

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

CIVIL OPERATIONAL WORKS

VANTAGE YATALA - STAGE 3



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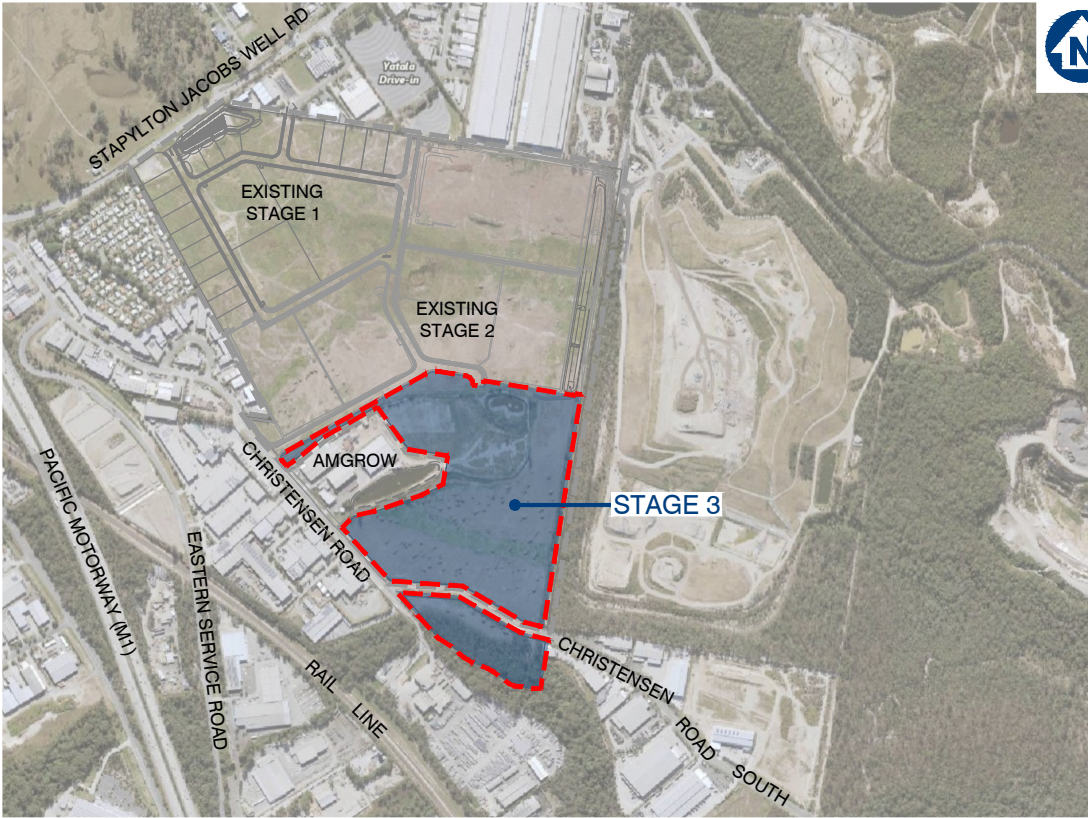
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T: 3807 3333 | F:3287 5461 | www.gassman.com.au

Gold Coast | 76 Business Street, Yatala QLD | PO Box 392, Beenleigh 4207

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STANDARD DRAWINGS			
DRAWING No.	REV.	ASSOCIATION	DRAWING TITLE
DS-010	F	IPWEA	ACCESS CHAMBER – STORMWATER ACCESS CHAMBER DETAILS – 1050 TO 2100 DIA
DS-015	C	IPWEA	ACCESS CHAMBER – MANHOLE FRAME – ROADWAY AND NON ROADWAY – 1050 TO 2100 DIA
DS-018	C	IPWEA	ACCESS CHAMBER – MANHOLE RISER DETAILS
DS-019	C	IPWEA	ACCESS CHAMBER – MANHOLE ROVER (ROADWAY)
DS-020	C	IPWEA	ACCESS CHAMBER – MANHOLE ROVER (NON ROADWAY)
DS-021	C	IPWEA	ACCESS CHAMBER – MANHOLE COVER CONCRETE INFILL (PEDESTRIAN TRAFFIC) 1050 TO 2100 DIA
DS-030	F	IPWEA	EXCAVATION, BEDDING & BACKFILL – RIGID & FLEXIBLE DRAINAGE PIPES
DS-031	D	IPWEA	EXCAVATION, BEDDING & BACKFILL PRECAST – BOX CULVERTS
DS-040	E	IPWEA	SEDIMENT CONTROL – SEDIMENT CONTROL DEVICES – SEDIMENT FENCE, ENTRY/EXIT SEDIMENT TRAP
DS-041	E	IPWEA	SEDIMENT CONTROL – SEDIMENT CONTROL DEVICES – KERB AND FIELD INLET, CHECK DAMS & STRAW BALES
DS-050	E	IPWEA	DRAINAGE PITS – FIELD INLET TYPE 1 AND TYPE 2
DS-061	B	IPWEA	DRAINAGE PITS – KERB INLET – PRECAST LINTEL DETAILS
DS-062	D	IPWEA	DRAINAGE PITS – KERB INLET – GRATE AND FRAME
DS-063	C	IPWEA	DRAINAGE PITS – KERB INLET – LIP IN LINE – GENERAL ARRANGEMENT
DS-065	I	IPWEA	PATHWAYS – CONCRETE PATHWAY CONSTRUCTION DETAILS
DS-073	A	IPWEA	BIORETENTION DRAINAGE PROFILE – TYPE 3 – CONVENTIONAL
DS-075	A	IPWEA	LARGE BIORETENTION SEDIMENT FOREBAY
DS-076	A	IPWEA	BIORETENTION WEIR
DS-078	A	IPWEA	BIORETENTION STANDARD NOTES
GS-041	D	IPWEA	FENCING – CHAIN WIRE SECURITY FENCING
RS-049	E	IPWEA	VEHICLE CROSSING – RESIDENTIAL DRIVEWAYS – PLAN 1 OF 2
RS-050	G	IPWEA	VEHICLE CROSSING – RESIDENTIAL DRIVEWAYS – PLAN 2 OF 2
RS-080	F	IPWEA	KERB AND CHANNEL – PROFILES AND DIMENSIONS – INCLUDING EDGE RESTRAINTS, MEDIAN & CHANNEL
RS-090	J	IPWEA	KERB RAMPS – RAMPED PEDESTRIAN
RS-091	F	IPWEA	KERB RAMPS – RAMPED AND CUT THROUGH TREATMENTS – FOR PEDESTRIAN CROSSINGS, SLIP LANES AND MEDIANS
RS-094	F	IPWEA	KERB RAMPS – LOCATIONS AND CONFIGURATIONS
RS-130	F	IPWEA	ROAD FURNITURE – STREET NAME SIGN AND LOCATION (FINGERBOARD)
RS-131	G	IPWEA	ROAD FURNITURE – TRAFFIC SIGN INSTALLATION DETAILS
RS-140	F	IPWEA	SUBSOIL DRAINS – DETAILS AND LOCATION
RS-142	F	IPWEA	SUBSOIL DRAINS – ACCESS POINTS
SDI033	K	DTMR	KERB AND CHANNEL
SDI304	N	DTMR	PIPE CULVERTS – WINGWALLS, HEADWALLS AND APRON FOR PIPE DIA 750 TO 2400
02-003	2	CoGC	TYPICAL CROSS SECTIONS – COLLECTOR STREETS – PLAN 2 OF 2
02-005	I	CoGC	PUBLIC UTILITY PLANT CORRIDOR ALLOCATIONS IN PUBLIC ROAD VERGES
02-601	I	CoGC	NEW ROADS – SERVICE CONDUIT CROSSINGS
02-602	I	CoGC	ROAD CROSSING – TRENCH RESTORATION – FLEXIBLE PAVEMENTS
03-008	I	CoGC	FIELD INLET AND INTER-ALLOTMENT DRAINAGE PIT
03-101	I	CoGC	STORMWATER ACCESS CHAMBER 1050 DIA TO 1500 DIA
03-102	I	CoGC	STORMWATER ACCESS CHAMBER 1050 DIA TO 1500 DIA ROOF SLABS
03-201	I	CoGC	EXCAVATION AND BEDDING OF CONCRETE STORMWATER PIPES
05-014	I	CoGC	CHAIN WIRE FENCING – 1.8m HIGH



Source: qldglobe.information.qld.gov.au

LOCALITY PLAN
1:8000 (A1)

CLIENT



FPI QUEENSLAND
PTY. LTD.

VantageYatala

SITE ADDRESS

LOT 504 on SP329485
LOT 504 HOMESTEAD DRIVE
STAPYLTON QLD 4207

ISSUED FOR CONSTRUCTION

DWG NO.5941 ENG CW3 001 - O

MARCH 2026

Basin 3 is not within the
scope of operational
works due to being a
private basin

This Operational Works approval is for
Infrastructure (roadwork, stormwater,
sewer and water reticulation) only.

SURVEY CONTROL DETAILS	
LEVEL DATUM	AHD
MERIDIAN	IS260952
PSM	I72620
PSM COORDINATES	LOCAL GRID
RL (m)	–

1. CONTRACT DOCUMENTATION
ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATION AND CoGC STANDARD DRAWINGS AND SPECIFICATIONS.
2. DATUM
LEVELS SHOWN ON THE PLANS ARE A.H.D.
3. SURVEY SETOUT
THE SURVEY SET OUT INFORMATION TO ALLOW THE CONTRACTOR TO ACCURATELY SET OUT THE WORKS HAS BEEN ESTABLISHED ON SITE BY THE PRINCIPAL'S SURVEYOR. THE CONTRACTOR IS NOT TO SCALE FROM THESE PLANS AS A MEANS OF OBTAINING SETOUT INFORMATION.
4. EXISTING SURVEY CONTROL STATIONS
IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT EXISTING SURVEY CONTROL STATIONS ARE NOT DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES. SHOULD THE CONTRACTOR IDENTIFY ANY CONFLICT BETWEEN EXISTING SURVEY CONTROL AND THE REQUIRED CONSTRUCTION ACTIVITIES THE SUPERINTENDENT IS TO BE NOTIFIED IMMEDIATELY.
5. EXISTING SERVICES
THE LOCATION OF EXISTING SERVICES WHERE SHOWN ON THE PLANS ARE INDICATIVE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE RELEVANT SERVICE AUTHORITIES TO ASCERTAIN THE EXACT LOCATION OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS AND TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THE EXISTING SERVICES.
6. SITE ACCESS
THE CONTRACTOR SHALL ONLY GAIN ACCESS TO THE SITE VIA ACCESS LOCATIONS APPROVED BY THE SUPERINTENDENT. FREEDOM OF ACCESS TO OTHER WORK AREAS ON THE SITE SHALL BE MAINTAINED AT ALL TIMES.
7. PROVISION FOR TRAFFIC
PROVISION FOR TRAFFIC ON LOCAL ROADS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND CoGC COUNCIL REQUIREMENTS.
8. WORK EXTENT
THE CONTRACTOR IS TO RESTRICT ACTIVITIES TO THOSE AREAS DESIGNATED AS WORKS AREAS UNDER THE CONTRACT. AT NO TIME IS THE CONTRACTOR TO ENTER ADJOINING PROPERTIES OR CONTRACT AREAS WITHOUT THE WRITTEN AUTHORISATION OF THE SUPERINTENDENT.
9. TESTING
ALL TESTING IS TO BE CARRIED OUT BY AN APPROVED N.A.T.A TESTING AUTHORITY IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND REQUIREMENTS OF CoGC COUNCIL.
10. "AS CONSTRUCTED" SURVEY
"AS CONSTRUCTED" SURVEY SHALL BE CARRIED OUT BY THE PRINCIPAL'S SURVEYOR AS WORK PROCEEDS. THE CONTRACTOR IS TO PROVIDE ADEQUATE NOTICE TO THE PRINCIPAL'S SURVEYOR ON WHEN THIS IS REQUIRED TO ENSURE COMPLIANCE WITH THE REQUIREMENTS OF CoGC COUNCIL.
11. MAINTENANCE OF SITE CONDITION
AT THE COMPLETION OF WORKS THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT AND CoGC.

EARTHWORKS

1. PRECEDENCE
EARTHWORKS SPECIFICATION PREPARED BY PROJECT GEOTECHNICAL ENGINEER TO TAKE PRECEDENCE OVER STANDARD COUNCIL EARTHWORKS NOTES.
2. TOPSOIL STRIPPING
TOPSOIL SHALL BE STRIPPED ACROSS THE ENTIRE LIMIT OF THE EARTHWORKS CUT AND FILL AREAS AND SHALL BE STOCKPILED IN A LOCATION APPROVED BY THE SUPERINTENDENT. THE EXISTING STRATA IS TO BE TREATED IN ACCORDANCE WITH THE SPECIFICATION PRIOR TO PLACING ANY FILL.
3. EARTHWORKS LEVELS
EARTHWORKS LEVELS SHOWN ON THE DRAWING ARE TO FINISHED SURFACE LEVELS AND INCLUDE 100mm OF TOPSOIL. THE CONTRACTOR SHALL VERIFY BENCH MARK LEVELS AND ADVISE THE SUPERINTENDENT OF ANY DISCREPANCY BEFORE COMMENCEMENT OF CONSTRUCTION.
4. UNDESIRABLE MATERIAL
THE ENTIRE SITE/WORK AREAS SHALL BE CLEARED OF ALL UNDESIRABLE MATTER. THIS SHALL INCLUDE DEAD TIMBER, GRASS, OLD FOUNDATIONS, CONCRETE, MASONRY REMAINS, GARBAGE, DEBRIS AND ALL OTHER OBSTRUCTIONS TO THE WORKS UNLESS NOTED OTHERWISE. HOLES LEFT BY THE REMOVAL OF ANY OF THE ABOVE SHALL BE FILLED WITH APPROVED COMPACTED MATERIAL WITH PROPERTIES AT LEAST SIMILAR TO INSITU SOILS.
5. COMPACTION STANDARD
FILL MATERIAL SHALL BE COMPACTED TO THE FOLLOWING STANDARD, WHERE DRY DENSITY RATIO IS DETERMINED IN ACCORDANCE WITH AS 1289 USING STANDARD COMPACTION METHODS.
 - a. 100% DRY DENSITY RATIO IN COHESIVE MATERIAL OR 80% IN COHESIONLESS MATERIAL FOR ROAD SUBGRADE.
 - b. 98% DRY DENSITY RATIO IN COHESIVE MATERIAL OR 65% IN COHESIONLESS MATERIAL FOR ALL AREAS OTHER THAN THE ROADWAY AND BUILDING PADS.
 - c. 98% DRY DENSITY RATIO IN COHESIVE MATERIAL OR 70% IN COHESIONLESS MATERIAL FOR BUILDING PADS.
5. PAVEMENT DEPTHS
EARTHWORKS VOLUMES DO NOT INCLUDE DESIGN PAVEMENT DEPTHS AS INDICATED ON THE TYPICAL BULK EARTHWORKS ROAD SECTION.
6. TESTING
ALL EARTHWORKS TO BE CARRIED OUT UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 3798 UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT. ALL COMPACTION TESTING SHALL BE CARRIED OUT BY AN APPROVED N.A.T.A TESTING AUTHORITY.
7. ROCK
THE CONTRACTOR IS TO INCLUDE ROCK EXCAVATION AS PART OF THEIR EARTHWORKS RATES UNLESS SCHEDULED OTHERWISE WITHIN THE CONTRACT DOCUMENT.

- PRE START**

 - a. ERECT SITE SIGNAGE, CONSTRUCT ENTRY AND EXIT POINT AS INDICATED CONSTRUCT VEHICLE WASH-DOWN AREA AND ASSOCIATED SILT MANAGEMENT DEVICES.
 - b. CONSTRUCT SITE OFFICE AND STORAGE COMPOUND AREA
 - c. ERECT SILT FENCE AT LOW POINTS OF THE SITE AS DEMONSTRATED
 - d. ERECT TEMPORARY TREE PROTECTION FENCING FOR VEGETATION TO BE RETAINED IN ACCORDANCE WITH AN OPW (TREE CLEARING) APPROVAL OR IN ACCORDANCE WITH AS4970 PROTECTION OF TREES ON DEVELOPMENT SITE.
 - e. CONSTRUCT ROCK CHECK DAMS AND SILT FENCE DOWN STREAM OF BASIN.
 - f. CONSTRUCT BASIN TO FULL DEPTH.
 - g. CONSTRUCT BALANCE OF BASIN IN CONJUNCTION WITH CLEARING AND BULK EARTHWORKS OPERATIONS.
 - h. BASIN TO BE UTILISED AS A TEMPORARY SEDIMENT BASIN. DO NOT FILL IN FILTRATION MATERIAL UNTIL CONSTRUCTION OF DEVELOPMENT IS COMPLETE.
- 2. CLEARING AND BULK EARTHWORKS**

THERE SHALL BE NO CLEARING OF PROTECTED SITE VEGETATION WITHOUT AN APPROVED TREE CLEARING PLAN WHICH SHALL BE IN ACCORDANCE WITH AS4970.

SILT FENCE, SAND BAGS AND EARTH RILLS WITHIN ROADS TO BE ERECTED AS INDICATED OR REQUIRED DURING CLEARING & EARTHWORKS.

SUPERINTENDENT TO CONFIRM THE EXTENT OF CLEARING PRIOR TO COMMENCEMENT OF WORKS.
- 3. CONSTRUCTION OF SEWER/ROOFWATER / STORMWATER SERVICES**

EXCAVATED MATERIAL TO BE PLACED ON HIGH SIDE OF TRENCH AND TO PROTECT PIPE WORK AND DIRECT SURFACE MATERIAL AWAY FROM EXCAVATIONS.

TOPSOIL AND GRASS SEED AREAS IN ALLOTMENTS IMMEDIATELY AFTER COMPLETING THE SEWER AND ROOFWATER DRAINAGE CONSTRUCTION.

DEPRESS GROUND AROUND TEMPORARY FIELD INLETS TO CREATE SILT POND.
- 4. CONSTRUCTION – SEDIMENT BASINS**

SEDIMENT BASIN TO BE CONSTRUCTED TO THE EARTHWORK PROFILES SHOWN.

STORMWATER OUTLET PIPES TO BE TEMPORARILY BLOCKED OFF UNTIL DECOMMISSIONING OF SEDIMENT BASIN (SUBSEQUENT TO CONSTRUCTION OF ALL STAGES).

PLACE SPOIL FROM SEDIMENT BASIN INTO ALLOCATED AREAS AS ENGINEERED FILL IN ACCORDANCE WITH THE STAGING ORDER.

SEDIMENT BASIN SHALL ONLY BE REMOVED AFTER APPROVAL BY SUPERINTENDENT AND COUNCIL.
- 5. CONSTRUCTION – STOCKPILING**

TEMPORARY SILT FENCE TO BE ERECTED 5m FROM TOE OF BATTER ON LOW SIDE OF STOCKPILING.

STOCKPILE SITE TO BE CLEARED OF ADJACENT PROPERTY BOUNDARIES SO AS NOT TO CAUSE NUISANCE TO ADJOINING PROPERTIES.

NO STOCKPILES ARE TO BE LOCATED WITHIN THE DRIP ZONE OR STRUCTURAL ROOT ZONE OF ANY RETAINED VEGETATION.
- 6. CONSTRUCTION – ROADWORKS**

SILT FENCES TO ALLOTMENTS TO BE ERECTED.

KERB INLET PROTECTION TO BE PROVIDED TO ALL GULLIES.
- 7. CONSTRUCTION – ALLOTMENTS**

TOPSOIL AND SEED ALLOTMENTS.

SILT FENCES TO ALLOTMENTS TO BE RE-ERECTED.

COVERS TO GULLY GRATES TO BE REMOVED IF THE SUPERINTENDENT INDICATE THE GRASS STRIKE IS SUFFICIENT (80% WITHIN 30 CALENDAR DAYS OF FINAL ALLOTMENT RIMMING).
- 8. POST CONSTRUCTION – ALLOTMENTS**

TOPSOIL AND GRASS SEED ALL ALLOTMENTS.

COVERS TO GULLY GRATES TO BE REMOVED IF THE SUPERINTENDENT INDICATES THE GRASS STRIKE IS SUFFICIENT (80% WITHIN 30 CALENDAR DAYS OF FINAL ALLOTMENT TRIMMING).
- 9. POST CONSTRUCTION – BASIN**

BASIN TO CONTINUE ACTING AS SEDIMENT BASIN UNTIL COMPLETION OF ALL STAGES.
- 10. POST CONSTRUCTION – ROAD RESERVES**

TOPSOIL AND TURFING IS TO BE PROVIDED BEHIND KERB.
- 11. MAINTENANCE (PRE TO POST CONSTRUCTION)**

THE SILT FENCES ARE TO BE INSPECTED WEEKLY.

ANY REPAIRS REQUIRED ARE TO BE EFFECTED IMMEDIATELY.

SILT AFTER RAIN IS TO BE CLEANED FROM STREETS AND ALLOTMENTS IMMEDIATELY AND CORRECTIVE ACTION TAKEN TO AVOID A RE-OCCURRENCE OF THE FAILURE.
- 12. BASIN CONSTRUCTION**

PRIOR TO COMMENCING CONSTRUCTION OF THE DETENTION BASIN THE DIVERSION OF SURFACE WATER FROM THE PROPOSED WORK AREAS, USING MEASURES SUCH AS OPEN DRAINS/SUMPS, ARE REQUIRED TO AID IN SITE DE-WATERING.

BASIN TO CONTINUE ACTING AS SEDIMENT BASIN UNTIL 85% OF CATCHMENT CONSTRUCTION IS COMPLETE.

THE CLAY FILLING FOR THE BASIN WALLS SHALL BE PLACED IN HORIZONTAL LAYERS OF 200mm THICKNESS AND COMPACTED TO DENSITY RATIO WITHIN THE RANGE 98%–102% STANDARD COMPACTION (AS I289.5.1.1). PLACEMENT MOISTURE CONTENT SHOULD BE WITHIN THE RANGE OMC –1% TO OMC –2% (WHERE OMC = OPTIMUM MOISTURE CONTENT FOR STANDARD COMPACTION). CONTRACTOR TO PROVIDE SAFETY FENCING TO BASIN DURING CONSTRUCTION AND APPROPRIATE SIGNAGE (PERMANENT OR TEMPORARY).

- THE OBJECTIVES OF THE EROSION AND SEDIMENT CONTROL PROGRAM ARE:

 - a. ALLOW STORMWATER TO PASS THROUGH THE SITE IN A CONTROLLED MANNER AT NON-EROSIVE FLOW VELOCITIES.
 - b. MINIMISE SOIL EROSION FROM WATER AND WIND
 - c. MINIMISE ADVERSE EFFECTS OF SEDIMENT RUNOFF.
 - d. MINIMISE OR PREVENT ENVIRONMENTAL HARM ASSOCIATED WITH DISCHARGE FROM THE CONSTRUCTED SITE.
 - e. ENSURE THAT THE VALUE AND USE OF RESIDENTIAL AND INDUSTRIAL PROPERTIES ADJACENT TO THE DEVELOPMENT ARE NOT DIMINISHED AS A RESULT OF THE MIGRATION OF SEDIMENT FROM THE DEVELOPMENT.
2. THE EROSION AND SEDIMENT CONTROL PROGRAM SHALL COMPLY WITH THE ENVIRONMENTAL BEST ENGINEERING GUIDELINES FOR QUEENSLAND CONSTRUCTION SITES. THE CURRENT INSTITUTION OF ENGINEERS AUSTRALIA AND LOCAL AUTHORITY GUIDELINES. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND DOWNSTREAM SEDIMENTATION DURING ALL STAGES OF CONSTRUCTIONS INCLUDING THE MAINTENANCE PERIOD. NOTWITHSTANDING THE FINISHED EARTHWORK DESIGN SHOWN ON THE DRAWINGS THE CONTRACTOR IS RESPONSIBLE TO IMPLEMENT ADDITIONAL SEDIMENT CONTROL MEASURES AND DEVICES USING BEST PRACTICES AS NECESSARY TO MINIMISE THE QUANTITY LEAVING THE SITE DURING CONSTRUCTION AND UPON COMPLETION OF EARTHWORKS.
3. THE CONTRACTOR IS TO FOLLOW CONSTRUCTION PHASE AS OUTLINED IN THE CONSTRUCTION SEQUENCE/SILT MANAGEMENT PROGRAM. ALL SEDIMENT CONTROL DEVICES SHALL BE MONITORED, CLEANED AND/OR REPLACED WHENEVER THE ACCUMULATED SEDIMENT REDUCES THE CAPACITY BY 50%. ALL PERIMETER BANK/SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. AT ALL TIMES THE CONTRACTOR SHALL MONITOR THE PREVAILING WEATHER CONDITIONS AND PROTECT ANY DOWNSTREAM CONSTRUCTION AND GULLY INLETS. INLETS TO HAVE SILT PROTECTION IN ACCORDANCE WITH KERB INLET PROTECTION DETAIL AT LOCATIONS SHOWN OR AS INDICATED BY THE ENGINEER.
4. PRIOR TO THE COMMENCEMENT OF EARTHWORKS, THE CONTRACTOR IS TO CARRY OUT SOIL TESTING (IF REQUIRED BY SUPERINTENDENT) TO DETERMINE THE DISPERSIVE CHARACTERISTICS OF THE SOIL AND RESULTS TO BE GIVEN TO THE ENGINEERS SO THE FINALIZATION OF THE EROSION AND SEDIMENT CONTROL PLAN CAN BE COMPLETE.
5. TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN LOCATIONS AGREED WITH THE SUPERINTENDENT. CLEARING OF SITE AND STOCKPILE AREAS TO BE AS DIRECTED BY THE SUPERVISING ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST AT ALL TIMES INCLUDING WEEKENDS AND PUBLIC HOLIDAYS.
6. SUITABLE ACCESS SHALL BE PROVIDED TO ALLOW MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES (IT IS TO BE NOTED THAT CLEARING SHALL ONLY OCCUR IN AREAS WHERE THERE IS NO OTHER ALTERNATIVE TO GAIN ACCESS TO THE LOCATION OF THE SEDIMENT CONTROL DEVICES). APPROVAL FOR REMOVAL OF PROTECTED SIZE VEGETATION MUST BE OBTAINED PRIOR TO CLEARING.
7. ROCK BUNDS TO BE PLACED AROUND ALL HEADWALLS DURING CONSTRUCTION.
8. 0.8m TURF IS TO BE PLACED BEHIND ON ALL BATTERS WITHIN PRIVATE OPEN SPACE STEEPER THAN 1:4 UNLESS OTHERWISE NOTED. THE EXTENT OF GRASSING SHALL BE DETERMINED BY THE ENGINEER AND SHALL BE SEED, AS SPECIFIED, WITHIN 7 DAYS OF FINAL TRIMMING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT GRASS STRIKE RATES ARE ACHIEVED AT ON AND OFF MAINTENANCE INSPECTION IN ACCORDANCE WITH COUNCIL REQUIREMENTS.
9. TURF IS TO BE PLACED FROM BACK OF KERB TO ROAD RESERVE BOUNDARY ON ALL ROADS AFTER EARTHWORKS ARE COMPLETE.
10. GEO-FABRIC LINING OF CHANNELS AND CHECK DAMS MAY BE REQUIRED SUBJECT TO THE SITE CONDITIONS.
11. FILLING AND OR MAINTENANCE OF EXISTING AND OR SEDIMENT BASINS MAY REQUIRE FLOCCULATION.
12. BATTERS WITHIN PUBLIC OPEN SPACE TO BE VEGETATED IN ACCORDANCE WITH THE APPROVED OPEN SPACE MANAGEMENT PLAN (OSMP).
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN OUT GPT'S, SEDIMENT FOREBAYS AND ALL OTHER SEDIMENT CONTROL DEVICES DURING CONSTRUCTION AND PRIOR BOTH ON AND OFF MAINTENANCE INSPECTIONS WITH CoGc. THE CONTRACTOR SHALL ALLOW FOR THE COST OF THESE WORKS WITHIN THEIR SUBMITTED TENDER PRICE.



Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

ISSUED FOR CONSTRUCTION

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Drawing Title:

LEGEND

A	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE. CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

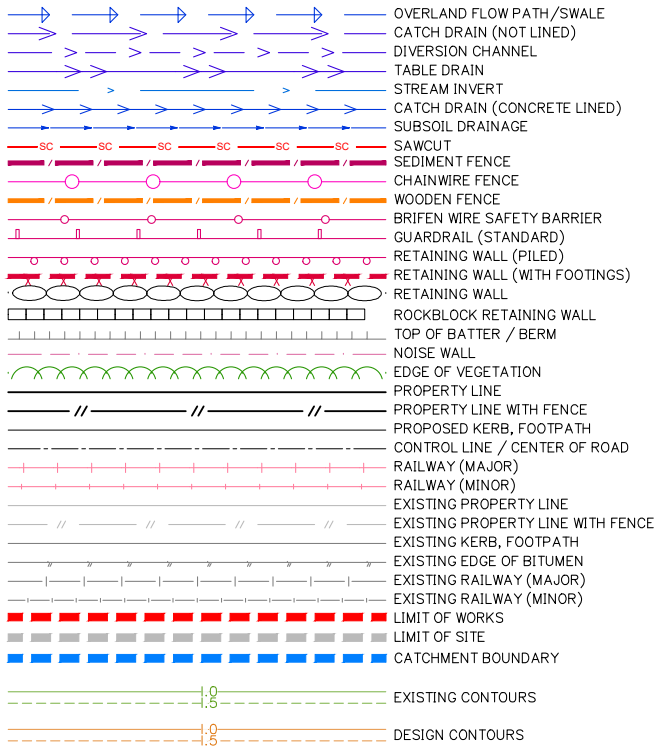
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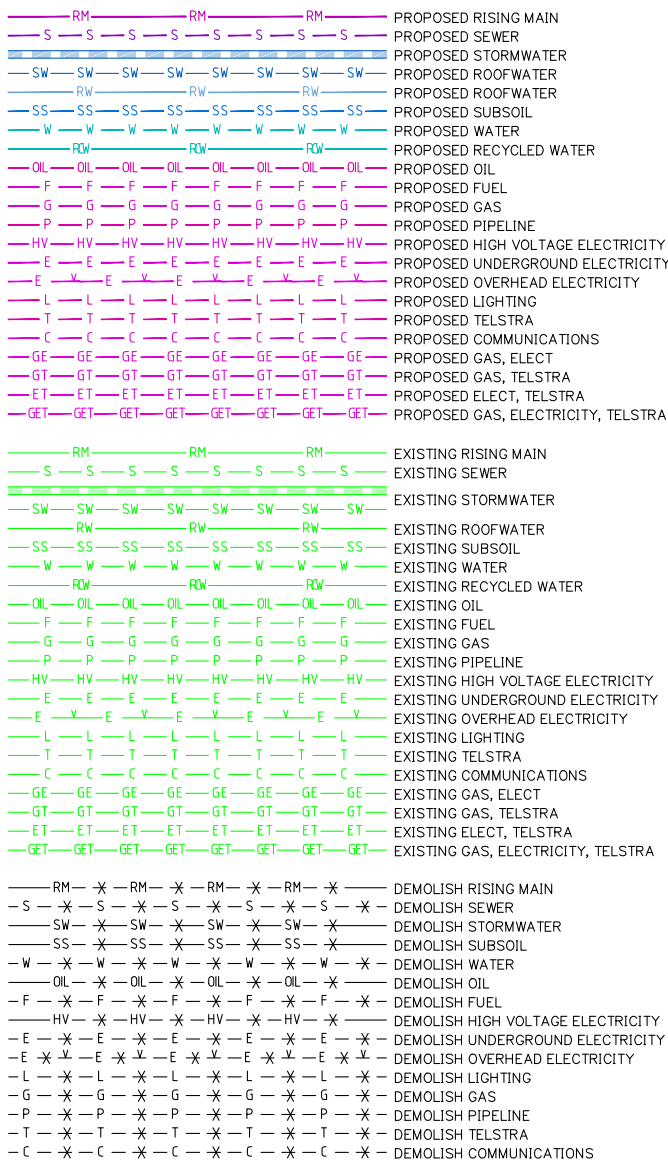
PROJECT NORTH POINT

Project No.	5941
Designed: JH	Drafted: JH
Approved: MG	
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No:	Revision
5941 ENG CW3 004	A

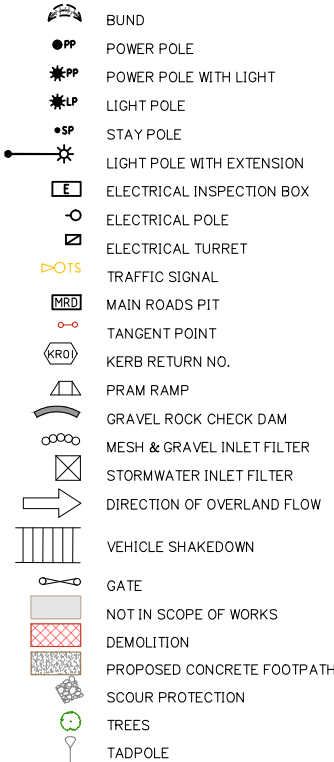
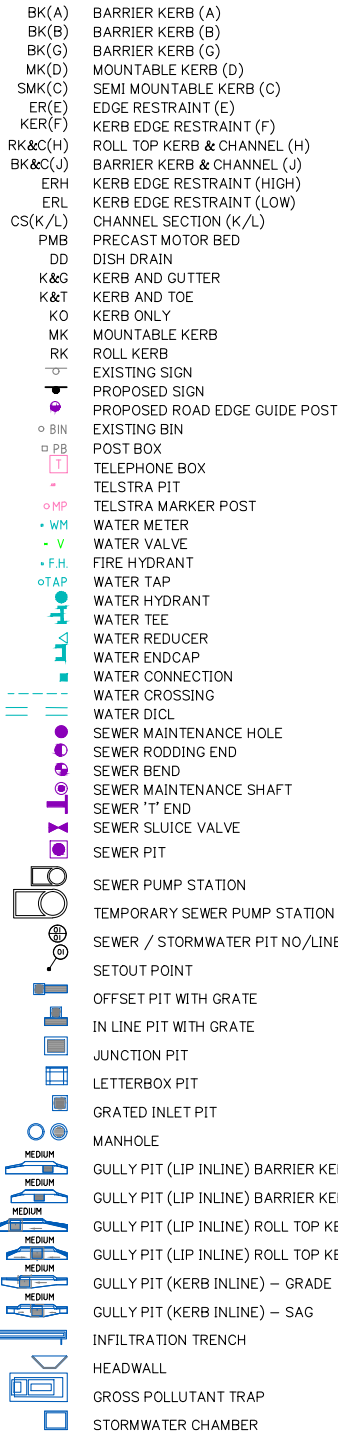
FEATURE LEGEND



SERVICES LEGEND



SYMBOLS



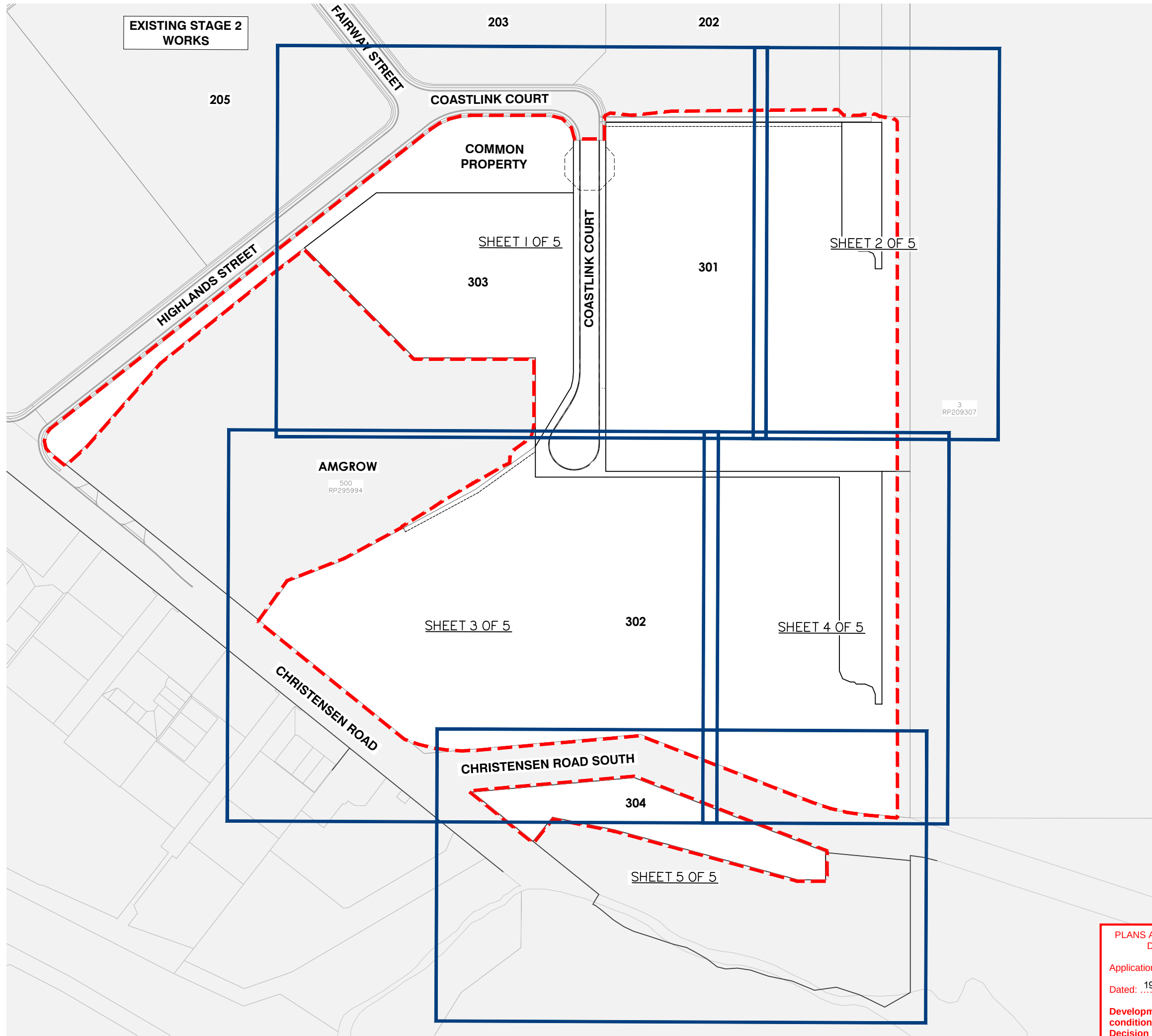
LEGEND

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



KEY LAYOUT PLAN

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



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Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
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PSM:
RL:

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Drawing Title:

KEY LAYOUT PLAN

Rev	Date	Description	DRN	CHK
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	06/11/23	LOT NUMBER UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE. A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES A3 REDUCED

Scale:
0 25 50 75 100m
1:1250 (A1) 1:2500 (A3)

PROJECT NORTH POINT



Project No: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

Date:

