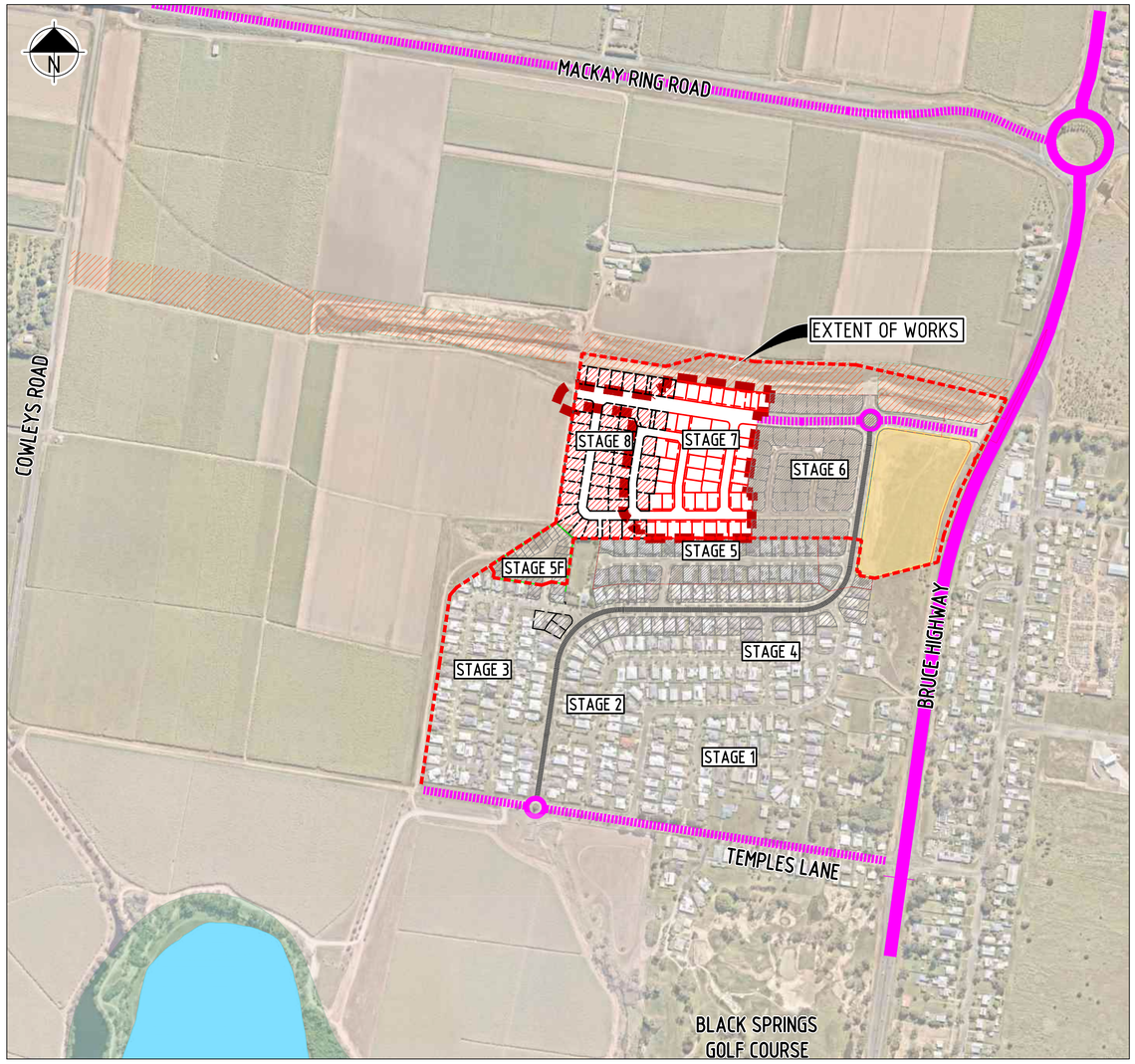
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK (LOT 599 ON SP323976)
PROPERTY DEVELOPMENT
CIVIL WORKS



LOCALITY MAP
SCALE 1:5000

DRAWING INDEX

DRAWING No.	DRAWING TITLE
2319-STG7-C001	COVER SHEET, LOCALITY MAP AND DRAWING INDEX
2319-STG7-C002	OVERALL CIVIL WORKS LAYOUT PLAN
2319-STG7-C003	EXISTING SITE FEATURES LAYOUT PLAN
2319-STG7-C011	DEVELOPMENT STAGING LAYOUT PLAN
2319-STG7-C021	GENERAL ARRANGEMENT LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C022	GENERAL ARRANGEMENT LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C031	EARTHWORKS LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C032	EARTHWORKS LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C041	COMBINED SERVICES LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C042	COMBINED SERVICES LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C051	ROADWORKS LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C052	ROADWORKS LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C061	ROADWORKS TYPICAL CROSS SECTIONS (SHEET 1 OF 2)
2319-STG7-C062	ROADWORKS TYPICAL CROSS SECTIONS (SHEET 2 OF 2)
2319-STG7-C071	PAVEMENT LAYOUT PLAN AND PAVEMENT DETAILS (SHEET 1 OF 2)
2319-STG7-C072	PAVEMENT LAYOUT PLAN AND PAVEMENT DETAILS (SHEET 2 OF 2)
2319-STG7-C081	INTERSECTION SETOUT DETAILS (SHEET 1 OF 2)
2319-STG7-C082	INTERSECTION SETOUT DETAILS (SHEET 2 OF 2)
2319-STG7-C091	DAISY CRESCENT INVERT CROSSINGS SETOUT DETAILS
2319-STG7-C101	PEPPERBERRY DRIVE & WATERS BLVD TEMPORARY TURN AROUND SETOUT DETAILS
2319-STG7-C102	DAISY CRESCENT TEMPORARY TURN AROUND SETOUT DETAILS
2319-STG7-C121	PEPPERBERRY DRIVE & WATERS BLVD LONGITUDINAL SECTIONS AND CONTROL LINE SETOUT DETAILS
2319-STG7-C122	TAYAHS WAY LONGITUDINAL SECTIONS AND CONTROL LINE SETOUT DETAILS
2319-STG7-C123	DAISY CRESCENT LONGITUDINAL SECTIONS AND CONTROL LINE SETOUT DETAILS
2319-STG7-C131	PEPPERBERRY DRIVE - CONTROL LINE CROSS SECTIONS (SHEET 1 OF 3)
2319-STG7-C132	PEPPERBERRY DRIVE - CONTROL LINE CROSS SECTIONS (SHEET 2 OF 3)
2319-STG7-C133	PEPPERBERRY DRIVE - CONTROL LINE CROSS SECTIONS (SHEET 3 OF 3)
2319-STG7-C141	WATERS BOULEVARD - CONTROL LINE CROSS SECTIONS (SHEET 1 OF 2)
2319-STG7-C142	WATERS BOULEVARD - CONTROL LINE CROSS SECTIONS (SHEET 2 OF 2)
2319-STG7-C151	TAYAHS WAY - CONTROL LINE CROSS SECTIONS (SHEET 1 OF 3)
2319-STG7-C152	TAYAHS WAY - CONTROL LINE CROSS SECTIONS (SHEET 2 OF 3)
2319-STG7-C153	TAYAHS WAY - CONTROL LINE CROSS SECTIONS (SHEET 3 OF 3)
2319-STG7-C161	DAISY CRESCENT - CONTROL LINE CROSS SECTIONS (SHEET 1 OF 3)
2319-STG7-C162	DAISY CRESCENT - CONTROL LINE CROSS SECTIONS (SHEET 2 OF 3)
2319-STG7-C163	DAISY CRESCENT - CONTROL LINE CROSS SECTIONS (SHEET 3 OF 3)

DRAWING INDEX

DRAWING No.	DRAWING TITLE
2319-STG7-C171	STORMWATER LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C172	STORMWATER LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C173	STORMWATER Q100 FLOODED WIDTH LAYOUT PLAN
2319-STG7-C174	STORMWATER BIO RETENTION BASIN LAYOUT PLAN AND DETAILS
2319-STG7-C181	STORMWATER STRUCTURE SETOUT DETAILS
2319-STG7-C211	STORMWATER LONGITUDINAL SECTIONS (SHEET 1 OF 3)
2319-STG7-C212	STORMWATER LONGITUDINAL SECTIONS (SHEET 2 OF 3)
2319-STG7-C213	STORMWATER LONGITUDINAL SECTIONS (SHEET 3 OF 3)
2319-STG7-C214	STORMWATER STRUCTURE DETAILS (SHEET 1 OF 3)
2319-STG7-C215	STORMWATER STRUCTURE DETAILS (SHEET 2 OF 3)
2319-STG7-C216	STORMWATER STRUCTURE DETAILS (SHEET 3 OF 3)
2319-STG7-C221	STORMWATER CATCHMENT LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C222	STORMWATER CATCHMENT LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C241	AEP 39% STORMWATER EVENT HYDROLOGY CALCULATIONS (SHEET 1 OF 3)
2319-STG7-C242	AEP 39% STORMWATER EVENT HYDROLOGY CALCULATIONS (SHEET 2 OF 3)
2319-STG7-C243	AEP 39% STORMWATER EVENT HYDROLOGY CALCULATIONS (SHEET 3 OF 3)
2319-STG7-C251	SEWER RETICULATION LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C252	SEWER RETICULATION LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C261	SEWER RETICULATION LONGITUDINAL SECTIONS (SHEET 1 OF 2)
2319-STG7-C262	SEWER RETICULATION LONGITUDINAL SECTIONS (SHEET 2 OF 2)
2319-STG7-C263	SEWER RETICULATION PIT SCHEDULES
2319-STG7-C271	WATER RETICULATION LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C272	WATER RETICULATION LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C273	HYDRANT COVERAGE AREA LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C274	HYDRANT COVERAGE AREA LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C281	STREET TREE LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C282	STREET TREE LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C292	EROSION AND SEDIMENT CONTROL LAYOUT PLAN (SHEET 1 OF 2)
2319-STG7-C293	EROSION AND SEDIMENT CONTROL LAYOUT PLAN (SHEET 2 OF 2)
2319-STG7-C301	SIGNAGE AND LINEMARKING LAYOUT PLAN AND SETOUT (SHEET 1 OF 2)
2319-STG7-C302	SIGNAGE AND LINEMARKING LAYOUT PLAN AND SETOUT (SHEET 2 OF 2)
2319-STG7-C311	TURNING MOVEMENTS LAYOUT PLANS
2319-STG7-C321	TEMPORARY WATER QUALITY OPEN DRAIN LAYOUT AND DETAILS

DRAWING APPROVAL

BEING DULY AUTHORISED IN THIS BEHALF, DO CERTIFY THAT THE EARTHWORKS, ROADWORKS, STORMWATER DRAINAGE, SEWER RETICULATION, WATER RETICULATION AND ASSOCIATED WORKS FOR THE ABOVE DEVELOPMENT, HAVE BEEN DESIGNED IN ACCORDANCE WITH COUNCIL'S ENGINEERING GUIDELINES AND CONDITIONS OF APPROVAL FOR THE DEVELOPMENT. BY THE SIGNING OF THIS STATEMENT I HAVE DEEMED TO CERTIFY ALL DRAWINGS IN THIS CONTRACT AS LISTED ON THE DRAWING INDEX AS BEING IN ACCORDANCE WITH THE ABOVE.

SIGNED: RPEQ No: 7189 DATE: **20.01.25**

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:5000 0 50 100 150 200m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL: RPEQ SIGNATURE 7198 RPEQ No DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

COVER SHEET, LOCALITY MAP AND DRAWING INDEX

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C001 REV: 2

CAD FILENAME: C:\12dS\data\DykmanS\YNX2319 - The Waters Ooralea_23RA02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C001.dwg Plot Date: 25 Jun, 2025

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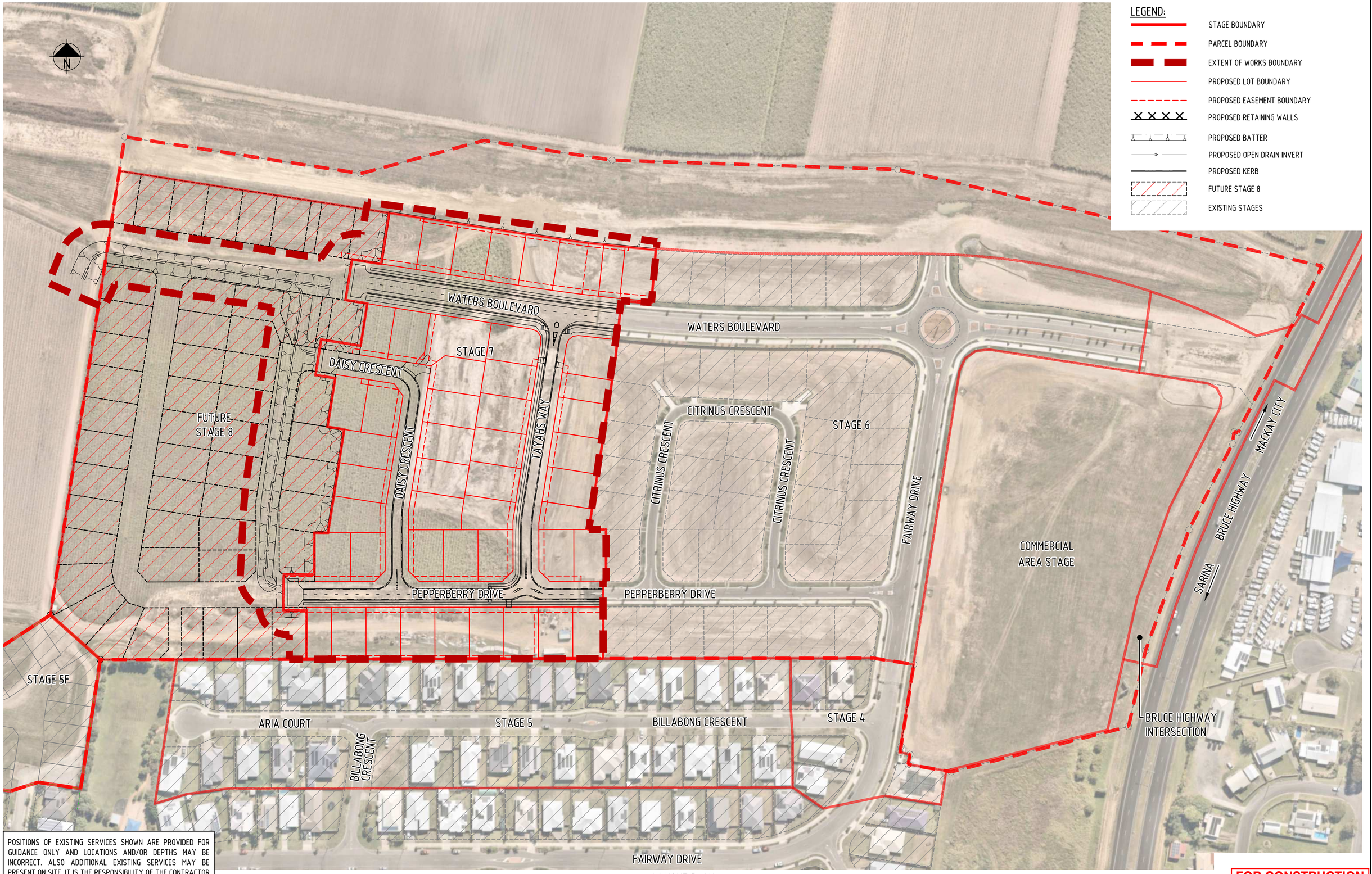


POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LAYOUT PLAN
SCALE 1:1000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:1000 — 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — 7198 RPEQ No — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

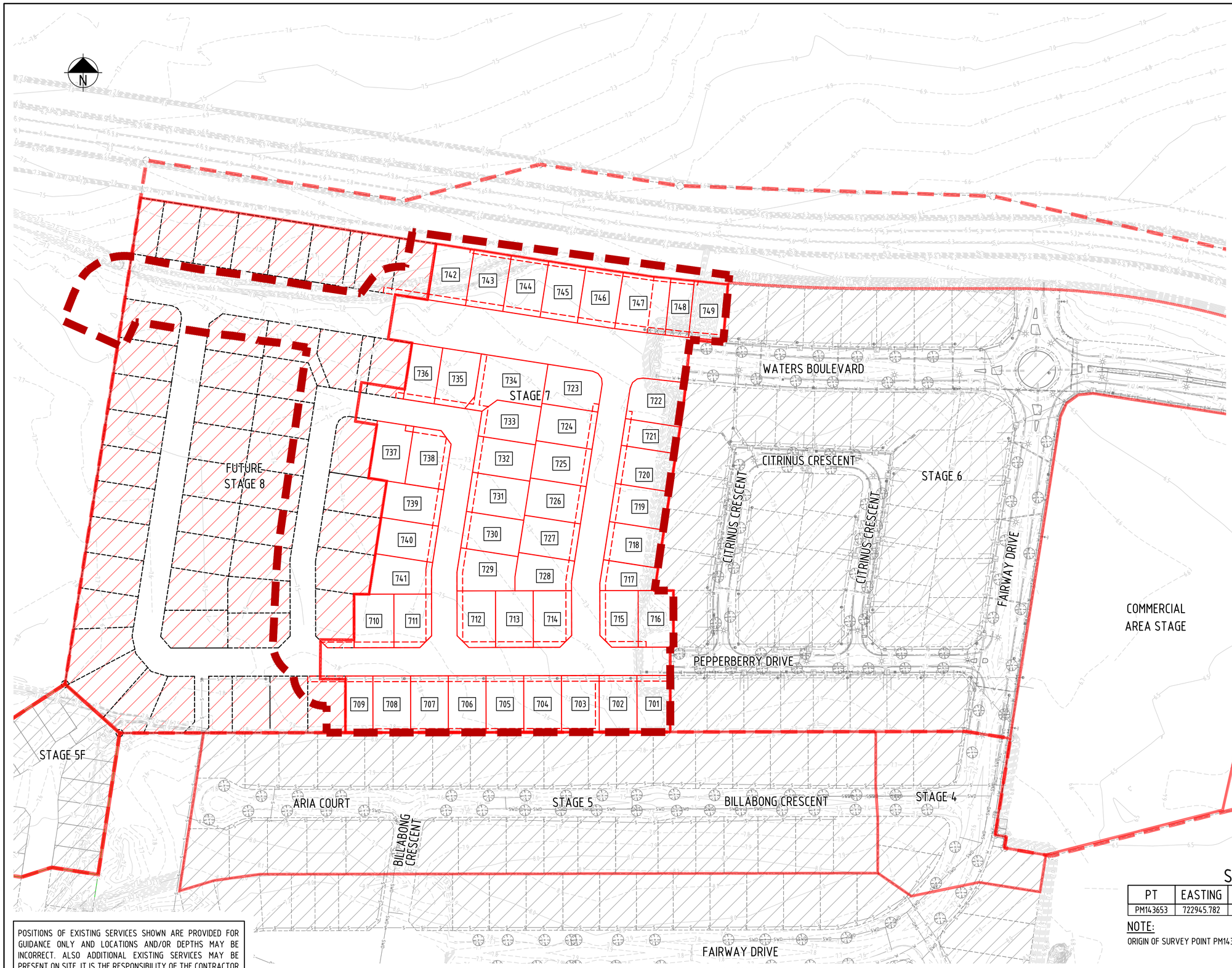
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

OVERALL CIVIL WORKS
LAYOUT PLAN

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C002 — REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_23R\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C002.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_OVERALL_CIVIL_WORKS_PLAN_MASTER.dwg ; X_2319_DC_STG 7_OVERALL_CIVIL_WORKS_NOTES_LEGEND.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_1000.dwg ; X_2319_DC_STG 7_OVERALL_CIVIL_WORKS_ANNO_1000.dwg ; X_AERIAL_NEARMAP.dwg ; X_2319_DC_STG 7_LOTS_EXIST_4_&_5.dwg ; X_2319_DC_STG 7_PARCEL_BOUNDARY.dwg ; X



LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- EXISTING STAGES
- FUTURE STAGE 8

LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES

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SURVEY CONTROL POINTS

PT	EASTING	NORTHING	HEIGHT	COMMENT
PM143653	722945.782	7653404.497	5.842	

NOTE:
ORIGIN OF SURVEY POINT PM143653 LOCATED IN SURVEY CONTROL POINT TABLE.

LAYOUT PLAN
SCALE 1:1000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
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1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:1000 — 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — 7198 RPEQ No — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

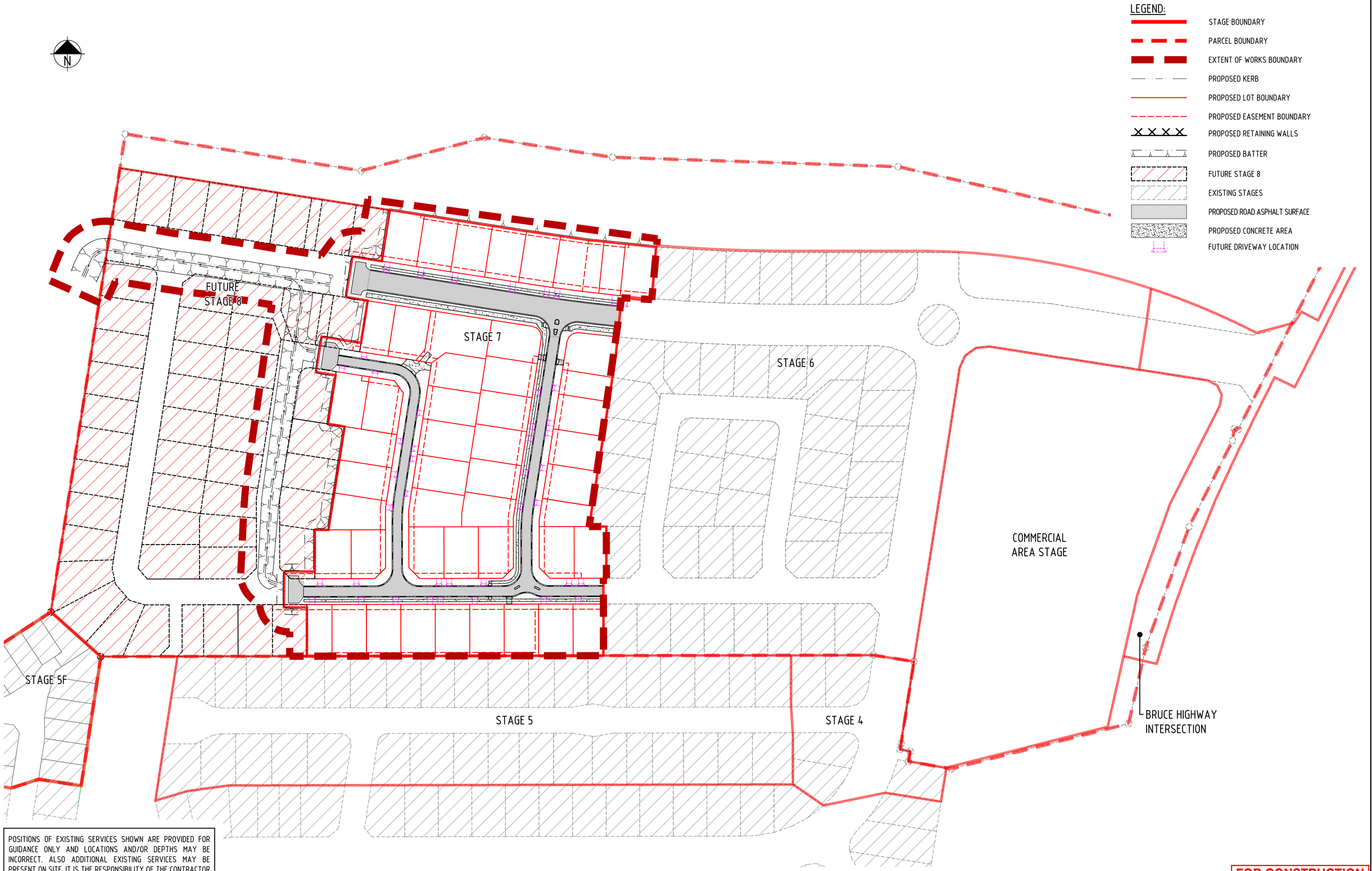
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

EXISTING SITE FEATURES
LAYOUT PLAN

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C003
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C003.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_EXISTING_SITE_FEATURES_MASTER.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_EXISTING_SITE_FEATURES_ROAD_NAMES_ANNO_1000.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_EXISTING_SITE_FEATURES_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_STAGES_03_04_05_REF_Design_Stormwater_Services_GDA2020.dwg ; X_2319_DC_STG 7_STAGES_03_04_05_REF_Design_Sewer_Services_GDA2020.dwg ; X_2319_DC_STG 7_DEVELOPMENT_



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LAYOUT PLAN
SCALE 1:1000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:1000 — 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

OORALEA WATERS STAGE 7 AT OORALEA, BAKERS CREEK PROPERTY DEVELOPMENT

DEVELOPMENT STAGING LAYOUT PLAN

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C011 — REV: 2

CAD FILENAME: C:\TQAS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C011.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_LEGEND.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_1000.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_ANNO_1000.dwg ; X_2319_DC_STG

LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING CONTOURS
- EXISTING LOT BOUNDARY
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA

LEGEND:

PROPOSED SERVICES

- PROPOSED OVERHEAD ELECTRICAL LINE
- PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- PROPOSED GRAVITY SEWER & MANHOLE
- PROPOSED RISING SEWER MAIN
- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER HEADWALL
- PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- PROPOSED POTABLE WATER END CAP
- PROPOSED POTABLE WATER METER

LEGEND:

PROPOSED SERVICES

- PROPOSED POTABLE WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER SERVICE
- PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- PROPOSED TELECOMMUNICATION CABLE & PIT

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY

LEGEND:

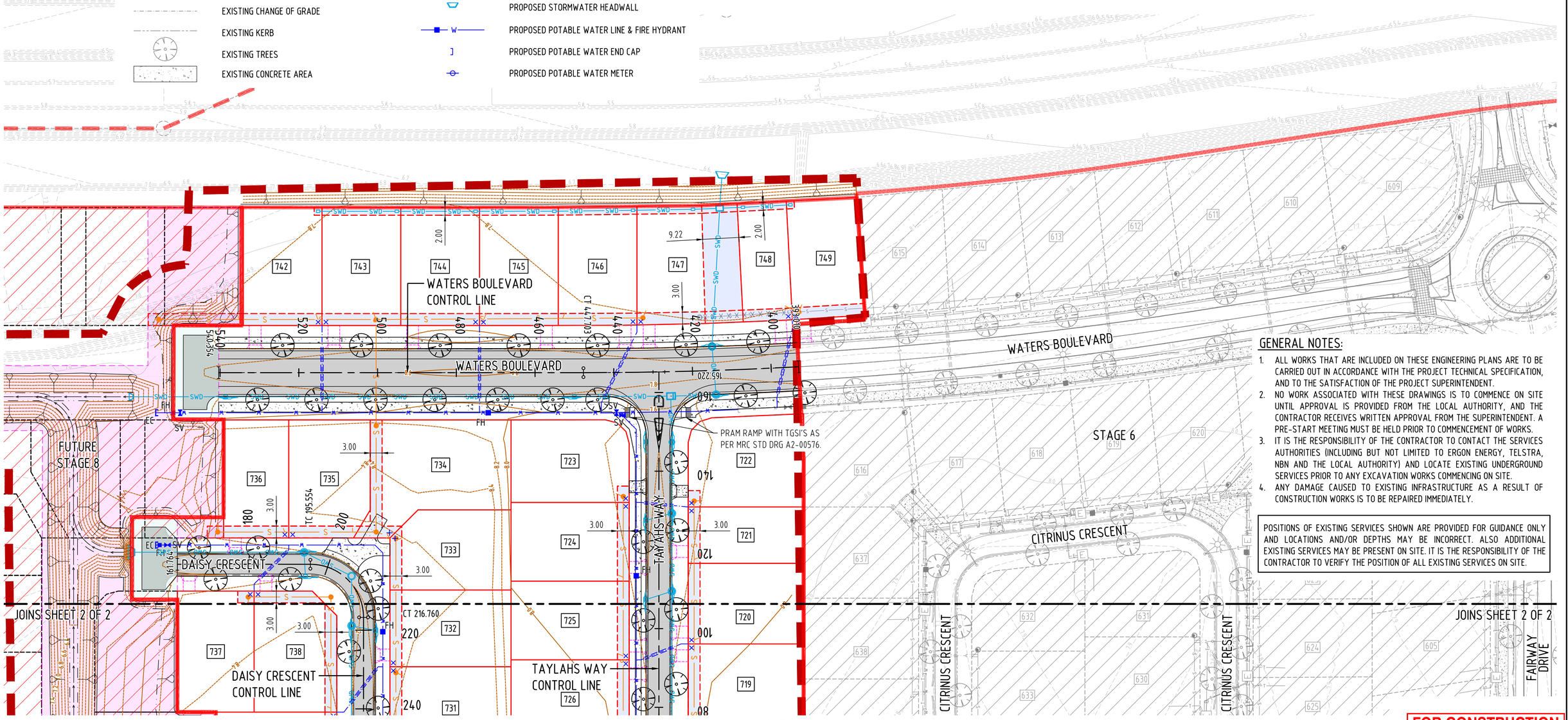
GENERAL

- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB

LEGEND:

GENERAL

- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY LOCATION
- PROPOSED DRIVEWAY



LAYOUT PLAN
SCALE 1:500

GENERAL NOTES:

1. ALL WORKS THAT ARE INCLUDED ON THESE ENGINEERING PLANS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATION, AND TO THE SATISFACTION OF THE PROJECT SUPERINTENDENT.
2. NO WORK ASSOCIATED WITH THESE DRAWINGS IS TO COMMENCE ON SITE UNTIL APPROVAL IS PROVIDED FROM THE LOCAL AUTHORITY, AND THE CONTRACTOR RECEIVES WRITTEN APPROVAL FROM THE SUPERINTENDENT. A PRE-START MEETING MUST BE HELD PRIOR TO COMMENCEMENT OF WORKS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE SERVICES AUTHORITIES (INCLUDING BUT NOT LIMITED TO ERGON ENERGY, TELSTRA, NBN AND THE LOCAL AUTHORITY) AND LOCATE EXISTING UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION WORKS COMMENCING ON SITE.
4. ANY DAMAGE CAUSED TO EXISTING INFRASTRUCTURE AS A RESULT OF CONSTRUCTION WORKS IS TO BE REPAIRED IMMEDIATELY.

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
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1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

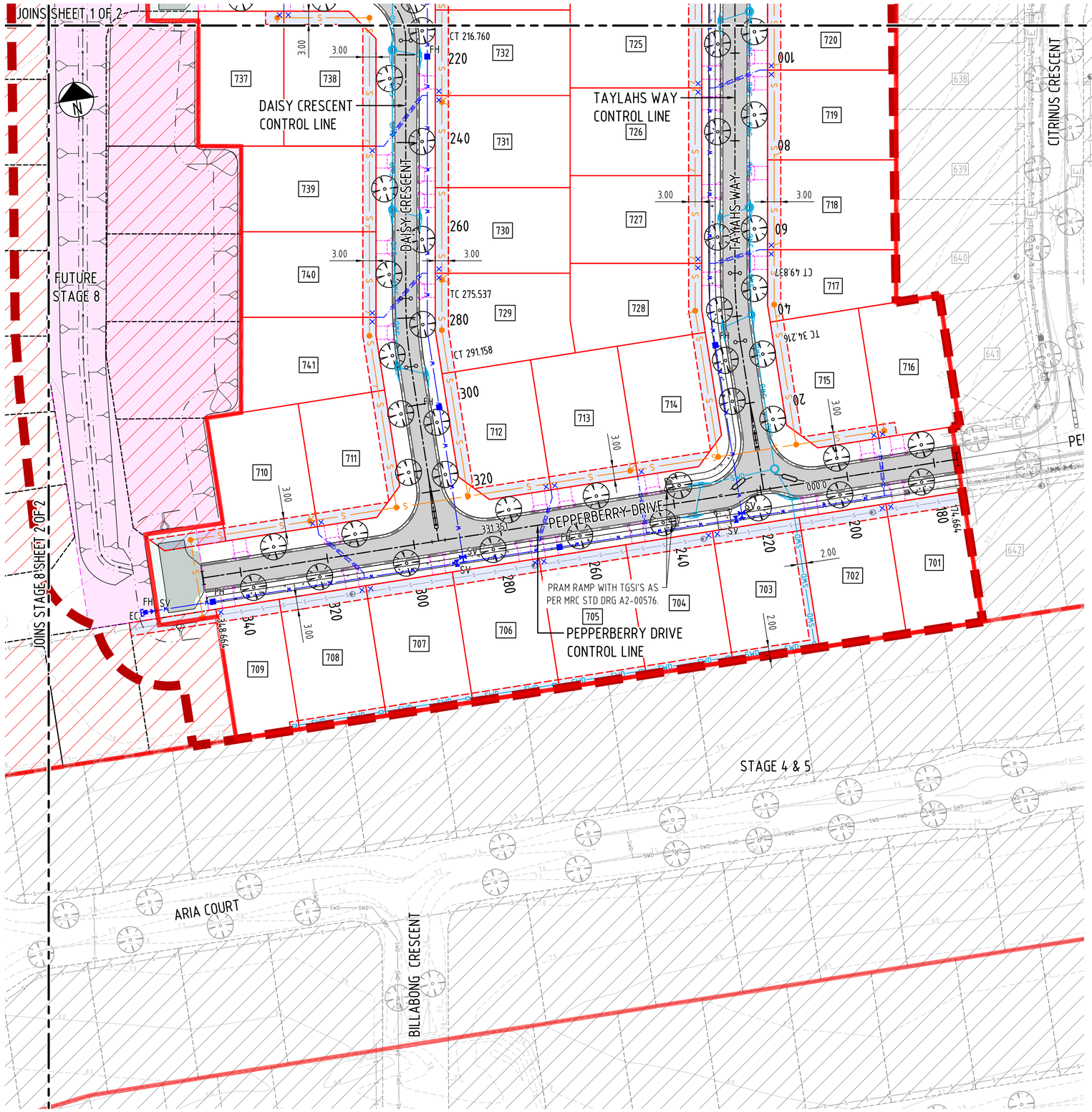
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

GENERAL ARRANGEMENT
LAYOUT PLAN
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C021
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7\Active\DRG\2319-STG7-C021.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_GENERAL_ARRANGEMENT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1B_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_3_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_4_500.dwg ; X_2319_DC_STG 7_SEWER_RETICU



LAYOUT PLAN
SCALE 1:500

LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING CONTOURS
- EXISTING LOT BOUNDARY
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA

LEGEND:

PROPOSED SERVICES

- PROPOSED OVERHEAD ELECTRICAL LINE
- PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- PROPOSED GRAVITY SEWER & MANHOLE
- PROPOSED RISING SEWER MAIN
- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- PROPOSED POTABLE WATER END CAP
- PROPOSED POTABLE WATER METER
- PROPOSED POTABLE WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER SERVICE
- PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- PROPOSED TELECOMMUNICATION CABLE & PIT

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY LOCATION

GENERAL NOTES:

1. ALL WORKS THAT ARE INCLUDED ON THESE ENGINEERING PLANS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATION, AND TO THE SATISFACTION OF THE PROJECT SUPERINTENDENT.
2. NO WORK ASSOCIATED WITH THESE DRAWINGS IS TO COMMENCE ON SITE UNTIL APPROVAL IS PROVIDED FROM THE LOCAL AUTHORITY, AND THE CONTRACTOR RECEIVES WRITTEN APPROVAL FROM THE SUPERINTENDENT. A PRE-START MEETING MUST BE HELD PRIOR TO COMMENCEMENT OF WORKS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE SERVICES AUTHORITIES (INCLUDING BUT NOT LIMITED TO ERGON ENERGY, TELSTRA, NBN AND THE LOCAL AUTHORITY) AND LOCATE EXISTING UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION WORKS COMMENCING ON SITE.
4. ANY DAMAGE CAUSED TO EXISTING INFRASTRUCTURE AS A RESULT OF CONSTRUCTION WORKS IS TO BE REPAIRED IMMEDIATELY.

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

GENERAL ARRANGEMENT
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C022
REV: 2

CAD FILENAME: C:\12dS\data\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C022.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_GENERAL_ARRANGEMENT_NOTES_LEGEND_SHEET 2.dwg ; X_2319_DC_STG 7_GENERAL_ARRANGEMENT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1B_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_3_500.dwg ; X_2319_DC_S

EARTHWORKS VOLUME

DESCRIPTION	VOLUME (m^3)
CUT	-5323
FILL	37639
BALANCE	32316

EARTHWORKS NOTES

1. DESIGN LEVELS SHOWN ARE TO TOP OF FINISHED SURFACE LEVEL.
2. AREAS TO BE DISTURBED ARE TO BE STRIPPED OF TOPSOIL TO A DEPTH OF 100MM (OR AS DIRECTED BY THE SUPERINTENDENT). TOPSOIL IS TO BE STOCKPILED ON SITE AND RE-SPREAD AFTER EARTHWORKS ARE COMPLETED.
3. EARTHWORKS COMPACTION AND TESTING TO BE IN ACCORDANCE WITH THE REQUIREMENTS AS DETAILED IN THE TECHNICAL SPECIFICATION.
4. ALL EARTHWORKS SHALL BE CARRIED OUT UNDER LEVEL 1 AS SPECIFIED IN AS3798 "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS".
5. BALANCE LAND TO BE PROFILED SO IT IS FREE-DRAINING TOWARDS SCHOOL GULLY.

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LEGEND:

EXISTING FEATURES

- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING CONCRETE AREA

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED EARTHWORKS PAD
- PROPOSED OPEN DRAIN INVERT

LEGEND:

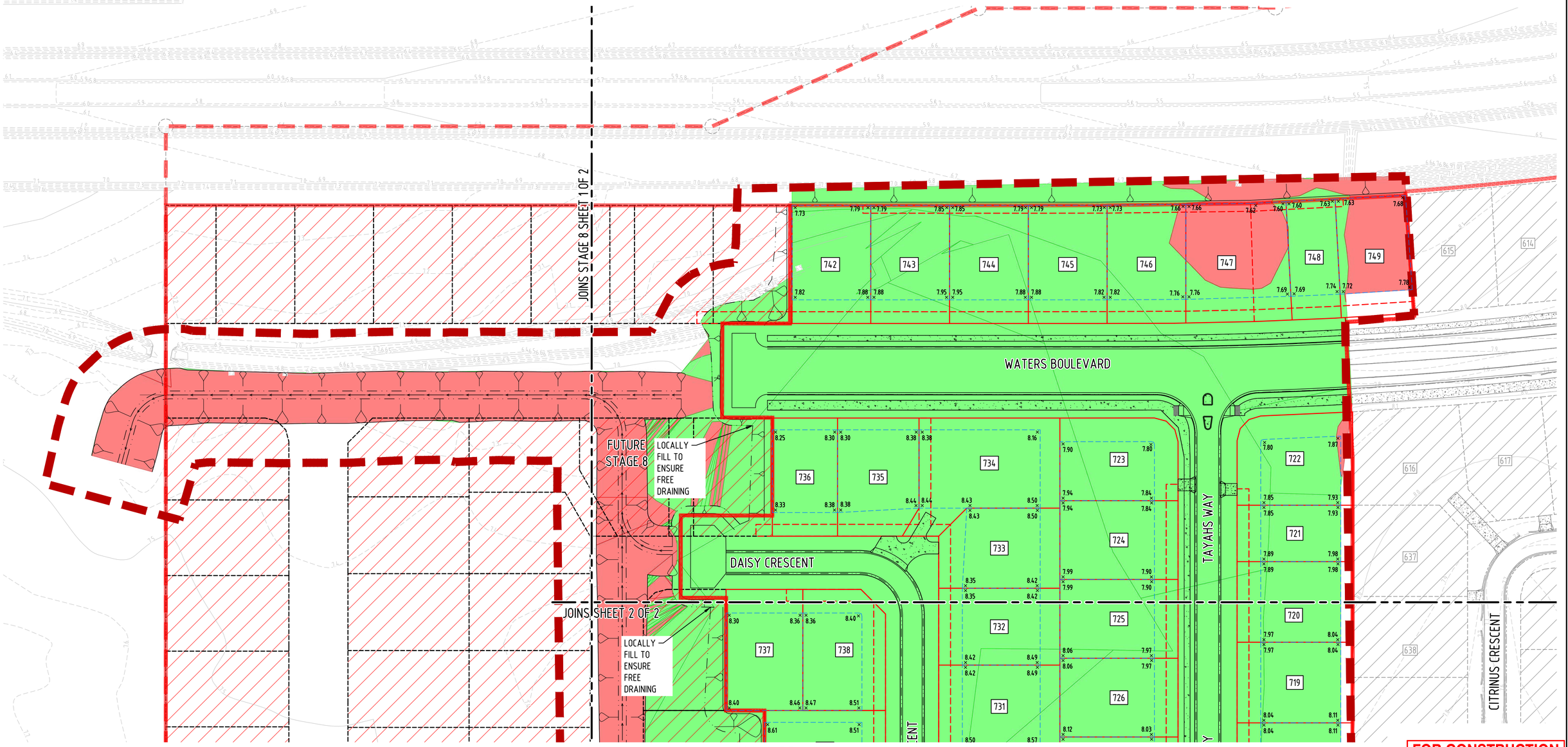
GENERAL

- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE

LEGEND:

GENERAL

- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED CUT
- PROPOSED FILL
- ×7.782 PROPOSED LOT LEVEL



LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

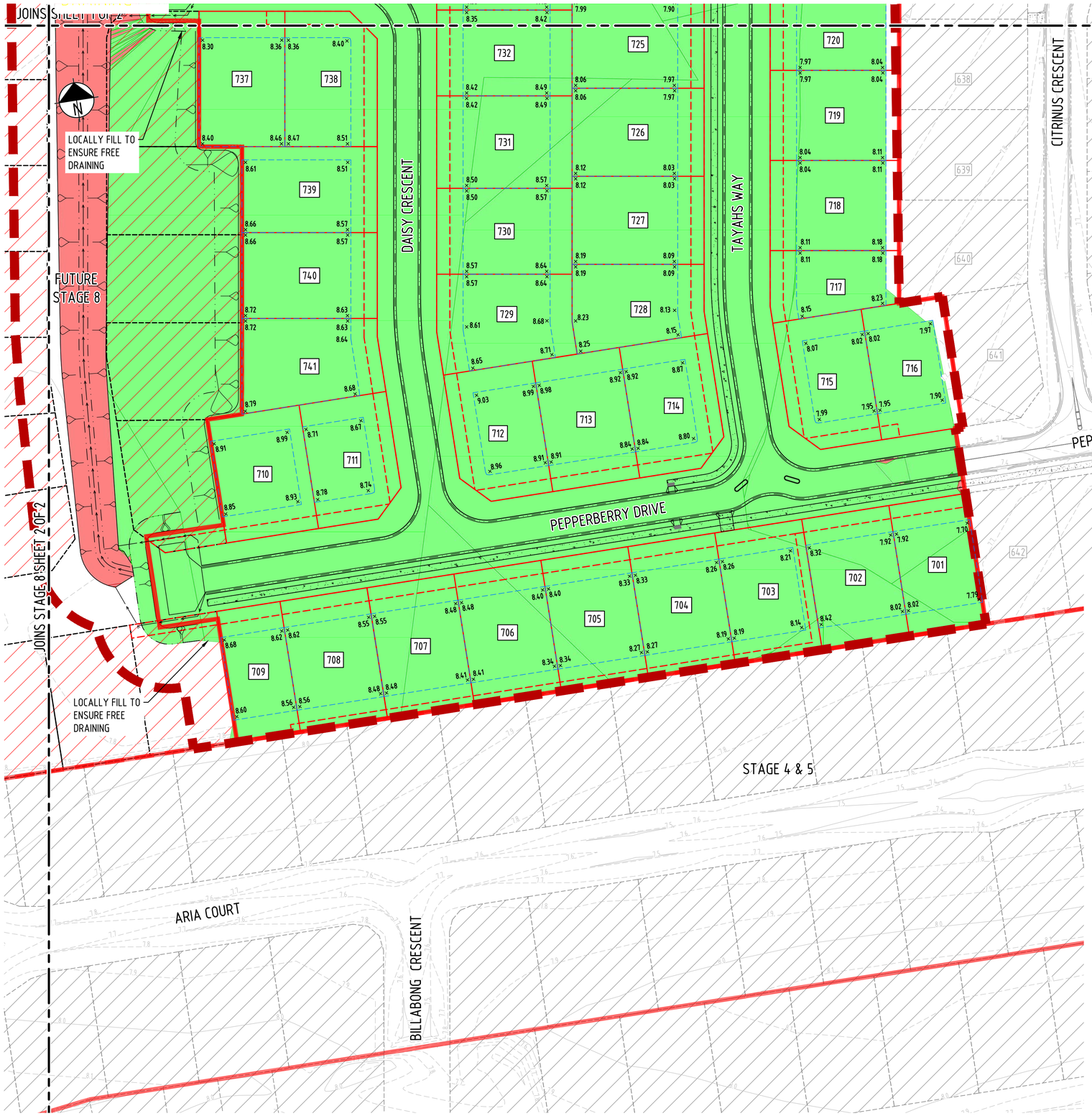
OORALEA WATERS STAGE 7 AT OORALEA, BAKERS CREEK PROPERTY DEVELOPMENT

EARTHWORKS LAYOUT PLAN (SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C031
REV: 2

CAD FILENAME: C:\12DS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C031.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_EARTHWORKS_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_EARTHWORKS_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_2319_DC_STG 7_DESIGN_LOT_LEVELS.dwg ; X



LAYOUT PLAN

SCALE 1:500

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED EARTHWORKS PAD
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED CUT
- PROPOSED FILL
- ×7.782 PROPOSED LOT LEVEL

LEGEND:

EXISTING FEATURES

- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING CONCRETE AREA

EARTHWORKS NOTES

1. DESIGN LEVELS SHOWN ARE TO TOP OF FINISHED SURFACE LEVEL.
2. AREAS TO BE DISTURBED ARE TO BE STRIPPED OF TOPSOIL TO A DEPTH OF 100MM (OR AS DIRECTED BY THE SUPERINTENDENT). TOPSOIL IS TO BE STOCKPILED ON SITE AND RE-SPREAD AFTER EARTHWORKS ARE COMPLETED.
3. EARTHWORKS COMPACTION AND TESTING TO BE IN ACCORDANCE WITH THE REQUIREMENTS AS DETAILED IN THE TECHNICAL SPECIFICATION.
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EARTHWORKS VOLUME

DESCRIPTION	VOLUME (m^3)
CUT	-5323
FILL	37639
BALANCE	32316

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE: 7198 RPEQ No — DATE: 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

EARTHWORKS
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C032 REV: 2

CAD FILENAME: C:\12d5\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C032.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_EARTHWORKS_LEGEND_SHEET 2.dwg ; X_2319_DC_STG 7_EARTHWORKS_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING LOT BOUNDARY
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA

LEGEND:

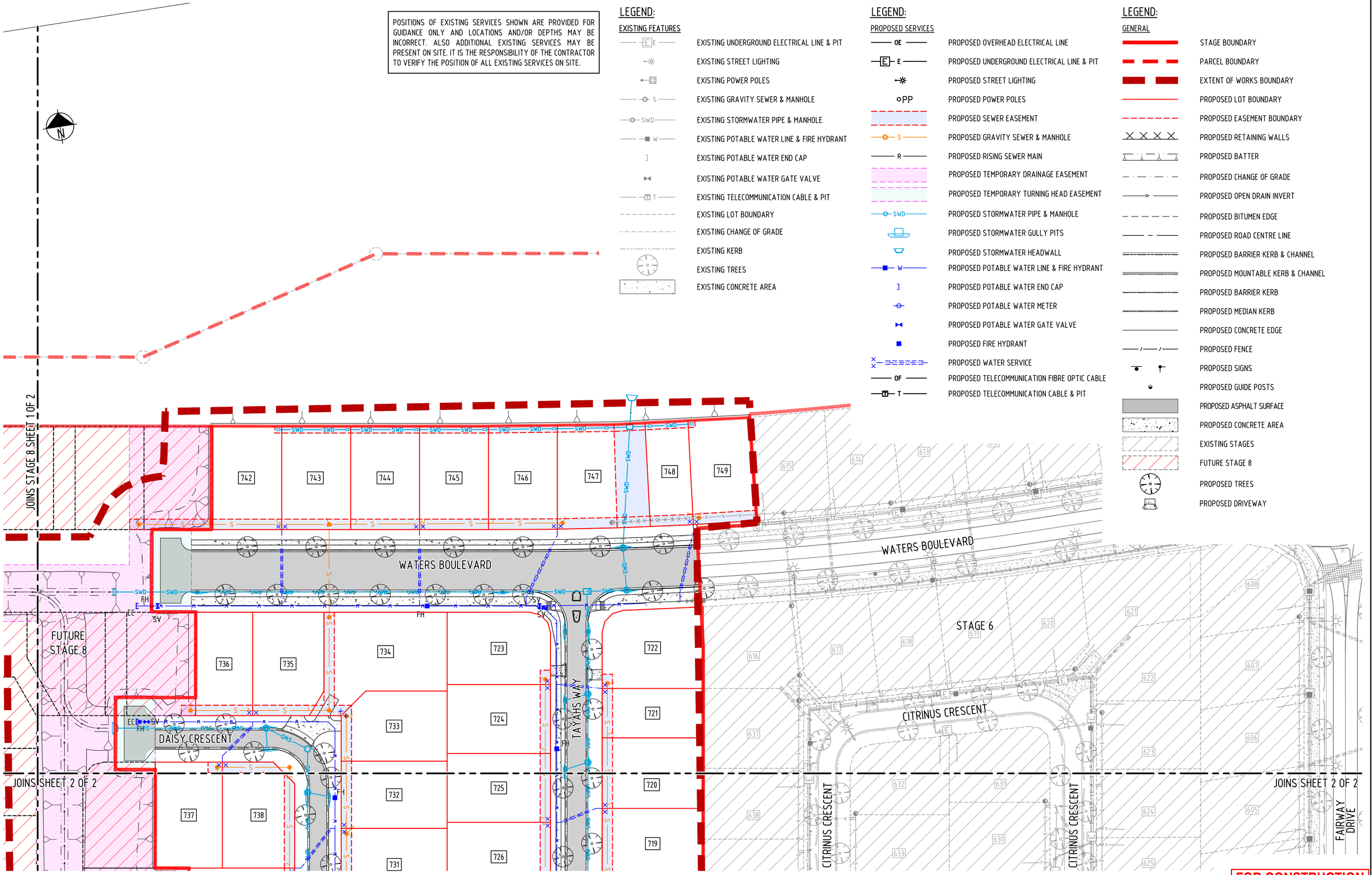
PROPOSED SERVICES

- PROPOSED OVERHEAD ELECTRICAL LINE
- PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED GRAVITY SEWER & MANHOLE
- PROPOSED RISING SEWER MAIN
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER HEADWALL
- PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- PROPOSED POTABLE WATER END CAP
- PROPOSED POTABLE WATER METER
- PROPOSED POTABLE WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER SERVICE
- PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- PROPOSED TELECOMMUNICATION CABLE & PIT

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY



LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
3	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
2	ISSUE FOR CONSTRUCTION	30.01.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — RAI GLOBAL

APPROVAL — RPEQ SIGNATURE — 7198 RPEQ No — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

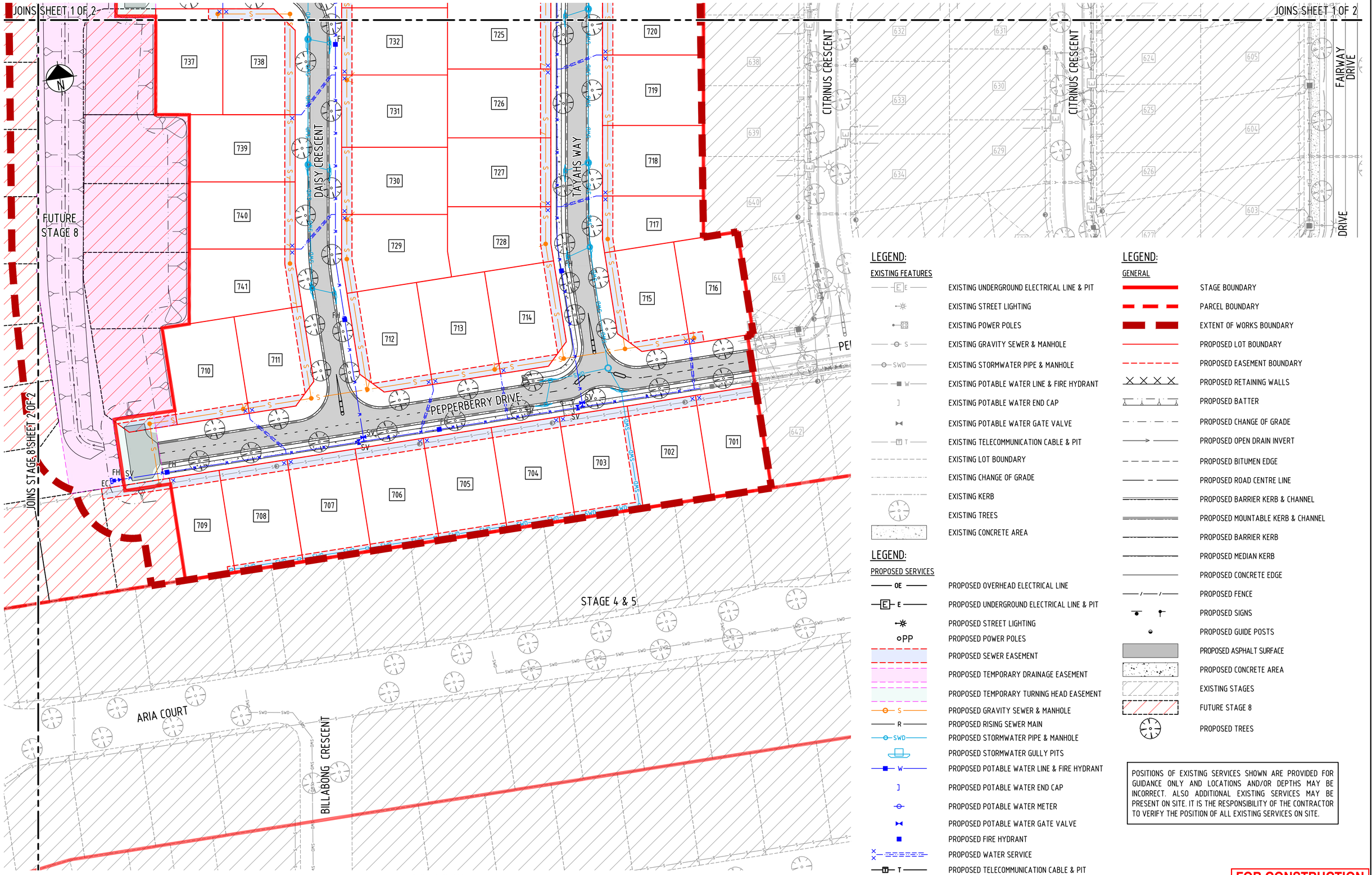
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

COMBINED SERVICES
LAYOUT PLAN
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C041
REV: 3

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C041.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_COMBINED_SERVICES_LAYOUT_NOTES_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_COMBINED_SERVICES_LAYOUT_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_WATER_RETICULATIO



LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING LOT BOUNDARY
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA

LEGEND:

PROPOSED SERVICES

- PROPOSED OVERHEAD ELECTRICAL LINE
- PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- PROPOSED GRAVITY SEWER & MANHOLE
- PROPOSED RISING SEWER MAIN
- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- PROPOSED POTABLE WATER END CAP
- PROPOSED POTABLE WATER METER
- PROPOSED POTABLE WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER SERVICE
- PROPOSED TELECOMMUNICATION CABLE & PIT

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LAYOUT PLAN

SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
3	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
2	ISSUE FOR CONSTRUCTION	30.01.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

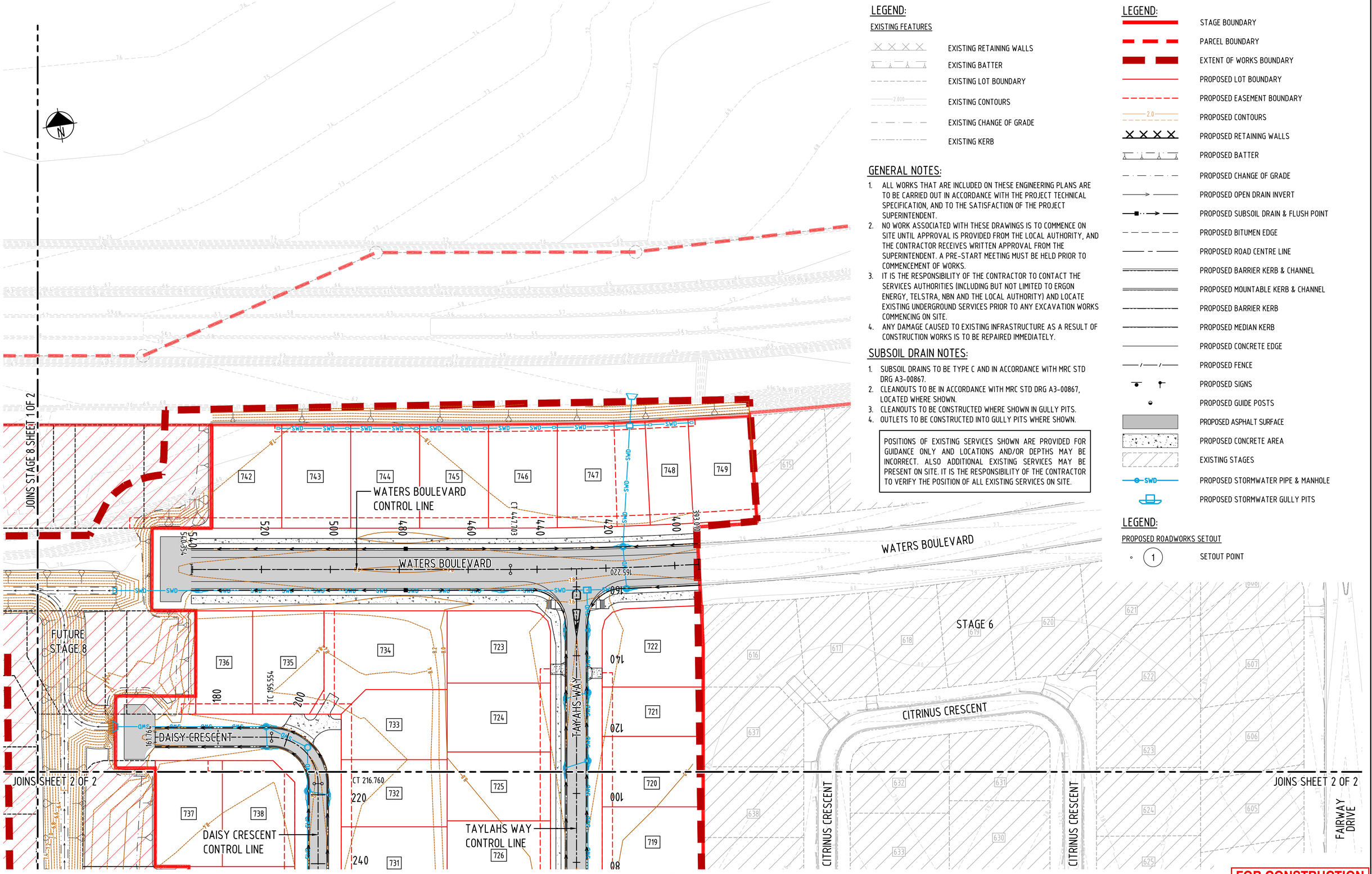
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

COMBINED SERVICES
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C042
REV: 3

CAD FILENAME: C:\12dS\data\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C042.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_COMBINED_SERVICES_LAYOUT_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_09&4-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_WATER_RETICULATION.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION.dwg ; X_2319_DC_STG 7_DESIGN



LAYOUT PLAN
SCALE 1:500

LEGEND:

EXISTING FEATURES

- EXISTING RETAINING WALLS
- EXISTING BATTER
- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB

GENERAL NOTES:

1. ALL WORKS THAT ARE INCLUDED ON THESE ENGINEERING PLANS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATION, AND TO THE SATISFACTION OF THE PROJECT SUPERINTENDENT.
2. NO WORK ASSOCIATED WITH THESE DRAWINGS IS TO COMMENCE ON SITE UNTIL APPROVAL IS PROVIDED FROM THE LOCAL AUTHORITY, AND THE CONTRACTOR RECEIVES WRITTEN APPROVAL FROM THE SUPERINTENDENT. A PRE-START MEETING MUST BE HELD PRIOR TO COMMENCEMENT OF WORKS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE SERVICES AUTHORITIES (INCLUDING BUT NOT LIMITED TO ERGON ENERGY, TELSTRA, NBN AND THE LOCAL AUTHORITY) AND LOCATE EXISTING UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION WORKS COMMENCING ON SITE.
4. ANY DAMAGE CAUSED TO EXISTING INFRASTRUCTURE AS A RESULT OF CONSTRUCTION WORKS IS TO BE REPAIRED IMMEDIATELY.

