR COARSER GRANULAR SOILS. THE DRAIN SHALL COMPRISE OF 5mm SCREENINGS COMBINED WITH A PROPRIETARY WRAPPED STRIP FILTER DRAIN.

- PCL.1. ALL STORMWATER DRAINAGE PIPES ARE TO BE LAID IN TYPE H2 SUPPORT.
- PCL.2. THE MINIMUM COMPACTED LAYER THICKNESS FOR TRENCH BACKFILLING SHALL BE AS FOLLOWS:-
 - A. CLASS 2 STEEL REINFORCED CONCRETE PIPES:
 - (i) THE CONTRACTOR SHALL FIRST COVER THE PIPE WITH A LAYER OF FILL MATERIAL EQUIVALENT TO A 400mm COMPACTED LAYER OF FILL BEFORE APPLYING INITIAL COMPACTION WITH A VIBRATORY TRENCH ROLLER (UP TO 2 TONNES).
 - (ii) A VIBRATORY RAMMER (UP TO 75kg) MAY BE USED FOR FILL HEIGHTS BETWEEN 400mm AND 700mm.
 - (iii) A 15 TONNE EXCAVATOR AND COMPACTION WHEEL MAY BE USED FOR FILL HEIGHTS ABOVE 700mm.
 - B. CLASS 3 STEEL REINFORCED CONCRETE PIPES.
 - (i) THE CONTRACTOR SHALL FIRST COVER THE PIPE WITH A LAYER OF FILL MATERIAL EQUIVALENT TO A 250mm COMPACTED LAYER OF FILL BEFORE APPLYING INITIAL COMPACTION WITH A VIBRATORY TRENCH ROLLER (UP TO 2 TONNES).
 - (ii) A VIBRATORY RAMMER (UP TO 75kg) MAY BE USED FOR FILL HEIGHTS BETWEEN 350mm AND 500mm.
 - (iii) A 15 TONNE EXCAVATOR AND COMPACTION WHEEL MAY BE USED FOR FILL HEIGHTS ABOVE 500mm.
- PCL.3. THE CONTRACTOR SHALL NOT VARY THE PIPE SUPPORT TYPE, LAYER THICKNESS AND COMPACTION EQUIPMENT, AS SET OUT ABOVE, WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT AND MUST COMPLY IN ALL RESPECTS WITH IPWEA STANDARD DRAWING DS-030.
- PCL.4. NO CRACKS SHALL BE PERMISSIBLE IN THE COMPLETED STORMWATER PIPE SYSTEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT PIPES ARE NOT DAMAGED DURING DELIVERY, CONSTRUCTION AND POST CONSTRUCTION OF STORMWATER SYSTEMS.
- PCL.5. PIPE COVER AND CLASS HAVE BEEN SELECTED FOR SUBGRADE COMPACTION BY A 10 TONNE SMOOTH DRUM VIBRATORY ROLLER FOR PAVEMENT DEPTHS UP TO 450mm. IF PAVEMENT DEPTHS ARE GREATER THAN 450mm, THE CONTRACTOR SHALL ADOPT CONSTRUCTION TECHNIQUES TO ENSURE THAT THE PIPES ARE NOT DAMAGED DURING CONSTRUCTION.

THE SITE IS TO BE MANAGED AND STAGED TO KEEP THE EROSION RISK POTENTIAL AS LOW AS PRACTICAL AT ALL TIMES. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE GENERAL ENVIRONMENTAL DUTY, AS DEFINED IN THE ACT, IS OBSERVED FOR THE DURATION OF THE WORKS.

ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH I.E. AUST. SOIL EROSION AND SEDIMENT CONTROL MANUAL, SCRC MANUAL FOR EROSION AND SEDIMENT CONTROL, IECA BEST PRACTICE EROSION AND SEDIMENT CONTROL AS DETAILED ON THIS PLAN, OR AS REQUIRED FOR COMPLIANCE WITH THE REQUIREMENTS OF THE ENVIRONMENTAL MANAGEMENT PLAN.

1. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING EROSION AND SEDIMENT CONTROL DEVICES ARE INSPECTED AND MAINTAINED AS FOLLOWS:
 - A. DAILY CONSTRUCTION
 - (I) DAILY DURING DRY WEATHER
 - (II) PRIOR TO PREDICTED STORM EVENTS
 - (III) TWICE DAILY DURING PROLONGED RAIN
 - (IV) DURING AND AFTER MAJOR STORM EVENTS
 - B. DURING DEFECTS LIABILITY PERIOD
 - (I) WEEKLY DURING DRY WEATHER
 - (II) PRIOR TO PREDICTED STORM EVENTS
 - (III) TWICE WEEKLY DURING PROLONGED RAIN
 - (IV) DURING AND AFTER MAJOR STORM EVENTS
2. EROSION AND SEDIMENT CONTROL DEVICES ON THESE PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE INTENT OF THESE PLANS AND THE ENVIRONMENTAL MANAGEMENT PLAN ARE COMPLIED WITH.
3. STABILISED ACCESS (ENTRY AND EXITS), DRAINAGE AND EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED PRIOR TO THE CLEARING AND GRUBBING AND CONSTRUCTION OF HAUL ROADS.
4. ALL STORMWATER RUN OFF FROM ENTRY/EXIT LOCATIONS IS TO BE TREATED AS DIRTY WATER AND DIRECTED TO AN APPROPRIATE SEDIMENT CONTROL DEVICE.
5. DRAINAGE, EROSION AND SEDIMENT CONTROL DEVICES/STRATEGIES SHALL BE IMPLEMENTED PRIOR TO DISTURBANCE OF THE SITE, AND SHALL REMAIN IN PLACE UNTIL PERMANENT WORKS ARE COMPLETED AND CATCHMENT VEGETATION IS ESTABLISHED (80% GRASS COVER, MINIMUM).
6. WHERE PRACTICAL, HIGH EROSION AND SEDIMENTATION RISK CONSTRUCTION WORKS, SUCH AS WORKS ADJACENT TO AND WITHIN OVERLAND FLOW PATHS, ARE TO BE SCHEDULED DURING LOW RISK PERIODS WITH MINIMAL PREDICTED RAINFALL.
7. SEDIMENT DEPOSITS THAT OCCUR OFF-SITE, AS A RESULT OF THESE CONSTRUCTION WORKS ARE TO BE CLEANED UP AND REHABILITATED TO PRIOR CONDITION AS SOON AS POSSIBLE, FOLLOWING IDENTIFICATION OF PROBLEM. CORRECTIVE ACTION TO BE UNDERTAKEN AND RECORDED TO PREVENT RECURRENCE.
8. SUFFICIENT STOCKPILES OF MULCH/JUTE MAT/FLOCCULANT/ SOIL BINDER MUST BE RETAINED ON SITE AT ALL TIMES TO ENABLE ONGOING EROSION AND SEDIMENT CONTROL.
9. ALL EROSION AND SEDIMENT CONTROL DEVICES ARE TO BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. MAINTENANCE OF DEVICES IS TO CONTINUE UNTIL SITE IS STABILISED.
10. LAND CLEARING AND VEGETATION SELECTED FOR REMOVAL IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE RELEVANT APPROVALS AND MANAGEMENT PLANS.
11. SEDIMENT AND DRAINAGE CONTROL STRUCTURES ARE TO BE INSTALLED PRIOR TO VEGETATION CLEARING, WHERE POSSIBLE, IN ORDER TO MINIMISE ANY SOIL LOSS AND IMPACTS TO SITE DRAINAGE FLOW PATHS.
12. DISTURBANCE TO RIPARIAN LANDS IS TO BE AVOIDED WHERE PRACTICABLE.
13. ONCE VEGETATION CLEARING HAS OCCURRED, STABILISATION MEASURES ARE REQUIRED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
14. STOCKPILES ARE TO BE POSITIONED AWAY FROM OVERLAND FLOW PATHS, POOR DRAINAGE AREAS OR OTHER LIKELY CONFLUENCES WHERE CONCENTRATED FLOW MAY CAUSE SEDIMENT TRANSPORTATION.
15. STOCKPILES ARE TO BE LOCATED UP GRADIENT OF AN APPROPRIATE SEDIMENT CONTROL DEVICE, WITH A CATCH DRAIN OR DIVERSION BUND INSTALLED UP GRADIENT TO REDUCE OVERLAND FLOW INTO THE STOCKPILE AREA.
16. STOCKPILED (FILL OR EXCAVATED) MATERIAL THAT WILL REMAIN ONSITE FOR LONGER THAN 10 DAYS IS TO BE COVERED AND BUNDED TO PREVENT SEDIMENT LADEN WATER RUN-OFF.
17. THE SITES EROSION AND SEDIMENT CONTROL DRAWINGS MUST BE REVIEWED REGULARLY AND UPDATED AS REQUIRED IN RESPONSE TO CHANGES IN SITE CONDITIONS, CONSTRUCTION ACTIVITIES OR CONSTRUCTION STAGING.
18. RECORDS OF REPRESENTATIVE SAMPLING OF TSS, TURBIDITY AND pH, OF ANY FLOWS RELEASED FROM THE SEDIMENT BASINS ARE TO BE MAINTAINED.
19. FLOCCULENT DOSING RATES FOR SEDIMENT BASIN DOSING SYSTEMS ARE TO BE RECORDED ARE TO BE MAINTAINED.
20. IF WORKS ARE TO BE SUSPENDED IN AREAS THAT ARE NOT COMPLETE, THE EXPOSED AREAS ARE TO HAVE TEMPORARY COVERAGE (HYDROMULCH/SOILBINDER etc.) APPLIED TO REDUCE THE RISK OF EROSION DUE TO RAINFALL AND WIND.