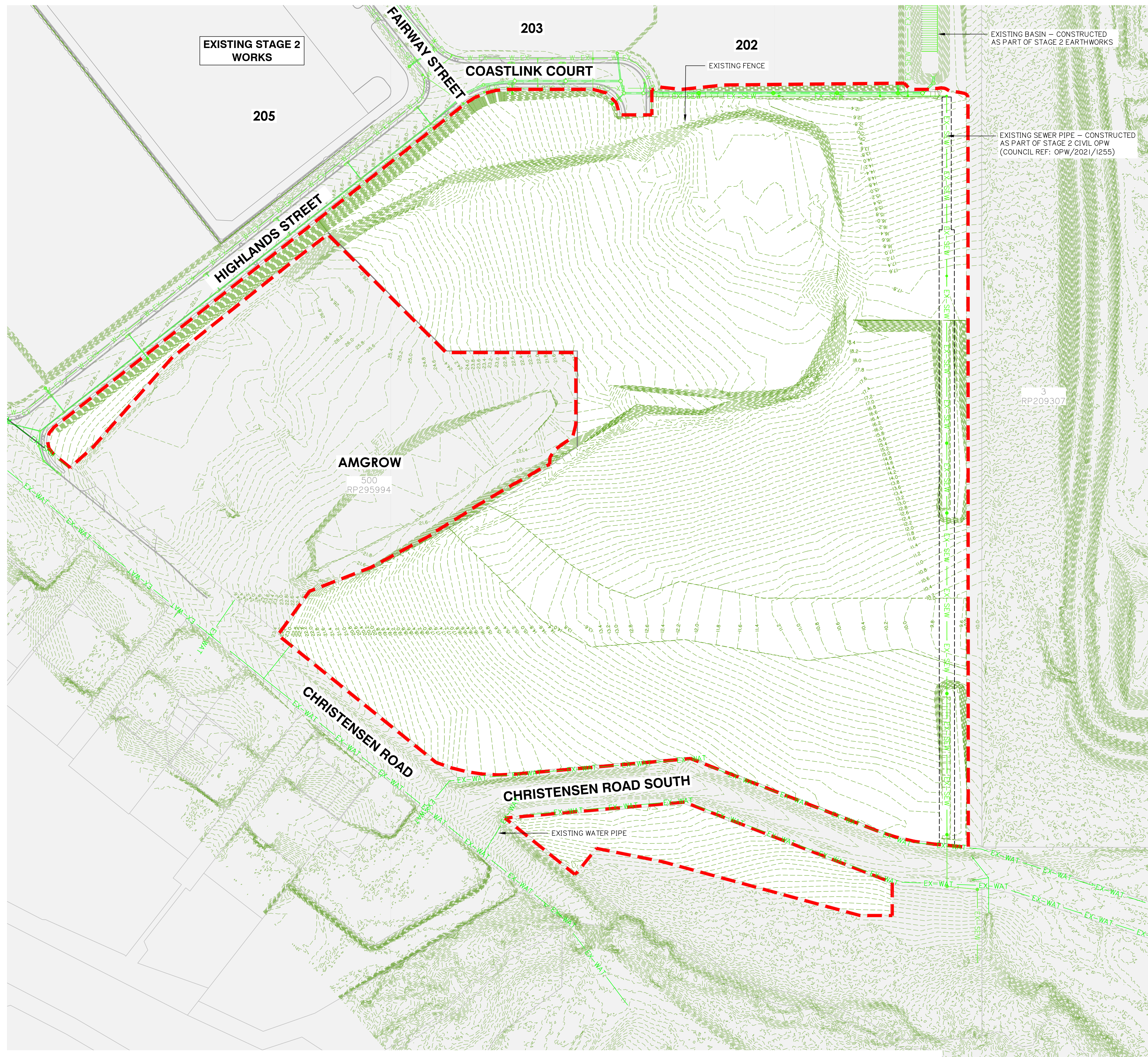
28/09/2023

Drawing No:

5941 ENG CW3 005

Revision

B



PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No. MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot:	504
Plan:	SP329485
Local Authority:	CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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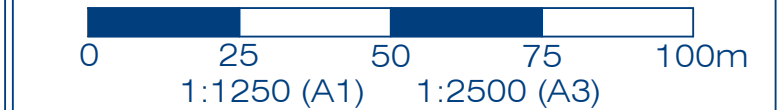
Drawing Title:

EXISTING SURFACE LAYOUT PLAN

B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG	
B	21/12/23	DESIGN UPDATED	ML	MG	
A	25/05/23	ORIGINAL ISSUE	JH	MG	
Rev	Date	Description	DRN	CHK	

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

Scale:



PROJECT NORTH POINT



Project No. 5941

Designed: JH

Drafted: ML

Approved:

MG

RPEQ

16939

Signed:

Michael J. Green

Date:

28/09/2023

Drawing No:

Revision

5941 ENG CW3 010

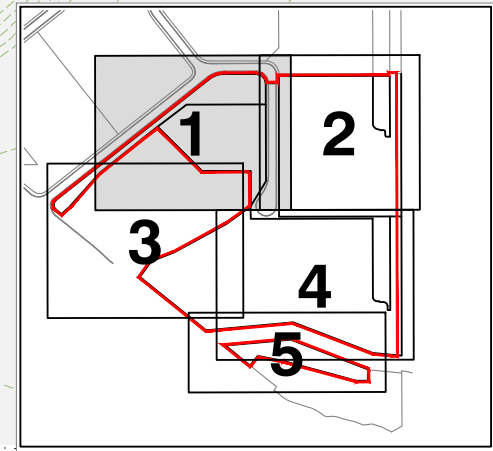
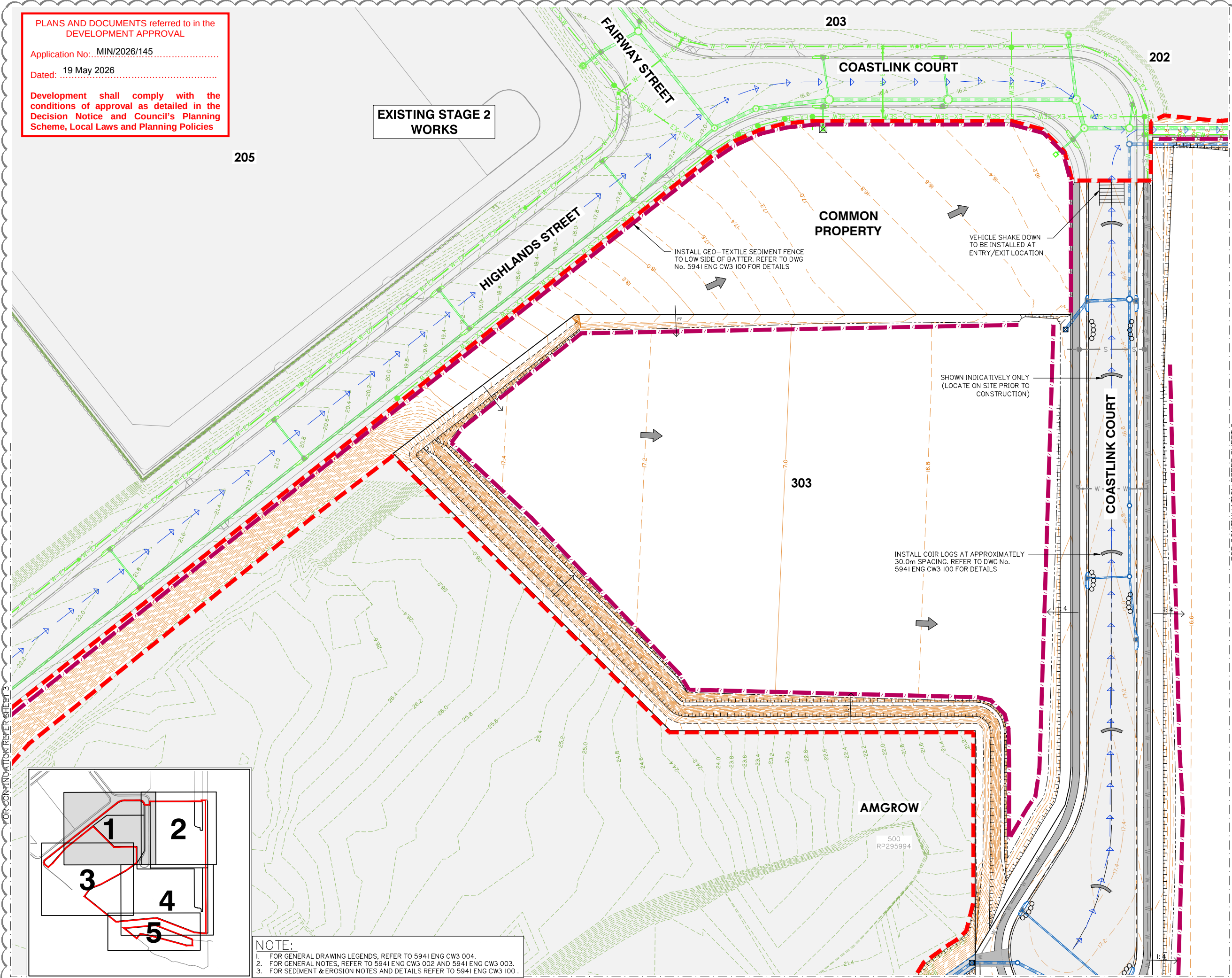
B

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



NOTE:

1. FOR GENERAL DRAWING LEGENDS, REFER TO 5941 ENG CW3 004.
2. FOR GENERAL NOTES, REFER TO 5941 ENG CW3 002 AND 5941 ENG CW3 003.
3. FOR SEDIMENT & EROSION NOTES AND DETAILS REFER TO 5941 ENG CW3 100.

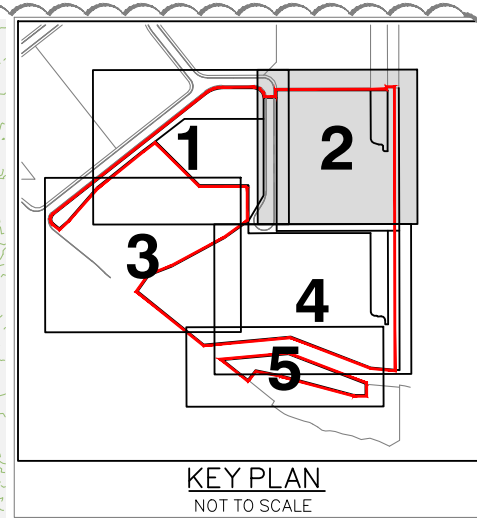
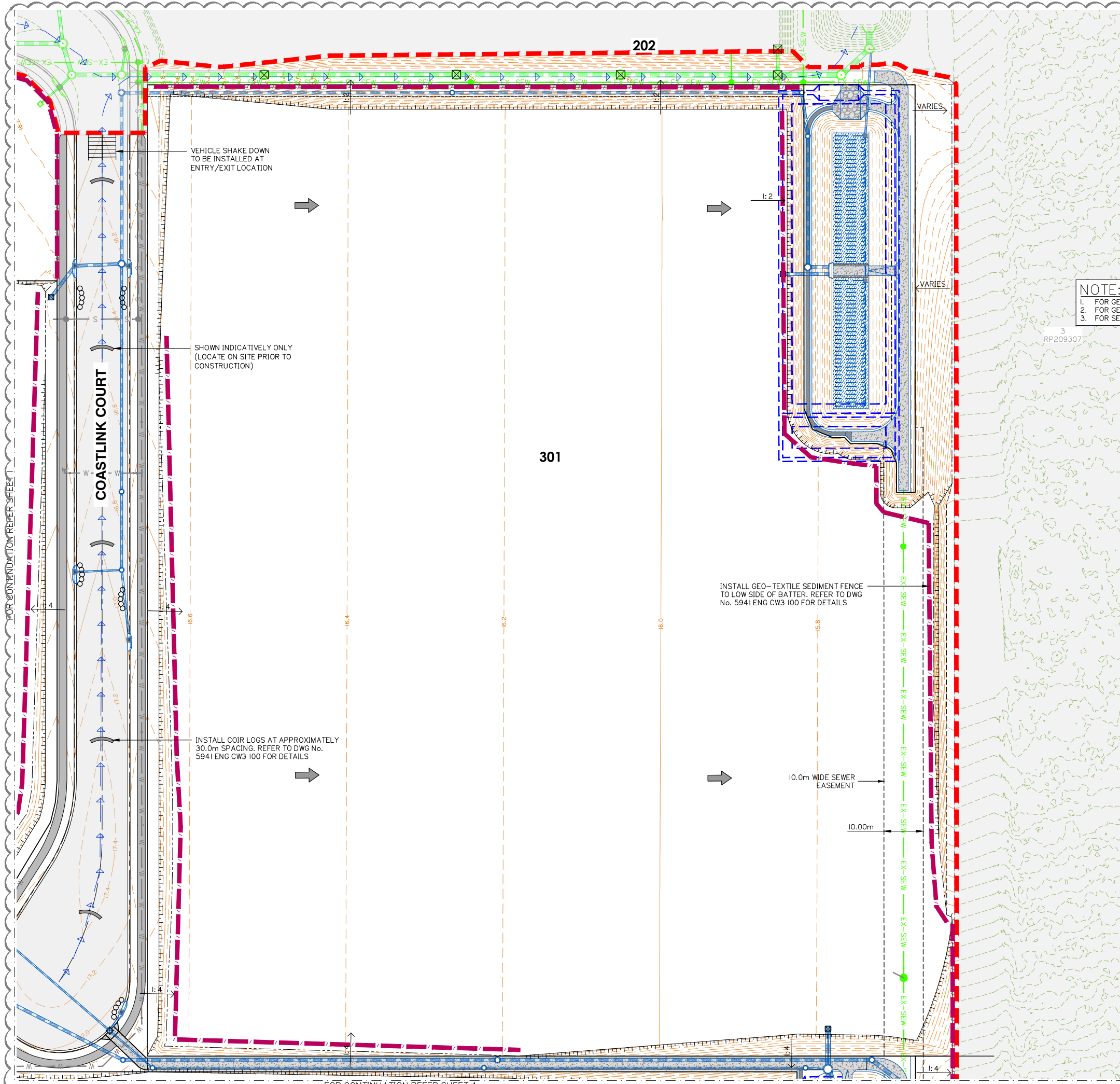
Rev	Date	Description	JH	MG
H	11/04/25	SWD MANHOLE ADDED	JH	MG
G	11/04/25	LAYOUT UPDATED	JH	MG
F	26/03/25	STORMWATER LINE UPDATED	JH	MG
E	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
D	11/11/24	LAYOUT UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	21/12/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE: A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES A3 REDUCED

Scale:

0 10 20 30 40m

1:500 (A1) 1:1000 (A3)



NOTE:
1. FOR GENERAL DRAWING LEGENDS, REFER TO 5941 ENG CW3 004.
2. FOR GENERAL NOTES, REFER TO 5941 ENG CW3 002 AND 5941 ENG CW3 003.
3. FOR SEDIMENT & EROSION NOTES AND DETAILS REFER TO 5941 ENG CW3 100.



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Client:



FRASERS
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PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian: PSM:
RL:

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Drawing Title:

SEDIMENT AND EROSION
CONTROL PLAN
SHEET 2 OF 5

Rev	Date	Description	JH	MG
H	11/04/25	SWD MANHOLE ADDED	JH	MG
G	11/04/25	LAYOUT UPDATED	JH	MG
F	26/03/25	STORMWATER LINE UPDATED	JH	MG
E	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
D	11/12/24	SWD & BASIN 2 UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/02/24	FOOTPATH AMENDED	JH	MG
A	21/12/23	LAYOUT UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

Rev Date Description JH MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE: A1 UNREDUCED A3 REDUCED

Scale:

0 10 20 30 40m

1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No.: 5941

Designed: JH Drafted: ML

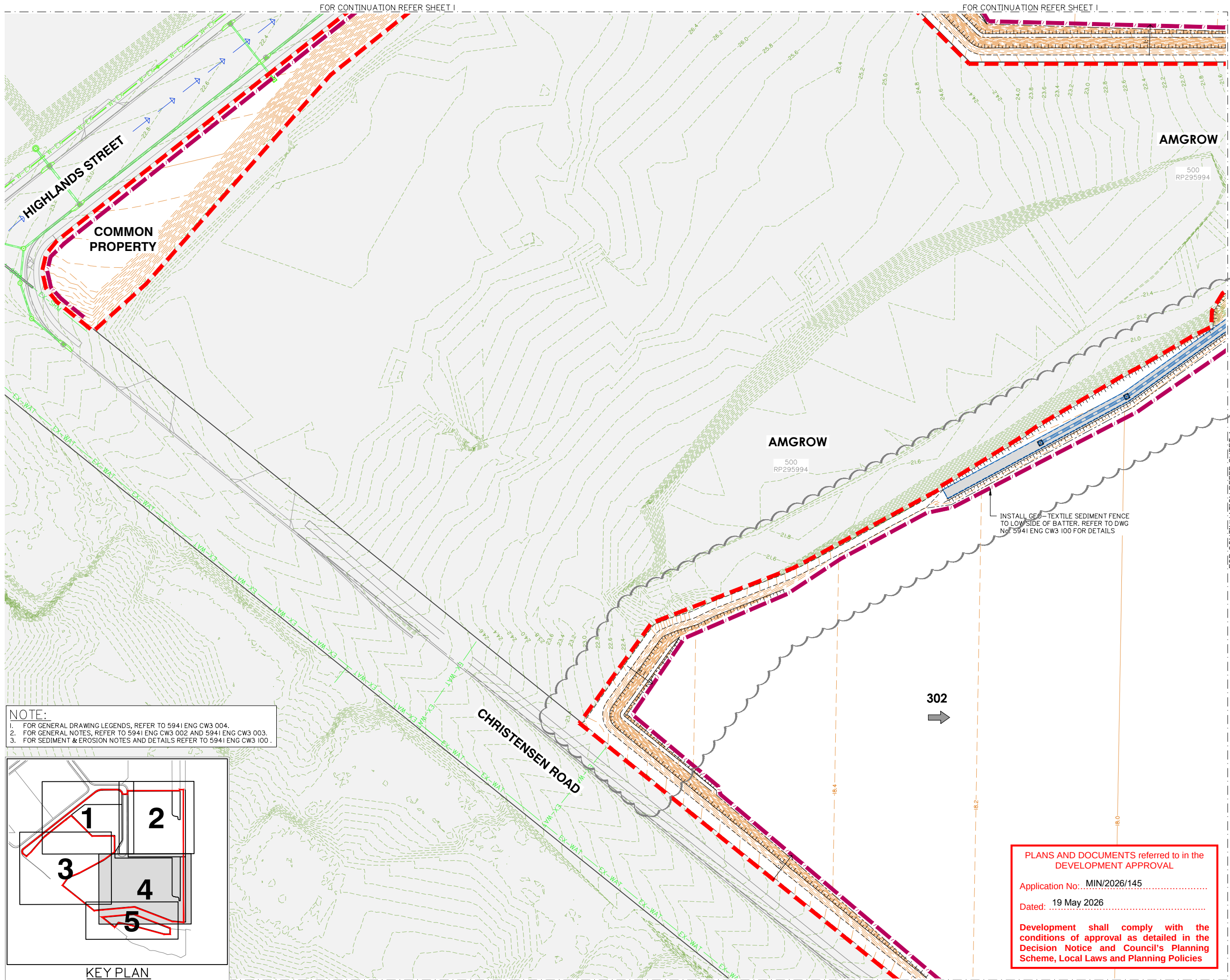
Approved: MG

RPEQ: 16939

Signed: 

Date: 28/09/2023

Drawing No.: 5941 ENG CW3 111 Revision: H



Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian:
PSM:
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GENERAL NOTES.

Drawing Title:

SEDIMENT AND EROSION
CONTROL PLAN
SHEET 3 OF 5

Rev	Date	Description	DRN	CHK
C	11/12/24	LAYOUT UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	21/12/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED
Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No:	5941
Designed:	JH
Drafted:	ML
Approved:	MG
RPEQ:	16939
Signed:	
Date:	28/09/2023
Drawing No:	5941 ENG CW3 112
Revision:	C



Project:

Site Address:

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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Drawing Title:

SEDIMENT AND EROSION
CONTROL PLAN
SHEET 4 OF 5

E	11/04/25	LAYOUT UPDATED	JH	MC
D	11/12/24	SWD & BASIN 2 UPDATED	JH	MC
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MC
C	08/02/24	FOOTPATH AMENDED	JH	MC
B	21/12/23	LAYOUT UPDATED	ML	MC
A	25/05/23	ORIGINAL ISSUE	JH	MC
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

Scale:



0 10 20 30 40m

1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No. 594

Designed: JH

Drafted: ML

Approved

MG

RPEQ

16939

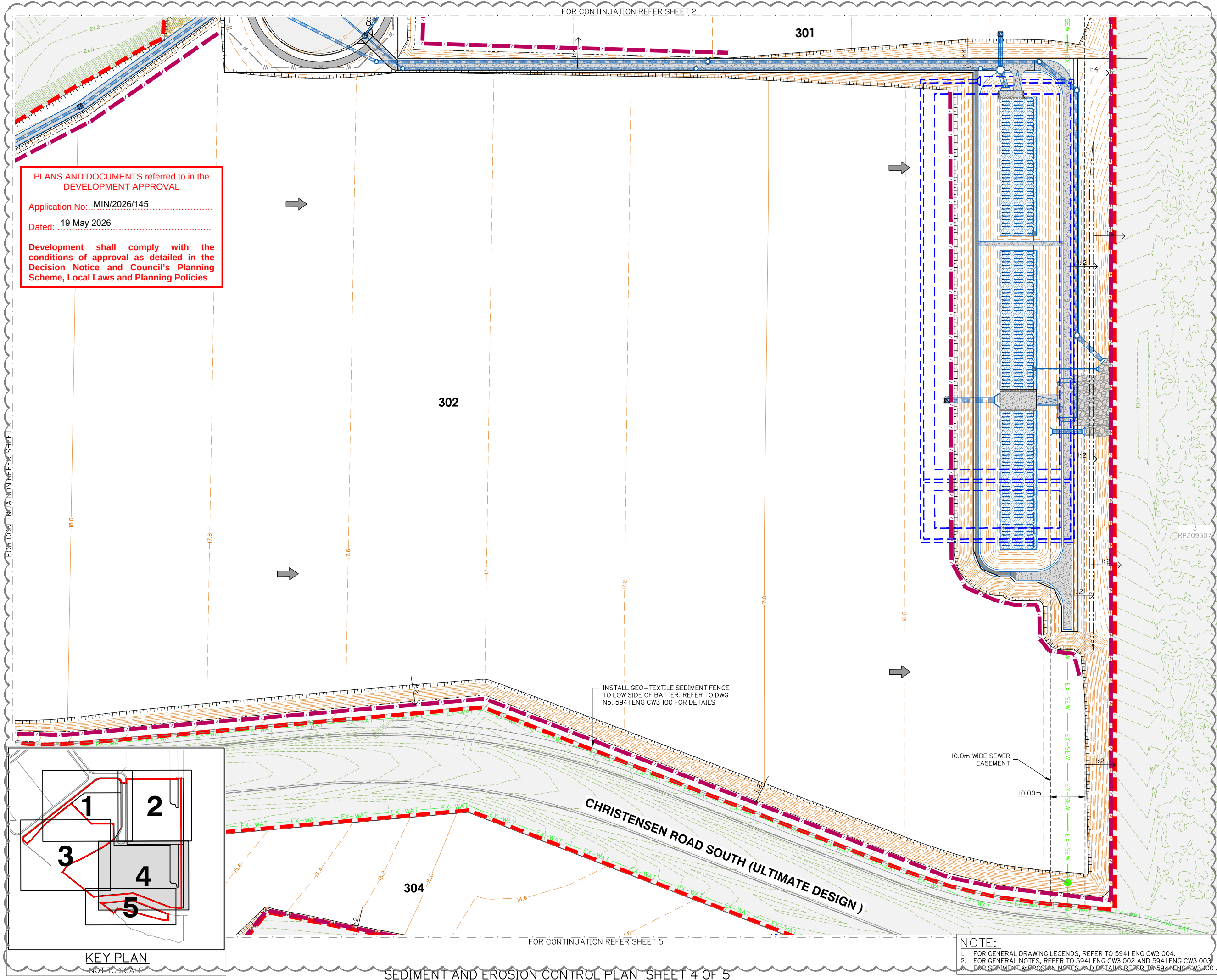
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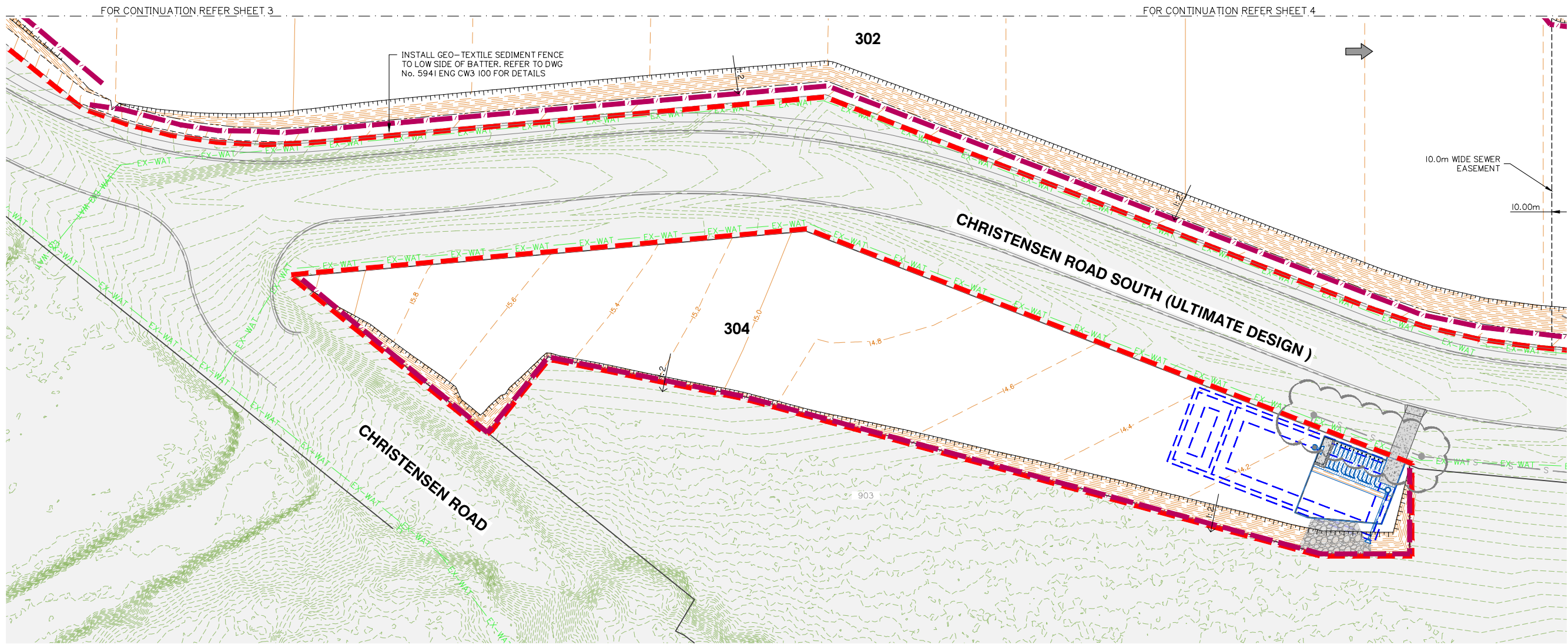
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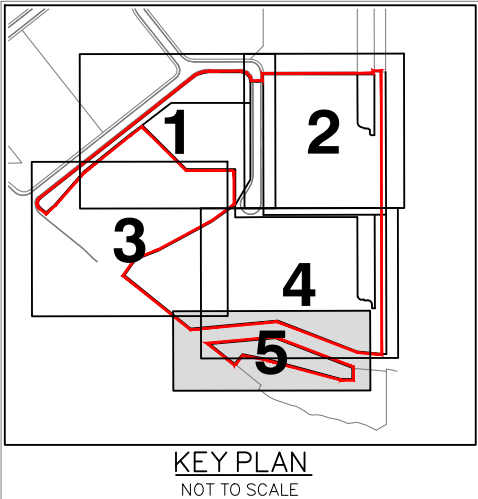
28/09/2023

Drawing No:
5941 ENG CW3 113

Revision
E



NOTE:
1. FOR GENERAL DRAWING LEGENDS, REFER TO 5941 ENG CW3 004.
2. FOR GENERAL NOTES, REFER TO 5941 ENG CW3 002 AND 5941 ENG CW3 003.
3. FOR SEDIMENT & EROSION NOTES AND DETAILS REFER TO 5941 ENG CW3 100.



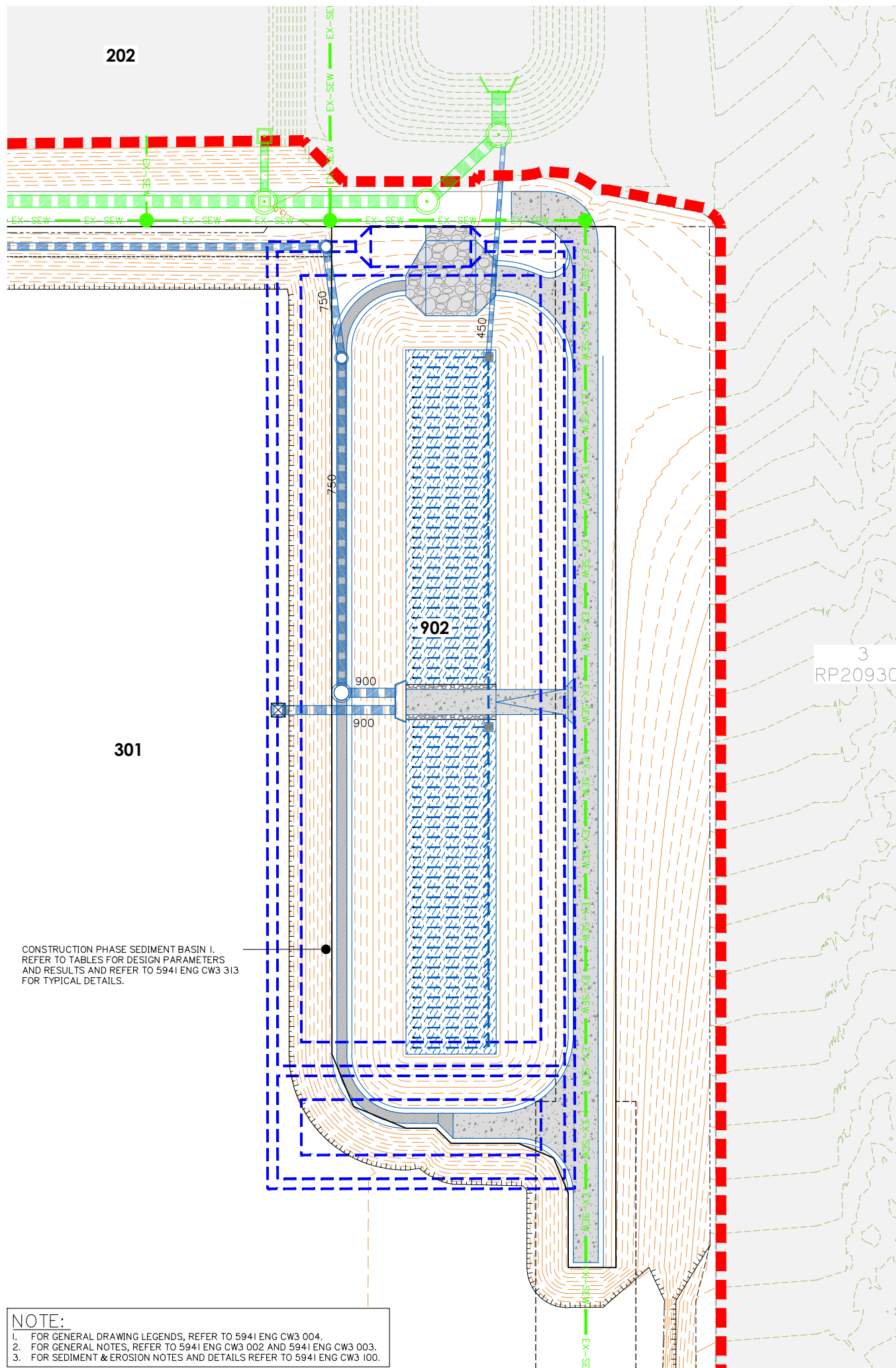
Rev	Date	Description	DRN	CHK
C	21/03/25	SEWER LINE UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	21/12/23	LAYOUT UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE:
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT	
Project No: 5941	
Designed: JH	Drafted: ML
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No: 5941 ENG CW3 114	Revision: C

**PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL**
Application No: MIN/2026/145
Dated: 19 May 2026
Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



SEDIMENT BASIN I DESIGN												
BASIN ID	SELECT DURATION OF CATCHMENT DISTURBANCE	IS DEWATERING OF TRENCHES REQUIRED?	EQUIPMENT LEASE OR PURCHASE?	SELECT CATCHMENT SCALE	DO ALL FLOWS ENTER BASIN AT SINGLE POINT?	BASIN TYPE	DOSING EQUIPMENT					
No. I	> 12 MONTHS	NO	LEASE	> 5Ha	NO	TYPE B	IFOD–RAIN					

BASIN ID	CATCHMENT AREA	DESIGN EVENT	$I_{x \text{ yr, 24 hr}}$	WATER TEMPERATURE	K_s	SETTLING ZONE DEPTH (D_s)	W:L	OPTIMUM LOW–FLOW DECANAT RATE	SELECTED LOW–FLOW DECANAT RATE (Q_d)	MIN SETTLING ZONE VOLUME (Min V_s)	MIN SETTLING ZONE SURFACE AREA (Min A_s)	LIMITING CRITERIA
	(Ha)	(I: X YEARS)	(mm/hr)	(°C)	(s/m)	(m)	(I: X)	(L/s/Ha)	(L/s/Ha)	(m³)	(m²)	
No. I	5.26	I	64.2	20	–	0.8	3	–	–	1081.0	–	VOLUME

SPILLWAY											
BASIN ID	BASIN DESIGN LIFE	DESIGN ARI	C_{10}	C	t_c	I	Q	HEAD OVER SPILLWAY	SPILLWAY CREST LENGTH	SPILLWAY CREST RL	MIN EMBANKMENT RL
		yr				(mm/hr)	(m³/s)				
No. I	> 12 MONTHS	I: 20	0.80	0.84	20.00	34.40	0.46	0.50	0.80	13.50	14.45

BASIN ID	SETTLING ZONE (incl. sediment storage)				FOREBAY				HYDRAULIC CONTROLS			
	VOLUME (m³)	LENGTH (m)	WIDTH (m)	DEPTH (m)	VOLUME (m³)	LENGTH (m)	WIDTH (m)	DEPTH (m)	SPILLWAY CREST LENGTH (m)	SPILLWAY CREST (RL)	EMBANKMENT (RL)	LEVEL SPREADER CREST (RL)
No. I	1404.8	78.9	26.3	0.8	163.9	10.8	26.3	0.8	1.7	13.50	14.45	13.70

NOTE:

1. FOR GENERAL DRAWING LEGENDS, REFER TO 5941 ENG CW3 004.
2. FOR GENERAL NOTES, REFER TO 5941 ENG CW3 002 AND 5941 ENG CW3 003.
3. FOR SEDIMENT & EROSION NOTES AND DETAILS REFER TO 5941 ENG CW3 100.

CONSTRUCTION PHASE SEDIMENT BASIN I LAYOUT



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PROPERTY

FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

Lot:	504
Plan:	SP329485
Local Authority:	CITY OF GOLD COAST
Level Datum:	AHD
Meridian:	
PSM:	
RL:	

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CONSTRUCTION PHASE SEDIMENT BASIN 1 LAYOUT

A	19/02/24	ISSUED FOR CONSTRUCTION	ML	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG	
Rev	Date	Description	DRN	CHK	

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

Scale:



0 2.5 5.0 7.5 10 12.5m 1:250 (A1) 1:500 (A3)

5941 ENG C

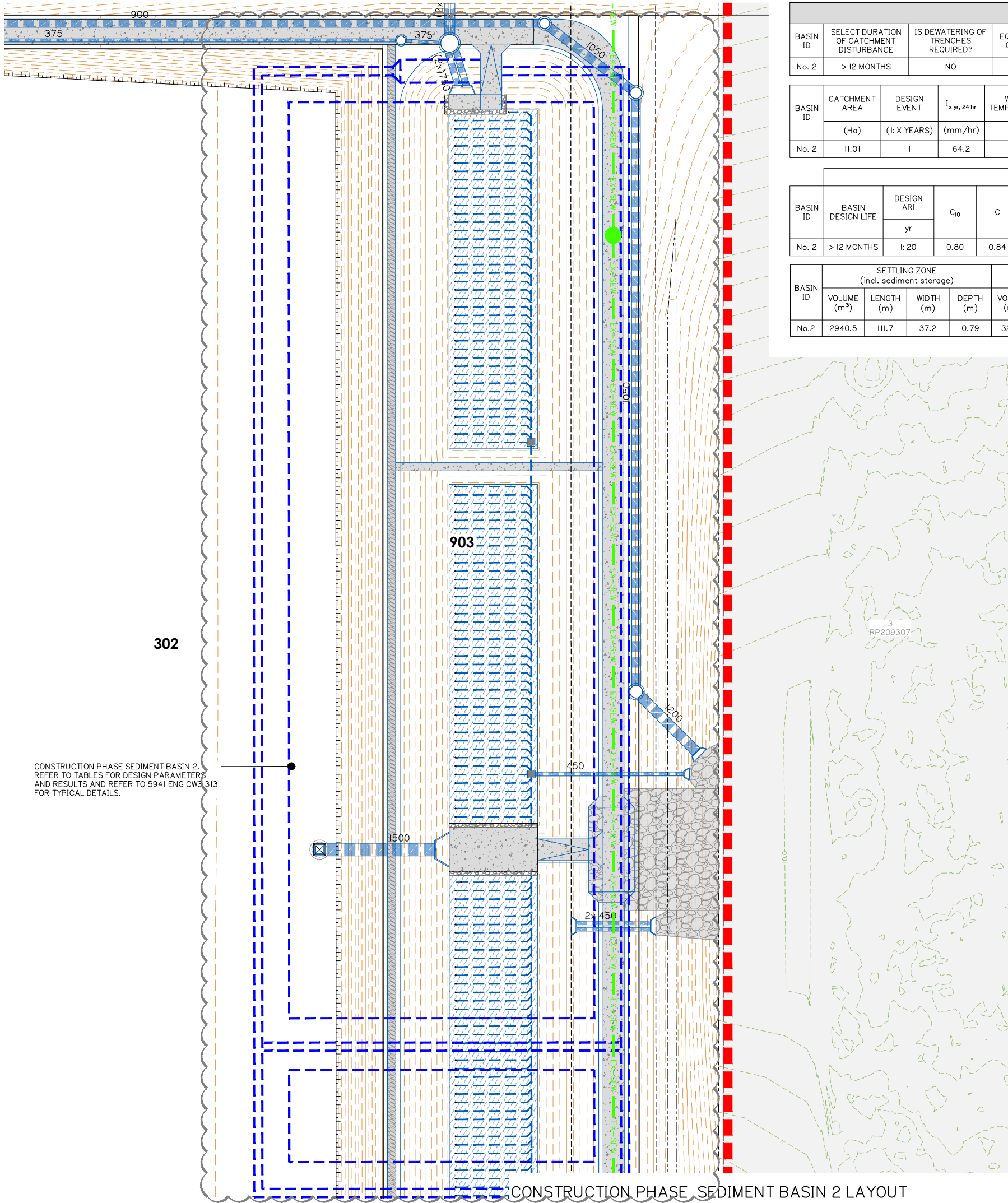
310

**PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL**

Application No: MIN/2026/145

Dated: 19 May 2026

**Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies**



CONSTRUCTION PHASE SEDIMENT BASIN 2.
REFER TO TABLES FOR DESIGN PARAMETERS
AND RESULTS AND REFER TO 5941 ENG CW3 313
FOR TYPICAL DETAILS.