SUBSOIL DRAIN NOTES:

1. SUBSOIL DRAINS TO BE TYPE C AND IN ACCORDANCE WITH MRC STD DRG A3-00867.
2. CLEANOUTS TO BE IN ACCORDANCE WITH MRC STD DRG A3-00867, LOCATED WHERE SHOWN.
3. CLEANOUTS TO BE CONSTRUCTED WHERE SHOWN IN GULLY PITS.
4. OUTLETS TO BE CONSTRUCTED INTO GULLY PITS WHERE SHOWN.

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED SUBSOIL DRAIN & FLUSH POINT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS

LEGEND:

PROPOSED ROADWORKS SETOUT

- (1) SETOUT POINT

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

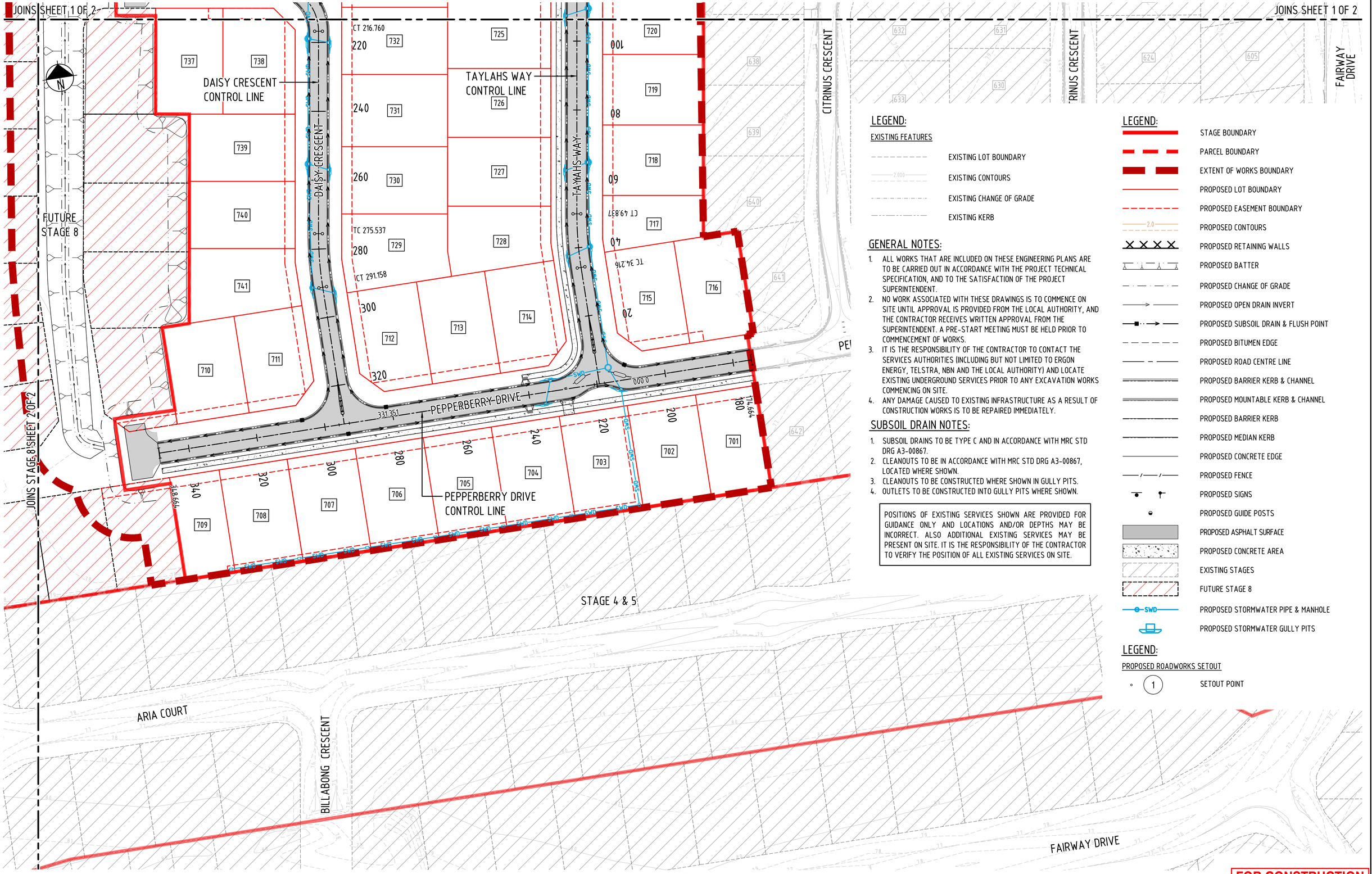
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

ROADWORKS
LAYOUT PLAN
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C051
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_2381\02 DES\022 DC Des\CAD - Stage 7\Active\DRG\2319-STG7-C051.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_ROADWORKS_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1B_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1_500.dwg ; X_2319_DC_STG 7_CONT



LEGEND:

EXISTING FEATURES

- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB

GENERAL NOTES:

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LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED SUBSOIL DRAIN & FLUSH POINT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS

LEGEND:

PROPOSED ROADWORKS SETOUT

- SETOUT POINT

LAYOUT PLAN

SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

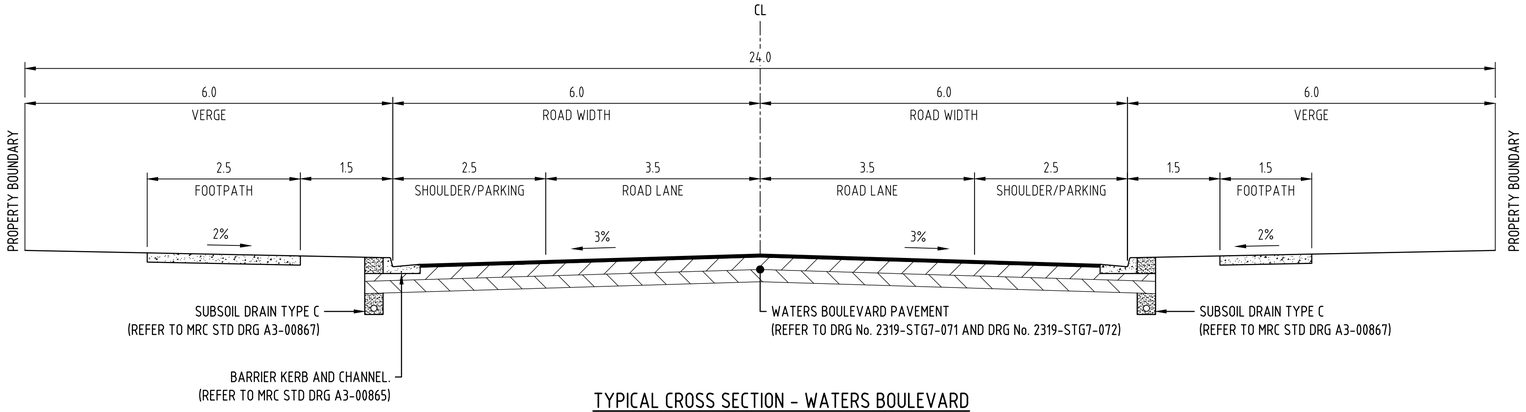
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

ROADWORKS
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C052
REV: 2

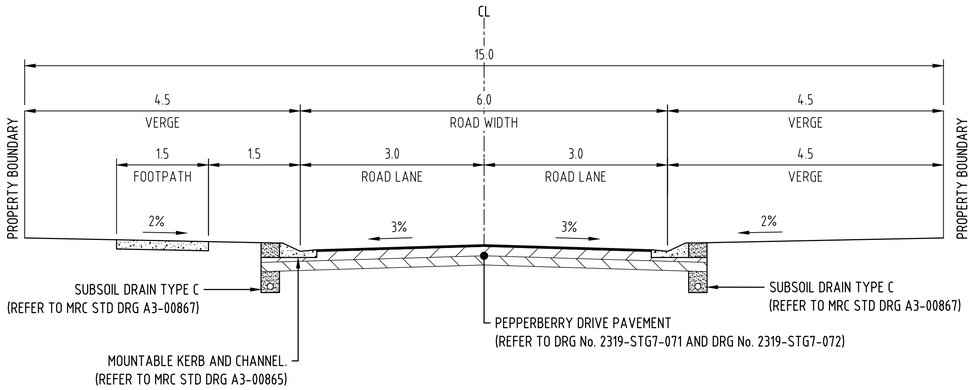
CAD FILENAME: C:\TEMP\acad\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C052.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_ROADWORKS_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1B_500.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1_500.dwg ; X_2319_DC_STG 7_CONTI



TYPICAL CROSS SECTION - WATERS BOULEVARD

(CH. 393.010 TO CH. 540.354)
SCALE 1:50



TYPICAL CROSS SECTION - PEPPERBERRY DRIVE

(CH. 174.664 TO CH. 348.664)
SCALE 1:50

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:50 — 0 1 2m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — 7198 RPEQ No — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

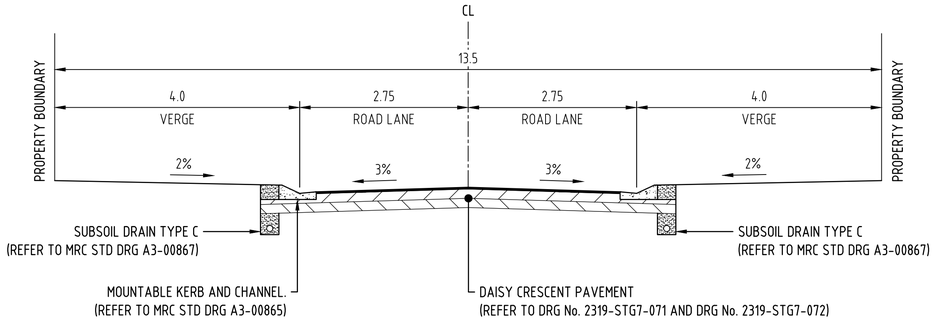
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

ROADWORKS
TYPICAL CROSS SECTIONS
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C061
REV: 1

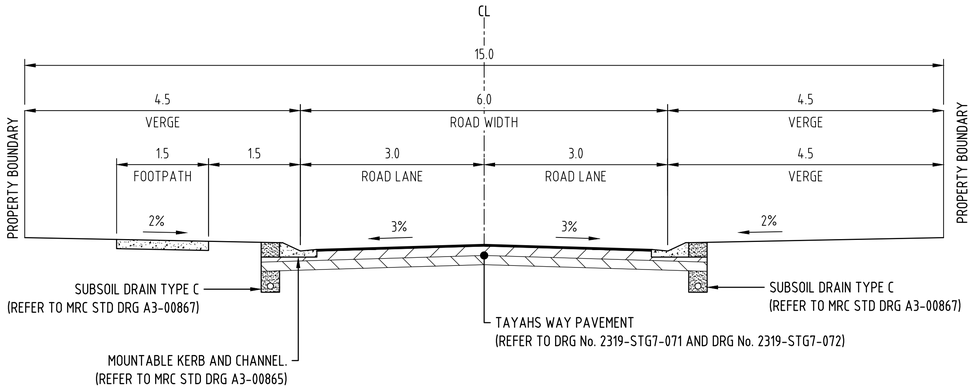
CAD FILENAME: C:\12dSdata\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C061.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_TYPICAL_CROSS_SECTIONS.dwg



TYPICAL CROSS SECTION - DAISY CRESCENT

(CH. 331.351 TO CH. 161.764)
SCALE 1:50



TYPICAL CROSS SECTION - TAYAHS WAY

(CH. 0.000 TO CH. 165.220)
SCALE 1:50

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:50 — 0 1 2m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — 7198 RPEQ No — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

ROADWORKS
TYPICAL CROSS SECTIONS
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C062
REV: 1

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C062.dwg Plot Date: 25 Jun, 2025

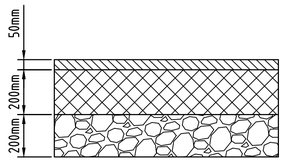
XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_TYPICAL_CROSS_SECTIONS.dwg

PAVEMENT DETAILS TYPE 'B'

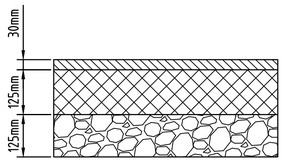
PAVEMENT SURFACING:
50mm AC10M
7mm PRIMER SEAL - AMC5 @ 0.8L/m²
7mm COVER AGG. @ 1m³/170m²
PAVEMENT:
200mm BASE COURSE (TYPE 2.2)
200mm SUBBASE LAYER COURSE (TYPE 2.4)

PAVEMENT DETAILS TYPE 'D'

PAVEMENT SURFACING:
30mm AC7M
7mm PRIMER SEAL - AMC5 @ 0.8L/m²
7mm COVER AGG. @ 1m³/170m²
PAVEMENT:
125mm BASE COURSE (TYPE 2.2)
125mm SUBBASE LAYER COURSE (TYPE 2.4)



TYPE 'B' PAVEMENT
NOT TO SCALE



TYPE 'D' PAVEMENT
NOT TO SCALE

PROPOSED PAVEMENT DETAILS TYPE 'E'

WATERS BOULEVARD, DAISY CRESCENT & PEPPERBERRY DRIVE TEMPORARY TEE TURNAROUND
PAVEMENT SURFACING: (2 COAT BITUMEN SEAL)
2nd SEAL:
CL170 BINDER (1.2L/m²)
10mm COVER AGG. (1.0m2/120m²)
PRIMER SEAL:
MC5 BINDER (1.5L/m²)
14mm COVER AGG. (1.0m³/110m²)
PAVEMENT:
200mm BASE COURSE (TYPE 2.2)

LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING CONCRETE AREA

LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED DRIVEWAY

LEGEND:

PROPOSED PAVEMENT

- PAVEMENT DETAIL TYPE B
- PAVEMENT DETAIL TYPE D
- PAVEMENT DETAIL TYPE E

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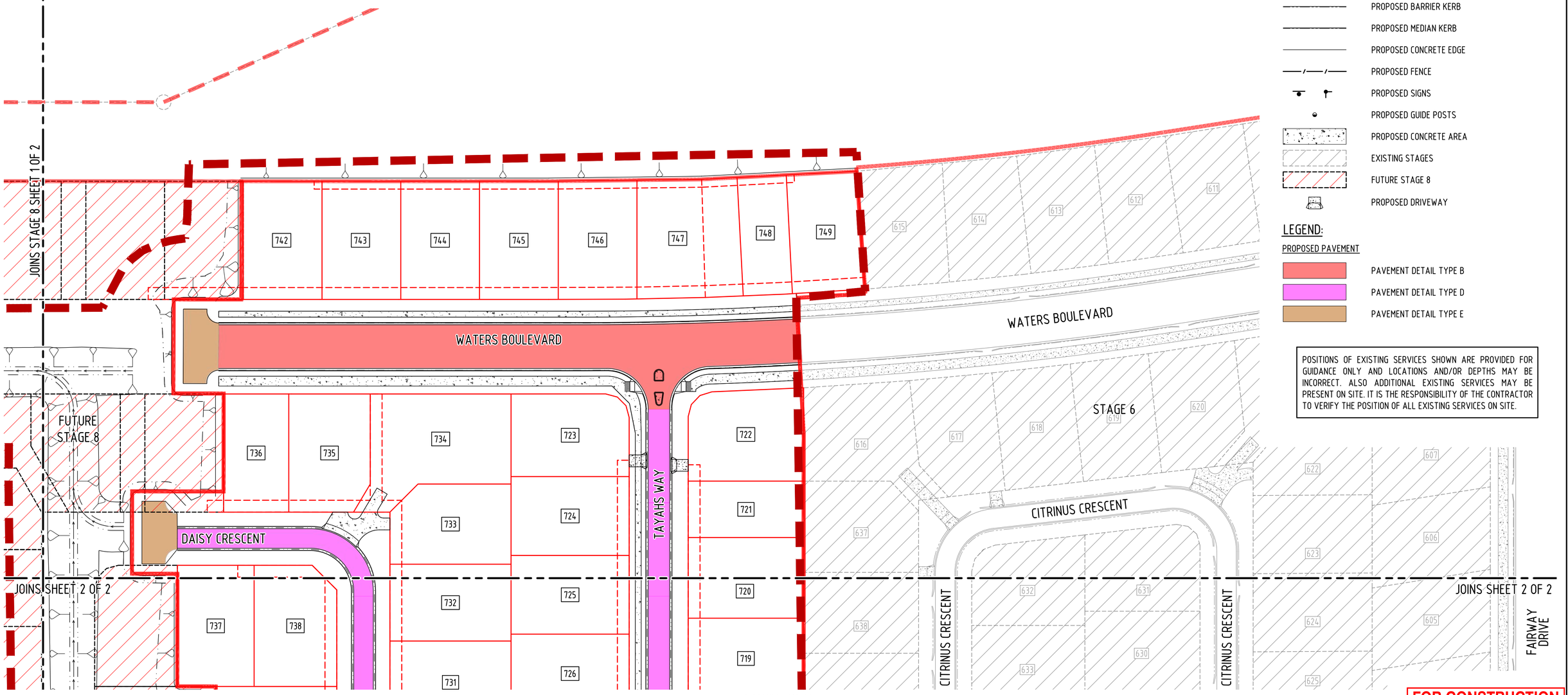

LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
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A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

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Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	S.D.	M.D.

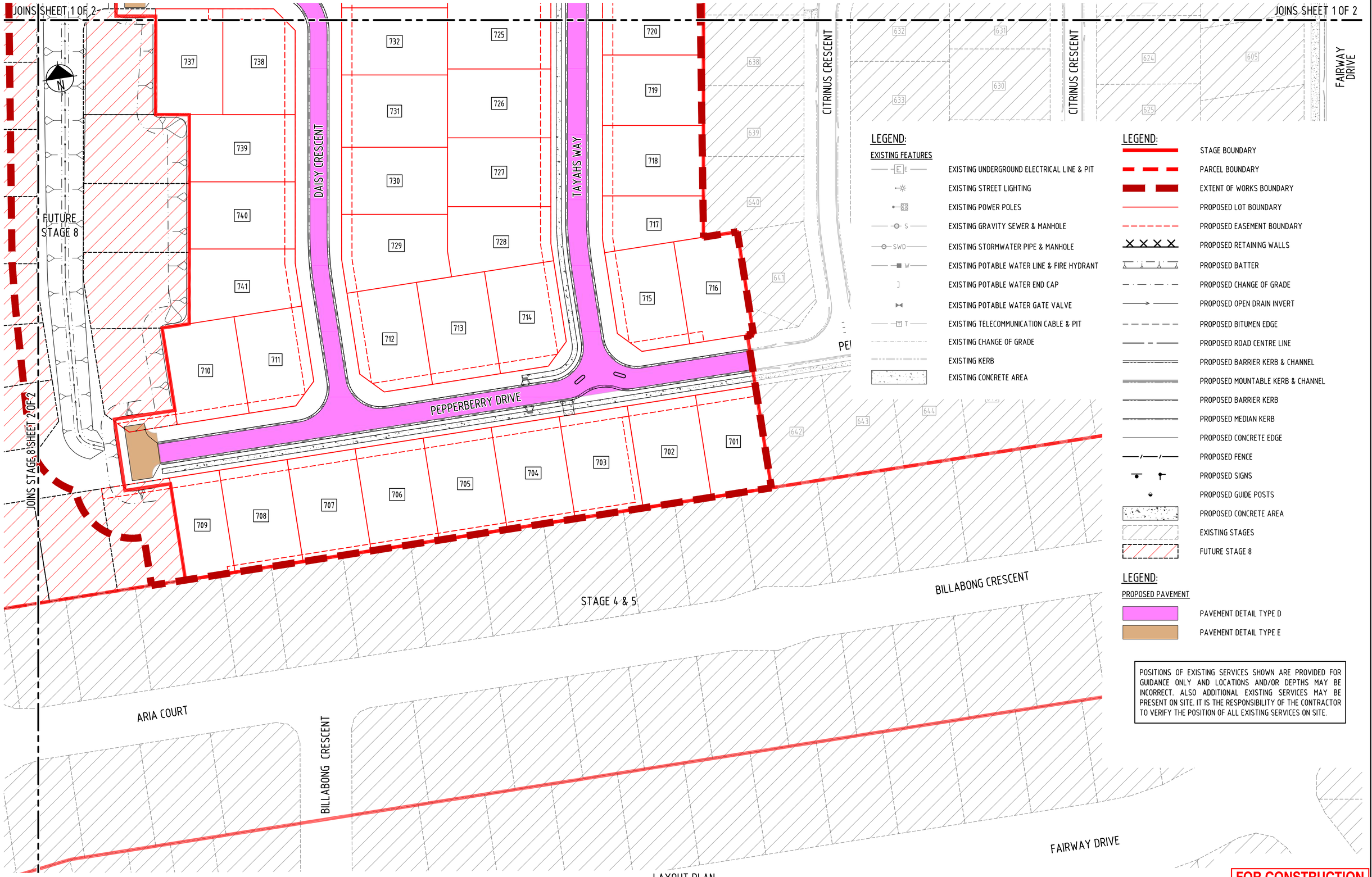
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

PAVEMENT LAYOUT PLAN
AND PAVEMENT DETAILS
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C071
REV: 2

CAD FILENAME: C:\12d5\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C071.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_PAVEMENT_DETAILS_NOTES_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_PAVEMENT_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH.dwg ; X_2319_DC_STG 7_PAVEMENT_DETAILS_SHEET 1.dwg ; X_2319_DC_STG 7_DESIGN_ROAD_NAMES_ANNO_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2



LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

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SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

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Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	S.D.	M.D.

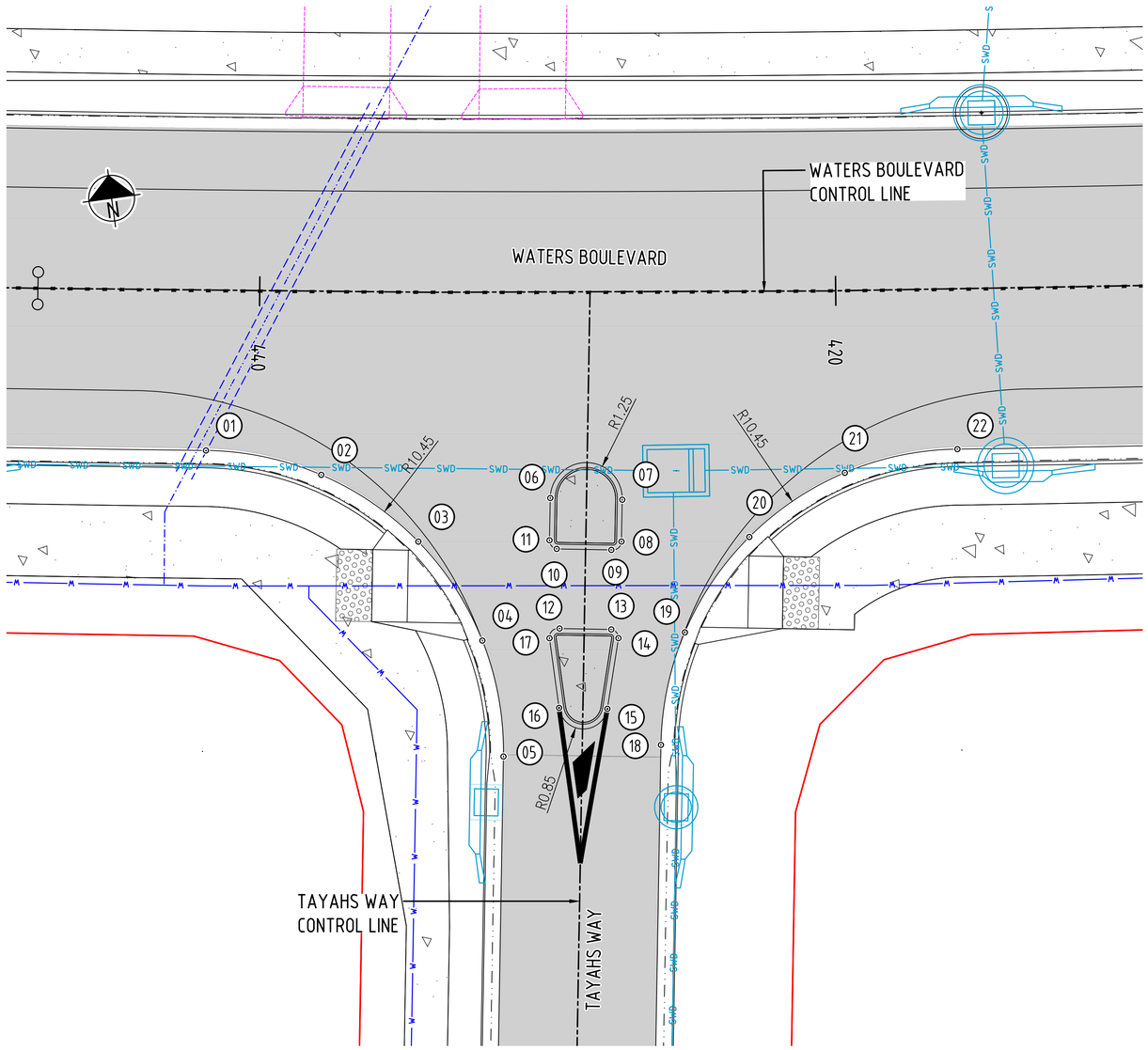
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

PAVEMENT LAYOUT PLAN
AND PAVEMENT DETAILS
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C072
REV: 2

CAD FILENAME: C:\12dSVata\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7\Active\DRG\2319-STG7-C072.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_PAVEMENT_DETAILS_SHEET 2.dwg ; X_2319_DC_STG 7_PAVEMENT_DETAILS_NOTES_LEGEND_SHEET 2.dwg ; X_2319_DC_STG 7_PAVEMENT_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_DESIGN_ROAD_NAMES_ANNO_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2



INTERSECTION SETOUT
SCALE 1:100

GENERAL NOTES:

1. ALL WORKS THAT ARE INCLUDED ON THESE ENGINEERING PLANS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATION, AND TO THE SATISFACTION OF THE PROJECT SUPERINTENDENT.
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ROAD INTERSECTION SETOUT

SETOUT POINT	EASTING	NORTHING	LEVEL
1	722537.521	7654136.615	7.764
2	722541.543	7654135.115	7.724
3	722544.394	7654132.471	7.631
4	722546.126	7654128.763	7.533
5	722546.301	7654124.674	7.508
6	722549.139	7654133.344	7.687
7	722551.606	7654132.944	7.678
8	722551.381	7654131.509	7.632
9	722550.994	7654131.270	7.627
10	722549.117	7654131.562	7.632
11	722548.912	7654131.894	7.641
12	722548.838	7654128.810	7.589
13	722550.614	7654128.534	7.583
14	722550.818	7654128.199	7.571
15	722550.103	7654125.823	7.563
16	722548.444	7654126.083	7.566
17	722548.447	7654128.525	7.575
18	722551.773	7654124.326	7.506
19	722553.130	7654128.084	7.524
20	722555.799	7654131.058	7.601
21	722559.389	7654132.813	7.674
22	722563.375	7654133.092	7.694

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES

LEGEND:

PROPOSED SERVICES

- E — PROPOSED UNDERGROUND ELECTRICAL PIT
- PROPOSED STREET LIGHTING
- PP — PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED GRAVITY SEWER MANHOLE
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER HEADWALL
- W — PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- S — PROPOSED GRAVITY SEWER & MANHOLE
- FUTURE DRIVEWAY LOCATION

LEGEND:

PROPOSED ROADWORKS SETOUT

- 1 — SETOUT POINT

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 — 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

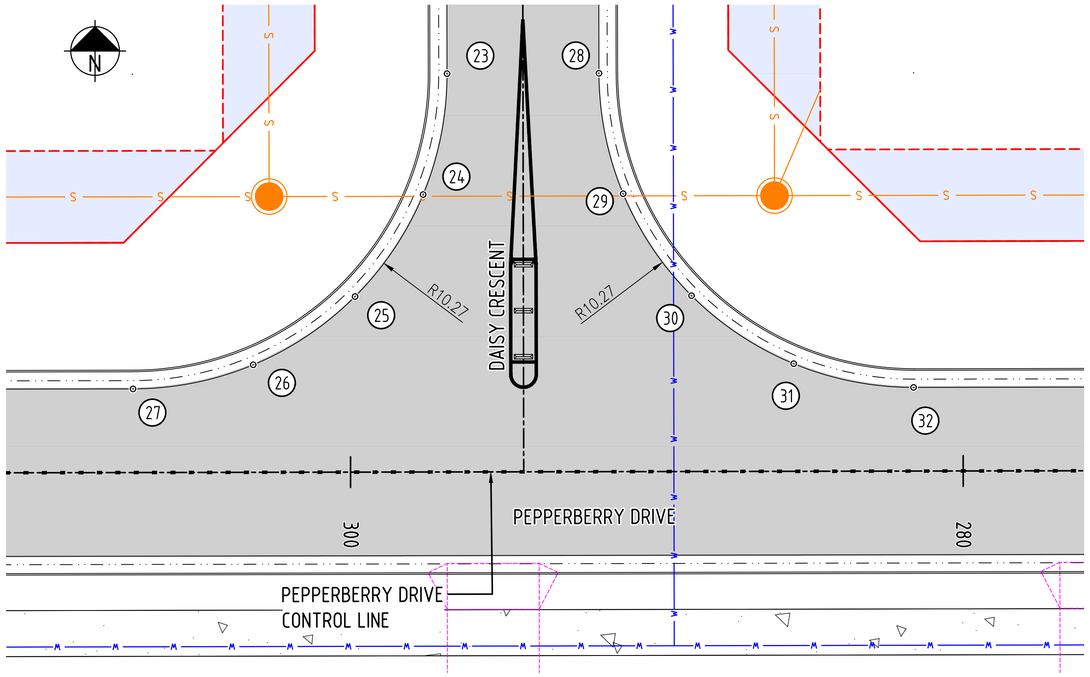
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

INTERSECTION SETOUT DETAILS (SHEET 1 OF 2)

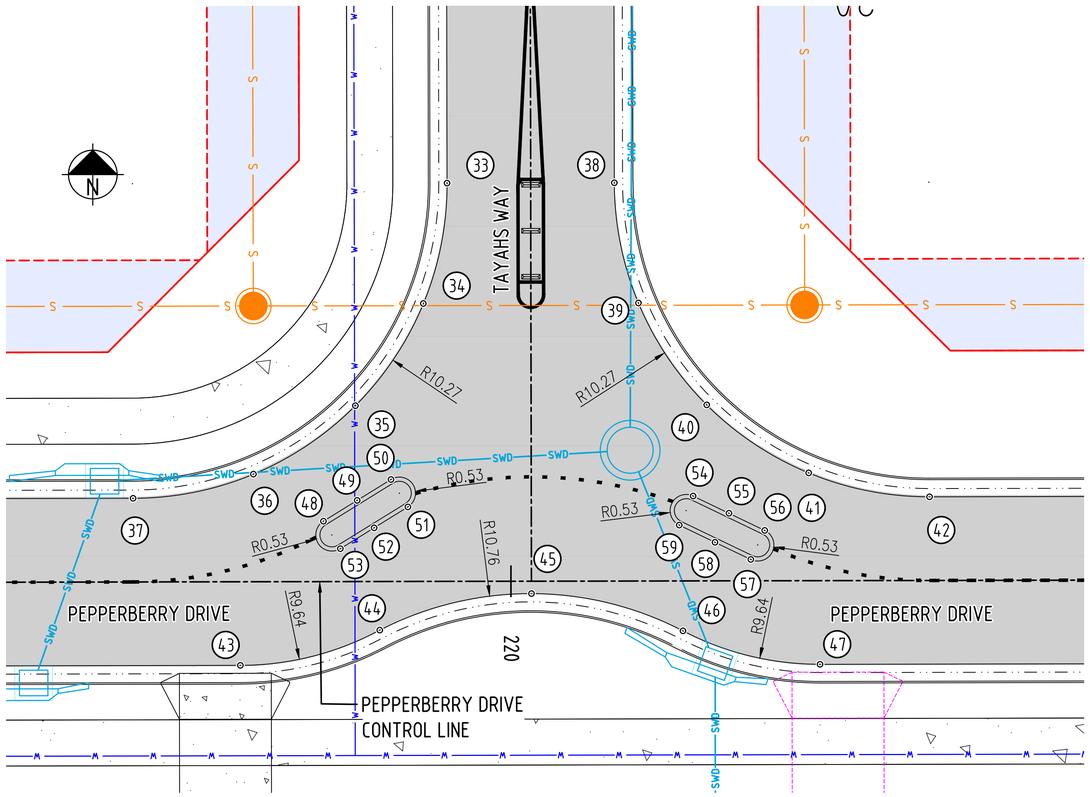
ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C081 — REV: 1

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_23R\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C081.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_ROAD_INTERSECTION_NOTES_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_INTERSECTION_SETOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_250.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_250.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1B_250.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1_250.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_3_250.dwg ; X_2319_DC_STG 7_



INTERSECTION SETOUT
SCALE 1:100



INTERSECTION SETOUT
SCALE 1:100

GENERAL NOTES:

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ROAD INTERSECTION SETOUT

SETOUT POINT	EASTING	NORTHING	LEVEL
23	722455.105	7653989.271	8.461
24	722454.325	7653985.347	8.514
25	722452.103	7653982.018	8.618
26	722448.778	7653979.791	8.706
27	722444.855	7653979.004	8.722
28	722460.065	7653989.303	8.461
29	722460.854	7653985.374	8.514
30	722463.087	7653982.047	8.620
31	722466.423	7653979.827	8.710
32	722470.335	7653979.053	8.727
33	722529.871	7653989.435	7.937
34	722529.096	7653985.504	8.033
35	722526.876	7653982.168	8.220
36	722523.549	7653979.935	8.399
37	722519.620	7653979.146	8.487
38	722535.331	7653989.446	7.937
39	722536.118	7653985.522	7.988
40	722538.345	7653982.196	8.042
41	722541.675	7653979.975	8.052
42	722545.620	7653979.195	7.978
43	722523.122	7653973.693	8.439
44	722527.674	7653974.843	8.401
45	722532.626	7653976.037	8.346
46	722537.572	7653974.819	8.206
47	722542.045	7653973.728	8.069
48	722525.833	7653978.398	8.420
49	722526.936	7653979.079	8.382
50	722528.038	7653979.760	8.328
51	722528.592	7653978.864	8.360
52	722527.489	7653978.183	8.399
53	722526.387	7653977.502	8.438
54	722537.905	7653979.220	8.164
55	722539.073	7653978.659	8.155
56	722540.241	7653978.098	8.145
57	722539.785	7653977.149	8.184
58	722538.617	7653977.710	8.194
59	722537.449	7653978.271	8.203

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- PROPOSED TREES

LEGEND:

PROPOSED SERVICES

- E — PROPOSED UNDERGROUND ELECTRICAL PIT
- PROPOSED STREET LIGHTING
- PP — PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED GRAVITY SEWER MANHOLE
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER HEADWALL
- W — PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- S — PROPOSED GRAVITY SEWER & MANHOLE
- FUTURE DRIVEWAY LOCATION

LEGEND:

PROPOSED ROADWORKS SETOUT

- 1 — SETOUT POINT

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 — 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE: 7198 — RPEQ No — DATE: 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

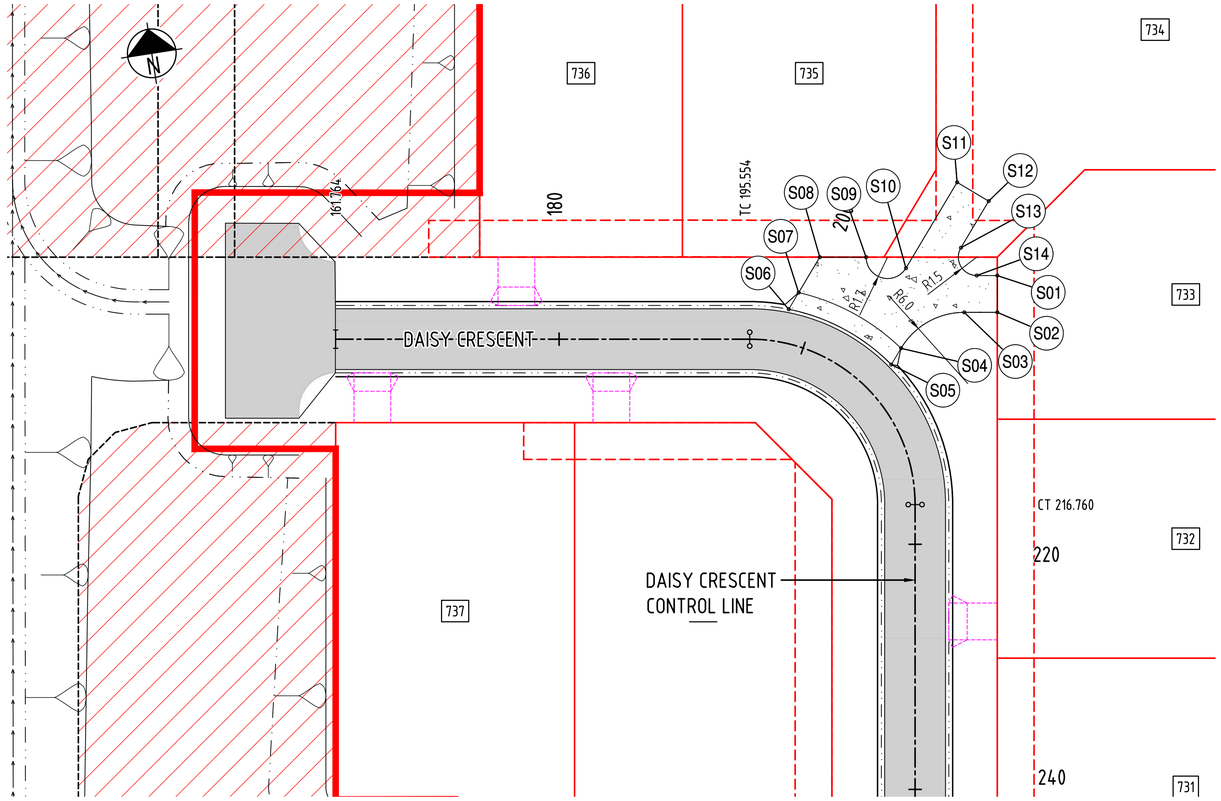
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

INTERSECTION
SETOUT DETAILS
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C082
REV: 1

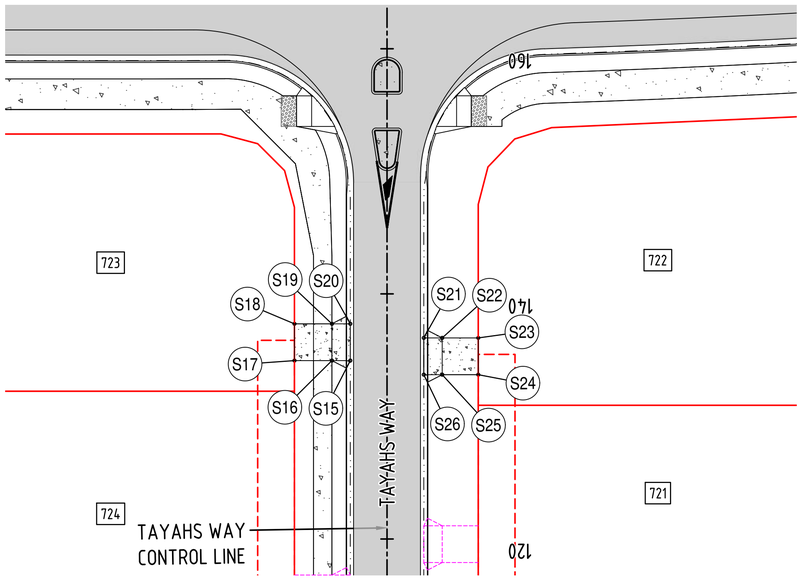
CAD FILENAME: C:\12d5\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C082.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_ROAD_INTERSECTION_NOTES_LEGEND_SHEET 2.dwg ; X_2319_DC_STG 7_INTERSECTION_SETOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_250.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_250.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1B_250.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_1_250.dwg ; X_2319_DC_STG 7_CONTROL_LINE_ROAD_3_250.dwg ; X_2319_DC_STG 7



DAISY CRESCENT - ROAD INVERT CROSSING

SCALE 1:250



TAYLAHS WAY - ROAD INVERT CROSSING

SCALE 1:250

LEGEND:

EXISTING FEATURES

- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB

GENERAL NOTES:

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ROAD INVERT CROSSING SETOUT

SETOUT POINT	EASTING	NORTHING	LEVEL
S01	722477.259	7654107.565	8.367
S02	722476.798	7654104.601	8.346
S03	722474.128	7654105.016	8.329
S04	722468.585	7654102.915	8.254
S05	722467.592	7654101.716	8.100
S06	722460.014	7654107.460	8.076
S07	722461.024	7654108.679	8.232
S08	722463.173	7654111.274	8.298
S09	722466.908	7654110.693	8.324
S10	722469.985	7654109.308	8.337
S11	722475.185	7654115.587	8.430
S12	722477.496	7654113.674	8.418
S13	722474.671	7654110.263	8.374
S14	722475.595	7654107.824	8.360
S15	722543.806	7654110.392	7.526
S16	722542.324	7654110.623	7.685
S17	722539.305	7654111.092	7.745
S18	722539.766	7654114.057	7.736
S19	722542.785	7654113.587	7.676
S20	722544.267	7654113.356	7.517
S21	722550.019	7654111.299	7.521
S22	722551.502	7654111.068	7.679
S23	722554.411	7654110.615	7.738
S24	722553.950	7654107.651	7.747
S25	722551.040	7654108.104	7.688
S26	722549.558	7654108.334	7.530

LEGEND:

- STAGE BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- FUTURE DRIVEWAY LOCATION
- PROPOSED DRIVEWAY

LEGEND:

PROPOSED ROADWORKS SETOUT

- S01 — SETOUT POINT

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:250 — 0 2 4 6 8 10m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
I.F.	A.D.	M.D.

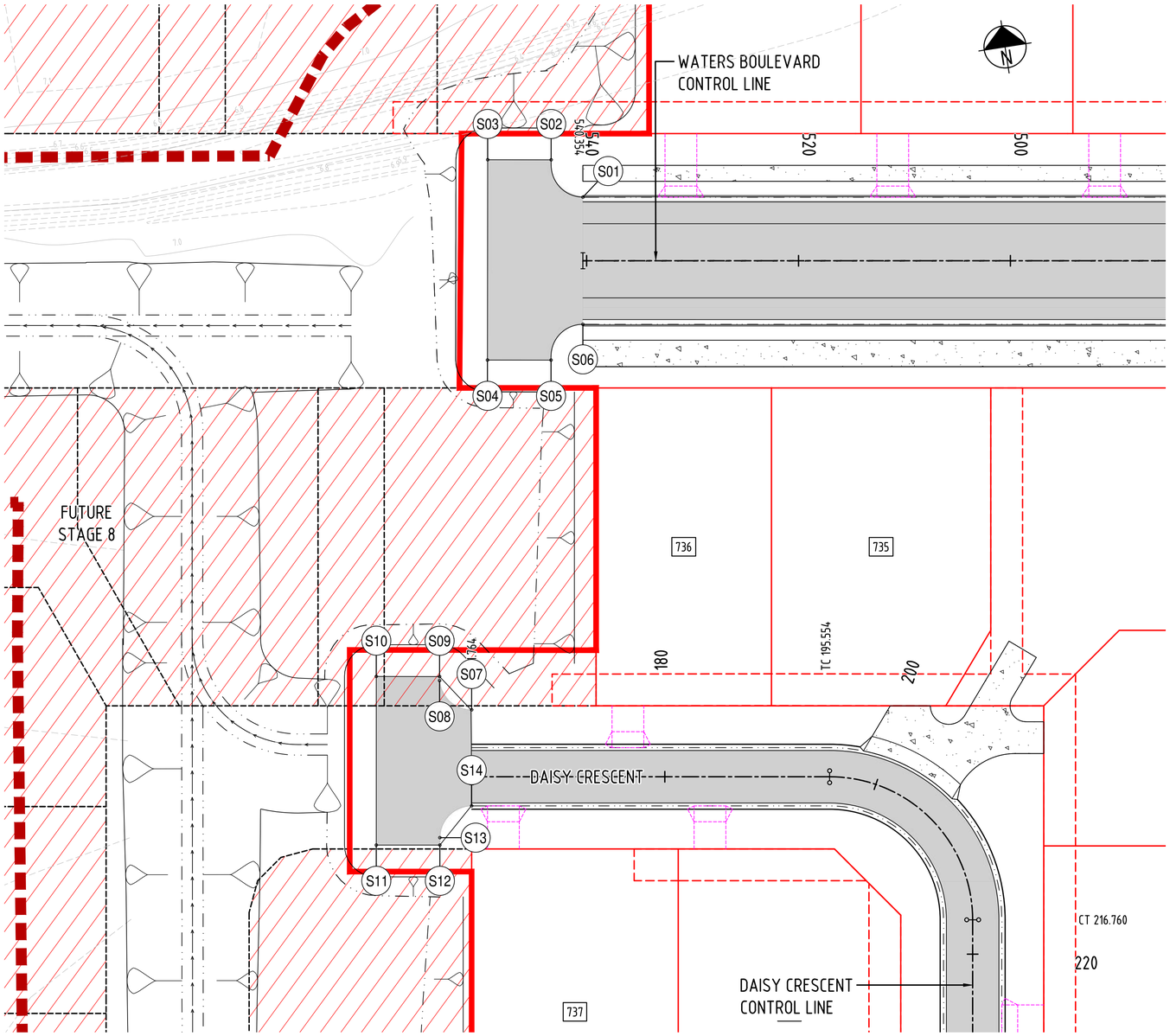
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

DAISY CRESCENT INVERT
CROSSINGS SETOUT DETAILS

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C091
REV: 2

CAD FILENAME: C:\12dSVdata\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C091.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_ROAD_INVERT_CROSSINGS_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_ROAD_INVERT_CROSSING_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_2319_DC_STG 7_CHAN



WATERS BOULEVARD & DAISY CRESCENT TEMPORARY TURN AROUND

SCALE 1:250

LEGEND:

EXISTING FEATURES

- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB

GENERAL NOTES:

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TEMPORARY TURN AROUND AREA SETOUT

SETOUT POINT	EASTING	NORTHING
S01	722441.887	7654163.163
S02	722439.465	7654167.108
S03	722433.549	7654168.035
S04	722430.623	7654149.360
S05	722436.552	7654148.431
S06	722440.035	7654151.306
S07	722424.073	7654116.979
S08	722421.510	7654120.167
S09	722421.569	7654120.545
S10	722415.666	7654121.470
S11	722413.217	7654105.748
S12	722419.147	7654104.826
S13	722419.254	7654105.518
S14	722422.680	7654108.021

LEGEND:

- STAGE BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- FUTURE DRIVEWAY LOCATION
- PROPOSED DRIVEWAY

LEGEND:

PROPOSED ROADWORKS SETOUT

- S01 SETOUT POINT

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:250 0 2 4 6 8 10m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No 20.01.25

RPEQ SIGNATURE		DATE
DRAWN	DESIGNED	CHECKED
I.F.	A.D.	M.D.

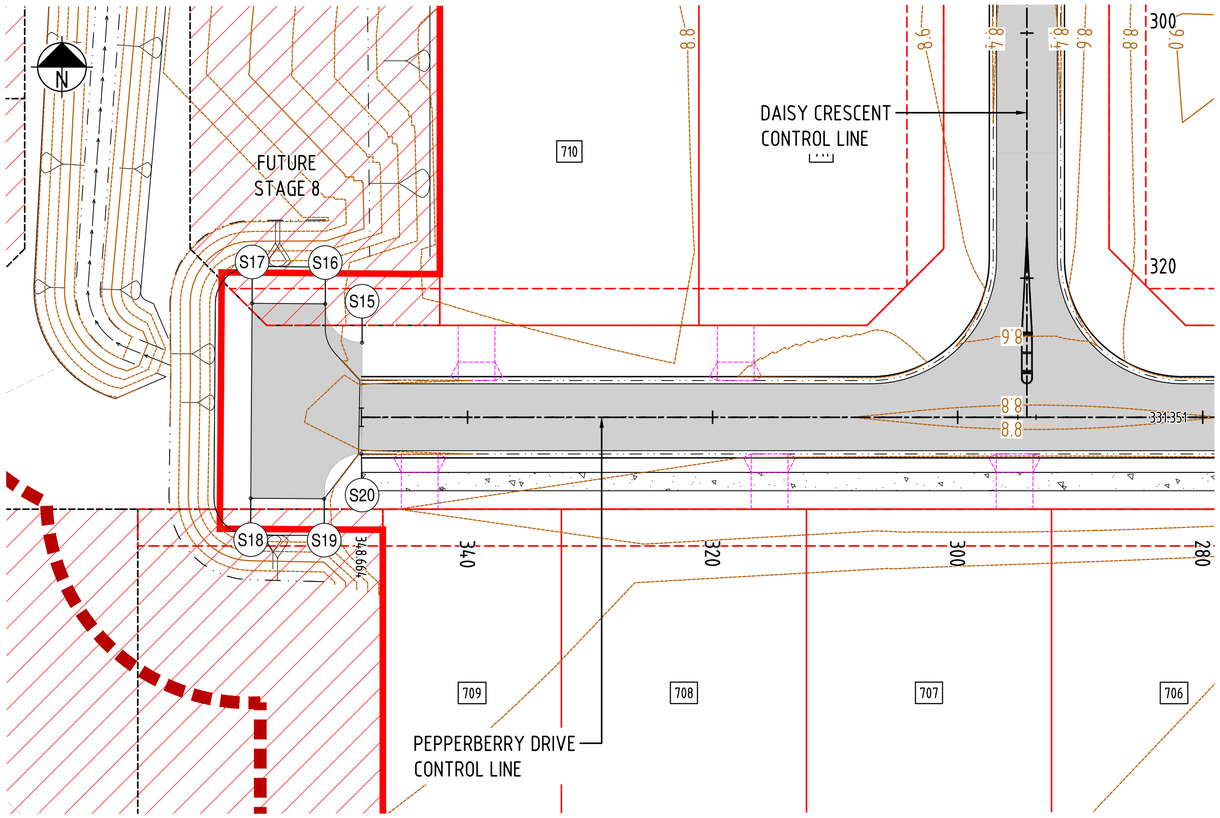
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

PEPPERBERRY DRIVE & WATERS BLVD
TEMPORARY TURN AROUND
SETOUT DETAILS

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C101
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C101.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_TEMPORARY_TURN_AROUND_AREA_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_TEMPORARY_TURN_AROUND_AREA_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_2319



PEPPERBERRY DRIVE TEMPORARY TURN AROUND AREA
SCALE 1:250

LEGEND:

EXISTING FEATURES

- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB

GENERAL NOTES:

1. ALL WORKS THAT ARE INCLUDED ON THESE ENGINEERING PLANS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATION, AND TO THE SATISFACTION OF THE PROJECT SUPERINTENDENT.
2. NO WORK ASSOCIATED WITH THESE DRAWINGS IS TO COMMENCE ON SITE UNTIL APPROVAL IS PROVIDED FROM THE LOCAL AUTHORITY, AND THE CONTRACTOR RECEIVES WRITTEN APPROVAL FROM THE SUPERINTENDENT. A PRE-START MEETING MUST BE HELD PRIOR TO COMMENCEMENT OF WORKS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE SERVICES AUTHORITIES (INCLUDING BUT NOT LIMITED TO ERGON ENERGY, TELSTRA, NBN AND THE LOCAL AUTHORITY) AND LOCATE EXISTING UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION WORKS COMMENCING ON SITE.
4. ANY DAMAGE CAUSED TO EXISTING INFRASTRUCTURE AS A RESULT OF CONSTRUCTION WORKS IS TO BE REPAIRED IMMEDIATELY.

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

TEMPORARY TURN AROUND AREA SETOUT

SETOUT POINT	EASTING	NORTHING
S15	722403.339	7653982.289
S16	722400.332	7653985.443
S17	722394.356	7653985.480
S18	722394.270	7653969.569
S19	722400.275	7653969.538
S20	722403.298	7653973.223

LEGEND:

- STAGE BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- FUTURE DRIVEWAY LOCATION
- PROPOSED DRIVEWAY

LEGEND:

PROPOSED ROADWORKS SETOUT

- S01 SETOUT POINT

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:250 — 0 2 4 6 8 10m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — 7198 RPEQ No — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
I.F.	A.D.	M.D.