Queensland
Government

Approval no: DEV2021/1231
Date: 20 May 2022

2	11/05/2022	LAYOUT AMENDED		A.E.	R.S.	C.G.
1	12/10/2021	ISSUE FOR APPROVAL		A.E.	R.S.	C.G.
Rev.	Date	Description		Des.	Verif.	Appd.



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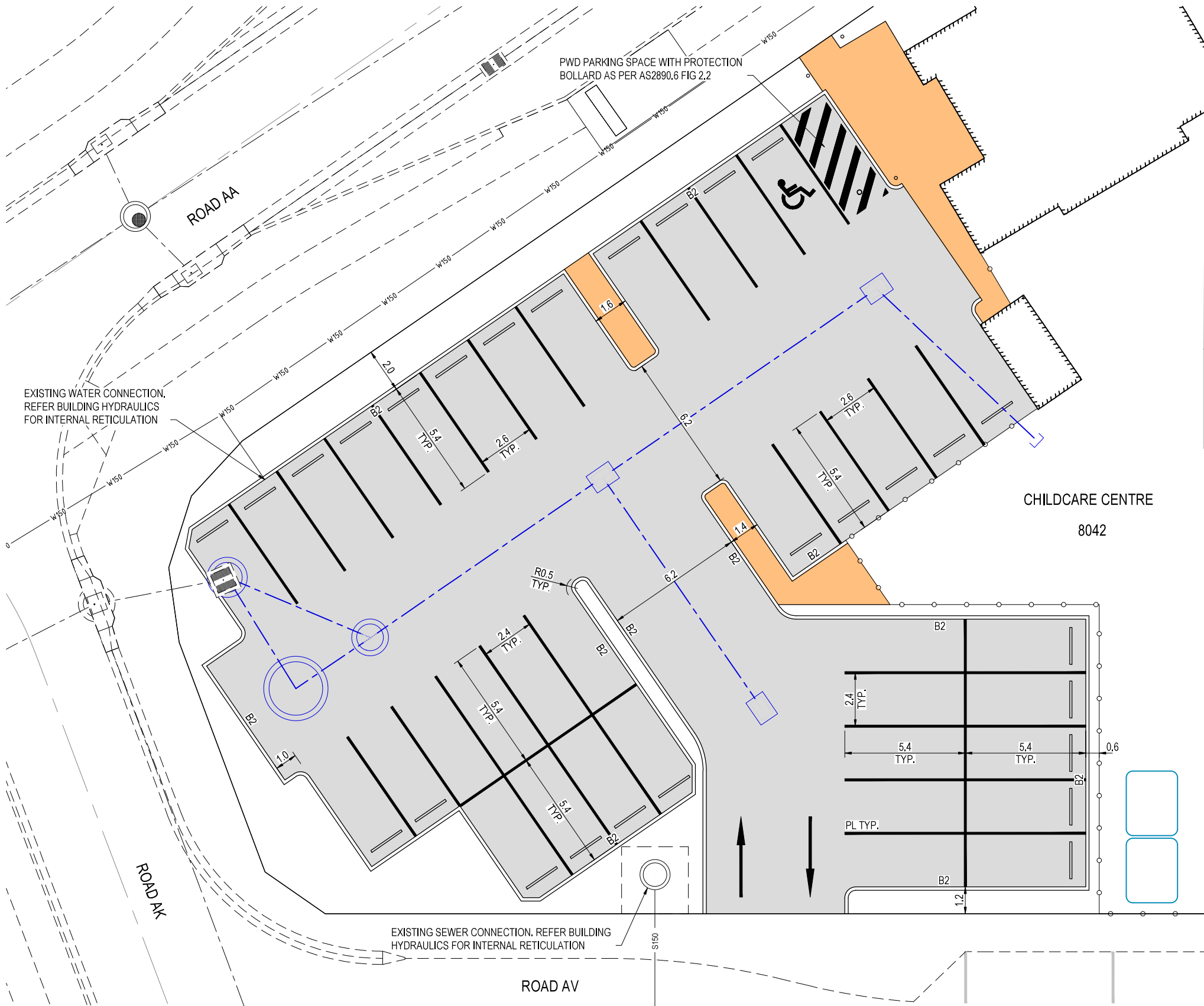