SEDIMENT BASIN 2 DESIGN							
BASIN ID	SELECT DURATION OF CATCHMENT DISTURBANCE	IS DEWATERING OF TRENCHES REQUIRED?	EQUIPMENT LEASE OR PURCHASE?	SELECT CATCHMENT SCALE	DO ALL FLOWS ENTER BASIN AT SINGLE POINT?	BASIN TYPE	DOSING EQUIPMENT
No. 2	> 12 MONTHS	NO	LEASE	> 5Ha	NO	TYPE B	IFOD-RAIN

BASIN ID	CATCHMENT AREA (Ha)	DESIGN EVENT (1:X YEARS)	I _x yr, 24 hr (mm/hr)	WATER TEMPERATURE (°C)	K _s (s/m)	SETTLING ZONE DEPTH (D _s) (m)	W:L (1:X)	OPTIMUM LOW-FLOW DECANT RATE (L/s/Ha)	SELECTED LOW-FLOW DECANT RATE (Q _d) (L/s/Ha)	MIN SETTLING ZONE VOLUME (Min V _s) (m³)	MIN SETTLING ZONE SURFACE AREA (Min A _s) (m²)	LIMITING CRITERIA
No. 2	11.01	1	64.2	20	—	0.8	3	—	—	2904.5	—	VOLUME

SPILLWAY											
BASIN ID	BASIN DESIGN LIFE	DESIGN ARI	C ₁₀	C	t _c	I	Q	HEAD OVER SPILLWAY (m)	SPILLWAY CREST LENGTH (m)	SPILLWAY CREST RL (m)	MIN EMBANKMENT RL (m)
		yr				(mm/hr)	(m³/s)				
No. 2	> 12 MONTHS	1:20	0.80	0.84	20.00	34.40	0.46	0.50	0.80	13.65	13.95

BASIN ID	SETTLING ZONE (incl. sediment storage)				FOREBAY				HYDRAULIC CONTROLS			
	VOLUME (m³)	LENGTH (m)	WIDTH (m)	DEPTH (m)	VOLUME (m³)	LENGTH (m)	WIDTH (m)	DEPTH (m)	SPILLWAY CREST LENGTH (m)	SPILLWAY CREST (RL)	EMBANKMENT (RL)	LEVEL SPREADER CREST (RL)
No.2	2940.5	111.7	37.2	0.79	327.4	11.2	37.2	0.79	3.5	13.65	13.95	13.45



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Gold Coast | 76 Business Street, Yatala QLD | PO Box 392, Beenleigh 4207

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian: PSM
RL:

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CONSTRUCTION

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Drawing Title:

CONSTRUCTION PHASE
SEDIMENT BASIN 2
LAYOUT

Rev	Date	Description	DRN	CHK
C	11/12/24	SWD & BASIN 2 UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	06/11/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. A1 UNREDUCED A3 REDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 2.5 5.0 7.5 10 12.5m
1:250 (A1) 1:500 (A3)

PROJECT NORTH POINT



Project No:	5941
Designed:	JH
Drafted:	JH
Approved:	MG
RPEQ:	16939
Signed:	
Date:	28/09/2023
Drawing No:	5941 ENG CW3 311
Revision:	C

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

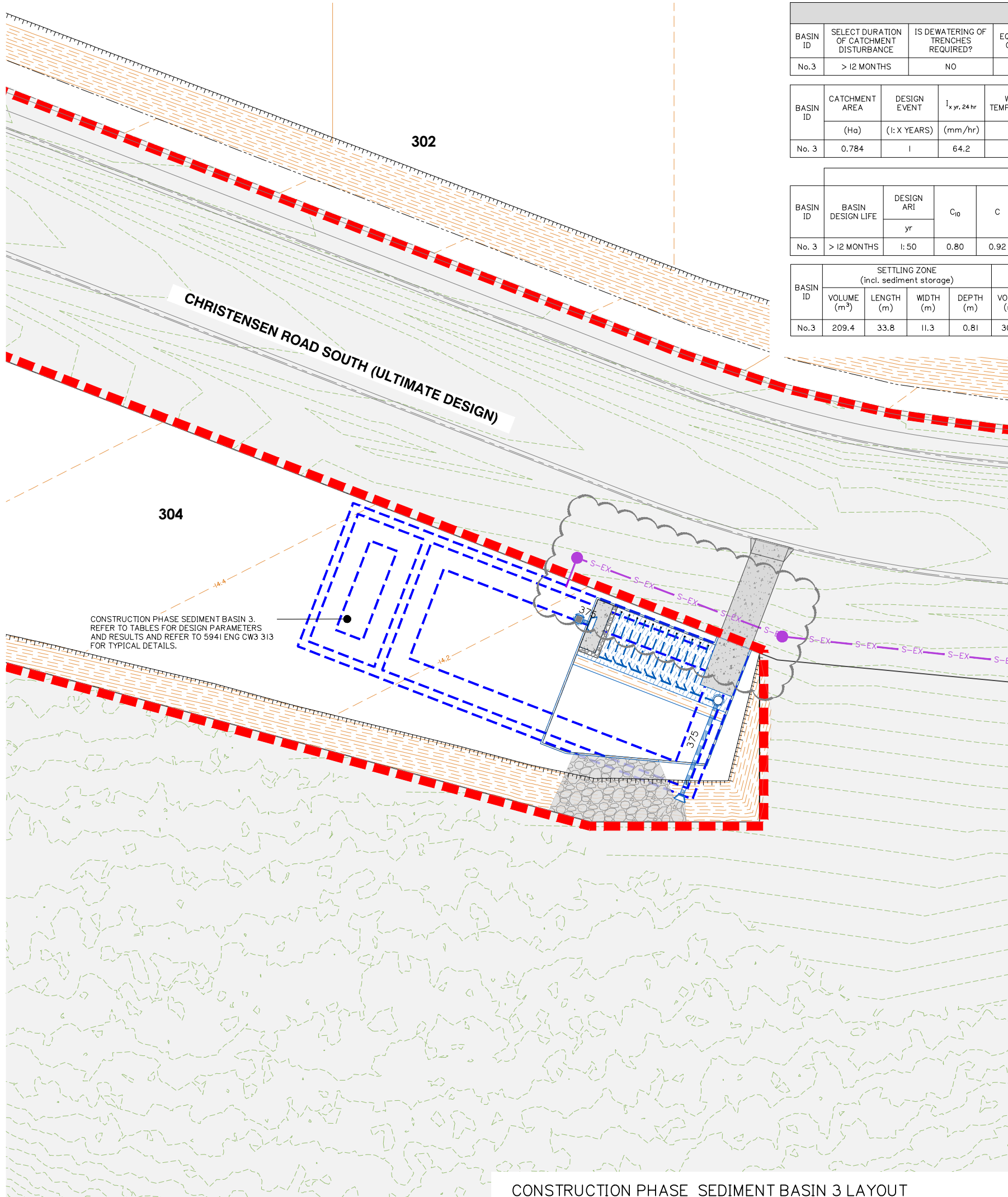
Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

NOTE:
1. FOR GENERAL DRAWING LEGENDS, REFER TO 5941 ENG CW3 004.
2. FOR GENERAL NOTES, REFER TO 5941 ENG CW3 002 AND 5941 ENG CW3 003.
3. FOR SEDIMENT & EROSION NOTES AND DETAILS REFER TO 5941 ENG CW3 100.

g:\Projects\5941\Engineering\Acadocivil works stage 3\Current\5941 ENG CW3 310.dwg



SEDIMENT BASIN 3 DESIGN							
BASIN ID	SELECT DURATION OF CATCHMENT DISTURBANCE	IS DEWATERING OF TRENCHES REQUIRED?	EQUIPMENT LEASE OR PURCHASE?	SELECT CATCHMENT SCALE	DO ALL FLOWS ENTER BASIN AT SINGLE POINT?	BASIN TYPE	DOSING EQUIPMENT
No.3	> 12 MONTHS	NO	LEASE	< 5Ha	NO	TYPE B	FLOC-BOX

BASIN ID	CATCHMENT AREA (Ha)	DESIGN EVENT (1:X YEARS)	I _x yr, 24 hr (mm/hr)	WATER TEMPERATURE (°C)	K _s (s/m)	SETTLING ZONE DEPTH (D _s) (m)	W:L (1:X)	OPTIMUM LOW-FLOW DECANT RATE (L/s/Ha)	SELECTED LOW-FLOW DECANT RATE (Q _d) (L/s/Ha)	MIN SETTLING ZONE VOLUME (Min V _s) (m³)	MIN SETTLING ZONE SURFACE AREA (Min A _s) (m²)	LIMITING CRITERIA
No. 3	0.784	1	64.2	20	—	0.6	3	—	—	161	—	VOLUME

SPILLWAY											
BASIN ID	BASIN DESIGN LIFE	DESIGN ARI	C ₁₀	C	t _c	I	Q	HEAD OVER SPILLWAY (m)	SPILLWAY CREST LENGTH (m)	SPILLWAY CREST RL (m)	MIN EMBANKMENT RL (m)
		yr				(mm/hr)	(m³/s)				
No. 3	> 12 MONTHS	1:50	0.80	0.92	20.00	34.40	0.07	0.30	3.00	13.90	14.20

BASIN ID	SETTLING ZONE (incl. sediment storage)				FOREBAY				HYDRAULIC CONTROLS			
	VOLUME (m³)	LENGTH (m)	WIDTH (m)	DEPTH (m)	VOLUME (m³)	LENGTH (m)	WIDTH (m)	DEPTH (m)	SPILLWAY CREST LENGTH (m)	SPILLWAY CREST (RL)	EMBANKMENT (RL)	LEVEL SPREADER CREST (RL)
No.3	209.4	33.8	11.3	0.81	30.77	3.4	11.3	0.81	3.0	13.90	14.2	13.92

Client:



Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

ISSUED FOR CONSTRUCTION

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Drawing Title:

CONSTRUCTION PHASE
SEDIMENT BASIN 3
LAYOUT

Rev	Date	Description	DRN	CHK
C	21/03/25	SEWER LINE UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	06/11/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. A1 UNREDUCED A3 REDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 2.5 5.0 7.5 10 12.5m 1:250 (A1) 1:500 (A3)

PROJECT NORTH POINT



Project No:	5941
Designed:	JH
Drafted:	JH
Approved:	MG
RPEQ:	16939
Signed:	
Date:	28/09/2023
Drawing No:	5941 ENG CW3 312
Revision	C

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

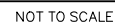
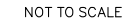
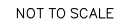
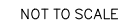
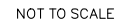
Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

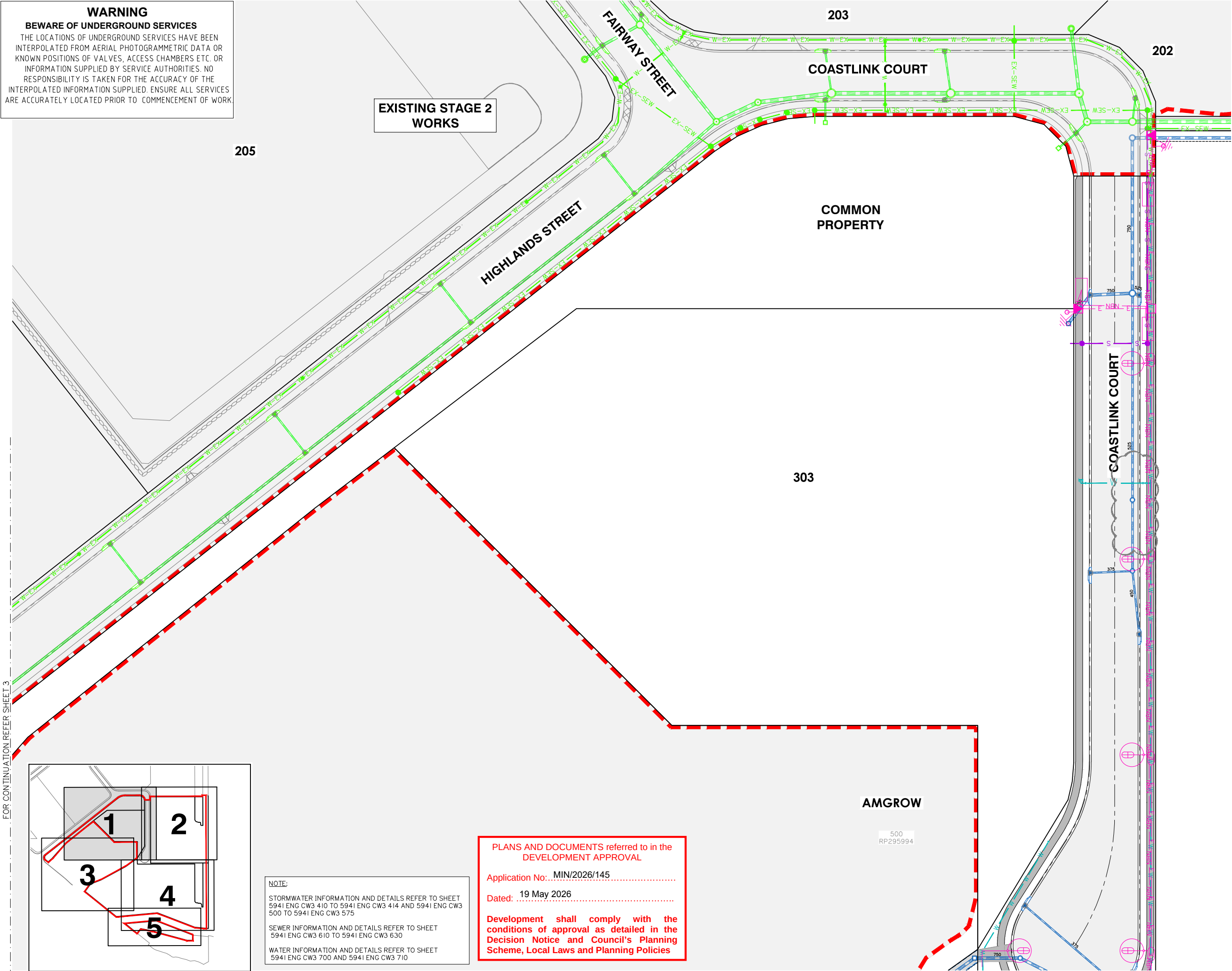
NOTE:

- FOR GENERAL DRAWING LEGENDS, REFER TO 5941 ENG CW3 004.
- FOR GENERAL NOTES, REFER TO 5941 ENG CW3 002 AND 5941 ENG CW3 003.
- FOR SEDIMENT & EROSION NOTES AND DETAILS REFER TO 5941 ENG CW3 100.

CONSTRUCTION PHASE SEDIMENT BASIN 3 LAYOUT



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.



Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian: PSM:
RL:

ISSUED FOR
CONSTRUCTION

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Drawing Title:

OVERALL SERVICES
LAYOUT PLAN
SHEET 1 OF 5

Rev	Date	Description	DRN	CHK
F	11/04/25	SWD MANHOLE ADDED	JH	MG
E	26/03/25	STORMWATER LINE UPDATED	JH	MG
D	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
C	11/12/24	SWD & BASIN 2 UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/02/24	FOOTPATH AMENDED	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No.: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

Date:

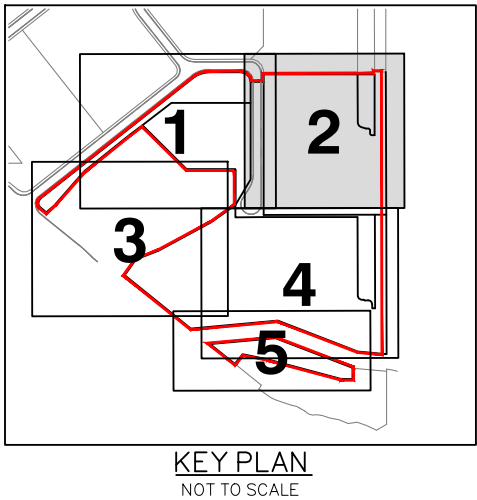
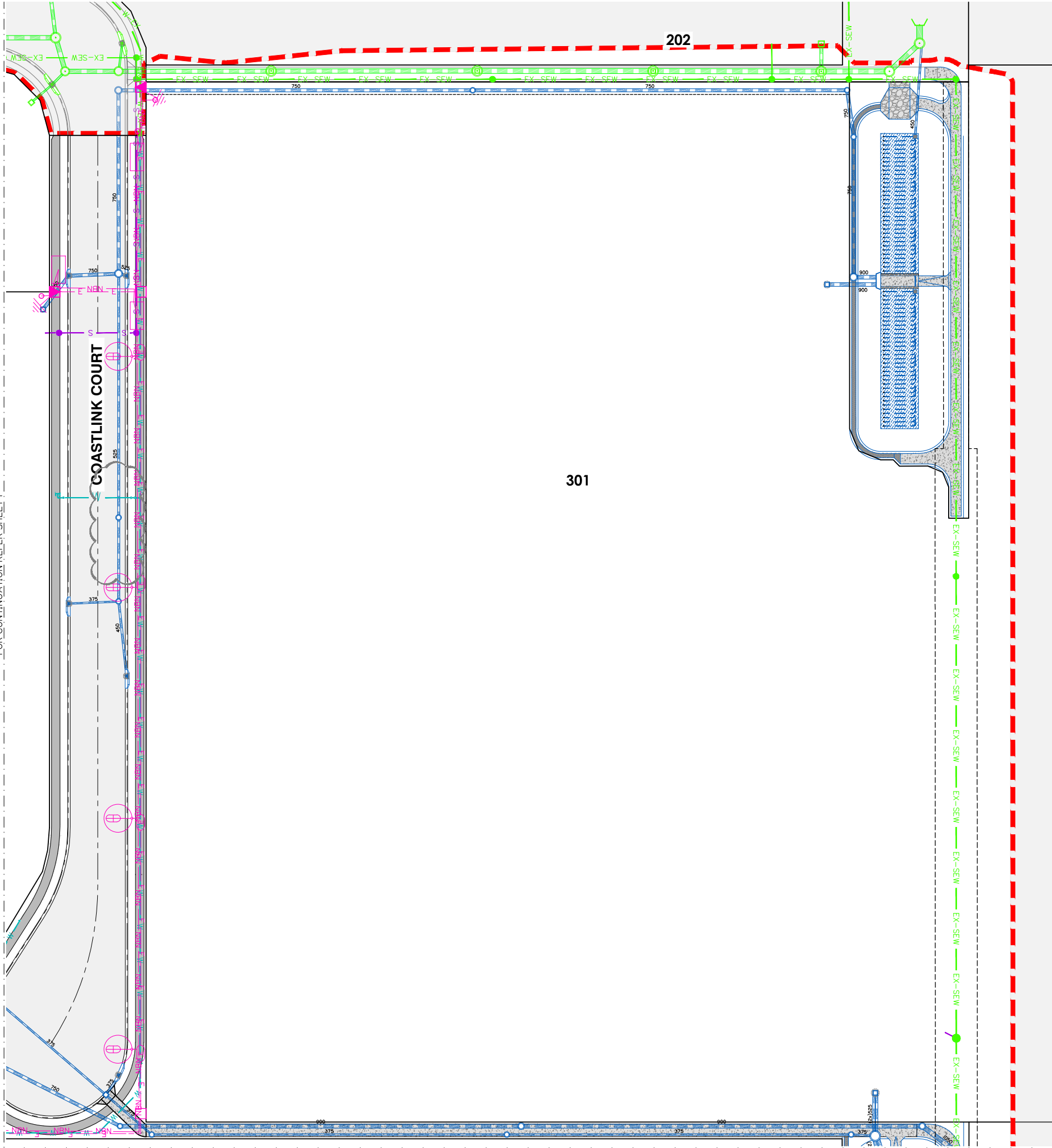
28/09/2023

Drawing No:

5941 ENG CW3 380

Revision

F



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NOTE:
STORMWATER INFORMATION AND DETAILS REFER TO SHEET 5941 ENG CW3 410 TO 5941 ENG CW3 414 AND 5941 ENG CW3 500 TO 5941 ENG CW3 575
SEWER INFORMATION AND DETAILS REFER TO SHEET 5941 ENG CW3 610 TO 5941 ENG CW3 630
WATER INFORMATION AND DETAILS REFER TO SHEET 5941 ENG CW3 700 AND 5941 ENG CW3 710

3
RP209307

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian: PSM:
RL:

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Drawing Title:

OVERALL SERVICES
LAYOUT PLAN
SHEET 2 OF 5

Rev	Date	Description	DRN	CHK
G	11/04/25	SWD MANHOLE ADDED	JH	MG
F	26/03/25	STORMWATER LINE UPDATED	JH	MG
E	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
D	11/11/24	SWD & BASIN 2 UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

[Signature]

Date:

28/09/2023

Drawing No:

5941 ENG CW3 381

Revision

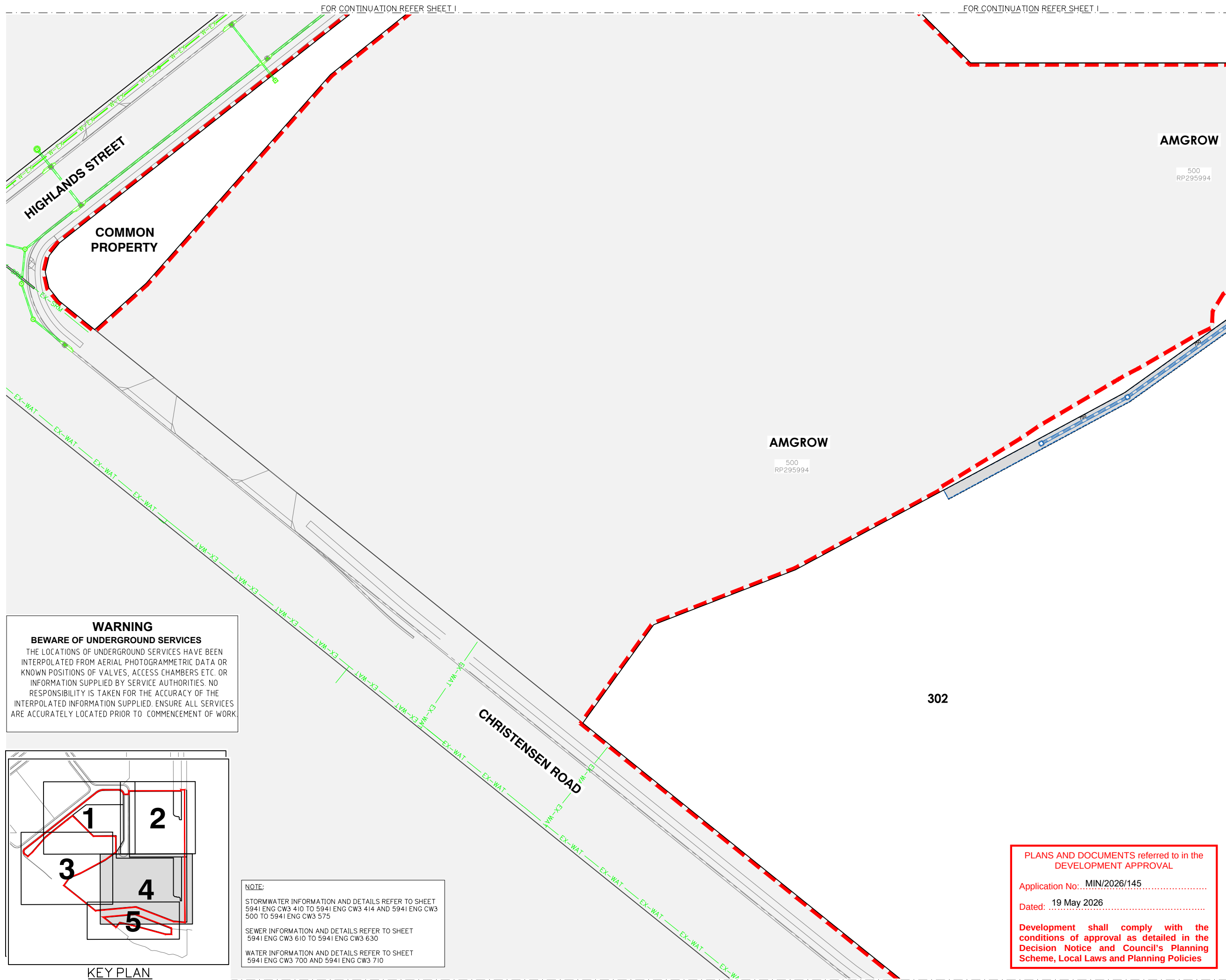
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PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

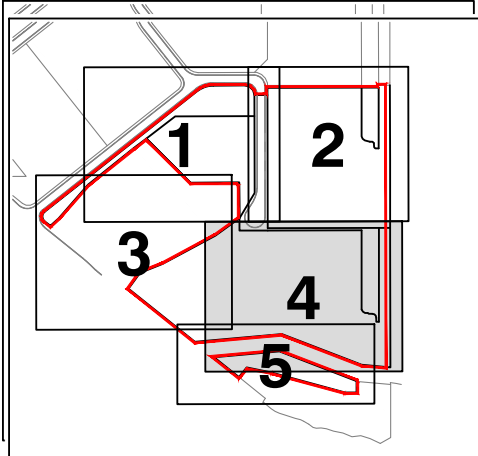
Application No.: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



WARNING
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KEY PLAN
NOT TO SCALE

NOTE:
STORMWATER INFORMATION AND DETAILS REFER TO SHEET 5941 ENG CW3 410 TO 5941 ENG CW3 414 AND 5941 ENG CW3 500 TO 5941 ENG CW3 575
SEWER INFORMATION AND DETAILS REFER TO SHEET 5941 ENG CW3 610 TO 5941 ENG CW3 630
WATER INFORMATION AND DETAILS REFER TO SHEET 5941 ENG CW3 700 AND 5941 ENG CW3 710

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL
Application No.: MIN/2026/145
Dated: 19 May 2026
Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Client:
FRASERS
PROPERTY
FPI QUEENSLAND
PTY. LTD.

Project:
**VANTAGE YATALA
STAGE 3**

Site Address:
**LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207**

RPD:
Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian:
PSM:
RL:

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Drawing Title:
**OVERALL SERVICES
LAYOUT PLAN
SHEET 3 OF 5**

A	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. A1 UNREDUCED A3 REDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT

Project No.: 5941
Designed: JH
Drafted: JH
Approved: MG
RPEQ: 16939
Signed:
Date: 28/09/2023
Drawing No.: 5941 ENG CW3 382
Revision: A

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian: PSM
RL:

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Drawing Title:

OVERALL SERVICES
LAYOUT PLAN
SHEET 4 OF 5

Rev	Date	Description	DRN	CHK
D	11/12/24	SWD & BASIN 2 UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE: A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES A3 REDUCED

Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

Date:

28/09/2023

Drawing No:

Revision

5941 ENG CW3 383

D

302

3
RP209307

WARNING
BEWARE OF UNDERGROUND SERVICES
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INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR
KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR
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RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE
INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES
ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

NOTE:
STORMWATER INFORMATION AND DETAILS REFER TO SHEET
5941 ENG CW3 410 TO 5941 ENG CW3 414 AND 5941 ENG CW3
500 TO 5941 ENG CW3 575

SEWER INFORMATION AND DETAILS REFER TO SHEET
5941 ENG CW3 610 TO 5941 ENG CW3 630

WATER INFORMATION AND DETAILS REFER TO SHEET
5941 ENG CW3 700 AND 5941 ENG CW3 710

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

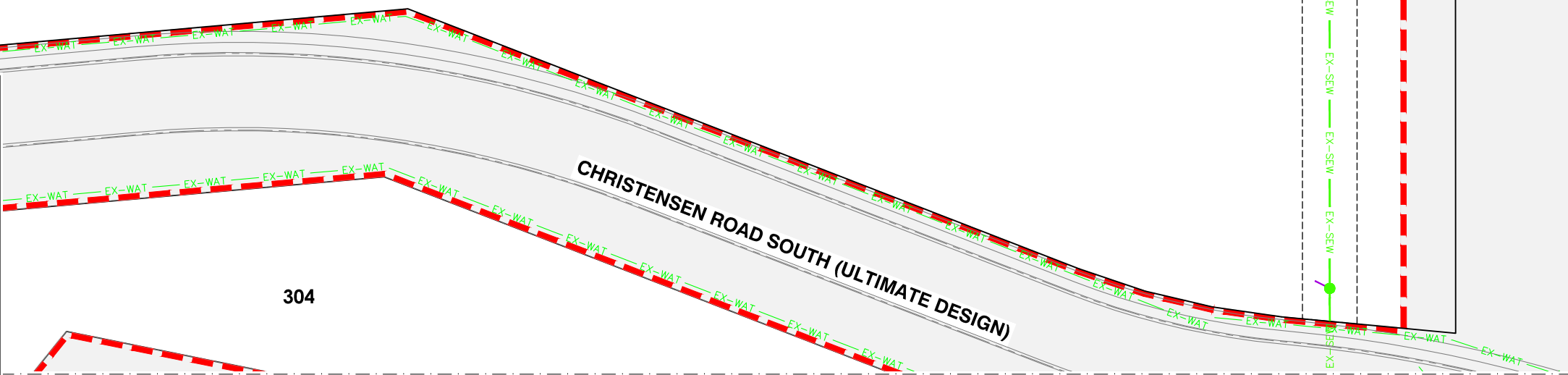
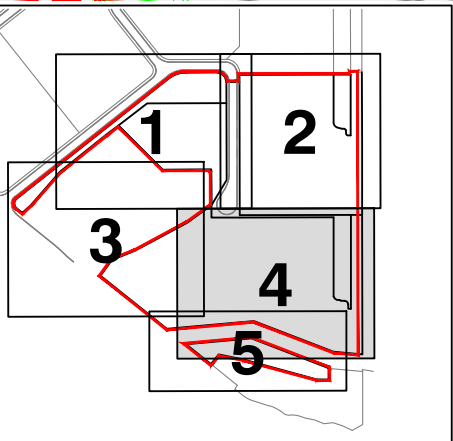
Application No: MIN/2026/145

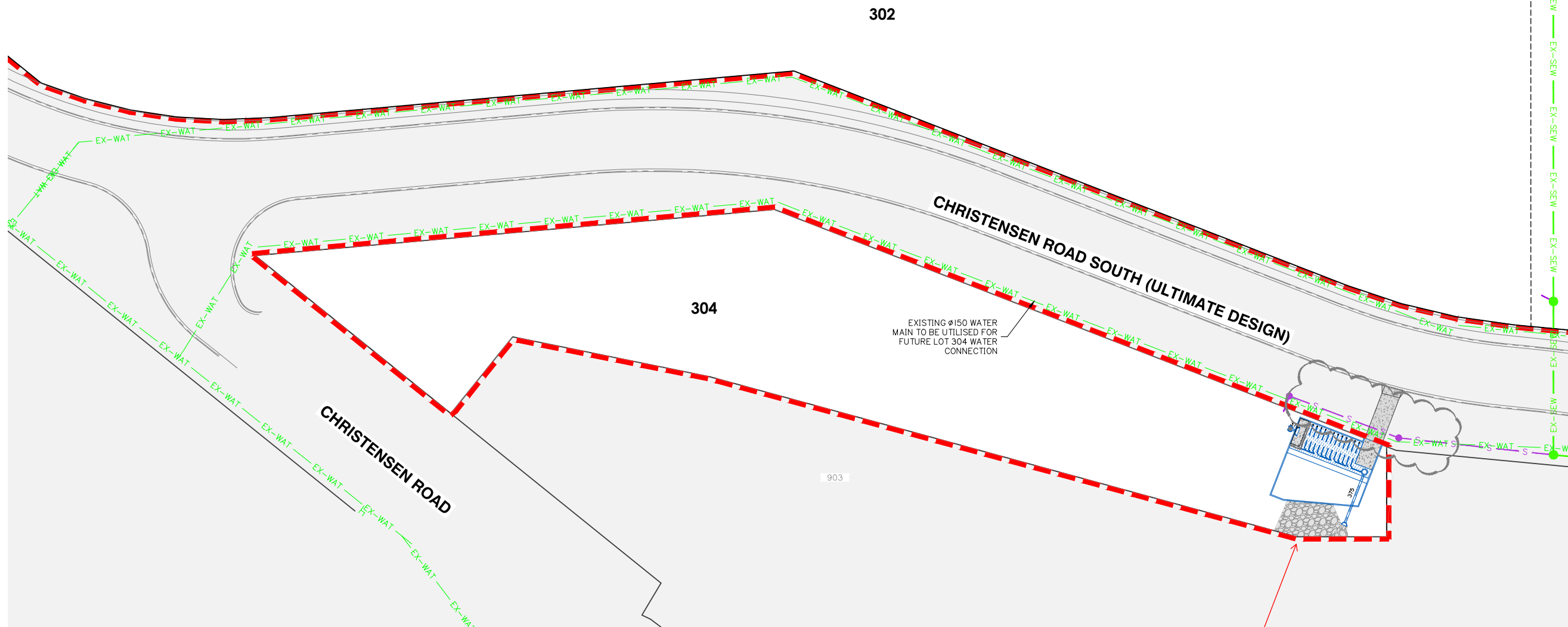
Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

304

KEY PLAN
NOT TO SCALE



**WARNING****BEWARE OF UNDERGROUND SERVICES**

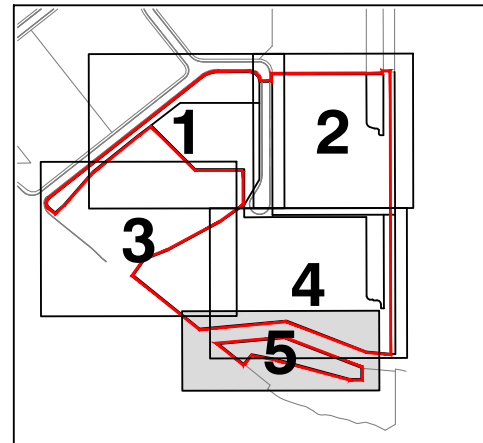
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

NOTE:

STORMWATER INFORMATION AND DETAILS REFER TO SHEET 5941 ENG CW3 410 TO 5941 ENG CW3 414 AND 5941 ENG CW3 500 TO 5941 ENG CW3 575

SEWER INFORMATION AND DETAILS REFER TO SHEET 5941 ENG CW3 610 TO 5941 ENG CW3 630

WATER INFORMATION AND DETAILS REFER TO SHEET 5941 ENG CW3 700 AND 5941 ENG CW3 710



KEY PLAN
NOT TO SCALE

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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GENERAL NOTES.

Drawing Title:

OVERALL SERVICES
LAYOUT PLAN
SHEET 5 OF 5

Rev	Date	Description	DRN	CHK
C	21/03/25	SEWER LINE UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	06/11/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

Scale:

0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

Date:

28/09/2023

Drawing No:

5941 ENG CW3 384

Revision

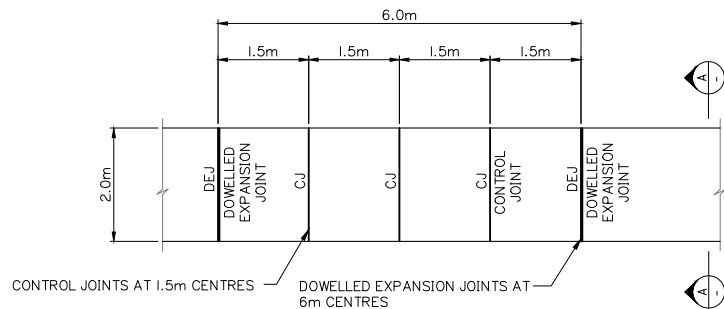
C

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

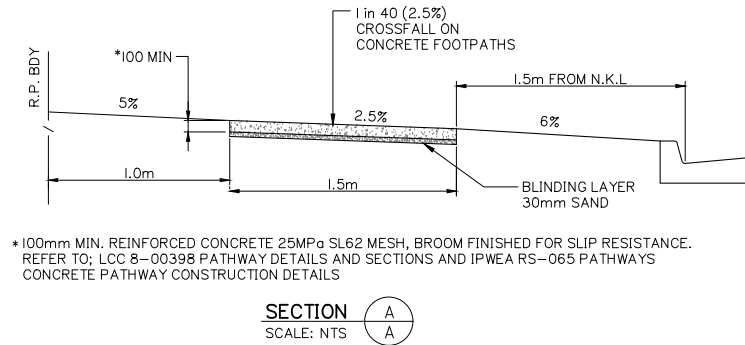
Application No: MIN/2026/145

Dated: 19 May 2026

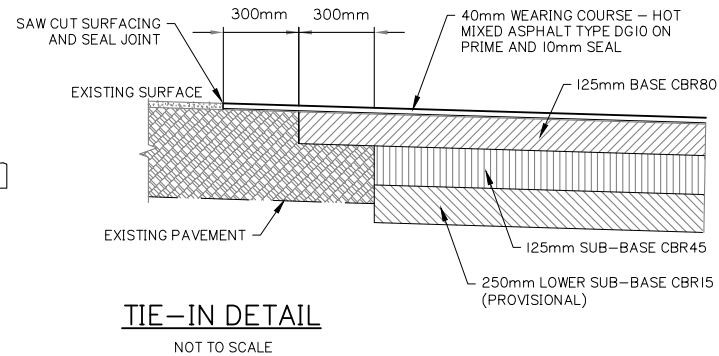
Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



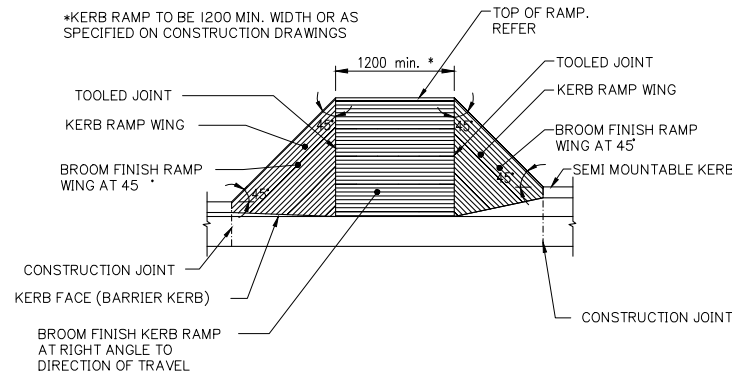
JOINT PLAN
SCALE: N.T.S



1.5m CONCRETE FOOTPATH DETAIL

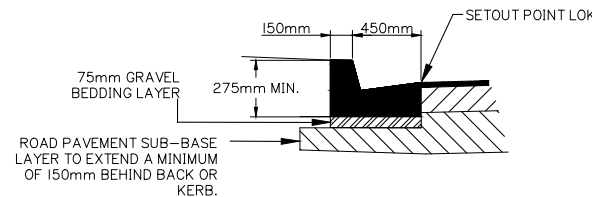


TIE-IN DETAIL
NOT TO SCALE

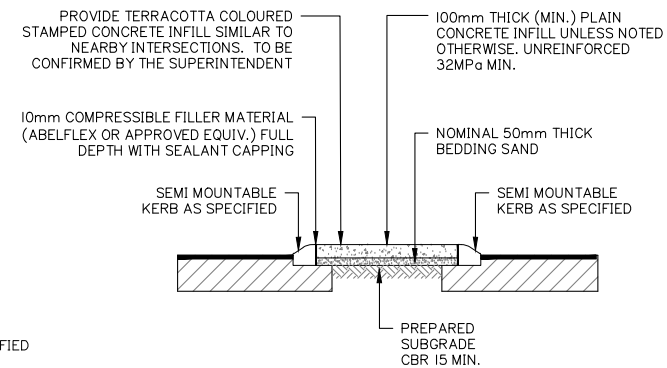


TYPICAL COMPLIANT KERB RAMP DETAIL
NOT TO SCALE

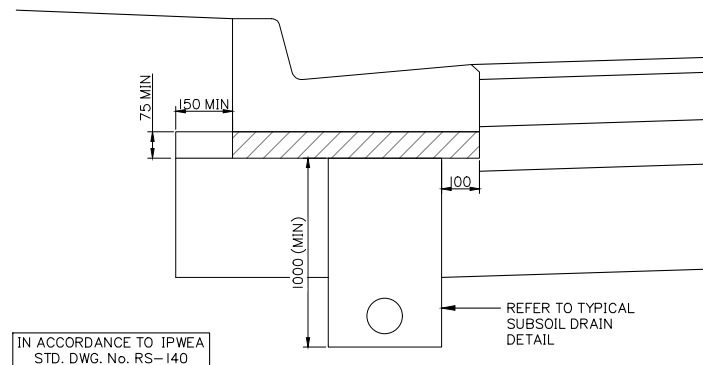
NOTE: KERB RAMPS ARE DESIGNED IN ACCORDANCE TO IPWEAQ STANDARD DWGS No. RS-090 & RS-091



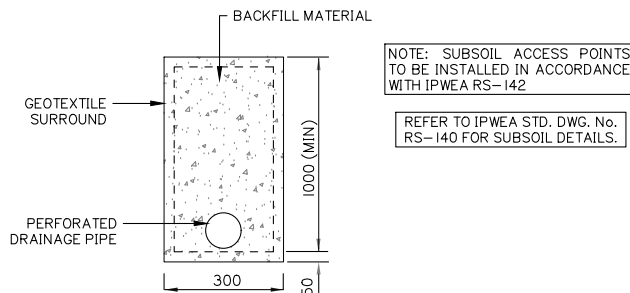
BARRIER KERB AND CHANNEL (TYPE B1 IPWEAQ)



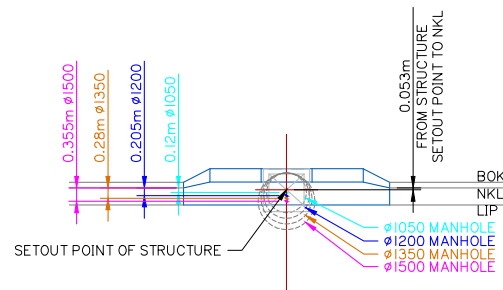
MEDIAN ISLAND INFILL
N.T.S
AS PER STANDARD DRAWING IPWEA STD DWG No. RS-065.