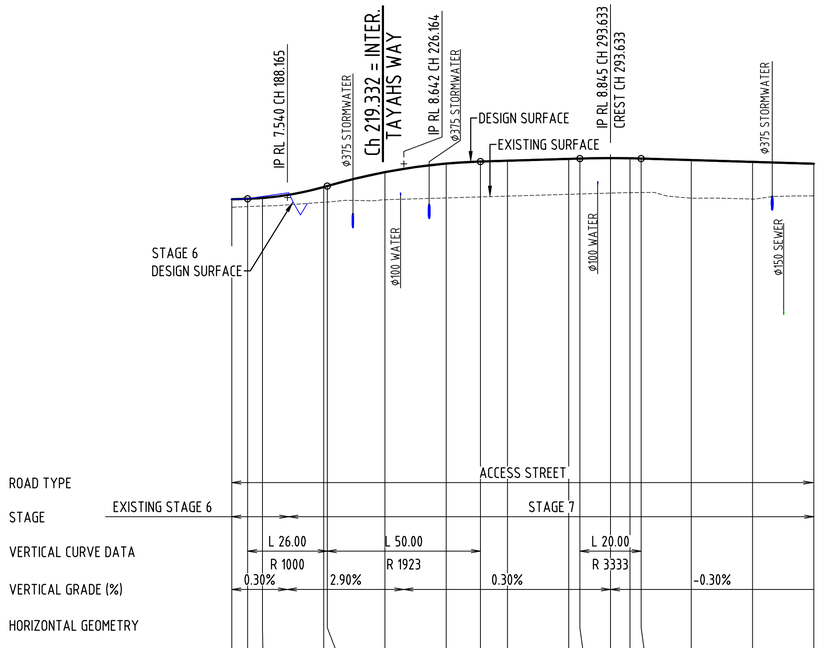
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

DAISY CRESCENT
TEMPORARY TURN AROUND
SETOUT DETAILS

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C102 REV: 2

CAD FILENAME: C:\12dS\data\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C102.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_TEMPORARY_TURN_AROUND_AREA_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_TEMPORARY_TURN_AROUND_AREA_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_231

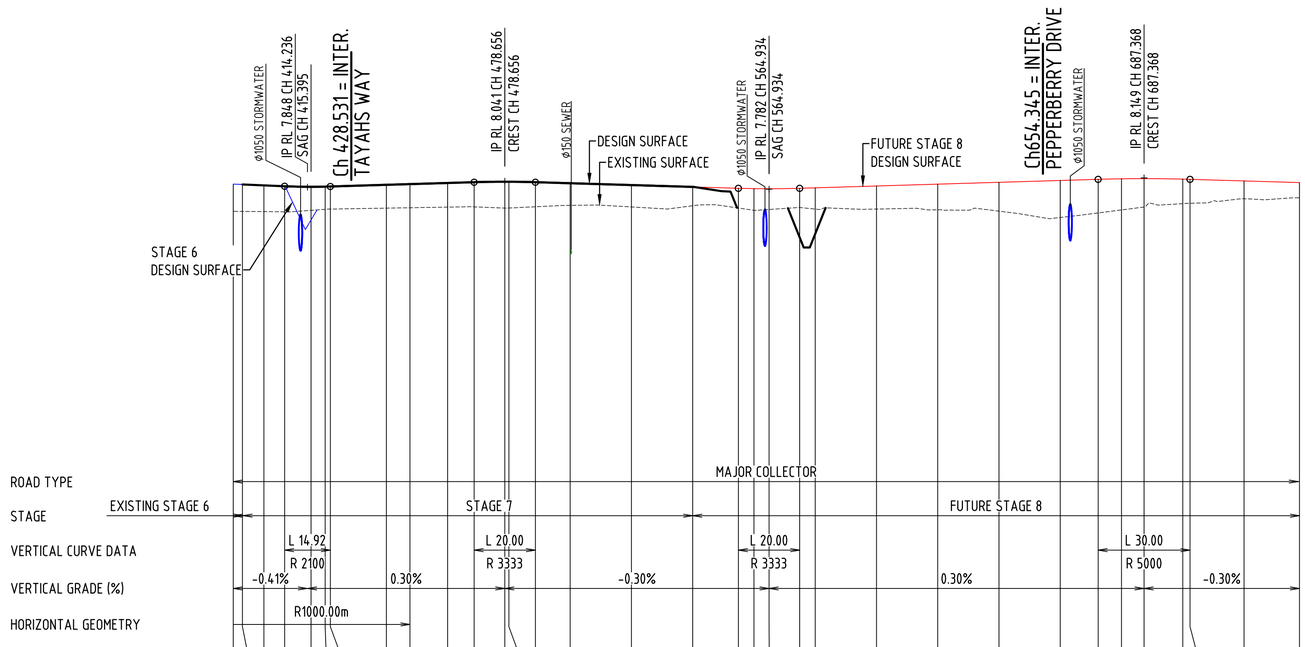


DATUM R.L. -8.000

EARTHWORKS	CUT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FILL	12.0	62.7	122.4	182.1	211.1	212.5	198.3	208.4	224.9	201.5
LEFT LIP DESIGN LEVEL		7.749 7.728 7.709	7.721 7.725	7.781	7.842	7.859 7.846	7.785 7.774	7.744 7.724 7.713	7.663	7.633	7.689
RIGHT LIP DESIGN LEVEL		7.749 7.728 7.709	7.721 7.725	7.781	7.842	7.859 7.846	7.785 7.774	7.744 7.724 7.713	7.663	7.633	7.689
EXISTING SURFACE LEVEL		7.226 7.247 7.266	7.387 7.394	7.470	7.529	7.562 7.588	7.647 7.658	7.687 7.703 7.706	7.520	7.493	7.597
CUT DEPTH (-ve) FILL HEIGHT (+ve)		0.260 0.255 0.262	0.498 0.523	0.901	1.122	1.155 1.156	1.157 1.157	1.143 1.121 1.109	1.246	1.213	1.049
CONTROL LINE LEVEL		7.486 7.501 7.528	7.884 7.917	8.371	8.651	8.717 8.744	8.804 8.815	8.830 8.824 8.815	8.766	8.706	8.646
CONTROL LINE CHAINAGE		170.000 175.166 180.000	200.000 201.164	220.000	240.000	251.164 260.000	280.000 283.633	293.633 300.000 303.633	320.000	340.000	360.000
SUPERELEVATION											

LONGITUDINAL SECTION - PEPPERBERRY DRIVE

HORIZ SCALE 1 : 1000
VERT SCALE 1 : 100



DATUM R.L. -8.000

EARTHWORKS	CUT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FILL	112.6	260.8	199.2	262.7	285.1	274.6	240.9	241.4	212.1	251.5	293.0	318.7	342.2	283.3	329.8	326.0	270.1	171.8		
LEFT LIP DESIGN LEVEL		7.763 7.739 7.712	7.694 7.699 7.703	7.758	7.781	7.818	7.844	7.859 7.859 7.844	7.810	7.750	7.690	7.645 7.634 7.630	7.645 7.661	7.721	7.781	7.841	7.901	7.938 7.955	7.960	7.944 7.938	7.885
RIGHT LIP DESIGN LEVEL		7.763 7.739 7.712	7.694 7.699 7.703	7.758	7.781	7.818	7.844	7.859 7.859 7.844	7.810	7.750	7.690	7.645 7.634 7.630	7.645 7.661	7.721	7.781	7.841	7.901	7.938 7.955	7.960	7.944 7.938	7.885
EXISTING SURFACE LEVEL		7.060 7.057 7.051	7.043	7.091 7.124 7.133	7.164	7.197	7.205	7.164 7.167 7.208	7.254	7.202	7.241	7.167 7.093 7.119	7.185 7.133	7.133	7.110	7.065	6.858	7.007 7.105	7.199	7.311 7.323	7.470	7.499
CUT DEPTH (-ve) FILL HEIGHT (+ve)		0.887 0.879 0.855	0.835	0.769 0.741 0.737	0.761	0.788	0.805	0.861 0.858 0.802	0.723	0.715	0.616	0.645 0.707 0.678	0.627 0.694	0.754	0.837	0.942	1.209	1.097 1.017	0.928	0.800 0.782	0.581	0.498
CONTROL LINE LEVEL		7.947 7.937 7.906	7.878	7.860 7.866 7.870	7.925	7.948	7.985	8.011 8.026 8.011	7.977	7.917	7.857	7.812 7.801 7.797	7.812 7.827	7.887	7.947	8.007	8.067	8.104 8.121	8.127	8.111 8.104	8.051	7.997
CONTROL LINE CHAINAGE		390.000 393.010 400.000	406.778	415.395 420.000 421.695	440.000	447.703	460.000	468.656 478.656 480.000 488.656	500.000	520.000	540.000	554.934 560.000 564.934	574.934 580.000	600.000	620.000	640.000	660.000	672.368 680.000 687.368	700.000 702.368		720.000	738.104
SUPERELEVATION																					

LONGITUDINAL SECTION - WATERS BOULEVARD

HORIZ SCALE 1 : 1000
VERT SCALE 1 : 100

PEPPERBERRY DRIVE - CONTROL LINE SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
IP 1	0.000	722751.956	7653976.856	7.930	269°53'29.33"			
TC	437.002	722314.955	7653976.028	7.616	269°53'29.33"			
IP 2	449.954	722297.408	7653975.995	7.577		R = 15.000	25.905	98°57'00.67"
CT	462.907	722300.105	7653993.334	7.538	8°50'30.00"			
IP 3	646.510	722328.326	7654174.755	7.849	8°50'30.00"			

WATERS BOULEVARD - CONTROL LINE SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
IP 1	0.000	722977.840	7654106.516	7.318	278°45'08.31"			
TC	131.092	722848.274	7654126.464	7.551	278°45'08.31"			
IP 2	161.666	722817.998	7654131.125	7.621		R = -400.000	61.147	8°45'31.37"
CT	192.239	722787.364	7654131.121	7.661	269°59'36.95"			
TC	293.275	722686.329	7654131.110	7.740	269°59'36.95"			
IP 3	370.489	722608.961	7654131.102	7.966		R = 1000.000	154.428	8°50'53.07"
CT	447.703	722532.513	7654142.993	7.809	278°50'30.02"			
IP 4	738.104	722245.562	7654187.629	7.900	278°50'30.02"			

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE
1:100 0 1 2 3 4m
1:1000 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL
RPEQ SIGNATURE: 7198 RPEQ No
DATE: 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

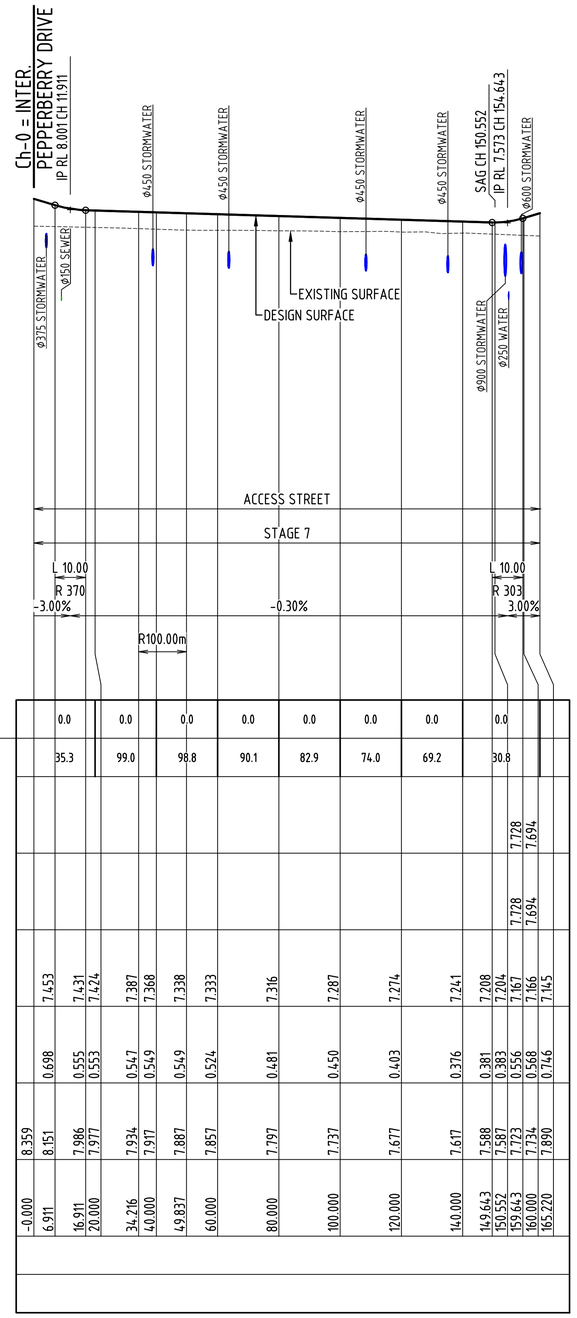
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

PEPPERBERRY DRIVE & WATERS BLVD
LONGITUDINAL SECTIONS AND
CONTROL LINE SETOUT DETAILS

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C121
REV: 1

CAD FILENAME: C:\12d\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C121.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_ROAD_LONGITUDINAL_SECTIONS.dwg



DATUM R.L. -8.000

EARTHWORKS	CUT		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
	FILL		35.3	99.0	98.8	90.1	82.9	74.0	69.2	30.8							
LEFT LIP DESIGN LEVEL															7.728	7.694	
RIGHT LIP DESIGN LEVEL														7.728	7.694		
EXISTING SURFACE LEVEL			7.453	7.431	7.424	7.387	7.368	7.338	7.333	7.316	7.287	7.274	7.241	7.208	7.204	7.167	7.145
CUT DEPTH (-ve) FILL HEIGHT (+ve)			0.698	0.555	0.553	0.547	0.549	0.549	0.524	0.481	0.450	0.403	0.376	0.381	0.383	0.556	0.568	0.746
CONTROL LINE LEVEL		8.359	8.151	7.986	7.977	7.934	7.917	7.887	7.857	7.797	7.737	7.677	7.617	7.588	7.587	7.723	7.734	7.890
CONTROL LINE CHAINAGE		-0.000	6.911	16.911	20.000	34.216	40.000	49.837	60.000	80.000	100.000	120.000	140.000	149.643	150.552	159.643	160.000	165.220
SUPERELEVATION																	

LONGITUDINAL SECTION - TAYAHS WAY

HORIZ SCALE 1 : 1000
VERT SCALE 1 : 100

TAYAHS WAY - CONTROL LINE SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
IP 1	0.000	722532.625	7653976.441	7.657	359°53'29.34"			
TC	34.216	722532.560	7654010.657	7.556	359°53'29.34"			
IP 2	42.027	722532.546	7654018.483	7.579		R = 100.000	15.621	8°57'00.66"
CT	49.837	722533.748	7654026.216	7.603	8°50'30.00"			
IP 3	165.220	722551.483	7654140.228	7.799	8°50'30.00"			

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE
1:100 0 1 2 3 4m
1:1000 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL
RPEQ SIGNATURE | DATE
7198 RPEQ No
20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

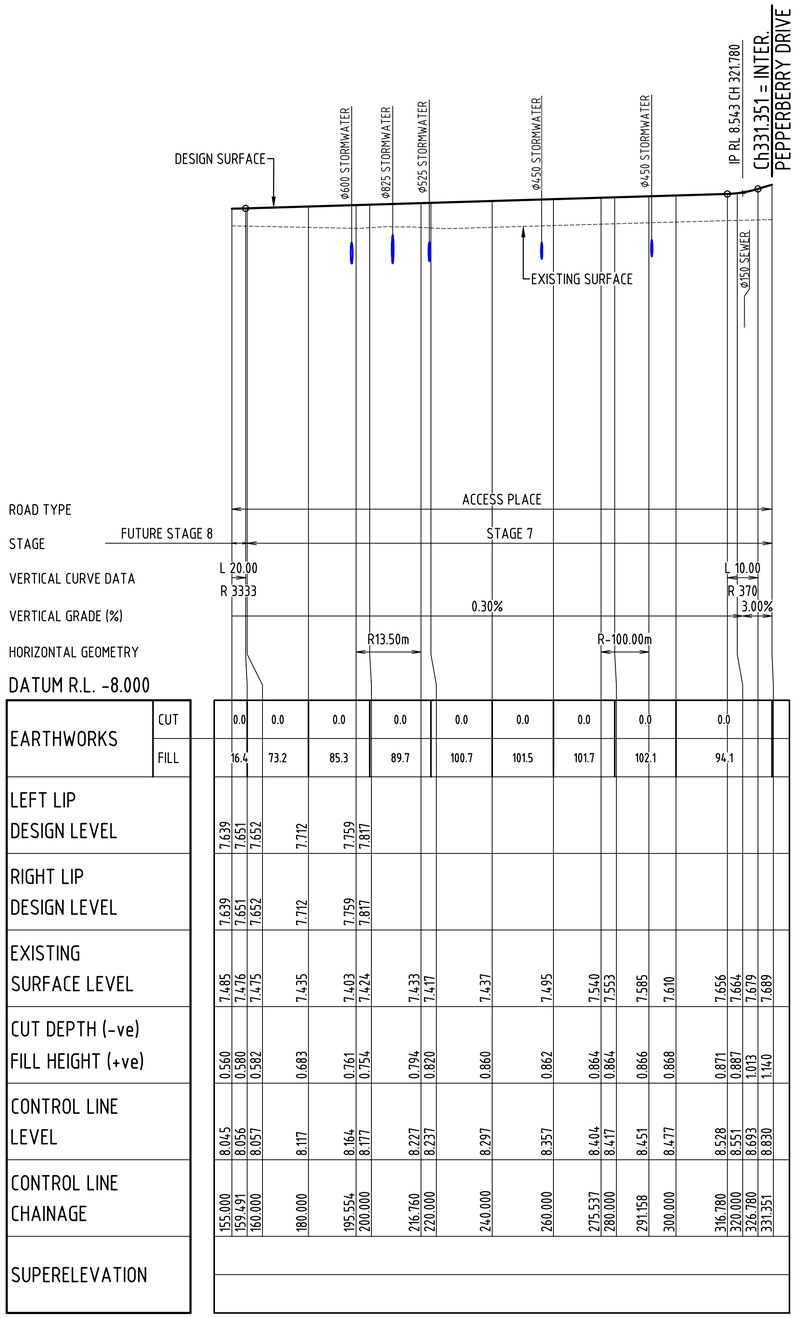
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

TAYAHS WAY
LONGITUDINAL SECTIONS AND
CONTROL LINE SETOUT DETAILS

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C122
REV: 1

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C122.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_ROAD_LONGITUDINAL_SECTIONS.dwg



EARTHWORKS	CUT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			
	FILL	16.4	73.2	85.3	89.7	100.7	101.5	101.7	102.1	94.1																			
LEFT LIP DESIGN LEVEL		7.639	7.651	7.652	7.712	7.759	7.817																						
RIGHT LIP DESIGN LEVEL		7.639	7.651	7.652	7.712	7.759	7.817																						
EXISTING SURFACE LEVEL		7.485	7.476	7.475	7.435	7.403	7.424	7.433	7.417	7.437	7.495	7.540	7.553	7.585	7.610	7.656	7.664	7.679	7.689										
CUT DEPTH (-ve) FILL HEIGHT (+ve)		0.560	0.580	0.582	0.683	0.761	0.754	0.794	0.820	0.860	0.862	0.864	0.864	0.866	0.868	0.871	0.887	1.013	1.140										
CONTROL LINE LEVEL		8.045	8.056	8.057	8.117	8.164	8.177	8.227	8.237	8.297	8.357	8.404	8.417	8.451	8.477	8.528	8.551	8.693	8.830										
CONTROL LINE CHAINAGE		155.000	159.491	160.000	180.000	195.554	200.000	216.760	220.000	240.000	260.000	275.537	280.000	291.158	300.000	316.780	320.000	326.780	331.351										
SUPERELEVATION																													

LONGITUDINAL SECTION - DAISY CRESCENT

HORIZ SCALE 1 : 1000
VERT SCALE 1 : 100

DAISY CRESCENT - CONTROL LINE SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
IP 1	0.000	722382.595	7653976.156	7.814	359°53'29.00"			
TC	46.064	722382.507	7654022.221	7.540	359°53'29.00"			
IP 2	53.875	722382.493	7654030.047	7.563		R = 100.000	15.621	8°57'01.01"
CT	61.686	722383.696	7654037.781	7.587	8°50'30.00"			
TC	126.333	722393.632	7654101.660	7.781	8°50'30.00"			
IP 3	136.936	722395.707	7654115.000	7.812		R = 13.500	21.206	90°00'00.00"
CT	147.539	722409.047	7654112.925	7.835	98°50'30.00"			
TC	195.554	722456.492	7654105.545	7.735	98°50'30.00"			
IP 4	206.157	722469.831	7654103.470	7.687		R = 13.500	21.206	90°00'00.00"
CT	216.760	722467.756	7654090.130	7.639	188°50'30.00"			
TC	275.537	722458.722	7654032.052	7.375	188°50'30.00"			
IP 5	283.347	722457.519	7654024.318	7.340		R = -100.000	15.621	8°57'00.83"
CT	291.158	722457.534	7654016.492	7.305	179°53'29.17"			
IP 6	331.351	722457.610	7653976.299	7.686	179°53'29.17"			

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE
1:100 0 1 2 3 4m
1:1000 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL
RPEQ SIGNATURE: 7198 RPEQ No
DATE: 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

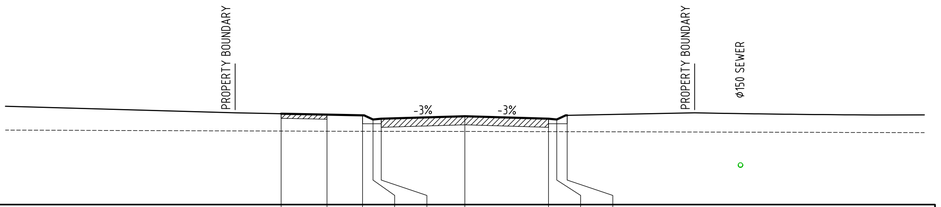
DAISY CRESCENT
LONGITUDINAL SECTIONS AND
CONTROL LINE SETOUT DETAILS

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C123
REV: 1

CAD FILENAME: C:\12d5\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C123.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_ROAD_LONGITUDINAL_SECTIONS.dwg

PEPPERBERRY DRIVE CONTROL LINE
X = 722551.957
Y = 7653976.477
Z = 7.884m

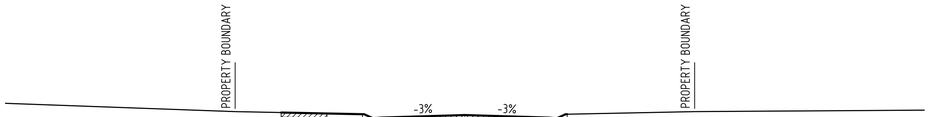


DATUM 5.000

DESIGN LEVEL	7.966	7.936	7.912	7.777	7.802	7.884	7.802	7.777	7.912	
EXISTING LEVEL	7.400	7.395	7.393	7.392	7.391	7.387	7.382	7.381	7.380	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 200.000

PEPPERBERRY DRIVE CONTROL LINE
X = 722561.957
Y = 7653976.496
Z = 7.656m

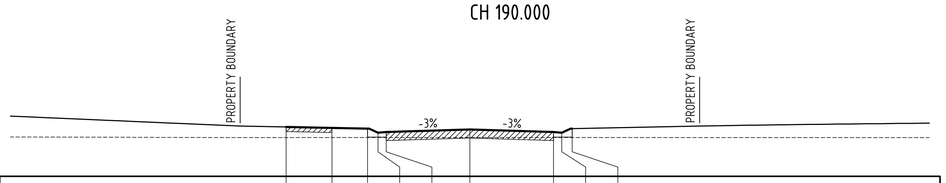


DATUM 6.000

DESIGN LEVEL	7.737	7.707	7.684	7.549	7.574	7.656	7.574	7.549	7.684	
EXISTING LEVEL	7.332	7.328	7.325	7.324	7.323	7.316	7.308	7.307	7.306	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 190.000

PEPPERBERRY DRIVE CONTROL LINE
X = 722571.957
Y = 7653976.515
Z = 7.528m

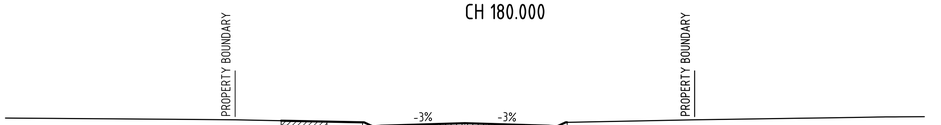


DATUM 6.000

DESIGN LEVEL	7.609	7.579	7.556	7.421	7.446	7.528	7.446	7.421	7.556	
EXISTING LEVEL	7.264	7.264	7.265	7.265	7.265	7.266	7.265	7.265	7.265	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 180.000

PEPPERBERRY DRIVE CONTROL LINE
X = 722577.292
Y = 7653976.525
Z = 7.500m

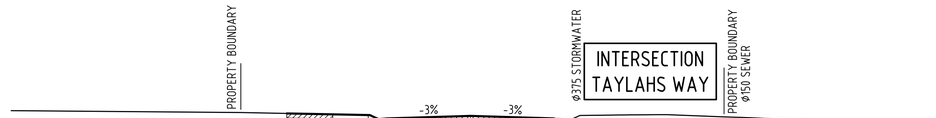


DATUM 6.000

DESIGN LEVEL	7.581	7.551	7.528	7.393	7.418	7.500	7.418	7.393	7.528	
EXISTING LEVEL	7.247	7.246	7.246	7.246	7.245	7.244	7.244	7.243	7.243	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 174.665

PEPPERBERRY DRIVE CONTROL LINE
X = 722521.957
Y = 7653976.420
Z = 8.537m

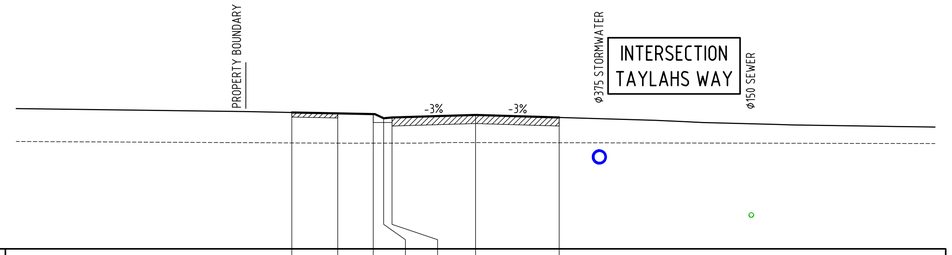


DATUM 3.000

DESIGN LEVEL	8.619	8.589	8.565	8.430	8.455	8.537	8.455			
EXISTING LEVEL	7.513	7.510	7.507	7.506	7.506	7.500	7.494			
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730			

CH 230.000

PEPPERBERRY DRIVE CONTROL LINE
X = 722531.957
Y = 7653976.439
Z = 8.371m

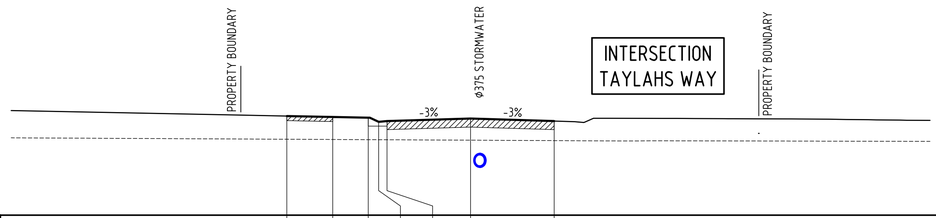


DATUM 4.000

DESIGN LEVEL	8.453	8.423	8.399	8.264	8.289	8.371	8.289			
EXISTING LEVEL	7.459	7.451	7.450	7.451	7.451	7.470	7.464			
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730			

CH 220.000

PEPPERBERRY DRIVE CONTROL LINE
X = 722541.957
Y = 7653976.458
Z = 8.153m



DATUM 5.000

DESIGN LEVEL	8.235	8.205	8.181	8.046	8.071	8.153	8.071			
EXISTING LEVEL	7.477	7.470	7.464	7.462	7.461	7.447	7.432			
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730			

CH 210.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198
RPEQ No 20.01.25
RPEQ SIGNATURE DATE

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

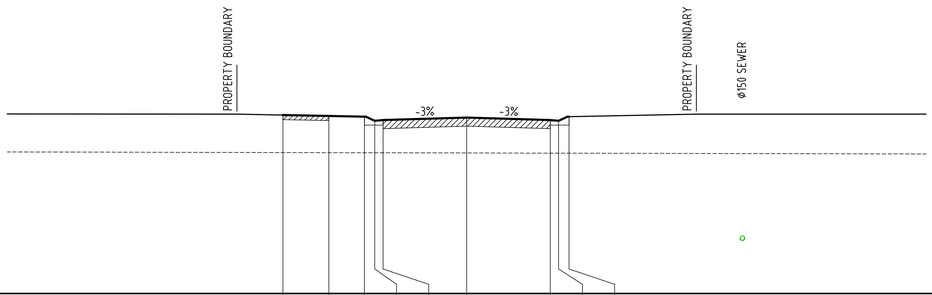
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

PEPPERBERRY DRIVE - CONTROL LINE
CROSS SECTIONS
(SHEET 1 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C131
REV: 1

CAD FILENAME: (:\12d\Data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C131.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

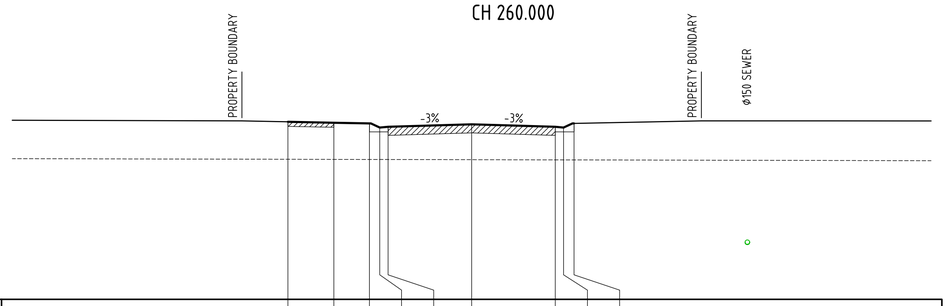


PEPPERBERRY DRIVE CONTROL LINE
X = 722491.957
Y = 7653976.364
Z = 8.744m

DATUM 3.000

DESIGN LEVEL	8.825	8.795	8.772	8.637	8.662	8.744	8.662	8.637	8.772	
EXISTING LEVEL	7.601	7.598	7.596	7.595	7.594	7.588	7.582	7.581	7.581	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 260.000

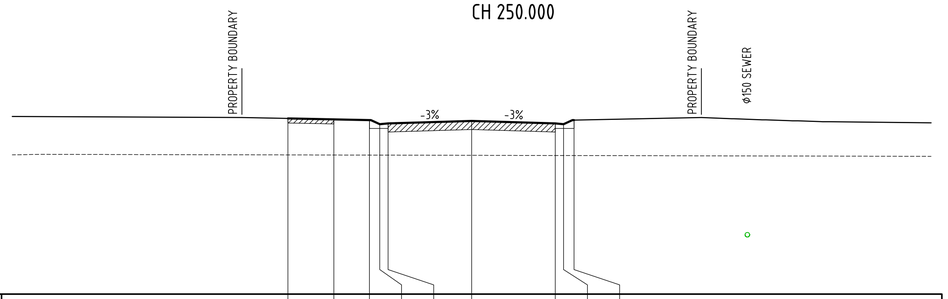


PEPPERBERRY DRIVE CONTROL LINE
X = 722501.957
Y = 7653976.382
Z = 8.713m

DATUM 3.000

DESIGN LEVEL	8.795	8.765	8.742	8.607	8.632	8.713	8.632	8.607	8.742	
EXISTING LEVEL	7.572	7.569	7.566	7.565	7.565	7.559	7.553	7.552	7.551	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 250.000

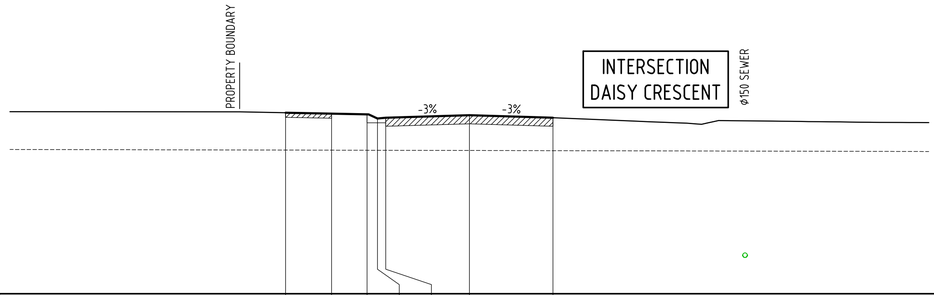


PEPPERBERRY DRIVE CONTROL LINE
X = 722511.957
Y = 7653976.401
Z = 8.651m

DATUM 3.000

DESIGN LEVEL	8.733	8.703	8.680	8.545	8.570	8.651	8.570	8.545	8.680	
EXISTING LEVEL	7.543	7.539	7.537	7.536	7.535	7.529	7.523	7.523	7.522	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 240.000

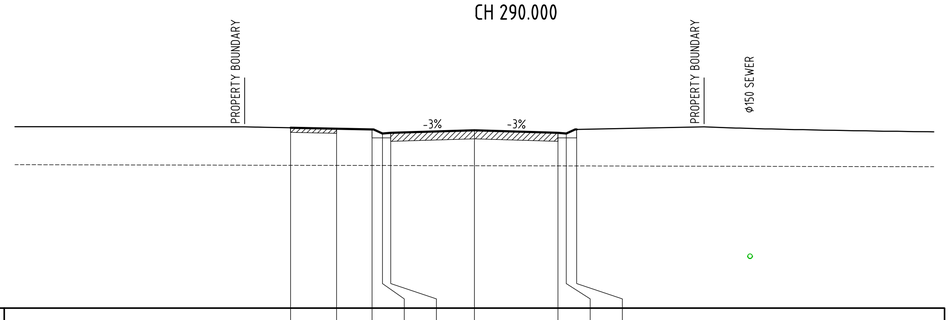


PEPPERBERRY DRIVE CONTROL LINE
X = 722461.957
Y = 7653976.307
Z = 8.828m

DATUM 3.000

DESIGN LEVEL	8.909	8.879	8.856	8.721	8.746	8.828	8.746			
EXISTING LEVEL	7.690	7.686	7.684	7.683	7.683	7.677	7.670			
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730			

CH 290.000

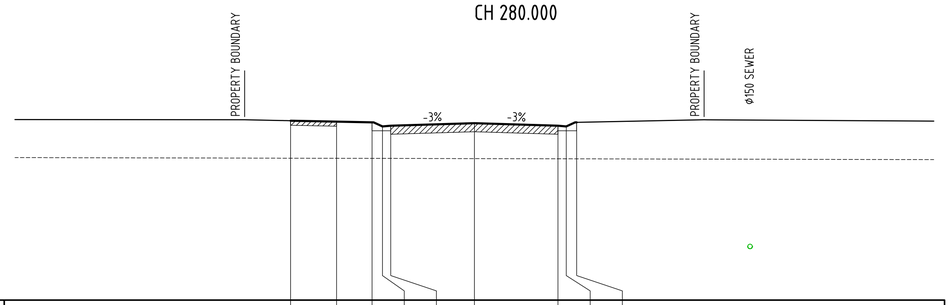


PEPPERBERRY DRIVE CONTROL LINE
X = 722471.957
Y = 7653976.326
Z = 8.804m

DATUM 3.000

DESIGN LEVEL	8.885	8.855	8.832	8.697	8.722	8.804	8.722	8.697	8.832	
EXISTING LEVEL	7.660	7.657	7.654	7.654	7.653	7.647	7.641	7.640	7.640	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 280.000



PEPPERBERRY DRIVE CONTROL LINE
X = 722481.957
Y = 7653976.345
Z = 8.774m

DATUM 3.000

DESIGN LEVEL	8.855	8.825	8.802	8.667	8.692	8.774	8.692	8.667	8.802	
EXISTING LEVEL	7.631	7.628	7.625	7.624	7.624	7.618	7.612	7.611	7.610	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 270.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No 20.01.25 DATE
RPEQ SIGNATURE
DRAWN J.A. | DESIGNED A.D. | CHECKED M.D.

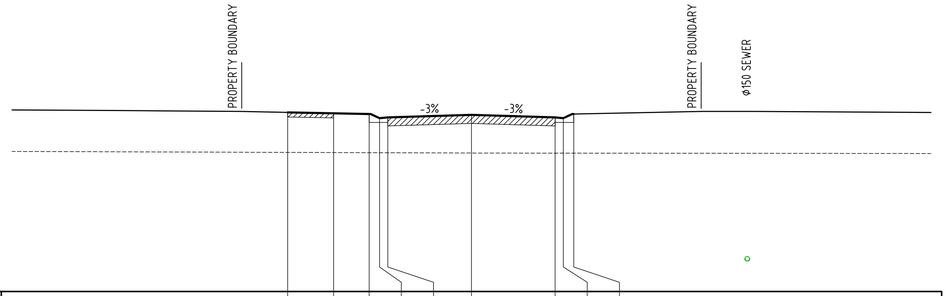
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

PEPPERBERRY DRIVE - CONTROL LINE
CROSS SECTIONS
(SHEET 2 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C132
REV: 1

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C132.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

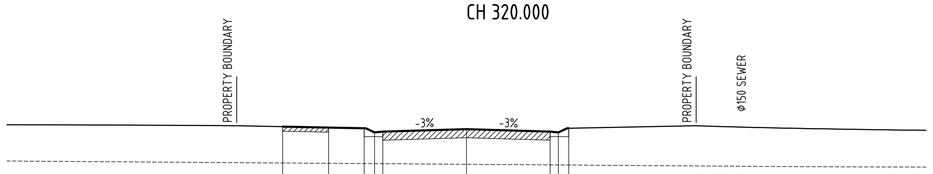


PEPPERBERRY DRIVE CONTROL LINE
X = 722431.957
Y = 7653976.250
Z = 8.766m

DATUM 3.000

DESIGN LEVEL	8.847	8.817	8.794	8.659	8.684	8.766	8.684	8.659	8.794	
EXISTING LEVEL	7.541	7.536	7.532	7.531	7.530	7.520	7.517	7.517	7.516	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 320.000

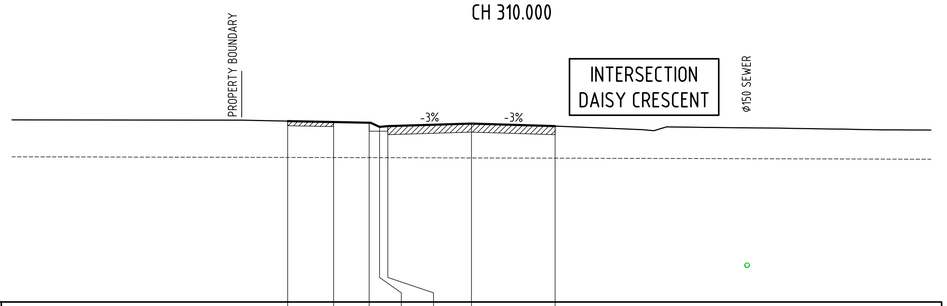


PEPPERBERRY DRIVE CONTROL LINE
X = 722441.957
Y = 7653976.269
Z = 8.796m

DATUM 3.000

DESIGN LEVEL	8.877	8.847	8.824	8.689	8.714	8.796	8.714	8.689	8.824	
EXISTING LEVEL	7.691	7.680	7.672	7.669	7.668	7.648	7.629	7.627	7.624	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 310.000

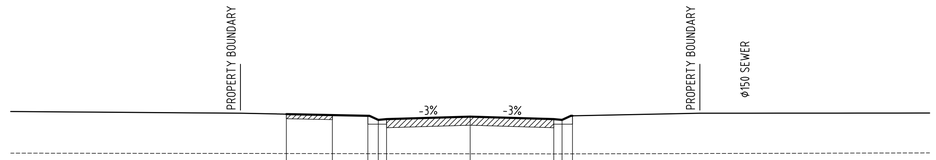


PEPPERBERRY DRIVE CONTROL LINE
X = 722451.957
Y = 7653976.288
Z = 8.824m

DATUM 3.000

DESIGN LEVEL	8.905	8.875	8.852	8.717	8.742	8.824	8.742			
EXISTING LEVEL	7.719	7.715	7.712	7.711	7.710	7.703	7.695			
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730			

CH 300.000

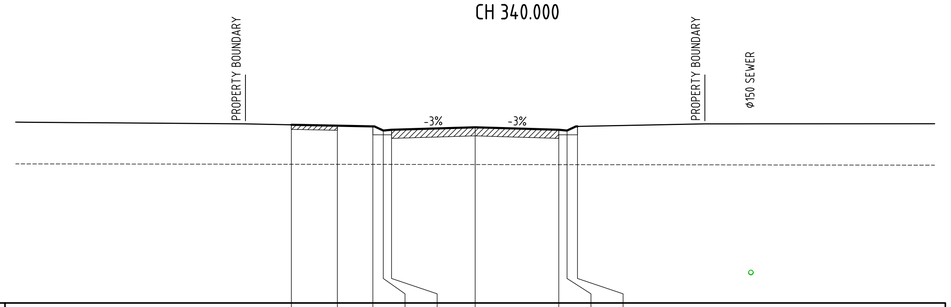


PEPPERBERRY DRIVE CONTROL LINE
X = 722411.957
Y = 7653976.212
Z = 8.706m

DATUM 3.000

DESIGN LEVEL	8.787	8.757	8.734	8.599	8.624	8.706	8.624	8.599	8.734	
EXISTING LEVEL	7.501	7.499	7.497	7.497	7.497	7.493	7.489	7.489	7.490	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 340.000



PEPPERBERRY DRIVE CONTROL LINE
X = 722421.957
Y = 7653976.231
Z = 8.736m

DATUM 3.000

DESIGN LEVEL	8.817	8.787	8.764	8.629	8.654	8.736	8.654	8.629	8.764	
EXISTING LEVEL	7.528	7.526	7.525	7.524	7.524	7.520	7.516	7.516	7.515	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 330.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No 20.01.25

RPEQ SIGNATURE	DATE

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

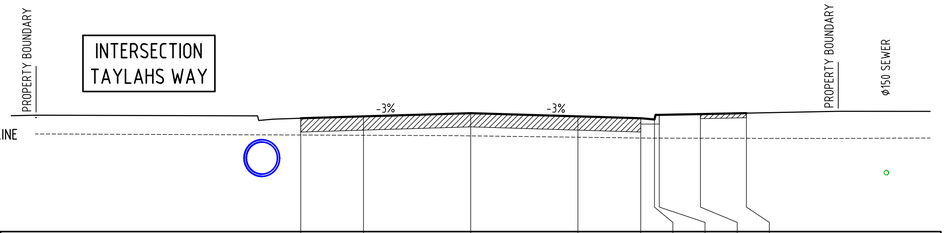
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

PEPPERBERRY DRIVE - CONTROL LINE
CROSS SECTIONS
(SHEET 3 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C133
REV: 1

CAD FILENAME: C:\TEMP\dykman\SYNC\2319 - The Waters Ooralea_2319\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C133.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

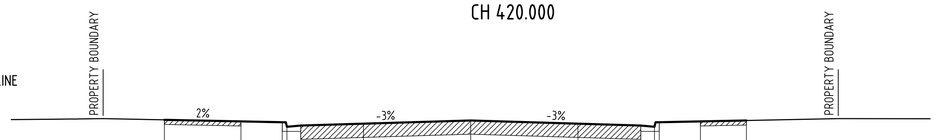


WATERS BOULEVARD CONTROL LINE
X = 722559.942
Y = 7654139.115
Z = 7.866m

DATUM 4.000

DESIGN LEVEL	7.699	7.761	7.866	7.761	7.699	7.659	7.809	7.836	7.866	
EXISTING LEVEL	7.152	7.144	7.124	7.080	7.054	7.049	7.049	7.047	7.045	
OFFSET	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000	

CH 420.000

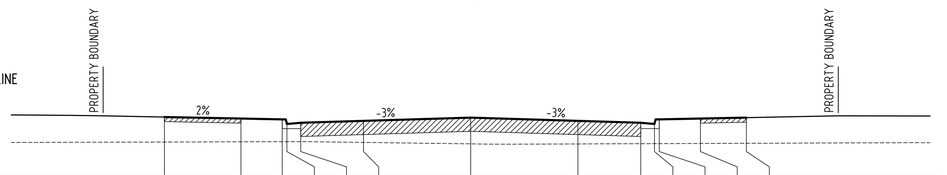


WATERS BOULEVARD CONTROL LINE
X = 722569.868
Y = 7654137.902
Z = 7.867m

DATUM 6.000

DESIGN LEVEL	7.888	7.838	7.811	7.661	7.701	7.762	7.867	7.762	7.701	7.661	7.811	7.838	7.868
EXISTING LEVEL	7.139	7.142	7.129	7.127	7.121	7.096	7.052	7.049	7.057	7.059	7.060	7.065	7.070
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 410.000

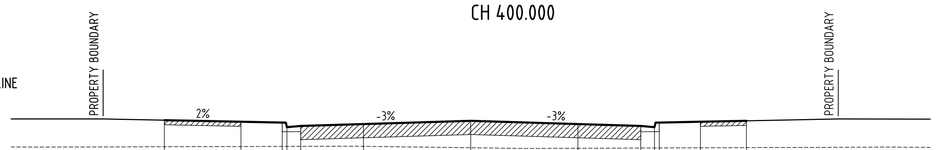


WATERS BOULEVARD CONTROL LINE
X = 722579.805
Y = 7654136.788
Z = 7.906m

DATUM 6.000

DESIGN LEVEL	7.926	7.876	7.849	7.699	7.739	7.801	7.906	7.801	7.739	7.699	7.849	7.876	7.906
EXISTING LEVEL	7.110	7.117	7.121	7.121	7.123	7.098	7.051	7.048	7.056	7.057	7.058	7.063	7.069
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 400.000

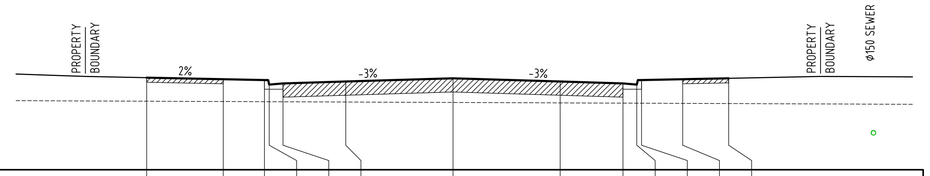


WATERS BOULEVARD CONTROL LINE
X = 722587.361
Y = 7654136.008
Z = 7.937m

DATUM 6.000

DESIGN LEVEL	7.950	7.900	7.873	7.723	7.763	7.824	7.937	7.824	7.763	7.723	7.873	7.900	7.930
EXISTING LEVEL	7.091	7.098	7.102	7.102	7.104	7.105	7.058	7.041	7.049	7.051	7.051	7.056	7.062
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 393.010

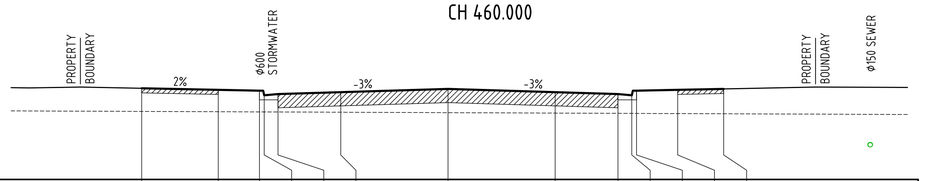


WATERS BOULEVARD CONTROL LINE
X = 722520.361
Y = 7654144.883
Z = 7.985m

DATUM 5.000

DESIGN LEVEL	8.005	7.955	7.928	7.778	7.818	7.880	7.985	7.880	7.818	7.778	7.928	7.955	7.985
EXISTING LEVEL	7.237	7.227	7.221	7.221	7.219	7.211	7.197	7.182	7.174	7.172	7.172	7.166	7.160
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 460.000

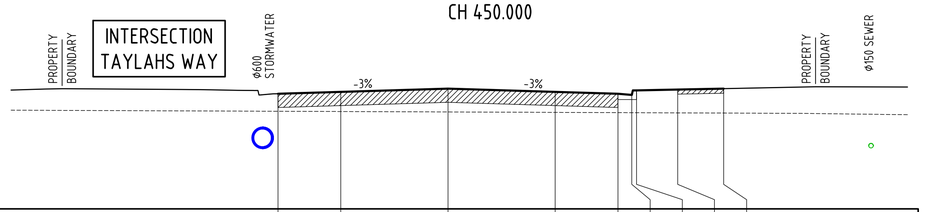


WATERS BOULEVARD CONTROL LINE
X = 722530.243
Y = 7654143.346
Z = 7.955m

DATUM 5.000

DESIGN LEVEL	7.975	7.925	7.898	7.748	7.788	7.850	7.955	7.850	7.788	7.748	7.898	7.925	7.955
EXISTING LEVEL	7.221	7.211	7.205	7.205	7.203	7.194	7.180	7.166	7.158	7.156	7.155	7.150	7.144
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 450.000

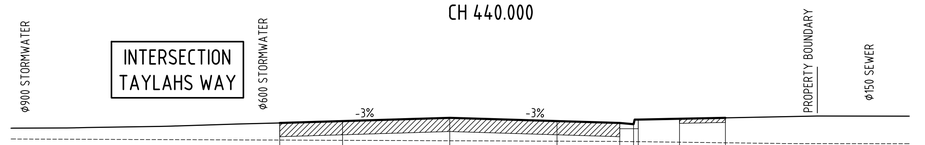


WATERS BOULEVARD CONTROL LINE
X = 722540.128
Y = 7654141.839
Z = 7.925m

DATUM 4.000

DESIGN LEVEL	7.758	7.820	7.925	7.820	7.758	7.718	7.868	7.895	7.925	
EXISTING LEVEL	7.186	7.178	7.164	7.150	7.142	7.140	7.139	7.134	7.128	
OFFSET	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000	

CH 440.000



WATERS BOULEVARD CONTROL LINE
X = 722550.028
Y = 7654140.427
Z = 7.895m

DATUM 4.000

DESIGN LEVEL	7.728	7.790	7.895	7.790	7.728	7.688	7.838	7.865	7.895	
EXISTING LEVEL	7.169	7.161	7.147	7.133	7.125	7.119	7.117	7.100	7.081	
OFFSET	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000	

CH 430.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No 20.01.25

RPEQ SIGNATURE		DATE
DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

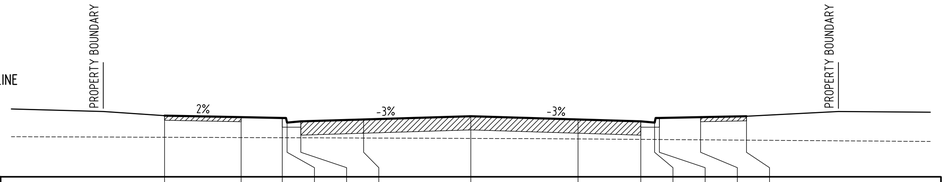
WATERS BOULEVARD - CONTROL LINE
CROSS SECTIONS
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C141
REV: 1

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C141.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

WATERS BOULEVARD CONTROL LINE
X = 722480.837
Y = 7654151.032
Z = 7.977m

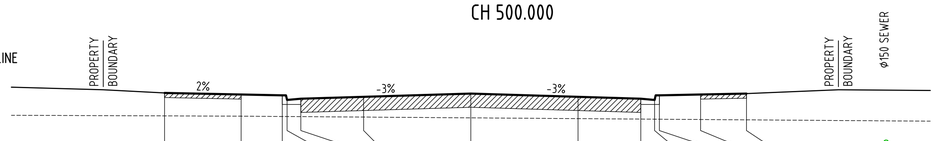


DATUM 6.000

DESIGN LEVEL	7.997	7.947	7.920	7.770	7.810	7.872	7.977	7.872	7.810	7.770	7.920	7.947	7.977
EXISTING LEVEL	7.291	7.282	7.277	7.276	7.274	7.267	7.254	7.237	7.222	7.219	7.218	7.208	7.197
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 500.000

WATERS BOULEVARD CONTROL LINE
X = 722490.718
Y = 7654149.495
Z = 8.007m

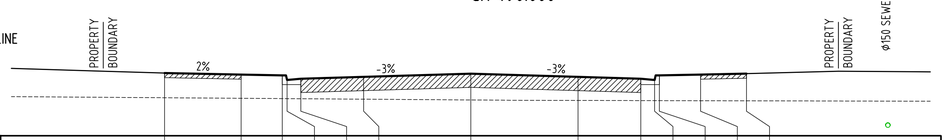


DATUM 6.000

DESIGN LEVEL	8.027	7.977	7.950	7.800	7.840	7.902	8.007	7.902	7.840	7.800	7.950	7.977	8.007
EXISTING LEVEL	7.279	7.269	7.259	7.258	7.255	7.240	7.215	7.189	7.175	7.171	7.170	7.161	7.150
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 490.000

WATERS BOULEVARD CONTROL LINE
X = 722500.599
Y = 7654147.958
Z = 8.026m

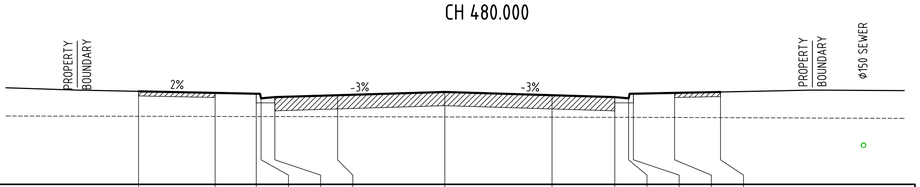


DATUM 6.000

DESIGN LEVEL	8.046	7.996	7.969	7.819	7.859	7.921	8.026	7.921	7.859	7.819	7.969	7.996	8.026
EXISTING LEVEL	7.240	7.222	7.212	7.211	7.208	7.193	7.167	7.151	7.147	7.146	7.146	7.143	7.139
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 480.000

WATERS BOULEVARD CONTROL LINE
X = 722510.480
Y = 7654146.420
Z = 8.015m

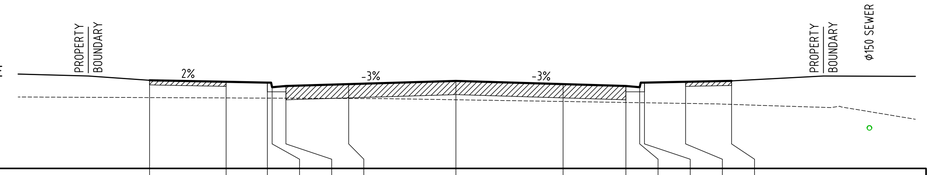


DATUM 5.000

DESIGN LEVEL	8.035	7.985	7.958	7.808	7.848	7.910	8.015	7.910	7.848	7.808	7.958	7.985	8.015
EXISTING LEVEL	7.221	7.216	7.213	7.213	7.212	7.207	7.200	7.192	7.188	7.187	7.187	7.183	7.176
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 470.000

WATERS BOULEVARD CONTROL LINE
X = 722441.312
Y = 7654157.180
Z = 7.857m

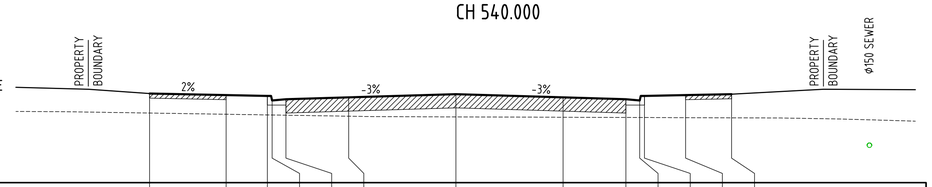


DATUM 5.000

DESIGN LEVEL	7.877	7.827	7.800	7.650	7.690	7.752	7.857	7.752	7.690	7.650	7.800	7.827	7.857
EXISTING LEVEL	7.312	7.301	7.295	7.295	7.293	7.283	7.241	7.186	7.153	7.146	7.143	7.122	7.090
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 540.000

WATERS BOULEVARD CONTROL LINE
X = 722451.193
Y = 7654155.643
Z = 7.887m

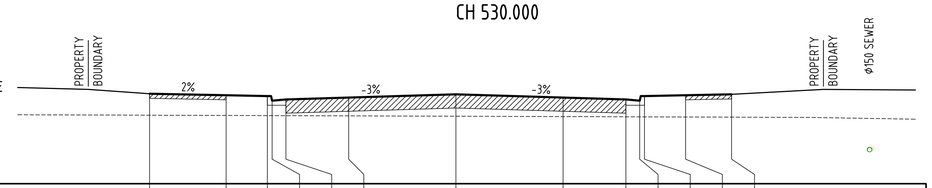


DATUM 5.000

DESIGN LEVEL	7.907	7.857	7.830	7.680	7.720	7.782	7.887	7.782	7.720	7.680	7.830	7.857	7.887
EXISTING LEVEL	7.271	7.231	7.210	7.207	7.200	7.167	7.145	7.133	7.126	7.125	7.124	7.120	7.115
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 530.000