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Drawn A.E.	Date 12/10/2021	Client STOCKLAND DEVELOPMENT PTY LTD			
Checked N.W.	Date 12/10/2021	Project AURA PRECINCT 12 PROPOSED AURA CHILDCARE CENTRE		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES	
Designed A.E.	Date 12/10/2021			DATUM Orig. Date Scale Size AHD Oct-21 AS SHOWN A1	
Verified O.R.	Date 12/10/2021	Title GENERAL NOTES		Drawing Number Revision 204313-12-CDD-1003 2	
Approved					
C.C.	12/10/2021				

DATE PLOTTED: 11 May 2022 11:28 AM BY: AARON ELLARD

XREF's: 204313-12-CDD-ARRF-EXIST, 204313-12-CDD-ARRF-DSGN
CAD File: P:\204313\204313-12-CDD-ARRF-EXIST.dwg



TYPE	DESCRIPTION	ASSUMED CBR	DESIGN ESA	STREET CLASSIFICATION
P1	40mm A.C. SURFACING (AC10M WITH A15R BINDER) 7mm PRIMER SEAL 150mm COMPACTED BASE SUB-TYPE 2.1 (MIN. CBR80) 200mm COMPACTED SUB-BASE TYPE 2.3 (MIN. CBR45) PAVEMENT TO BE CONSTRUCTED IN ACCORDANCE WITH MRTS05, MRTS18 AND MRTS30 OR AS APPROVED BY THE SUPERINTENDENT	5% (SOAKED)	1.0 x 10 ⁵	CARPARK
C1	125mm CONCRETE SLAB (N25, SL72 MESH CENTRAL) 50mm SAND BEDDING, SAWCUT JOINTS AT 2m CRS. MAX., EXPANSION JOINTS AT 12m CRS. MAX. ADDITIONAL 1m WIDE STRIP OF PLASTIC SHEETING PLACED UNDER JOINT, REFER IPWEA STD DWG RS-065 FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR SURFACE FINISHES.	-	-	CONCRETE FOOTPATH (NON-TRAFFICABLE)

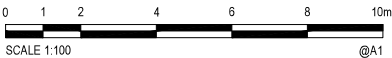
LEGEND:

	PAVEMENT TYPE P1
	PAVEMENT TYPE C1
	TOP OF EMBANKMENT
	BOTTOM OF EMBANKMENT
	FINISHED CONTOURS
	STORMWATER PIPES AND PITS
	RP BOUNDARY
	IPWEA TYPE KERB
	PROPOSED BUILDING/STRUCTURE
	PARK LINE

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING 24313-12-CDD-1003 GENERAL NOTES

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2021/1231
Date: 20 May 2022



Rev.	Date	Description	Des.	Verit.	Appd.
2	11/05/2022	LAYOUT AMENDED	A.E.	R.S.	C.C.
1	12/10/2021	ISSUE FOR APPROVAL	A.E.	R.S.	C.C.