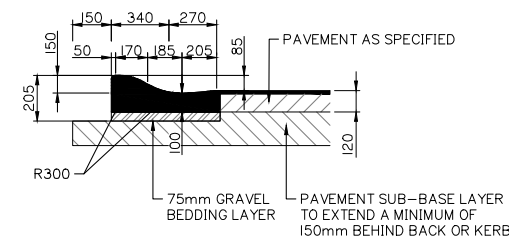
TYPICAL SUBSOIL DRAIN
SCALE: N.T.S



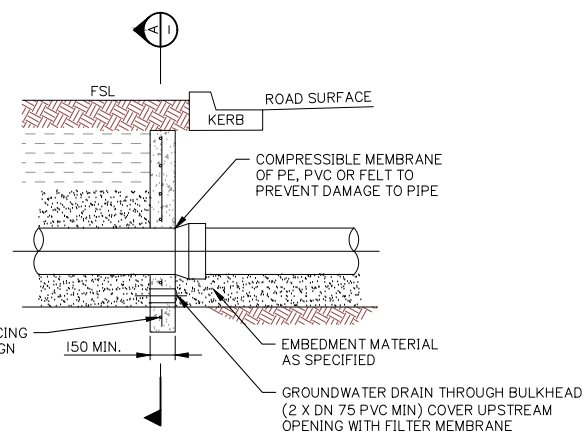
TYPICAL SUBSOIL DRAIN
SCALE: N.T.S



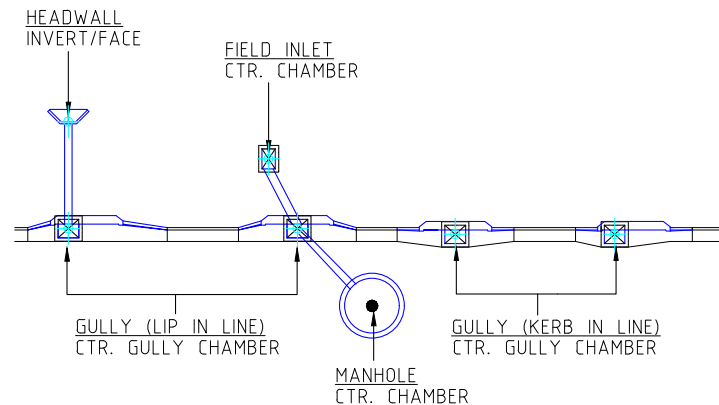
SETOUT DETAIL FOR DRAINWAY STRUCTURES
N.T.S.



MOUNTABLE KERB (TYPE M3 IPWEAQ)

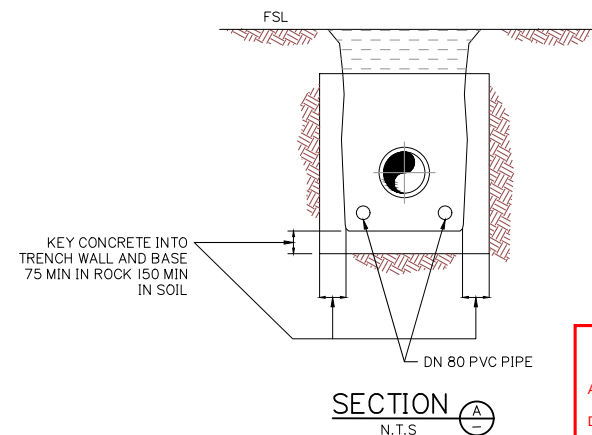


TYPICAL ROAD CROSSING BULKHEAD
N.T.S



NOTE: 1. ALL SETOUT POINT LOCATIONS ARE AT CENTRE OF GULLY OR MANHOLE CHAMBER

DETAIL - SETOUT POINTS FOR IPWEA GULLIES, MANHOLES, FIELD INLETS AND HEADWALLS
N.T.S.



SECTION
N.T.S

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL
Application No.: MIN/2026/145
Dated: 19 May 2026
Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Client:



Project:

**VANTAGE YATALA
STAGE 3**

Site Address:

**LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207**

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian: PSM:
RL:

**ISSUED FOR
CONSTRUCTION**

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Drawing Title:

**ROADWORKS AND
DRAINAGE TYPICAL
DETAILS SHEET 1 OF 3**

Rev	Date	Description	DRN	CHK
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/02/24	DETAIL AMENDED	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

Scale:

NOT TO SCALE

PROJECT NORTH POINT



Project No.: 5941	Revision
Designed: JH	Drafted: JH
Approved: MG	
RPEQ	16939
Signed:	
Date: 28/09/2023	
Drawing No: 5941 ENG CW3 400	

FPI QUEENSLAND
PTY. LTD.

VANTAGE YATALA STAGE 3

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

Level Datum: AHD
Meridian:
PSM:
RL:

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GENERAL NOTES.

ROADWORKS AND
DRAINAGE TYPICAL
DETAILS SHEET 3 OF 3

ALL DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

NOT TO SCALE

Project No: 5941	
Designed: JH	Drafted: JH
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No:	Revision
5941 ENG CW3 402	B



G	11/04/25	SWD MANHOLE ADDED	JH	MG	
F	11/04/25	LAYOUT UPDATED	JH	MG	
E	26/03/25	STORMWATER LINE UPDATED	JH	MG	
D	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG	
C	11/12/24	LAYOUT UPDATED	JH	MG	
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG	
B	08/02/24	FOOTPATH AMENDED	JH	MG	
A	25/05/23	ORIGINAL ISSUE	JH	MG	
Rev	Date	Description	DRN	CHK	

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE: A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES A3 REDUCED

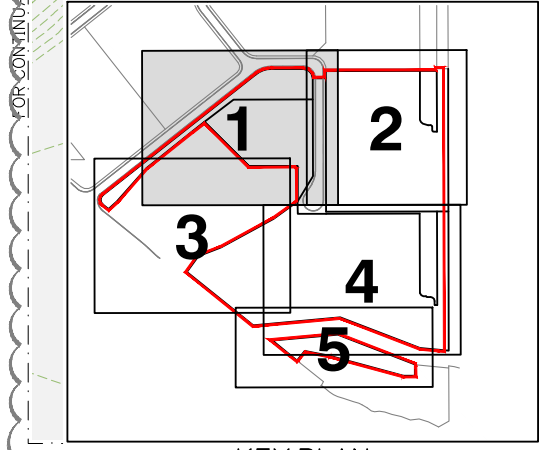
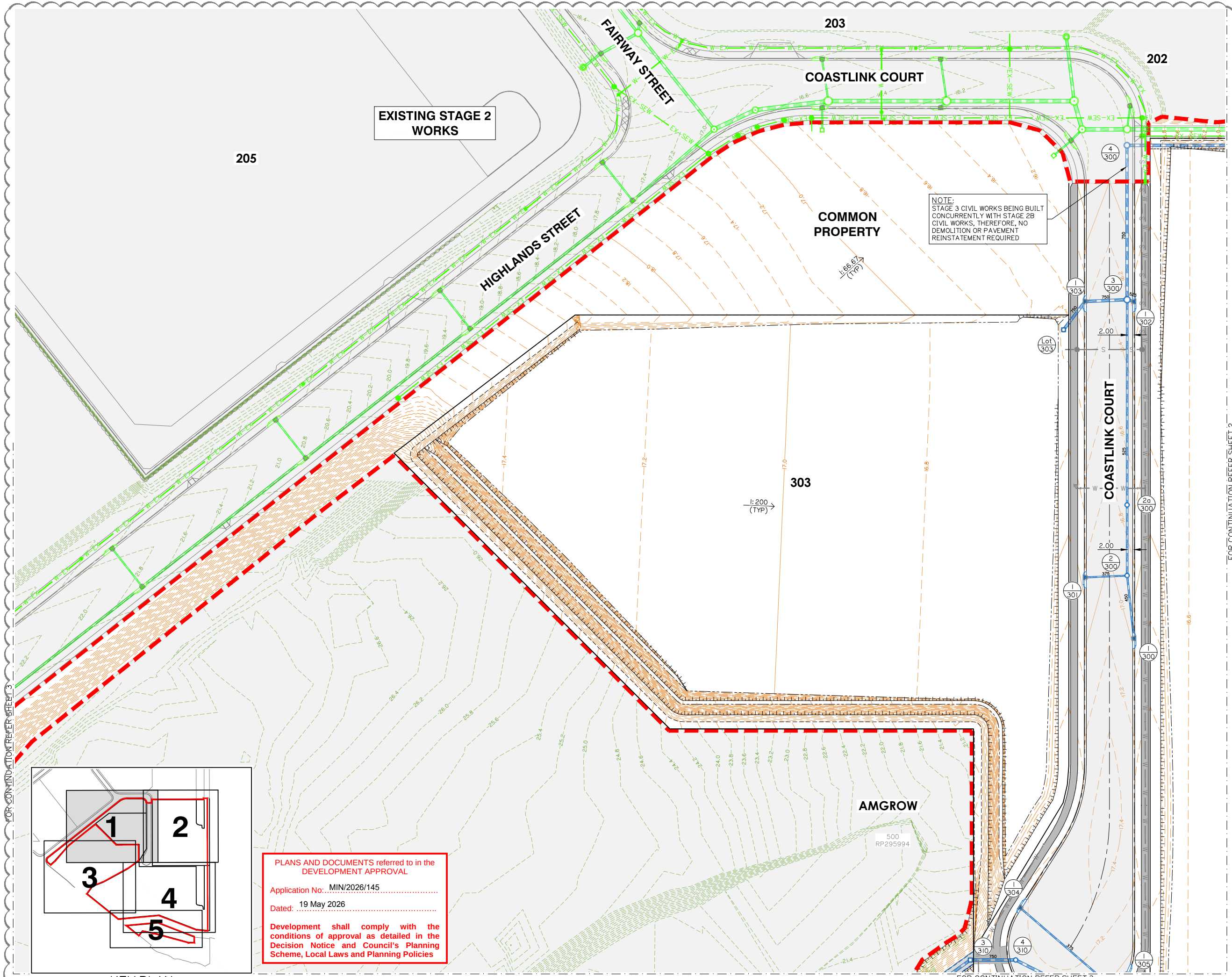
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1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT

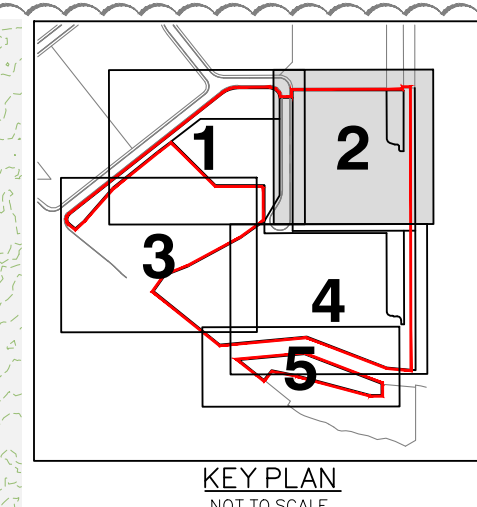
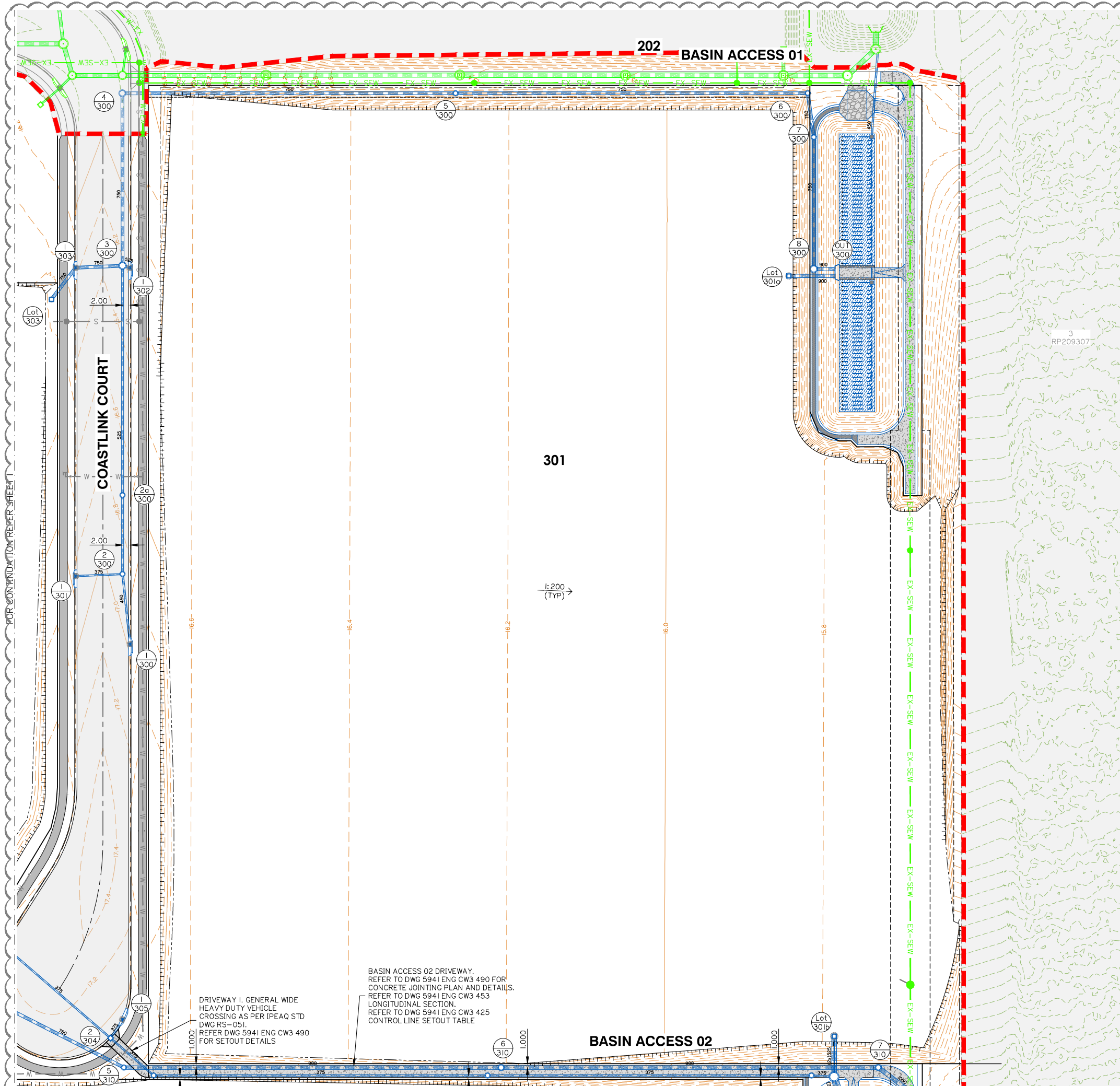


Project No:	5941
Designed:	JH
Drafted:	JH
Approved:	MG
RPEQ:	16939
Signed:	
Date:	28/09/2023

Drawing No: 5941 ENG CW3 410
Revision: G



PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL
Application No: MIN/2026/145
Dated: 19 May 2026
Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



Client:



Project:

VANTAGE YATALA STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot:	504
Plan:	SP329485
Local Authority:	CITY OF GOLD COAST
Level Datum:	AHD
Meridian:	
PSM:	
RL:	

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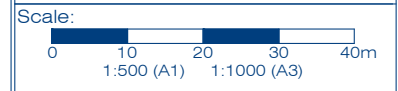
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GENERAL NOTES.

Drawing Title:

ROADWORKS AND
DRAINAGE LAYOUT
PLAN SHEET 2 OF 5

H	11/04/25	SWD MANHOLE ADDED	JH	MG
G	11/04/25	LAYOUT UPDATED	JH	MG
F	26/03/25	STORMWATER LINE UPDATED	JH	MG
E	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
D	11/12/24	SWD & BASIN 2 UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/02/24	FOOTPATH AVENUE	JH	MG
A	06/11/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED



PROJECT NORTH POINT



Project No. 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

[Signature]

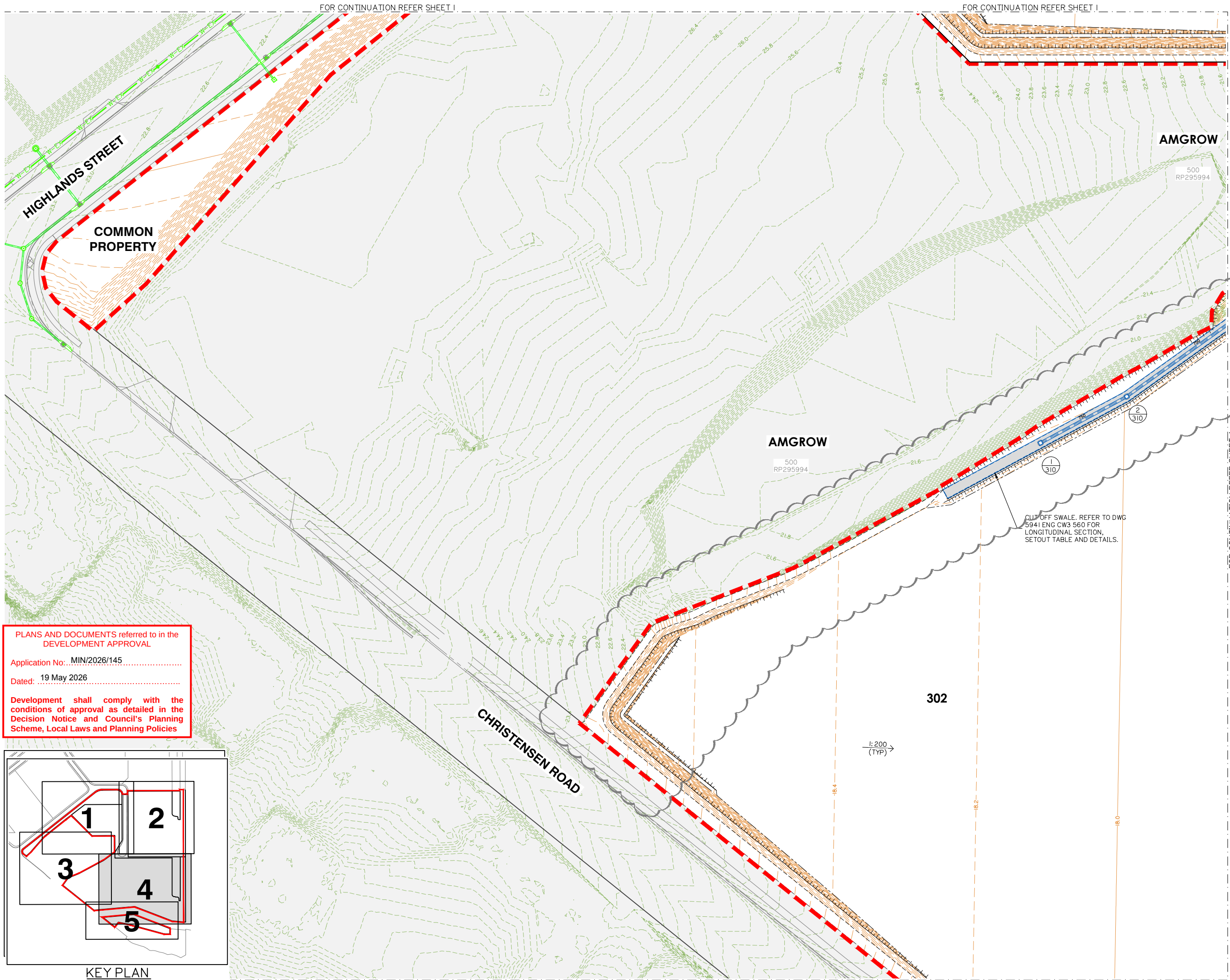
Date:

Drawing No:

5941 ENG CW3 411

Revision

H



planning | environment | landscape | engineering | survey
T: 3607 3333 | F: 3287 5481 | www.gassman.com.au
Gold Coast | 76 Business Street, Yatala QLD | PO Box 392, Beenleigh 4207

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian:
PSM:
RL:

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Drawing Title:

ROADWORKS AND
DRAINAGE LAYOUT
PLAN SHEET 3 OF 5

B	11/12/24	LAYOUT UPDATED	JH	MG	
A	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG	
A	25/05/23	ORIGINAL ISSUE	JH	MG	
Rev	Date	Description	DRN	CHK	

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED
Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

Date:

28/09/2023

Drawing No:

5941 ENG CW3 412

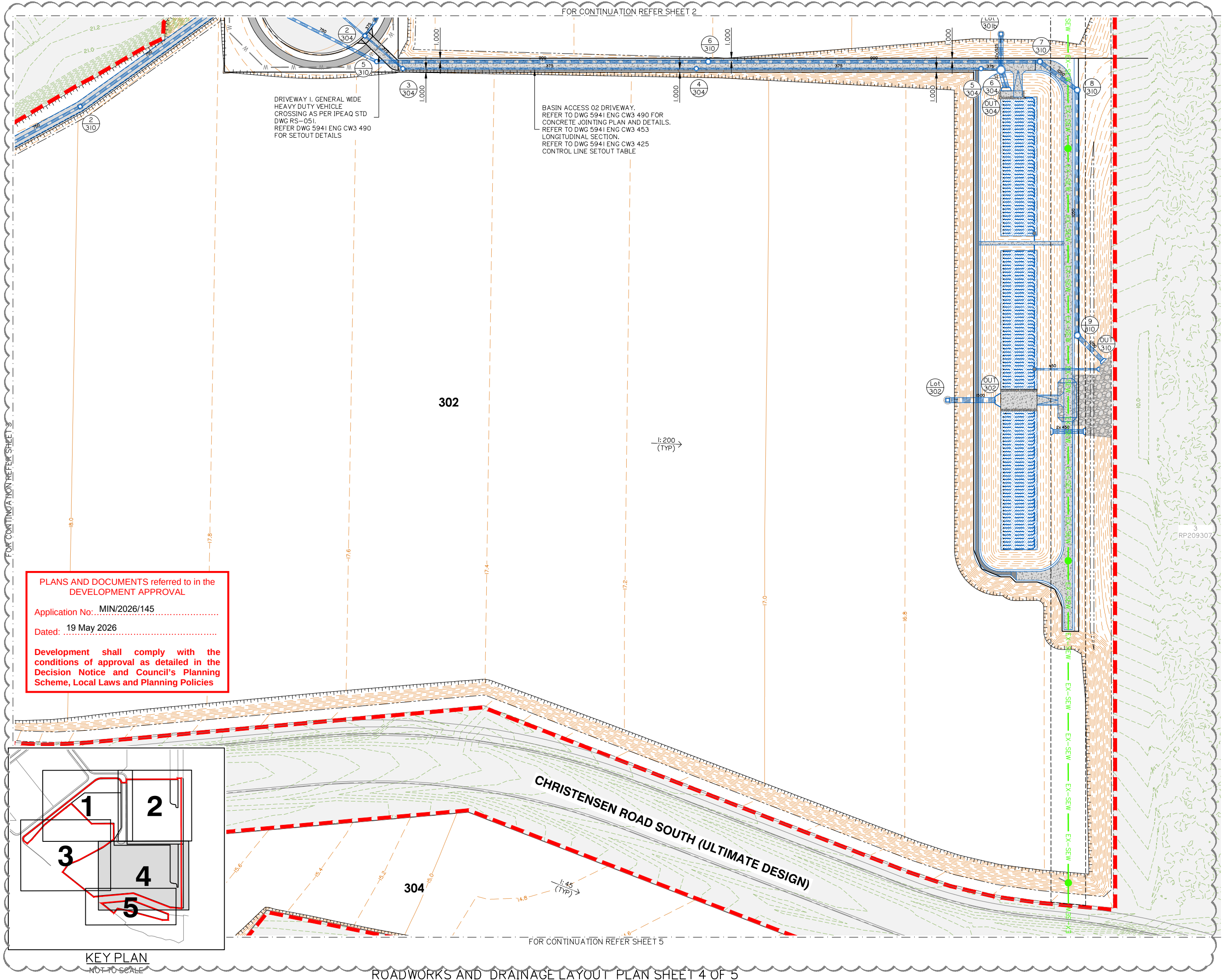
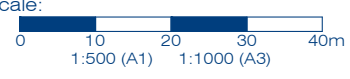
Revision

B

Rev	Date	Description	DRN	CHK
E	11/04/25	LAYOUT UPDATED	JH	MG
D	11/11/24	SWD & BASIN 2 UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

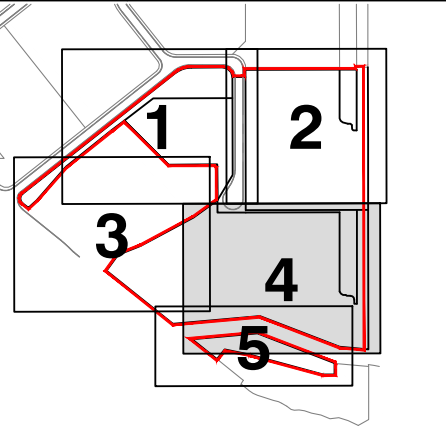


PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

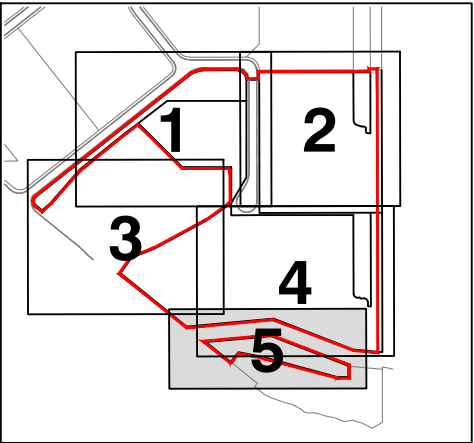
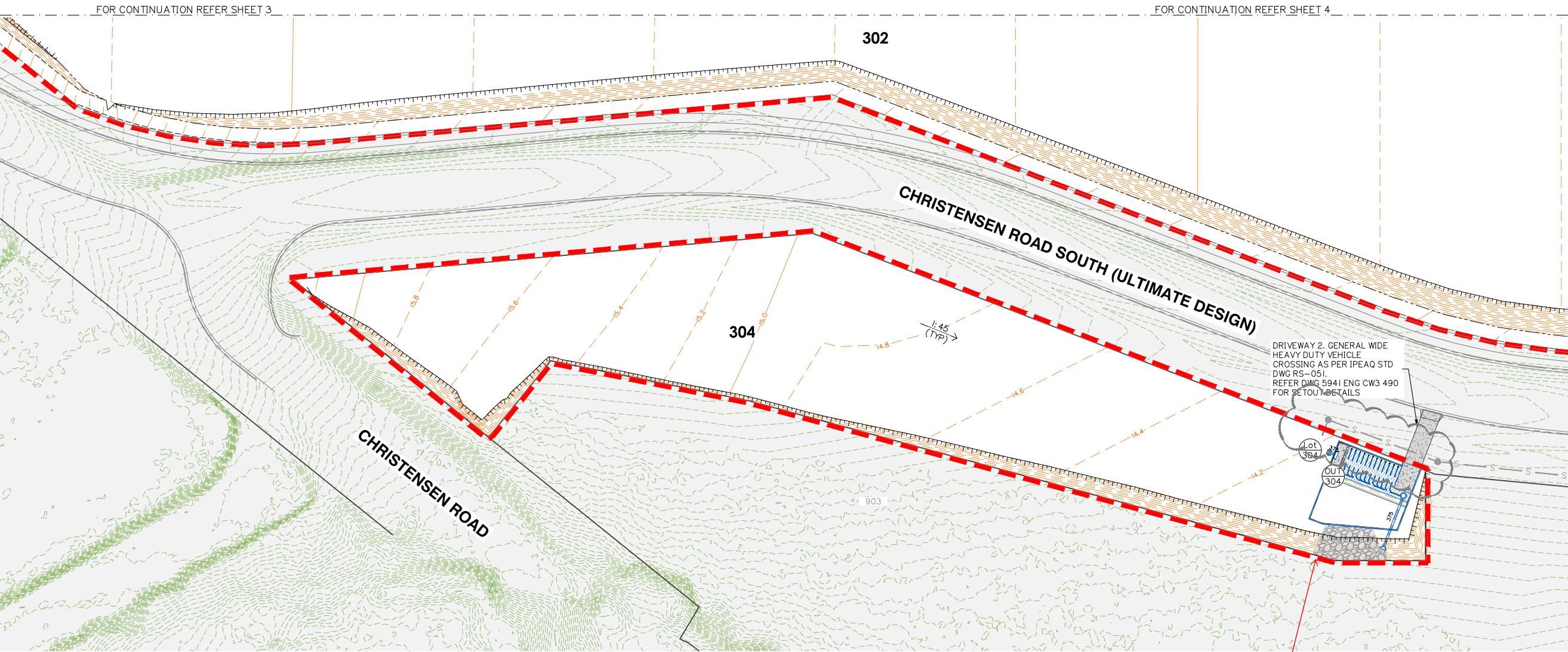
Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



KEY PLAN
NOT TO SCALE



KEY PLAN
NOT TO SCALE

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian:
PSM:
RL:

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Drawing Title:

ROADWORKS AND
DRAINAGE LAYOUT
PLAN SHEET 5 OF 5

Rev	Date	Description	DRN	CHK
C	21/03/25	SEWER LINE UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	06/11/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE:
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No:	5941
Designed:	JH
Drafted:	JH
Approved:	MG
RPEQ:	16939
Signed:	
Date:	28/09/2023
Drawing No:	5941 ENG CW3 414
Revision:	C

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145
Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

Client:



FPI QUEENSLAND
PTY. LTD.

Project

VANTAGE YATALA STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPC

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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GENERAL NOTES.

Drawing Title:

CONTROL LINE
LAYOUT PLAN
SHEET 1 OF 2

E	11/04/25	SWD MANHOLE ADDED	JH	MG
D	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
C	11/12/24	SWO UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	NL	MG
A	08/02/24	FOOTPATH AMENDED	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

Scale:

0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No. 594

Designed: JH

Approved:	MG
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RPEQ	16939
------	-------

Signed: 

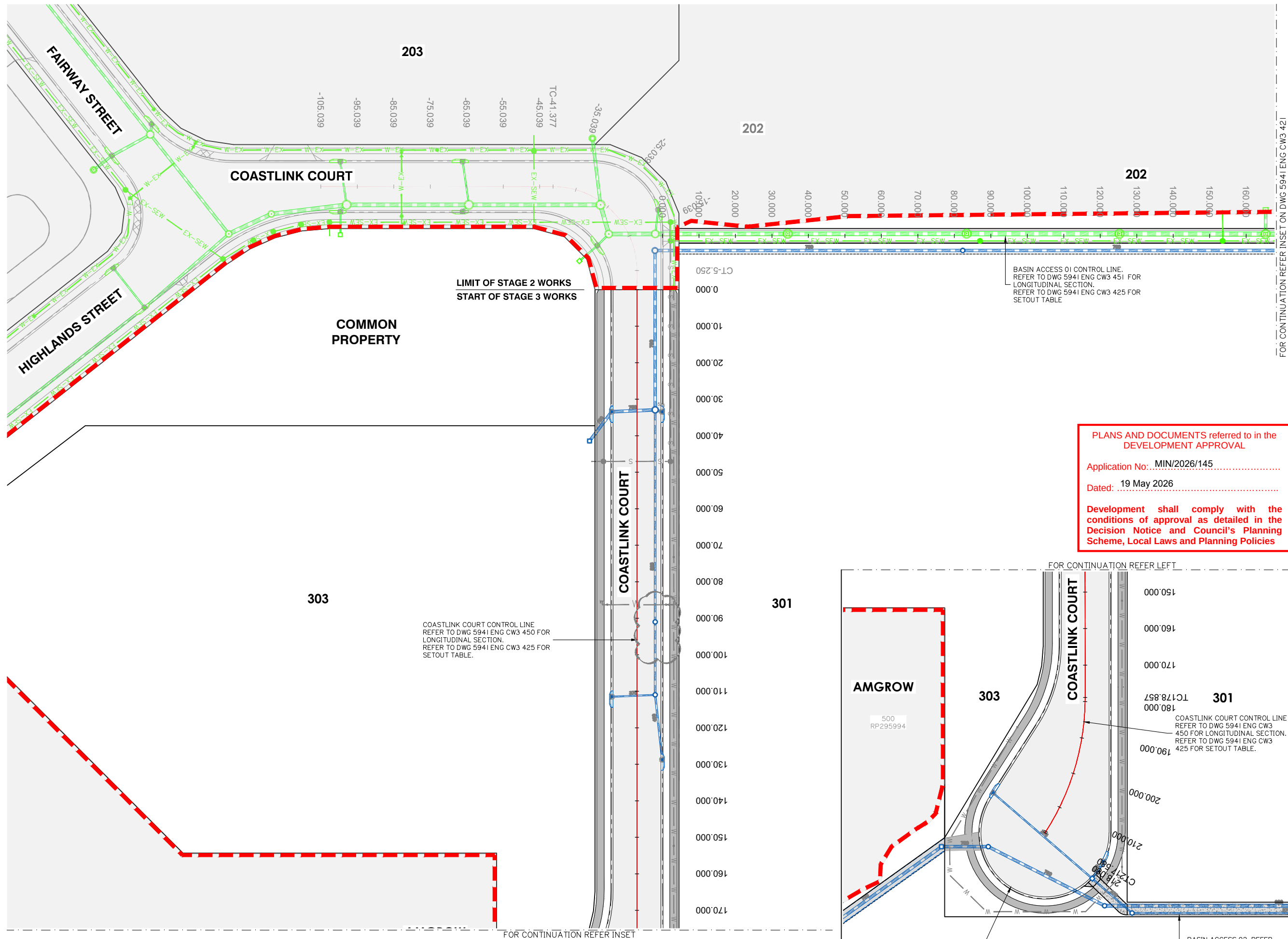
Date: 28/09/2023

Drawing No: _____ Revision _____

5941 ENG CW3 420

Revision

E



CONTROL LINE LAYOUT PLAN SHEET 1 OF 2

INSET



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COASTLINK COURT – SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE	STAGE
IP 1	-105.039	2771.372	6552.735	16.713	99°13'15.55"				STAGE 2
	-100.000	2776.345	6551.927	16.662	99°13'15.55"				
	-90.000	2786.216	6550.325	16.562	99°13'15.55"				
	-80.000	2796.087	6548.722	16.462	99°13'15.55"				
	-70.000	2805.958	6547.120	16.362	99°13'15.55"				
TC	-60.000	2815.828	6545.518	16.262	99°13'15.55"				
	-50.000	2825.699	6543.915	16.162	99°13'15.55"				
	-41.377	2834.211	6542.533	16.076	99°13'15.55"				
	-40.000	2835.563	6542.272	16.062	102°39'05.75"				
	-30.000	2844.547	6538.062	15.971	127°33'46.10"				
IP 2	-23.313	2856.913	6538.848	15.938		R = 23.000	36.127	89°59'51.40"	STAGE 3
	-20.000	2850.922	6530.460	15.930	152°28'26.45"				
	-10.000	2853.501	6520.880	15.942	177°23'06.80"				
CT	-5.250	2853.228	6516.146	15.967	189°13'06.95"				
IP 3	0.000	2852.387	6510.964	16.008					
	10.000	2850.785	6501.093	16.118	189°13'09.83"				
	20.000	2849.183	6491.222	16.232	189°13'09.83"				
	30.000	2847.581	6481.352	16.342	189°13'09.83"				
	40.000	2845.978	6471.481	16.443	189°13'09.83"				
	50.000	2844.376	6461.610	16.536	189°13'09.83"				
	60.000	2842.774	6451.739	16.621	189°13'09.83"				
	70.000	2841.172	6441.868	16.703	189°13'09.83"				
	80.000	2839.570	6431.997	16.785	189°13'09.83"				
	90.000	2837.968	6422.127	16.867	189°13'09.83"				
	100.000	2836.365	6412.256	16.949	189°13'09.83"				
	110.000	2834.763	6402.385	17.031	189°13'09.83"				
	120.000	2833.161	6392.514	17.112	189°13'09.83"				
	130.000	2831.559	6382.643	17.194	189°13'09.83"				
	140.000	2829.957	6372.773	17.276	189°13'09.83"				
	150.000	2828.355	6362.902	17.358	189°13'09.83"				
	160.000	2826.753	6353.031	17.438	189°13'09.83"				
	170.000	2825.150	6343.160	17.488	189°13'09.83"				
TC	178.857	2823.731	6334.417	17.503	189°13'09.83"				
	180.000	2823.539	6333.291	17.503	190°10'55.43"				
	190.000	2821.055	6323.613	17.482	198°36'28.49"				
IP 4	198.219	2820.543	6314.772	17.439		R = 68.000	38.722	32°37'36.22"	
	200.000	2817.180	6314.405	17.428	207°02'01.55"				
	210.000	2811.997	6305.863	17.368	215°27'34.61"				
CT	217.580	2807.266	6299.947	17.323	221°50'46.05"				
IP 5	218.080	2806.932	6299.574	17.320	221°50'46.05"				

BASIN ACCESS 01 – SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE	STAGE
IP 1	0.000	2861.659	6524.401	15.699	99°13'15.46"				STAGE 2
	10.000	2871.530	6522.798	15.720	99°13'15.46"				
	20.000	2881.401	6521.196	15.199	99°13'15.46"				
	30.000	2891.271	6519.593	14.677	99°13'15.46"				
	40.000	2901.142	6517.991	14.155	99°13'15.46"				
	50.000	2911.013	6516.389	13.634	99°13'15.46"				
	60.000	2920.884	6514.786	13.530	99°13'15.46"				
	70.000	2930.755	6513.184	13.480	99°13'15.46"				
	80.000	2940.625	6511.581	13.430	99°13'15.46"				
	90.000	2950.496	6509.979	13.380	99°13'15.46"				
	100.000	2960.367	6508.376	13.330	99°13'15.46"				
	110.000	2970.238	6506.774	13.280	99°13'15.46"				
	120.000	2980.108	6505.172	13.230	99°13'15.46"				
	130.000	2989.979	6503.569	13.180	99°13'15.46"				
	140.000	2999.850	6501.967	13.130	99°13'15.46"				
	150.000	3009.721	6500.364	13.080	99°13'15.46"				
	160.000	3019.592	6498.762	13.030	99°13'15.46"				
	170.000	3029.462	6497.159	12.980	99°13'15.46"				
	180.000	3039.333	6495.557	12.980	99°13'15.46"				
	190.000	3049.204	6493.955	13.141	99°13'15.46"				
TC	191.142	3050.331	6493.772	13.195	99°13'15.46"				STAGE 3
IP 2	196.049	3056.498	6492.771	13.430		R = 6.250	9.815	89°58'38.81"	
	200.000	3055.579	6487.556	13.619	180°25'38.24"				
CT	200.957	3055.499	6486.603	13.665	189°11'54.27"				
	210.000	3054.053	6477.676	13.700	189°11'54.27"				
	220.000	3052.455	6467.805	13.700	189°11'54.27"				
	230.000	3050.856	6457.934	13.700	189°11'54.27"				
	240.000	3049.258	6448.062	13.700	189°11'54.27"				
	250.000	3047.659	6438.191	13.700	189°11'54.27"				
	260.000	3046.061	6428.319	13.700	189°11'54.27"				
	270.000	3044.462	6418.448	13.700	189°11'54.27"				
	280.000	3042.864	6408.577	13.700	189°11'54.27"				
	290.000	3041.265	6398.705	13.700	189°11'54.27"				
	300.000	3039.667	6388.834	13.700	189°11'54.27"				
IP 3	300.103	3039.650	6388.732	13.700	189°11'54.27"				

BASIN ACCESS 02 – SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	2817.700	6285.150	16.891	143°15'26.80"			
	10.000	2823.682	6277.137	17.402	143°15'26.80"			
TC	11.163	2824.378	6276.205	17.448	143°15'26.80"			
IP 2	12.123	2824.982	6275.395	17.486		R = -2.500	1.921	44°02'05.33"
	13.084	2825.980	6275.233	17.513	99°13'21.47"			
CT	20.000	2832.807	6274.125	17.416	99°13'21.47"			
	30.000	2842.678	6272.522	17.276	99°13'21.47"			
	40.000	2852.548	6270.919	17.135	99°13'21.47"			
	50.000	2862.419	6269.316	16.995	99°13'21.47"			
	60.000	2872.290	6267.714	16.855	99°13'21.47"			
	70.000	2882.160	6266.111	16.715	99°13'21.47"			
	80.000	2892.031	6264.508	16.574	99°13'21.47"			
	90.000	2901.902	6262.906	16.434	99°13'21.47"			
	100.000	2911.773	6261.303	16.294	99°13'21.47"			
	110.000	2921.643	6259.700	16.079	99°13'21.47"			
	120.000	2931.514	6258.097	15.769	99°13'21.47"			
	130.000	2941.385	6256.495	15.459	99°13'21.47"			
	140.000	2951.256	6254.892	15.149	99°13'21.47"			
	150.000	2961.126	6253.289	14.839	99°13'21.47"			
	160.000	2970.997	6251.687	14.529	99°13'21.47"			
	170.000	2980.868	6250.084	14.219	99°13'21.47"			
	180.000	2990.739	6248.481	13.950	99°13'21.47"			
TC	196.917	3007.437	6245.770	13.950	99°13'21.47"			
	200.000	3010.336	6244.766	13.950	118°57'37.43"			
IP 3	203.944	3016.267	6244.336	13.950		R = 8.950	14.055	89°58'32.80"
	210.000	3014.940	6236.471	13.950	182°58'40.90"			
CT	210.972	3014.837	6235.505	13.950	189°11'54.26"			
	220.000	3013.394	6226.593	13.950	189°11'54.26"			
	230.000	3011.795	6216.721	13.950	189°11'54.26"			
	240.000	3010.197	6206.850	13.950	189°11'54.26"			
	250.000	3008.598	6196.978	13.950	189°11'54.26"			
	260.000	3007.000	6187.107	13.950	189°11'54.26"			
	270.000	3005.401	6177.236	13.950	189°11'54.26"			
	280.000	3003.803	6167.364	13.950	189°11'54.26"			
	290.000	3002.204	6157.493	13.950	189°11'54.26"			
	300.000	3000.606	6147.621	13.650	189°11'54.26"			
	310.000	2999.007	6137.750	13.950	189°11'54.26"			
	320.000	2997.409	6127.879	13.950	189°11'54.26"			
	330.000	2995.810	6118.007	13.950	189°11'54.26"			
	340.000	2994.211	6108.136	13.950	189°11'54.26"			
	350.000	2992.613	6098.264	13.950	189°11'54.26"			
	360.000	2991.014	6088.393	13.950	189°11'54.26"			
IP 4	364.619	2990.276	6083.833	13.950	189°11'54.26"			