WATERS BOULEVARD CONTROL LINE
X = 722461.074
Y = 7654154.106
Z = 7.917m

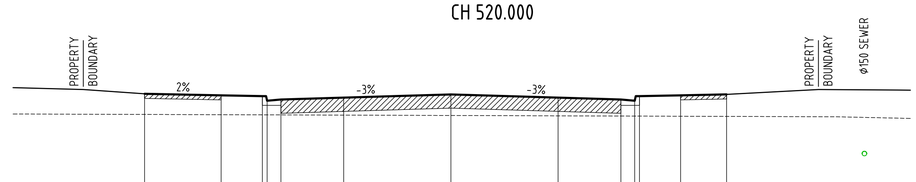


DATUM 5.000

DESIGN LEVEL	7.937	7.887	7.860	7.710	7.750	7.812	7.917	7.812	7.750	7.710	7.860	7.887	7.917
EXISTING LEVEL	7.236	7.227	7.223	7.222	7.221	7.214	7.202	7.190	7.183	7.182	7.181	7.177	7.172
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 520.000

WATERS BOULEVARD CONTROL LINE
X = 722470.956
Y = 7654152.569
Z = 7.947m



DATUM 4.000

DESIGN LEVEL	7.967	7.917	7.890	7.740	7.780	7.842	7.947	7.842	7.780	7.740	7.890	7.917	7.947
EXISTING LEVEL	7.293	7.285	7.280	7.280	7.278	7.271	7.259	7.248	7.241	7.239	7.239	7.234	7.229
OFFSET	-10.000	-7.500	-6.155	-6.000	-5.550	-3.500	0.000	3.500	5.550	6.000	6.155	7.500	9.000

CH 510.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No 20.01.25

RPEQ SIGNATURE	DATE

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

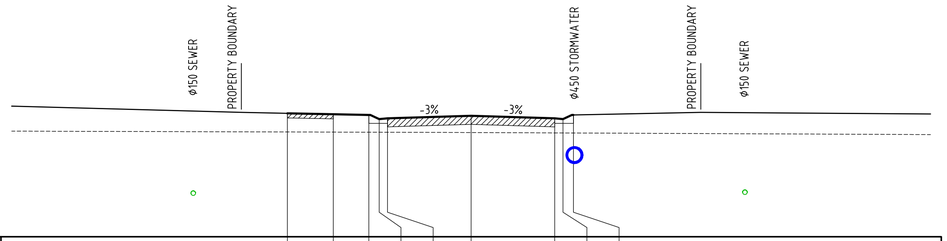
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

WATERS BOULEVARD - CONTROL LINE
CROSS SECTIONS
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C142
REV: 1

CAD FILENAME: C:\12dS\data\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C142.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

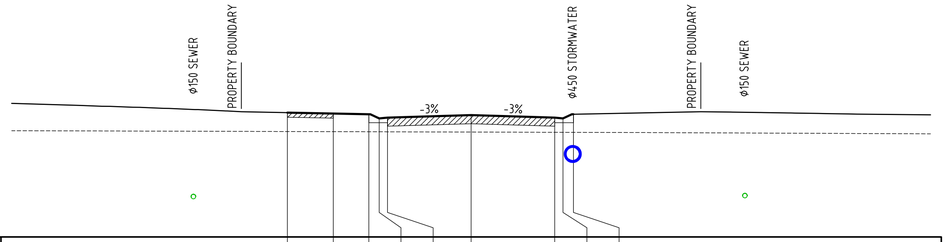


TAYLAHS WAY CONTROL LINE
X = 722532.568
Y = 7654006.441
Z = 7.947m

DATUM 4.000

DESIGN LEVEL	8.028	7.998	7.975	7.840	7.865	7.947	7.865	7.840	7.975	
EXISTING LEVEL	7.420	7.415	7.412	7.411	7.410	7.401	7.389	7.387	7.386	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 30.000

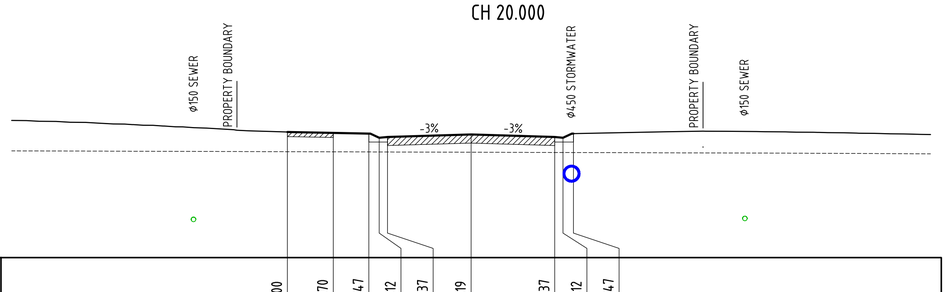


TAYLAHS WAY CONTROL LINE
X = 722532.587
Y = 7653996.441
Z = 7.977m

DATUM 4.000

DESIGN LEVEL	8.058	8.028	8.005	7.870	7.895	7.977	7.895	7.870	8.005	
EXISTING LEVEL	7.442	7.437	7.434	7.433	7.432	7.424	7.416	7.415	7.414	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 20.000

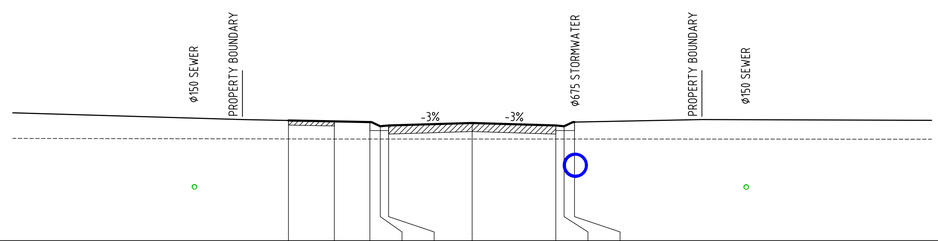


TAYLAHS WAY CONTROL LINE
X = 722532.601
Y = 7653989.441
Z = 8.019m

DATUM 4.000

DESIGN LEVEL	8.100	8.070	8.047	7.912	7.937	8.019	7.937	7.912	8.047	
EXISTING LEVEL	7.457	7.453	7.449	7.448	7.448	7.440	7.431	7.431	7.430	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 13.000

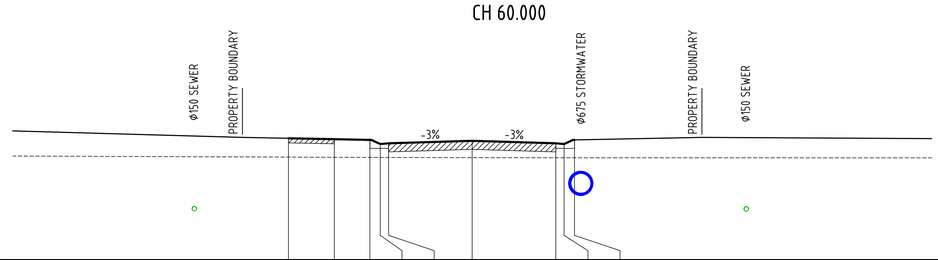


TAYLAHS WAY CONTROL LINE
X = 722535.311
Y = 7654036.259
Z = 7.857m

DATUM 4.000

DESIGN LEVEL	7.938	7.908	7.885	7.750	7.775	7.857	7.775	7.750	7.885	
EXISTING LEVEL	7.336	7.334	7.334	7.334	7.334	7.333	7.333	7.333	7.333	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 60.000

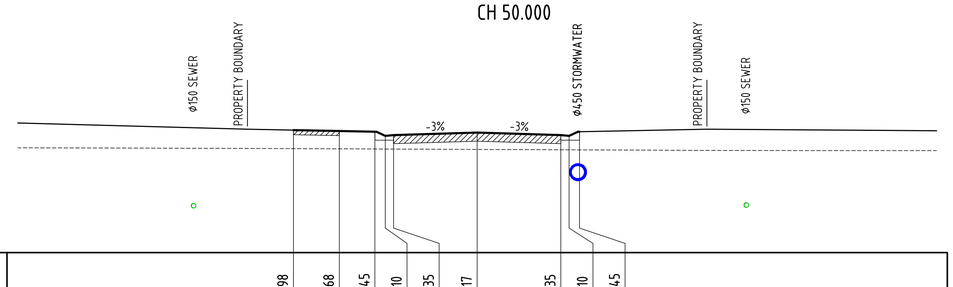


TAYLAHS WAY CONTROL LINE
X = 722533.774
Y = 7654026.377
Z = 7.887m

DATUM 4.000

DESIGN LEVEL	7.968	7.938	7.915	7.780	7.805	7.887	7.805	7.780	7.915	
EXISTING LEVEL	7.355	7.349	7.344	7.343	7.343	7.338	7.333	7.333	7.332	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 50.000



TAYLAHS WAY CONTROL LINE
X = 722532.717
Y = 7654016.438
Z = 7.917m

DATUM 4.000

DESIGN LEVEL	7.998	7.968	7.945	7.810	7.835	7.917	7.835	7.810	7.945	
EXISTING LEVEL	7.394	7.387	7.382	7.381	7.380	7.368	7.356	7.355	7.354	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 40.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No 20.01.25

RPEQ SIGNATURE		DATE
DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

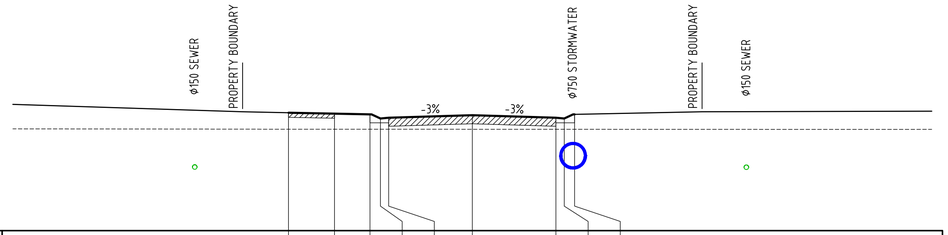
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

TAYAHS WAY - CONTROL LINE
CROSS SECTIONS
(SHEET 1 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C151
REV: 1

CAD FILENAME: C:\12d5\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C151.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

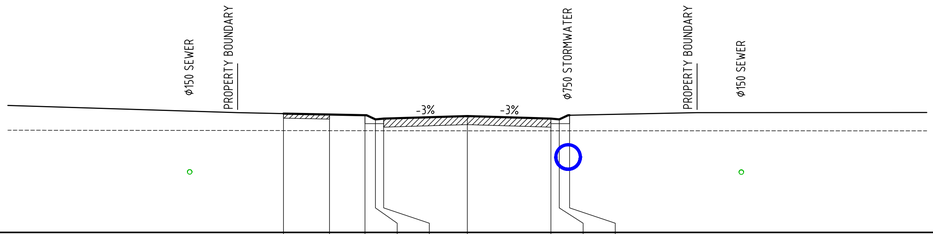


TAYLAHS WAY CONTROL LINE
X = 722539.922
Y = 7654065.902
Z = 7.767m

DATUM 4.000

DESIGN LEVEL	7.848	7.818	7.795	7.660	7.685	7.767	7.685	7.660	7.795	
EXISTING LEVEL	7.310	7.310	7.310	7.310	7.310	7.309	7.307	7.307	7.307	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 90.000

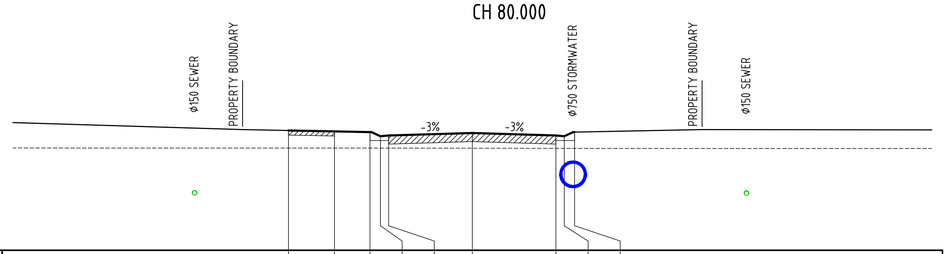


TAYLAHS WAY CONTROL LINE
X = 722538.385
Y = 7654056.021
Z = 7.797m

DATUM 4.000

DESIGN LEVEL	7.878	7.848	7.825	7.690	7.715	7.797	7.715	7.690	7.825	
EXISTING LEVEL	7.324	7.322	7.320	7.320	7.319	7.316	7.316	7.316	7.316	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 80.000

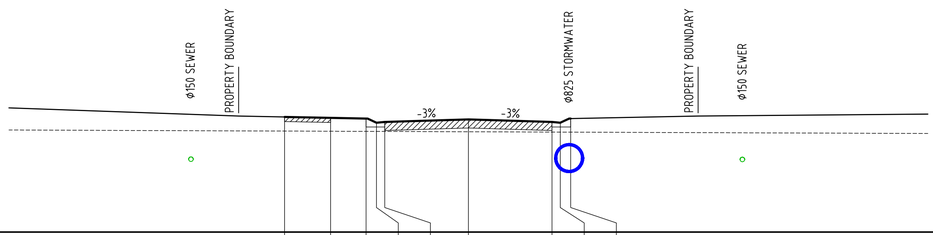


TAYLAHS WAY CONTROL LINE
X = 722536.848
Y = 7654046.140
Z = 7.827m

DATUM 4.000

DESIGN LEVEL	7.908	7.878	7.855	7.720	7.745	7.827	7.745	7.720	7.855	
EXISTING LEVEL	7.335	7.335	7.334	7.334	7.334	7.330	7.326	7.326	7.325	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 70.000

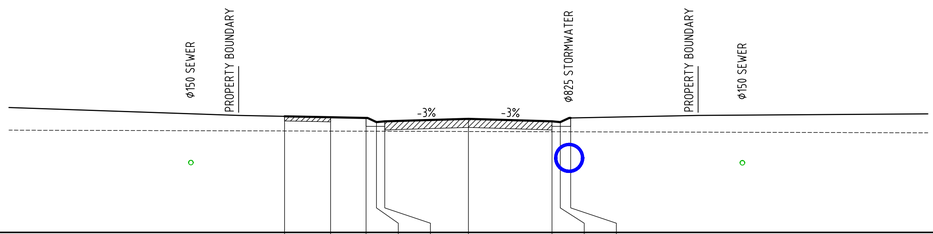


TAYLAHS WAY CONTROL LINE
X = 722544.533
Y = 7654095.546
Z = 7.677m

DATUM 4.000

DESIGN LEVEL	7.758	7.728	7.705	7.570	7.595	7.677	7.595	7.570	7.705	
EXISTING LEVEL	7.297	7.291	7.287	7.286	7.285	7.274	7.264	7.263	7.262	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 120.000

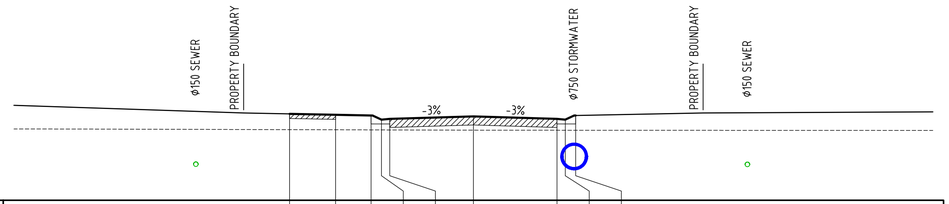


TAYLAHS WAY CONTROL LINE
X = 722542.996
Y = 7654085.664
Z = 7.707m

DATUM 4.000

DESIGN LEVEL	7.788	7.758	7.735	7.600	7.625	7.707	7.625	7.600	7.735	
EXISTING LEVEL	7.311	7.307	7.303	7.302	7.302	7.294	7.286	7.285	7.284	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 110.000



TAYLAHS WAY CONTROL LINE
X = 722541.459
Y = 7654075.783
Z = 7.737m

DATUM 5.000

DESIGN LEVEL	7.818	7.788	7.765	7.630	7.655	7.737	7.655	7.630	7.765	
EXISTING LEVEL	7.304	7.300	7.296	7.295	7.295	7.287	7.284	7.284	7.284	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 100.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 — 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

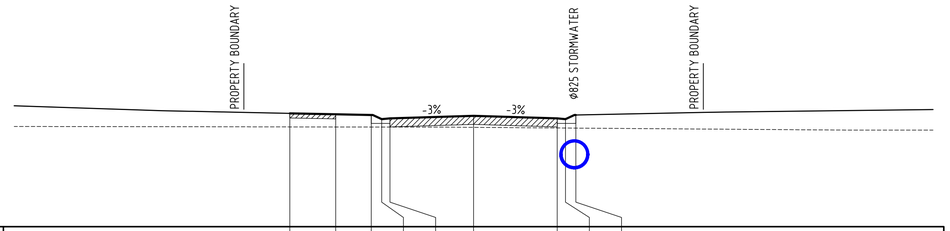
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

TAYAHS WAY - CONTROL LINE
CROSS SECTIONS
(SHEET 2 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C152
REV: 1

CAD FILENAME: C:\12ASVdata\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C152.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

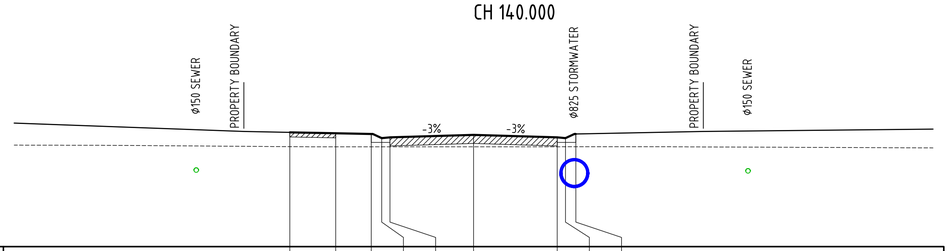


TAYLAHS WAY CONTROL LINE
X = 722547.607
Y = 7654115.308
Z = 7.617m

DATUM 4.000

DESIGN LEVEL	7.698	7.668	7.645	7.510	7.535	7.617	7.535	7.510	7.645	
EXISTING LEVEL	7.256	7.254	7.252	7.251	7.251	7.241	7.221	7.219	7.217	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 140.000



TAYLAHS WAY CONTROL LINE
X = 722546.070
Y = 7654105.427
Z = 7.647m

DATUM 4.000

DESIGN LEVEL	7.728	7.698	7.675	7.540	7.565	7.647	7.565	7.540	7.675	
EXISTING LEVEL	7.262	7.256	7.257	7.257	7.257	7.257	7.258	7.258	7.258	
OFFSET	-6.000	-4.500	-3.340	-3.000	-2.730	0.000	2.730	3.000	3.340	

CH 130.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No 20.01.25
RPEQ SIGNATURE DATE

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

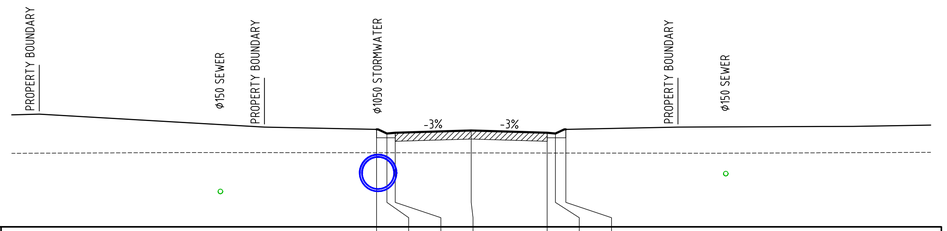
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

TAYAHS WAY - CONTROL LINE
CROSS SECTIONS
(SHEET 3 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C153
REV: 1

CAD FILENAME: C:\12d\data\DykmanSYN\2319 - The Waters Ooralea_2381\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C153.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

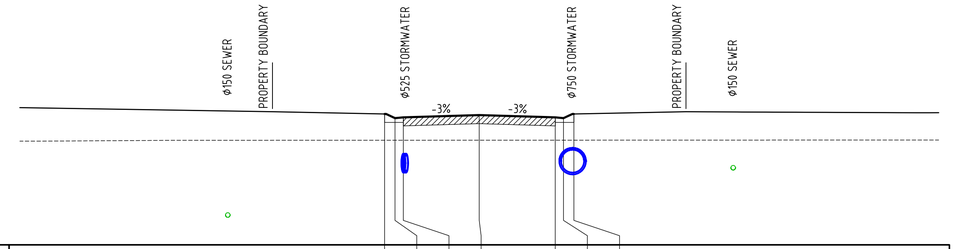


DAISY CRESCENT CONTROL LINE
X = 722451.003
Y = 7654106.398
Z = 8.147m

DATUM 5.000

DESIGN LEVEL	8.183	8.048	8.073	8.147	8.073	8.048	8.183	
EXISTING LEVEL	7.419	7.418	7.418	7.414	7.411	7.410	7.410	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 190.000

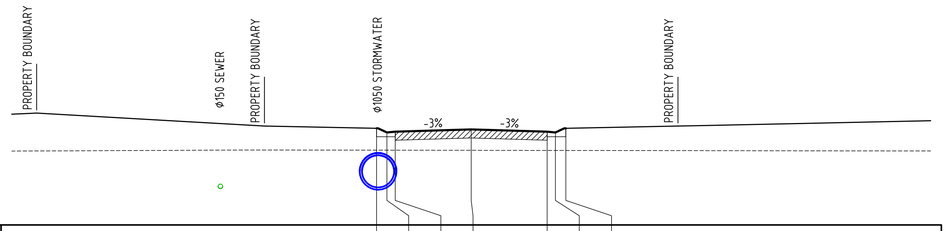


DAISY CRESCENT CONTROL LINE
X = 722467.258
Y = 7654086.929
Z = 8.237m

DATUM 4.000

DESIGN LEVEL	8.273	8.138	8.163	8.237	8.163	8.138	8.273	
EXISTING LEVEL	7.416	7.416	7.416	7.417	7.418	7.418	7.418	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 220.000

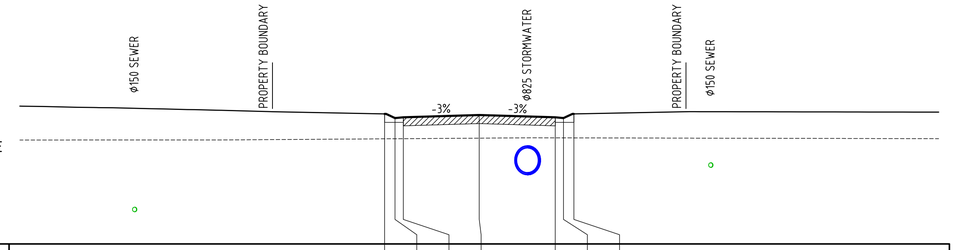


DAISY CRESCENT CONTROL LINE
X = 722441.122
Y = 7654107.935
Z = 8.117m

DATUM 5.000

DESIGN LEVEL	8.153	8.018	8.043	8.117	8.043	8.018	8.153	
EXISTING LEVEL	7.439	7.439	7.438	7.435	7.431	7.431	7.430	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 180.000

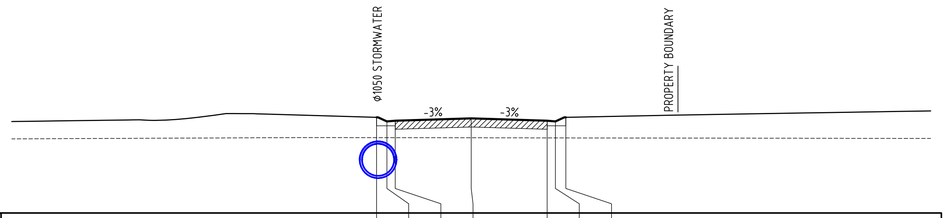


DAISY CRESCENT CONTROL LINE
X = 722467.115
Y = 7654096.789
Z = 8.207m

DATUM 4.000

DESIGN LEVEL	8.243	8.108	8.133	8.207	8.133	8.108	8.243	
EXISTING LEVEL	7.430	7.432	7.434	7.452	7.462	7.461	7.461	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 210.000

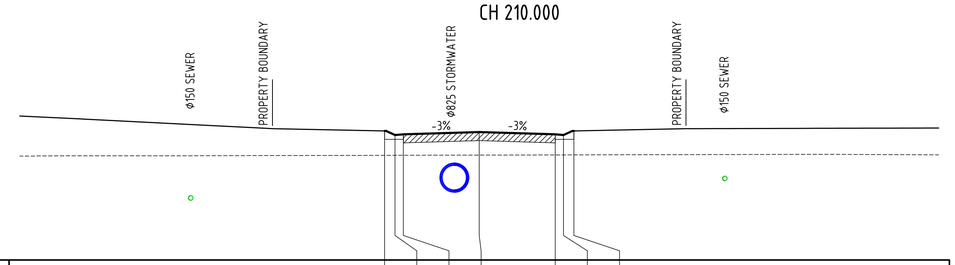


DAISY CRESCENT CONTROL LINE
X = 722431.241
Y = 7654109.472
Z = 8.087m

DATUM 5.000

DESIGN LEVEL	8.123	7.988	8.013	8.087	8.013	7.988	8.123	
EXISTING LEVEL	7.459	7.459	7.458	7.455	7.451	7.451	7.450	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 170.000



DAISY CRESCENT CONTROL LINE
X = 722460.694
Y = 7654104.157
Z = 8.177m

DATUM 4.000

DESIGN LEVEL	8.213	8.078	8.103	8.177	8.103	8.078	8.213	
EXISTING LEVEL	7.417	7.417	7.418	7.424	7.429	7.430	7.431	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 200.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No
RPEQ SIGNATURE DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

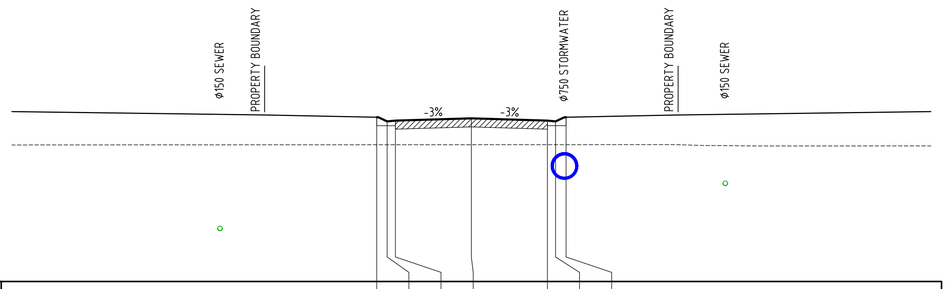
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

DAISY CRESCENT - CONTROL LINE
CROSS SECTIONS
(SHEET 1 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C161
REV: 1

CAD FILENAME: C:\12d5\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C161.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

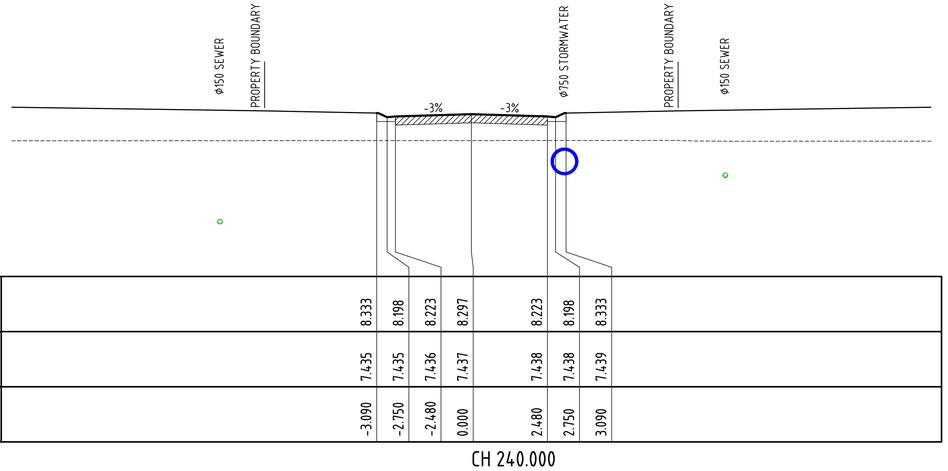


DAISY CRESCENT CONTROL LINE
X = 722462.647
Y = 7654057.285
Z = 8.327m

DATUM 3.000

DESIGN LEVEL	8.363	8.228	8.253	8.327	8.253	8.228	8.363	
EXISTING LEVEL	7.464	7.464	7.465	7.466	7.467	7.467	7.468	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 250.000

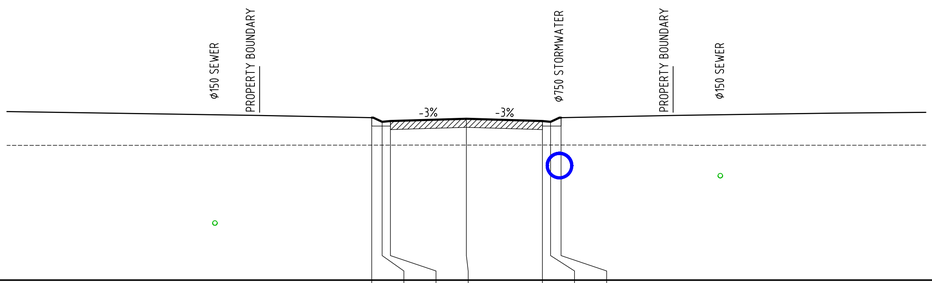


DAISY CRESCENT CONTROL LINE
X = 722464.184
Y = 7654067.166
Z = 8.297m

DATUM 3.000

DESIGN LEVEL	8.333	8.198	8.223	8.297	8.223	8.198	8.333	
EXISTING LEVEL	7.435	7.435	7.436	7.437	7.438	7.438	7.439	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 240.000

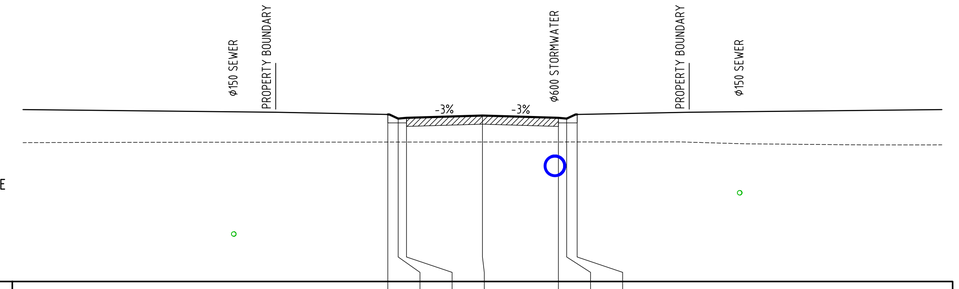


DAISY CRESCENT CONTROL LINE
X = 722465.721
Y = 7654077.047
Z = 8.267m

DATUM 3.000

DESIGN LEVEL	8.303	8.168	8.193	8.267	8.193	8.168	8.303	
EXISTING LEVEL	7.406	7.406	7.406	7.408	7.409	7.409	7.409	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 230.000

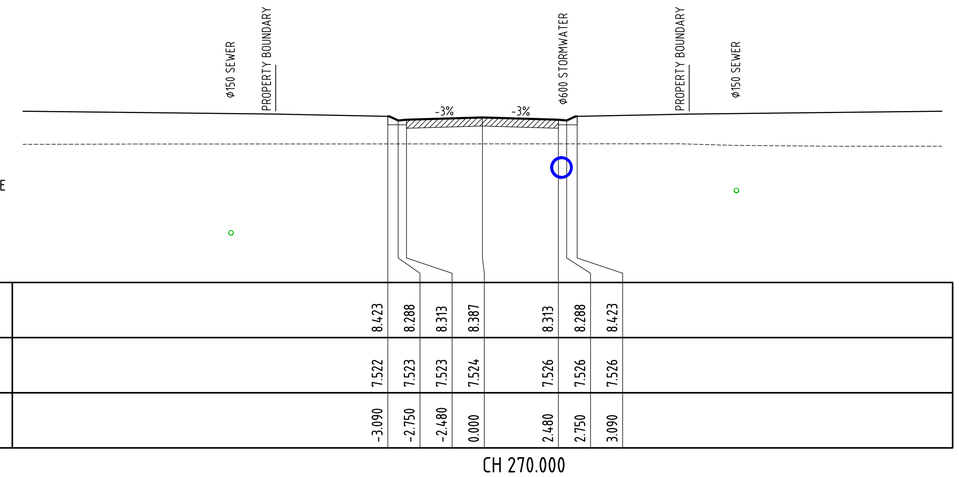


DAISY CRESCENT CONTROL LINE
X = 722458.135
Y = 7654027.628
Z = 8.417m

DATUM 3.000

DESIGN LEVEL	8.453	8.318	8.343	8.417	8.343	8.318	8.453	
EXISTING LEVEL	7.551	7.551	7.552	7.553	7.555	7.555	7.555	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 280.000

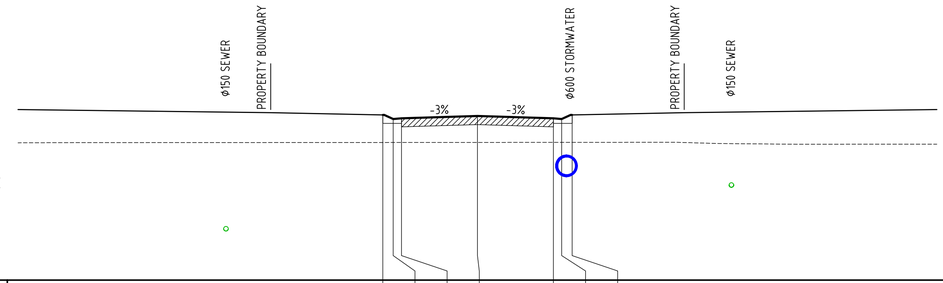


DAISY CRESCENT CONTROL LINE
X = 722459.573
Y = 7654037.523
Z = 8.387m

DATUM 3.000

DESIGN LEVEL	8.423	8.288	8.313	8.387	8.313	8.288	8.423	
EXISTING LEVEL	7.522	7.523	7.523	7.524	7.526	7.526	7.526	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 270.000



DAISY CRESCENT CONTROL LINE
X = 722461.110
Y = 7654047.404
Z = 8.357m

DATUM 3.000

DESIGN LEVEL	8.393	8.258	8.283	8.357	8.283	8.258	8.393	
EXISTING LEVEL	7.493	7.494	7.494	7.495	7.496	7.497	7.497	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 260.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No 20.01.25

RPEQ SIGNATURE		DATE
DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

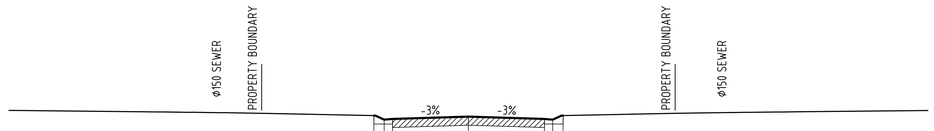
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

DAISY CRESCENT - CONTROL LINE
CROSS SECTIONS
(SHEET 2 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C162
REV: 1

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C162.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

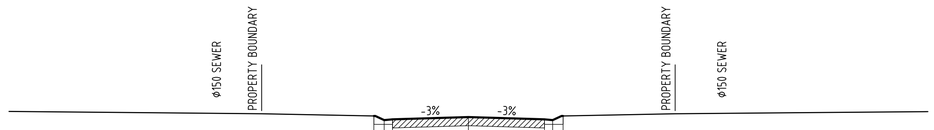


DAISY CRESCENT CONTROL LINE
X = 722457.569
Y = 7653997.650
Z = 8.507m

DATUM 3.000

DESIGN LEVEL	8.543	8.408	8.433	8.507	8.433	8.408	8.543	
EXISTING LEVEL	7.633	7.634	7.635	7.637	7.640	7.640	7.640	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 310.000

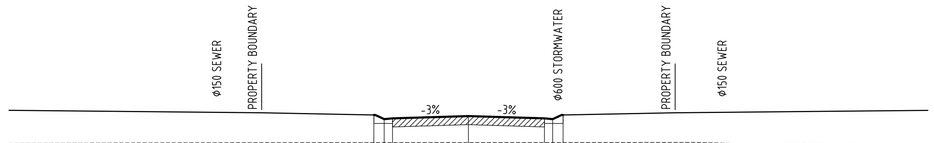


DAISY CRESCENT CONTROL LINE
X = 722457.551
Y = 7654007.650
Z = 8.477m

DATUM 3.000

DESIGN LEVEL	8.513	8.378	8.403	8.477	8.403	8.378	8.513	
EXISTING LEVEL	7.606	7.607	7.607	7.610	7.612	7.612	7.613	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 300.000



DAISY CRESCENT CONTROL LINE
X = 722457.538
Y = 7654017.650
Z = 8.447m

DATUM 3.000

DESIGN LEVEL	8.483	8.348	8.373	8.447	8.373	8.348	8.483	
EXISTING LEVEL	7.579	7.579	7.579	7.582	7.584	7.584	7.585	
OFFSET	-3.090	-2.750	-2.480	0.000	2.480	2.750	3.090	

CH 290.000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:100 0 1 2 3 4m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL
RPEQ SIGNATURE
7198 RPEQ No
20.01.25 DATE

DRAWN	DESIGNED	CHECKED
J.A.	A.D.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

DAISY CRESCENT - CONTROL LINE
CROSS SECTIONS
(SHEET 3 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C163
REV: 1

CAD FILENAME: C:\12dS\data\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 Active\DRG\2319-STG7-C163.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_CROSS_SECTIONS.dwg

ROOFWATER NOTES

1. GALV. STEEL KERB ADAPTORS (AS PER MRC STD DRG A3-3871) SHALL BE INSTALLED IN THE NEW KERB AND CHANNEL. ADAPTORS ARE TO BE PLACED IN THE KERB 1.0m INSIDE THE BOUNDARY ON EACH SIDE OF THE ALLOTMENT U.N.O. NEW CONNECTIONS ARE DEPICTED THUS

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

STORMWATER NOTES

1. STORMWATER PIT SETOUT COORDINATES FOR GRATED KERB INLET TYPE PITS ARE FOR THE MID-POINT OF THE PIT GRATE AT THE LIP OF KERB AND CHANNEL.
2. PIPE LENGTHS ARE MEASURED FROM INSIDE PIT WALL TO INSIDE PIT WALL (NOT CENTRE OF PIT TO CENTRE OF PIT)
3. STORMWATER PIT SETOUT COORDINATES FOR STORMWATER MANHOLE STRUCTURES ARE FOR THE CENTRE OF THE PIT CHAMBER.
4. REFER TO PLANS C211 TO C213 FOR STORMWATER PIT LID LEVEL SETOUT LOCATIONS.
5. FOR STORMWATER PIPE BEDDING AND BACKFILL DETAILS REFER TO THE SPECIFICATION.
6. PIPE CLASSES NOMINATED ARE BASED ON 'IN SERVICE' PIPE LOADS ONLY AND DO NOT ACCOUNT FOR CONSTRUCTION LOADS. CONTRACTOR TO BE AWARE OF THIS AND TAKE ADEQUATE PRECAUTIONS DURING CONSTRUCTION TO ENSURE PIPE INTEGRITY IS RETAINED AFTER COMPLETION OF THE WORKS.
7. ALL SUBSOIL DRAINAGE PIPES BELOW PAVEMENT AREAS ARE TO BE 100Ø PVC (PERFORATED). IN ACCORDANCE WITH MRC STANDARD DRAWING A3-00867 TYPE C.
8. ALL HEADWALLS TO HAVE CAST IN-SITU CUTOFF WALL. REFER TO TMR STD DRG 1243 FOR DETAILS.

LEGEND:

PROPOSED SERVICES

- OE — PROPOSED OVERHEAD ELECTRICAL LINE
- E — PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PP — PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- S — PROPOSED GRAVITY SEWER & MANHOLE
- R — PROPOSED RISING SEWER MAIN
- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER HEADWALL
- 8/1 — PROPOSED STORMWATER STRUCTURE ID
- W — PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- PROPOSED POTABLE WATER END CAP
- PROPOSED POTABLE WATER METER
- PROPOSED POTABLE WATER GATE VALVE
- PROPOSED FIRE HYDRANT

LEGEND:

PROPOSED SERVICES

- PROPOSED WATER SERVICE
- OF — PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- T — PROPOSED TELECOMMUNICATION CABLE & PIT
- K — PROPOSED KERB ADAPTER
- G — PROPOSED ROOFWATER CONNECTION TO GULLY PIT

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- 2.0 — PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT

LEGEND:

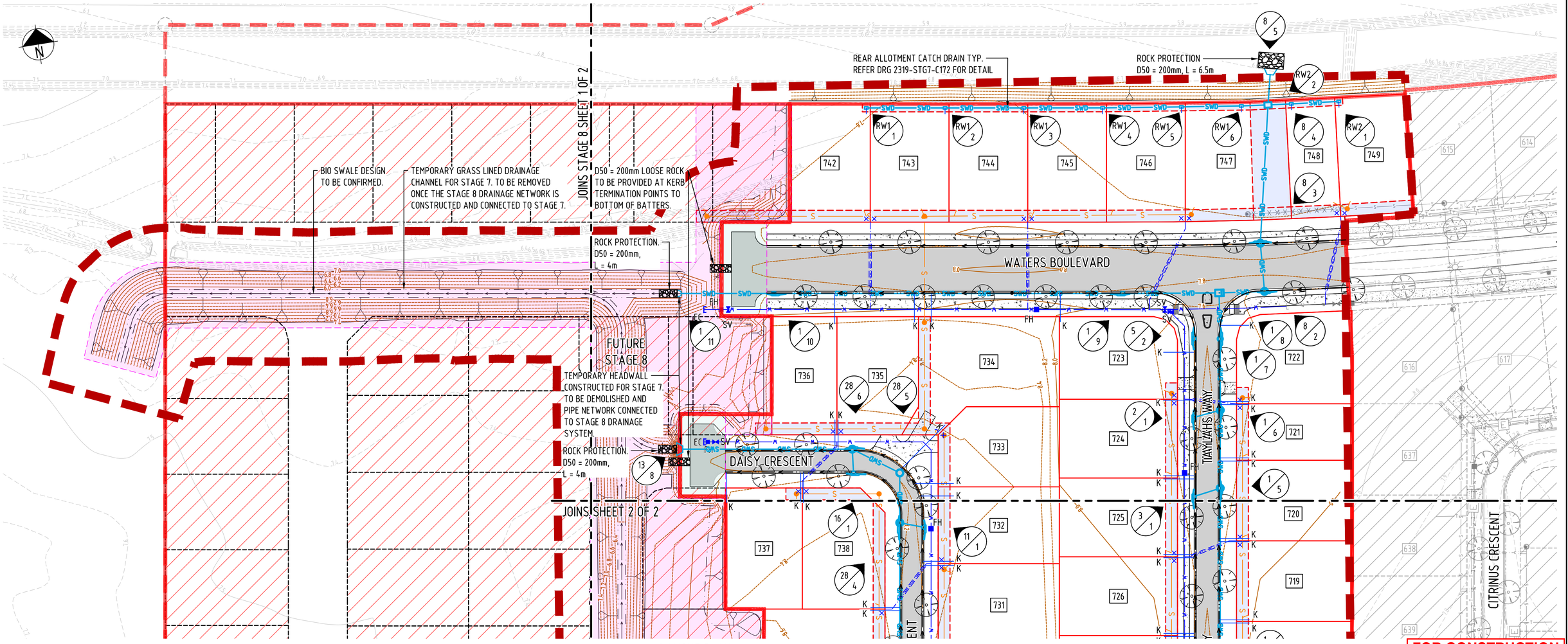
GENERAL

- PROPOSED SUBSOIL DRAIN & FLUSH POINT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ROCK SCOUR PROTECTION
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY

LEGEND:

EXISTING FEATURES

- E — EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- S — EXISTING GRAVITY SEWER & MANHOLE
- SWD — EXISTING STORMWATER PIPE & MANHOLE
- W — EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- T — EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING LOT BOUNDARY
- 2.000 — EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA



LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	ISSUE FOR CONSTRUCTION	28.01.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — 7198 RPEQ No — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	N.G.	M.D.

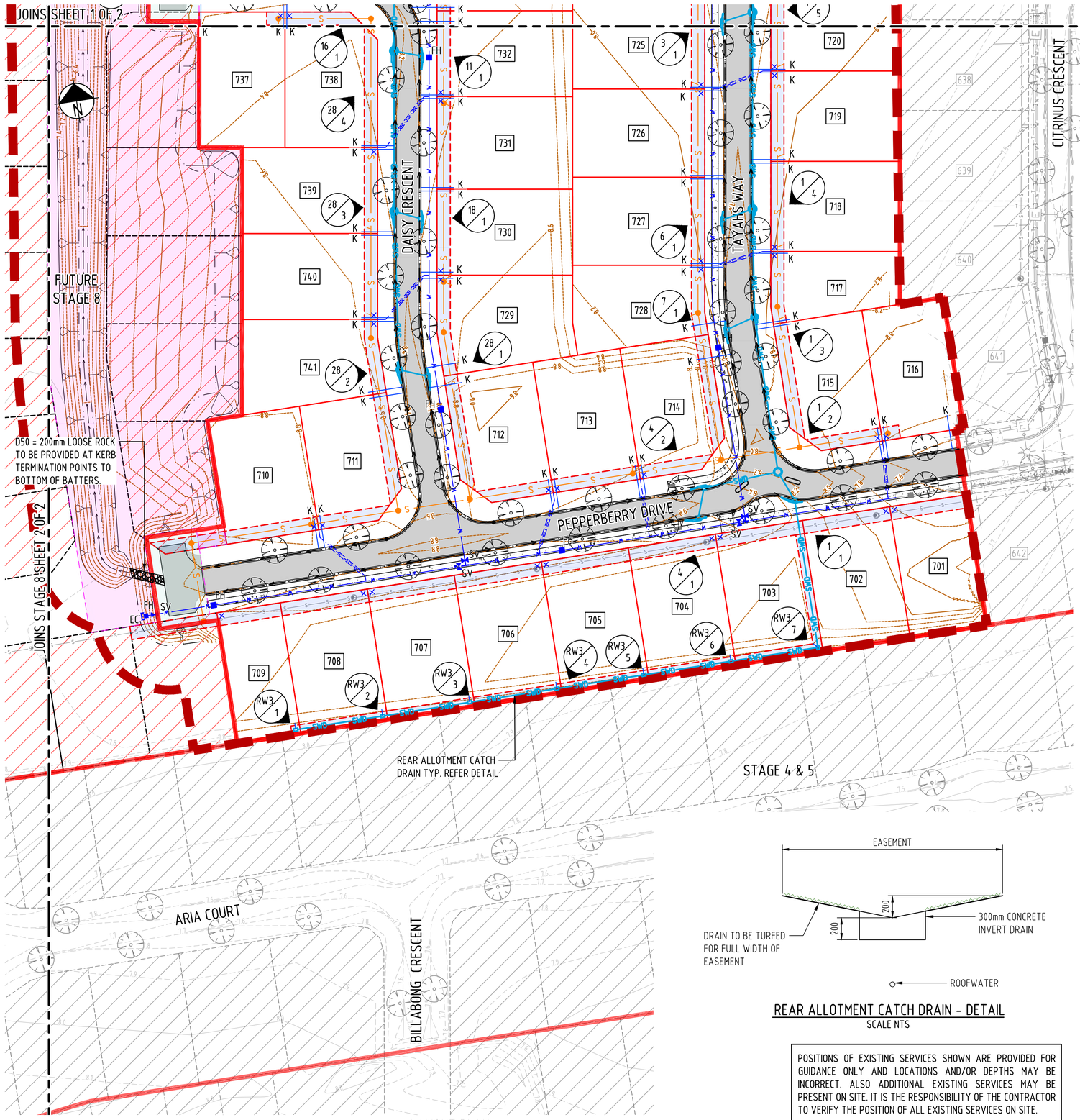
OORALEA WATERS STAGE 7 AT OORALEA, BAKERS CREEK PROPERTY DEVELOPMENT

STORMWATER LAYOUT PLAN (SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C171
REV: 2

CAD FILENAME: C:\12dS\data\DykmanS\YNY\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C171.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_LAYOUT_NOTES_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_STORMWATER_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_STORMWATER_DRAINAGE_PLAN.dwg ; X_2319_DC_STG 7



LAYOUT PLAN
SCALE 1:500

REAR ALLOTMENT CATCH DRAIN - DETAIL
SCALE NTS

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA

LEGEND:

PROPOSED SERVICES

- PROPOSED OVERHEAD ELECTRICAL LINE
- PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- PROPOSED GRAVITY SEWER & MANHOLE
- PROPOSED RISING SEWER MAIN
- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER STRUCTURE ID
- PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- PROPOSED POTABLE WATER END CAP
- PROPOSED POTABLE WATER METER
- PROPOSED POTABLE WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER SERVICE
- PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- PROPOSED TELECOMMUNICATION CABLE & PIT
- PROPOSED KERB ADAPTER
- PROPOSED ROOFWATER CONNECTION TO GULLY PIT

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED SUBSOIL DRAIN & FLUSH POINT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ROCK SCOUR PROTECTION
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY

GENERAL NOTES:

1. ALL WORKS THAT ARE INCLUDED ON THESE ENGINEERING PLANS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATION, AND TO THE SATISFACTION OF THE PROJECT SUPERINTENDENT.
2. NO WORK ASSOCIATED WITH THESE DRAWINGS IS TO COMMENCE ON SITE UNTIL APPROVAL IS PROVIDED FROM THE LOCAL AUTHORITY, AND THE CONTRACTOR RECEIVES WRITTEN APPROVAL FROM THE SUPERINTENDENT. A PRE-START MEETING MUST BE HELD PRIOR TO COMMENCEMENT OF WORKS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE SERVICES AUTHORITIES (INCLUDING BUT NOT LIMITED TO ERGON ENERGY, TELSTRA, NBN AND THE LOCAL AUTHORITY) AND LOCATE EXISTING UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION WORKS COMMENCING ON SITE.
4. ANY DAMAGE CAUSED TO EXISTING INFRASTRUCTURE AS A RESULT OF CONSTRUCTION WORKS IS TO BE REPAIRED IMMEDIATELY.
5. ALL SUBSOIL DRAINAGE PIPES BELOW PAVEMENT AREAS ARE TO BE 100Ø PVC (PERFORATED). IN ACCORDANCE WITH MRC STANDARD DRAWING A3-00867 TYPE C.

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	ISSUE FOR CONSTRUCTION	28.01.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	N.G.	M.D.

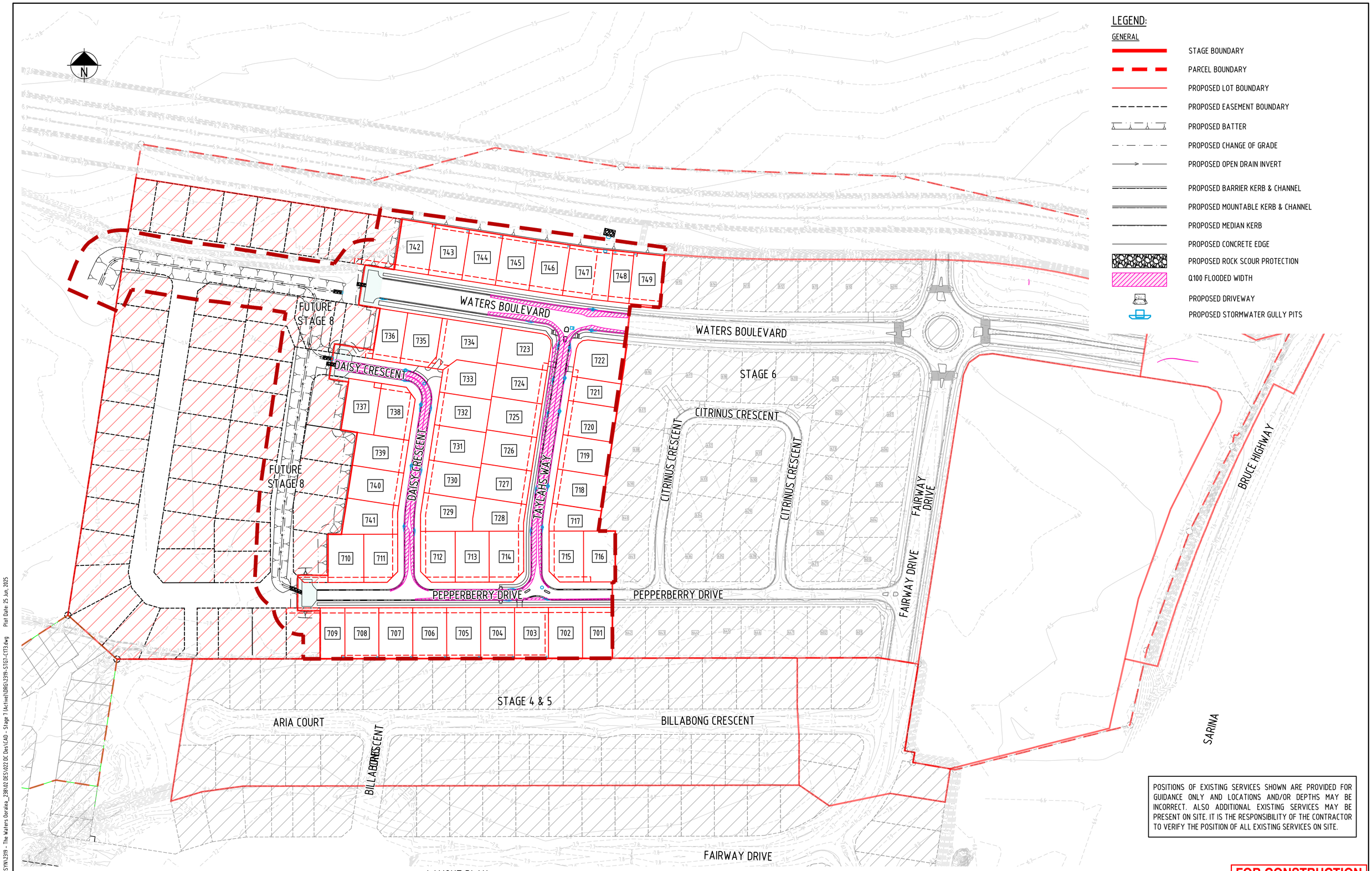
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C172
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C172.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_STORMWATER_LAYOUT_NOTES_LEGEND_SHEET 2.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_STORMWATER_DRAINAGE_PLAN.dwg ; X_2319_DC_STG 7



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LAYOUT PLAN
SCALE 1:1000

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:1000 — 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A.	N.G.	M.D.