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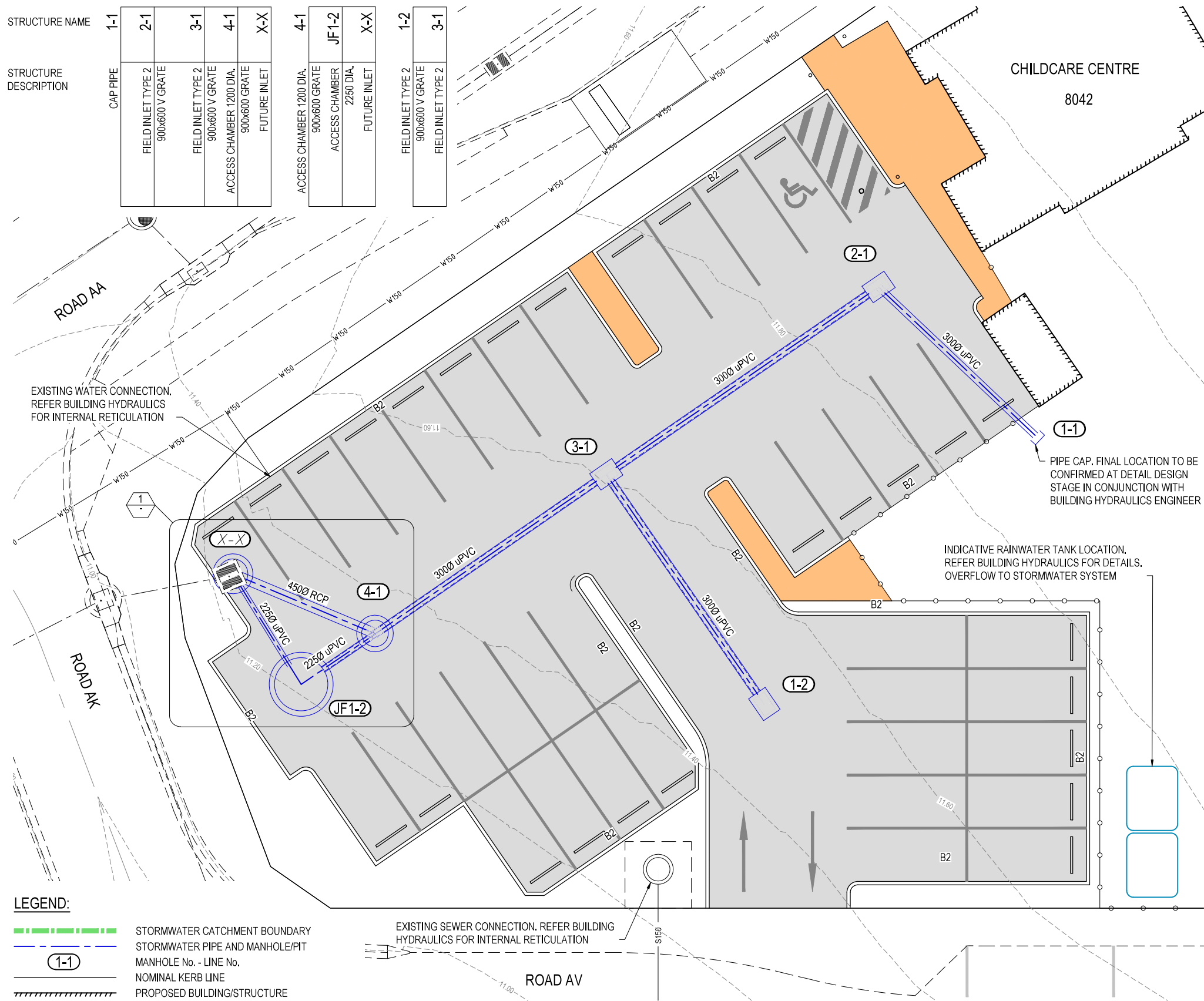
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Drawn	A.E.	Date	12/10/2021
Checked	N.W.	Date	12/10/2021
Designed	A.E.	Date	12/10/2021
Verified	O.R.	Date	12/10/2021
Approved	C.C.	Date	12/10/2021