BASIN ACCESS 01a – SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	3041.832	6402.206	13.700	279°11'53.97"
	10.000	3031.961	6403.805	13.700	279°11'53.97"
IP 2	13.250	3028.753	6404.324	13.700	279°11'53.97"

BASIN ACCESS 02A – SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	2992.746	6099.084	13.950	279°11'53.97"
	10.000	2982.874	6100.683	13.950	279°11'53.97"
IP 2	14.950	2977.988	6101.474	13.950	279°11'53.97"

Site Address:
LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot:	504
Plan:	SP329485
Local Authority:	CITY OF GOLD COAST
Level Datum:	AHD
Meridian:	
PSM:	
RL:	

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Drawing Title:

BASIN ACCESS 01
LONGITUDINAL SECTION

B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/01/24	NOTES ADDED	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

Scale:



0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

0 1 2 3 4m
1:50 (A1) 1:100 (A3)

PROJECT NORTH POINT



Project No. 5941	
Designed: JH	Drafted: ML
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No:	Revision
5941 ENG CW3 451	B



AI HORIZ SCALE 1: 500
AI VERT SCALE 1: 50

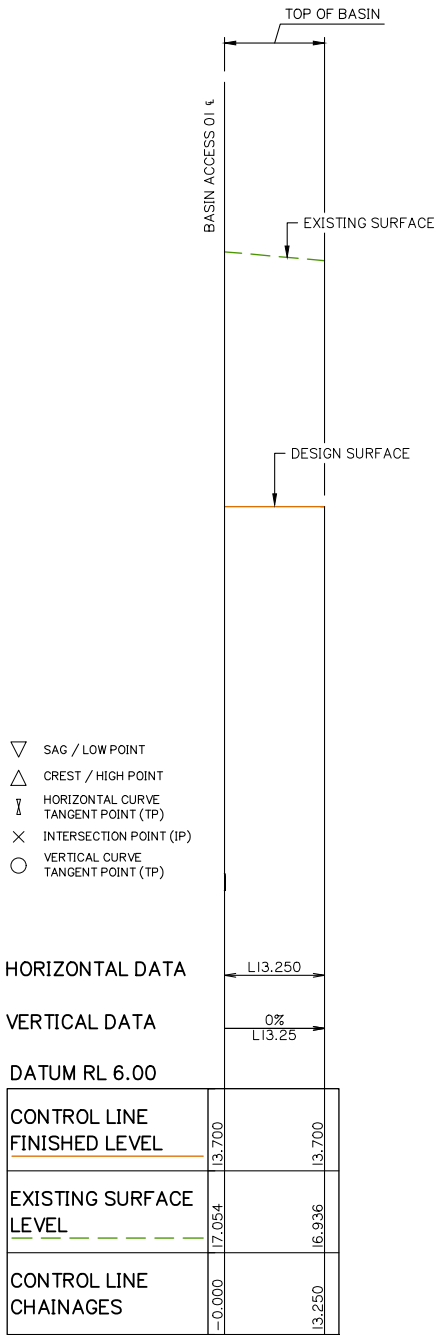
PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

g:\Projects\5941\Engineering\Acad\civil works stage 3\Current\5941 ENG CW3 450.dwg



BASIN ACCESS 01a – LONGITUDINAL SECTION

A1 HORZ SCALE 1: 500
A1 VERT SCALE 1: 50

BASIN ACCESS 01a LONGITUDINAL SECTION

Client:



Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

ISSUED FOR
CONSTRUCTION

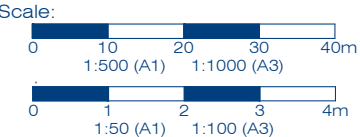
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Drawing Title:

BASIN ACCESS 01a
LONGITUDINAL SECTION

B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/01/24	NOTES ADDED	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	JH	MG
			DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES
A1 UNREDUCED
A3 REDUCED



PROJECT NORTH POINT



Project No.	5941
Designed: JH	Drafted: ML
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No:	Revision
5941 ENG CW3 452	B

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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CONSTRUCTION

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Drawing Title:

ROADWORKS CROSS
SECTIONS SHEET 1 OF 5

Rev	Date	Description	DRN	CHK
F	11/04/25	CROSS SECTIONS UPDATED	JH	MG
E	11/04/25	CROSS SECTIONS UPDATED	JH	MG
D	11/12/24	SWD UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

Scale:
0 2 4 6 8m
1:100 (A1) 1:200 (A3)
0 2 4 6 8m
1:100 (A1) 1:200 (A3)

PROJECT NORTH POINT



Project No: 5941

Designed: JH
Drafted: ML

Approved: MG

RPEQ: 16939

Signed:

Date: 28/09/2023

Drawing No: 5941 ENG CW3 470

Revision

F

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

DATUM RL 10.600

FINISHED SURFACE LEVEL	16.230	16.290	16.270	16.220	16.146	15.996	16.036	16.232											
EXISTING SURFACE LEVEL	17.743	17.392	17.310	16.981	16.998	17.011	17.048	17.587	17.532	16.290	17.534								
OFFSET	-14.500	-11.500	-11.000	-9.000	-7.150	-7.000	-6.550	0.000	6.550	7.000	7.150	9.000	11.000	11.500	11.800	12.800			

CH 20.000

DATUM RL 10.400

FINISHED SURFACE LEVEL	16.116	16.176	16.156	16.106	16.032	15.882	16.032	16.118											
EXISTING SURFACE LEVEL	15.518	15.667	15.691	15.779	15.864	15.871	15.892	16.194	16.176	16.176	16.968								
OFFSET	-14.500	-11.500	-11.000	-9.000	-7.150	-7.000	-6.550	0.000	6.550	7.000	7.150	9.000	11.000	11.500	11.800	12.800			

CH 10.000

DATUM RL 10.200

FINISHED SURFACE LEVEL	16.006	16.066	16.046	15.996	15.922	15.772	15.812	16.008											
EXISTING SURFACE LEVEL	15.815	16.073	16.053	15.996	15.922	15.772	15.812	16.008	16.066	16.066	16.427								
OFFSET	-14.500	-11.500	-11.000	-9.000	-7.150	-7.000	-6.550	0.000	6.550	7.000	7.150	9.000	11.000	11.500	11.800	12.800			

CH 0.000

DATUM RL 12.300

FINISHED SURFACE LEVEL	16.593	16.573	16.523	16.449	16.299	16.339	16.536	16.339	16.299	16.449	16.523	16.573	16.593	16.615					
EXISTING SURFACE LEVEL	18.141	18.157	18.221	18.281	18.285	18.300	18.467	18.651	18.664	18.668	18.718	18.773	18.787	18.869					
OFFSET	-11.500	-11.000	-9.000	-7.150	-7.000	-6.550	0.000	6.550	7.000	7.150	9.000	11.000	11.500	14.500					

CH 50.000

DATUM RL 11.100

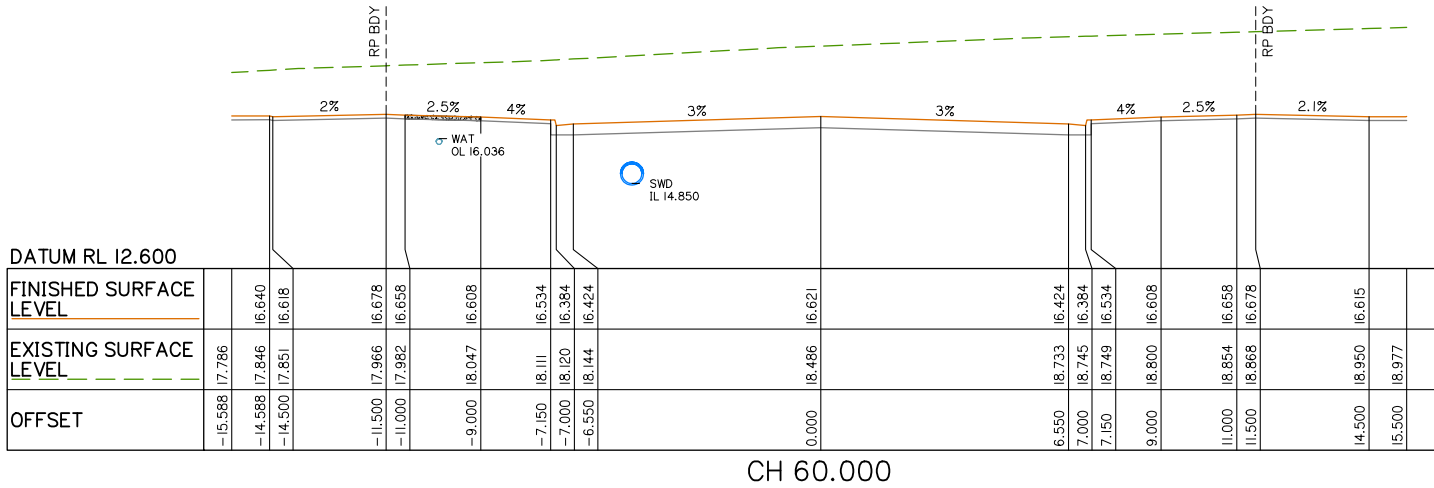
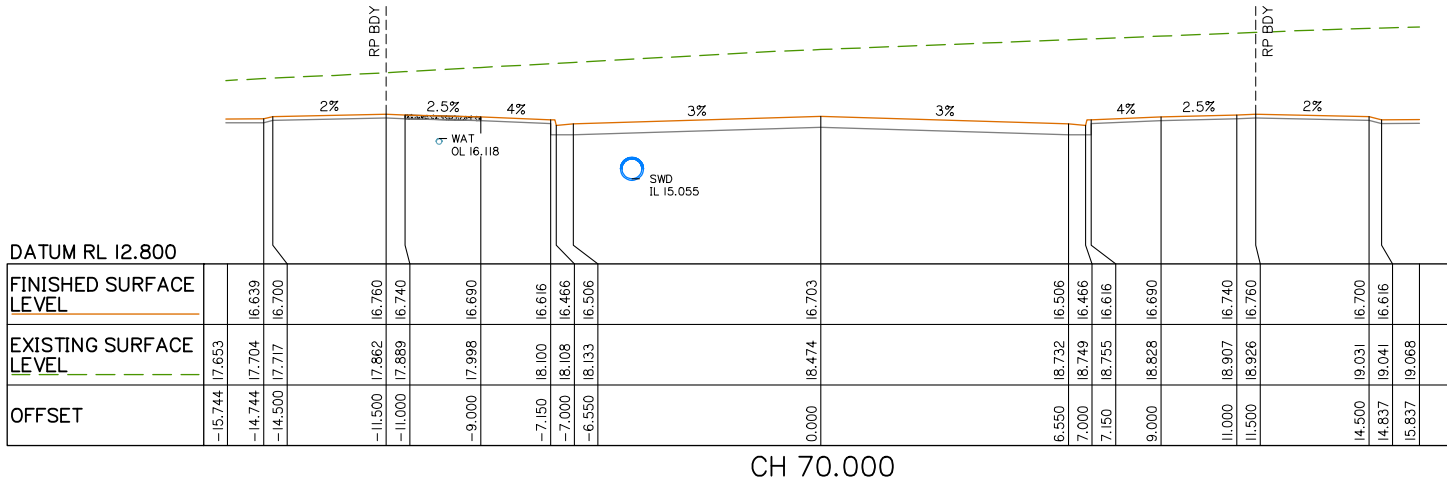
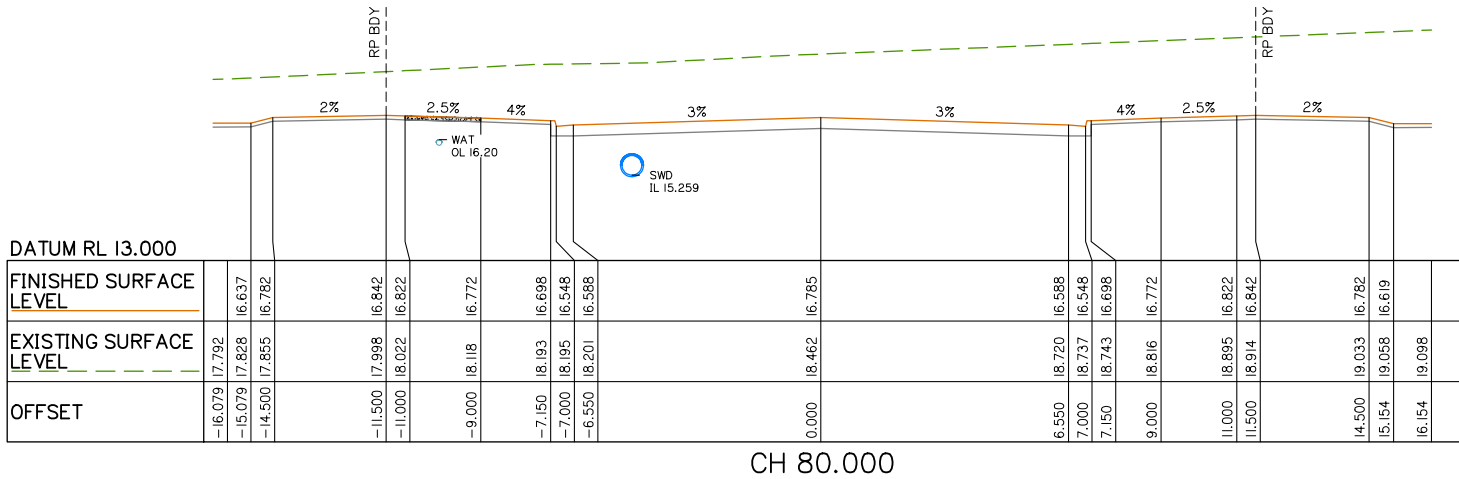
FINISHED SURFACE LEVEL	16.500	16.480	16.430	16.356	16.206	16.246	16.443	16.246	16.206	16.356	16.430	16.480	16.500	16.615					
EXISTING SURFACE LEVEL	18.118	18.101	18.095	18.100	18.100	18.101	18.293	18.516	18.530	18.535	18.594	18.658	18.674	18.769	18.801				
OFFSET	-11.500	-11.000	-9.000	-7.150	-7.000	-6.550	0.000	6.550	7.000	7.150	9.000	11.000	11.500	14.500	15.500				

CH 40.000

DATUM RL 10.800

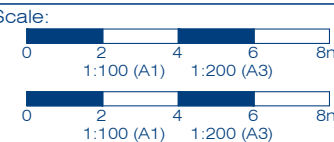
FINISHED SURFACE LEVEL	16.399	16.379	16.329	16.255	16.105	16.145	16.342	16.379	16.399	16.399	16.472								
EXISTING SURFACE LEVEL	18.173	18.156	18.128	18.236	18.245	18.271	18.260	18.311	18.333	18.340	18.400	18.438	18.448	18.453	18.472				
OFFSET	-11.500	-11.000	-9.000	-7.150	-7.000	-6.550	0.000	6.550	7.000	7.150	9.000	11.000	11.500	11.800	12.800				

CH 30.000



Rev	Date	Description	DRN	CHK
E	11/04/25	CROSS SECTIONS UPDATED	JH	MG
C	11/04/25	CROSS SECTIONS UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES
A1 UNREDUCED
A3 REDUCED



PROJECT NORTH POINT

Project No. 5941	Designed: JH	Drafted: ML
Approved: MG	RPEQ	16939
Signed: 	Date: 28/09/2023	
Drawing No: 5941 ENG CW3 471	Revision: E	

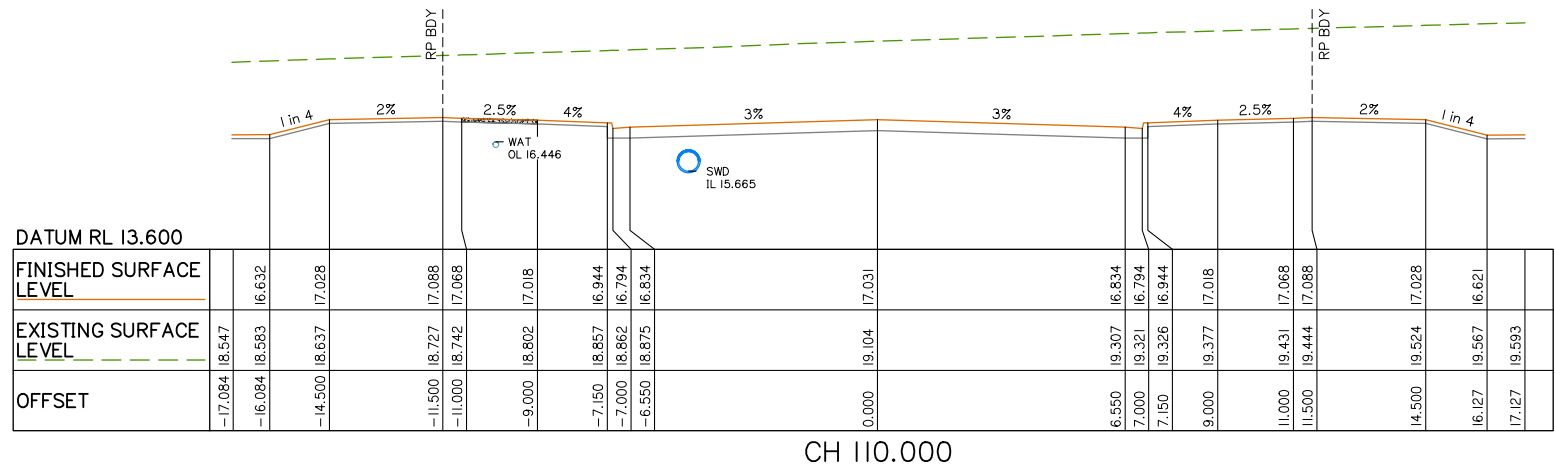
PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL
Application No: MIN/2026/145
Dated: 19 May 2026
Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

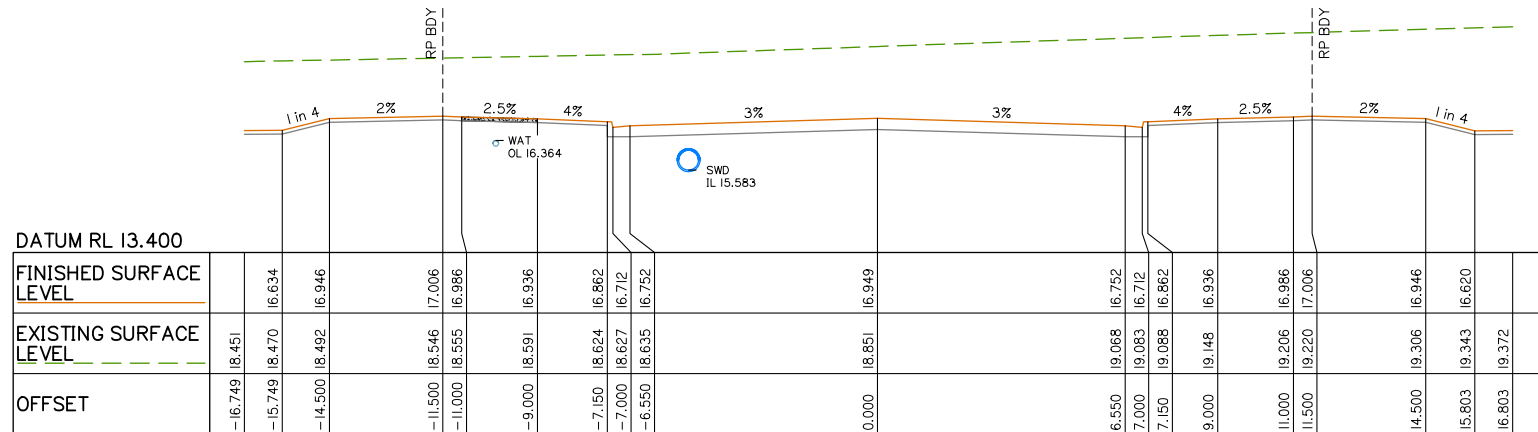
Application No: MIN/2026/145

Dated: 19 May 2026

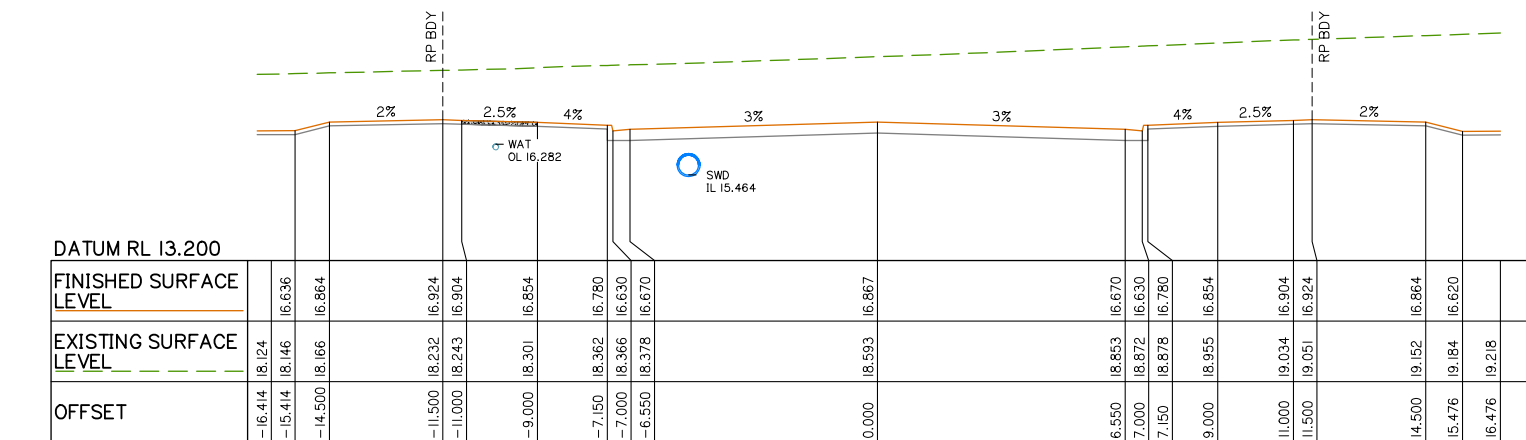
Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies



CH 110.000



CH 100.000



CH 90.000

ROADWORKS CROSS SECTIONS SHEET 3 OF 5

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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CONSTRUCTION

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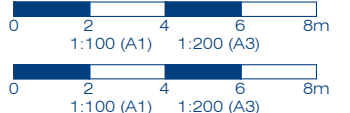
ROADWORKS CROSS
SECTIONS SHEET 3 OF 5

Rev	Date	Description	DRN	CHK
E	11/04/25	CROSS SECTIONS UPDATED	JH	MG
D	11/04/25	CROSS SECTIONS UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

Scale:



PROJECT NORTH POINT



Project No. 5941

Designed: JH

Drafted: ML

Approved:

MG

RPEQ

16939

Signed:

Date:

28/09/2023

Drawing No:

Revision

5941 ENG CW3 472

E

Project:

VANTAGE YATALA STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot:	504
Plan:	SP329485
Local Authority:	CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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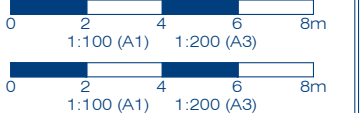
Drawing Title:

ROADWORKS CROSS
SECTIONS SHEET 4 OF 5

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C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

Scale:



PROJECT NORTH POINT



Project No. 5941

Designed: JH

Drafted: ML

Approved:

MG

RPEQ

5939

Signed:

[Signature]

Date:

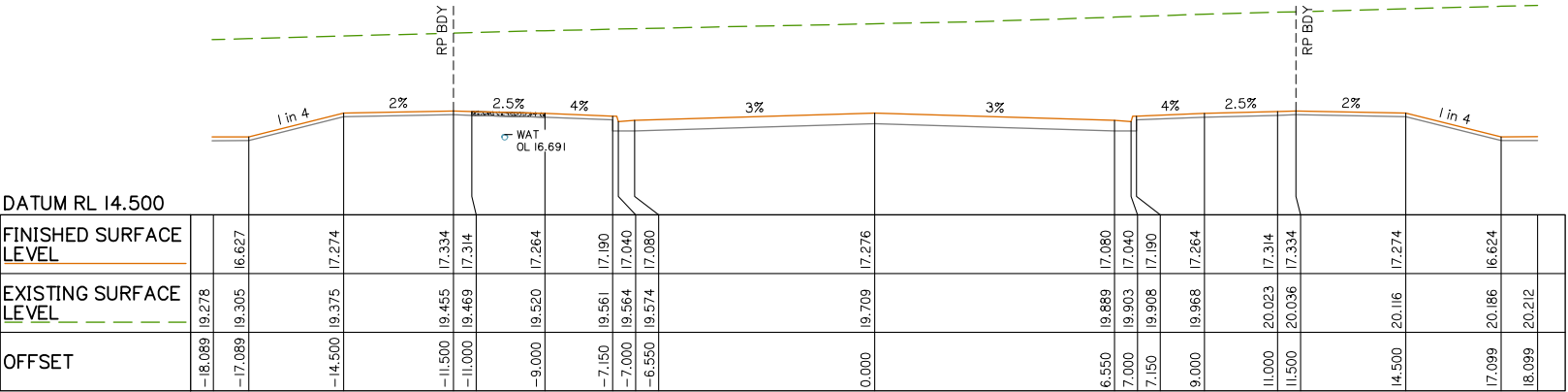
8/09/2023

Drawing No:

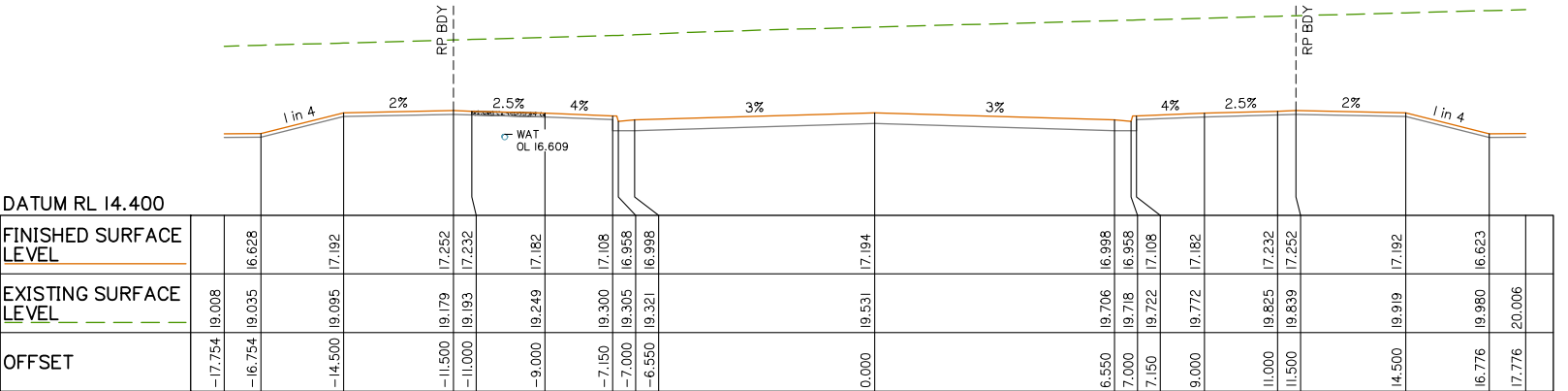
Revision

941 ENG CW3 473

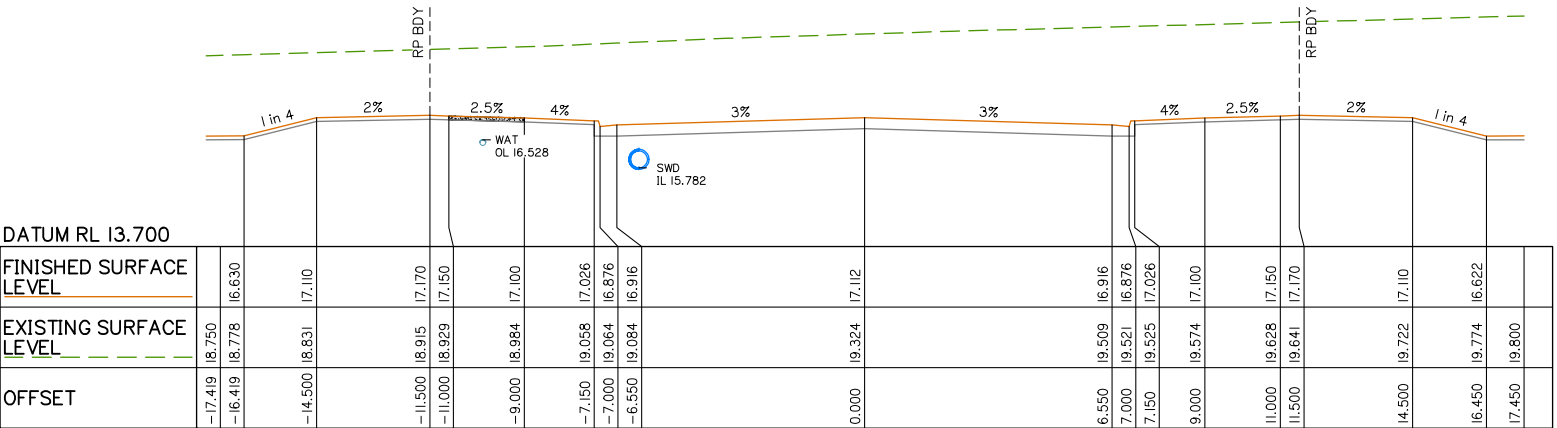
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CH 140.000



CH 130.000



CH 120.000

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Client:

Project:

VANTAGE YATALA STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot:	504
Plan:	SP329485
Local Authority:	CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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Drawing Title:

ROADWORKS CROSS
SECTIONS SHEET 5 OF 5

D	11/04/25	CROSS SECTIONS UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

Scale:

Scale:



0 2 4 6 8m

1:100 (A1) 1:200 (A3)

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A horizontal number line with tick marks at 0, 2, 4, and 6. A blue bracket is drawn above the line, starting at 0 and ending at 2. Below the bracket is the number 2.

PROJECT NORTH POINT



Project No. 5941

Designed: JH

Drafted: ML

Approved:

MG

RPEQ

6939

Signed:

[Signature]

Date:

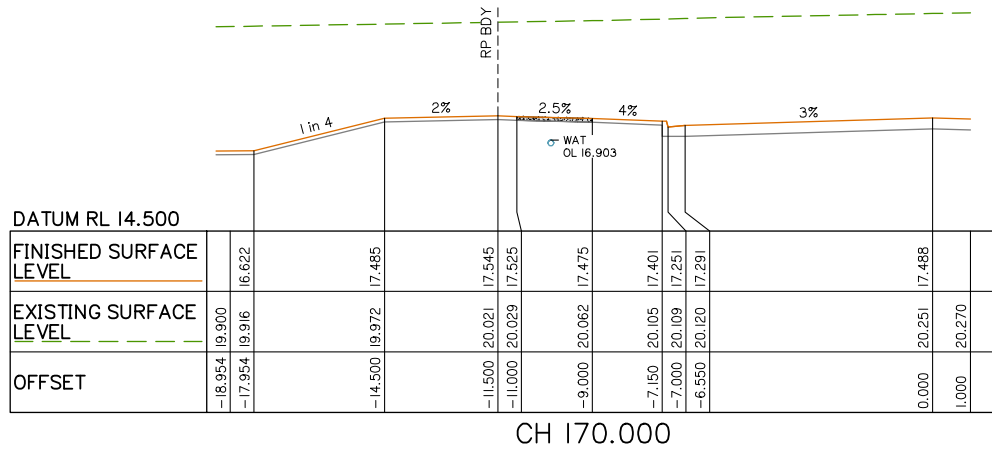
8/09/2023

Drawing No:

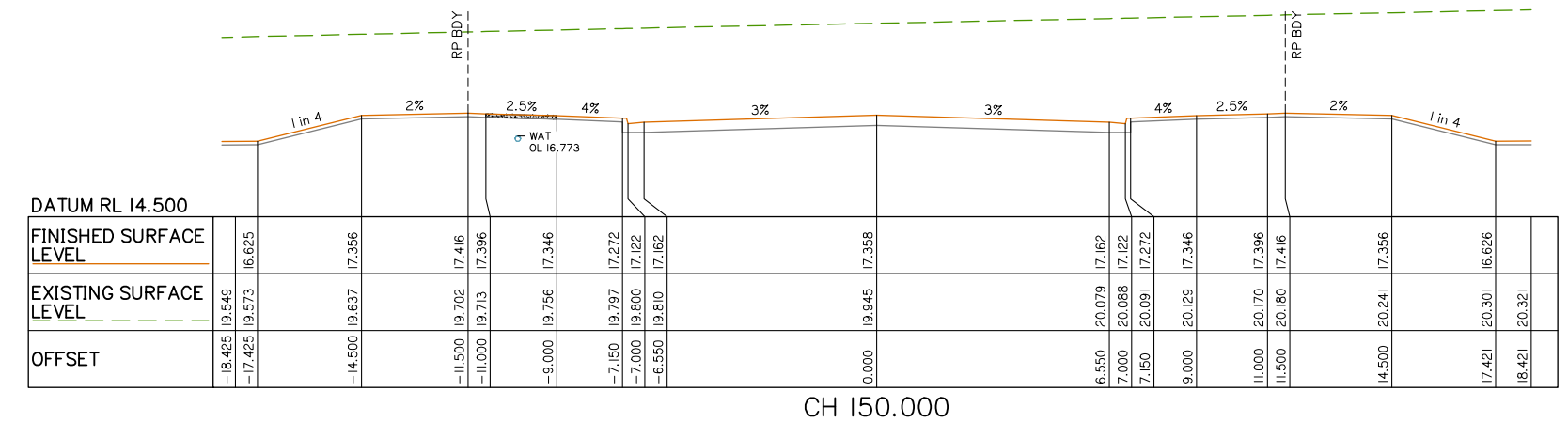
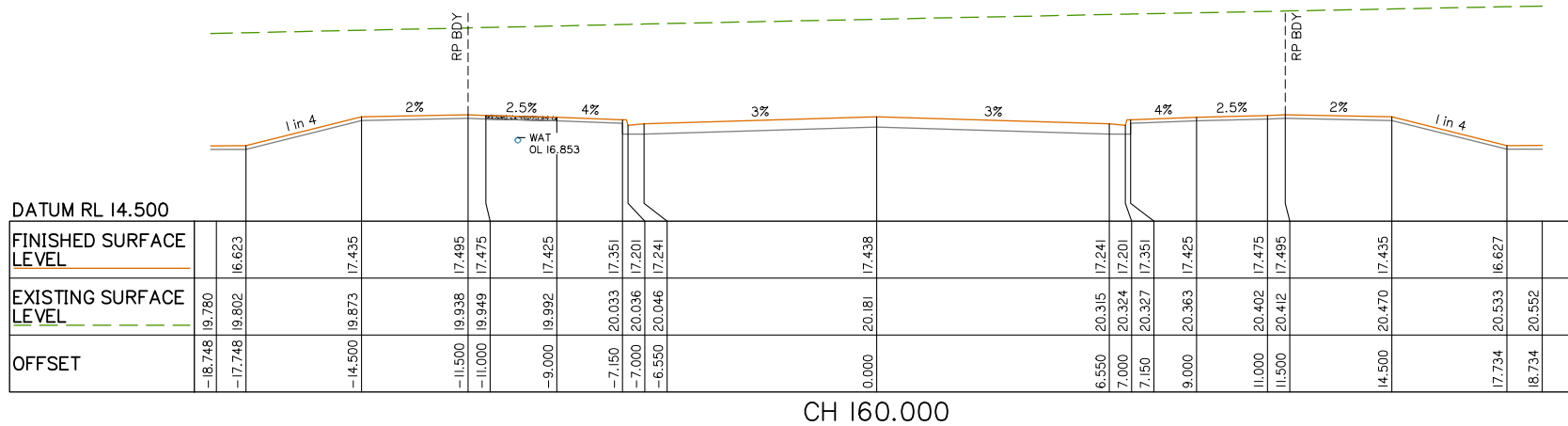
Revision

5941 ENG CW3 474

||



CUL-DE-SAC HEAD
REFER TO DWGS 594I ENG CW3 480 AND
594I ENG CW3 481 FOR DETAILS

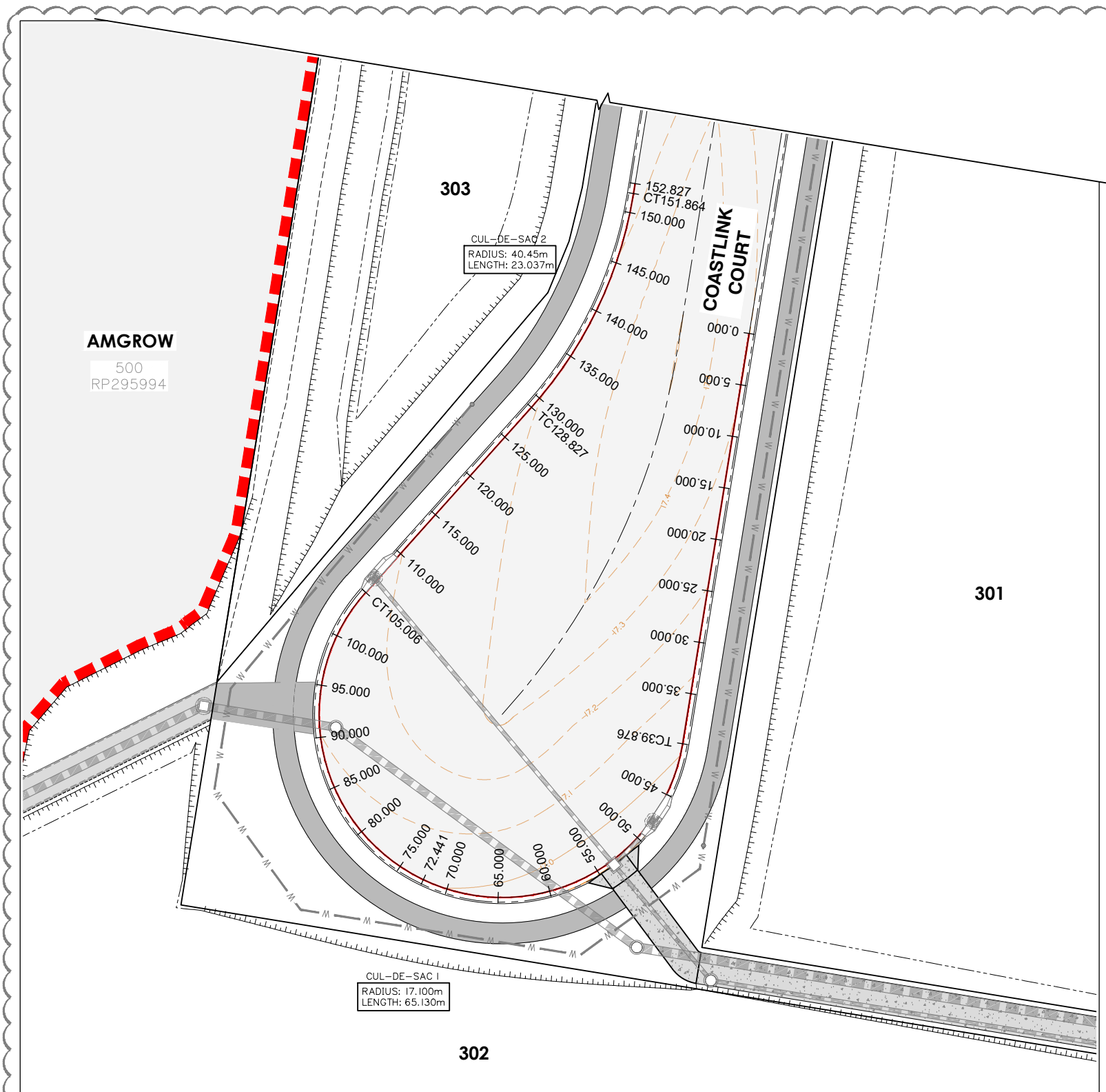


PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

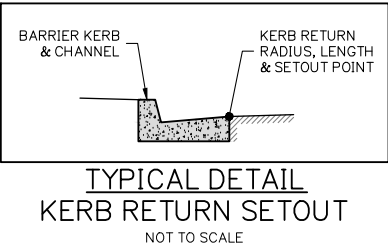
Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies