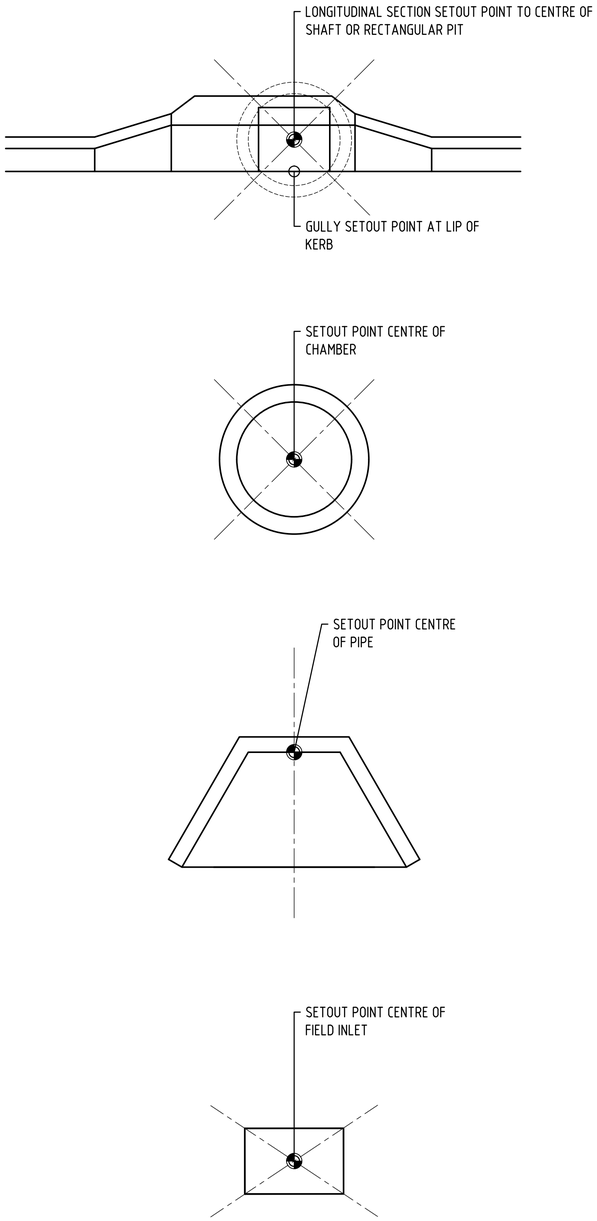
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER
Q100 FLOODED WIDTH
LAYOUT PLAN

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C173
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 RC Des\CAD - Stage 7\Active\DRG\2319-STG7-C173.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_PROPERTY_SETBACK.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_STORMWATER_DRAINAGE_PLAN.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7



DRAINAGE STRUCTURE SETOUT DETAILS

NOT TO SCALE

FOR CONSTRUCTION

25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL

RPEQ SIGNATURE: 7198 RPEQ No

DATE: 20.01.25

DRAWN	DESIGNED	CHECKED
I.F.	N.G.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER STRUCTURE
SETOUT DETAILS

ISSUE: ISSUE FOR CONSTRUCTION

PROJECT No: 2319

DRAWING No: 2319-STG7-C181

REV: 1

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C181.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_STRUCTURE_DETAILS.dwg

STRUCTURE NAME	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11
STRUCTURE DESCRIPTION	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1050ø ACCESS CHAMBER MOUNTABLE K&C	1500ø STORMWATER ACESS CHAMBER	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1200ø ACCESS CHAMBER MOUNTABLE K&C	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1500ø ACCESS CHAMBER MOUNTABLE K&C	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350ø ACCESS CHAMBER MOUNTABLE K&C	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350ø ACCESS CHAMBER MOUNTABLE K&C	LIL (SAG) GULLY PIT "M" LINTEL OVER 1200ø ACCESS CHAMBER MOUNTABLE K&C	CUSTOM CONCRETE MANHOLE AND PIT REFER DWG 2319-STG7-C214	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C		LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	CONCRETE HEADWALL
PIPE SIZE (mm)	450	525	525	525	600	600	600	750	750		750
PIPE CLASS	3	3	3	3	3	3	3	3	3		3
PIPE GRADE (%)	0.44%	0.30%	0.30%	0.30%	0.30%	0.30%	0.29%	0.10%	0.10%		0.10%
PIPE SLOPE (1 in X)	227.12	332.14	335.54	334.22	333.43	335.35	343.59	981.66	1006.64		984.73
FULL PIPE VELOCITY (m/s)	0.60	0.56	0.65	0.86	0.88	1.06	1.50	0.96	0.99		1.02
PART FULL VELOCITY (m/s)	1.19	1.10	1.13	1.21	1.30	1.34	1.50	0.96	0.99		1.02
DATUM RL	-5.000										
WATER LEVEL IN STRUCTURE	7.531	7.495	7.437	7.387	7.259	7.176	7.096	6.883	6.723	6.528	6.365
PIPE FLOW (CUMECS)		0.096	0.122	0.141	0.187	0.250	0.301	0.425	0.424	0.437	0.448
PIPE CAPACITY AT GRADE (CUMECS)		0.189	0.236	0.235	0.235	0.336	0.335	0.331	0.355	0.351	0.355
HYDRAULIC GRADE LEVEL	7.499	7.491	7.461	7.433	7.407	7.381	7.335	7.251	7.202	7.169	7.113	7.070	6.905	6.855	6.753	6.720	6.693	6.528	6.505	6.365	6.365
DEPTH TO INVERT	1.571	1.601	1.601	1.505	1.505	1.504	1.504	1.503	1.503	1.503	1.503	1.503	1.503	1.549	1.549	1.833	1.833	1.827	1.827	1.789	1.789
INVERT LEVEL OF DRAIN	6.580	6.547	6.547	6.440	6.440	6.367	6.367	6.233	6.233	6.174	6.174	6.120	6.120	6.090	6.090	6.065	6.065	5.977	5.977	5.953	5.953
DESIGN SURFACE LEVEL	8.162	8.148	7.835	7.761	7.627	7.567	7.513	7.639	7.898	7.804	7.742
SETOUT COORDINATES	E 722538.622 N 7653973.753	E 722535.846 N 7653980.715	E 722536.001 N 7654016.254	E 722539.304 N 7654040.524	E 722546.167 N 7654084.645	E 722549.217 N 7654104.215	E 722552.002 N 7654122.108	E 722553.323 N 7654132.331	E 722529.292 N 7654137.310	E 722441.759 N 7654150.921	E 722418.406 N 7654154.552
RUNNING CHAINAGE	-87.239	7.495	35.539	24.494	44.651	24.941	19.806	18.109	10.308	24.542	88.585	186.289	23.634	209.923
		-79.744	-44.205	-19.711		44.747	62.855	73.163	97.705					

LINE 1

STRUCTURE NAME	2-1	1-6
STRUCTURE DESCRIPTION	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	REFER TO LINE 1 FOR PIT DETAIL
PIPE SIZE (mm)	450	
PIPE CLASS	3	
PIPE GRADE (%)	0.29%	
PIPE SLOPE (1 in X)	341.60	
FULL PIPE VELOCITY (m/s)	0.19	
PART FULL VELOCITY (m/s)	0.76	
DATUM RL	-5.000	
WATER LEVEL IN STRUCTURE	7.182	7.176
PIPE FLOW (CUMECS)	0.031	
PIPE CAPACITY AT GRADE (CUMECS)	0.154	
HYDRAULIC GRADE LEVEL	7.170	7.169	7.113
DEPTH TO INVERT	1.415	1.453	1.503
INVERT LEVEL OF DRAIN	6.244	6.224	6.174
DESIGN SURFACE LEVEL	7.573	7.567
SETOUT COORDINATES	E 722542.427 N 7654103.451	E 722549.217 N 7654104.215
RUNNING CHAINAGE	0.000	6.832
		6.832

LINE 2

STRUCTURE NAME	3-1	1-5
STRUCTURE DESCRIPTION	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	REFER TO LINE 1 FOR PIT DETAIL
PIPE SIZE (mm)	450	
PIPE CLASS	3	
PIPE GRADE (%)	0.31%	
PIPE SLOPE (1 in X)	319.69	
FULL PIPE VELOCITY (m/s)	0.24	
PART FULL VELOCITY (m/s)	0.83	
DATUM RL	-5.000	
WATER LEVEL IN STRUCTURE	7.272	7.259
PIPE FLOW (CUMECS)	0.038	
PIPE CAPACITY AT GRADE (CUMECS)	0.160	
HYDRAULIC GRADE LEVEL	7.253	7.251	7.202
DEPTH TO INVERT	1.412	1.453	1.503
INVERT LEVEL OF DRAIN	6.305	6.283	6.233
DESIGN SURFACE LEVEL	7.633	7.627
SETOUT COORDINATES	E 722539.363 N 7654083.587	E 722546.167 N 7654084.645
RUNNING CHAINAGE	0.000	6.905
		6.905

LINE 3

STRUCTURE NAME	4-1	4-2	1-2
STRUCTURE DESCRIPTION	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	REFER TO LINE 1 FOR PIT DETAIL
PIPE SIZE (mm)	375	375	
PIPE CLASS	3	3	
PIPE GRADE (%)	0.43%	0.41%	
PIPE SLOPE (1 in X)	232.65	245.51	
FULL PIPE VELOCITY (m/s)	0.05	0.24	
PART FULL VELOCITY (m/s)	0.54	0.83	
DATUM RL	-5.000		
WATER LEVEL IN STRUCTURE	7.510	7.508	7.495
PIPE FLOW (CUMECS)	0.006	0.027	
PIPE CAPACITY AT GRADE (CUMECS)	0.115	0.112	
HYDRAULIC GRADE LEVEL	7.508	7.508	7.495	7.491	7.461
DEPTH TO INVERT	1.716	1.718	1.738	1.348	1.601
INVERT LEVEL OF DRAIN	6.920	6.890	6.870	6.800	6.547
DESIGN SURFACE LEVEL	8.526	8.498	8.148
SETOUT COORDINATES	E 722516.375 N 7653973.120	E 722518.690 N 7653979.704	E 722535.846 N 7653980.715
RUNNING CHAINAGE	-6.980	6.980	17.186
		0.000	17.186

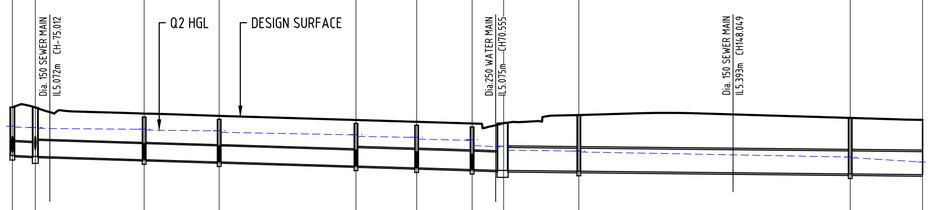
LINE 4

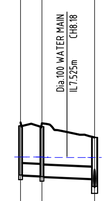
STRUCTURE NAME	5-2	1-7
STRUCTURE DESCRIPTION	LIL (SAG) GULLY PIT "M" LINTEL MOUNTABLE K&C	REFER TO LINE 1 FOR PIT DETAIL
PIPE SIZE (mm)	450	
PIPE CLASS	3	
PIPE GRADE (%)	0.61%	
PIPE SLOPE (1 in X)	164.88	
FULL PIPE VELOCITY (m/s)	0.27	
PART FULL VELOCITY (m/s)	1.08	
DATUM RL	-5.000	
WATER LEVEL IN STRUCTURE	7.096	7.096
PIPE FLOW (CUMECS)	0.042	
PIPE CAPACITY AT GRADE (CUMECS)	0.222	
HYDRAULIC GRADE LEVEL	7.071	7.070	6.905
DEPTH TO INVERT	1.420	1.483	1.503
INVERT LEVEL OF DRAIN	6.180	6.140	6.120
DESIGN SURFACE LEVEL	7.513	7.513
SETOUT COORDINATES	E 722545.495 N 7654123.182	E 722552.002 N 7654122.108
RUNNING CHAINAGE	-17.255	6.595
		-10.660

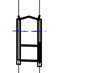
LINE 5

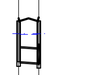
STRUCTURE NAME	6-1	1-4
STRUCTURE DESCRIPTION	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	REFER TO LINE 1 FOR PIT DETAIL
PIPE SIZE (mm)	450	
PIPE CLASS	3	
PIPE GRADE (%)	0.29%	
PIPE SLOPE (1 in X)	349.68	
FULL PIPE VELOCITY (m/s)	0.19	
PART FULL VELOCITY (m/s)	0.75	
DATUM RL	-5.000	
WATER LEVEL IN STRUCTURE	7.394	7.387
PIPE FLOW (CUMECS)	0.030	
PIPE CAPACITY AT GRADE (CUMECS)	0.153	
HYDRAULIC GRADE LEVEL	7.382	7.381	7.335
DEPTH TO INVERT	1.412	1.451	1.504
INVERT LEVEL OF DRAIN	6.440	6.420	6.367
DESIGN SURFACE LEVEL	7.768	7.761
SETOUT COORDINATES	E 722532.438 N 7654039.194	E 722539.304 N 7654040.524
RUNNING CHAINAGE	0.000	6.994
		6.994

LINE 6









FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
4	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
3	ISSUE FOR CONSTRUCTION	25.02.25	M.D.
2	ISSUE FOR CONSTRUCTION	29.01.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE
1:100 0 1 2 3 4m
1:1000 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL
RPEQ SIGNATURE | DATE
7198 RPEQ No 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	N.G.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

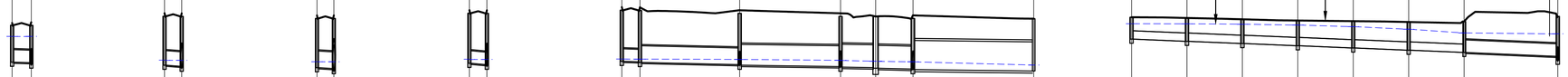
STORMWATER
LONGITUDINAL SECTIONS
(SHEET 1 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C211
REV: 4

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C211.dwg Plot Date :25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_LONGITUDINAL_SECTIONS.dwg

STRUCTURE NAME	7-1	1-3	11-1	28-4	16-1	28-6	18-1	28-3	28-1	28-2	28-3	28-4	28-5	28-6	13-8	RW3-1	RW3-2	RW3-3	RW3-4	RW3-5	RW3-6	RW3-7	1-1
STRUCTURE DESCRIPTION		LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	REFER TO LINE 28 FOR PIT DETAIL	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	REFER TO LINE 28 FOR PIT DETAIL	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	REFER TO LINE 28 FOR PIT DETAIL	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C	L.I.L. 2.4m Lintel, MOUNTABLE K&C	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1050Ø ACCESS CHAMBER MOUNTABLE K&C	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C	1500Ø STORMWATER ACESS CHAMBER	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1500Ø ACCESS CHAMBER MOUNTABLE K&C	CONCRETE HEADWALL	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	REFER TO LINE 1 FOR PIT DETAIL
PIPE SIZE (mm)		450	525		600		450		450		600	750	825	825	1050	300	300	300	300	300	300	300	450
PIPE CLASS		3	3		3		3		3		3	3	3	3	3	PVC	PVC	PVC	PVC	PVC	PVC	PVC	3
PIPE GRADE (%)		0.29%	0.65%		0.49%		0.79%		0.31%	0.22%		0.14%	0.16%	0.22%	0.11%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.41%
PIPE SLOPE (1 in X)		346.44	155.02		203.47		126.37		327.38	449.76		728.03	632.74	449.55	871.28	249.99	250.01	250.00	249.99	250.00	250.00	250.00	241.44
FULL PIPE VELOCITY (m/s)		0.11	0.13		0.05		0.13		0.04	0.06		0.14	0.21	0.21	0.18	0.17	0.36	0.55	0.74	0.93	1.12	0.58	
PART FULL VELOCITY (m/s)		0.64	0.95		0.71		0.97		0.48	0.56		0.67	0.83	0.94	0.79	0.67	0.82	0.92	0.97	0.97	1.12	1.15	
DATUM RL		-5.000	-5.000		-5.000		-5.000		-5.000							-5.000							
WATER LEVEL IN STRUCTURE	7.437	7.437	6.582	6.576	6.524	6.523	6.614	6.609	6.622	6.620	6.609	6.576	6.543	6.523	6.405	7.895	7.892	7.878	7.846	7.787	7.695	7.562	7.531
PIPE FLOW (CUMECS)		0.017		0.028		0.015		0.021		0.006	0.017	0.063	0.114	0.113	0.155		0.012	0.025	0.039	0.052	0.066	0.079	0.092
PIPE CAPACITY AT GRADE (CUMECS)		0.153		0.346		0.431		0.254		0.158	0.290	0.413	0.571	0.677	0.926		0.061	0.061	0.061	0.061	0.061	0.061	0.184
HYDRAULIC GRADE LEVEL	7.433	7.433	7.407	6.574	6.575	6.571	6.523	6.523	6.520	6.605	6.609	6.607	6.621	6.620	6.619	6.609	6.607	6.575	6.571	6.542	6.537	6.523	6.520	6.405	6.405	7.895	7.892	7.892	7.878	7.878	7.846	7.846	7.787	7.787	7.695	7.695	7.562	7.562	7.527	7.499
DEPTH TO INVERT	1.414	1.455	1.505	1.873	1.910	1.940	1.886	1.915	1.955	1.914	1.959	1.979	1.953	1.965	1.985	1.959	1.979	1.920	1.940	1.846	1.866	1.935	1.955	1.886	1.886	0.788	0.841	0.841	0.874	0.874	0.910	0.910	0.967	0.967	1.016	1.016	1.114	1.114	1.431	1.571
INVERT LEVEL OF DRAIN	6.510	6.490	6.440	6.400	6.360	6.330	6.310	6.280	6.240	6.470	6.420	6.400	6.540	6.520	6.500	6.420	6.400	6.350	6.330	6.310	6.290	6.260	6.240	6.190	6.190	7.340	7.260	7.260	7.180	7.180	7.100	7.100	7.020	7.020	6.940	6.940	6.860	6.860	6.720	6.580
DESIGN SURFACE LEVEL	7.842	7.835		8.163	8.160		8.086	8.085		8.274	8.269		8.383	8.375		8.269		8.160		8.156		8.085		8.076		8.128	8.101		8.054		8.010		7.987		7.956		7.974		8.162	
SETOUT COORDINATES	E 7225329.331	N 7654014.381	E 7225336.001	E 7224470.263	N 7654086.418	E 7224464.416	E 7224454.771	N 7654102.728	E 7224455.378	E 7224464.587	N 7654049.930	E 7224458.821	E 7224460.578	N 7654014.374	E 7224454.494	N 7654016.793	E 7224458.821	N 7654052.513	E 7224464.416	N 7654088.482	E 7224466.368	N 7654100.986	E 7224455.378	N 7654108.802	E 7224412.331	N 7654115.498	E 7224418.686	N 7653939.724	E 7224438.686	N 7653939.762	E 7224458.687	N 7653939.821	E 7224478.687	N 7653939.838	E 7224498.686	N 7653939.876	E 7224518.686	N 7653939.914	E 7224538.686	N 7653939.952	E 7224538.622	N 7653973.753
RUNNING CHAINAGE	0.000	6.929	6.929	0.000	6.201	6.201	0.000	6.104	6.104	0.000	6.319	6.319	0.000	6.548	6.548	35.981	42.529	36.402	78.930	12.655	91.585	13.487	105.072	43.564	148.636	0.000	19.999	19.999	20.001	40.000	20.000	60.001	19.999	80.000	20.000	100.000	20.000	120.000	33.801	153.802



LINE 7 | LINE 11 | LINE 16 | LINE 18 | LINE 28 | LINE RW3

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
3	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
2	ISSUE FOR CONSTRUCTION	29.01.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE
1:100 0 1 2 3 4m
1:1000 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No 20.01.25

RPEQ SIGNATURE		DATE
DRAWN	DESIGNED	CHECKED
J.A	N.G.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER
LONGITUDINAL SECTIONS
(SHEET 2 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C212
REV: 3

CAD FILENAME: C:\12DS\data\DykmanSYN\2319 - The Waters Ooralea_2381\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C212.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_LONGITUDINAL_SECTIONS.dwg

LINE 8

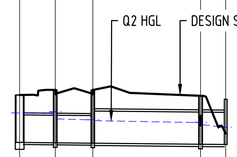
STRUCTURE NAME	1-8	8-2	8-3	8-4	8-5
STRUCTURE DESCRIPTION		REFER TO LINE 1 FOR PIT DETAIL	LIL (ON-GRADE) GULLY PIT "M" LINTEL OVER 1500Ø ACCESS CHAMBER MOUNTABLE K&C	LIL (ON-GRADE) GULLY PIT "M" LINTEL OVER 1500Ø ACCESS CHAMBER MOUNTABLE K&C	1500Ø STORMWATER ACESS CHAMBER
PIPE SIZE (mm)		900	900	1050	1050
PIPE CLASS		3	3	3	3
PIPE GRADE (%)		0.10%	0.10%	0.10%	0.10%
PIPE SLOPE (1 in X)		1003.21	1004.04	999.27	1026.25
FULL PIPE VELOCITY (m/s)		0.15	1.31	1.02	1.14
PART FULL VELOCITY (m/s)		0.66	1.31	1.14	1.14
DATUM RL		-5.000			
WATER LEVEL IN STRUCTURE	7.054	7.093	6.834	6.750	6.585
PIPE FLOW (CUMECS)		0.094	0.836	0.883	0.991
PIPE CAPACITY AT GRADE (CUMECS)		0.572	0.572	0.864	0.853
HYDRAULIC GRADE LEVEL	7.054	7.054	6.856	6.828	6.802	6.738	6.674	6.585	6.585
DEPTH TO INVERT	1.549	1.726	1.726	1.738	1.738	1.583	1.583	0.357	0.357
INVERT LEVEL OF DRAIN	6.090	6.078	6.078	6.066	6.066	6.031	6.031	6.023	6.023
DESIGN SURFACE LEVEL	7.639	7.804	7.804	7.804	7.614	7.500
SETOUT COORDINATES	E 722553.323 N 7654132.331	E 722564.961 N 7654132.325	E 722565.801 N 7654144.546	E 722573.122 N 7654178.950	E 722574.951 N 7654186.953
RUNNING CHAINAGE	0.000	11.637	11.637	12.249	23.887	35.174	59.061	8.210	67.271

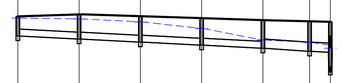
LINE RW1

STRUCTURE NAME	RW1-1	RW1-2	RW1-3	RW1-4	RW1-5	RW1-6	8-4
STRUCTURE DESCRIPTION	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	REFER TO LINE 8 FOR PIT DETAIL
PIPE SIZE (mm)	225	225	225	225	300	300
PIPE CLASS	PVC	PVC	PVC	PVC	PVC	PVC
PIPE GRADE (%)	0.50%	0.50%	0.50%	0.50%	0.66%	0.50%
PIPE SLOPE (1 in X)	200.00	200.00	200.07	200.09	152.26	200.01
FULL PIPE VELOCITY (m/s)	0.39	0.78	1.17	1.55	1.09	1.30
PART FULL VELOCITY (m/s)	0.80	0.91	1.17	1.55	1.26	1.30
DATUM RL	-5.000					
WATER LEVEL IN STRUCTURE	7.733	7.709	7.613	7.398	7.019	6.941	6.750
PIPE FLOW (CUMECS)	0.016	0.031	0.047	0.062	0.077	0.092
PIPE CAPACITY AT GRADE (CUMECS)	0.032	0.032	0.032	0.032	0.078	0.068
HYDRAULIC GRADE LEVEL	7.733	7.709	7.709	7.613	7.613	7.398	7.398	7.019	7.019	6.941	6.941	6.852	6.674
DEPTH TO INVERT	0.640	0.804	0.804	0.846	0.846	0.882	0.882	0.918	0.918	0.979	0.979	0.997	1.583
INVERT LEVEL OF DRAIN	7.150	7.050	7.050	6.950	6.950	6.850	6.850	6.750	6.750	6.650	6.650	6.616	6.031
DESIGN SURFACE LEVEL	7.790	7.854	7.796	7.732	7.668	7.629	7.614
SETOUT COORDINATES	E 722472.214 N 7654193.866	E 722491.976 N 7654190.792	E 722511.739 N 7654187.720	E 722531.510 N 7654184.660	E 722551.318 N 7654181.829	E 722566.399 N 7654179.730	E 722573.122 N 7654178.950
RUNNING CHAINAGE	0.000	20.000	20.000	40.000	20.007	60.007	20.009	80.016	15.226	95.242	6.768	102.010

LINE RW2

STRUCTURE NAME	RW2-1	RW2-2	8-4
STRUCTURE DESCRIPTION	MRC STD FIELD INLET 900x600 TYPE 2	MRC STD FIELD INLET 900x600 TYPE 2	REFER TO LINE 8 FOR PIT DETAIL
PIPE SIZE (mm)	225	225
PIPE CLASS	PVC	PVC
PIPE GRADE (%)	0.52%	0.35%
PIPE SLOPE (1 in X)	193.05	286.87
FULL PIPE VELOCITY (m/s)	0.36	0.73
PART FULL VELOCITY (m/s)	0.79	0.73
DATUM RL	-5.000	
WATER LEVEL IN STRUCTURE	6.972	6.956	6.750
PIPE FLOW (CUMECS)	0.014	0.029
PIPE CAPACITY AT GRADE (CUMECS)	0.032	0.027
HYDRAULIC GRADE LEVEL	6.972	6.956	6.956	6.902	6.674
DEPTH TO INVERT	0.773	0.806	0.826	0.853	1.583
INVERT LEVEL OF DRAIN	6.863	6.801	6.781	6.760	6.031
DESIGN SURFACE LEVEL	7.636	7.607	7.614
SETOUT COORDINATES	E 722591.003 N 7654177.060	E 722579.000 N 7654178.288	E 722573.122 N 7654178.950
RUNNING CHAINAGE	0.000	12.066	12.066	5.915	17.981





FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
3	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE
1:100 0 1 2 3 4m
1:1000 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL
RPEQ SIGNATURE
7198
RPEQ No
DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	N.G.	M.D.

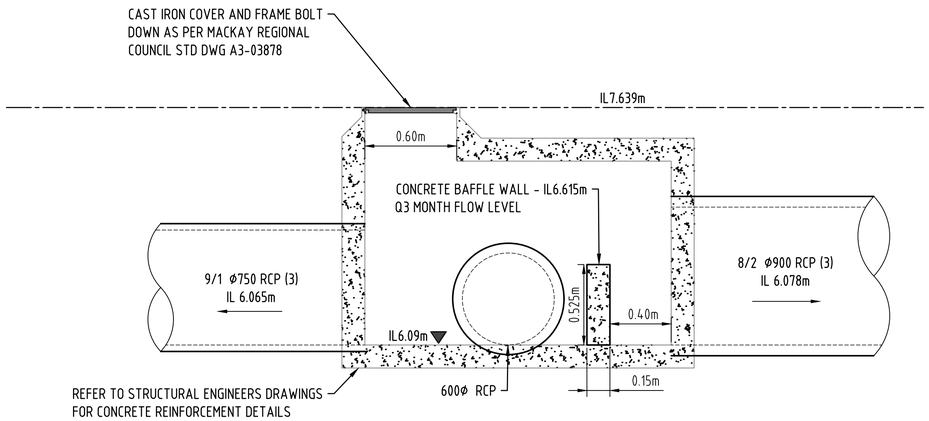
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER
LONGITUDINAL SECTIONS
(SHEET 3 OF 3)

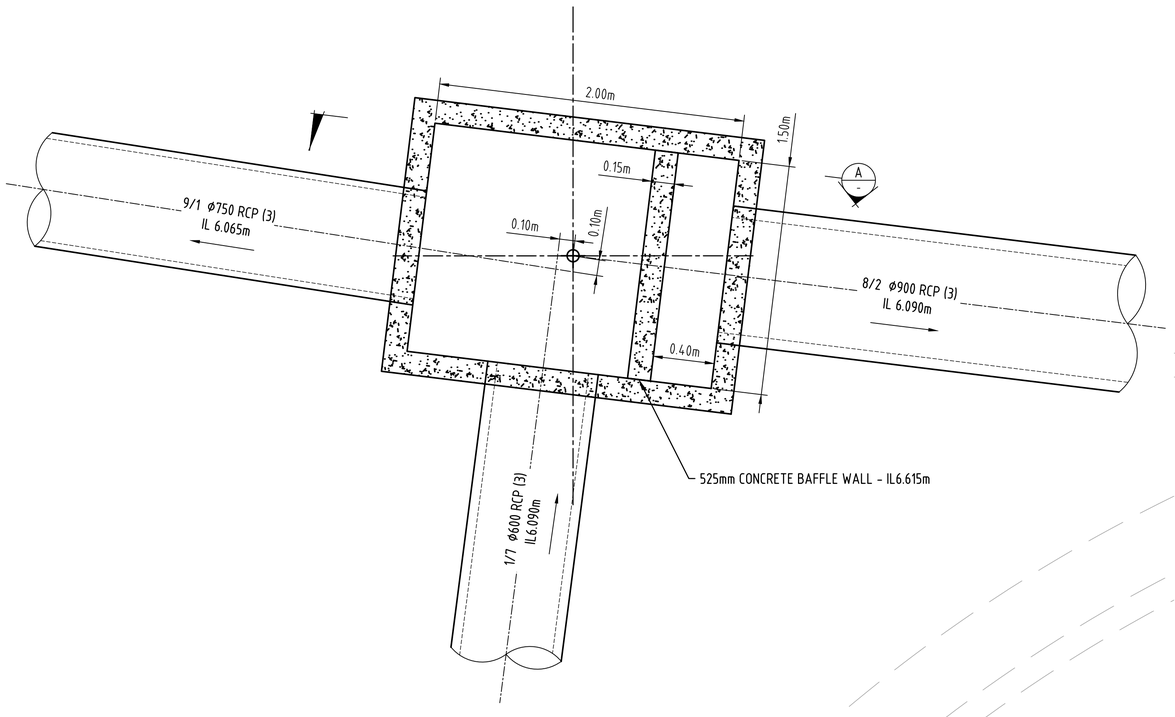
ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C213
REV: 3

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C213.dwg Plot Date: 25 Jun, 2025

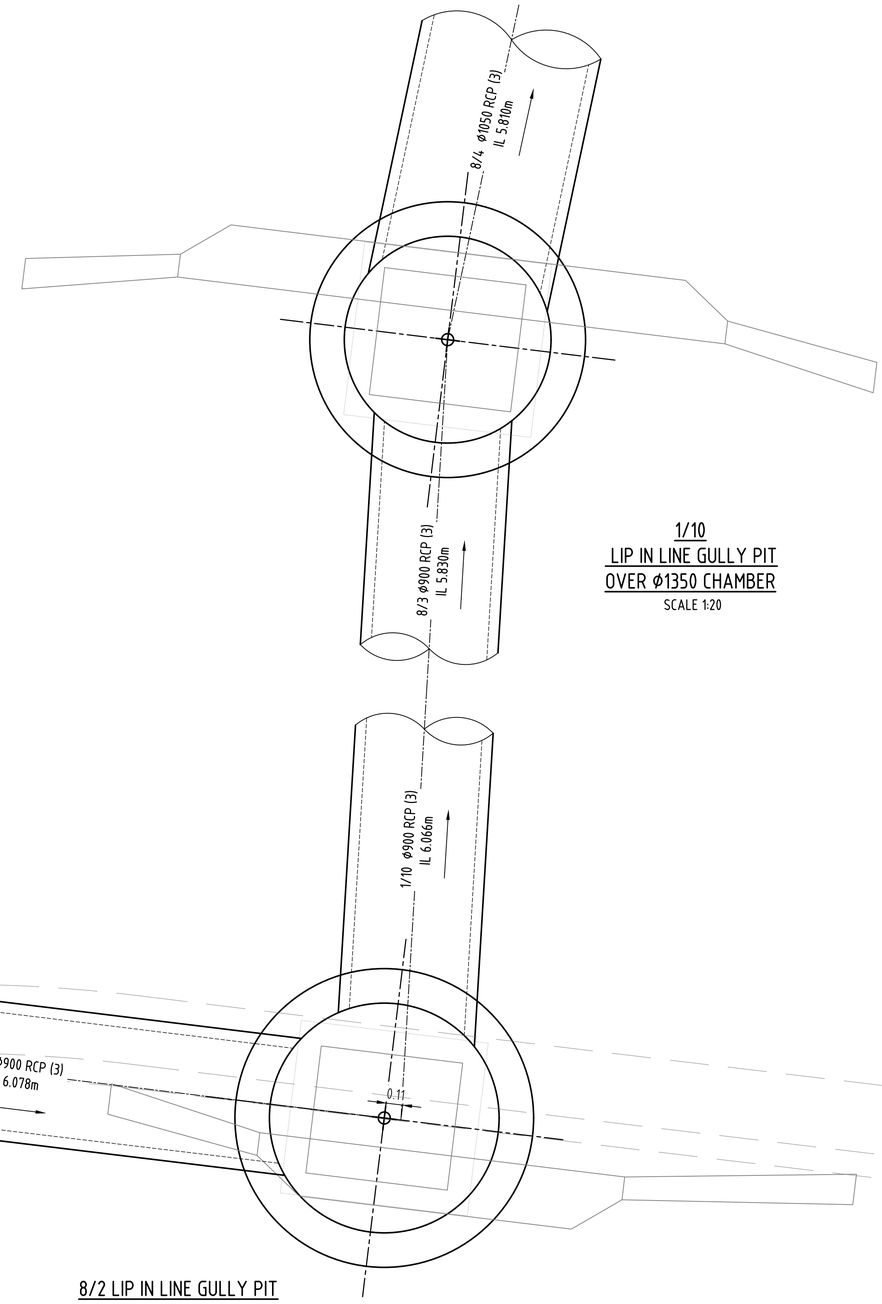
XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_LONGITUDINAL_SECTIONS.dwg



SECTION A
SCALE 1:20



1/8
2000 x 1500 RECTANGULAR CONCRETE PIT
SCALE 1:20



1/10
LIP IN LINE GULLY PIT
OVER Ø1350 CHAMBER
SCALE 1:20

8/2 LIP IN LINE GULLY PIT
OVER Ø1500 CHAMBER
SCALE 1:20

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:20 — 0 200 400 600 800mm

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
I.F	N.G.	M.D.

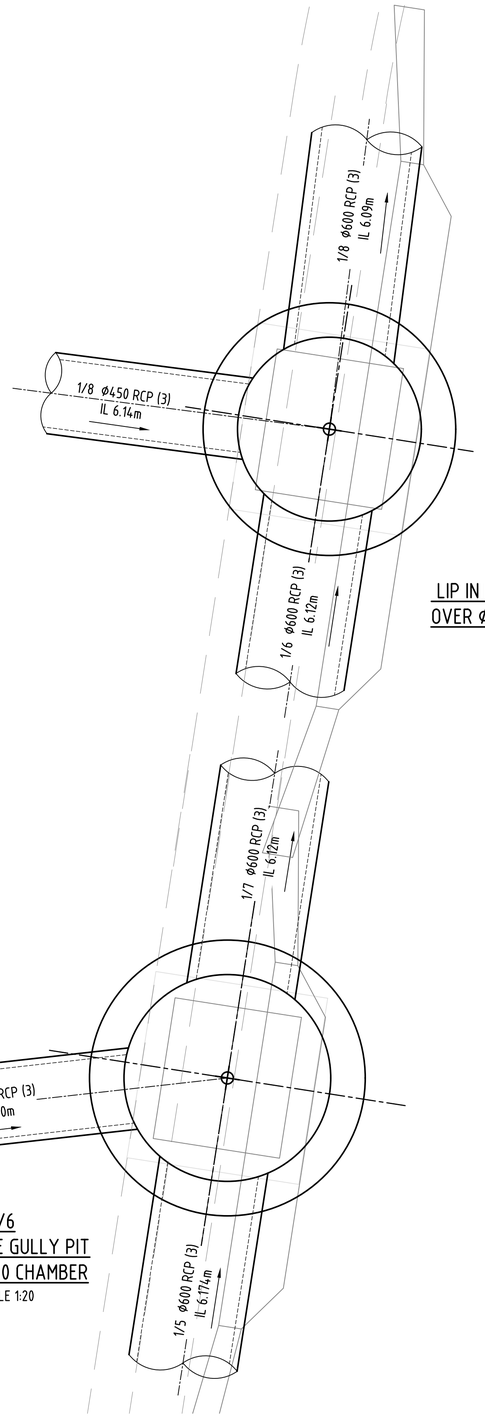
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER
STRUCTURE DETAILS
(SHEET 1 OF 3)

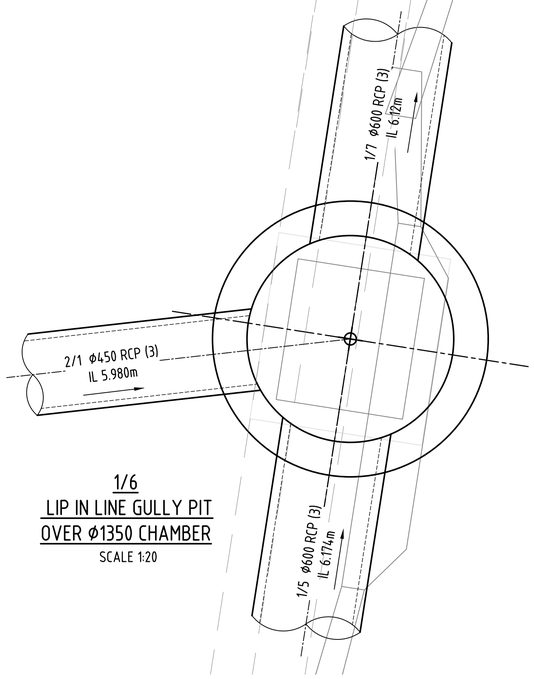
ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C214
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C214.dwg Plot Date: 25 Jun, 2025

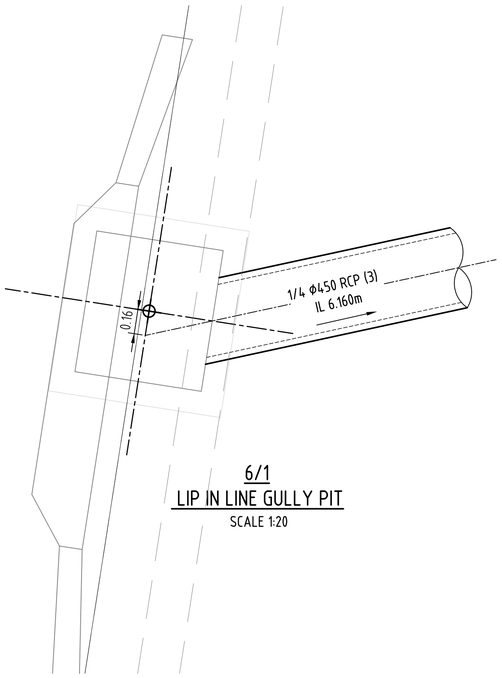
XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_STRUCTURES_1.dwg



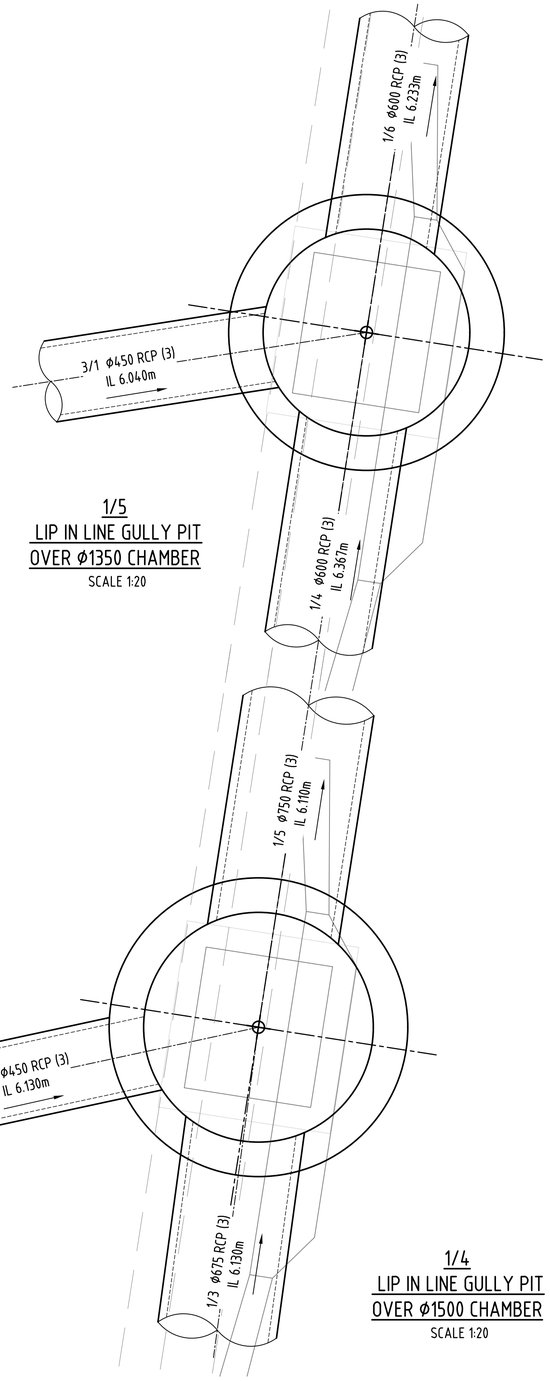
1/7
LIP IN LINE GULLY PIT
OVER Ø1350 CHAMBER
SCALE 1:20



1/6
LIP IN LINE GULLY PIT
OVER Ø1350 CHAMBER
SCALE 1:20

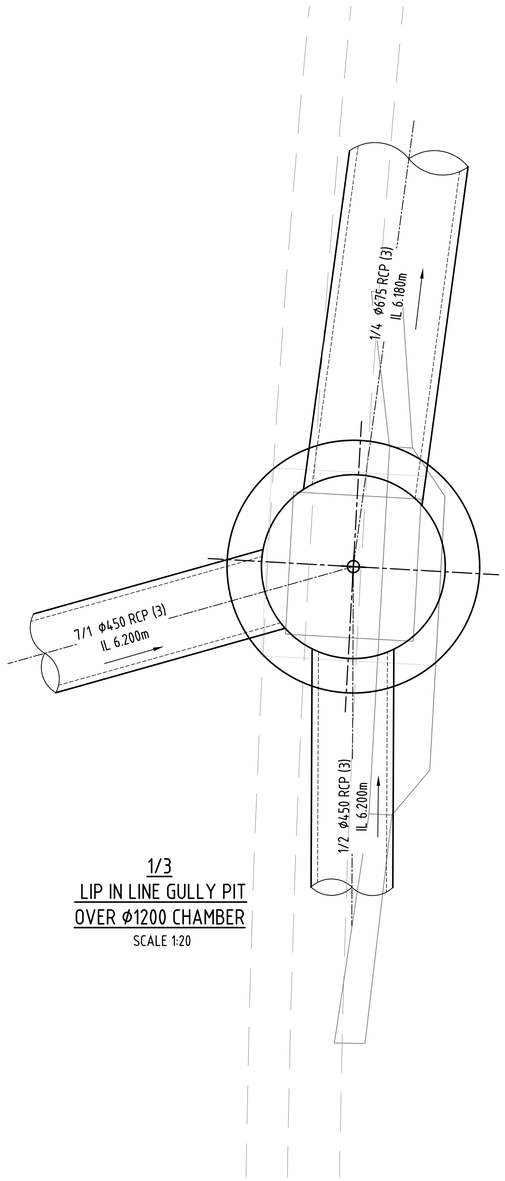


6/1
LIP IN LINE GULLY PIT
SCALE 1:20



1/5
LIP IN LINE GULLY PIT
OVER Ø1350 CHAMBER
SCALE 1:20

1/4
LIP IN LINE GULLY PIT
OVER Ø1500 CHAMBER
SCALE 1:20



1/3
LIP IN LINE GULLY PIT
OVER Ø1200 CHAMBER
SCALE 1:20

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:20 — 0 200 400 600 800mm

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — 7198 RPEQ No — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
I.F	N.G.	M.D.

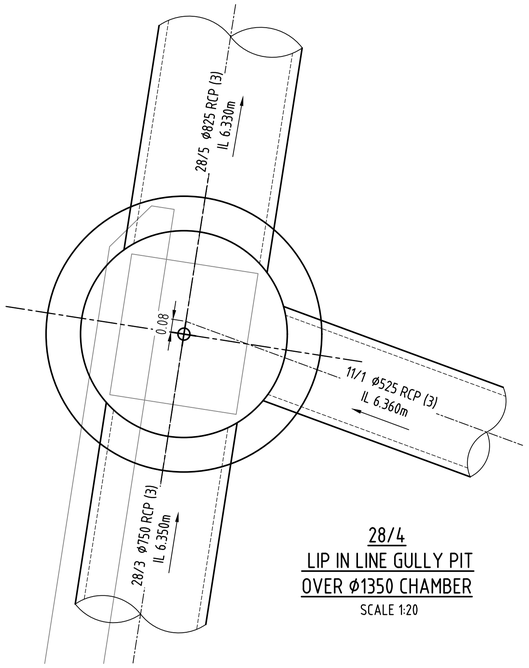
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER
STRUCTURE DETAILS
(SHEET 2 OF 3)

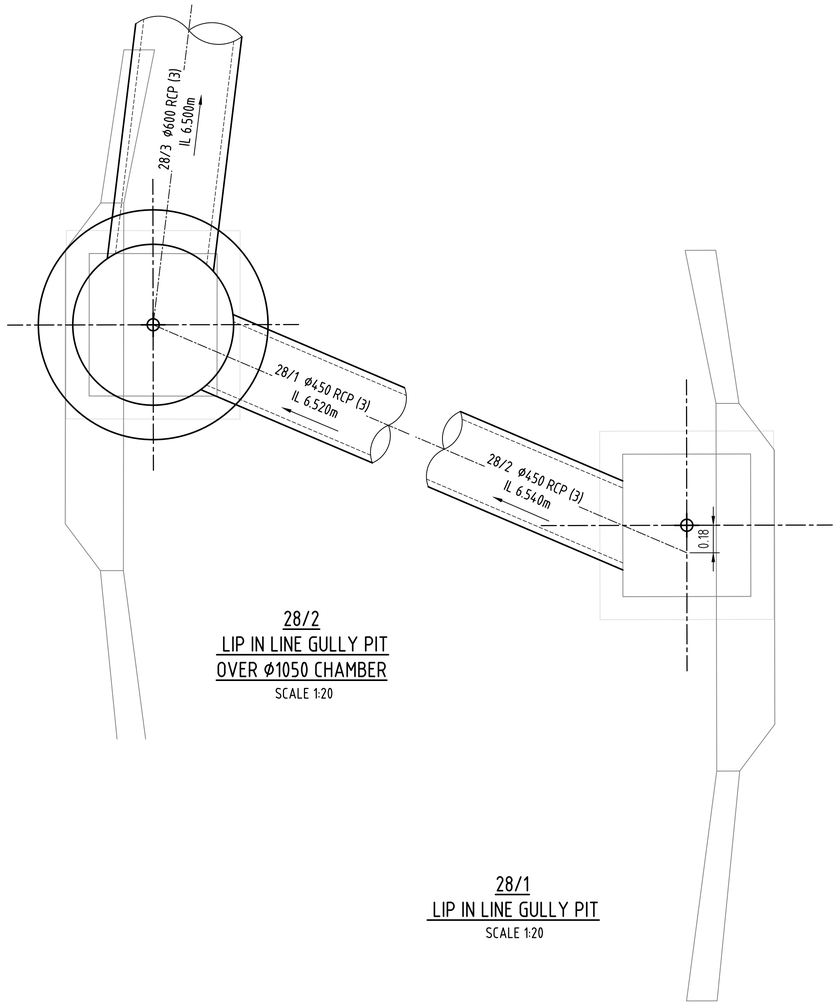
ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C215
REV: 2

CAD FILENAME: C:\12dS\data\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C215.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_STRUCTURES_1.dwg

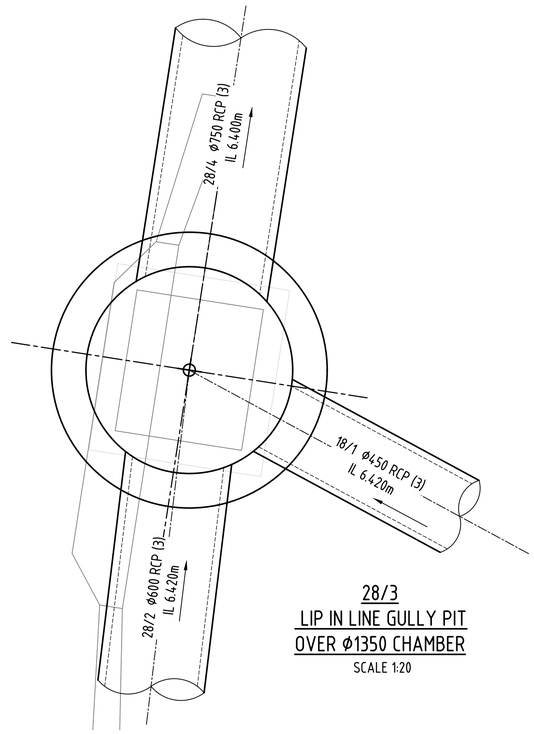


28/4
LIP IN LINE GULLY PIT
OVER Ø1350 CHAMBER
SCALE 1:20

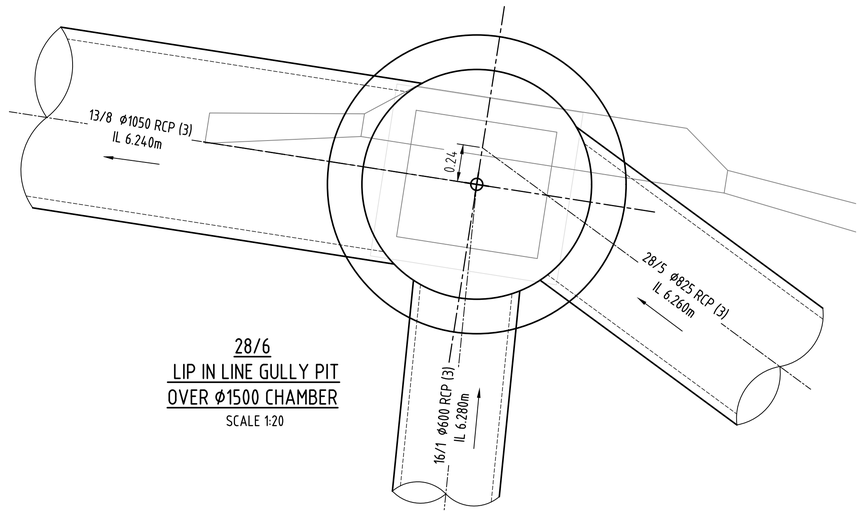


28/2
LIP IN LINE GULLY PIT
OVER Ø1050 CHAMBER
SCALE 1:20

28/1
LIP IN LINE GULLY PIT
SCALE 1:20



28/3
LIP IN LINE GULLY PIT
OVER Ø1350 CHAMBER
SCALE 1:20



28/6
LIP IN LINE GULLY PIT
OVER Ø1500 CHAMBER
SCALE 1:20

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:20 — 0 200 400 600 800mm

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE: 7198 — RPEQ No: 20.01.25 — DATE

DRAWN	DESIGNED	CHECKED
I.F	N.G.	M.D.

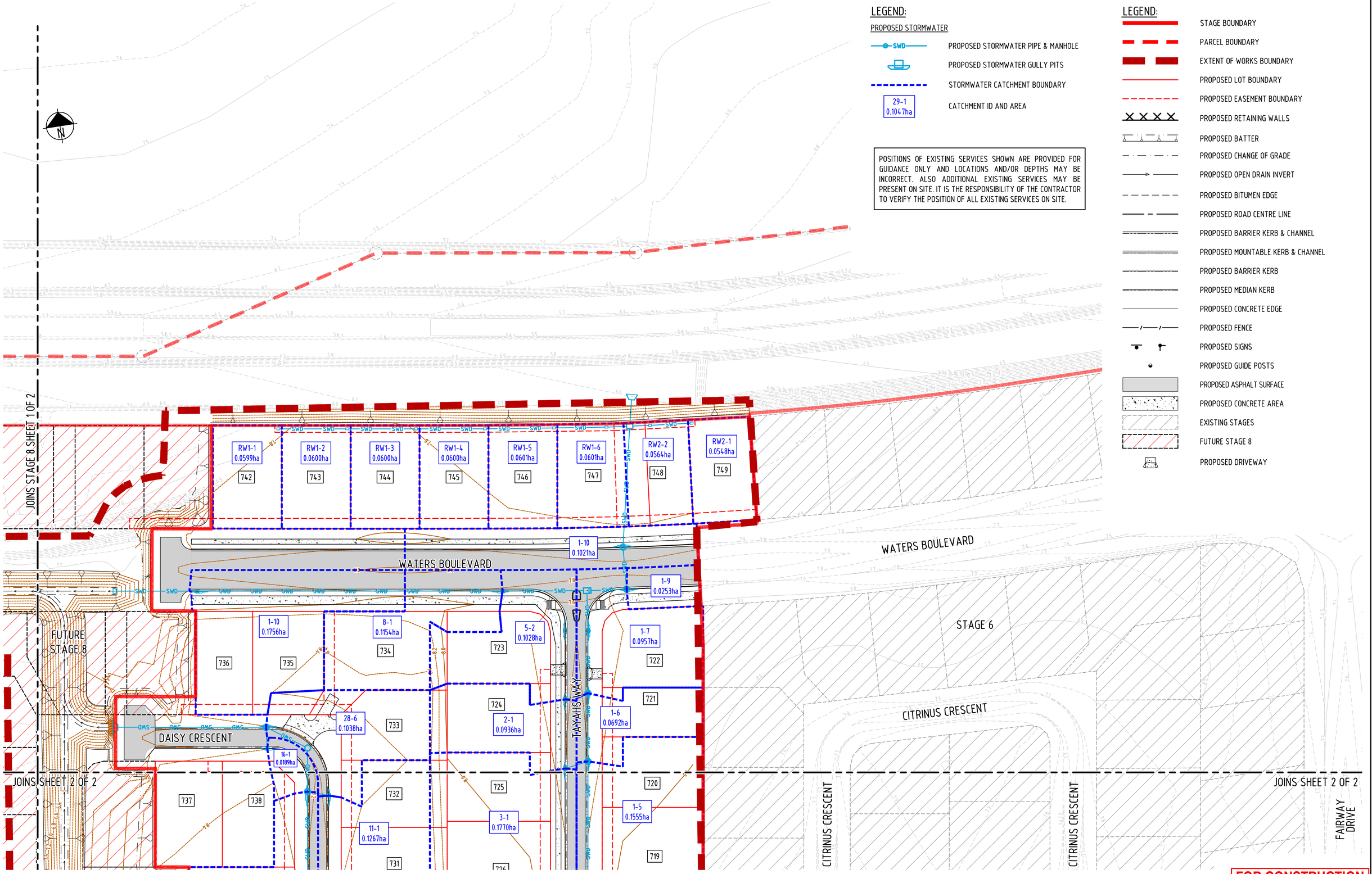
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER
STRUCTURE DETAILS
(SHEET 3 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C216
REV: 2

CAD FILENAME: C:\12d\S\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C216.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_STRUCTURES_1.dwg



LEGEND:

PROPOSED STORMWATER

- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- STORMWATER CATCHMENT BOUNDARY
- 29-1 0.1047ha — CATCHMENT ID AND AREA

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED DRIVEWAY

LAYOUT PLAN

SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	N.G.	M.D.