Client	STOCKLAND DEVELOPMENT PTY LTD
Project	AURA PRECINCT 12 PROPOSED AURA CHILDCARE CENTRE
Title	GENERAL ARRANGEMENT PLAN

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
DATUM	AHD
Orig. Date	Oct-21
Scale	AS SHOWN
Size	A1
Drawing Number	204313-12-CDD-1010
Revision	2

STRUCTURE NAME	1-1	2-1	3-1	4-1	X-X	4-1	JF1-2	X-X	1-2	3-1
STRUCTURE DESCRIPTION	CAP PIPE	FIELD INLET TYPE 2 900x600 V GRATE	FIELD INLET TYPE 2 900x600 V GRATE	ACCESS CHAMBER 1200 DIA. 900x600 GRATE	FUTURE INLET 900x600 GRATE	ACCESS CHAMBER 1200 DIA. 900x600 GRATE	ACCESS CHAMBER 2250 DIA.	FUTURE INLET 900x600 GRATE	FIELD INLET TYPE 2 900x600 V GRATE	FIELD INLET TYPE 2 900x600 V GRATE



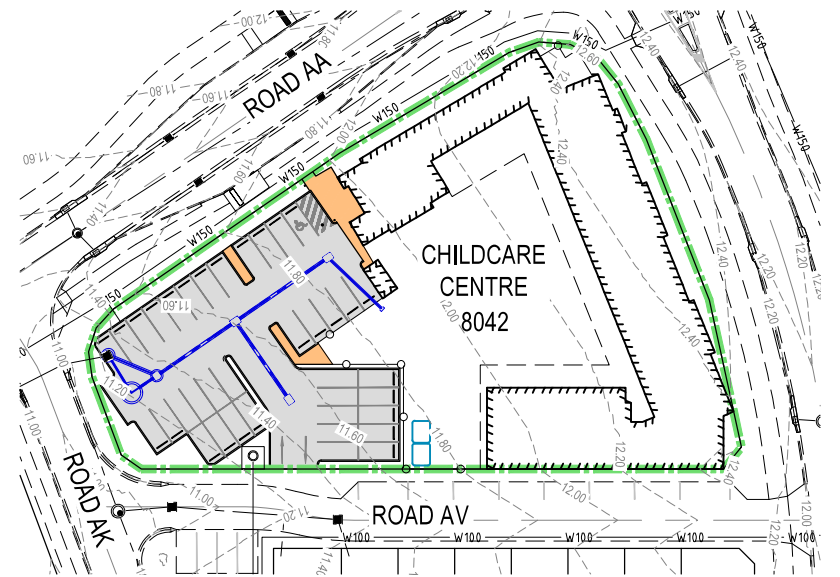
LEGEND:

- STORMWATER CATCHMENT BOUNDARY
- STORMWATER PIPE AND MANHOLE/PIT
- MANHOLE No. - LINE No.
- NOMINAL KERB LINE
- PROPOSED BUILDING/STRUCTURE
- AC PAVEMENT
- FOOTPATHS
- RP BOUNDARY
- CONTOURS PROVIDED BY CALIBRE
DRAWING X-20-000315.1033-CONTS