CUL-DE-SAC – SETOUT TABLE								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	2830.644	6336.123	17.303	189°13'09.48"			
	5.000	2829.843	6331.187	17.304	189°13'09.48"			
	10.000	2829.042	6326.252	17.293	189°13'09.48"			
	15.000	2828.241	6321.317	17.272	189°13'09.48"			
	20.000	2827.440	6316.381	17.239	189°13'09.48"			
	25.000	2826.638	6311.446	17.196	189°13'09.48"			
TC	30.000	2825.837	6306.510	17.142	189°13'09.48"			
	35.000	2825.036	6301.575	17.077	189°13'09.48"			
	39.876	2824.255	6296.762	17.013	189°13'09.48"			
	40.000	2824.235	6296.640	17.012	189°37'32.32"			
	45.000	2822.713	6291.895	16.963	205°56'57.22"			
	50.000	2819.918	6287.769	16.936	222°16'22.12"			
IP 2	55.000	2816.077	6284.595	16.932	238°35'47.02"			
	56.158	2820.502	6273.641	16.934		R = 17.550	32.565	106°18'56.26"
	60.000	2811.498	6282.628	16.948	254°55'11.93"			
	65.000	2806.551	6282.028	16.973	271°14'36.83"			
	70.000	2801.635	6282.843	16.998	287°34'01.73"			
	72.441	2799.367	6283.738	17.011	295°32'05.73"			
CC	75.000	2797.146	6285.006	17.023	303°53'26.63"			
	80.000	2793.446	6288.344	17.048	320°12'51.54"			
	85.000	2790.833	6292.587	17.073	336°32'16.44"			
	88.723	2778.231	6293.835	17.092		R = 17.550	32.565	106°18'56.26"
	90.000	2789.518	6297.393	17.098	352°51'41.34"			
	95.000	2789.607	6302.375	17.123	9°11'06.24"			
CT	100.000	2791.093	6307.132	17.148	25°30'31.14"			
	105.000	2793.855	6311.279	17.173	41°49'56.05"			
	105.006	2793.859	6311.283	17.173	41°51'01.99"			
	110.000	2797.191	6315.004	17.198	41°51'01.99"			
	115.000	2800.527	6318.728	17.223	41°51'01.99"			
	120.000	2803.863	6322.452	17.248	41°51'01.99"			
TC	125.000	2807.199	6326.177	17.273	41°51'01.99"			
	128.827	2809.753	6329.027	17.292	41°51'01.99"			
	130.000	2810.522	6329.913	17.298	40°11'20.30"			
	135.000	2813.505	6333.922	17.313	33°06'24.03"			
	140.000	2815.970	6338.268	17.315	26°01'27.77"			
	140.346	2817.652	6337.847	17.314		R = -40.450	23.037	32°37'52.52"
IP 4	145.000	2817.881	6342.885	17.303	18°56'31.50"			
	150.000	2819.208	6347.702	17.278	11°51'35.23"			
	151.864	2819.549	6349.535	17.267	9°13'09.48"			
	152.827	2819.704	6350.486	17.260	9°13'09.48"			



Client:

FRASERS
PROPERTY
FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

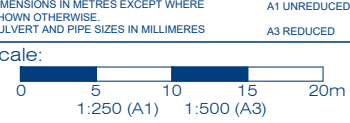
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CONSTRUCTION

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Drawing Title:

CUL-DE-SAC PLAN
AND SETOUT TABLE

Rev	Date	Description	DRN	CHK
C	11/04/25	CUL-DE-SAC UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/02/24	FOOTPATH AMENDED	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG



PROJECT NORTH POINT

Project No.: 5941

Designed: JH Drafted: JH

Approved: MG

RPEQ: 16939

Signed:

Date: 28/09/2023

Drawing No.: 5941 ENG CW3 480 Revision: C

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

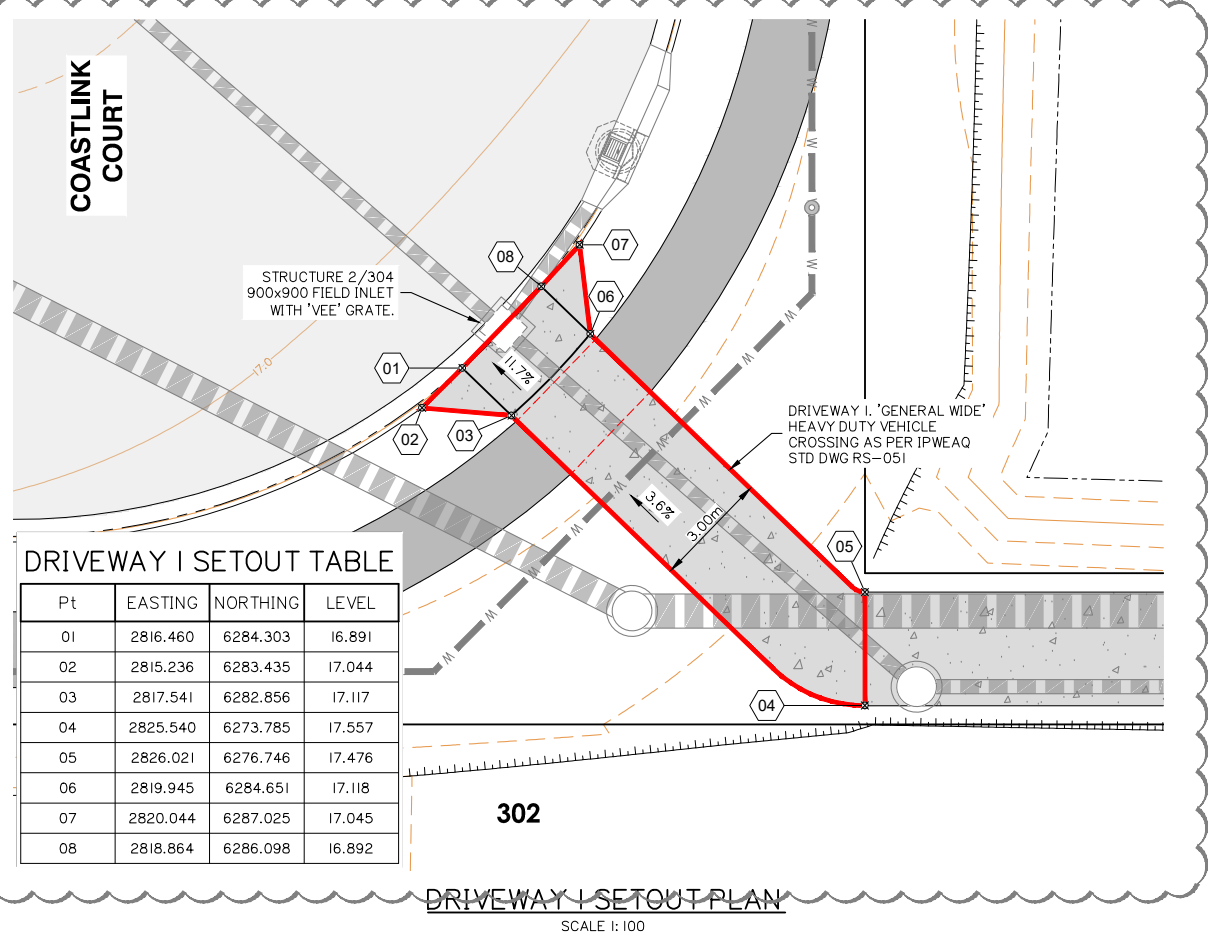
Application No.: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

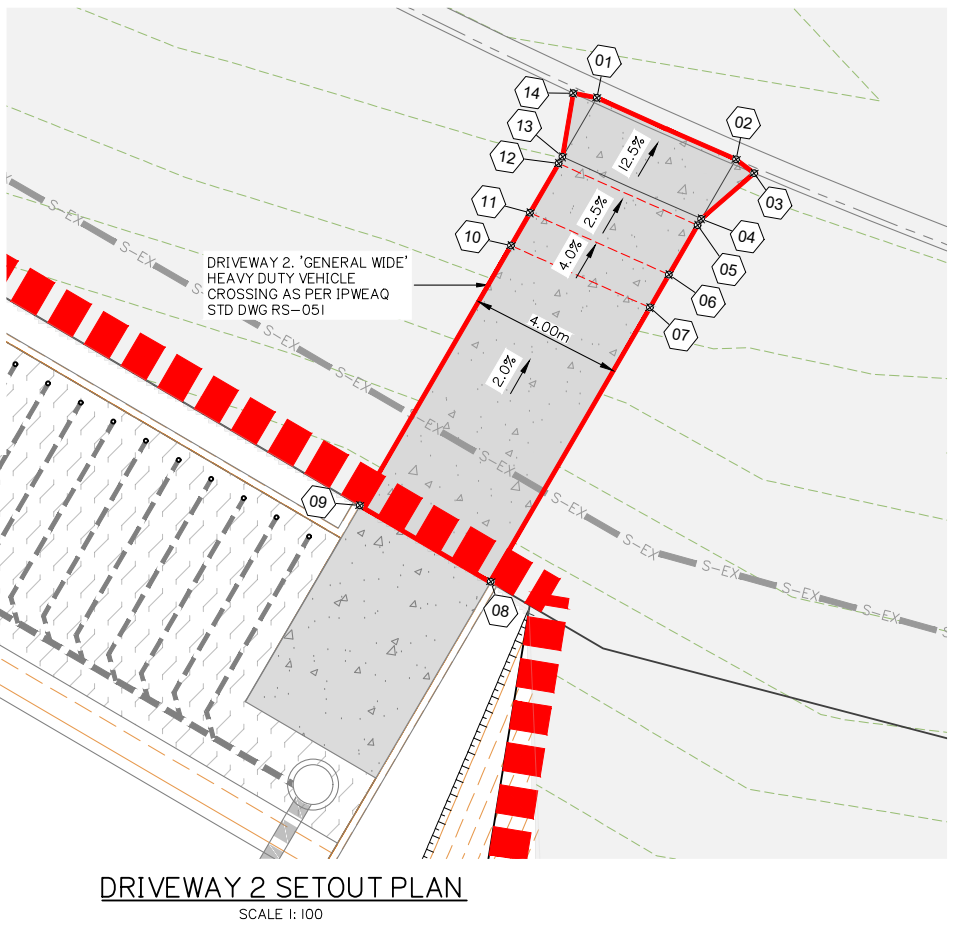
CUL-DE-SAC PLAN AND SETOUT TABLE

g:\Projects\5941\Engineering\Acadocivil works stage 3\Current\5941 ENG CW3 480.dwg



DRIVEWAY 2 SETOUT TABLE

Pt	EASTING	NORTHING	LEVEL
01	2938.694	5999.341	13.628
02	2942.379	5997.710	13.589
03	2942.855	5997.345	13.733
04	2941.457	5996.139	13.814
05	2941.362	5995.970	13.815
06	2940.604	5994.663	13.854
07	2940.098	5993.792	13.895
08	2935.890	5986.544	14.100
09	2932.422	5988.558	14.100
10	2936.424	5995.431	13.934
11	2936.929	5996.300	13.893
12	2937.685	5997.603	13.854
13	2937.786	5997.777	13.853
14	2938.071	5999.462	13.784

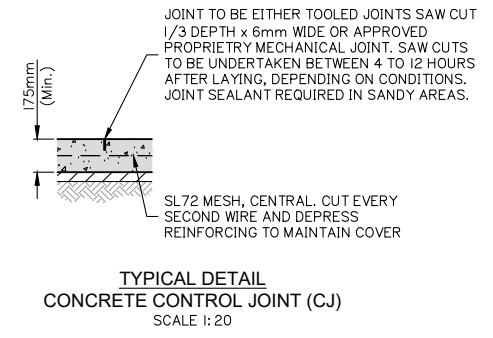
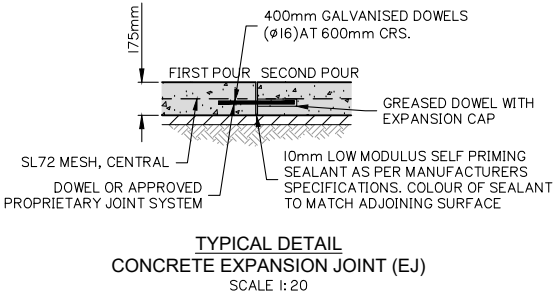
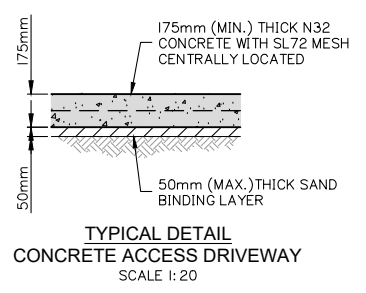
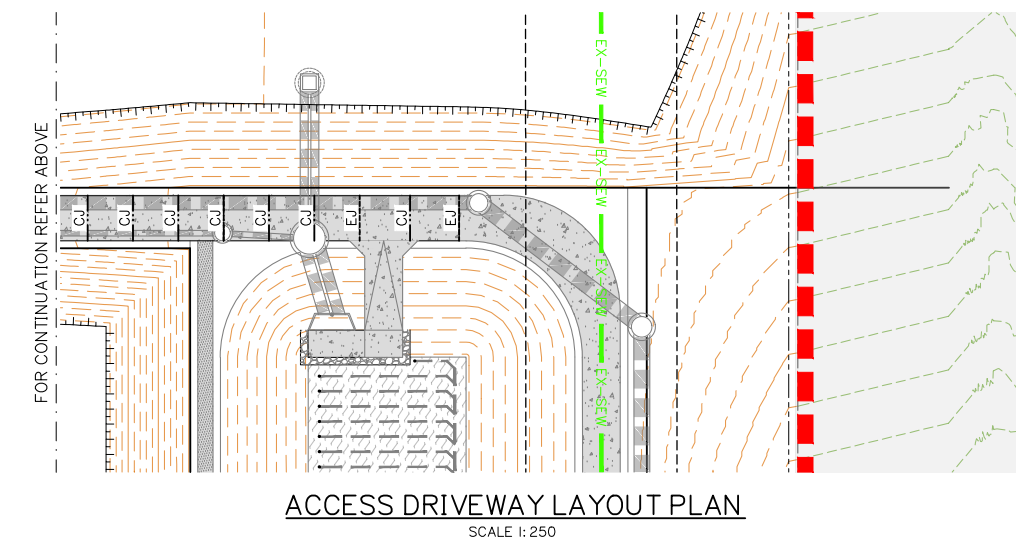
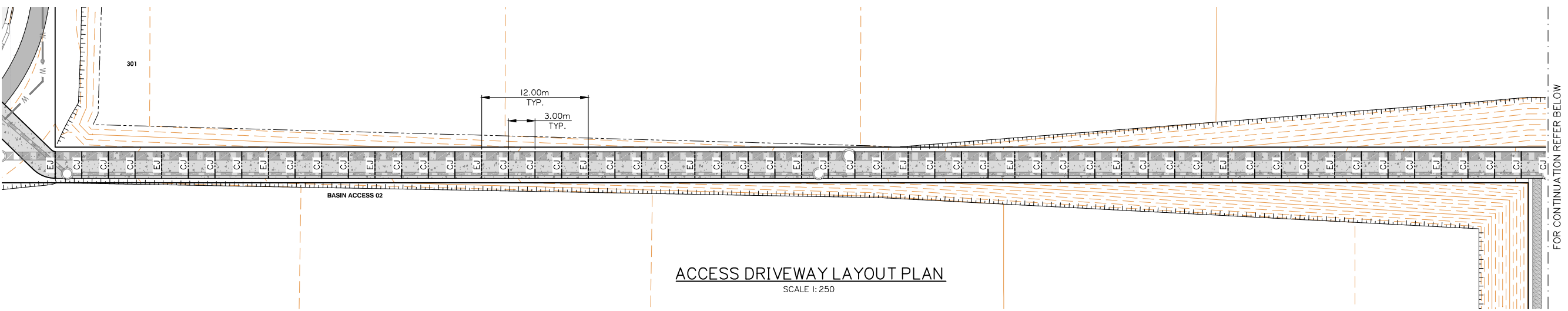


PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

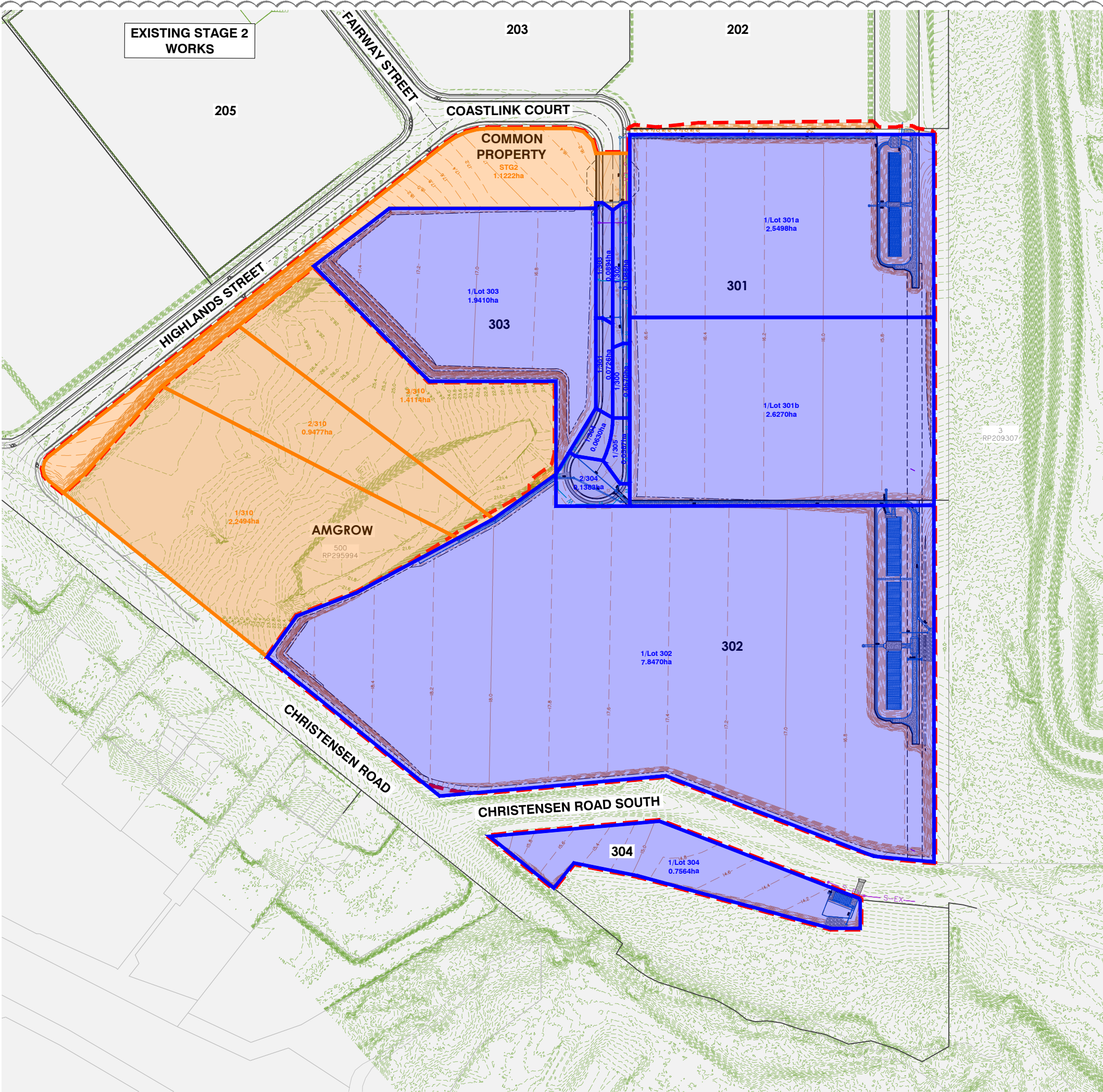
Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
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Scheme, Local Laws and Planning Policies



Rev	Date	Description	DRN	CHK
E	11/04/25	VXO UPDATED	JH	MG
D	11/11/22	SWD & BASIN 2 UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	LAYOUT UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG



STORMWATER CATCHMENT TABLE

CATCHMENT	AREA (ha)
1/300	0.0570
1/301	0.0703
1/302	0.1088
1/303	0.0894
1/304	0.0630
2/304	0.1383
1/305	0.0578
1/310	2.2494
2/310	0.9477
3/310	1.4114
1/Lot301a	2.5498
1/Lot301b	2.6270
1/Lot302	7.8470
1/Lot303	1.9410
1/Lot304	0.7564
STG2	1.1222



planning | environment | landscape | engineering | survey
T: 3807 3333 | F: 3287 5481 | www.gassman.com.au
Gold Coast | 76 Business Street, Yatala QLD | PO Box 362, Beenleigh 4207

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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CONSTRUCTION

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Drawing Title:

STORMWATER DRAINAGE
CATCHMENT PLAN

Rev	Date	Description	DRN	CHK
I	11/04/25	SWD MANHOLE ADDED	JH	MG
H	11/04/25	LAYOUT UPDATED	JH	MG
G	26/03/25	STORMWATER LINE UPDATED	JH	MG
F	21/03/25	SEWER LINE UPDATED	JH	MG
E	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
D	11/12/24	SWD & BASIN 2 UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	LAYOUT UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 25 50 75 100m
1:1250 (A1) 1:2500 (A3)

PROJECT NORTH POINT



Project No. 5941	
Designed: JH	Drafted: JH
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No: 5941 ENG CW3 500	Revision: I

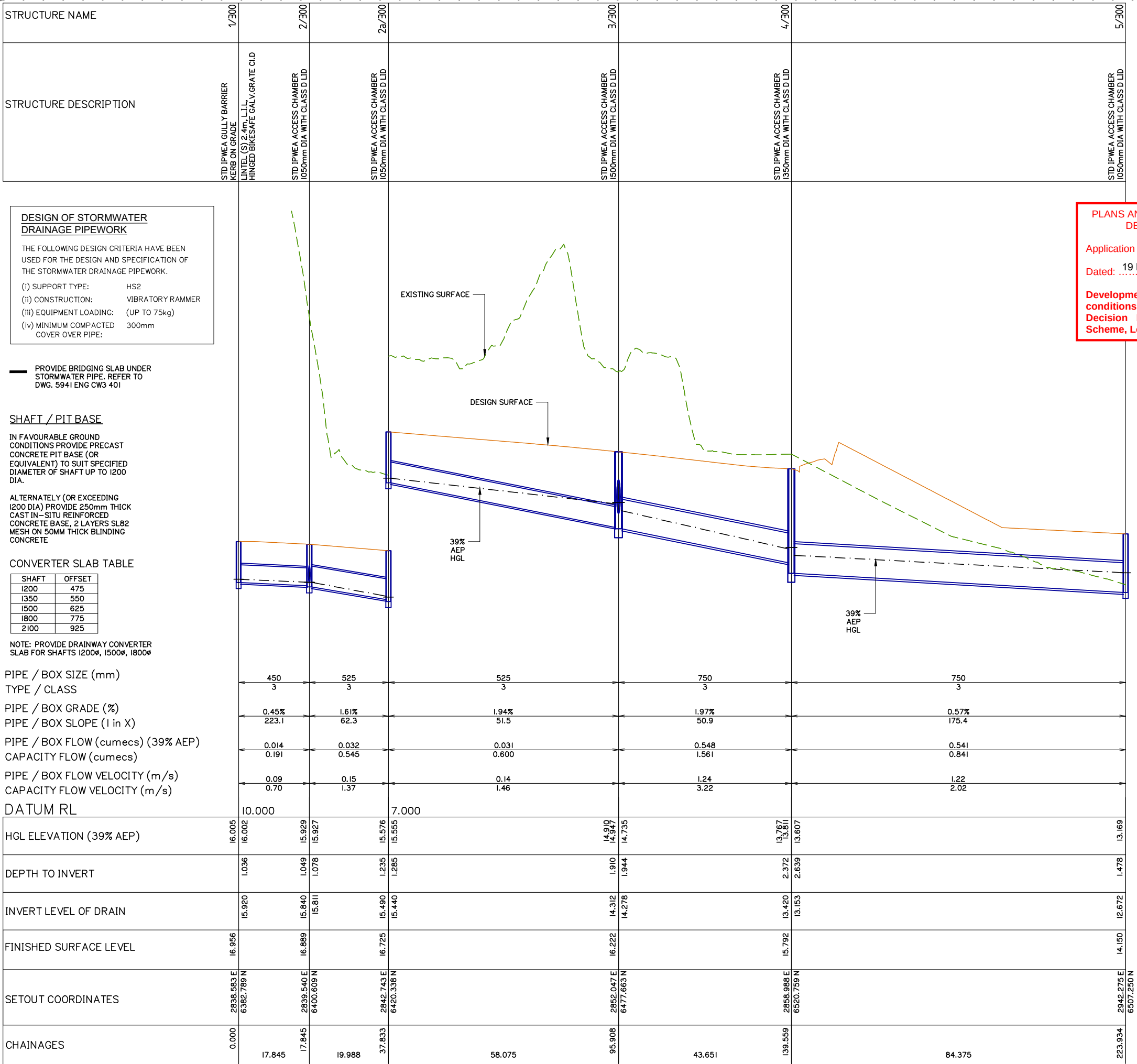
PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

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LINE300

STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 6

Client:



Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian: PSM:
RL:

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Drawing Title:

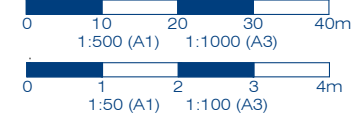
STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 1 OF 6

H	17/03/26	LONG SECTIONS UPDATED	JH	MG
G	11/04/25	LONG SECTIONS UPDATED	JH	MG
F	11/04/25	LONG SECTIONS UPDATED	JH	MG
E	26/03/25	LINE 300, 301 & 302 UPDATED	JH	MG
D	05/03/25	LONG SECTIONS UPDATED	JH	MG
C	11/12/24	LONG SECTIONS UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

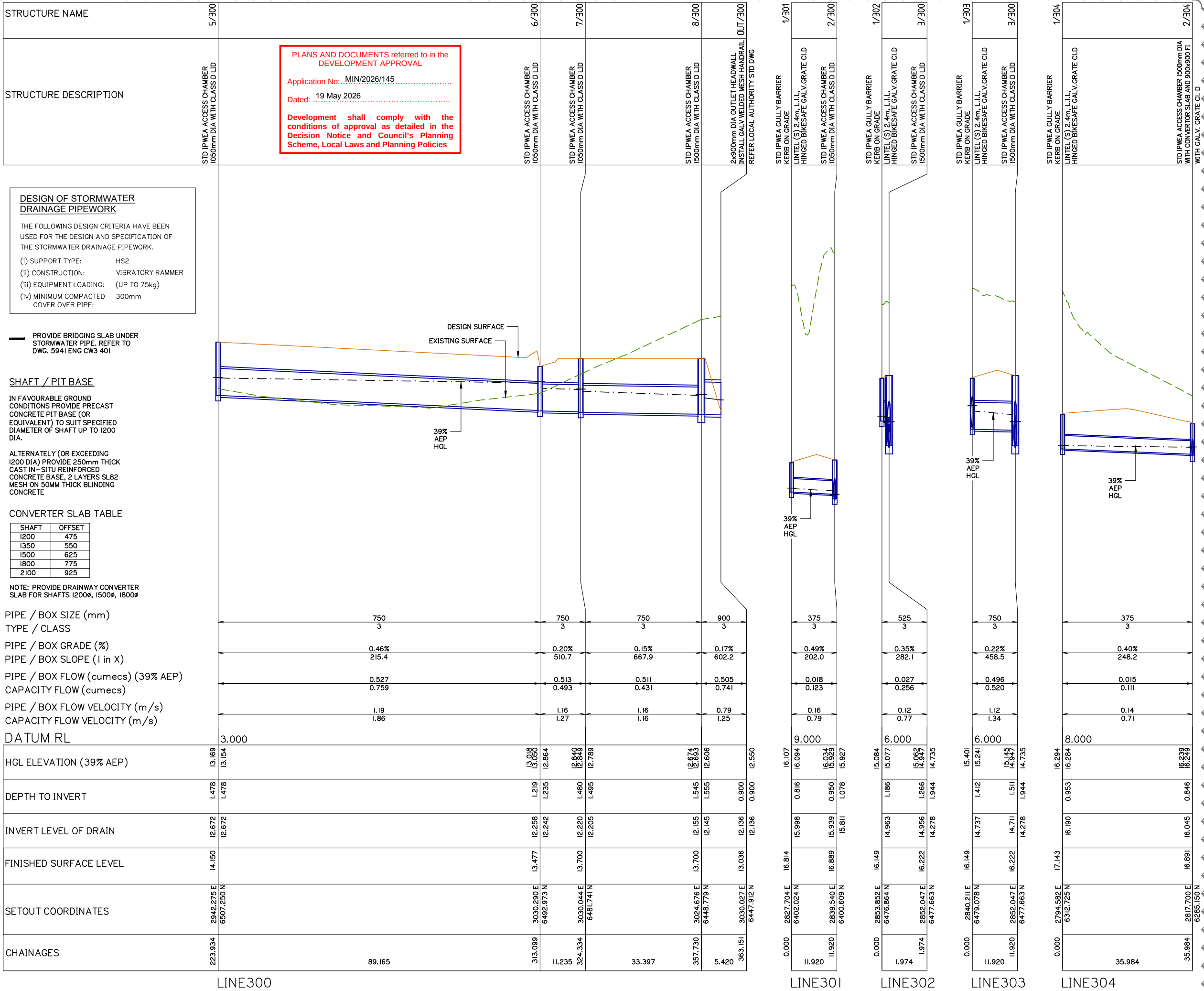
Scale:



PROJECT NORTH POINT

Project No: 5941	
Designed: JH	Drafted: ML
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No:	Revision
5941 ENG CW3 510	H

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STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2 OF 6

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian: PSM:
RL:

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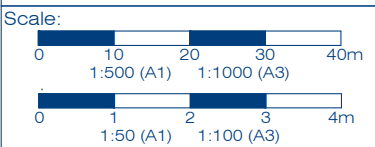
Drawing Title:

STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 2 OF 6

Rev	Date	Description	DRN	CHK
I	17/03/26	LONG SECTIONS UPDATED	JH	MG
H	11/04/25	LONG SECTIONS UPDATED	JH	MG
G	11/04/25	LONG SECTIONS UPDATED	JH	MG
F	26/03/25	LINE 300, 301 & 302 UPDATED	JH	MG
E	05/03/25	LONG SECTIONS UPDATED	JH	MG
D	11/12/24	LONG SECTIONS UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/02/24	NOTE AMENDED	JH	MG
A	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

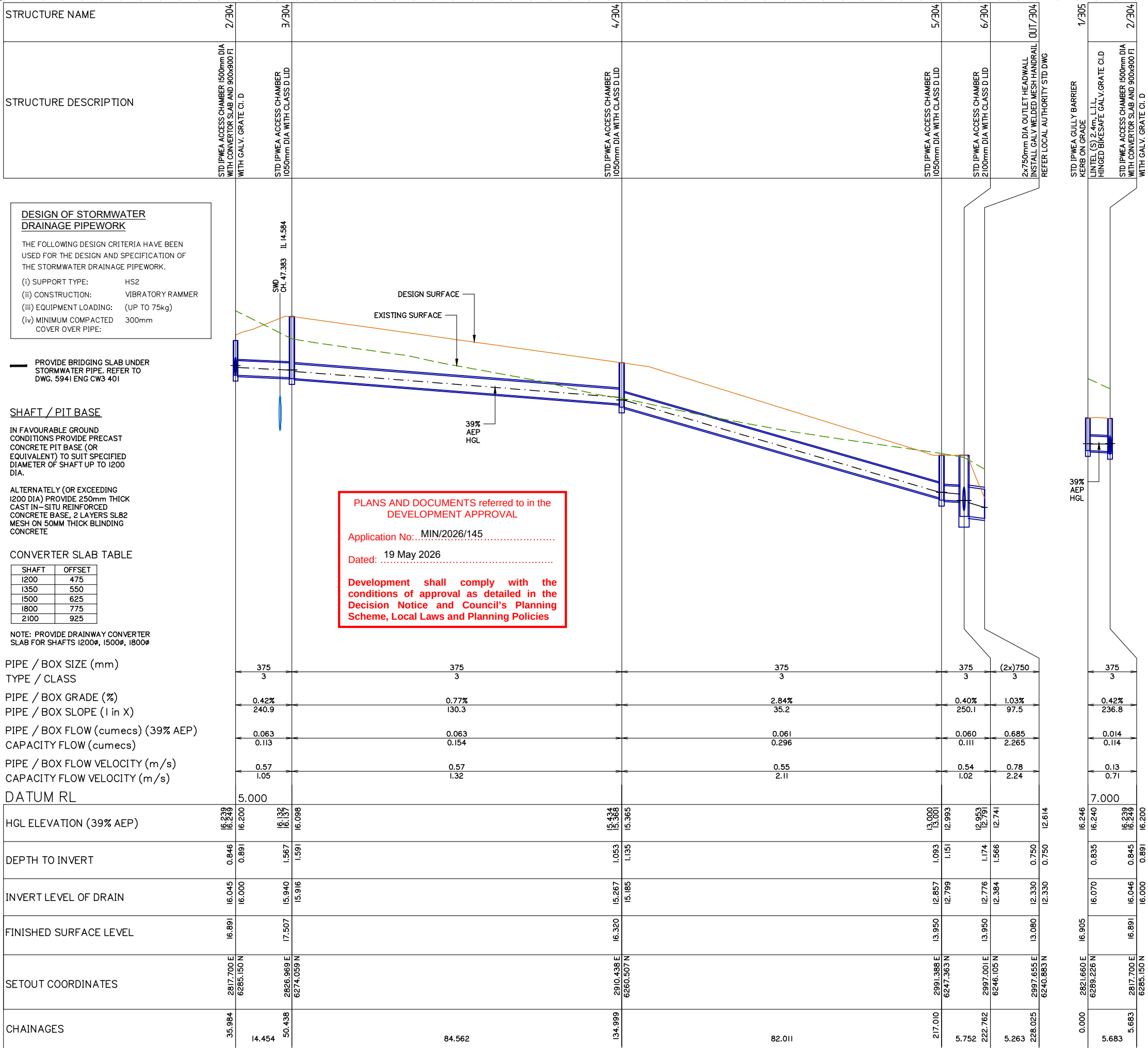
A1 UNREDUCED
A3 REDUCED



PROJECT NORTH POINT

Project No:	5941
Designed:	JH
Drafted:	ML
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No:	5941 ENG CW3 511
Revision	I

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Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
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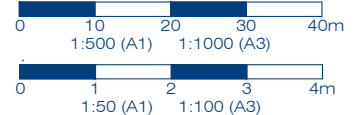
STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 3 OF 6

F	17/03/26	LONG SECTIONS UPDATED	JH	MG
E	11/04/25	LONG SECTIONS UPDATED	JH	MG
D	11/12/24	LONG SECTIONS UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	NOTE AMENDED	JH	MG
B	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

Scale:



PROJECT NORTH POINT

Project No: 5941

Designed: JH

Drafted: ML

Approved:

MG

RPEQ

16939

Signed:

Date:

28/09/2023

Drawing No:

Revision

5941 ENG CW3 512

F

**PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL**

Application No: MIN/2026/145

Dated: 19 May 2026

**Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies**

Project:

VANTAGE YATALA STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

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Drawing Title:

STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 5 OF 6

F	17/03/26	LONG SECTIONS UPDATED	JH	MG
E	11/04/25	LONG SECTIONS UPDATED	JH	MG
D	11/12/24	LONG SECTIONS UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	NOTE AMENDED	JH	MG
B	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

Scale:

0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

0 1 2 3 4m
1:50 (A1) 1:100 (A3)

PROJECT NORTH POINT

Project No. 5941

Designed: JH	Drafted: ML
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No:	Revision
5941 ENG CW3 514	F

[illegible]

LINE310

LINELot 301a LINELot 301b LINELot 302

STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 5 OF 6

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STRUCTURE NAME	1/LOT 303		1/303
STRUCTURE DESCRIPTION	STD IPWEA ACCESS CHAMBER 1500mm DIA WITH CONVERTOR SLAB AND 900x900 FI WITH GALV. GRATE Cl. D	STD IPWEA GULLY BARRIER KERB ON GRADE LINTEL (S) 2.4m L.L.L. HINGED BIKESAFE GALV. GRATE Cl.D	STD IPWEA ACCESS CHAMBER 1500mm DIA WITH CONVERTOR SLAB AND 900x900 FI WITH GALV. GRATE Cl. D

DESIGN OF STORMWATER DRAINAGE PIPEWORK

THE FOLLOWING DESIGN CRITERIA HAVE BEEN USED FOR THE DESIGN AND SPECIFICATION OF THE STORMWATER DRAINAGE PIPEWORK.

- (i) SUPPORT TYPE: HS2
(ii) CONSTRUCTION: VIBRATORY RAMMER
(iii) EQUIPMENT LOADING: (UP TO 75kg)
(iv) MINIMUM COMPACTED COVER OVER PIPE: 300mm

PROVIDE BRIDGING SLAB UNDER STORMWATER PIPE. REFER TO DWG. 5941 ENG CW3 401

SHAFT / PIT BASE

IN FAVOURABLE GROUND CONDITIONS PROVIDE PRECAST CONCRETE PIT BASE (OR EQUIVALENT) TO SUIT SPECIFIED DIAMETER OF SHAFT UP TO 1200 DIA.