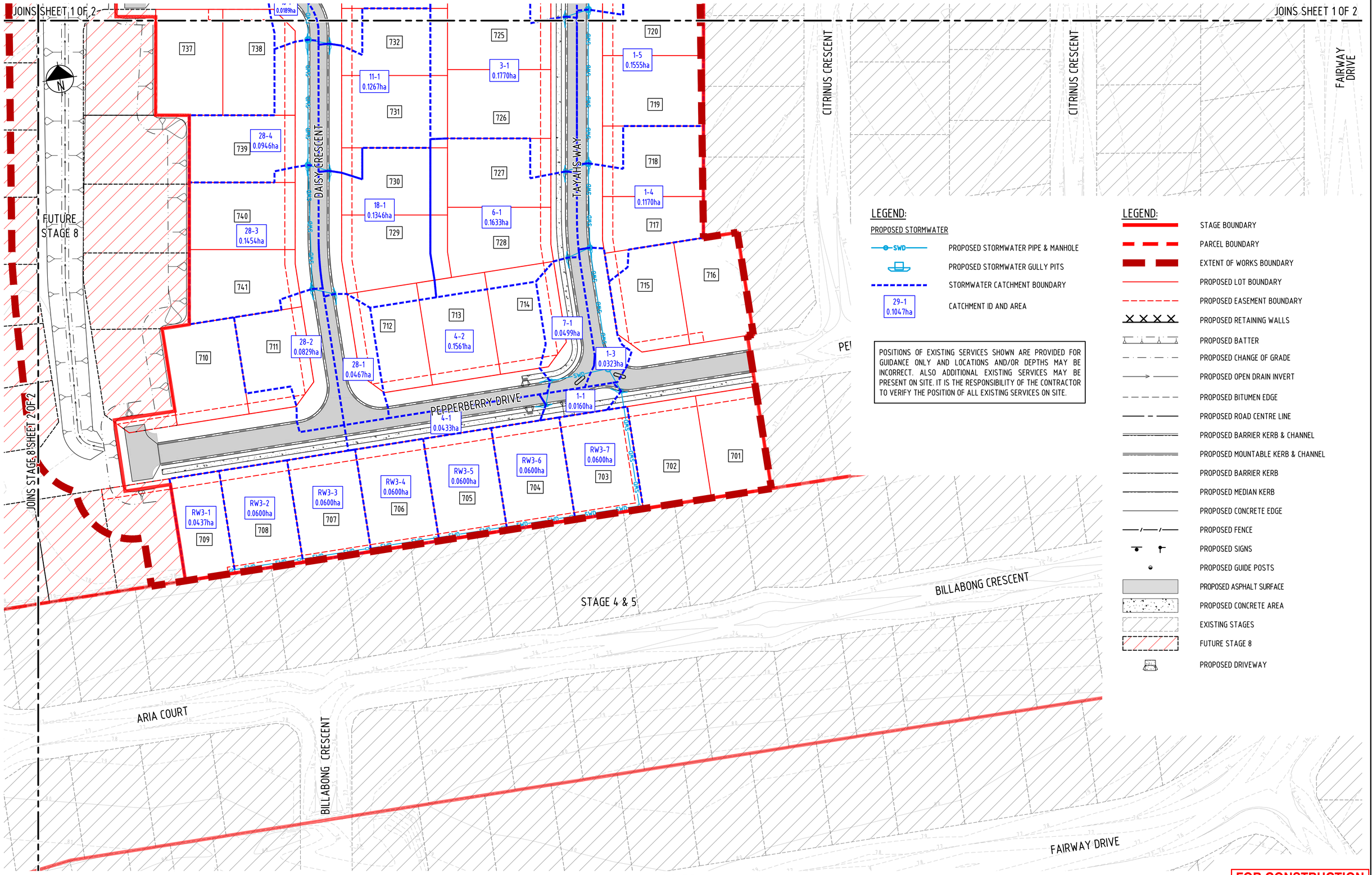
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER
CATCHMENT LAYOUT PLAN
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C221
REV: 2

CAD FILENAME: C:\12DS\data\DykmanSYN\2319 - The Waters Ooralea_2381\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C221.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_CATCHMENT_NOTES_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_STORMWATER_CATCHMENT_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DESIGN_ROAD_NAMES_ANNO_500.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_STORMWATER_CATCHMENT_PLAN.dwg ; X_2319_DC_STG 7_CHANGE OF GRADE LINES.dwg



LEGEND:

PROPOSED STORMWATER

- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- STORMWATER CATCHMENT BOUNDARY
- 29-1 0.1047ha — CATCHMENT ID AND AREA

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED DRIVEWAY

LAYOUT PLAN

SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	N.G.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STORMWATER
CATCHMENT LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C222
REV: 2

CAD FILENAME: C:\12d\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C222.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STORMWATER_CATCHMENT_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_STORMWATER_CATCHMENT_NOTES_LEGEND_SHEET 2.dwg ; X_2319_DC_STG 7_DESIGN_ROAD_NAMES_ANNO_500.dwg ; X_2319_DC_STG 7_STORMWATER_CATCHMENT_PLAN.dwg ; X_2319_DC_STG 7_CHANGE OF GRADE LINES.dwg

DESIGN ARI	LOCATION		SUB-CATCHMENT RUNOFF							INLET DESIGN													DRAIN DESIGN											PART FULL		HEAD LOSSES									DESIGN LEVELS						
	STRUCTURE No	DRAIN SECTION	Tc	I	fi	C	A	CxA	Qc	Qa	QRC				dg	Vg	dg.Vg	STRUCTURE	Qg	Qb		Tc	I	CxA	Qrat	Q	V	L	S			Qcap	Vcap		Vp			S / D0	V2/2g	Ku	hu	Kw	hw	Sf	hf							
			SUB-CATCHMENT TIME OF CONC.	RAINFALL INTENSITY	FRACTION IMPERVIOUS	COEFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT IMPERVIOUS AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	HALF ROAD CAPACITY	ROAD GRADE AT INLET	ROAD XFALL AT INLET	FLOW WIDTH	FLOW DEPTH	FLOW VELOCITY	Velocity-Depth	TYPE AND DESCRIPTION	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE	CRITICAL TIME OF CONC.	RAINFALL INTENSITY	TOTAL (C x A)	PEAK FLOW	PIPE FLOW	PIPE VELOCITY	REACH LENGTH	PIPE GRADE	PIPE SIZE	PIPE CLASS	CAPACITY FLOW	CAPACITY VELOCITY	PARTIAL DEPTH	PARTIAL DEPTH VELOCITY	12D KU Method	12D KU/KW CHART IDENTIFIER	SUBMERGENCE RATIO	VELOCITY HEAD	U/S HEAD LOSS COEFFICIENT	U/S HEAD LOSS	W.S.E COEFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE (HGL grade)	PIPE FRICTION HEAD LOSS	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L	PIPE D/S H.G.L	W.S.E	GRATE LEVEL	FREEBOARD	STRUCTURE No
			min	mm/h			ha	ha	m3/s	m3/s	m3/s	%	%	m	m	m/s	m^2/s		m3/s	m3/s		min	mm/hr	ha	m3/s	m3/s	m/s	m	%	mm		m3/s	m/s	m	m/s				m		m		m	%	m	m	m	m	m	m	m	
Q2 Q100	1-1	1-1 to 1-2	15	85 1-1	0.85	0.88 13	0.016 205	0.014 0.35	0.003 0.71	0.008 0.731	0.191 0.515	3.3	3	0.856 0.452	0.04 2.18	0.605 3	0.024 3.814	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1050Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.004 0.172	0.004 0.185	LOST	15.78	83 0.185	0.32 3-1	0.074 13	0.074 205	0.47 0.515	7.495	0.44	450	3	0.189	1.19	0.196 3	1.12 0.264	Ku,Kw - Missouri/Hare Charts	T3 0.167	1.2 2.27	0.011 Ku,Kw - Missouri /Hare Charts	1.7 G2	0.019 3.15	2.09 0.049	0.023 3.64	0.07 0.179	0.005	6.58	6.547	7.097 0.051	7.092 62.3	7.121 62	8.162	1.041 63.253	63.482
Q2 Q100	1-2	1-2 to 1-3		1-2		10	226	0.4	0.81	0.317	0.257			0.452	2.18	3	3.036	1500Ø STORMWATER ACESS CHAMBER Refer BCC BSD-8021	0.121	0.068		15.68	83 0.068	0.493 1-3	0.114 10	0.094 226	0.43 0.704	35.54	0.3	525	3	0.236	1.09	0.23 3	1.03 0.27	Ku,Kw - Missouri/Hare Charts	T3/T6 0.231	1.04 2.64	0.01 Ku,Kw - Missouri /Hare Charts	1.95 T6/T9	0.019 3.39	2.29 0.149	0.022 1.58	0.05 0.236	0.017 1.7	6.547	6.44	7.074 0.489	7.057 62	7.096 61	8.148	1.053 62.527	63.27
Q2 Q100	1-3	1-3 to 1-4	15	85 1-3	0.85	0.88 10	0.032 226	0.028 0.4	0.007 0.81	0.007 0.074	0.074 0.06	0.34	3	1.32 0.201	0.049 0.16	0.27 3	0.013	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1200Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.003	0.003 0.588	1-4	15.81	83 0.588	0.563 LOST	0.13 8.08	0.109 246	0.5 0.928	24.49	0.3	525	3	0.235	1.09	0.252 3	1.07 0.428	Ku,Kw - Missouri/Hare Charts	T1/T3 0.417	1.18 2.25	0.013 Ku,Kw - Missouri /Hare Charts	1.27 T6/T9	0.017 2.95	1.53 0.187	0.02 1.76	0.06 0.33	0.016 1.87	6.44	6.367	7.04 0.109	7.024 61	7.06 60.884	7.835	0.775 62.088	62.547
Q2 Q100	1-4	1-4 to 1-5	15	85 1-4	0.85	0.88 0	0.117 0	0.103 0	0.024	0.028 0	0.073 0	0.3	3	2.369 0.359	0.076 1.83	0.373	0.028 3.778	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1500Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8021, BSD-8024	0.014 0.135	0.014 0.229	1-5	15.7	83 0.229	0.803 1-3	0.186 13.08	0.144 204	0.67 2.197	44.65	0.3	525	3	0.235	1.09	0.297 3	1.14 0.566	Ku,Kw - Missouri/Hare Charts	T1/T3 0.6	1.26 2.33	0.023 Ku,Kw - Missouri /Hare Charts	1.3 T9/T10	0.03 2.17	1.55 0.278	0.035 1.97	0.11 0.546	0.05 2.32	6.367	6.233	6.995 0.397	6.944 60.884	7.03 60.575	7.761	0.731 61.098	62.186
Q2 Q100	1-5	1-5 to 1-6	15	85 1-5	0.85	0.88	0.155	0.136	0.032	0.046	0.075	0.3	3	2.952	0.087	0.423	0.037	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.023	0.023	1-6	16.02	82	1.093	0.25	0.194	0.68	19.81	0.3	600	3	0.336	1.19	0.326	1.23	Ku,Kw - Missouri/Hare Charts	T1/T3	1.19	0.024	1.31	0.031	1.54	0.037	0.1	0.02	6.233	6.174	6.913	6.894	6.95	7.627	0.677	61.098
Q2 Q100	1-6	1-6 to 1-7	15	85 2-1	0.85	0.88 13	0.059 205	0.052 0.35	0.012 0.7	0.035 0.55	0.07 0.388	0.3	3	2.478 0.539	0.086 3.1	0.396 3	0.034 3.201	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.018 0.157	0.018 0.141	1-7	15.8	83 0.141	1.207 3-1	0.278 13	0.233 205	0.82 0.388	18.11	0.3	600	3	0.335	1.19	0.368 3	1.28 0.282	Ku,Kw - Missouri/Hare Charts	T1/T3 0.137	1.21 2.2	0.035 Ku,Kw - Missouri /Hare Charts	0.99 G2	0.034 2.6	1.14 0.027	0.04 4.69	0.14 0.126	0.026	6.174	6.12	6.859 0.02	6.833 61.75	6.899 61.5	7.567	0.669 62.577	62.724
Q2 Q100	1-7	1-7 to 1-8	15	85 2-2	0.85	0.88 13	0.105 205	0.093 0.35	0.022 0.7	0.056 1.043	0.038 0.735	0.3	3	0.539	0.052 3.1	3	4.082	LIL (SAG) GULLY PIT "M" LINTEL OVER 1200Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8077	0.056 0.227	0 0.229		15.75	83 0.229	1.39 1-4	0.321 13	0.329 205	1.16 1.122	10.31	0.29	600	3	0.331	1.17	0.488 3	1.34 0.29	Ku,Kw - Missouri/Hare Charts	T1/T3 0.343	1.22 2.07	0.069 Ku,Kw - Missouri /Hare Charts	1.5 G1/T9/T10	0.104 2.44	1.81 0.146	0.125 2.75	0.29 0.403	0.03 2.88	6.12	6.09	6.729 0.086	6.7 61.5	6.854 61.4	7.513	0.659 62.088	62.596
Q2 Q100	1-8	1-8 to 1-9		1-4		0	0	0		0	0			0.359	1.83		3.778	CUSTOM CONCRETE MANHOLE AND PIT. REFER DWG 2319-STG7-C214 Refer BCC BSD-8021, BSD-8024	0.135	0.229		15.83	83 0.229	1.39 1-3	0.32	0.328	0.74	24.54	0.1	750	3	0.355	0.8	0.569	0.91	Ku,Kw - Missouri/Hare Charts	T9/T10	1.1	0.028 Ku,Kw - Missouri /Hare Charts	2.17 T9/T10	0.061 2.17	2.75	0.078 1.97	0.11 0.546	0.027 2.32	6.09	6.065	6.639	6.611	6.716	7.639	0.923	62.186
Q2 Q100	1-9	1-9 to 1-10	15	85 3-1	0.85	0.88 8	0.115 246	0.101 0.35	0.024 0.7	0.024 0.36	0.418 0.254	0.3	3	2.136 0.045	0.081 0.45	0.368	0.03	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.012	0.012 0.455	5-2	16.04	82 0.455	1.492 1-3	0.341 8	0.338 246	0.76 0.254	88.59	0.1	750	3	0.351	0.79	0.591 3	0.9 0.299	Ku,Kw - Missouri/Hare Charts	T1/T3 0.117	1.02 1.35	0.03 Ku,Kw - Missouri /Hare Charts	0.55 G2	0.016 2.77	0.6 0.004	0.018 4.31	0.16 0.017	0.129	6.065	5.977	6.595 0.002	6.451 61.3	6.612 61.2	7.898	1.286 62.527	62.547
Q2 Q100	1-10	1-10 to 1-11	15	85 1-3	0.85	0.88 10	0.176 226	0.154 0.4	0.036 0.81	0.036 0.074	0.412 0.06	0.3	3	2.527 0.201	0.092 0.16	0.405 3	0.037	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.018	0.018 0.588	LOST	16.72	81 0.588	1.643 LOST	0.369	0.347	0.78	23.63	0.1	750	3	0.355	0.8	0.6	0.92	Ku,Kw - Missouri/Hare Charts	T1	1.02	0.031 Ku,Kw - Missouri /Hare Charts	0.44 T6/T9	0.014 2.95		0.014 1.76	0.52 0.33	0.06 1.87	5.977	5.953	6.437	6.313	6.451	7.804	1.354	62.547
Q2 Q100	1-11			277		0.87	0.102	0.09	0.069	0.069	0.467			2.161	0.075	1.011	0.076	CONCRETE HEADWALL	0.055	0.014			277	0.09	0.069	0.055	0.5							0.097	2.44		G1	1.24	0.013	7	0.09		0.09	4.68	2.539			64.722	62.123	6.313 64.812	7.742	0.726	4-1
Q2 Q100	2-1	2-1 to 1-6	15	85 226	0.85	0.88 0.78	0.085 0.269	0.074 0.21	0.018 0.132	0.048 0.146	0.07 0.8	0.3	3	2.784 2.342	0.094 0.08	0.426 1.822	0.04 0.146	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.024 0.078	0.024 0.067	5-2	15	85 226	0.074 1.227	0.018 0.77	0.024 0.271	0.15 1.7	6.832	0.29	450	3	0.154	0.97	0.119 0.2	0.7 3.97	Ku,Kw - Missouri/Hare Charts	G2 T9/T10	1.47 1.83	0.001 0.148	9.7 2.15	0.011 0.319	2.53	0.011 0.374	0.01 2.35	0 0.803	6.244	6.224	6.894 61.804	6.894 61.049	6.905 62.178	7.573	0.668 0.754	4-2
Q2 Q100	1-6		15	85 226	0.85	0.88 0.78	0.059 0.065	0.052 0.051	0.012 0.032	0.035 0.322	0.07 0	0.3	3	2.478	0.086 0.133	0.396	0.034	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.018 -0.168	0.018 0.491	1-7		224	1.278	0.796	0.096	0.34								0.162	1.55	Ku,Kw - Missouri/Hare Charts	T1/T3 T9/T10	1.21 2.27	0.006	0.99 1.8	0.034 0.011	1.14 2.49	0.04 0.015	0.02	0.002			61.034	61.032	6.899 61.049	7.567	0.669 0	4-3
Q2 Q100	3-1	3-1 to 1-5	15	85 226	0.85	0.88 0.78	0.177 0.185	0.155 0.145	0.037 0.091	0.06 1.014	0.073 0.027	0.3	3	3.227	0.097 0.275	0.451	0.044	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.03 1.014	0.03 0	2-1	15	85 224	0.155 1.423	0.037 0.883	0.03 1.107	0.19 2.51	6.905	0.31	450	3	0.16	1	0.132 0.614	0.77 2.86	Ku,Kw - Missouri/Hare Charts	G2 G2/T9/T10	1.46 1.92	0.002 0.001	9.7 6.5	0.018 0.005	6.56	0.018 0.005	0.01 0	0.001 0	6.305	6.283	6.945 61.027	6.944 61.027	6.963 61.032	7.633	0.67 0	4-4
Q2 Q100	1-5		15	85	0.85	0.88	0.155	0.136	0.032	0.046	0.075	0.3	3	2.952	0.087	0.423	0.037	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.023	0.023	1-6		225	1.718	1.072	1.241	2.81							0.75	2.81	Ku,Kw - Missouri/Hare Charts	T1/T3 T9/T10	1.19 2.03	0.011	1.31 2.01	0.031 0.021	1.54 2.46	0.037 0.026	0.03	0.004			61.006	61.001	6.95 61.032	7.627	0.677 0.227	4-5
Q2 Q100	4-1	4-1 to 4-2	15	85 277	0.85	0.88 0.87	0.043 0.004	0.038 0.003	0.009 0.002	0.009 0.002	0.12 0.172	1.06	3	1.154 0.475	0.045 0.027	0.464 0.457	0.021 0.012	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.004 -0.398	0.004 0.4	1-1	15	85 224	0.038 1.722	0.009 1.071	0.004 0.839	0.04 1.9	6.98	0.43	375	3	0.115	1.04	0.051 0.493	0.5 2.73	Ku,Kw - Missouri/Hare Charts	G2 T10	1 2.16	0 0.184	9.7 1.97	0.001 0.362	2.29	0.001 0.423	0 0.57	0 0.045	6.92	6.89	7.103 60.573	7.103 60.528	7.104 60.995	8.526	1.422 0.006	4-6
Q2 Q100	4-2	4-2 to 1-2	15	85 226	0.85	0.88 0.78	0.156 0.25	0.137 0.195	0.032 0.122	0.032 0.169	0.113 0.42	1.17	3	2.132 3.179	0.061 0.104	0.635 1.161	0.039 0.121	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.016 0.101	0.016 0.068	7-1	15	85 220	0.175 2.724	0.041 1.667	0.021 1.198	0.19 2.24	17.19	0.41	375	3	0.112	1.01	0.109 0.506	0.77 3.49	Ku,Kw - Missouri/Hare Charts	G1/T9 T9	1.02 1.81	0.002 0.256	5.11 2.21	0.009 0.568	5.18 2.6	0.009 0.666	0.01 1.28	0.004 0.399	6.87	6.8	7.094 59.961	7.092 59.602	7.103 60.627	8.498	1.395 0.34	4-7
Q2 Q100	1-2																	1500Ø STORMWATER ACESS CHAMBER Refer BCC BSD-8021					219	2.724	1.655	1.186	2.22							0.478	3.7	Ku,Kw - Missouri/Hare Charts	T3/T6 T1	1.04 1.06	0.251	1.95 0.2	0.019 0.05	2.29	0.022 0.05	1.29	0.663			59.552	58.982	7.096 59.602	8.148	1.053 0.813	4-8
Q2 Q100	5-2	5-2 to 1-7	15	85	0.85	0.88	0.112	0.098	0.023	0.059	0.042	0.3	3		0.035			LIL (SAG) GULLY PIT "M" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8077	0.042	0.016	1-7	15	85 218	0.098 2.705	0.023 1.635	0.042 1.167	0.27 1.35	6.595	0.61	450	3	0.222	1.4	0.133 0.573	1.08 2.41	Ku,Kw - Missouri/Hare Charts	G2 T9/T10	1.53 1.24	0.004 0.093	9.53 2.37	0.034 0.22	2.74	0.034 0.254	0.02 0.96	0.001 0.045	6.18	6.14	6.835 58.762	6.833 58.673	6.869 59.016	7.513	0.644 0.694	4-9
Q2 Q100	1-7		15	85	0.85	0.88	0.105	0.093	0.022	0.056	0.038	0.3	3		0.052			LIL (SAG) GULLY PIT "M" LINTEL OVER 1200Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8077	0.056	0																Ku,Kw - Missouri/Hare Charts	T1/T3	1.22		1.5	0.104	1.81	0.125						6.854 58.673	7.513	0.659	4-10
Q2 Q100	6-1	6-1 to 1-4	15	85 226	0.85	0.88 0.78	0.163	0.143 0.457	0.034 0.287	0.047 0.287	0.072 0.382	0.3	3	2.892 4.038	0.091 0.128	0.424 1.235	0.038 0.158	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.024 0.118	0.024 0.169	3-1	15	85 226	0.143 0.457	0.034 0.287	0.024 0.118	0.15 1.07	6.994	0.29	450	3	0.153	0.96	0.119 0.22	0.69 1.75	Ku,Kw - Missouri/Hare Charts	G2 G2	1.32 2.46	0.001 0.058	9.7 5.06	0.011 0.293		0.011 0.293	0.01 0.45	0 0.052	6.44	6.42	7.025 62.314	7.024 62.262	7.036 62.607	7.768	0.732 0.046	5-1

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE: N.T.S

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL

RPEQ SIGNATURE		DATE
		RPEQ No 7198
		20.01.25
DRAWN	DESIGNED	CHECKED
I.F.	N.G.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

AEP 39% STORMWATER EVENT
HYDROLOGY CALCULATIONS
(SHEET 1 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C241
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\ORG\2319-STG7-C241.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg

DESIGN ARI	LOCATION		SUB-CATCHMENT RUNOFF							INLET DESIGN												DRAIN DESIGN												PART FULL		HEAD LOSSES										DESIGN LEVELS							
	STRUCTURE No	DRAIN SECTION	Tc	I	fi	C	A	CxA	Qc	Qa	QRC				dg	Vg	dg.Vg	STRUCTURE	Qg	Qb		Tc	I	CxA	Qrat	Q	V	L	S			Qcap	Vcap		Vp			S / DO	V2/2g	Ku	hu	Kw	hw	Sf	hf								
			SUB-CATCHMENT TIME OF CONC.	RAINFALL INTENSITY	FRACTION IMPERVIOUS	COEFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT IMPERVIOUS AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	HALF ROAD CAPACITY	ROAD GRADE AT INLET	ROAD XFALL AT INLET	FLOW WIDTH	FLOW DEPTH	FLOW VELOCITY	Velocity-Depth	TYPE AND DESCRIPTION	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE	CRITICAL TIME OF CONC.	RAINFALL INTENSITY	TOTAL (C x A)	PEAK FLOW	PIPE FLOW	PIPE VELOCITY	REACH LENGTH	PIPE GRADE	PIPE SIZE	PIPE CLASS	CAPACITY FLOW	CAPACITY VELOCITY	PARTIAL DEPTH	PARTIAL DEPTH VELOCITY	12D KU Method	12D KU/KW CHART IDENTIFIER	SUBMERGENCE RATIO	VELOCITY HEAD	U/S HEAD LOSS COEFFICIENT	U/S HEAD LOSS	W.S.E COEFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE (HGL grade)	PIPE FRICTION HEAD LOSS	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L	PIPE D/S H.G.L	W.S.E	GRATE LEVEL	FREEBOARD	STRUCTURE No
			min	mm/h			ha	ha	m3/s	m3/s	m3/s	%	%	m	m	m/s	m^2/s		m3/s	m3/s		min	mm/hr	ha	m3/s	m3/s	m/s	m	%	mm		m3/s	m/s	m	m/s				m		m		m	%	m	m	m	m	m	m	m	m	
Q2 Q100	1-4		15	85 226	0.85	0.88 0.78	0.117	0.103 0.183	0.024 0.115	0.028 0.115	0.073 0.382	0.3	3	2.369 2.85	0.076 0.094	0.373 0.985	0.028 0.093	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1500Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.014 0.078	0.014 0.037	1-5		225	0.641	0.401	0.194	1.76							0.275	2.24	Ku,Kw - Missouri/Hare Charts	T1/T3 T6/T9	1.26 1.99	0.158	1.3 1.9	0.03 0.299	1.55 2.19	0.035 0.345	1.23	0.468			61.963	61.495	7.03 62.308	7.761	0.731 0.235	5-2
Q2 Q100	7-1	7-1 to 1-3	15	85 226	0.85	0.88 0.78	0.05	0.044 0.15	0.01 0.094	0.026 0.132	0.073 0.383	0.28	3	2.382 2.993	0.074 0.099	0.365 1.019	0.027 0.1	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.013 0.085	0.013 0.046	6-1	15	85 223	0.044 0.79	0.01 0.49	0.013 0.274	0.08 1.72	6.929	0.29	450	3	0.153	0.96	0.089 0.279	0.59 2.65	Ku,Kw - Missouri/Hare Charts	G2 T1	1.22 1.36	0 0.152	9.7 1.08	0.003 0.163		0.003 0.163	0 1.36	0 0.851	6.51	6.49	7.057 61.332	7.057 60.528	7.06 61.495	7.842	0.781 0.451	5-3
Q2 Q100	1-3		15	85 226	0.85	0.88 0.78	0.032	0.028 0.195	0.007 0.122	0.007 0.169	0.074 0.42	0.34	3	1.32 3.179	0.049 0.104	0.27 1.161	0.013 0.121	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1200Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.003 0.101	0.003 0.068	1-4															Ku,Kw - Missouri/Hare Charts	T1/T3 T9	1.18 1.81		1.27 2.21	0.017 0.568	1.53 2.6	0.02 0.666							7.06 60.627	7.835	0.775 0.34	4-7
Q2 Q100	11-1	11-1 to 28-4	15	85 0	0.85	0.88	0.127	0.111 0	0.026 0	0.043 0	0.057	0.3	3	2.757	0.089	0.414	0.037	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.021 0	0.021 0	28-6	15	85 390	0.111 0	0.026 0	0.021 0	0.1 0	6.201	0.65	525	3	0.346	1.6	0.088 0	0.88 0	Ku,Kw - Missouri/Hare Charts	G2	1.01	0 0	9.7 0	0.005 0		0.005 0	-0.03 0.43	0.004 0.06	6.4	6.36	6.541 58.8	6.543 58.74	6.546 58.8	8.163	1.617 1.3	6-1
Q2 Q100	28-4		15	85	0.85	0.88	0.095	0.083	0.02	0.039	0.056	0.3	3	2.652	0.086	0.405	0.035	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8072	0.019	0.019	16-1															Ku,Kw - Missouri/Hare Charts	T3/T6	1		1.79	0.002	2.27	0.003							6.543 58.74	8.16	1.616	6-2
Q2 Q100	16-1	16-1 to 28-6	15	85 277	0.85	0.88 0.87	0.019	0.017 0.281	0.004 0.216	0.023 0.385	0.059 0.385	0.3	3	2.249 4.702	0.071 0.143	0.359 1.311	0.026 0.187	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.012 0.162	0.012 0.223	LOST	15	85 277	0.017 0.281	0.004 0.216	0.012 0.162	0.04 1.02	6.104	0.49	600	3	0.431	1.52	0.068 0.201	0.66 2.37	Ku,Kw - Missouri/Hare Charts	G2 G1	1 1.86	0 0.053	9.7 5.4	0.001 0.286		0.001 0.286	0 0.32	0 0.076	6.31	6.28	6.489 61.104	6.489 61.027	6.49 61.39	8.086	1.596 0.207	8-1
Q2 Q100	28-6		15	85	0.85	0.88	0.104	0.091	0.021	0.043	0.062	0.3	3	2.911	0.084	0.417	0.035	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1500Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.021	0.021	LOST															Ku,Kw - Missouri/Hare Charts	T3/T6 T9/T10	1 2.03		1.9 2.01	0.002 0.021	2.32 2.46	0.002 0.026							6.489 61.032	8.085	1.595 0.227	4-5
Q2 Q100	18-1	18-1 to 28-3	15	85 205	0.85	0.88 0.83	0.135	0.118 1.031	0.028 0.587	0.033 0.587	0.056 0.8	0.3	3	2.406 3.996	0.084 0.127	0.388 2.57	0.032 0.327	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.016 0.154	0.016 0.433	11-1	15	85 205	0.118 1.031	0.028 0.587	0.016 0.154	0.1 0.97	6.319	0.79	450	3	0.254	1.6	0.077 0.232	0.9 1.87	Ku,Kw - Missouri/Hare Charts	G2 G2	1.01 1.84	0.001 0.048	9.7 7.86	0.005 0.378		0.005 0.378	-0.09 -0.07	0.007 0.028	6.47	6.42	6.574 62.116	6.579 62.123	6.579 62.494	8.274	1.695 0.601	9-1
Q2 Q100	28-3		15	85 226	0.85	0.88 0.78	0.145	0.128 0.21	0.03 0.132	0.039 0.146	0.056 0.8	0.3	3	2.569 2.342	0.088 0.08	0.405 1.822	0.036 0.146	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.019 0.078	0.019 0.067	28-4															Ku,Kw - Missouri/Hare Charts	T3/T6 T9/T10	1 1.83		1.86 2.15	0.001 0.319	2.47 2.53	0.002 0.374							6.58 62.178	8.269	1.689 0.754	4-2
Q2 Q100	28-1	28-1 to 28-2	15	85	0.85	0.88	0.047	0.041	0.01	0.01	0.061	0.3	3	1.588	0.054	0.291	0.016	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.005	0.005	18-1	15	85 390	0.041 0	0.01 0	0.005 0	0.03 0	6.548	0.31	450	3	0.158	0.99	0.054 0	0.45 0	Ku,Kw - Missouri/Hare Charts	G2	1	0 0	9.7 0	0 0		0 0	0.07 0	0.008 0	6.54	6.52	6.6 58.982	6.596 58.982	6.601 58.982	8.383	1.782 1.032	10-1
Q2 Q100	28-2	28-2 to 28-3	15	85	0.85	0.88	0.083	0.073	0.017	0.017	0.056	0.3	3	1.954	0.067	0.329	0.022	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1050Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.009	0.009	28-3	15	85 382	0.114 0	0.027 0	0.013 0	0.05 0	35.98	0.22	600	3	0.29	1.02	0.088 0	0.52 0	Ku,Kw - Missouri/Hare Charts	G1/T9/T10	1	0 0	3.75 0	0 0	3.88	0 0	0.04 0	0.024 0	6.5	6.42	6.595 58.982	6.579 58.982	6.596 58.982	8.375	1.78 0.768	10-2
Q2 Q100	28-3	28-3 to 28-4	15	85	0.85	0.88	0.145	0.128	0.03	0.039	0.056	0.3	3	2.569	0.088	0.405	0.036	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.019	0.019	28-4	15.05	85	0.357	0.084	0.048	0.11	36.4	0.14	750	3	0.413	0.93	0.174	0.63	Ku,Kw - Missouri/Hare Charts	T3/T6 T9/T10	1 1.24	0.001	1.86 2.37	0.001 0.22	2.47 2.74	0.002 0.254	0.1	0.039	6.4	6.35	6.578	6.543	6.58 59.016	8.269	1.689 0.694	4-9
Q2 Q100	28-4	28-4 to 28-5	15	85	0.85	0.88	0.095	0.083	0.02	0.039	0.056	0.3	3	2.652	0.086	0.405	0.035	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8072	0.019	0.019	16-1	15.36	84 390	0.552 0	0.129 0	0.088 0	0.16 0	12.66	0.16	825	3	0.571	1.07	0.219 0	0.77 0	Ku,Kw - Missouri/Hare Charts	T3/T6	1	0.001 0	1.79 0	0.002 0	2.27	0.003 0	0.26 0	0.026 0	6.33	6.31	6.54 59.602	6.507 59.602	6.543 59.602	8.16	1.616 1.048	11-1
Q2 Q100	28-5	28-5 to 28-6																1500Ø STORMWATER ACESS CHAMBER Refer BCC BSD-8021				15.46	84	0.552	0.128	0.088	0.16	13.49	0.22	825	3	0.677	1.27	0.2	0.87	Ku,Kw - Missouri/Hare Charts	T6/T9 T1	1 1.06	0.001	2.42 0.2	0.003 0.05	2.71	0.004 0.05	0.11	0.02	6.29	6.26	6.504	6.489	6.507 59.602	8.156	1.648 0.813	4-8
Q2 Q100	28-6	28-6 to 13-8	15	85	0.85	0.88	0.104	0.091	0.021	0.043	0.062	0.3	3	2.911	0.084	0.417	0.035	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1500Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.021	0.021	LOST	15.52	84 390	0.659 0	0.153 0	0.12 0	0.14 0	43.56	0.11	1050	3	0.926	1.07	0.255 0	0.74 0	Ku,Kw - Missouri/Hare Charts	T3/T6	1	0.001 0	1.9 0	0.002 0	2.32	0.002 0	0.25 0	0.073 0	6.24	6.19	6.487 58.982	6.379 58.982	6.489 58.982	8.085	1.595 0.795	12-1
Q2 Q100	13-8																	CONCRETE HEADWALL																						0	0		0							6.379 58.982	8.076	0.768	10-2
Q2	RW3-1	RW3-1 to RW3-2	15	85	0.85	0.88	0.044	0.038	0.009	0.009	0.206				0.032			MRC FIELD INLET - 900x600 TYPE 2 Refer BCC BSD-8091	0.009	0		15	85	0.038	0.009	0.009	0.13	20	0.4	300	PVC	0.061	0.87	0.078	0.62	Direct			0.001	0	0		0	0.21	0.054	7.34	7.26	7.418	7.377	7.418	8.128	0.71	
Q2	RW3-2	RW3-2 to RW3-3	15	85	0.01	0.75	0.06	0.045	0.011	0.011	0.014				0.038			MRC FIELD INLET - 900x600 TYPE 2 Refer BCC BSD-8091	0.011	0		15.17	84	0.083	0.02	0.02	0.28	20	0.4	300	PVC	0.061	0.87	0.117	0.77	Direct			0.004	0	0		0	0.23	0.061	7.26	7.18	7.377	7.33	7.377	8.101	0.724	
Q2	RW3-3	RW3-3 to RW3-4	15	85	0.01	0.75	0.06	0.045	0.011	0.011	0.014				0.038			MRC FIELD INLET - 900x600 TYPE 2 Refer BCC BSD-8091	0.011	0		15.17	84	0.128	0.03	0.03	0.43	20	0.4	300	PVC	0.061	0.87	0.148	0.86	Direct			0.009	0	0		0	0.21	0.058	7.18	7.1	7.33	7.288	7.33	8.054	0.724	
Q2	RW3-4	RW3-4 to RW3-5	15	85	0.01	0.75	0.06	0.045	0.011	0.011	0.014				0.038			MRC FIELD INLET - 900x600 TYPE 2 Refer BCC BSD-8091	0.011	0		15.33	84	0.173	0.04	0.04	0.57	20	0.4	300	PVC	0.061	0.87	0.178	0.92	Direct			0.017	0	0		0	0.2	0.054	7.1	7.02	7.288	7.247	7.288	8.01	0.722	
Q2	RW3-5	RW3-5 to RW3-6	15	85	0.01	0.75	0.06	0.045	0.011	0.011	0.014				0.038			MRC FIELD INLET - 900x600 TYPE 2 Refer BCC BSD-8091	0.011	0		15.33	84	0.217	0.051	0.051	0.72	20	0.4	300	PVC	0.061	0.87	0.209	0.97	Direct			0.026	0	0		0	0.24	0.057	7.02	6.94	7.247	7.199	7.247	7.987	0.739	
Q2	RW3-6	RW3-6 to RW3-7	15	85	0.01	0.75	0.06	0.045	0.011	0.011	0.014				0.038			MRC FIELD INLET - 900x600 TYPE 2 Refer BCC BSD-8091	0.011	0		15.5	84	0.262	0.061	0.061	0.86	20	0.4	300	PVC	0.061	0.87	0.245	0.99	Direct			0.038	0	0		0	0.34	0.071	6.94	6.86	7.199	7.13	7.199	7.956	0.757	
Q2	RW3-7	RW3-7 to 1-1	15	85	0.01	0.75	0.06	0.045	0.011	0.011	0.014				0.038			MRC FIELD INLET - 900x600 TYPE 2 Refer BCC BSD-8091	0.011	0		15.5	84	0.306	0.071	0.071	0.45	33.8	0.41	450	2	0.184	1.15	0.194	1.08	Direct			0.01	0	0		0	0.04	0.028	6.86	6.72	7.13	7.116	7.13	7.974	0.844	
Q2	1-1		15	85	0.85	0.88	0.016	0.014	0.003	0.008	0.191	3.3	3	0.856	0.04	0.605	0.024	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1050Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.004	0.004	LOST															Ku,Kw - Missouri/Hare Charts	T3	1.2		1.7	0.019	2.09	0.023							7.121	8.162	1.041	
Q2	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	
Q2	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	
Q2	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	
Q2	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	
Q2	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

XREFS :- X_DC_CIVIL.dwg

SCALE
N.T.S

SIG GROUP

DYKMAN CONSULTING

Certified System
Quality
ISO 9001
SAI GLOBAL

APPROVAL
RPEQ SIGNATURE
7198
RPEQ No
20.01.25
DATE

DRAWN	DESIGNED	CHECKED
I.F.	N.G.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

AEP 39% STORMWATER EVENT
HYDROLOGY CALCULATIONS
(SHEET 2 OF 3)

ISSUE:
ISSUE FOR CONSTRUCTION

PROJECT No:
2319

DRAWING No:
2319-STG7-C242

REV:
2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_2319\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C242.dwg   Plot Date: 25 Jun, 2025

DESIGN ARI	LOCATION		SUB-CATCHMENT RUNOFF							INLET DESIGN													DRAIN DESIGN											PART FULL		HEAD LOSSES									DESIGN LEVELS						
	STRUCTURE No	DRAIN SECTION	Tc	I	fi	C	A	CxA	Qc	Qa	QRC				dg	Vg	dg.Vg	STRUCTURE	Qg	Qb		Tc	I	CxA	Qrat	Q	V	L	S			Qcap	Vcap		Vp			S / D0	V2/2g	Ku	hu	Kw	hw	Sf	hf							
			SUB-CATCHMENT TIME OF CONC.	RAINFALL INTENSITY	FRACTION IMPERVIOUS	COEFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT IMPERVIOUS AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	HALF ROAD CAPACITY	ROAD GRADE AT INLET	ROAD XFALL AT INLET	FLOW WIDTH	FLOW DEPTH	FLOW VELOCITY	Velocity-Depth	TYPE AND DESCRIPTION	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE	CRITICAL TIME OF CONC.	RAINFALL INTENSITY	TOTAL (C x A)	PEAK FLOW	PIPE FLOW	PIPE VELOCITY	REACH LENGTH	PIPE GRADE	PIPE SIZE	PIPE CLASS	CAPACITY FLOW	CAPACITY VELOCITY	PARTIAL DEPTH	PARTIAL DEPTH VELOCITY	12D KU Method	12D KU/KW CHART IDENTIFIER	SUBMERGENCE RATIO	VELOCITY HEAD	U/S HEAD LOSS COEFFICIENT	U/S HEAD LOSS	W.S.E COEFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE (HGL grade)	PIPE FRICTION HEAD LOSS	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L	PIPE D/S H.G.L	W.S.E	GRATE LEVEL	FREEBOARD	STRUCTURE No
			min	mm/h			ha	ha	m3/s	m3/s	m3/s	%	%	m	m	m/s	m^2/s		m3/s	m3/s		min	mm/hr	ha	m3/s	m3/s	m/s	m	%	mm		m3/s	m/s	m	m/s				m		m		m	%	m	m	m	m	m	m	m	
Q2 Q100	1-1	1-1 to 1-2	15	85 1-1	0.85	0.88 13	0.016 205	0.014 0.35	0.003 0.71	0.008 0.731	0.191 0.515	3.3	3	0.856 0.452	0.04 2.18	0.605 3	0.024 3.814	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1050Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.004 0.172	0.004 0.185	LOST	15.78	83 0.185	0.32 3-1	0.074 13	0.074 205	0.47 0.515	7.495	0.44	450	3	0.189	1.19	0.196 3	1.12 0.264	Ku,Kw - Missouri/Hare Charts	T3 0.167	1.2 2.27	0.011 Ku,Kw - Missouri /Hare Charts	1.7 G2	0.019 3.15	2.09 0.049	0.023 3.64	0.07 0.179	0.005	6.58	6.547	7.097 0.051	7.092 62.3	7.121 62	8.162	1.041 63.253	63.482
Q2 Q100	1-2	1-2 to 1-3		1-2		10	226	0.4	0.81	0.317	0.257			0.452	2.18	3	3.036	1500Ø STORMWATER ACESS CHAMBER Refer BCC BSD-8021	0.121	0.068		15.68	83 0.068	0.493 1-3	0.114 10	0.094 226	0.43 0.704	35.54	0.3	525	3	0.236	1.09	0.23 3	1.03 0.27	Ku,Kw - Missouri/Hare Charts	T3/T6 0.231	1.04 2.64	0.01 Ku,Kw - Missouri /Hare Charts	1.95 T6/T9	0.019 3.39	2.29 0.149	0.022 1.58	0.05 0.236	0.017 1.7	6.547	6.44	7.074 0.489	7.057 62	7.096 61	8.148	1.053 62.527	63.27
Q2 Q100	1-3	1-3 to 1-4	15	85 1-3	0.85	0.88 10	0.032 226	0.028 0.4	0.007 0.81	0.007 0.074	0.074 0.06	0.34	3	1.32 0.201	0.049 0.16	0.27 3	0.013	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1200Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.003	0.003 0.588	1-4	15.81	83 0.588	0.563 LOST	0.13 8.08	0.109 246	0.5 0.928	24.49	0.3	525	3	0.235	1.09	0.252 3	1.07 0.428	Ku,Kw - Missouri/Hare Charts	T1/T3 0.417	1.18 2.25	0.013 Ku,Kw - Missouri /Hare Charts	1.27 T6/T9	0.017 2.95	1.53 0.187	0.02 1.76	0.06 0.33	0.016 1.87	6.44	6.367	7.04 0.109	7.024 61	7.06 60.884	7.835	0.775 62.088	62.547
Q2 Q100	1-4	1-4 to 1-5	15	85 1-4	0.85	0.88 0	0.117 0	0.103 0	0.024	0.028 0	0.073 0	0.3	3	2.369 0.359	0.076 1.83	0.373	0.028 3.778	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1500Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8021, BSD-8024	0.014 0.135	0.014 0.229	1-5	15.7	83 0.229	0.803 1-3	0.186 13.08	0.144 204	0.67 2.197	44.65	0.3	525	3	0.235	1.09	0.297 3	1.14 0.566	Ku,Kw - Missouri/Hare Charts	T1/T3 0.6	1.26 2.33	0.023 Ku,Kw - Missouri /Hare Charts	1.3 T9/T10	0.03 2.17	1.55 0.278	0.035 1.97	0.11 0.546	0.05 2.32	6.367	6.233	6.995 0.397	6.944 60.884	7.03 60.575	7.761	0.731 61.098	62.186
Q2 Q100	1-5	1-5 to 1-6	15	85 1-5	0.85	0.88	0.155	0.136	0.032	0.046	0.075	0.3	3	2.952	0.087	0.423	0.037	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.023	0.023	1-6	16.02	82	1.093	0.25	0.194	0.68	19.81	0.3	600	3	0.336	1.19	0.326	1.23	Ku,Kw - Missouri/Hare Charts	T1/T3	1.19	0.024	1.31	0.031	1.54	0.037	0.1	0.02	6.233	6.174	6.913	6.894	6.95	7.627	0.677	61.098
Q2 Q100	1-6	1-6 to 1-7	15	85 2-1	0.85	0.88 13	0.059 205	0.052 0.35	0.012 0.7	0.035 0.55	0.07 0.388	0.3	3	2.478 0.539	0.086 3.1	0.396 3	0.034 3.201	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.018 0.157	0.018 0.141	1-7	15.8	83 0.141	1.207 3-1	0.278 13	0.233 205	0.82 0.388	18.11	0.3	600	3	0.335	1.19	0.368 3	1.28 0.282	Ku,Kw - Missouri/Hare Charts	T1/T3 0.137	1.21 2.2	0.035 Ku,Kw - Missouri /Hare Charts	0.99 G2	0.034 2.6	1.14 0.027	0.04 4.69	0.14 0.126	0.026	6.174	6.12	6.859 0.02	6.833 61.75	6.899 61.5	7.567	0.669 62.577	62.724
Q2 Q100	1-7	1-7 to 1-8	15	85 2-2	0.85	0.88 13	0.105 205	0.093 0.35	0.022 0.7	0.056 1.043	0.038 0.735	0.3	3	0.539	0.052 3.1	3	4.082	LIL (SAG) GULLY PIT "M" LINTEL OVER 1200Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8077	0.056 0.227	0 0.229		15.75	83 0.229	1.39 1-4	0.321 13	0.329 205	1.16 1.122	10.31	0.29	600	3	0.331	1.17	0.488 3	1.34 0.29	Ku,Kw - Missouri/Hare Charts	T1/T3 0.343	1.22 2.07	0.069 Ku,Kw - Missouri /Hare Charts	1.5 G1/T9/T10	0.104 2.44	1.81 0.146	0.125 2.75	0.29 0.403	0.03 2.88	6.12	6.09	6.729 0.086	6.7 61.5	6.854 61.4	7.513	0.659 62.088	62.596
Q2 Q100	1-8	1-8 to 1-9		1-4		0	0	0		0	0			0.359	1.83		3.778	CUSTOM CONCRETE MANHOLE AND PIT. REFER DWG 2319-STG7-C214 Refer BCC BSD-8021, BSD-8024	0.135	0.229		15.83	83 0.229	1.39 1-3	0.32	0.328	0.74	24.54	0.1	750	3	0.355	0.8	0.569	0.91	Ku,Kw - Missouri/Hare Charts	T9/T10	1.1	0.028 Ku,Kw - Missouri /Hare Charts	2.17 T9/T10	0.061 2.17	2.75	0.078 1.97	0.11 0.546	0.027 2.32	6.09	6.065	6.639	6.611	6.716	7.639	0.923	62.186
Q2 Q100	1-9	1-9 to 1-10	15	85 3-1	0.85	0.88 8	0.115 246	0.101 0.35	0.024 0.7	0.024 0.36	0.418 0.254	0.3	3	2.136 0.045	0.081 0.45	0.368	0.03	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.012	0.012 0.455	5-2	16.04	82 0.455	1.492 1-3	0.341 8	0.338 246	0.76 0.254	88.59	0.1	750	3	0.351	0.79	0.591 3	0.9 0.299	Ku,Kw - Missouri/Hare Charts	T1/T3 0.117	1.02 1.35	0.03 Ku,Kw - Missouri /Hare Charts	0.55 G2	0.016 2.77	0.6 0.004	0.018 4.31	0.16 0.017	0.129	6.065	5.977	6.595 0.002	6.451 61.3	6.612 61.2	7.898	1.286 62.527	62.547
Q2 Q100	1-10	1-10 to 1-11	15	85 1-3	0.85	0.88 10	0.176 226	0.154 0.4	0.036 0.81	0.036 0.074	0.412 0.06	0.3	3	2.527 0.201	0.092 0.16	0.405 3	0.037	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.018	0.018 0.588	LOST	16.72	81 0.588	1.643 LOST	0.369	0.347	0.78	23.63	0.1	750	3	0.355	0.8	0.6	0.92	Ku,Kw - Missouri/Hare Charts	T1	1.02	0.031 Ku,Kw - Missouri /Hare Charts	0.44 T6/T9	0.014 2.95		0.014 1.76	0.52 0.33	0.06 1.87	5.977	5.953	6.437	6.313	6.451	7.804	1.354	62.547
Q2 Q100	1-11			277		0.87	0.102	0.09	0.069	0.069	0.467			2.161	0.075	1.011	0.076	CONCRETE HEADWALL	0.055	0.014			277	0.09	0.069	0.055	0.5							0.097	2.44		G1	1.24	0.013	7	0.09		0.09	4.68	2.539			64.722	62.123	6.313 64.812	7.742	0.726	4-1
Q2 Q100	2-1	2-1 to 1-6	15	85 226	0.85	0.88 0.78	0.085 0.269	0.074 0.21	0.018 0.132	0.048 0.146	0.07 0.8	0.3	3	2.784 2.342	0.094 0.08	0.426 1.822	0.04 0.146	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.024 0.078	0.024 0.067	5-2	15	85 226	0.074 1.227	0.018 0.77	0.024 0.271	0.15 1.7	6.832	0.29	450	3	0.154	0.97	0.119 0.2	0.7 3.97	Ku,Kw - Missouri/Hare Charts	G2 T9/T10	1.47 1.83	0.001 0.148	9.7 2.15	0.011 0.319	2.53	0.011 0.374	0.01 2.35	0 0.803	6.244	6.224	6.894 61.804	6.894 61.049	6.905 62.178	7.573	0.668 0.754	4-2
Q2 Q100	1-6		15	85 226	0.85	0.88 0.78	0.059 0.065	0.052 0.051	0.012 0.032	0.035 0.322	0.07 0	0.3	3	2.478	0.086 0.133	0.396	0.034	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.018 -0.168	0.018 0.491	1-7		224	1.278	0.796	0.096	0.34								0.162	1.55	Ku,Kw - Missouri/Hare Charts	T1/T3 T9/T10	1.21 2.27	0.006	0.99 1.8	0.034 0.011	1.14 2.49	0.04 0.015	0.02	0.002			61.034	61.032	6.899 61.049	7.567	0.669 0	4-3
Q2 Q100	3-1	3-1 to 1-5	15	85 226	0.85	0.88 0.78	0.177 0.185	0.155 0.145	0.037 0.091	0.06 1.014	0.073 0.027	0.3	3	3.227	0.097 0.275	0.451	0.044	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.03 1.014	0.03 0	2-1	15	85 224	0.155 1.423	0.037 0.883	0.03 1.107	0.19 2.51	6.905	0.31	450	3	0.16	1	0.132 0.614	0.77 2.86	Ku,Kw - Missouri/Hare Charts	G2 G2/T9/T10	1.46 1.92	0.002 0.001	9.7 6.5	0.018 0.005	6.56	0.018 0.005	0.01 0	0.001 0	6.305	6.283	6.945 61.027	6.944 61.027	6.963 61.032	7.633	0.67 0	4-4
Q2 Q100	1-5		15	85	0.85	0.88	0.155	0.136	0.032	0.046	0.075	0.3	3	2.952	0.087	0.423	0.037	LIL (ON-GRADE) GULLY PIT "S" LINTEL OVER 1350Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.023	0.023	1-6		225	1.718	1.072	1.241	2.81							0.75	2.81	Ku,Kw - Missouri/Hare Charts	T1/T3 T9/T10	1.19 2.03	0.011	1.31 2.01	0.031 0.021	1.54 2.46	0.037 0.026	0.03	0.004			61.006	61.001	6.95 61.032	7.627	0.677 0.227	4-5
Q2 Q100	4-1	4-1 to 4-2	15	85 277	0.85	0.88 0.87	0.043 0.004	0.038 0.003	0.009 0.002	0.009 0.002	0.12 0.172	1.06	3	1.154 0.475	0.045 0.027	0.464 0.457	0.021 0.012	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.004 -0.398	0.004 0.4	1-1	15	85 224	0.038 1.722	0.009 1.071	0.004 0.839	0.04 1.9	6.98	0.43	375	3	0.115	1.04	0.051 0.493	0.5 2.73	Ku,Kw - Missouri/Hare Charts	G2 T10	1 2.16	0 0.184	9.7 1.97	0.001 0.362	2.29	0.001 0.423	0 0.57	0 0.045	6.92	6.89	7.103 60.573	7.103 60.528	7.104 60.995	8.526	1.422 0.006	4-6
Q2 Q100	4-2	4-2 to 1-2	15	85 226	0.85	0.88 0.78	0.156 0.25	0.137 0.195	0.032 0.122	0.032 0.169	0.113 0.42	1.17	3	2.132 3.179	0.061 0.104	0.635 1.161	0.039 0.121	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.016 0.101	0.016 0.068	7-1	15	85 220	0.175 2.724	0.041 1.667	0.021 1.198	0.19 2.24	17.19	0.41	375	3	0.112	1.01	0.109 0.506	0.77 3.49	Ku,Kw - Missouri/Hare Charts	G1/T9 T9	1.02 1.81	0.002 0.256	5.11 2.21	0.009 0.568	5.18 2.6	0.009 0.666	0.01 1.28	0.004 0.399	6.87	6.8	7.094 59.961	7.092 59.602	7.103 60.627	8.498	1.395 0.34	4-7
Q2 Q100	1-2																	1500Ø STORMWATER ACESS CHAMBER Refer BCC BSD-8021					219	2.724	1.655	1.186	2.22							0.478	3.7	Ku,Kw - Missouri/Hare Charts	T3/T6 T1	1.04 1.06	0.251	1.95 0.2	0.019 0.05	2.29	0.022 0.05	1.29	0.663			59.552	58.982	7.096 59.602	8.148	1.053 0.813	4-8
Q2 Q100	5-2	5-2 to 1-7	15	85	0.85	0.88	0.112	0.098	0.023	0.059	0.042	0.3	3		0.035			LIL (SAG) GULLY PIT "M" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8077	0.042	0.016	1-7	15	85 218	0.098 2.705	0.023 1.635	0.042 1.167	0.27 1.35	6.595	0.61	450	3	0.222	1.4	0.133 0.573	1.08 2.41	Ku,Kw - Missouri/Hare Charts	G2 T9/T10	1.53 1.24	0.004 0.093	9.53 2.37	0.034 0.22	2.74	0.034 0.254	0.02 0.96	0.001 0.045	6.18	6.14	6.835 58.762	6.833 58.673	6.869 59.016	7.513	0.644 0.694	4-9
Q2 Q100	1-7		15	85	0.85	0.88	0.105	0.093	0.022	0.056	0.038	0.3	3		0.052			LIL (SAG) GULLY PIT "M" LINTEL OVER 1200Ø ACCESS CHAMBER MOUNTABLE K&C Refer BCC BSD-8051, BSD-8077	0.056	0																Ku,Kw - Missouri/Hare Charts	T1/T3	1.22		1.5	0.104	1.81	0.125						6.854 58.673	7.513	0.659	4-10
Q2 Q100	6-1	6-1 to 1-4	15	85 226	0.85	0.88 0.78	0.163	0.143 0.457	0.034 0.287	0.047 0.287	0.072 0.382	0.3	3	2.892 4.038	0.091 0.128	0.424 1.235	0.038 0.158	LIL (ON-GRADE) GULLY PIT "S" LINTEL MOUNTABLE K&C Refer BCC BSD-8051, BSD-8071	0.024 0.118	0.024 0.169	3-1	15	85 226	0.143 0.457	0.034 0.287	0.024 0.118	0.15 1.07	6.994	0.29	450	3	0.153	0.96	0.119 0.22	0.69 1.75	Ku,Kw - Missouri/Hare Charts	G2 G2	1.32 2.46	0.001 0.058	9.7 5.06	0.011 0.293		0.011 0.293	0.01 0.45	0 0.052	6.44	6.42	7.025 62.314	7.024 62.262	7.036 62.607	7.768	0.732 0.046	5-1

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
0	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE: N.T.S

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL

RPEQ SIGNATURE		DATE
		RPEQ No 7198
		20.01.25
DRAWN	DESIGNED	CHECKED
I.F.	N.G.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

AEP 39% STORMWATER EVENT
HYDROLOGY CALCULATIONS
(SHEET 3 OF 3)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C243
REV: 0

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\ORG\2319-STG7-C243.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg

SEWERAGE RETICULATION NOTES:

1. ALL CONSTRUCTION WORK TO COMPLY WITH THE CTM WATER SERVICE D&C CODE. ALL SEWER LINE LENGTHS AND GRADES ARE MEASURED FROM CENTRE OF MANHOLE TO CENTRE OF MANHOLE U.N.O.
2. ALL SEWER LINES AND MANHOLES TO BE OFFSET 1.5m FROM PROPERTY BOUNDARIES UNLESS CO-ORDINATES OR DIMENSIONS INDICATE OTHERWISE.
3. TOP OF NEW SEWER MANHOLES TO BE CONSTRUCTED 50mm MINIMUM ABOVE FINISHED SURFACE LEVEL IN ALLOTMENTS, AND FLUSH WITH FINISHED SURFACE IN ROADWAYS AND FOOTPATHS U.N.O. AS PER SEQ-SEW-1308-1.
4. ALL SEWER HOUSE CONNECTION BRANCHES (HCB'S) ARE TO TERMINATE MINIMUM 0.5m AND MAXIMUM 1.0m FROM PROPERTY BOUNDARIES U.N.O. AS PER SEQ-SEW-1104-1.
5. HCB'S ARE TO BE PROVIDED WITH INSPECTION TEE AND TEE LOCATION MARKER, AS PER SEQ-SEW-1104-1.
6. ALL WORKS UNDERTAKEN ON LIVE SEWERS TO BE ARRANGED BY THE CONTRACTOR BUT CARRIED OUT BY MACKAY WATER AND WASTE.
7. FOR SEWER SETOUT TABLE, REFER DRAWING 2319-STG7-C263.
8. FOR SEWER MANHOLE TYPE, REFER TO SEQ-SEW-1300-1 FOR DETAILS.
9. FOR SEWER MANHOLE DROP TYPE, REFER TO SEQ-SEW-1303-1 FOR DETAILS.
10. FOR SEWER MANHOLE COVER TYPE, REFER TO SEQ-SEW-1308-1 FOR DETAILS.
11. SEWER EASEMENTS SHOWN ON THESE DRAWINGS ARE INDICATIVE ONLY. 3m SEWER EASEMENTS CENTRALLY LOCATED OVER SEWER MAIN.
12. SEWER MAIN COMPACTION REQUIREMENTS TO BE AS PER SEQ-SEW-1101-3.
13. FOR MANHOLE PROTECTIVE COATING REQUIREMENT REFER TO CLAUSE 4.7.2 IN THE CTM WATER SERVICE D&C CODE.