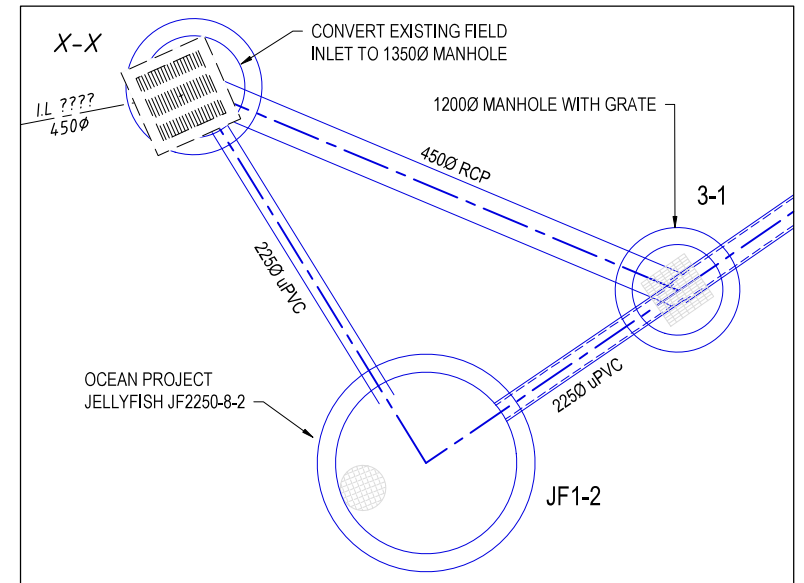
EXISTING SEWER CONNECTION. REFER BUILDING HYDRAULICS FOR INTERNAL RETICULATION

PLAN
SCALE A1 - 1 : 100
A3 - 1 : 200

NOTE:
DESIGN LEVELS NOT PROVIDED. LEVELS TO BE DETERMINED AT DETAIL DESIGN STAGE



CATCHMENT PLAN
SCALE A1 - 1 : 500
A3 - 1 : 1000



DETAIL
SCALE A1 - 1 : 50
A3 - 1 : 100

STORMWATER NOTES:

- ALL MANHOLE LIDS AND FIELD INLETS LOCATED WITHIN PARKS AND ROAD RESERVES TO HAVE HEAVY DUTY BOLT DOWN COVERS IN ACCORDANCE WITH IPWEA STANDARD DRAWINGS DS-019 AND DS-050 RESPECTIVELY.
- PIPES DENOTED (2) SHALL BE CLASS 2 R.C.P. R.R.J.
PIPES DENOTED (3) SHALL BE CLASS 3 R.C.P. R.R.J.
PIPES DENOTED (U) SHALL BE UPVC. S.W.
- FOR DETAILS OF KERB IN LINE ANTI PONDING GULLY PITS, REFER TO IPWEA STANDARD DRAWINGS DS-068.
- FOR DETAILS OF MANHOLE ACCESS CHAMBERS REFER TO IPWEA STANDARD DRAWINGS DS-010 TO DS-021.
- FOR DETAILS OF FIELD INLETS REFER TO IPWEA STANDARD DRAWING DS-050.
- FOR DETAILS OF ROOF WATER INSPECTION CHAMBERS REFER TO IPWEA STANDARD DRAWING DS-110.
- OCEAN PROJECT JELLYFISH AND ENVIROPOD BASKETS TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.

PLANS AND DOCUMENTS
referred to in the FDA
DEVELOPMENT APPROVAL
Approval no: DEV2021/1231
Date: 20 May 2022



0 1 2 4 6 8 10m
SCALE 1:100 @A1

Rev.	Date	Description	Des.	Verit.	Appd.
2	11/05/2022	LAYOUT AMENDED	A.E.	R.S.	C.C.
1	12/10/2021	ISSUE FOR APPROVAL	A.E.	R.S.	C.C.



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Drawn A.E.	Date 12/10/2021
Checked N.W.	Date 12/10/2021
Designed A.E.	Date 12/10/2021
Verified O.R.	Date 12/10/2021
Approved C.C.	Date 12/10/2021

Client STOCKLAND DEVELOPMENT PTY LTD	Project AURA PRECINCT 12 PROPOSED AURA CHILDCARE CENTRE
Title STORMWATER DRAINAGE PLAN	

Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES	DATUM AHD	Orig. Date Oct-21	Scale AS SHOWN	Size A1
Drawing Number 204313-12-CDD-1301	Revision 2			