ALTERNATELY (OR EXCEEDING 1200 DIA) PROVIDE 250mm THICK CAST IN-SITU REINFORCED CONCRETE BASE, 2 LAYERS SLB2 MESH ON 50MM THICK BLINDING CONCRETE

CONVERTER SLAB TABLE

SHAFT	OFFSET
1200	475
1350	550
1500	625
1800	775
2100	925

NOTE: PROVIDE DRAINWAY CONVERTER SLAB FOR SHAFTS 1200ø, 1500ø, 1800ø

PIPE / BOX SIZE (mm)

TYPE / CLASS

PIPE / BOX GRADE (%)

PIPE / BOX SLOPE (1 in X)

PIPE / BOX FLOW (cumecs) (39% AEP)

CAPACITY FLOW (cumecs)

PIPE / BOX FLOW VELOCITY (m/s)

CAPACITY FLOW VELOCITY (m/s)

DATUM RL

HGL ELEVATION (39% AEP)

DEPTH TO INVERT

INVERT LEVEL OF DRAIN

FINISHED SURFACE LEVEL

SETOUT COORDINATES

CHAINAGES

EXISTING SURFACE

DESIGN SURFACE

39% AEP HGL

39% AEP HGL

LINE Lot 303 LINE Lot 503

STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 6 OF 6

Client:



Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian: PSM:
RL:

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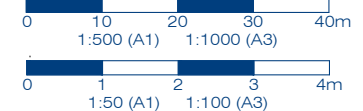
Drawing Title:

STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 6 OF 6

F	17/03/26	LONG SECTIONS UPDATED	JH	MG
E	11/04/25	LONG SECTIONS UPDATED	JH	MG
D	11/12/24	LONG SECTIONS UPDATED	JH	MG
C	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	NOTE AMENDED	JH	MG
B	06/11/23	SECTION UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE
CULVERT AND PIPE SIZES IN MILLIMETRES
A1 UNREDUCED
A3 REDUCED

Scale:



PROJECT NORTH POINT

Project No.	5941
Designed: JH	Drafted: ML
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No:	Revision
5941 ENG CW3 515	F

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

g:\Projects\594\Engineering\Acadmic\work stage 3\Current\5941 ENG CW3 550.dwg

LOCATION					TIME		SUB-CATCHMENT RUNOFF						INLET DESIGN										DRAIN DESIGN										HEADLOSSES										PART FULL		DESIGN LEVELS											
DESIGN ARI	STRUCTURE No.	DRAIN SECTION	SUB-CATCHMENTS CONTRIBUTING	LAND USE	% SLOPE OF CATCHMENT	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	10yr RUNOFF CO-EFFICIENT	CO-EFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUM OF (C*A)	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD GRADE AT INLET	MINOR FLOW ROAD CAPACITY	INLET TYPE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C*A)	MAJOR TOTAL FLOW	MAJOR SURFACE FLOW CAPACITY	MAJOR SURFACE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE/BOX DIMENSIONS (CLASS)	FLOW VELOCITY FULL (PIPE GRADE VELOCITY)	TIME OF FLOW IN REACH	STRUCTURE CHART No.	STRUCTURE RATIOS FOR 'K' VALUE CALCULATIONS	V2/2g	Ku	U/S HEADLOSS COEFFICIENT	U/S PIPE STRUCTURE HEADLOSS	LAT. HEADLOSS CO-EFFICIENT	LAT. PIPE STRUCTURE HEADLOSS	W.S.E CO-EFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE	PIPE FRICTION HEADLOSS (F=50)	DEPTH	VELOCITY	PIPE U/S LL	PIPE D/S LL	PIPE U/S H.G.L	PIPE D/S H.G.L	W.S.E	SURFACE OF K&C INVERT LEVEL	STRUCTURE No.			
YRS						min	mm/h			ha	ha	ha	l/s	l/s	%	l/s		l/s	l/s		min.	mm/h	ha	l/s	l/s	l/s	l/s	m	%	mm	m/s	min.				m							m	m/s	m	m	m	m	m	m	m	m	m	m		
2	100	1/300	1/300 to 2/300			5	0.054	0.054	202	124	0.048	14	41	41	0	0			0		5	124	0.041	14	5			17.85	0.36	450	3	172.0	1.032	1/300	0	7	0.003				0.003	0.4	0.066	0.087	0.65	15.8	15.75	15.9	15.83	15.9	15.83	16.19	16.21	16.96	1/300	
2	100	2/300	2/300 to 2a/300																	5.15	123	0.092	32	28			19.99	0.78	525	3	379.0	4.927	2/300	0.001	2.21	0.002	2.51			0.003	0.84	0.152	0.102	1.06	15.7	15.51	15.78	15.62	15.79	16.89	2/300					
2	100	2a/300	2a/300 to 3/300																	5.32	123	0.092	31	28			58.08	2	525	3	608.0	20.27	2a/300	0.001	0.2	0				0	1.14	0.704	0.081	1.48	15.5	14.31	15.59	14.92	15.59	16.73	2a/300					
2	100	3/300	3/300 to 4/300																	5.18	123	1.602	548	8574			43.65	2	750	3	1575.0	52.5	3/300	0.079	2.23	0.175	2.7			0.212	2.2	0.828	0.305	3.24	14.3	13.42	14.75	13.79	14.96	16.22	3/300					
2	100	4/300	4/300 to 5/300																	5.55	122	1.602	541	8436			84.38	0.5	750	3	788.0	6.567	4/300	0.077	2.09	0.16	2.66			0.204	0.5	0.422	0.457	1.92	13.2	12.75	13.63	13.21	13.83	15.79	4/300					
2	100	5/300	5/300 to 6/300																	6.25	118	1.602	527	8171			89.17	0.5	750	3	788.0	6.567	5/300	0.073	0.2	0.015				0.015	0.16	0.252	0.449	1.91	12.7	12.29	13.18	13.04	13.19	14.15	14.15	5/300				
2	100	6/300	6/300 to 7/300																	6.99	115	1.602	513	7889			11.24	0.15	750	3	431.0	1.078	6/300	0.069	2.24	0.154	2.7			0.186	0.23	0.024	0.75	1.16	12.3	12.25	12.89	12.86	13.07	13.48	6/300					
2	100	7/300	7/300 to 8/300																	7.09	115	1.602	511	7858			33.4	0.15	750	3	431.0	1.078	7/300	0.068	0.75	0.051	0.88			0.06	0.35	0.089	0.75	1.16	12.2	12.18	12.81	12.69	12.87	13.7	7/300					
2	100	8/300	8/300 to OUT/300																	7.37	114	1.602	505	7751			5.42	0.12	900	3	630.0	1.26	8/300	0.032	2.09	0.067	2.7			0.087	1.09	0.017	0.612	1.1	12.2	12.15	12.63	12.57	12.71	13.01	13.7	8/300				
2	100	OUT/300																															OUT/300															12.57	12.87	13.05	OUT/300					
2	100	1/301	1/301 to 2/300			5	0.069	0.069	202	124	0.052	18	52	52	0	0		0		5	124	0.052	18	9			11.92	0.4	375	3	111.0	0.74	1/301	0.001	9.7	0.013				0.013	0.46	0.049	0.102	0.74	15.8	15.74	15.89	15.84	15.9	16.81	1/301					
2	100	1/302	1/302 to 3/300			5	0.103	0.103	202	124	0.077	27	79	79	0	0		0		5	124	0.077	27	20			1.974	0.35	525	3	256.0	1.493	1/302	0.001	9.7	0.007				0.007	0.73	0.008	0.114	0.77	15.0	14.96	15.08	15.06	15.08	16.15	1/302					
2	100	1/303	1/303 to 3/300			5	0.085	0.085	202	124	0.064	22	65	65	0	0		0		5.08	124	1.443	496	6989			11.92	0.15	750	3	431.0	1.078	1/303	0.064	2.16	0.139	2.5			0.161	0.85	0.041	0.75	1.12	14.7	14.71	15.25	15.14	15.41	16.15	1/303					
2	100	1/304	1/304 to 2/304			5	0.06	0.06	202	124	0.045	15	46	46	0	0		0		5	124	0.045	15	7			35.98	0.4	375	3	111.0	0.74	1/304	0.001	9.7	0.01				0.01	0.05	0.04	0.094	0.71	16.2	16.05	16.29	16.27	16.3	17.14	1/304					
2	100	2/304	2/304 to 3/304			5	0.131	0.131	202	124	0.098	34	100	100	0	0		0		5.3	123	0.185	63	114			14.45	0.4	375	3	111.0	0.74	2/304	0.017	2.33	0.039	2.94			0.049	0.45	0.06	0.203	1.04	16.0	15.98	16.24	16.17	16.29	16.89	2/304					
2	100	3/304	3/304 to 4/304																	5.42	122	0.185	63	114			84.56	0.79	375	3	156.0	2.054	3/304	0.017	2.02	0.033	2.35			0.039	0.81	0.665	0.166	1.34	16.0	15.29	16.14	15.45	16.18	17.51	3/304					
2	100	4/304	4/304 to 5/304																	6.12	119	0.185	61	110			82.01	2.9	375	3	299.0	14.45	4/304	0.016	0.2	0.003				0.003	2.9	2.379	0.115	2.13	15.2	12.84	15.4	13.02	15.56	15.4	13.02	15.56	16.32	4/304		
2	100	5/304	5/304 to 6/304																	6.81	116	0.185	60	106			5.752	0.4	375	3	111.0	0.74	5/304	0.015	0.43	0.006	0.49			0.007	0.69	0.026	0.196	1.02	12.8	12.8	13.02	12.98	13.02							

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LOCATION					TIME		SUB-CATCHMENT RUNOFF						INLET DESIGN										DRAIN DESIGN										HEADLOSSES										PART FULL		DESIGN LEVELS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
DESIGN ARI	STRUCTURE No.	DRAIN SECTION	SUB-CATCHMENTS CONTRIBUTING	LAND USE	% SLOPE OF CATCHMENT	SUB-CATCHMENT TIME OF CONCENTRATION	I	C10	C	A	C*A	+CA	Q				Qg	Qb		tc	I	+CA	Qt	Qm	Qs	Qp	L	S		V	T	STRUCTURE CHART No.	STRUCTURE RATIOS FOR 'K' VALUE CALCULATIONS	V2/2g	Ku	h _u	U/S PIPE STRUCTURE HEADLOSS CO-EFFICIENT	LAT. HEADLOSS CO-EFFICIENT	LAT. PIPE STRUCTURE HEADLOSS	W.S.E CO-EFFICIENT	CHANGE IN W.S.E	sF	HF		vP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</



planning | environment | landscape | engineering | survey
T: 9807 3533 | F: 3287 5461 | www.gassman.com.au
Gold Coast | 75 Business Street, Yatala QLD | PO Box 362, Beenleigh 4207

Client:



FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

ISSUED FOR
CONSTRUCTION

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THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR.
ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES.

Drawing Title:

STORMWATER DRAINAGE
CALCULATION TABLE
SHEET 2 OF 2

H	17/03/26	TABLES UPDATED	JH	MG
G	11/04/25	TABLES UPDATED	JH	MG
F	11/04/25	CALC TABLES UPDATED	JH	MG
E	26/03/25	CALC TABLES UPDATED	JH	MG
D	05/03/25	CALC TABLE UPDATED	JH	MG
C	11/12/24	TABLE UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	06/11/23	TABLE UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

Scale:

PROJECT NORTH POINT

Project No:	5941	
Designed:	JH	Drafted: JH
Approved:		MG
RPEQ		16939
Signed:		
Date:		28/09/2023
Drawing No:	5941 ENG CW3 551	Revision H

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

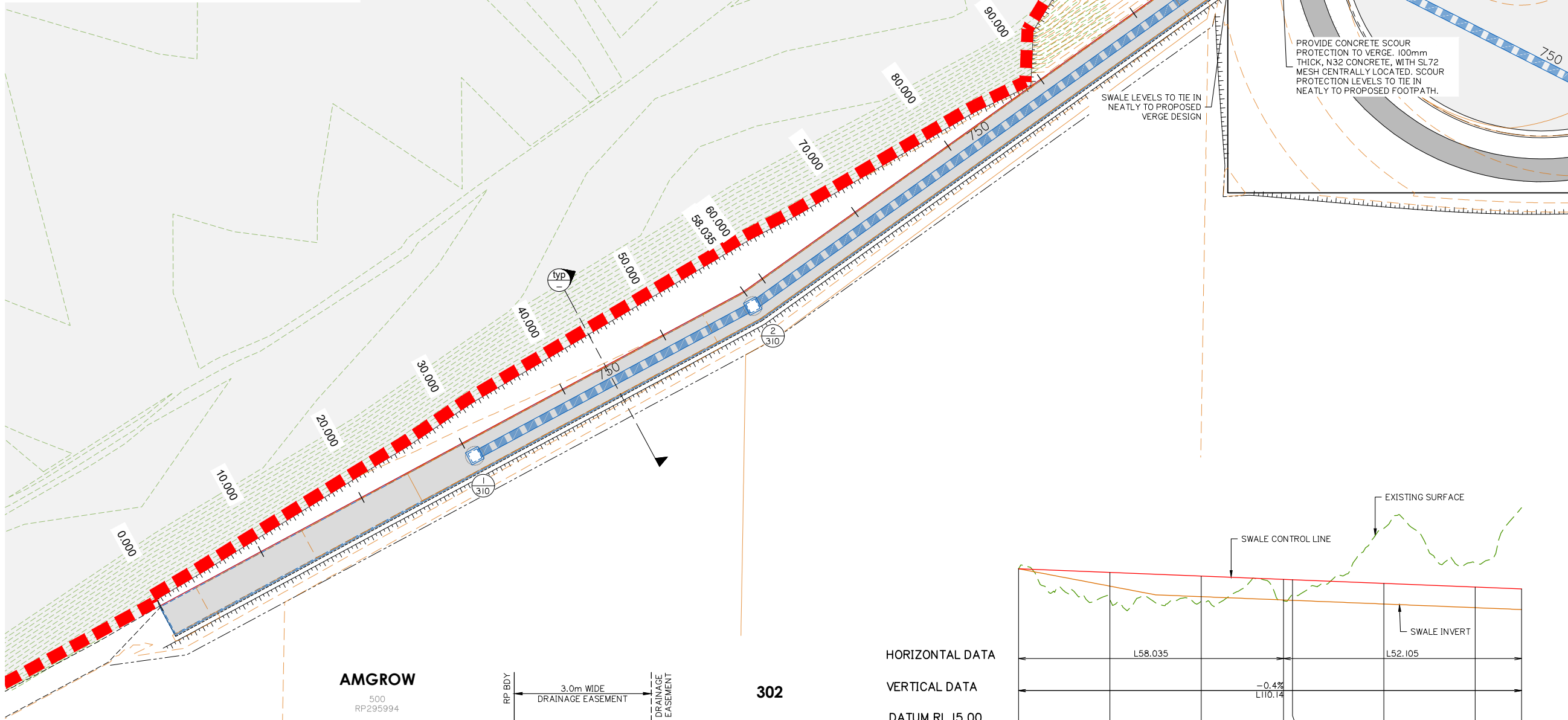
Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

SWALE CL SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	2678.027	6260.605	18.467	70°55'32.00"
	10.000	2687.478	6263.873	18.426	70°55'32.00"
	20.000	2696.929	6267.141	18.386	70°55'32.00"
	30.000	2706.380	6270.409	18.346	70°55'32.00"
	40.000	2715.831	6273.677	18.306	70°55'32.00"
IP 2	50.000	2725.282	6276.945	18.266	70°55'32.00"
	58.035	2732.876	6279.571	18.233	
	60.000	2734.637	6280.443	18.226	63°40'02.00"
	70.000	2743.599	6284.878	18.185	63°40'02.00"
	80.000	2752.562	6289.314	18.145	63°40'02.00"
IP 3	90.000	2761.524	6293.750	18.105	63°40'02.00"
	100.000	2770.486	6298.186	18.065	63°40'02.00"
	110.000	2779.449	6302.622	18.025	63°40'02.00"
	110.140	2779.574	6302.684	18.024	63°40'02.00"



HORIZONTAL DATA

VERTICAL DATA

DATUM RL 15.00

CHAINAGE	CONTROL LINE FINISHED LEVEL	SWALE INVERT	EXISTING SURFACE LEVEL	CONTROL LINE CHAINAGES
0.000	18.467	18.467	18.467	
20.000	18.386	18.086	17.787	
40.000	18.306	17.856	17.753	
58.035	18.233	17.783	17.765	
60.000	18.226	17.776	17.694	
80.000	18.145	17.695	19.353	
100.000	18.065	17.615	18.587	
110.140	18.024	17.574	19.802	

SWALE – LONGITUDINAL SECTION

A1 HORIZ SCALE 1:500
A1 VERT SCALE 1:50

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies



planning | environment | landscape | engineering | survey
T: 3607 3333 | F: 3287 5481 | www.gassman.com.au
Gold Coast | 76 Business Street, Yatala QLD | PO Box 392, Beenleigh 4207

Client:



FPI QUEENSLAND PTY. LTD.

Project:

VANTAGE YATALA STAGE 3

Site Address:

LOT 504 HOMESTEAD DRIVE, STAPYLTON QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian: PSM
RL:

ISSUED FOR CONSTRUCTION

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THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES.

Drawing Title:

SWALE LAYOUT AND DETAILS PLAN

Rev	Date	Description	JH	MG
C	11/04/25	SWALE UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/02/24	FOOTPATH AMENDED	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. A1 UNREDUCED A3 REDUCED

Scale: 0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

[Signature]

Date:

28/09/2023

Drawing No:

Revision

5941 ENG CW3 560

C

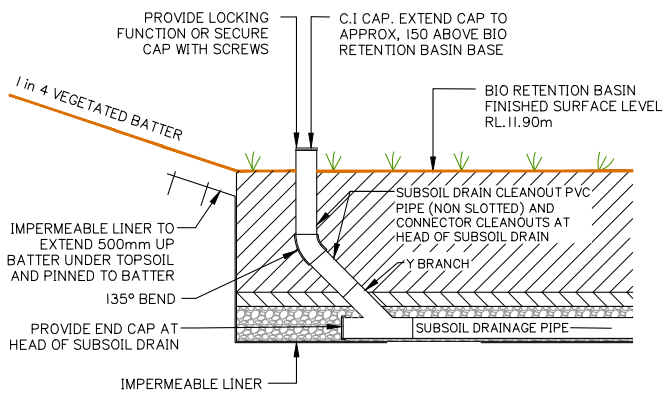
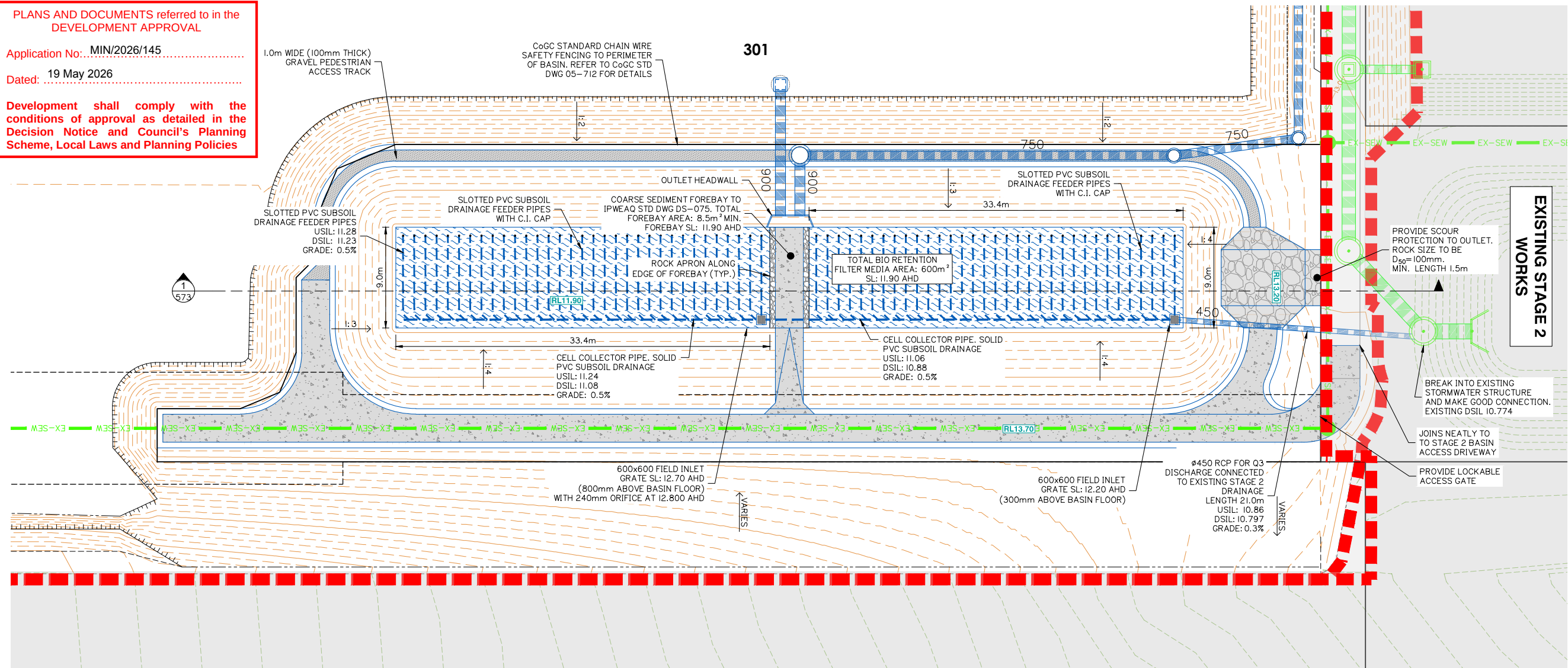
SWALE LAYOUT AND DETAILS PLAN

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies



SUBSOIL DRAIN CLEANOUT – IN BASIN
NOT TO SCALE

WATER SURFACE LEVEL TABLE

EVENT (ARI)	LEVEL (AHD)
Q1	12.871
Q2	12.984
Q5	13.099
Q10	13.148
Q20	13.260
Q50	13.341
Q100	13.388

BIO RETENTION I – COARSE SEDIMENT FOREBAY SIZING GUIDE CALCULATIONS

$$V_s = A_c \times R \times L_o \times F = 2.525 \text{ m}^3$$
$$R = 1 - \left[1 + \frac{1}{n} \times \frac{V_s}{0.7 A_f} \right]^{-n}$$
$$0.8 = 1 - \left[1 + \frac{0.10}{0.5 \times 0.30 / A_f} \right]^{-0.5} \quad A_f = 36 \text{ m}^2$$
$$D_s = \frac{V_s}{A_f} \quad D_s = \frac{2.5248}{36.00} = 0.070 \text{ m}$$

OPTIMIZATION OF MINIMUM FOREBAY SIZE:

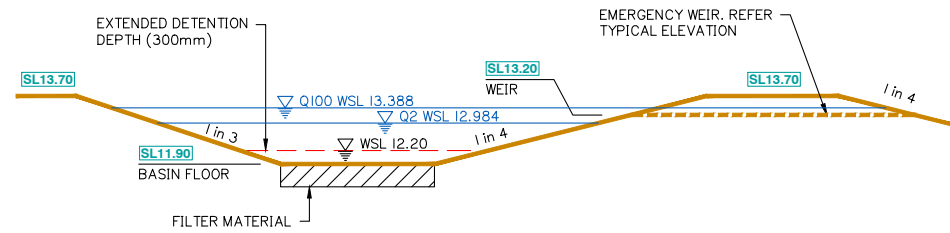
$$D_s = 0.3 \text{ m} \quad A_f = \frac{2.5248 \text{ m}^3}{0.3} = 8.419 \text{ m}^2$$

CALCULATED FOR 1 FOREBAY AT 8.419m².

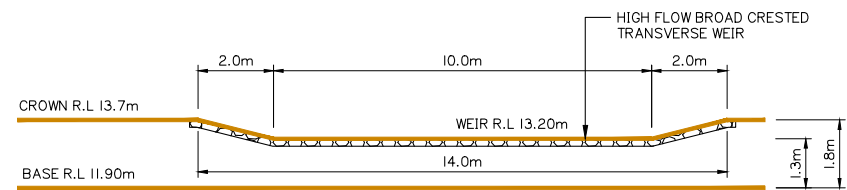
$V_s = 2.5248 \text{ m}^3$ (Works Above)
 $A_c = 5.263 \text{ ha}$ (Refer Catchment Plans)
UNMITIGATED POST-DEVELOPMENT FLOW
 $Q = 0.3 \text{ m}^3/\text{s}$ (3 month ARI)
 $V_s = 0.1 \text{ m/s}$ (Recommended for Imm Particle)
 $R = 0.8$ (Recommended 80% Capture)
 $L_o = 0.6$ (From Healthy Waterways Guide)
 $n = 0.5$ (Recommended Turbulence)
 $F_c = 1.0$ (Frequency of Clean Out / Yr)

REFER TO BIO RETENTION TECHNICAL DESIGN GUIDELINES FOR FURTHER INFORMATION

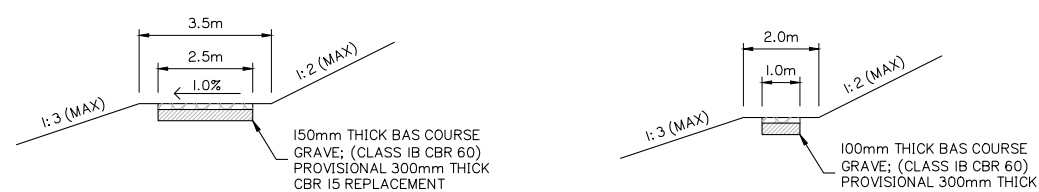
NOTE:
1. FOR GENERAL DRAWING LEGENDS, REFER TO SHEET 004
2. FOR GENERAL NOTES, REFER TO SHEETS 002 AND 003



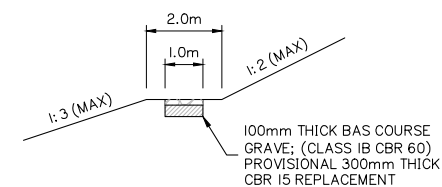
BASIN I PROFILE
NOT TO SCALE



BASIN I EMERGENCY WEIR ELEVATION
SCALE 1:100



TYPICAL SECTION
MAINTENANCE ACCESS TRACK FOR VEHICLES
SCALE 1:100



TYPICAL SECTION
MAINTENANCE ACCESS TRACK FOR PEDESTRIANS
SCALE 1:100

TYPICAL BIO-RETENTION BASIN DETAIL
N.T.S

OPERATIONAL PHASE BIO RETENTION BASIN I LAYOUT PLAN

Client:



Project: VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
RL:

ISSUED FOR
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Drawing Title:

OPERATIONAL PHASE
BIO RETENTION BASIN 1
LAYOUT PLAN

Rev	Date	Description	DRN	CHK
D	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
D	08/02/24	FOREBAY DETAILS ADDED	JH	MG
C	08/01/24	NOTES ADDED	JH	MG
B	06/11/23	LAYOUT UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 4 8 12 16m
1:200 (A1) 1:400 (A3)

PROJECT NORTH POINT



Project No: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

Date:

28/09/2023

Drawing No:

Revision

5941 ENG CW3 570

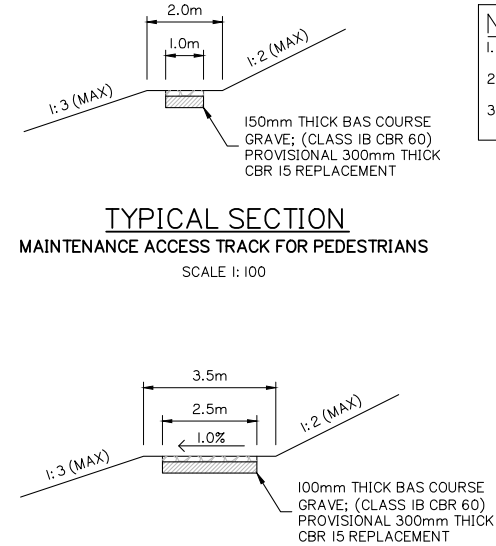
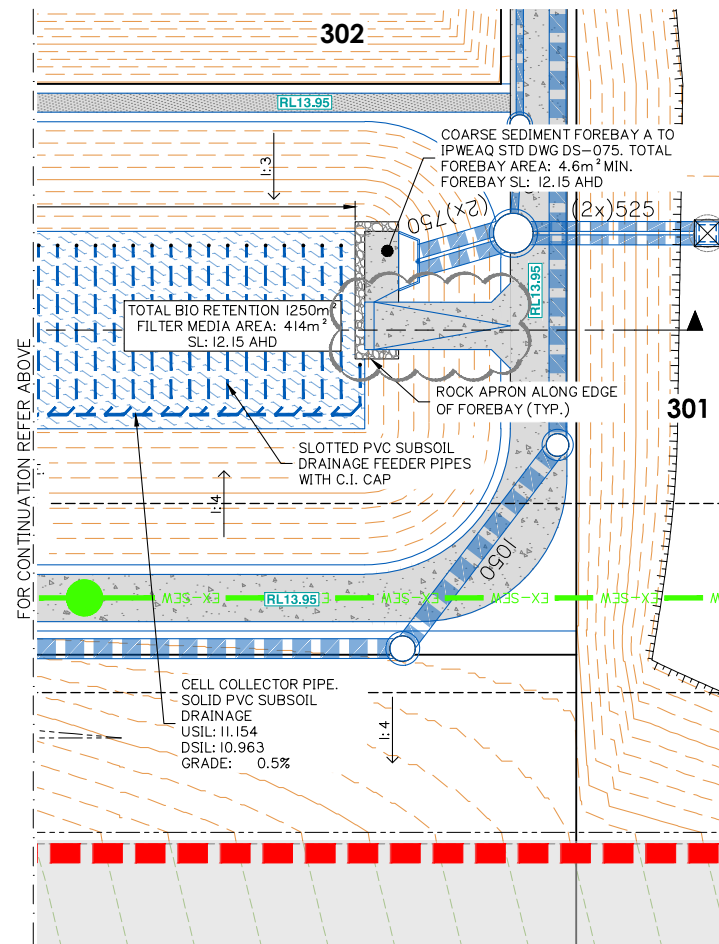
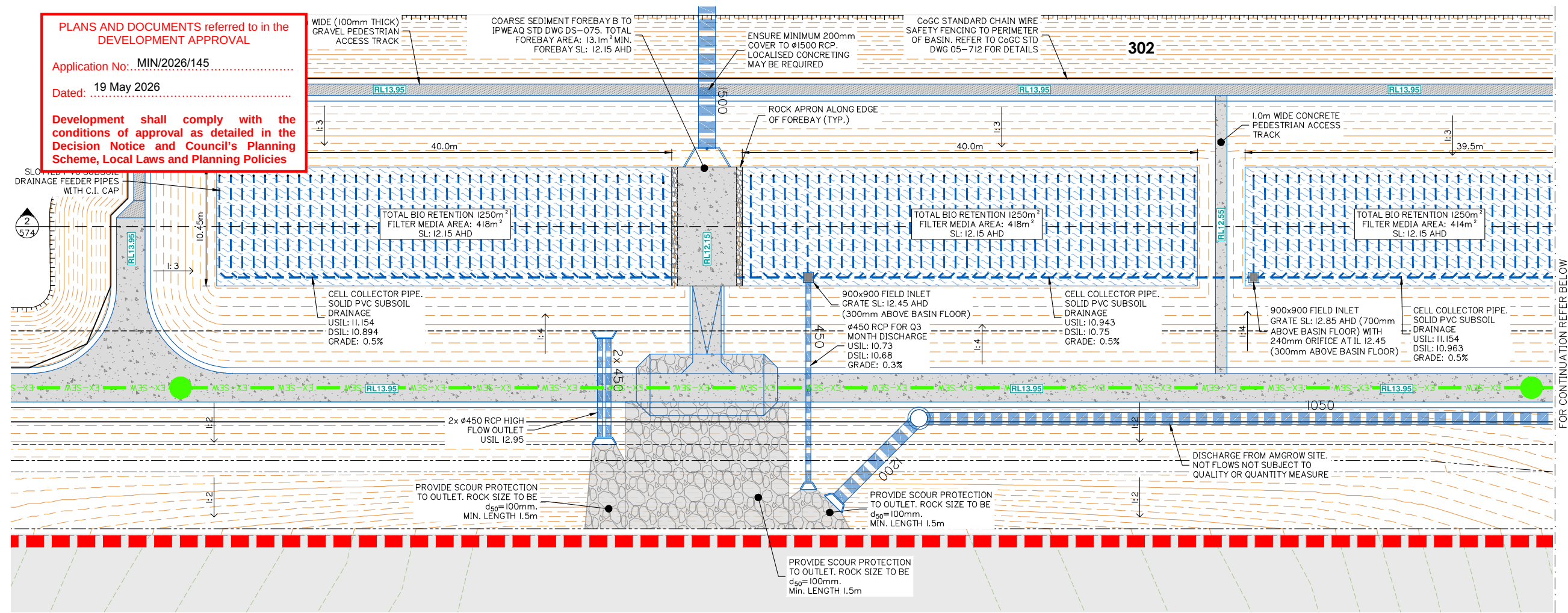
D

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

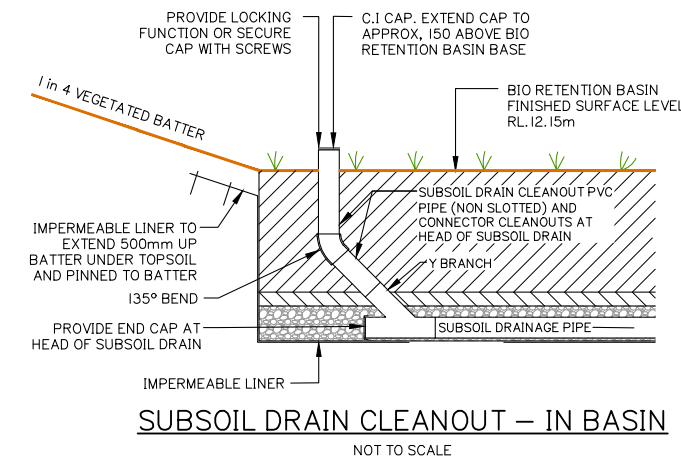
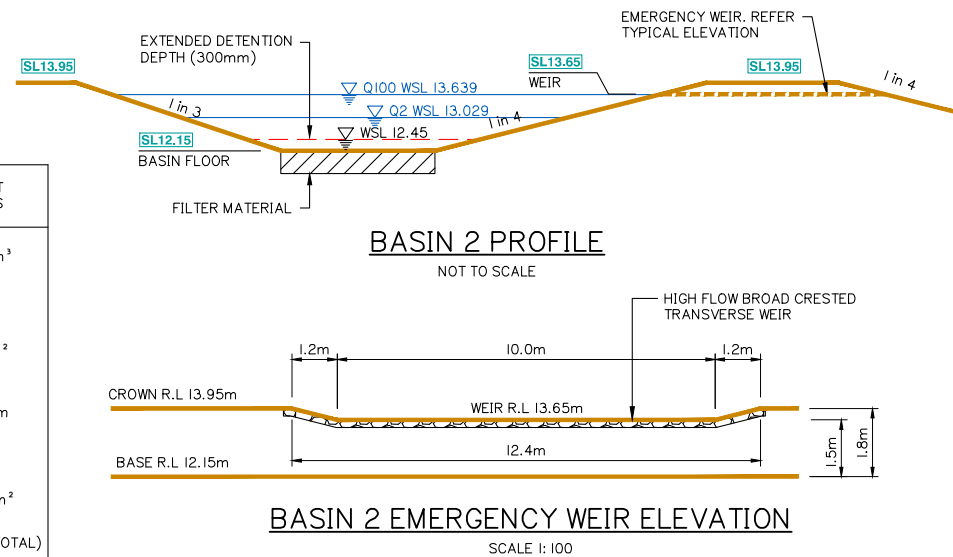


TYPICAL SECTION
MAINTENANCE ACCESS TRACK FOR VEHICLES
SCALE 1:100

WATER SURFACE LEVEL TABLE	
EVENT (ARI)	LEVEL (AHD)
Q1	13.882
Q2	13.029
Q5	13.175
Q10	13.283
Q20	13.390
Q50	13.530
Q100	13.639

NOTE:
1. FOR GENERAL DRAWING LEGENDS, REFER TO SHEET 004
2. FOR GENERAL NOTES, REFER TO SHEETS 002 AND 003
3. REFER TO DWG 570 FOR TYPICAL FILTER MEDIA DETAILS

BIO RETENTION 2 - COARSE SEDIMENT FOREBAY SIZING GUIDE CALCULATIONS	
$V_s = A_c \times R \times L_0 \times F$	$= 5.286 \text{ m}^3$
$R = 1 - \left[1 + \frac{1}{n} \times \frac{V_s}{Q/A_s} \right]^{-n}$	
$0.8 = 1 - \left[1 + \frac{1}{0.5} \times \frac{0.10}{0.30/A_s} \right]^{-0.5}$	$A_f = 75.6 \text{ m}^2$
$D_s = \frac{V_s}{A_f}$	$D_s = \frac{5.286}{36.00} = 0.070 \text{ m}$
OPTIMIZATION OF MINIMUM FOREBAY SIZE:	
$D_s = 0.3 \text{ m}$	$A_f = \frac{5.286 \text{ m}^3}{0.3} = 17.621 \text{ m}^2$
CALCULATED FOR 2x FOREBAYS: 17.621m² (TOTAL)	
CONTRIBUTING CATCHMENTS:	
FOREBAY A: 2.863ha (26% OF TOTAL CATCHMENT)	
FOREBAY B: 8.15ha (74% OF TOTAL CATCHMENT)	
MINIMUM FOREBAY SIZE FOR CONTRIBUTING CATCHMENTS:	
FOREBAY A: 4.6m² (MIN)	
FOREBAY B: 13.1m² (MIN)	
$V_s = 5.286 \text{ m}^3$ (Workings Above)	
$A_c = 11.013 \text{ ha}$ (Refer Catchment Plans)	
UNMITIGATED POST-DEVELOPMENT FLOW	
$Q = 0.4776 \text{ m}^3/\text{s}$ (3 month ARI)	
$V_s = 0.1 \text{ m}^3/\text{s}$ (Recommended for 1mm Particle)	
$R = 0.8$ (Recommended 80% Capture)	
$L_0 = 0.6$ (From Healthy Waterways Guide)	
$n = 0.5$ (Recommended Turbulence)	
$F_c = 1.0$ (Frequency of Clean Out / Yr)	
REFER TO BIO RETENTION TECHNICAL DESIGN GUIDELINES FOR FURTHER INFORMATION	



OPERATIONAL PHASE BIO RETENTION BASIN 2 LAYOUT PLAN

Client:



Project: VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian:
PSM:
RL:

ISSUED FOR
CONSTRUCTION

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THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES.

Drawing Title:

OPERATIONAL PHASE
BIO RETENTION BASIN 2
LAYOUT PLAN

Rev	Date	Description	DRN	CHK
G	13/08/25	BASIN 2 ACCESS UPDATED	JH	MG
F	21/02/25	SWD & BASIN 2 UPDATED	JH	MG
E	11/12/24	SWD & BASIN 2 UPDATED	JH	MG
D	13/02/24	ISSUED FOR CONSTRUCTION	ML	MG
D	08/02/24	FOREBAY DETAILS ADDED	JH	MG
C	08/01/24	NOTES ADDED	JH	MG
B	06/11/23	DESIGN UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

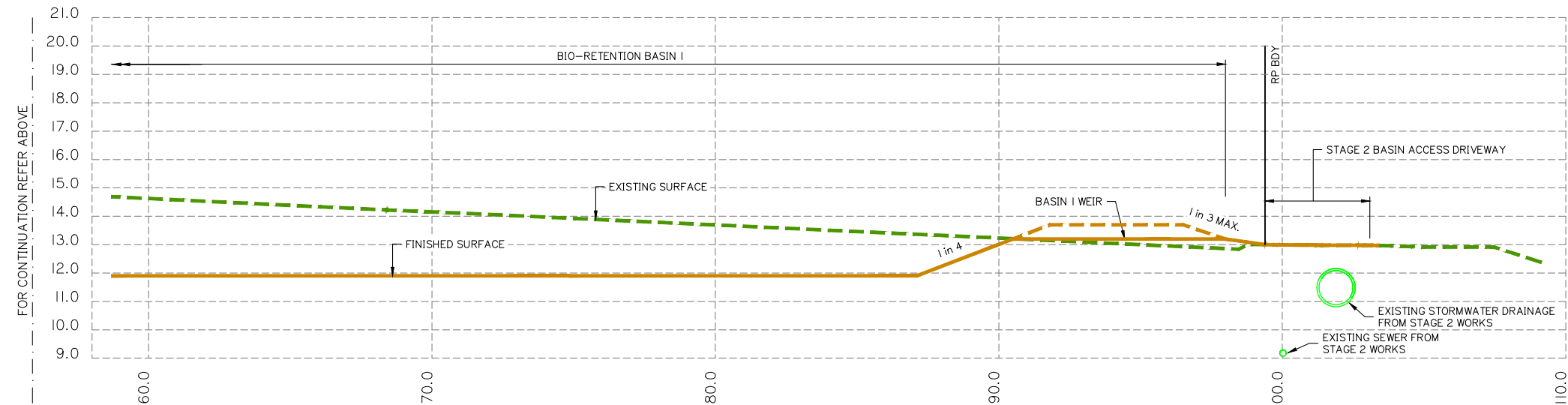
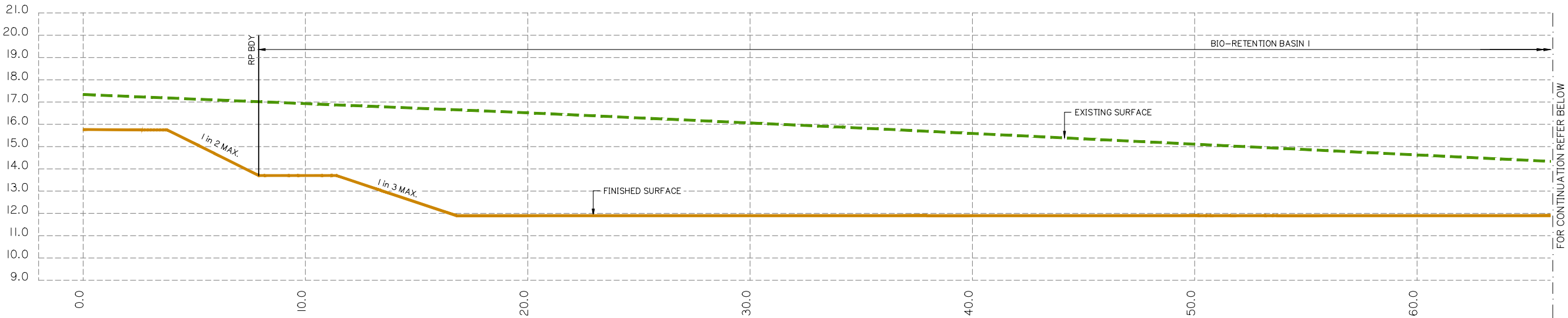
DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. A1 UNREDUCED A3 REDUCED

Scale:
0 4 8 12 16m
1:200 (A1) 1:400 (A3)

PROJECT NORTH POINT



Project No: 5941	
Designed: JH	Drafted: JH
Approved: MG	
RPEQ: 16939	
Signed: [Signature]	
Date: 28/09/2023	
Drawing No: 5941 ENG CW3 571	Revision: G



SECTION I
SCALE:
1: 100 HORIZ.
1: 100 VERT.