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING LOT BOUNDARY
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA
- EXISTING SERVICE TO BE DEMOLISHED AND REMOVED

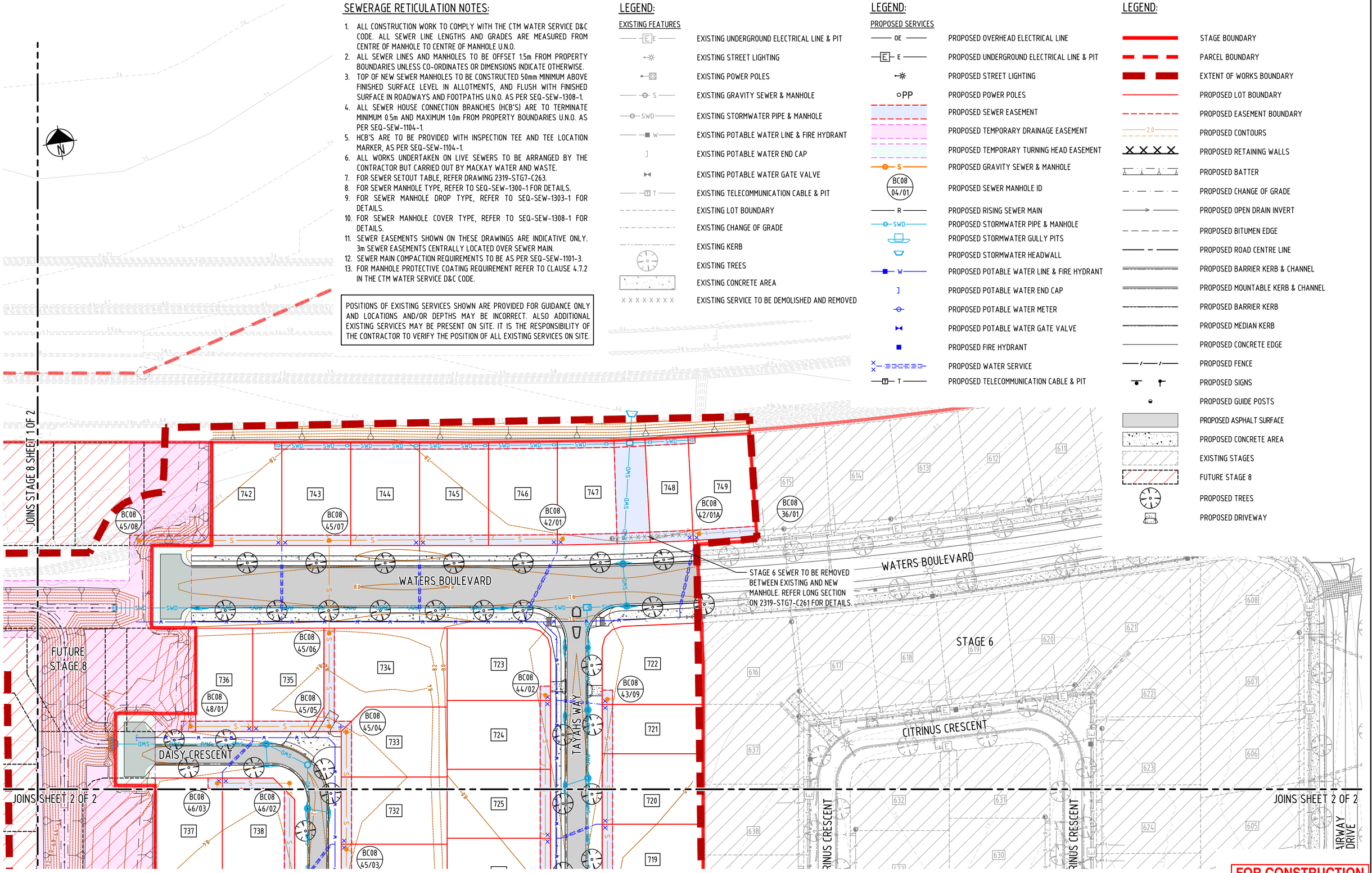
LEGEND:

PROPOSED SERVICES

- PROPOSED OVERHEAD ELECTRICAL LINE
- PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- PROPOSED GRAVITY SEWER & MANHOLE
- PROPOSED SEWER MANHOLE ID (BC08 04/01)
- PROPOSED RISING SEWER MAIN
- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER HEADWALL
- PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- PROPOSED POTABLE WATER END CAP
- PROPOSED POTABLE WATER METER
- PROPOSED POTABLE WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER SERVICE
- PROPOSED TELECOMMUNICATION CABLE & PIT

LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY



LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	B.C.	M.D.

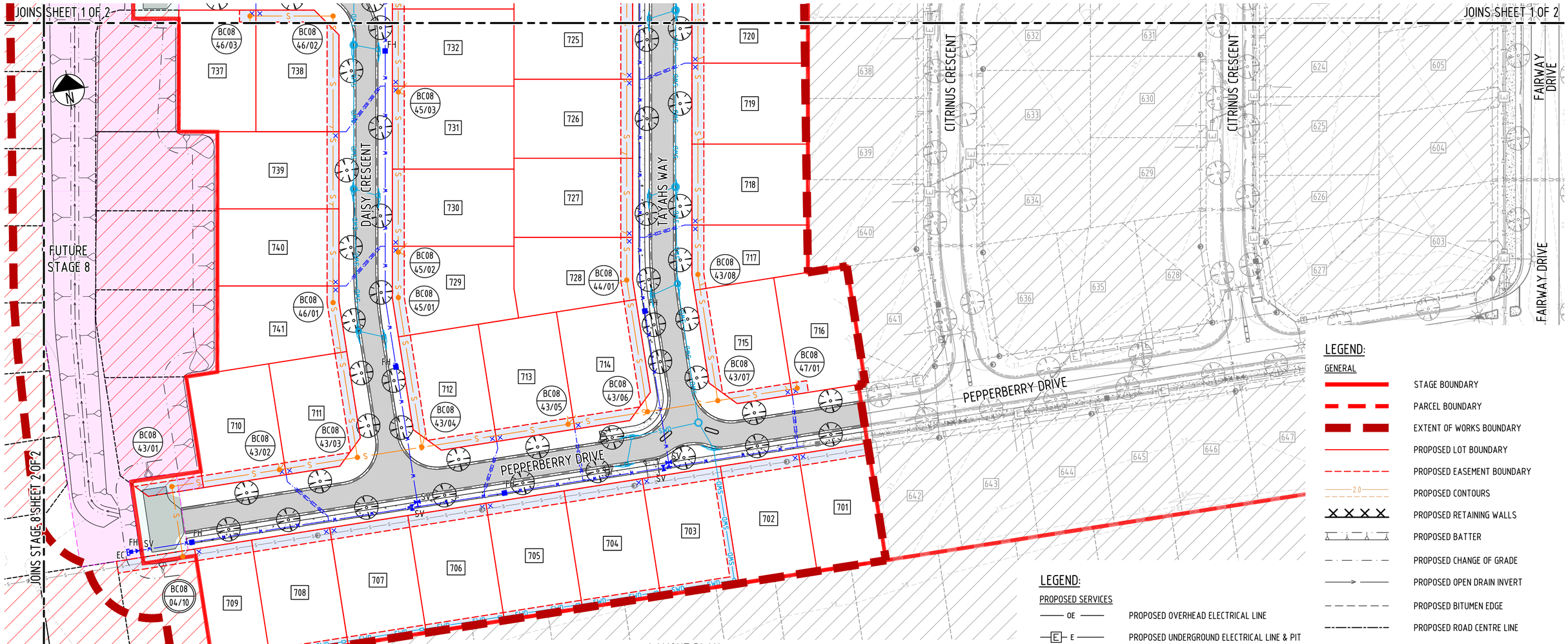
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

SEWER RETICULATION
LAYOUT PLAN
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C251
REV: 2

CAD FILENAME: C:\12dSvata\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7\Active\DRG\2319-STG7-C251.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION_NOTES_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_STREET_SEWER_RETICULATION_LAYOUT_PLAN_ANNO_500.dwg



LAYOUT PLAN
SCALE 1:500

LEGEND:
GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- 2.0 PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY

LEGEND:
PROPOSED SERVICES

- OE — PROPOSED OVERHEAD ELECTRICAL LINE
- E — PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PP — PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- S — PROPOSED GRAVITY SEWER & MANHOLE
- BC08 04/01 — PROPOSED SEWER MANHOLE ID
- R — PROPOSED RISING SEWER MAIN
- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- W — PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- PROPOSED POTABLE WATER END CAP
- PROPOSED POTABLE WATER METER
- PROPOSED POTABLE WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER SERVICE
- OF — PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- T — PROPOSED TELECOMMUNICATION CABLE & PIT

SEWERAGE RETICULATION NOTES:

1. ALL CONSTRUCTION WORK TO COMPLY WITH THE CTM WATER SERVICE D&C CODE. ALL SEWER LINE LENGTHS AND GRADES ARE MEASURED FROM CENTRE OF MANHOLE TO CENTRE OF MANHOLE U.N.O.
2. ALL SEWER LINES AND MANHOLES TO BE OFFSET 1.5m FROM PROPERTY BOUNDARIES UNLESS CO-ORDINATES OR DIMENSIONS INDICATE OTHERWISE.
3. TOP OF NEW SEWER MANHOLES TO BE CONSTRUCTED 50mm MINIMUM ABOVE FINISHED SURFACE LEVEL IN ALLOTMENTS, AND FLUSH WITH FINISHED SURFACE IN ROADWAYS AND FOOTPATHS U.N.O. AS PER SEQ-SEW-1308-1.
4. ALL SEWER HOUSE CONNECTION BRANCHES (HCB'S) ARE TO TERMINATE MINIMUM 0.5m AND MAXIMUM 1.0m FROM PROPERTY BOUNDARIES U.N.O. AS PER SEQ-SEW-1104-1.
5. HCB'S ARE TO BE PROVIDED WITH INSPECTION TEE AND TEE LOCATION MARKER, AS PER SEQ-SEW-1104-1.
6. ALL WORKS UNDERTAKEN ON LIVE SEWERS TO BE ARRANGED BY THE CONTRACTOR BUT CARRIED OUT BY MACKAY WATER AND WASTE.
7. FOR SEWER SETOUT TABLE, REFER DRAWING 2319-STG7-C263.
8. FOR SEWER MANHOLE TYPE, REFER TO SEQ-SEW-1300-1 FOR DETAILS.
9. FOR SEWER MANHOLE DROP TYPE, REFER TO SEQ-SEW-1303-1 FOR DETAILS.
10. FOR SEWER MANHOLE COVER TYPE, REFER TO SEQ-SEW-1308-1 FOR DETAILS.
11. SEWER EASEMENTS SHOWN ON THESE DRAWINGS ARE INDICATIVE ONLY. 3m SEWER EASEMENTS CENTRALLY LOCATED OVER SEWER MAIN.
12. SEWER MAIN COMPACTION REQUIREMENTS TO BE AS PER SEQ-SEW-1101-3.
13. FOR MANHOLE PROTECTIVE COATING REQUIREMENT REFER TO CLAUSE 4.7.2 IN THE CTM WATER SERVICE D&C CODE.

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

LEGEND:
EXISTING FEATURES

- E — EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- S — EXISTING GRAVITY SEWER & MANHOLE
- SWD — EXISTING STORMWATER PIPE & MANHOLE
- W — EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- T — EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING LOT BOUNDARY
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA
- EXISTING SERVICE TO BE DEMOLISHED AND REMOVED

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE 20.01.25 — RPEQ No 7198

DRAWN	DESIGNED	CHECKED
J.A	B.C.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

SEWER RETICULATION
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C252
REV: 2

CAD FILENAME: C:\12d5\data\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C252.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION_NOTES_LEGEND_SHEET 2.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_STREET_SEWER_RETICULATION_LAYOUT_PLAN_ANNO_500.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION.dwg ; X_2

NOTES:

1. ALL LEVELS, CHAINAGES AND DISTANCES IN METRES
2. REFER SEQ-SEW-1200 SERIES FOR BEDDING AND BACKFILL REQUIREMENTS
3. REFER SEQ-SEW-1300 SERIES FOR MAINTENANCE STRUCTURE TYPES AND DROPS AND FOR RIGGS COMPLIANT APPURTENANCES
4. PIPE MATERIAL TO BE SPECIFIED AS REQUIRED BY RIGGS
5. REFER SEQ-SEW-1106 SERIES FOR PROPERTY CONNECTION TYPES
6. REFER TO SEQ-SEW1206-1 FOR BULKHEADS AND TRENCHSTOP DETAILS

LEGEND

FP = VERGE
PP = PRIVATE PROPERTY
MH = MANHOLE
MS = MAINTENANCE SHAFT
B = CLASS B NON-TRAFFICABLE

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
3	ISSUE FOR CONSTRUCTION	30.05.25	M.D.
2	ISSUE FOR CONSTRUCTION	29.01.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE
1:100 0 1 2 3 4m
1:1000 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL

RPEQ SIGNATURE		7198 RPEQ No 20.01.25 DATE
DRAWN	DESIGNED	CHECKED
J.A	B.C.	M.D.

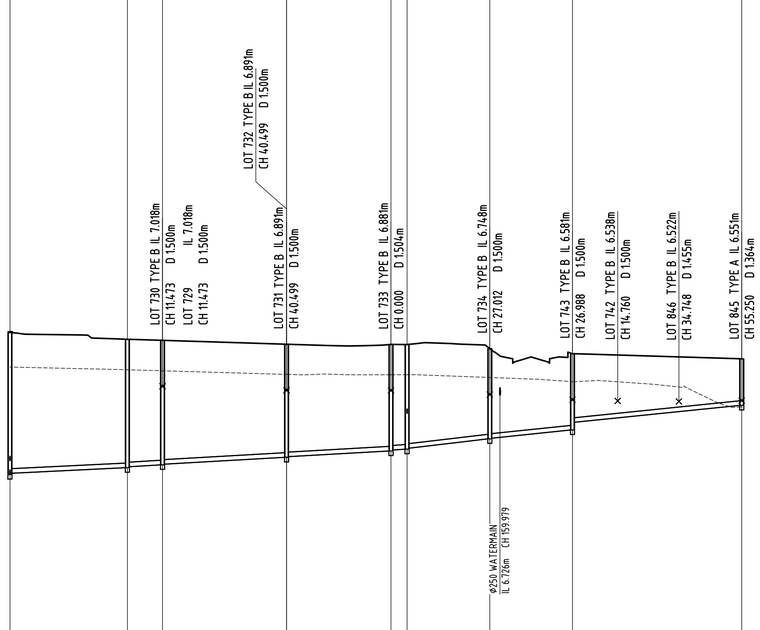
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

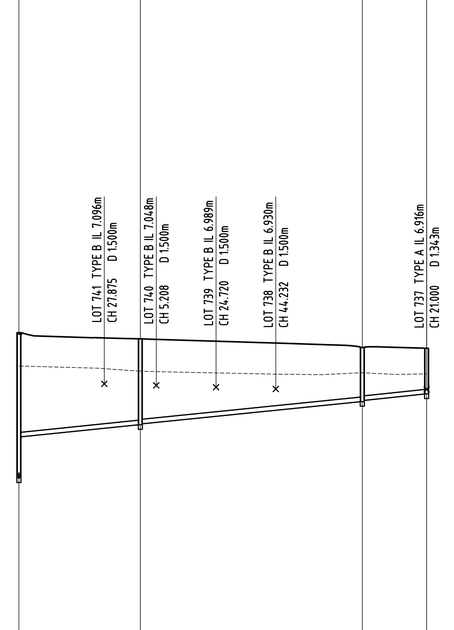
SEWER RETICULATION
LONGITUDINAL SECTIONS
(SHEET 1 OF 2)

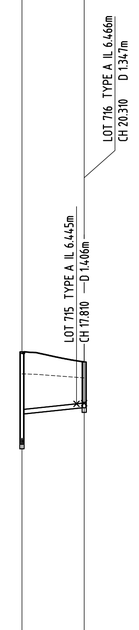
ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C261
REV: 3

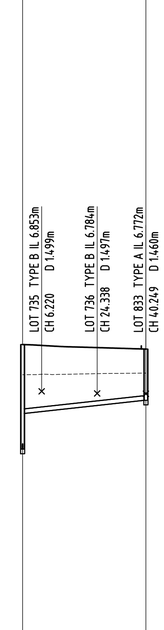
CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_2319\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C261.dwg   Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION_LONGITUDINAL_SECTIONS.dwg









NOTES:

1. ALL LEVELS, CHAINAGES AND DISTANCES IN METRES
2. REFER SEQ-SEW-1200 SERIES FOR BEDDING AND BACKFILL REQUIREMENTS
3. REFER SEQ-SEW-1300 SERIES FOR MAINTENANCE STRUCTURE TYPES AND DROPS AND FOR RIGGS COMPLIANT APPURTENANCES
4. PIPE MATERIAL TO BE SPECIFIED AS REQUIRED BY RIGGS
5. REFER SEQ-SEW-1106 SERIES FOR PROPERTY CONNECTION TYPES
6. REFER TO SEQ-SEW1206-1 FOR BULKHEADS AND TRENCHSTOP DETAILS

LEGEND

FP = VERGE
PP = PRIVATE PROPERTY
MH = MANHOLE
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FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
3	ISSUE FOR CONSTRUCTION	30.05.25	M.D.
2	ISSUE FOR CONSTRUCTION	29.01.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE
1:100 0 1 2 3 4m
1:1000 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL	7198
	RPEQ No
	20.01.25
RPEQ SIGNATURE	DATE

DRAWN	DESIGNED	CHECKED
J.A	B.C.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

SEWER RETICULATION
LONGITUDINAL SECTIONS
(SHEET 2 OF 2)

ISSUE:
ISSUE FOR CONSTRUCTION
PROJECT No:
2319
DRAWING No:
2319-STG7-C262
REV:
3

CAD FILENAME: C:\126\data\Dykman\SYN\2319 - The Waters Ooralea_2319\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C262.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION_LONGITUDINAL_SECTIONS.dwg

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
BC08/45/07A	MANHOLE	722482.562	7654164.426	0.000	0.000			150	5.632	8.081	2.449	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/42/01	MANHOLE	722549.566	7654154.413	0.000	0.000	150	6.309			7.900	1.591	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
BC08/43/09	MANHOLE	722555.278	7654106.432	0.000	0.000			150	6.417	7.774	1.357	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/08	MANHOLE	722541.487	7654017.758	0.000	0.000	150	5.520	150	5.490	8.047	2.557	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/07	MANHOLE	722541.545	7653985.457	0.000	0.000	150	5.167	150	5.127	8.144	3.017	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/06	MANHOLE	722523.546	7653985.424	0.000	0.000	150	4.947	150	4.927	8.403	3.476	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/05	MANHOLE - 1050mm DIA	722503.220	7653985.385	0.000	0.000	150	4.814	150	4.794	8.827	4.033	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/04	MANHOLE	722465.797	7653985.313	0.000	0.000	150	4.586	150	4.138	8.771	4.634	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/03	MANHOLE	722449.298	7653985.281	0.000	0.000	150	4.046	150	4.026	8.771	4.745	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/02	MANHOLE - 1050mm DIA	722429.323	7653985.248	0.000	0.000	150	3.915	150	3.895	8.867	4.971	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/01	MANHOLE	722401.784	7653985.193	0.000	0.000	150	3.742	150	3.702	8.782	5.080	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/04/10	MANHOLE	722401.814	7653967.262	0.000	0.000	150	3.603			8.792	5.594	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
BC08/36/06	MANHOLE	722401.814	7653967.262	0.000	0.000			150	5.293	8.792	3.499	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/42/01A	MANHOLE	722401.814	7653967.262	0.000	0.000	150	5.530			8.792	3.262	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
BC08/44/02	MANHOLE	722537.669	7654110.335	0.000	0.000			150	6.436	7.770	1.334	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/44/01	MANHOLE	722523.467	7654019.134	0.000	0.000	150	5.513	150	5.473	8.055	2.582	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/06	MANHOLE	722523.546	7653985.424	0.000	0.000	150	5.136			8.403	3.476	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
BC08/45/08	MANHOLE	722427.968	7654172.918	0.000	0.000			150	6.401	7.915	1.514	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/45/07	MANHOLE	722482.562	7654164.426	0.000	0.000	150	5.848	150	5.591	8.081	2.489	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/45/06	MANHOLE	722478.412	7654137.759	0.000	0.000	150	5.322	150	5.302	8.248	2.946	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/45/05	MANHOLE	722477.106	7654110.625	0.000	0.000	150	4.996	150	4.966	8.391	3.425	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/45/04	MANHOLE	722478.876	7654108.199	0.000	0.000	150	4.936	150	4.906	8.381	3.475	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/45/03	MANHOLE	722473.712	7654075.004	0.000	0.000	150	4.720	150	4.700	8.390	3.691	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/45/02	MANHOLE	722467.487	7654034.986	0.000	0.000	150	4.475	150	4.455	8.518	4.063	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/45/01	MANHOLE	722465.724	7654023.650	0.000	0.000	150	4.391	150	4.361	8.551	4.191	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/04	MANHOLE	722465.797	7653985.313	0.000	0.000	150	4.178			8.771	4.634	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
BC08/46/03	MANHOLE	722439.612	7654099.759	0.000	0.000			150	6.766	8.259	1.493	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/46/02	MANHOLE	722460.362	7654096.531	0.000	0.000	150	6.556	150	6.516	8.293	1.776	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/46/01	MANHOLE	722449.221	7654024.910	0.000	0.000	150	5.791	150	5.761	8.567	2.806	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/03	MANHOLE	722449.298	7653985.281	0.000	0.000	150	5.365			8.771	4.745	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
BC08/47/01	MANHOLE	722561.855	7653985.490	0.000	0.000			150	6.316	7.812	1.497	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/43/07	MANHOLE	722541.545	7653985.457	0.000	0.000	150	6.113			8.144	3.017	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
BC08/48/01		722434.490	7654117.254	0.000	0.000			150	6.561	8.233	1.672	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE
BC08/45/05		722477.106	7654110.625	0.000	0.000	150.000	6.130			8.391	3.425	SETOUT LEVEL TO FINISHED SURFACE TIN AT PIT CENTRE

NOTES:

1. XY SETOUT TO PIT CENTRE
2. SETOUT LEVEL TO PIT COVER LEVEL
3. SOME SETOUT XY OR Z LEVELS HAVE SPECIAL SETOUT DATA. SEE INDIVIDUAL MANHOLE REMARKS

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE
1:100 0 1 2 3 4m
1:1000 0 10 20 30 40m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL 7198 RPEQ No
RPEQ SIGNATURE 20.01.25 DATE

DRAWN	DESIGNED	CHECKED
J.A	B.C.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

SEWER RETICULATION
PIT SCHEDULES

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C263
REV: 1

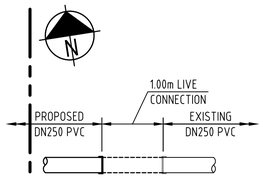
CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7\Active\DRG\2319-STG7-C263.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg

WATER RETICULATION PIPE COVER (MIN)

LOCATION	150mm	200mm
NON-ROADWAYS	600	1000
SEALED ROADS	600	1000
MAJOR ROADWAYS / EMBANKMENTS	750	1000
FREEWAY	1200	1200

IF COVER NOT ACHIEVABLE PIPE MATERIAL TO BE DICL



LIVE CONNECTION '1' DETAIL

SCALE 1:50m

WATER RETICULATION NOTES:

1. ALL CONSTRUCTION WORK TO COMPLY WITH THE CTM WATER SERVICE D&C CODE.
2. ALL WATER MAINS NOT IN ENVELOPER TO BE CLASS 16 PVC-M U.N.O. AND ARE TO BE OFFSET 1.8m FROM PROPERTY BOUNDARIES U.N.O.
3. ALL WATER MAINS IN WELDED MILD STEEL JACKING PIPE SHALL BE STEEL CEMENTED LINED WITH FUSION BONDED PE COATED PIPE, TO REFLECT APPROVED BURIED CROSSING CONSTRUCTION METHODOLOGY.
4. WATER MAIN PIPE COVER TO BE AS PER CTM WATER CODE CLAUSE 7.4.2. FOR EASE OF REFERENCE THE PIPE COVER TABLE FROM THE CTM WATER CODE HAS BEEN PROVIDED ON THIS DRAWING.
5. THRUST BLOCKS ARE TO BE PROVIDED TO ALL WATER MAINS AS PER SEQ-WAT-1205-1 TO 1207-1.
6. TYPE C SUPPORT BEDDING REQUIRED FOR SITE. REFER TO SEQ-WAT-1200 TO 1201 FOR DETAILS.
7. WATER CONNECTIONS TO EXISTING MAINS TO BE UNDERTAKEN BY MACKAY WATER AND WASTE.
8. WATER MAINS TO CROSS OVER ALL SERVICES UNLESS WRITTEN APPROVAL IS PROVIDED BY MACKAY REGIONAL COUNCIL. (REFER TO CTM WATER SERVICES D&C CODE 5.12.5.2).
9. ALL TEES AND SLUICE VALVES TO BE FLANGED, WITH VALVES BOLTED DIRECTLY TO TEES WHERE APPLICABLE.
10. NEW FIRE HYDRANTS AND STOP VALVES TO BE MARKED AS PER CTM WATER SERVICE D&C CODE. REFER TO SEQ-WAT-1300-1 TO 1300-2 FOR DETAILS. REFER TO MRC STANDARD DRAWINGS A3-00919 AND A3-00920 FOR PAVEMENT IDENTIFICATION AND KERB MARKERS. CTM VALVE AND HYDRANT MARKING NOT ADOPTED MY MRC.
11. ALL FIRE HYDRANTS AND STOP VALVES ARE TO BE LOCATED CLEAR OF CONCRETE FOOTPATHS. HYDRANT & VALVES COVERS TO HAVE SAME FINISHED LEVEL WITH THE SURROUNDING GROUND IN ACCORDANCE WITH SEQ-WAT-1301 TO 1302.
12. ALL RESIDENTIAL PROPERTY WATER SERVICE CONNECTIONS SHALL BE 25Ø WITH 300mm CLEARANCE FROM PROPERTY BOUNDARY IN ACCORDANCE WITH MRC STANDARD DRAWING CTM-WAT-003 AND CTM WATER CODE CLAUSE 5.11.5.
13. ALL PROPERTY WATER SERVICE ROAD CROSSINGS SHALL BE CONTAINED WITHIN AN ENVELOPER PIPE. REFER TO SEQ-WAT-1108-1 TO 1108-2 FOR DETAILS.
14. ALL WATER SERVICE ROAD CROSSINGS UNDERNEATH CONCRETE FOOTPATHS SHALL BE CONTAINED WITHIN AN ENVELOPER PIPE. REFER TO MRC STANDARD DRAWING CTM-WAT-003 FOR DETAILS.
15. CONDUITS MUST EXTEND 300mm PAST KERB AS PER CTM CODE A1 5.11.6.

LEGEND:

PROPOSED SERVICES

- OE — PROPOSED OVERHEAD ELECTRICAL LINE
- E — PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PP — PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- S — PROPOSED GRAVITY SEWER & MANHOLE
- R — PROPOSED RISING SEWER MAIN
- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER HEADWALL
- OF — PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- T — PROPOSED TELECOMMUNICATION CABLE & PIT

LEGEND:

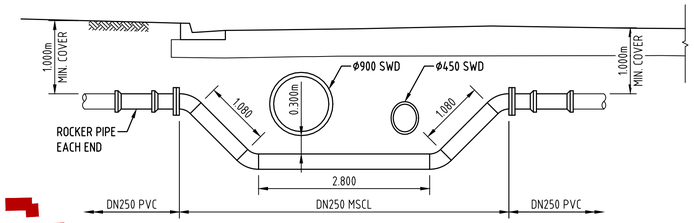
EXISTING FEATURES

- E — EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- S — EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- W — EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- T — EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING LOT BOUNDARY
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES

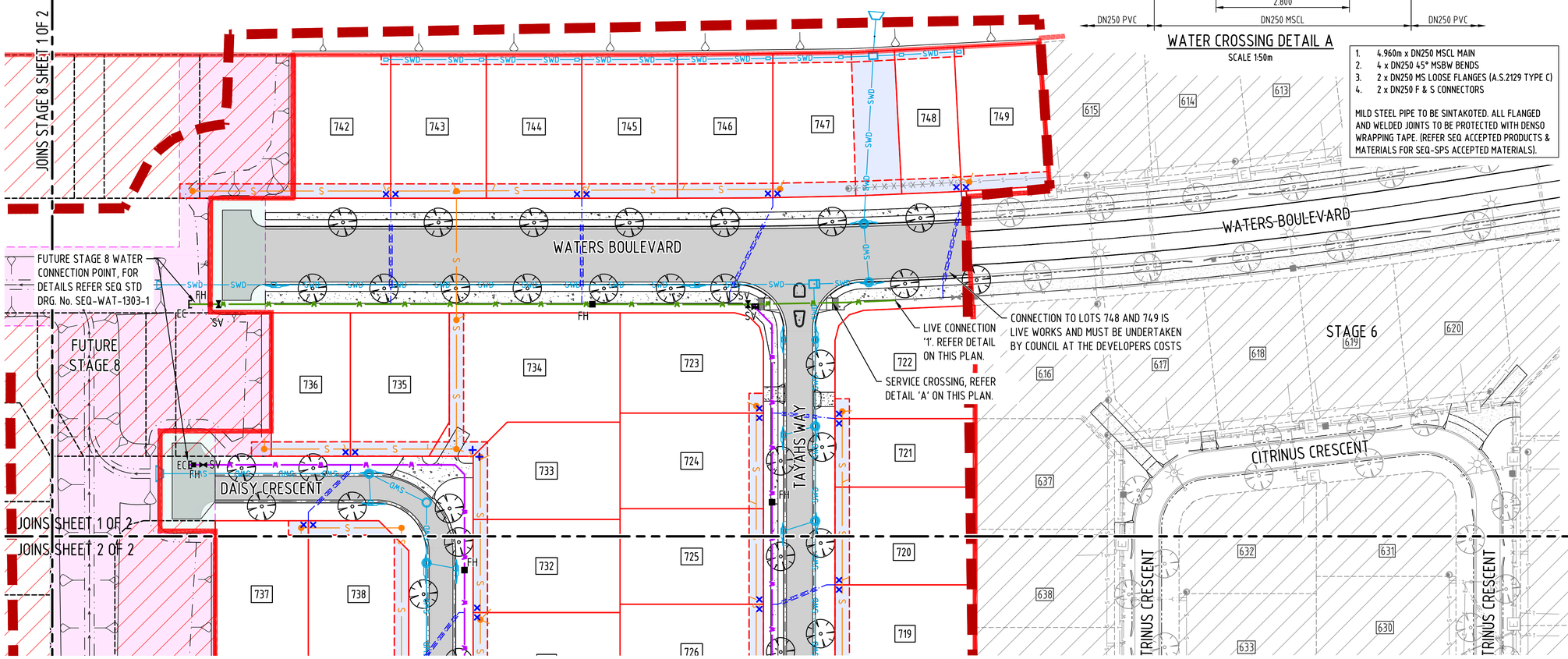


WATER CROSSING DETAIL A

SCALE 1:50m

1. 4.960m x DN250 MSCL MAIN
2. 4 x DN250 45° MSBW BENDS
3. 2 x DN250 MS LOOSE FLANGES (A.S.2129 TYPE C)
4. 2 x DN250 F & S CONNECTORS

MILD STEEL PIPE TO BE SINTAKOTED. ALL FLANGED AND WELDED JOINTS TO BE PROTECTED WITH DENSO WRAPPING TAPE. (REFER SEQ ACCEPTED PRODUCTS & MATERIALS FOR SEQ-SPS ACCEPTED MATERIALS).



LAYOUT PLAN

SCALE 1:500

LEGEND:

PROPOSED WATER RETICULATION

- SV — PROPOSED POTABLE WATER GATE VALVE
- FH — PROPOSED FIRE HYDRANT
- EC — PROPOSED TEMPORARY END CAP
- PROPOSED WATER SERVICE
- W — PROPOSED Ø250 POTABLE WATER LINE
- W — PROPOSED Ø150 POTABLE WATER LINE
- W — PROPOSED Ø100 POTABLE WATER LINE
- 00.000 — PROPOSED CONTROL LINE

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	B.C.	M.D.

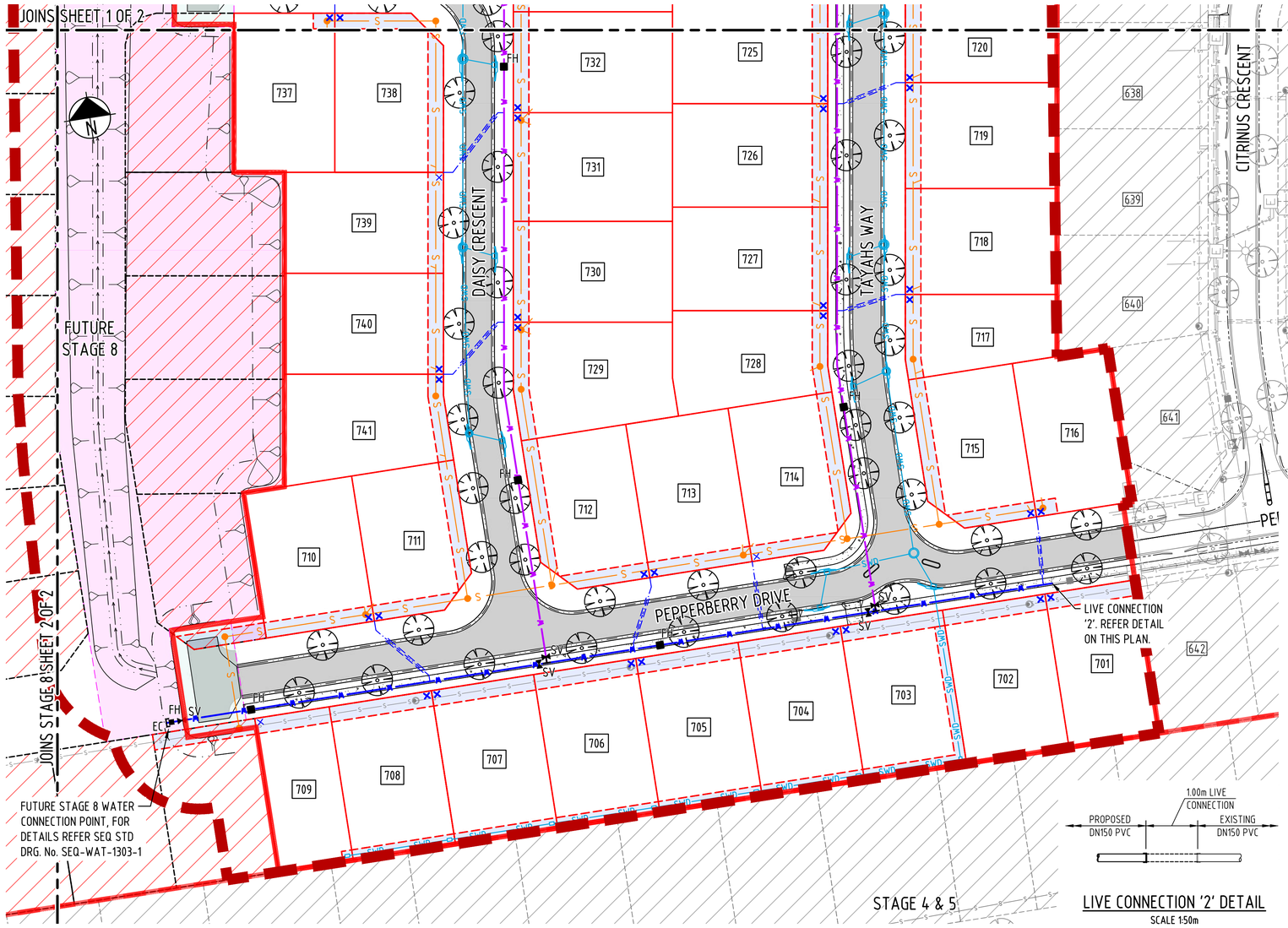
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

WATER RETICULATION
LAYOUT PLAN
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C271
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7\Active\DRG\2319-STG7-C271.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_WATER_RETICULATION_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_STREET_SEWER_RETICULATION_LAYOUT_PLAN_ANNO_500.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_WATER_RETICULATION.dwg ; X_2319



LAYOUT PLAN
SCALE 1:500

LIVE CONNECTION '2' DETAIL
SCALE 1:50m

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
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- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES

LEGEND:

EXISTING FEATURES

- E — EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- S — EXISTING GRAVITY SEWER & MANHOLE
- SWD — EXISTING STORMWATER PIPE & MANHOLE
- W — EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- T — EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING LOT BOUNDARY
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES

LEGEND:

PROPOSED WATER RETICULATION

- SV — PROPOSED POTABLE WATER GATE VALVE
- FH — PROPOSED FIRE HYDRANT
- EC — PROPOSED TEMPORARY END CAP
- PROPOSED WATER SERVICE
- W — PROPOSED Ø250 POTABLE WATER LINE
- W — PROPOSED Ø150 POTABLE WATER LINE
- W — PROPOSED Ø100 POTABLE WATER LINE
- 00.000 — PROPOSED CONTROL LINE

LEGEND:

PROPOSED SERVICES

- OE — PROPOSED OVERHEAD ELECTRICAL LINE
- E — PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PP — PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- S — PROPOSED GRAVITY SEWER & MANHOLE
- R — PROPOSED RISING SEWER MAIN
- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- OF — PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- T — PROPOSED TELECOMMUNICATION CABLE & PIT

WATER RETICULATION NOTES:

1. ALL CONSTRUCTION WORK TO COMPLY WITH THE CTM WATER SERVICE D&C CODE.
2. ALL WATER MAINS NOT IN ENVELOPER TO BE CLASS 16 PVC-M U.N.O. AND ARE TO BE OFFSET 1.8m FROM PROPERTY BOUNDARIES U.N.O.
3. ALL WATER MAINS IN WELDED MILD STEEL JACKING PIPE SHALL BE STEEL CEMENTED LINED WITH FUSION BONDED PE COATED PIPE, TO REFLECT APPROVED BURIED CROSSING CONSTRUCTION METHODOLOGY.
4. WATER MAIN PIPE COVER TO BE AS PER CTM WATER CODE CLAUSE 7.4.2. FOR EASE OF REFERENCE THE PIPE COVER TABLE FROM THE CTM WATER CODE HAS BEEN PROVIDED ON THIS DRAWING.
5. THRUST BLOCKS ARE TO BE PROVIDED TO ALL WATER MAINS AS PER SEQ-WAT-1205-1 TO 1207-1.
6. TYPE C SUPPORT BEDDING REQUIRED FOR SITE. REFER TO SEQ-WAT-1200 TO 1201 FOR DETAILS.
7. WATER CONNECTIONS TO EXISTING MAINS TO BE UNDERTAKEN BY MACKAY WATER AND WASTE.
8. WATER MAINS TO CROSS OVER ALL SERVICES UNLESS WRITTEN APPROVAL IS PROVIDED BY MACKAY REGIONAL COUNCIL. (REFER TO CTM WATER SERVICES D&C CODE 5.12.5.2).
9. ALL TEES AND SLUICE VALVES TO BE FLANGED, WITH VALVES BOLTED DIRECTLY TO TEES WHERE APPLICABLE.
10. NEW FIRE HYDRANTS AND STOP VALVES TO BE MARKED AS PER CTM WATER SERVICE D&C CODE. REFER TO SEQ-WAT-1300-1 TO 1300-2 FOR DETAILS. REFER TO MRC STANDARD DRAWINGS A3-00919 AND A3-00920 FOR PAVEMENT IDENTIFICATION AND KERB MARKERS. CTM VALVE AND HYDRANT MARKING NOT ADOPTED MY MRC.
11. ALL FIRE HYDRANTS AND STOP VALVES ARE TO BE LOCATED CLEAR OF CONCRETE FOOTPATHS. HYDRANT & VALVES COVERS TO HAVE SAME FINISHED LEVEL WITH THE SURROUNDING GROUND IN ACCORDANCE WITH SEQ-WAT-1301 TO 1302.
12. ALL RESIDENTIAL PROPERTY WATER SERVICE CONNECTIONS SHALL BE 25Ø WITH 300mm CLEARANCE FROM PROPERTY BOUNDARY IN ACCORDANCE WITH MRC STANDARD DRAWING CTM-WAT-003 AND CTM WATER CODE CLAUSE 5.11.5.
13. ALL PROPERTY WATER SERVICE ROAD CROSSINGS SHALL BE CONTAINED WITHIN AN ENVELOPER PIPE. REFER TO SEQ-WAT-1108-1 TO 1108-2 FOR DETAILS.
14. ALL WATER SERVICE ROAD CROSSINGS UNDERNEATH CONCRETE FOOTPATHS SHALL BE CONTAINED WITHIN AN ENVELOPER PIPE. REFER TO MRC STANDARD DRAWING CTM-WAT-003 FOR DETAILS.
15. CONDUITS MUST EXTEND 300mm PAST KERB AS PER CTM CODE A1 5.11.6.

WATER RETICULATION PIPE COVER (MIN)

LOCATION	150mm	200mm
NON-ROADWAYS	600	1000
SEALED ROADS	600	1000
MAJOR ROADWAYS / EMBANKMENTS	750	1000
FREEWAY	1200	1200

IF COVER NOT ACHIEVABLE PIPE MATERIAL TO BE DICL

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	B.C.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

WATER RETICULATION
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C272
REV: 2

CAD FILENAME: C:\TQDS\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C272.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_WATER_RETICULATION_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_STREET_SEWER_RETICULATION_LAYOUT_PLAN_ANNO_500.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_WATER_RETICULATION.dwg ; X_2319

WATER RETICULATION PIPE COVER (MIN)

LOCATION	150mm	200mm
NON-ROADWAYS	600	1000
SEALED ROADS	600	1000
MAJOR ROADWAYS / EMBANKMENTS	750	1000
FREEWAY	1200	1200

IF COVER NOT ACHIEVABLE PIPE MATERIAL TO BE DICL

WATER RETICULATION NOTES:

1. ALL CONSTRUCTION WORK TO COMPLY WITH THE CTM WATER SERVICE D&C CODE.
2. ALL WATER MAINS NOT IN ENVELOPER TO BE CLASS 16 PVC-M U.N.O. AND ARE TO BE OFFSET 1.8m FROM PROPERTY BOUNDARIES U.N.O.
3. ALL WATER MAINS IN WELDED MILD STEEL JACKING PIPE SHALL BE STEEL CEMENTED LINED WITH FUSION BONDED PE COATED PIPE.
4. WATER MAIN PIPE COVER TO BE AS PER CTM WATER CODE CLAUSE 7.4.2. FOR EASE OF REFERENCE THE PIPE COVER TABLE FROM THE CTM WATER CODE HAS BEEN PROVIDED ON THIS DRAWING.
5. THRUST BLOCKS ARE TO BE PROVIDED TO ALL WATER MAINS AS PER SEQ-WAT-1205-1 TO 1207-1.
6. TYPE C SUPPORT BEDDING REQUIRED FOR SITE. REFER TO SEQ-WAT-1200 TO 1201 FOR DETAILS.
7. WATER CONNECTIONS TO EXISTING MAINS TO BE UNDERTAKEN BY MACKAY WATER AND WASTE.
8. WATER MAINS TO CROSS OVER ALL SERVICES UNLESS NO ALTERNATIVE IS POSSIBLE (REFER TO CTM WATER SERVICES D&C CODE 5.12.5.2).
9. ALL TEES AND SLUICE VALVES TO BE FLANGED, WITH VALVES BOLTED DIRECTLY TO TEES WHERE APPLICABLE.
10. NEW FIRE HYDRANTS AND STOP VALVES TO BE MARKED AS PER CTM WATER SERVICE D&C CODE. REFER TO SEQ-WAT-1300-1 TO 1300-2 FOR DETAILS.
11. ALL FIRE HYDRANTS AND STOP VALVES ARE TO BE LOCATED CLEAR OF CONCRETE FOOTPATHS. HYDRANT & VALVES COVERS TO HAVE SAME FINISHED LEVEL WITH THE SURROUNDING GROUND IN ACCORDANCE WITH SEQ-WAT-1301 TO 1302.
12. ALL RESIDENTIAL PROPERTY WATER SERVICE CONNECTIONS SHALL BE 25Ø WITH 300mm CLEARANCE FROM PROPERTY BOUNDARY IN ACCORDANCE WITH MRC STANDARD DRAWING CTM-WAT-003 AND CTM WATER CODE CLAUSE 5.11.5.
13. ALL PROPERTY WATER SERVICE ROAD CROSSINGS SHALL BE CONTAINED WITHIN AN ENVELOPER PIPE. REFER TO SEQ-WAT-1108-1 TO 1108-2 FOR DETAILS.
14. ALL WATER SERVICE ROAD CROSSINGS UNDERNEATH CONCRETE FOOTPATHS SHALL BE CONTAINED WITHIN AN ENVELOPER PIPE. REFER TO MRC STANDARD DRAWING CTM-WAT-003 FOR DETAILS.

LEGEND:

PROPOSED SERVICES

- OE — PROPOSED OVERHEAD ELECTRICAL LINE
- E — PROPOSED UNDERGROUND ELECTRICAL LINE & PIT
- PROPOSED STREET LIGHTING
- PP — PROPOSED POWER POLES
- PROPOSED SEWER EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENT
- PROPOSED TEMPORARY TURNING HEAD EASEMENT
- S — PROPOSED GRAVITY SEWER & MANHOLE
- R — PROPOSED RISING SEWER MAIN
- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER HEADWALL
- OF — PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- T — PROPOSED TELECOMMUNICATION CABLE & PIT

LEGEND:

EXISTING FEATURES

- E — EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- S — EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- W — EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- T — EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING LOT BOUNDARY
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
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- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED MEDIAN KERB
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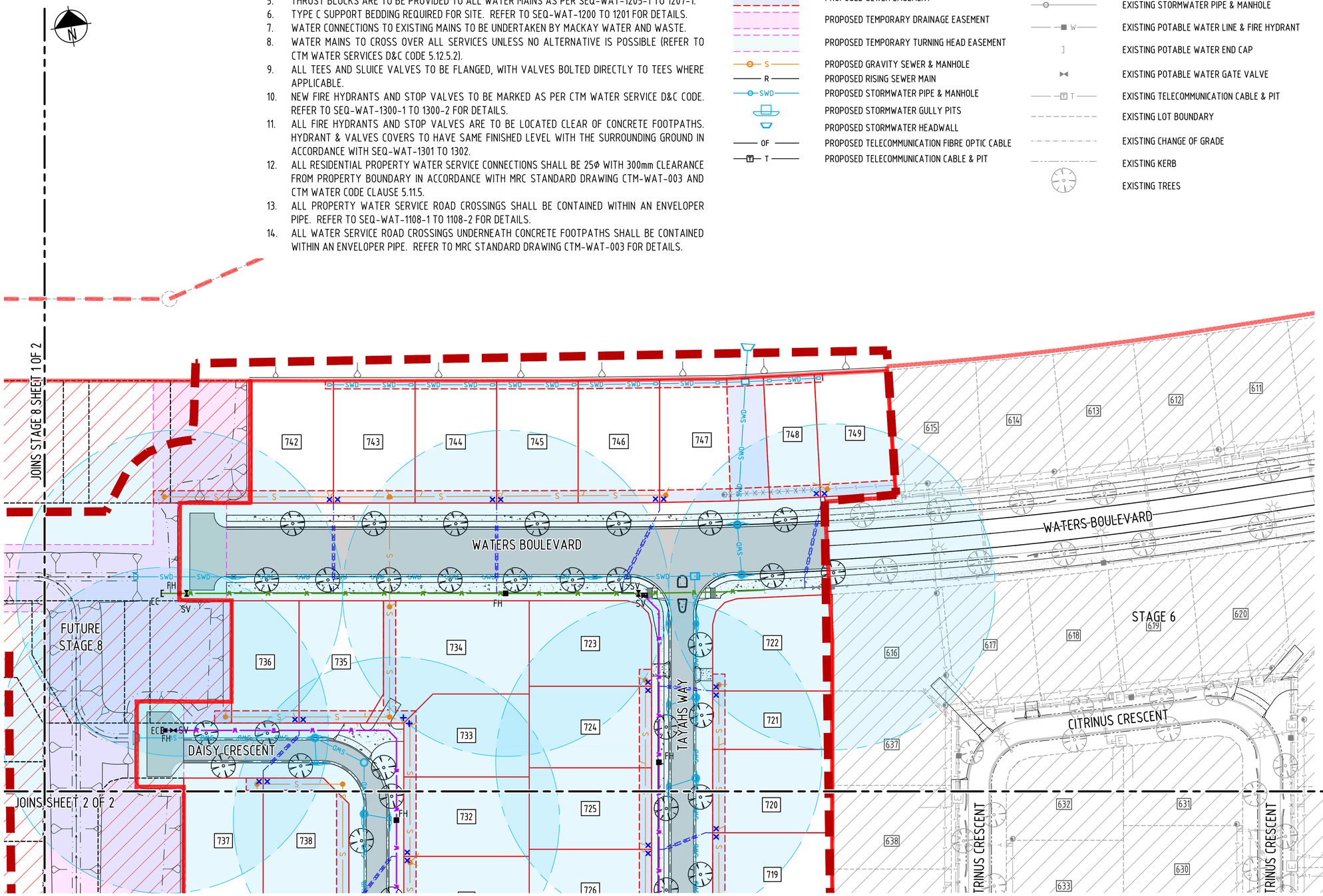
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES

LEGEND:

PROPOSED WATER RETICULATION

- SV — PROPOSED POTABLE WATER GATE VALVE
- FH — PROPOSED FIRE HYDRANT
- EC — PROPOSED TEMPORARY END CAP
- PROPOSED WATER SERVICE
- PROPOSED Ø250 POTABLE WATER LINE
- PROPOSED Ø150 POTABLE WATER LINE
- PROPOSED Ø100 POTABLE WATER LINE
- HYDRANT COVERAGE AREA



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LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
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A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	B.C.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

HYDRANT COVERAGE AREA
LAYOUT PLAN
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C273
REV: 2

CAD FILENAME: C:\12dS\vault\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C273.dwg Plot Date: 25 Jun, 2025

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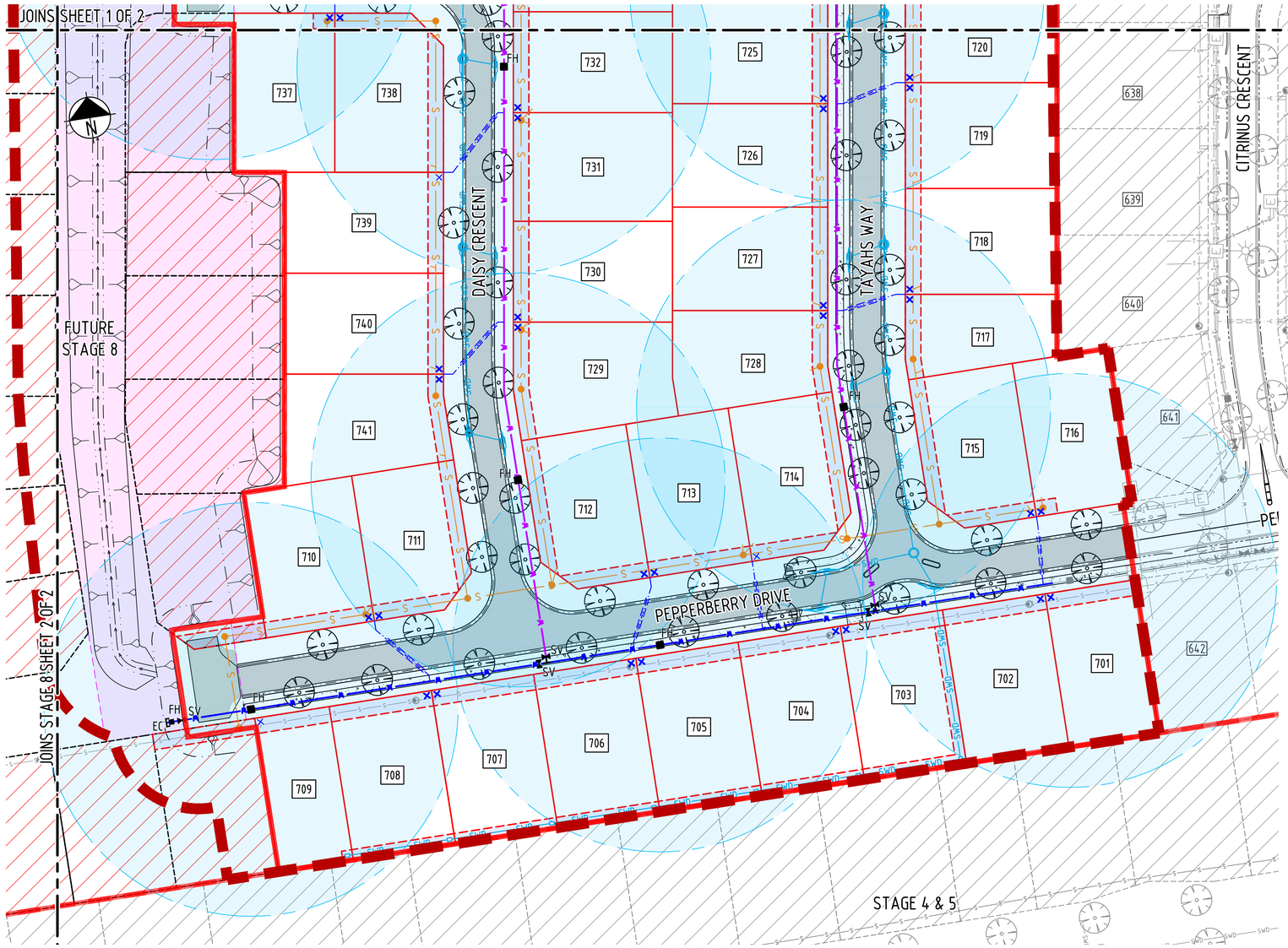

LAYOUT PLAN

SCALE 1:500

LEGEND:

GENERAL

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
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- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES

LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
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LEGEND:

PROPOSED WATER RETICULATION

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- PROPOSED WATER SERVICE
- PROPOSED Ø250 POTABLE WATER LINE
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- PROPOSED Ø100 POTABLE WATER LINE
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LEGEND:

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- OF PROPOSED TELECOMMUNICATION FIBRE OPTIC CABLE
- T PROPOSED TELECOMMUNICATION CABLE & PIT

WATER RETICULATION NOTES:

1. ALL CONSTRUCTION WORK TO COMPLY WITH THE CTM WATER SERVICE D&C CODE.
2. ALL WATER MAINS NOT IN ENVELOPER TO BE CLASS 16 PVC-M U.N.O. AND ARE TO BE OFFSET 1.8m FROM PROPERTY BOUNDARIES U.N.O.
3. ALL WATER MAINS IN WELDED MILD STEEL JACKING PIPE SHALL BE STEEL CEMENTED LINED WITH FUSION BONDED PE COATED PIPE.
4. WATER MAIN PIPE COVER TO BE AS PER CTM WATER CODE CLAUSE 7.4.2. FOR EASE OF REFERENCE THE PIPE COVER TABLE FROM THE CTM WATER CODE HAS BEEN PROVIDED ON THIS DRAWING.
5. THRUST BLOCKS ARE TO BE PROVIDED TO ALL WATER MAINS AS PER SEQ-WAT-1205-1 TO 1207-1.
6. TYPE C SUPPORT BEDDING REQUIRED FOR SITE. REFER TO SEQ-WAT-1200 TO 1201 FOR DETAILS.
7. WATER CONNECTIONS TO EXISTING MAINS TO BE UNDERTAKEN BY MACKAY WATER AND WASTE.
8. WATER MAINS TO CROSS OVER ALL SERVICES UNLESS NO ALTERNATIVE IS POSSIBLE (REFER TO CTM WATER SERVICES D&C CODE 5.12.5.2).
9. ALL TEES AND SLUICE VALVES TO BE FLANGED, WITH VALVES BOLTED DIRECTLY TO TEES WHERE APPLICABLE.
10. NEW FIRE HYDRANTS AND STOP VALVES TO BE MARKED AS PER CTM WATER SERVICE D&C CODE. REFER TO SEQ-WAT-1300-1 TO 1300-2 FOR DETAILS.
11. ALL FIRE HYDRANTS AND STOP VALVES ARE TO BE LOCATED CLEAR OF CONCRETE FOOTPATHS. HYDRANT & VALVES COVERS TO HAVE SAME FINISHED LEVEL WITH THE SURROUNDING GROUND IN ACCORDANCE WITH SEQ-WAT-1301 TO 1302.
12. ALL RESIDENTIAL PROPERTY WATER SERVICE CONNECTIONS SHALL BE 25Ø WITH 300mm CLEARANCE FROM PROPERTY BOUNDARY IN ACCORDANCE WITH MRC STANDARD DRAWING CTM-WAT-003 AND CTM WATER CODE CLAUSE 5.11.5.
13. ALL PROPERTY WATER SERVICE ROAD CROSSINGS SHALL BE CONTAINED WITHIN AN ENVELOPER PIPE. REFER TO SEQ-WAT-1108-1 TO 1108-2 FOR DETAILS.
14. ALL WATER SERVICE ROAD CROSSINGS UNDERNEATH CONCRETE FOOTPATHS SHALL BE CONTAINED WITHIN AN ENVELOPER PIPE. REFER TO MRC STANDARD DRAWING CTM-WAT-003 FOR DETAILS.

WATER RETICULATION PIPE COVER (MIN)

LOCATION	150mm	200mm
NON-ROADWAYS	600	1000
SEALED ROADS	600	1000
MAJOR ROADWAYS / EMBANKMENTS	750	1000
FREEWAY	1200	1200

IF COVER NOT ACHIEVABLE PIPE MATERIAL TO BE DICL

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	B.C.	M.D.

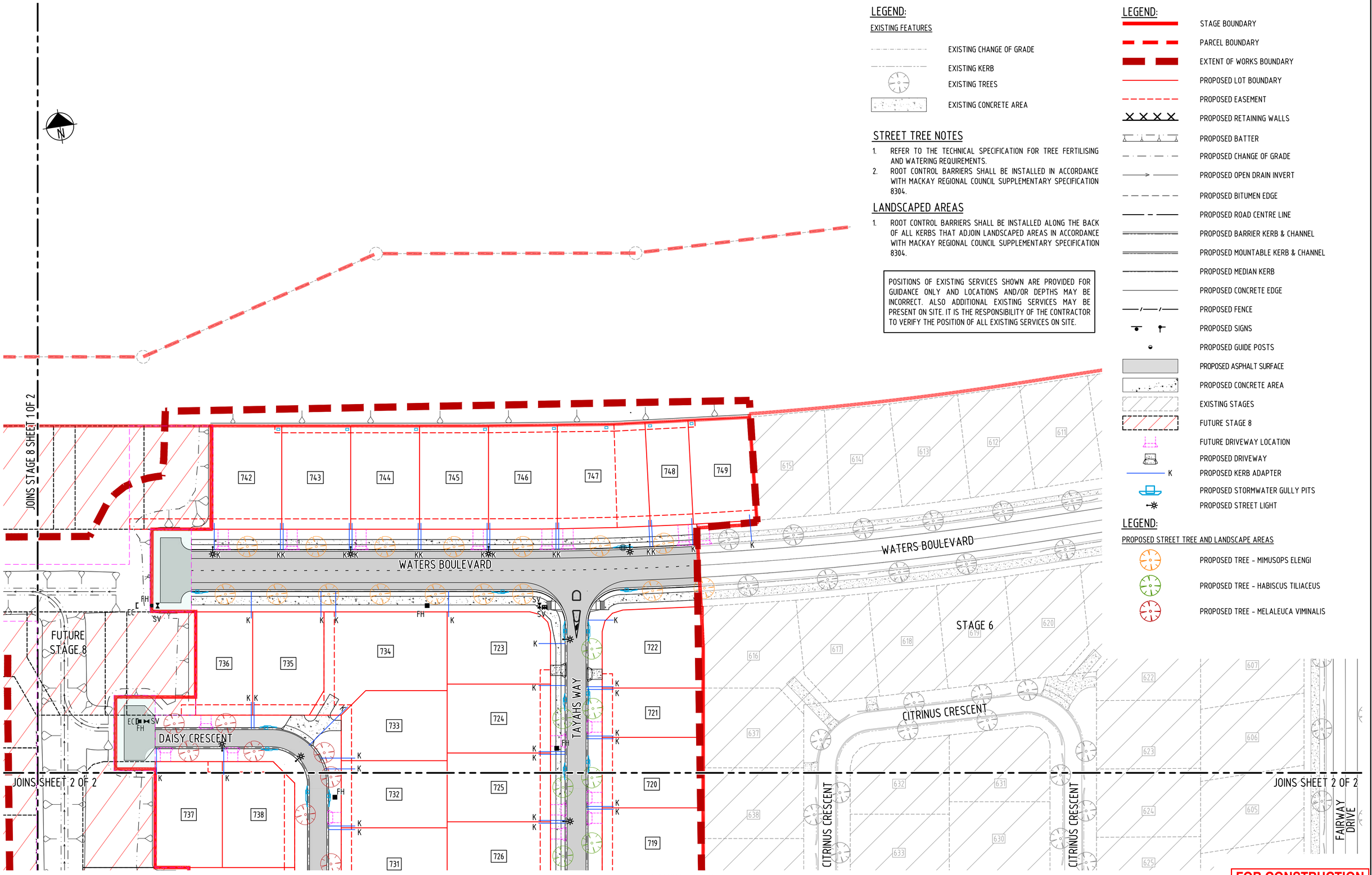
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

HYDRANT COVERAGE AREA
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C274
REV: 2

CAD FILENAME: C:\TEMP\acad\DykmanSYN\2319 - The Waters Ooralea_2319\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C274.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_WATER_RETICULATION_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_STREET_SEWER_RETICULATION_LAYOUT_PLAN_ANNO_500.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_WATER_RETICULATION.dwg ; X_2319



LAYOUT PLAN
SCALE 1:500

LEGEND:

EXISTING FEATURES

- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA

STREET TREE NOTES

1. REFER TO THE TECHNICAL SPECIFICATION FOR TREE FERTILISING AND WATERING REQUIREMENTS.
2. ROOT CONTROL BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH MACKAY REGIONAL COUNCIL SUPPLEMENTARY SPECIFICATION 8304.

LANDSCAPED AREAS

1. ROOT CONTROL BARRIERS SHALL BE INSTALLED ALONG THE BACK OF ALL KERBS THAT ADJOIN LANDSCAPED AREAS IN ACCORDANCE WITH MACKAY REGIONAL COUNCIL SUPPLEMENTARY SPECIFICATION 8304.

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LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- FUTURE DRIVEWAY LOCATION
- PROPOSED DRIVEWAY
- K PROPOSED KERB ADAPTER
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STREET LIGHT

LEGEND:

PROPOSED STREET TREE AND LANDSCAPE AREAS

- PROPOSED TREE - MIMUSOPS ELENGI
- PROPOSED TREE - HABISCUS TILIACEUS
- PROPOSED TREE - MELALEUCA VIMINALIS

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
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SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE: 7198 — RPEQ No — DATE: 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	A.D.	M.D.

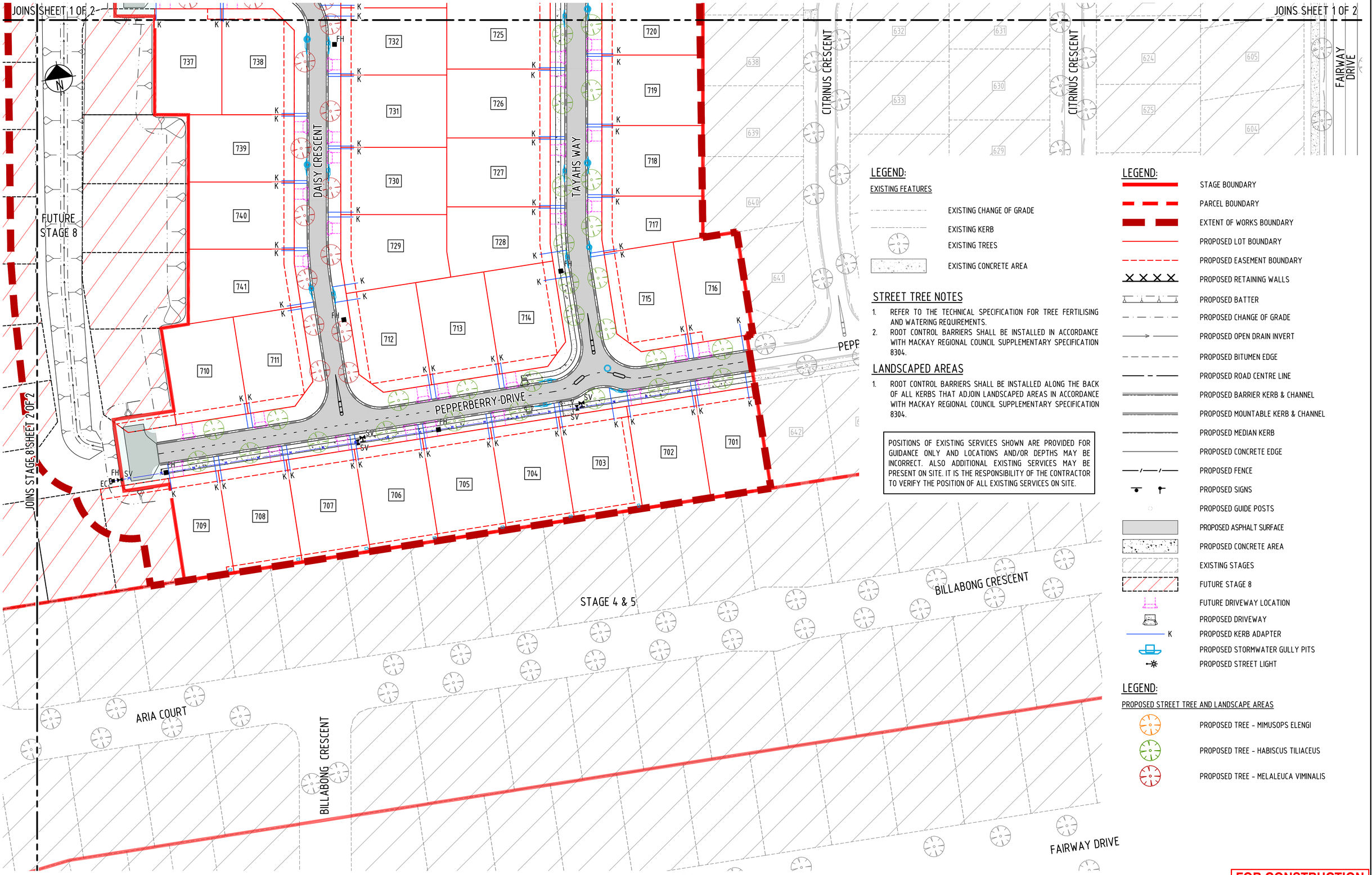
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STREET TREE
LAYOUT PLAN
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C281
REV: 2

CAD FILENAME: C:\12dS\data\DykmanSYN\2319 - The Waters Ooralea_2380\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7_C281.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STREET_TREE_LAYOUT_NOTES_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_STREET_TREE_LAYOUT_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_STREET_TREE_LAYOUT_PLAN_ANNO_500.dwg ; X_2319_DC_STG 7_DESIGN_FO



LAYOUT PLAN
SCALE 1:500

LEGEND:

EXISTING FEATURES

- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA

STREET TREE NOTES

1. REFER TO THE TECHNICAL SPECIFICATION FOR TREE FERTILISING AND WATERING REQUIREMENTS.
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LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED MEDIAN KERB
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- PROPOSED FENCE
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- PROPOSED GUIDE POSTS
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- PROPOSED DRIVEWAY
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FOR CONSTRUCTION
25 Jun 2025

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0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — RPEQ No 7198 — 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	A.D.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

STREET TREE
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C282 — REV: 2

CAD FILENAME: C:\12DS\data\DykmanSYN\2319 - The Waters Ooralea_2381\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C282.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_STREET_TREE_LAYOUT_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_STREET_TREE_LAYOUT_PLAN_ANNO_500.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.

SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL TO BE MANAGED IN ACCORDANCE WITH 'SEDIMENT MANAGEMENT ON CONSTRUCTION SITES' BY WATER BY DESIGN.
2. ALL SOIL AND SEDIMENT CONTROL DEVICES TO BE IN ACCORDANCE WITH IECA 2008, BEST PRACTICE EROSION AND SEDIMENT CONTROL GUIDELINES.
3. FINAL PROFILE TO BE SHAPED AND GRADED TO LEVELS AND GRADES AS SHOWN ON THE PLANS AND SECTIONS, TO PREVENT ANY PONDING OF OVERLAND STORMWATER RUNOFF.
4. DISTURBED SURFACES ARE TO BE RE-TOPSOILED, GRASS SEEDED, FERTILISED AND WATERED IMMEDIATELY AFTER COMPLETION OF EARTHWORKS.
5. EXPOSED SURFACES TO BE WATERED AS REQUIRED TO ENSURE DUST CONTROL DURING CONSTRUCTION PHASE.
6. EXISTING VEGETATION NOT INTENDED FOR RETENTION SHALL BE REMOVED FROM SITE.
7. ALL TOPSOIL / SPOIL MOUNDS ARE TO BE LOCATED CLEAR OF DRAINAGE LINES AND OTHER AREAS WHERE THEY MAY BE ERODED. TOPSOIL MOUNDS SHOULD NOT EXCEED 1.0m IN HEIGHT.
8. ALL DISTURBED EARTHWORKS AREAS WITH BATTERS 1 ON 4 OR GREATER ARE TO BE TURFED UPON COMPLETION OF THE WORKS.
9. FULL WIDTH OF VERGE MUST BE TURFED UPON COMPLETION OF THE WORKS.
10. CONTRACTOR TO PREPARE STAGED SEDIMENT BASIN DESIGNS TO SUIT THE EARTHWORKS CONSTRUCTION STAGING.

LEGEND:

EXISTING FEATURES

- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING CONCRETE AREA

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LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
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- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB

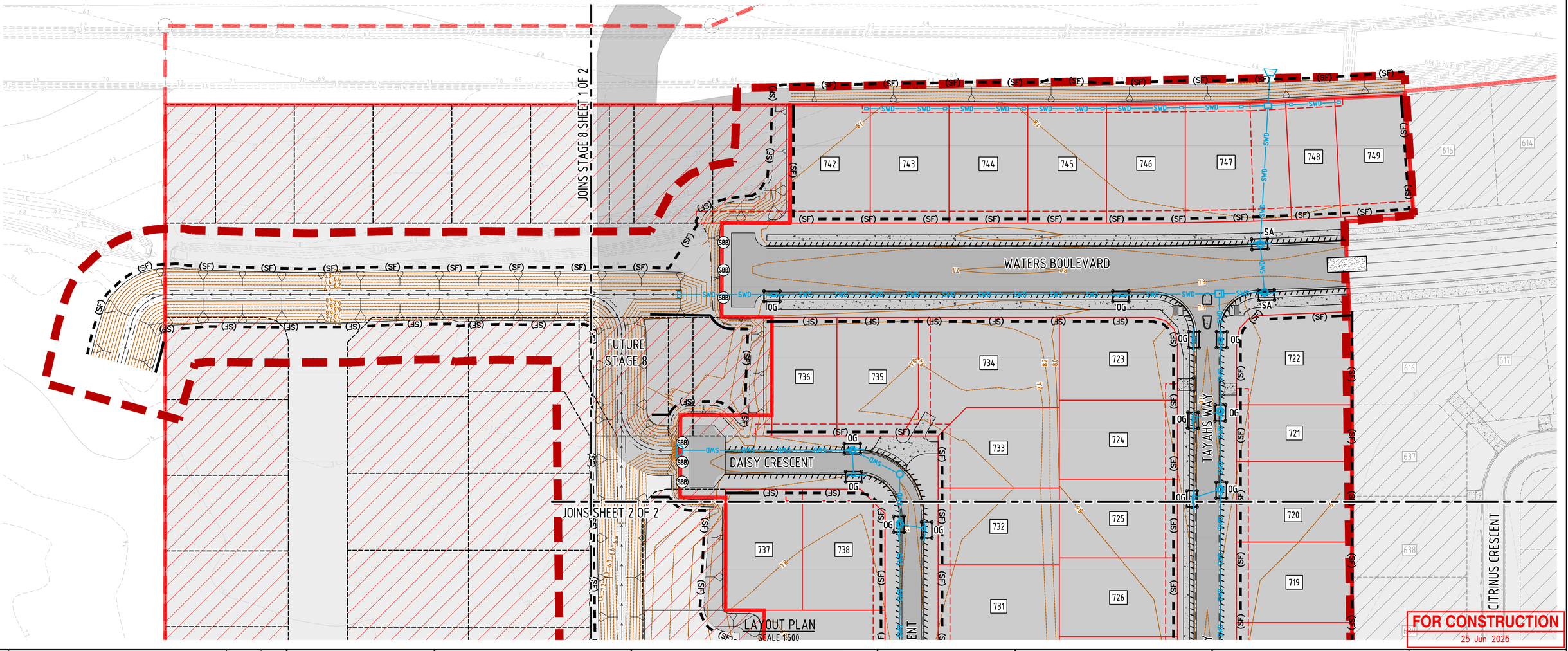
LEGEND:

- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED DRIVEWAY

LEGEND:

PROPOSED EROSION SEDIMENT CONTROL

- SENDIMENTATION DISTURBED AREA
- SENDIMENTATION UNDISTURBED AREA
- (SF) SEDIMENT FENCE
- SBB STRAW BALE BARRIER
- CONSTRUCTION EXIT/EGRESS
- OG ON-GRADE KERB INLET SEDIMENT TRAP
- SA SAG INLET SEDIMENT TRAP



FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
3	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
2	ISSUE FOR CONSTRUCTION	29.01.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL
RPEQ SIGNATURE
7198 RPEQ No
20.01.25 DATE

DRAWN	DESIGNED	CHECKED
J.A	A.D.	M.D.

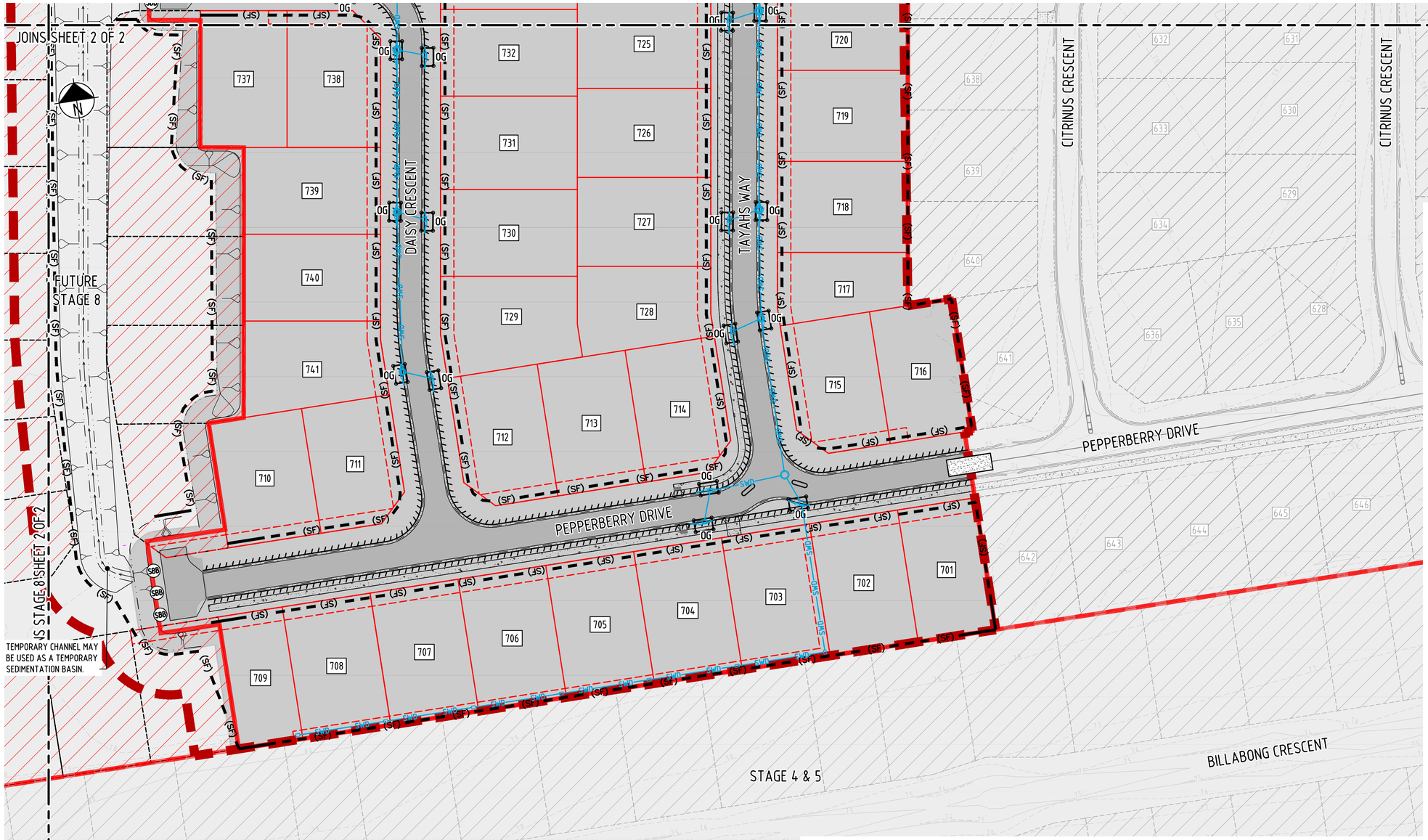
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

EROSION AND SEDIMENT CONTROL
LAYOUT PLAN
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C292
REV: 3

CAD FILENAME: C:\12dS\data\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C292.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_EROSION_SEDIMENT_CONTROL_LEGEND_SHEET 1.dwg ; X_2319_DC_STG 7_EROSION_SEDIMENT_CONTROL_LAYOUT_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_DESIGN_ROAD_NAMES_ANN



LAYOUT PLAN

SCALE 1:500

LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED CONTOURS
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- SWD — PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED DRIVEWAY

SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL TO BE MANAGED IN ACCORDANCE WITH 'SEDIMENT MANAGEMENT ON CONSTRUCTION SITES' BY WATER BY DESIGN.
2. ALL SOIL AND SEDIMENT CONTROL DEVICES TO BE IN ACCORDANCE WITH IECA 2008, BEST PRACTICE EROSION AND SEDIMENT CONTROL GUIDELINES.
3. FINAL PROFILE TO BE SHAPED AND GRADED TO LEVELS AND GRADES AS SHOWN ON THE PLANS AND SECTIONS, TO PREVENT ANY PONDING OF OVERLAND STORMWATER RUNOFF.
4. DISTURBED SURFACES ARE TO BE RE-TOPSOILED, GRASS SEEDED, FERTILISED AND WATERED IMMEDIATELY AFTER COMPLETION OF EARTHWORKS.
5. EXPOSED SURFACES TO BE WATERED AS REQUIRED TO ENSURE DUST CONTROL DURING CONSTRUCTION PHASE.
6. EXISTING VEGETATION NOT INTENDED FOR RETENTION SHALL BE REMOVED FROM SITE.
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8. ALL DISTURBED EARTHWORKS AREAS WITH BATTERS 1 ON 4 OR GREATER ARE TO BE TURFED UPON COMPLETION OF THE WORKS.
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10. CONTRACTOR TO PREPARE STAGED SEDIMENT BASIN DESIGNS TO SUIT THE EARTHWORKS CONSTRUCTION STAGING.

LEGEND:

EXISTING FEATURES

- EXISTING CONTOURS
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING CONCRETE AREA

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LEGEND:

PROPOSED EROSION SEDIMENT CONTROL

- SENDIMENTATION DISTURBED AREA
- SENDIMENTATION UNDISTURBED AREA
- (SF) — SEDIMENT FENCE
- SBB — STRAW BALE BARRIER
- CONSTRUCTION EXIT/EGRESS
- OG — ON-GRADE KERB INLET SEDIMENT TRAP
- SA — SAG INLET SEDIMENT TRAP

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
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SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	A.D.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

EROSION AND SEDIMENT CONTROL
LAYOUT PLAN
(SHEET 2 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C293
REV: 3

CAD FILENAME: C:\12dS\data\Dykman\SYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C293.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_EROSION_SEDIMENT_CONTROL_LEGEND_SHEET 2.dwg ; X_2319_DC_STG 7_EROSION_SEDIMENT_CONTROL_LAYOUT_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_STAGE_06_REF_Design_0944-19 - Xref_GDA2020.dwg ; X_2319_DC_STG 7_DESIGN_ROAD_NAMES_AN

LINEMARKING LEGEND AND DETAILS

DESCRIPTION	WIDTH	LENGTH	GAP	SEPARATION
EDGE LINE	150	-	-	-
LANE LINE BROKEN	100	3000	9000	-
OUTLINE MARKING	150	-	-	-
GIVE WAY LINE	300	600	600	-

(DIMENSIONS IN MILLIMETRES U.N.O.)

LINEMARKING & SIGNAGE NOTES:

1. ALL LINEMARKING AND SIGNAGE TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' (MUTCD).
2. RETRO REFLECTORISED RAISED PAVEMENT MARKERS (RRPM'S) TO BE INSTALLED IN ACCORDANCE THE MUTCD, PART 2, CLAUSE 5.6.
3. STREET SIGN TO BE INSTALLED IN ACCORDANCE WITH MRC STD DRG A3-03872
4. TGSI ARE TO BE FIBRE REINFORCED POLYMER TILES INSTALLED WITH BOTH ADHESIVES AND SCREWS TO PREVENT LIFTING AND CORNER CURLING. TGSI ARE TO BE INSTALLED IN ACCORDANCE WITH AS/NZS1428.4.1:2009 "DESIGN FOR ACCESS AND MOBILITY, PART 4.1: MEANS TO ASSIST THE ORIENTATION OF PEOPLE WITH VISION IMPAIRMENT – TACTILE GROUND SURFACE INDICATORS".
5. REFER TO TMR STD DRG KRG1, STD DRG KRG2, STD DRG 1447 FOR TACTILE GROUND SURFACE INDICATORS ON RAMP CROSSING, RAMP CROSSING INSTALLATION AND MEDIAN CUT THROUGHS.
6. ALL TRAFFIC ISLAND KERBS TO BE PAINTED IN WHITE REFLECTIVE PAINT.

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

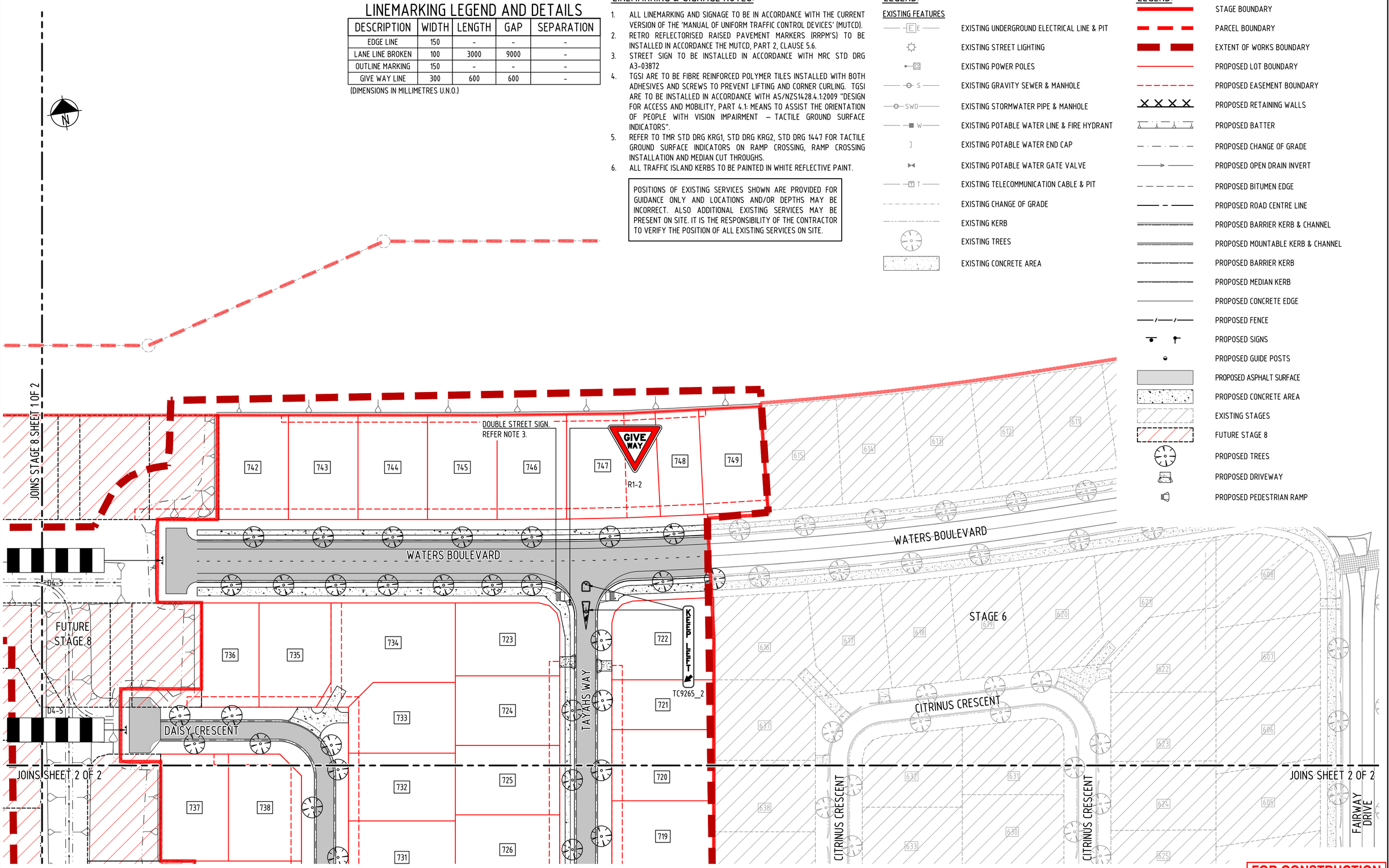
LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA

LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY
- PROPOSED PEDESTRIAN RAMP



LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	A.D.	M.D.

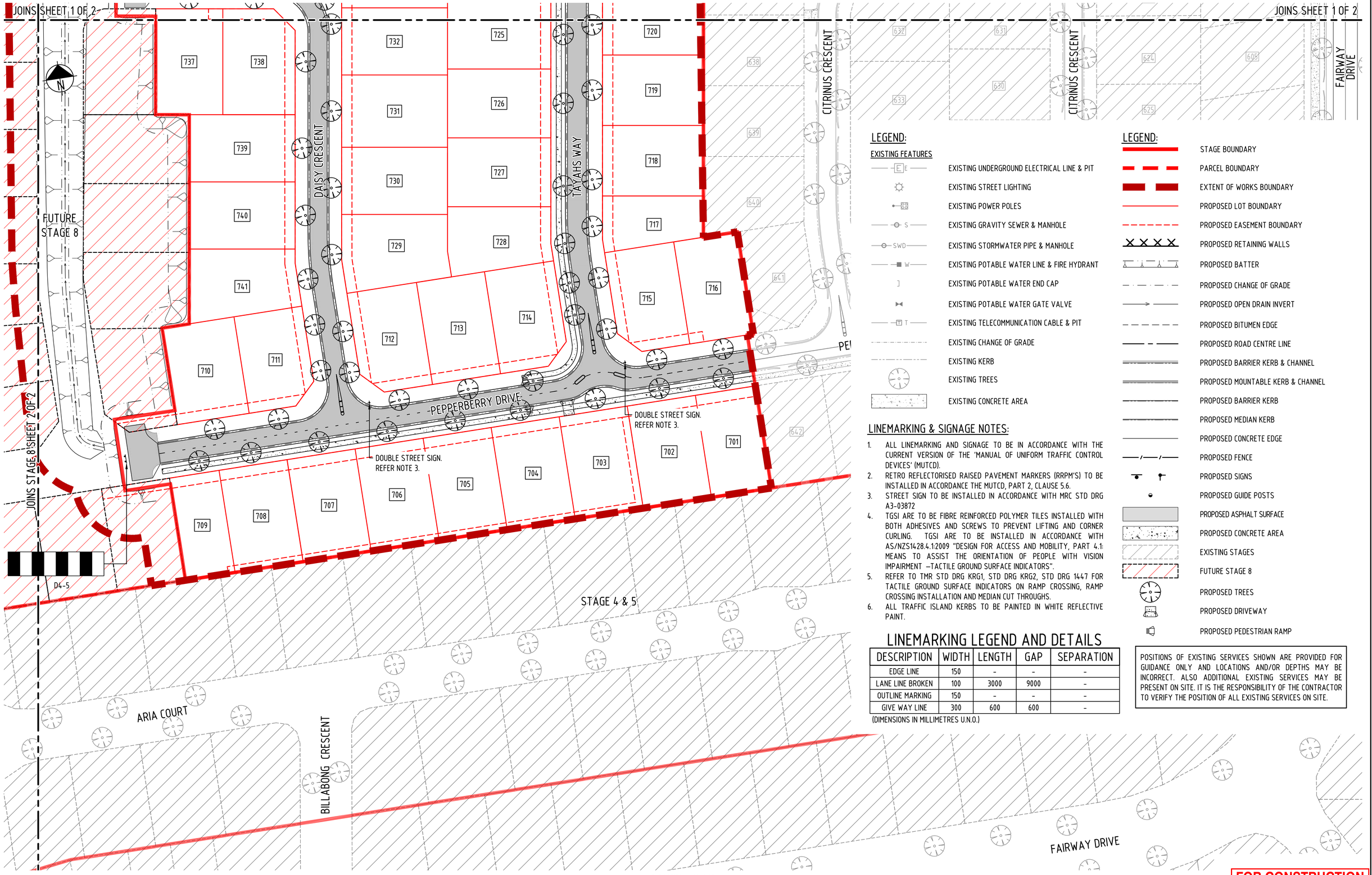
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

SIGNAGE AND LINEMARKING
LAYOUT PLAN AND SETOUT
(SHEET 1 OF 2)

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C301
REV: 2

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_SIGNAGE_LINEMARKING_LAYOUT_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_LOTS_EXIST_4_&_5.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_DES

CAD FILENAME: C:\12DS\data\DykmanSYN\2319 - The Waters Ooralea_2381.02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C301.dwg Plot Date: 25 Jun, 2025



LAYOUT PLAN
SCALE 1:500

LEGEND:

EXISTING FEATURES

- EXISTING UNDERGROUND ELECTRICAL LINE & PIT
- EXISTING STREET LIGHTING
- EXISTING POWER POLES
- EXISTING GRAVITY SEWER & MANHOLE
- EXISTING STORMWATER PIPE & MANHOLE
- EXISTING POTABLE WATER LINE & FIRE HYDRANT
- EXISTING POTABLE WATER END CAP
- EXISTING POTABLE WATER GATE VALVE
- EXISTING TELECOMMUNICATION CABLE & PIT
- EXISTING CHANGE OF GRADE
- EXISTING KERB
- EXISTING TREES
- EXISTING CONCRETE AREA

LEGEND:

- STAGE BOUNDARY
- PARCEL BOUNDARY
- EXTENT OF WORKS BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED RETAINING WALLS
- PROPOSED BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED OPEN DRAIN INVERT
- PROPOSED BITUMEN EDGE
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED BARRIER KERB
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED GUIDE POSTS
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY
- PROPOSED PEDESTRIAN RAMP

LINEMARKING & SIGNAGE NOTES:

1. ALL LINEMARKING AND SIGNAGE TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' (MUTCD).
2. RETRO REFLECTORISED RAISED PAVEMENT MARKERS (RRPM'S) TO BE INSTALLED IN ACCORDANCE THE MUTCD, PART 2, CLAUSE 5.6.
3. STREET SIGN TO BE INSTALLED IN ACCORDANCE WITH MRC STD DRG A3-03872
4. TGSI ARE TO BE FIBRE REINFORCED POLYMER TILES INSTALLED WITH BOTH ADHESIVES AND SCREWS TO PREVENT LIFTING AND CORNER CURLING. TGSI ARE TO BE INSTALLED IN ACCORDANCE WITH AS/NZS1428.4.1:2009 "DESIGN FOR ACCESS AND MOBILITY, PART 4.1: MEANS TO ASSIST THE ORIENTATION OF PEOPLE WITH VISION IMPAIRMENT –TACTILE GROUND SURFACE INDICATORS".
5. REFER TO TMR STD DRG KRG1, STD DRG KRG2, STD DRG 1447 FOR TACTILE GROUND SURFACE INDICATORS ON RAMP CROSSING, RAMP CROSSING INSTALLATION AND MEDIAN CUT THROUGHS.
6. ALL TRAFFIC ISLAND KERBS TO BE PAINTED IN WHITE REFLECTIVE PAINT.

LINEMARKING LEGEND AND DETAILS

DESCRIPTION	WIDTH	LENGTH	GAP	SEPARATION
EDGE LINE	150	-	-	-
LANE LINE BROKEN	100	3000	9000	-
OUTLINE MARKING	150	-	-	-
GIVE WAY LINE	300	600	600	-

(DIMENSIONS IN MILLIMETRES U.N.O.)

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
2	STORMWATER DRAINAGE UPDATED	25.06.25	M.D.
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — RPEQ No 7198 — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
J.A	A.D.	M.D.

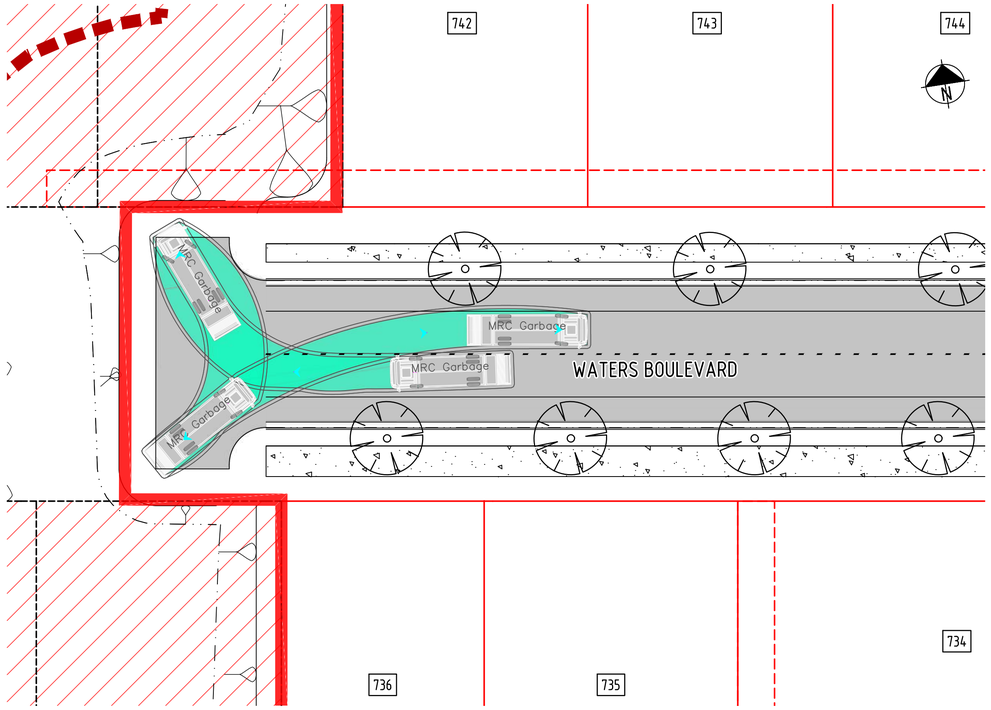
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

SIGNAGE AND LINEMARKING
LAYOUT PLAN AND SETOUT
(SHEET 2 OF 2)

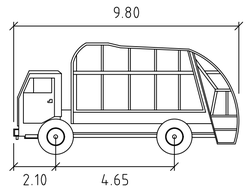
ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C302
REV: 2

CAD FILENAME: C:\12dS\data\Dykman\SYN\2319 – The Waters Ooralea_238\02 DES\022 DC Des\CAD – Stage 7\Active\DRG\2319-STG7-C302.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_SIGNAGE_LINEMARKING_LAYOUT_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_LOTS_EXIST_4_&_5.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_DES

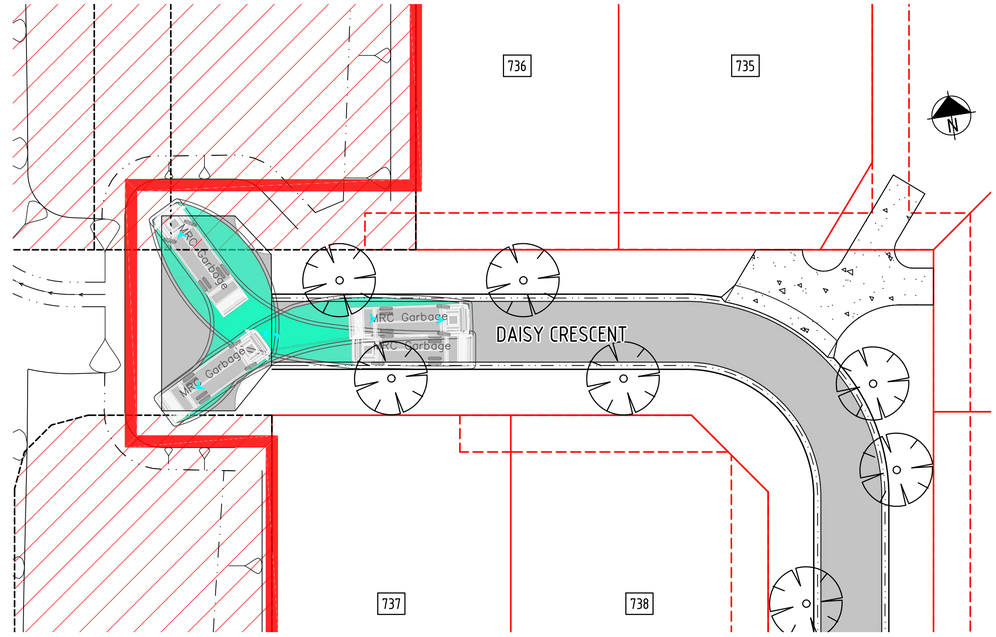


LAYOUT PLAN
SCALE 1:250

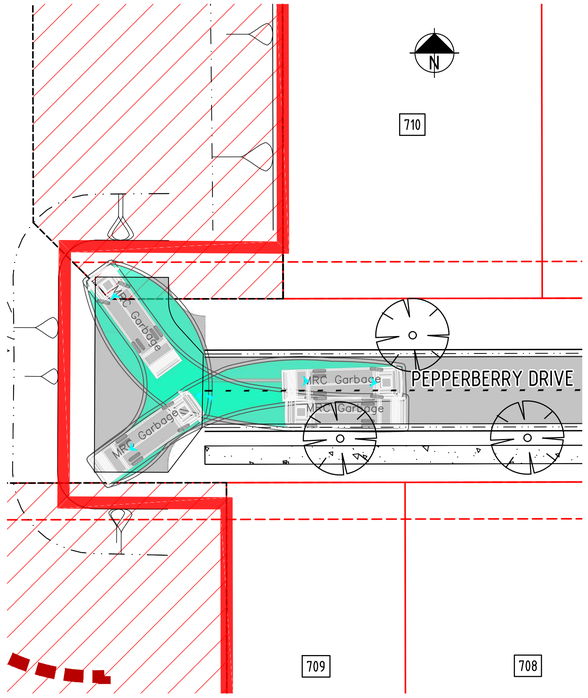


MRC Garbage

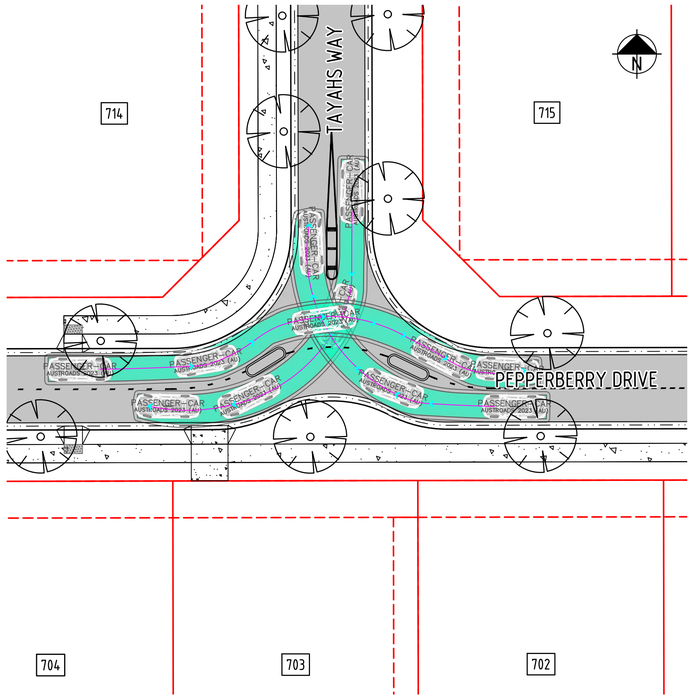
	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 4.0
Steering Angle	: 35.8



LAYOUT PLAN
SCALE 1:250

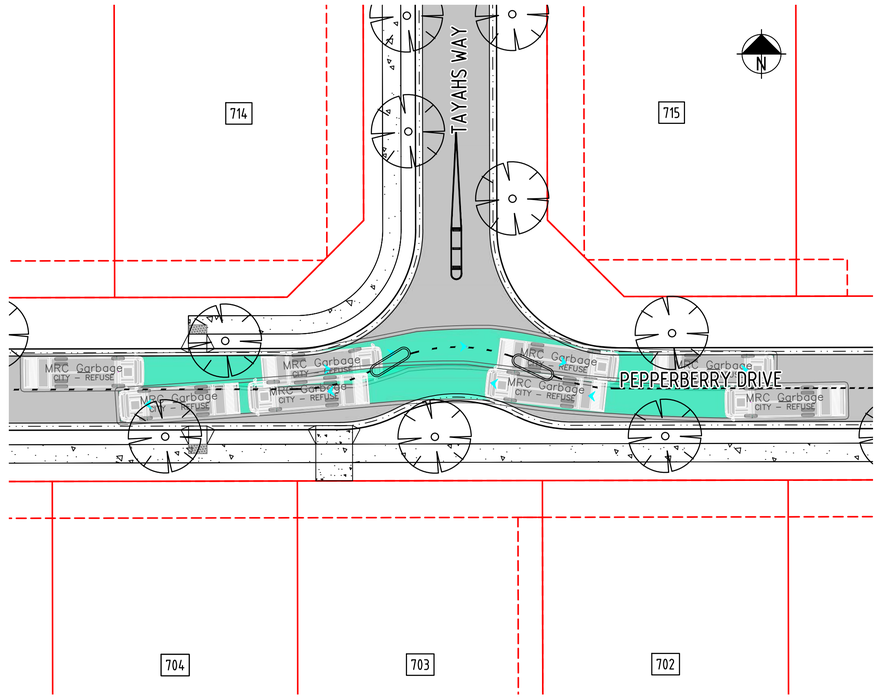


LAYOUT PLAN
SCALE 1:250



MODIFIED 'T' JUNCTION - PLAN
SCALE 1:250

MODIFIED 'T' INTERSECTION, IN BE CONSTRUCTED IN ACCORDANCE WITH AS1742



MODIFIED 'T' JUNCTION - PLAN
SCALE 1:250

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System — Quality ISO 9001 — SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — 7198 — RPEQ No — DATE 20.01.25

DRAWN	DESIGNED	CHECKED
T.A.	M.G.	M.D.

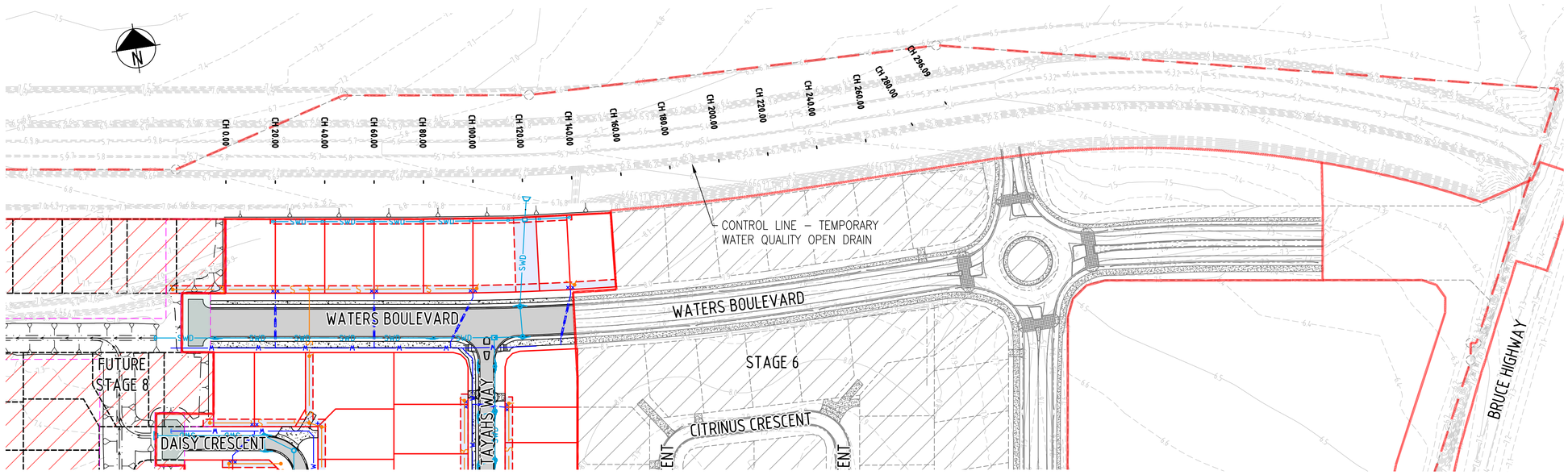
OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

TURNING MOVEMENTS
LAYOUT PLANS

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C311
REV: 1

CAD FILENAME: C:\12d\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C311.dwg Plot Date: 25 Jun, 2025

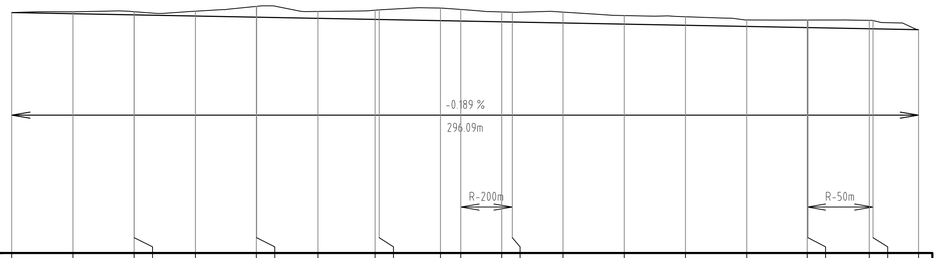
XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_SIGNAGE_LINEMARKING_LAYOUT_PLAN_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_DESIGN_PAVEMENT_HATCH_GREY.dwg ; X_2319_DC_STG 7_DEVELOPMENT_STAGING_MASTER.dwg ; X_2319_DC_STG 7_LOTS_EXIST_4_&_5.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_DES



LAYOUT PLAN
SCALE 1:1000

LEGEND:

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT BOUNDARY
- PROPOSED OPEN DRAIN INVERT
- PROPOSED RETAINING WALLS
- PROPOSED ROAD CENTRE LINE
- PROPOSED BARRIER KERB & CHANNEL
- PROPOSED MOUNTABLE KERB & CHANNEL
- PROPOSED MEDIAN KERB
- PROPOSED CONCRETE EDGE
- PROPOSED FENCE
- PROPOSED SIGNS
- PROPOSED STORMWATER PIPE & MANHOLE
- PROPOSED STORMWATER GULLY PITS
- PROPOSED STORMWATER HEADWALL
- PROPOSED POTABLE WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED SUBSOIL DRAIN & FLUSH POINT
- PROPOSED GRAVITY SEWER & MANHOLE
- PROPOSED POTABLE WATER LINE & FIRE HYDRANT
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE AREA
- EXISTING STAGES
- FUTURE STAGE 8
- PROPOSED TREES
- PROPOSED DRIVEWAY LOCATION



Vertical Geometry Grade (%)
Vertical Grade Length

Vertical Curve Length (m)
Vertical Curve Radius (m)

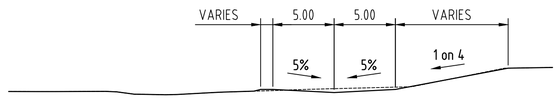
Horiz Curve Data

DATUM R.L.-2.000

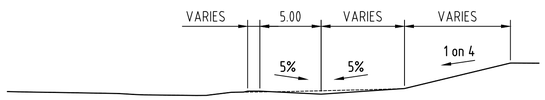
EXISTING SURFACE	5.849	5.873	5.877	5.877	5.893	6.050	6.051	5.885	5.927	5.937	5.995	5.950	5.870	5.858	5.863	5.749	5.712	5.607	5.605	5.605	5.594	5.589	5.290
DESIGN LEVELS ON ROAD CENTRELINE	5.848	5.811	5.773	5.773	5.735	5.697	5.697	5.659	5.624	5.622	5.584	5.571	5.546	5.539	5.508	5.470	5.433	5.395	5.357	5.357	5.319	5.317	5.289
CHAINAGE	0.000	20.000	39.999	40.000	60.000	79.897	80.000	100.000	118.664	120.000	140.000	146.627	160.000	163.445	180.000	200.000	220.000	240.000	259.741	260.000	280.000	281.224	296.090

LONGITUDINAL SECTION CL
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:100

TOTAL AREA TO 4.4ha FOR STAGE 7
SWALE TO BE 0.25m MINIMUM DEPTH



SECTION A (CH 120.000)
SCALE 1:250



SECTION B (CH 200.000)
SCALE 1:250

GENERAL NOTES:

1. ALL WORKS THAT ARE INCLUDED ON THESE ENGINEERING PLANS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATION, AND TO THE SATISFACTION OF THE PROJECT SUPERINTENDENT.
2. NO WORK ASSOCIATED WITH THESE DRAWINGS IS TO COMMENCE ON SITE UNTIL APPROVAL IS PROVIDED FROM THE LOCAL AUTHORITY, AND THE CONTRACTOR RECEIVES WRITTEN APPROVAL FROM THE SUPERINTENDENT. A PRE-START MEETING MUST BE HELD PRIOR TO COMMENCEMENT OF WORKS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE SERVICES AUTHORITIES (INCLUDING BUT NOT LIMITED TO ERGON ENERGY, TELSTRA, NBN AND THE LOCAL AUTHORITY) AND LOCATE EXISTING UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION WORKS COMMENCING ON SITE.
4. ANY DAMAGE CAUSED TO EXISTING INFRASTRUCTURE AS A RESULT OF CONSTRUCTION WORKS IS TO BE REPAIRED IMMEDIATELY.

POSITIONS OF EXISTING SERVICES SHOWN ARE PROVIDED FOR GUIDANCE ONLY AND LOCATIONS AND/OR DEPTHS MAY BE INCORRECT. ALSO ADDITIONAL EXISTING SERVICES MAY BE PRESENT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL EXISTING SERVICES ON SITE.

CONTROL LINE SETOUT TABLE - WATER QUALITY OPEN DRAIN

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	722455.899	7654212.596	5.848	98°50'30.00"			
IP 2	40.000	722495.423	7654206.448	5.773				
IP 3	79.897	722534.851	7654200.345	5.697				
IP 4	118.664	722573.243	7654194.967	5.624				
TC	146.627	722601.060	7654192.112	5.571	95°51'38.54"			
IP 5	155.036	722609.430	7654191.253	5.555		R = -200.000	16.818	4°49'04.70"
CT	163.445	722617.842	7654191.100	5.539	91°02'33.84"			
TC	259.741	722714.123	7654189.347	5.357	91°02'33.84"			
IP 6	270.482	722725.030	7654189.149	5.337		R = -50.000	21.483	24°37'02.78"
CT	281.224	722735.030	7654193.512	5.317	66°25'31.06"			
IP 7	296.090	722748.655	7654199.458		66°25'31.06"			

FOR CONSTRUCTION
25 Jun 2025

REV	REVISION DETAILS	DATE	APPR
1	ISSUE FOR CONSTRUCTION	20.01.25	M.D.
0	ISSUE FOR CONSTRUCTION	25.11.24	M.D.
A	ISSUE FOR APPROVAL	29.08.24	

SCALE 1:500 — 0 5 10 15 20m

SIG GROUP

DYKMAN CONSULTING

Certified System Quality ISO 9001 SAI GLOBAL

APPROVAL — RPEQ SIGNATURE — DATE — 7198 RPEQ No — 20.01.25

DRAWN	DESIGNED	CHECKED
T.A.	M.G.	M.D.

OORALEA WATERS STAGE 7
AT OORALEA, BAKERS CREEK
PROPERTY DEVELOPMENT

TEMPORARY WATER QUALITY
OPEN DRAIN LAYOUT AND DETAILS

ISSUE: ISSUE FOR CONSTRUCTION
PROJECT No: 2319
DRAWING No: 2319-STG7-C321
REV: 1

CAD FILENAME: C:\12d5\data\DykmanSYN\2319 - The Waters Ooralea_238\02 DES\022 DC Des\CAD - Stage 7 (Active)\DRG\2319-STG7-C321.dwg Plot Date: 25 Jun, 2025

XREFS :- X_DC_CIVIL.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION_LAYOUT_MASTER.dwg ; X_2319_DC_STG 7_DESIGN_CADD.dwg ; X_2319_DC_STG 7_DESIGN_CONT.dwg ; X_2319_DC_STG 7_LOTS.dwg ; X_2319_DC_STG 7_LOTS_EXIST_6.dwg ; X_2319_DC_STG 7_LOT_NUMBERS_ANNO_TEXT_500.dwg ; X_2319_DC_STG 7_VIEWPORT.dwg ; X_2319_DC_STG 7_CIVIL_WORKS_EXTENTS_500.dwg ; X_2319_DC_STG 7_DESIGN_FOOTPATH_HATCH.dwg ; X_2319_DC_STG 7_STREET_SEWER_RETICULATION_LAYOUT_PLAN_ANNO_500.dwg ; X_2319_DC_STG 7_SEWER_RETICULATION.dwg ; X_2319_DC_STG 7_DESIG