Client:



Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian:
PSM:
RL:

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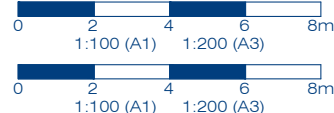
Drawing Title:

BIO RETENTION BASIN
SECTIONS
SHEET 1 OF 2

A	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE. A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES A3 REDUCED

Scale:



PROJECT NORTH POINT

Project No. 5941	
Designed: JH	Drafted: JH
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No: 5941 ENG CW3 573	Revision: A

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

Client:



Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian: PSM:
RL:

ISSUED FOR
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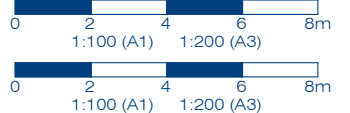
Drawing Title:

BIO RETENTION BASIN
SECTIONS
SHEET 2 OF 2

D	13/08/25	SECTION UPDATED	JH	MG	
C	11/12/24	SECTION UPDATED	JH	MG	
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG	
B	06/11/23	SECTION UPDATED	ML	MG	
A	25/05/23	ORIGINAL ISSUE	JH	MG	
Rev	Date	Description	DRN	CHK	

DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE. A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES A3 REDUCED

Scale:



PROJECT NORTH POINT

Project No.: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

Date:

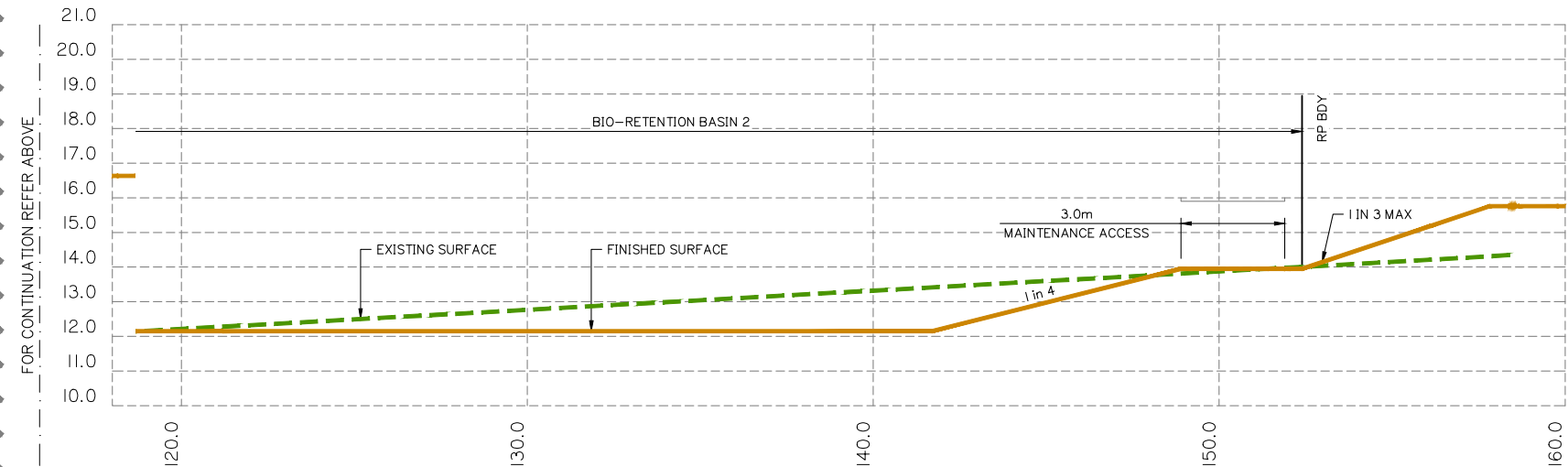
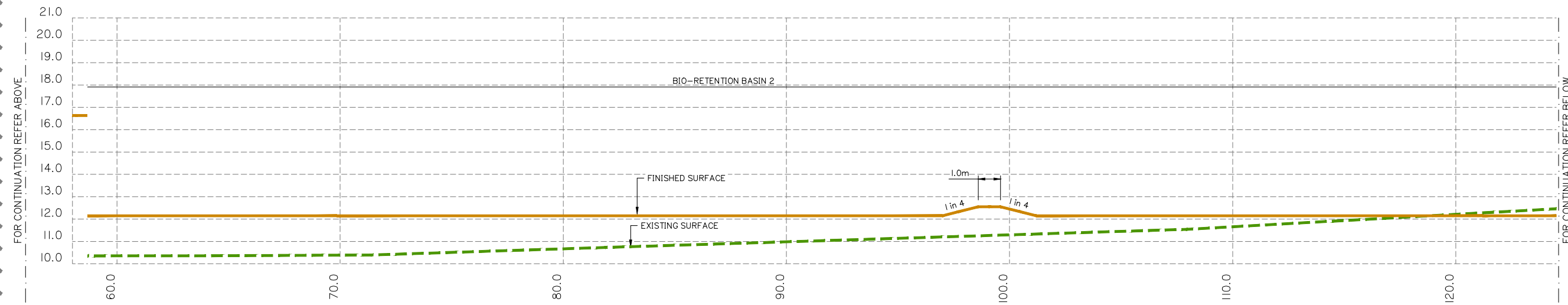
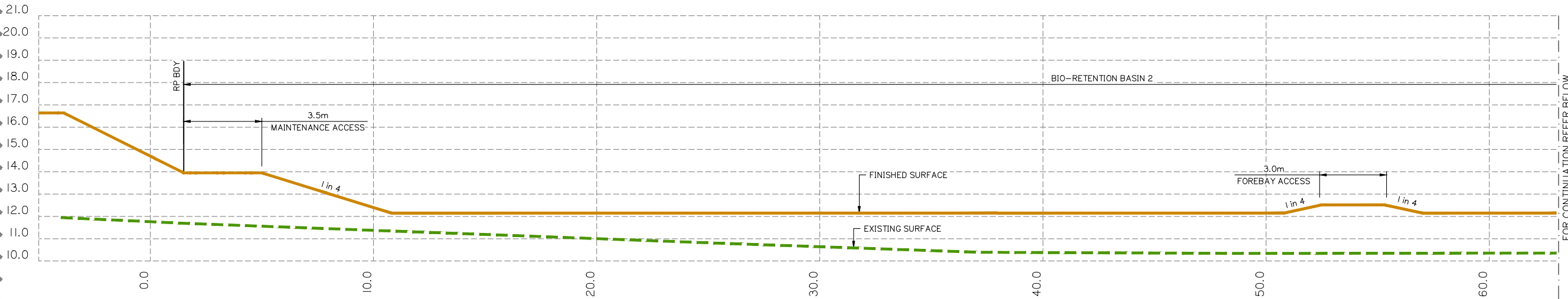
28/09/2023

Drawing No:

5941 ENG CW3 574

Revision

D



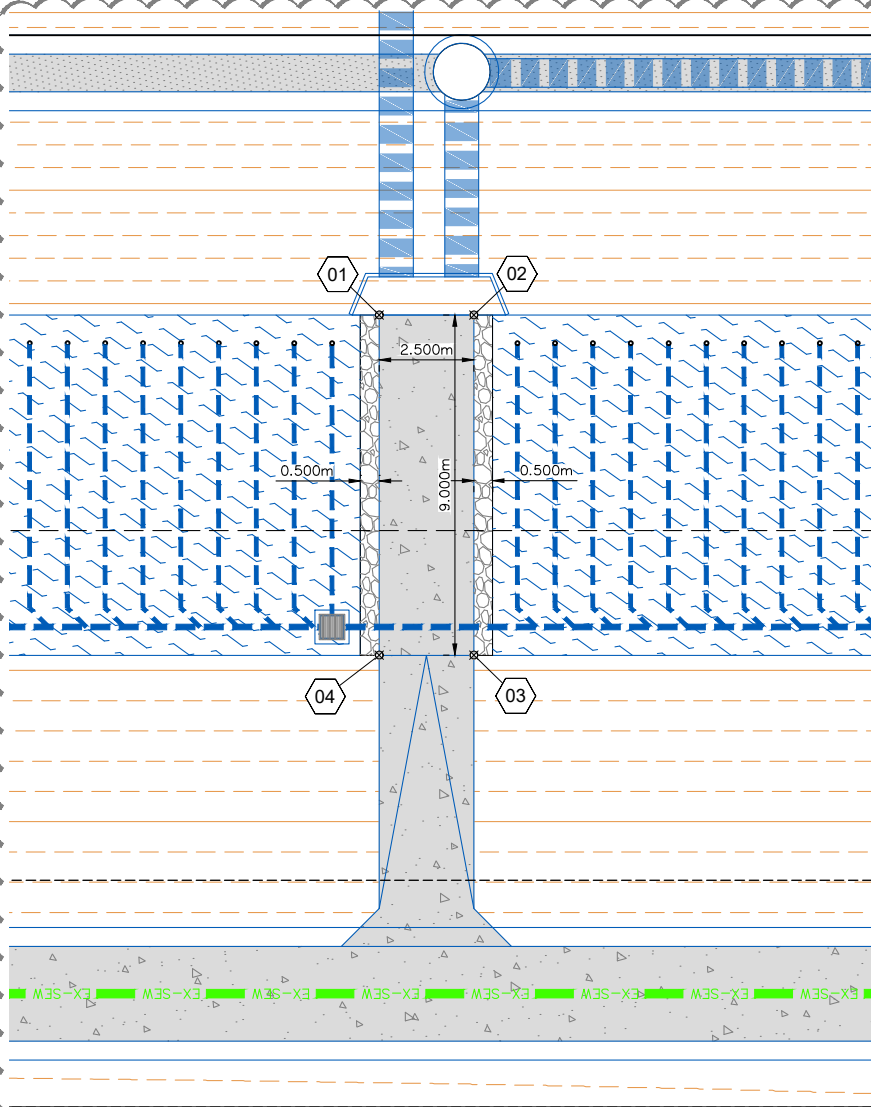
SECTION 2
SCALE:
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1: 100 VERT.

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

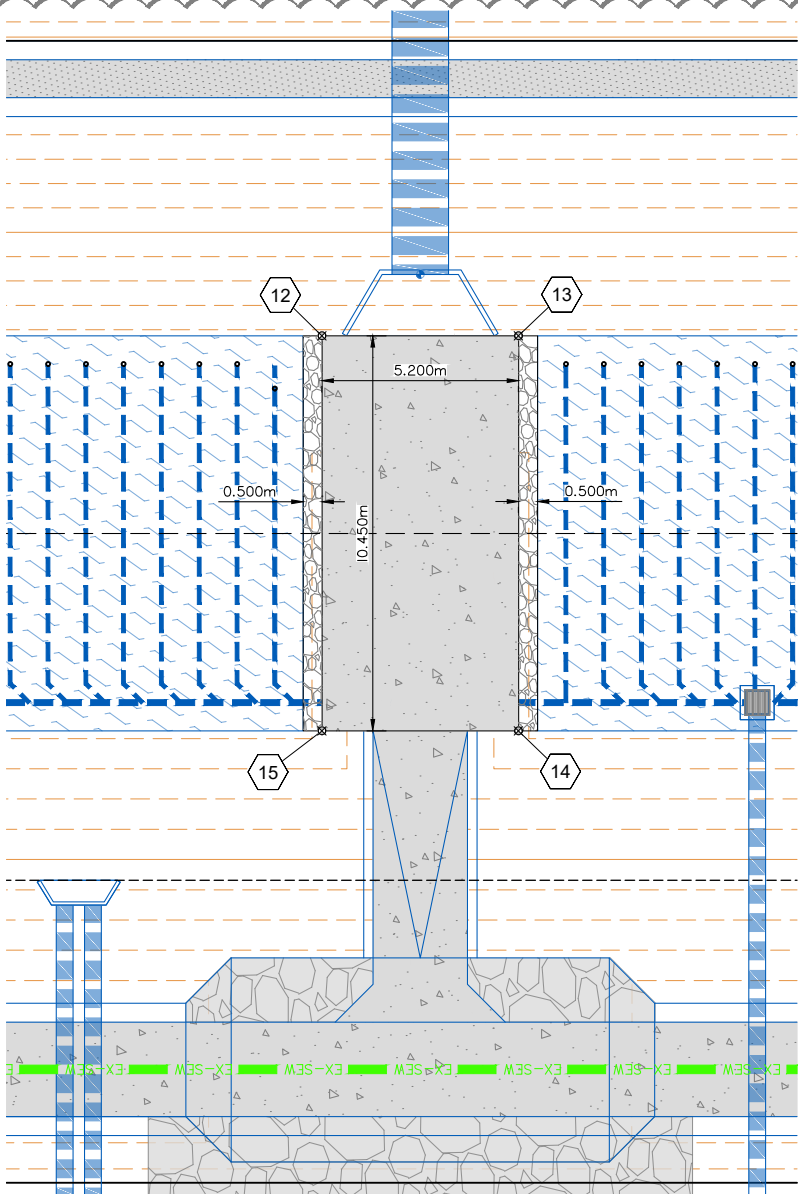
Application No.: MIN/2026/145

Dated: 19 May 2026

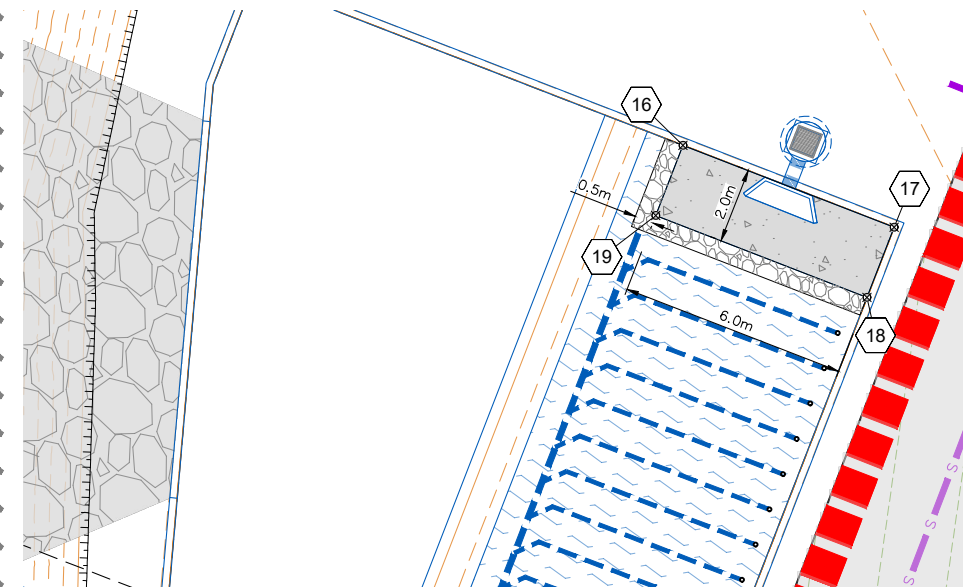
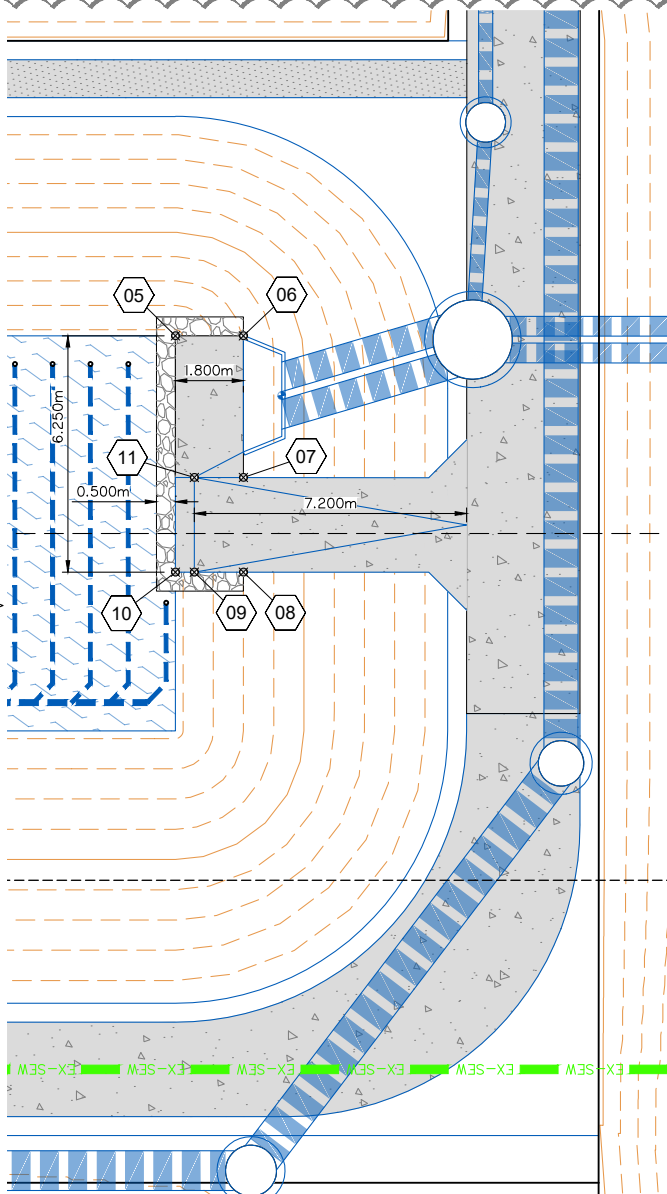
Development shall comply with the
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Scheme, Local Laws and Planning Policies



BASIN 1 FOREBAY SETOUT PLAN
SCALE 1: 100



BASIN 2 FOREBAY SETOUT PLAN
SCALE 1: 100



BASIN 3 FOREBAY SETOUT PLAN
SCALE 1: 100

FOREBAY SETOUT TABLE			
POINT	EASTING	NORTHING	LEVEL (AHD)
01	3030.675	6445.598	11.900
02	3031.075	6448.066	11.900
03	3039.959	6446.627	11.900
04	3039.559	6444.159	11.900
05	2995.647	6238.362	12.150
06	2995.935	6240.138	12.150
07	2999.637	6239.538	12.480
08	3002.105	6239.137	12.480
09	3001.897	6237.855	12.150
10	3001.816	6237.361	12.150
11	2999.429	6238.256	12.150
12	2981.276	6149.618	12.150
13	2982.108	6154.751	12.150
14	2992.423	6153.080	12.150
15	2991.592	6147.947	12.150
16	2916.039	5990.062	12.700
17	2919.072	5995.228	12.700
18	2920.788	5994.221	12.700
19	2917.758	5989.054	12.700

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

Client:



Project: VANTAGE YATALA
STAGE 3

Site Address:
LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:
Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian:
PSM:
RL:

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Drawing Title:
BIO RETENTION BASIN
FOREBAY SETOUT PLAN

Rev	Date	Description	DRN	CHK
D	13/08/25	SETOUT UPDATED	JH	MG
C	11/12/24	SWD & BASIN 2 UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	06/11/23	LAYOUT UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

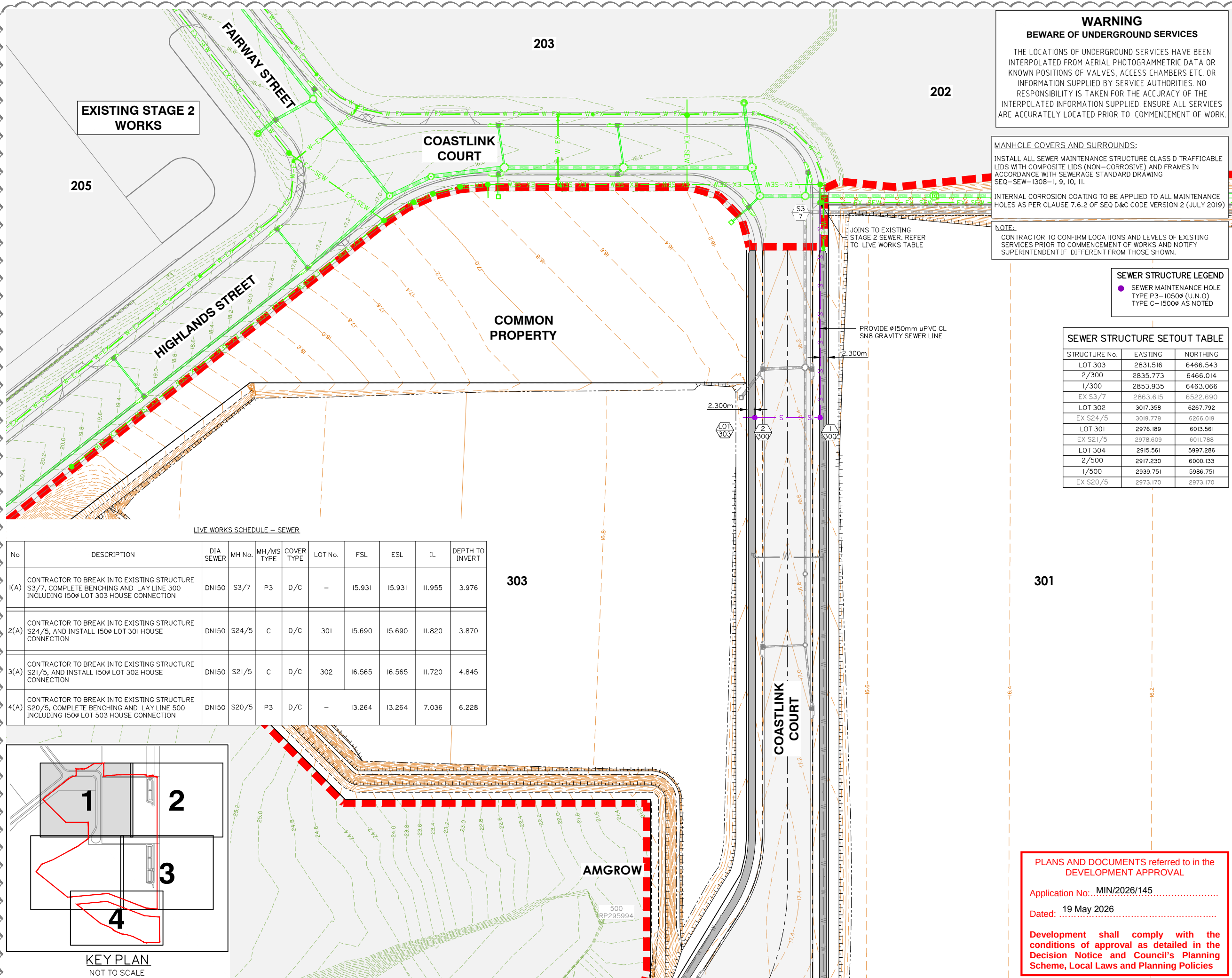
DIMENSIONS IN METRES EXCEPT WHERE
SHOWN OTHERWISE. A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES A3 REDUCED

Scale:
0 4 8 12 16m
1:200 (A1) 1:400 (A3)

PROJECT NORTH POINT



Project No: 5941	
Designed: JH	Drafted: JH
Approved:	MG
RPEQ	16939
Signed:	
Date:	28/09/2023
Drawing No: 5941 ENG CW3 575	Revision: D



WARNING
BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

MANHOLE COVERS AND SURROUNDS:

INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN ACCORDANCE WITH SEWERAGE STANDARD DRAWING SEQ-SEW-1308-1, 9, 10, 11.

INTERNAL CORROSION COATING TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ D&C CODE VERSION 2 (JULY 2019)

NOTE:

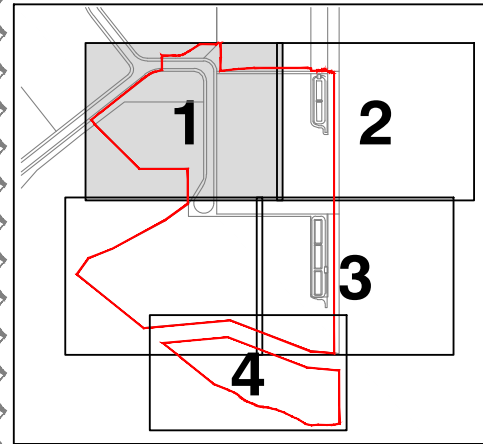
CONTRACTOR TO CONFIRM LOCATIONS AND LEVELS OF EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT IF DIFFERENT FROM THOSE SHOWN.

SEWER STRUCTURE LEGEND

- SEWER MAINTENANCE HOLE TYPE P3-1050Ø (U.N.O)
- TYPE C-1500Ø AS NOTED

SEWER STRUCTURE SETOUT TABLE		
STRUCTURE No.	EASTING	NORTHING
LOT 303	2831.516	6466.543
2/300	2835.773	6466.014
1/300	2853.935	6463.066
EX S3/7	2863.615	6522.690
LOT 302	3017.358	6267.792
EX S24/5	3019.779	6266.019
LOT 301	2976.189	6013.561
EX S21/5	2978.609	6011.788
LOT 304	2915.561	5997.286
2/500	2917.230	6000.133
1/500	2939.751	5986.751
EX S20/5	2973.170	2973.170

LIVE WORKS SCHEDULE - SEWER									
No	DESCRIPTION	DIA SEWER	MH No.	MH/MS TYPE	COVER TYPE	LOT No.	FSL	ESL	IL
1(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S3/7, COMPLETE BENCHING AND LAY LINE 300 INCLUDING 150Ø LOT 303 HOUSE CONNECTION	DN150	S3/7	P3	D/C	-	15.931	15.931	11.955
2(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S24/5, AND INSTALL 150Ø LOT 301 HOUSE CONNECTION	DN150	S24/5	C	D/C	301	15.690	15.690	11.820
3(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S21/5, AND INSTALL 150Ø LOT 302 HOUSE CONNECTION	DN150	S21/5	C	D/C	302	16.565	16.565	11.720
4(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S20/5, COMPLETE BENCHING AND LAY LINE 500 INCLUDING 150Ø LOT 503 HOUSE CONNECTION	DN150	S20/5	P3	D/C	-	13.264	13.264	7.036



PLANS AND DOCUMENTS referred to in the **DEVELOPMENT APPROVAL**

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Rev	Date	Description	DRN	CHK
F	11/04/25	SWD MANHOLE ADDED	JH	MG
E	11/04/25	LAYOUT UPDATED	JH	MG
D	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
C	11/11/24	LAYOUT UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/02/24	FOOTPATH AMENDED	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

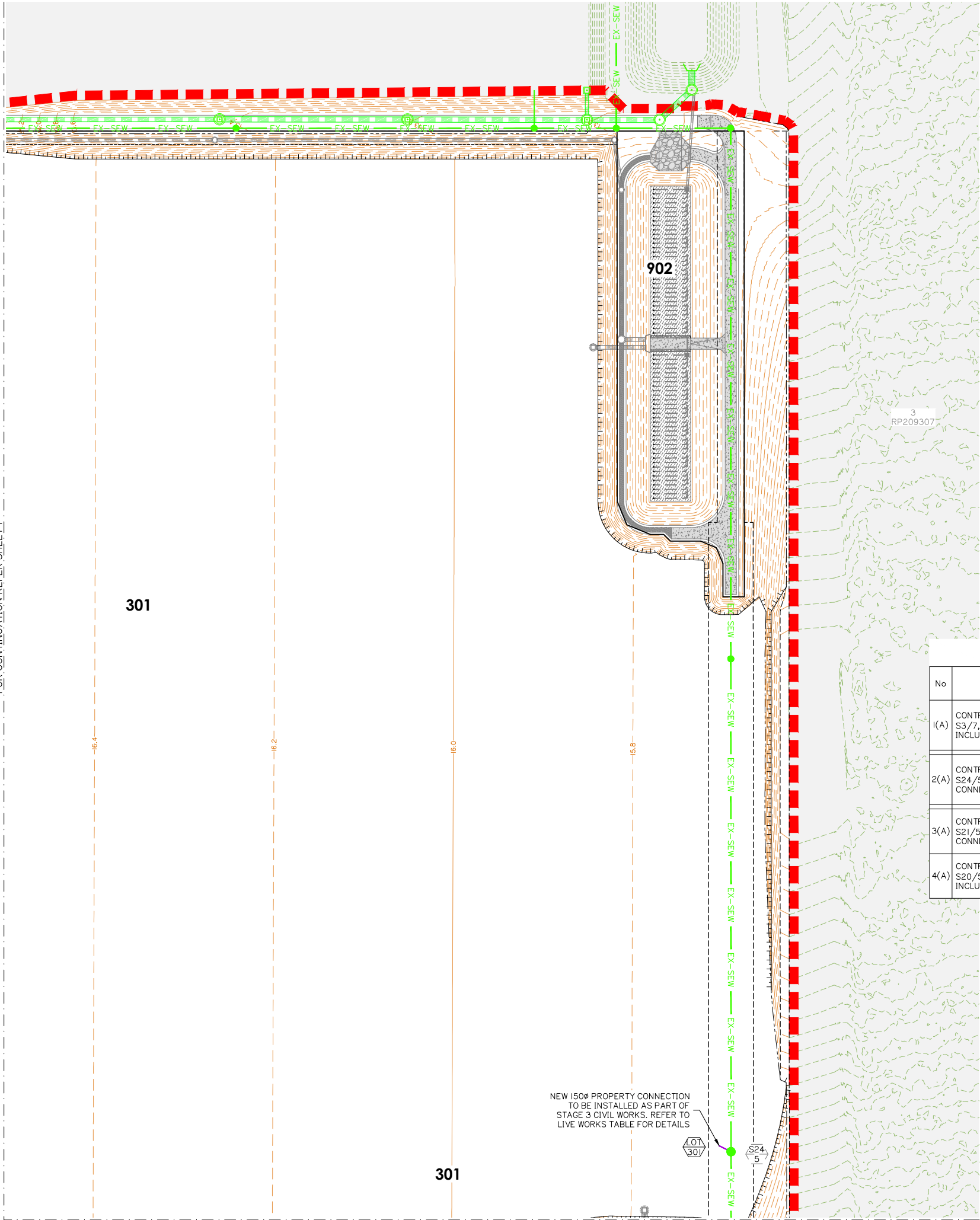
DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE:
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

Scale:

0 10 20 30 40m

1:500 (A1) 1:1000 (A3)



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MANHOLE COVERS AND SURROUNDS:

INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN ACCORDANCE WITH SEWERAGE STANDARD DRAWING SEQ-SEW-1308-I, 9, 10, 11.

INTERNAL CORROSION COATING TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ D&C CODE VERSION 2 (JULY 2019)

NOTE:

CONTRACTOR TO CONFIRM LOCATIONS AND LEVELS OF EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT IF DIFFERENT FROM THOSE SHOWN.

SEWER STRUCTURE LEGEND

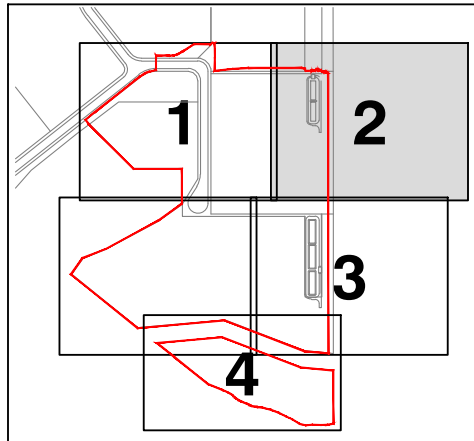
- SEWER MAINTENANCE HOLE TYPE P3-1050ø (U.N.O)
- TYPE C-1500ø AS NOTED

SEWER STRUCTURE SETOUT TABLE

STRUCTURE No.	EASTING	NORTHING
LOT 303	2831.516	6466.543
2/300	2835.773	6466.014
1/300	2853.935	6463.066
EX S3/7	2863.615	6522.690
LOT 302	3017.358	6267.792
EX S24/5	3019.779	6266.019
LOT 301	2976.189	6013.561
EX S21/5	2978.609	6011.788
LOT 304	2915.561	5997.286
2/500	2917.230	6000.133
1/500	2939.751	5986.751
EX S20/5	2973.170	2973.170

LIVE WORKS SCHEDULE – SEWER

No	DESCRIPTION	DIA SEWER	MH No.	MH/MS TYPE	COVER TYPE	LOT No.	FSL	ESL	IL	DEPTH TO INVERT
1(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S3/7, COMPLETE BENCHING AND LAY LINE 300 INCLUDING 150ø LOT 303 HOUSE CONNECTION	DN150	S3/7	P3	D/C	–	15.931	15.931	11.955	3.976
2(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S24/5, AND INSTALL 150ø LOT 301 HOUSE CONNECTION	DN150	S24/5	C	D/C	301	15.690	15.690	11.820	3.870
3(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S21/5, AND INSTALL 150ø LOT 302 HOUSE CONNECTION	DN150	S21/5	C	D/C	302	16.565	16.565	11.720	4.845
4(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S20/5, COMPLETE BENCHING AND LAY LINE 500 INCLUDING 150ø LOT 503 HOUSE CONNECTION	DN150	S20/5	P3	D/C	–	13.264	13.264	7.036	6.228



KEY PLAN
NOT TO SCALE

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: **MIN/2026/145**

Dated: **19 May 2026**

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Client:



FPI QUEENSLAND PTY. LTD.

Project:

VANTAGE YATALA STAGE 3

Site Address:

LOT 504 HOMESTEAD DRIVE, STAPYLTON QLD, 4207

RPD:

Lot: **504**
Plan: **SP329485**
Local Authority: **CITY OF GOLD COAST**

Level Datum: **AHD**
Meridian:
PSM:
RL:

ISSUED FOR CONSTRUCTION

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Drawing Title:

SEWER RETICULATION LAYOUT PLAN SHEET 2 OF 4

Rev	Date	Description	DRN	CHK
A	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

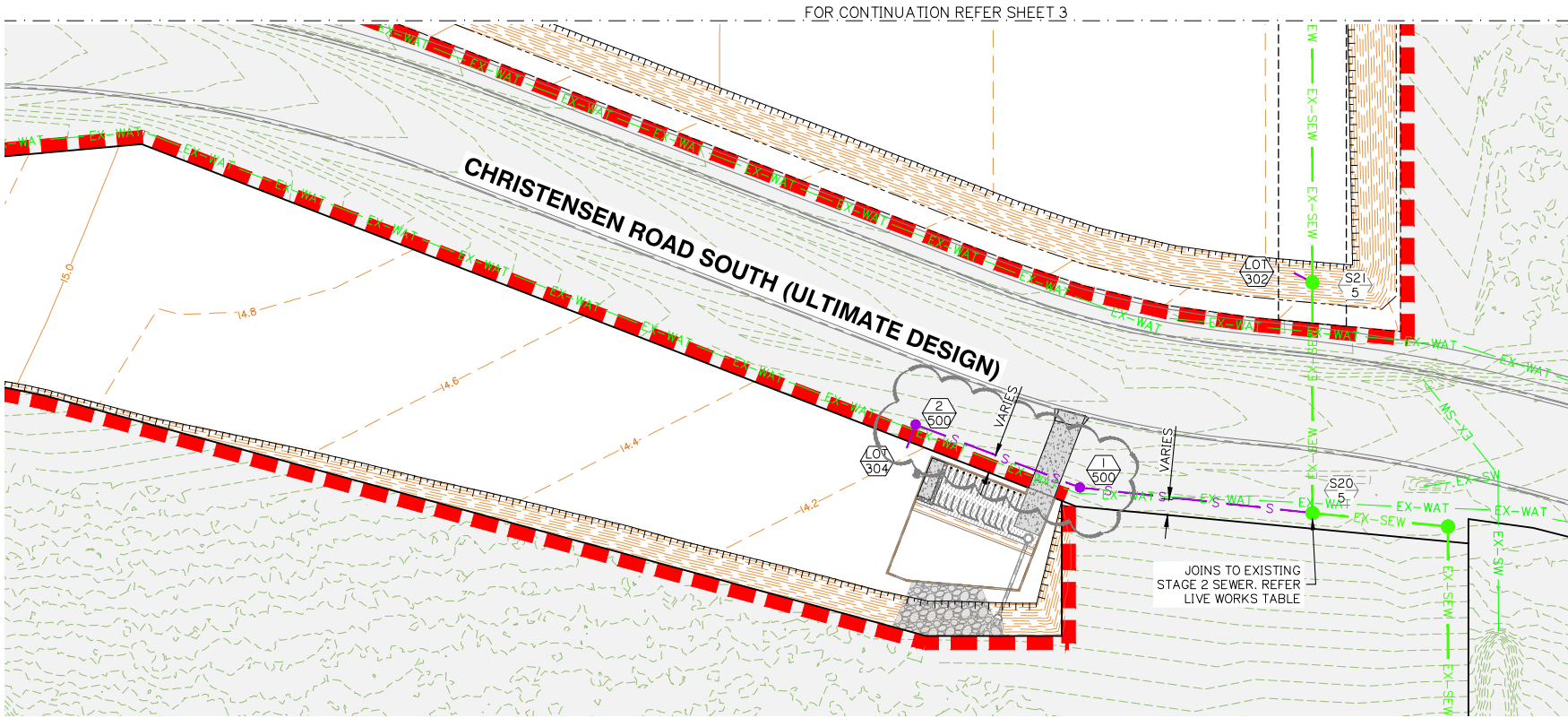
DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE. A1 UNREDUCED A3 REDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No: 5941	
Designed: JH	Drafted: JH
Approved:	MG
RPEQ:	16939
Signed:	
Date:	28/09/2023
Drawing No: 5941 ENG CW3 611	Revision: A



WARNING
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MANHOLE COVERS AND SURROUNDS:

INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN ACCORDANCE WITH SEWERAGE STANDARD DRAWING SEQ-SEW-1308-I, 9, 10, 11.

INTERNAL CORROSION COATING TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ D&C CODE VERSION 2 (JULY 2019)

NOTE:

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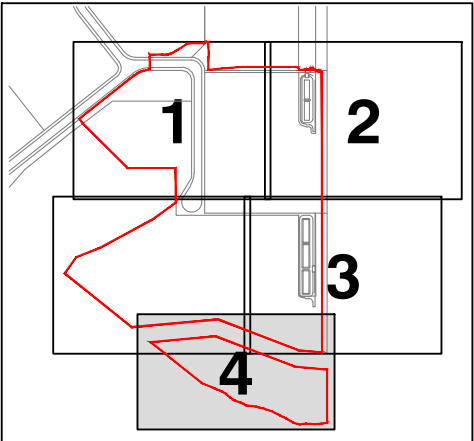
SEWER STRUCTURE LEGEND

- SEWER MAINTENANCE HOLE TYPE P3-1050Ø (U.N.O)
- TYPE C-1500Ø AS NOTED

SEWER STRUCTURE SETOUT TABLE		
STRUCTURE No.	EASTING	NORTHING
LOT 303	2831.516	6466.543
2/300	2835.773	6466.014
1/300	2853.935	6463.066
EX S3/7	2863.615	6522.690
LOT 302	3017.358	6267.792
EX S24/5	3019.779	6266.019
LOT 301	2976.189	6013.561
EX S20/5	2976.609	6014.788
LOT 304	2915.561	5997.286
2/500	2917.432	6000.476
1/500	2939.879	5987.418
EX S20/5	2973.440	6073.440

LIVE WORKS SCHEDULE – SEWER

No	DESCRIPTION	DIA SEWER	MH No.	MH/MS TYPE	COVER TYPE	LOT No.	FSL	ESL	IL	DEPTH TO INVERT
1(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S3/7, COMPLETE BENCHING AND LAY LINE 300 INCLUDING 150Ø LOT 303 HOUSE CONNECTION	DN150	S3/7	P3	D/C	–	15.931	15.931	11.955	3.976
2(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S24/5, AND INSTALL 150Ø LOT 301 HOUSE CONNECTION	DN150	S24/5	C	D/C	301	15.690	15.690	11.820	3.870
3(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S21/5, AND INSTALL 150Ø LOT 302 HOUSE CONNECTION	DN150	S21/5	C	D/C	302	16.565	16.565	11.720	4.845
4(A)	CONTRACTOR TO BREAK INTO EXISTING STRUCTURE S20/5, COMPLETE BENCHING AND LAY LINE 500 INCLUDING 150Ø LOT 503 HOUSE CONNECTION	DN150	S20/5	P3	D/C	–	13.264	13.264	7.036	6.228



KEY PLAN
NOT TO SCALE

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Client:

FRASERS
PROPERTY
FPI QUEENSLAND
PTY. LTD.

Project:

VANTAGE YATALA
STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian: PSM:
RL:

ISSUED FOR
CONSTRUCTION

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THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES.

Drawing Title:

SEWER RETICULATION
LAYOUT PLAN
SHEET 4 OF 4

Rev	Date	Description	DRN	CHK
C	21/03/25	SEWER LINE UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	06/11/23	LABEL UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE:
CULVERT AND PIPE SIZES IN MILLIMETRES

Scale:
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

PROJECT NORTH POINT



Project No: 5941

Designed: JH

Drafted: JH

Approved:

MG

RPEQ

16939

Signed:

Date:

28/09/2023

Drawing No:

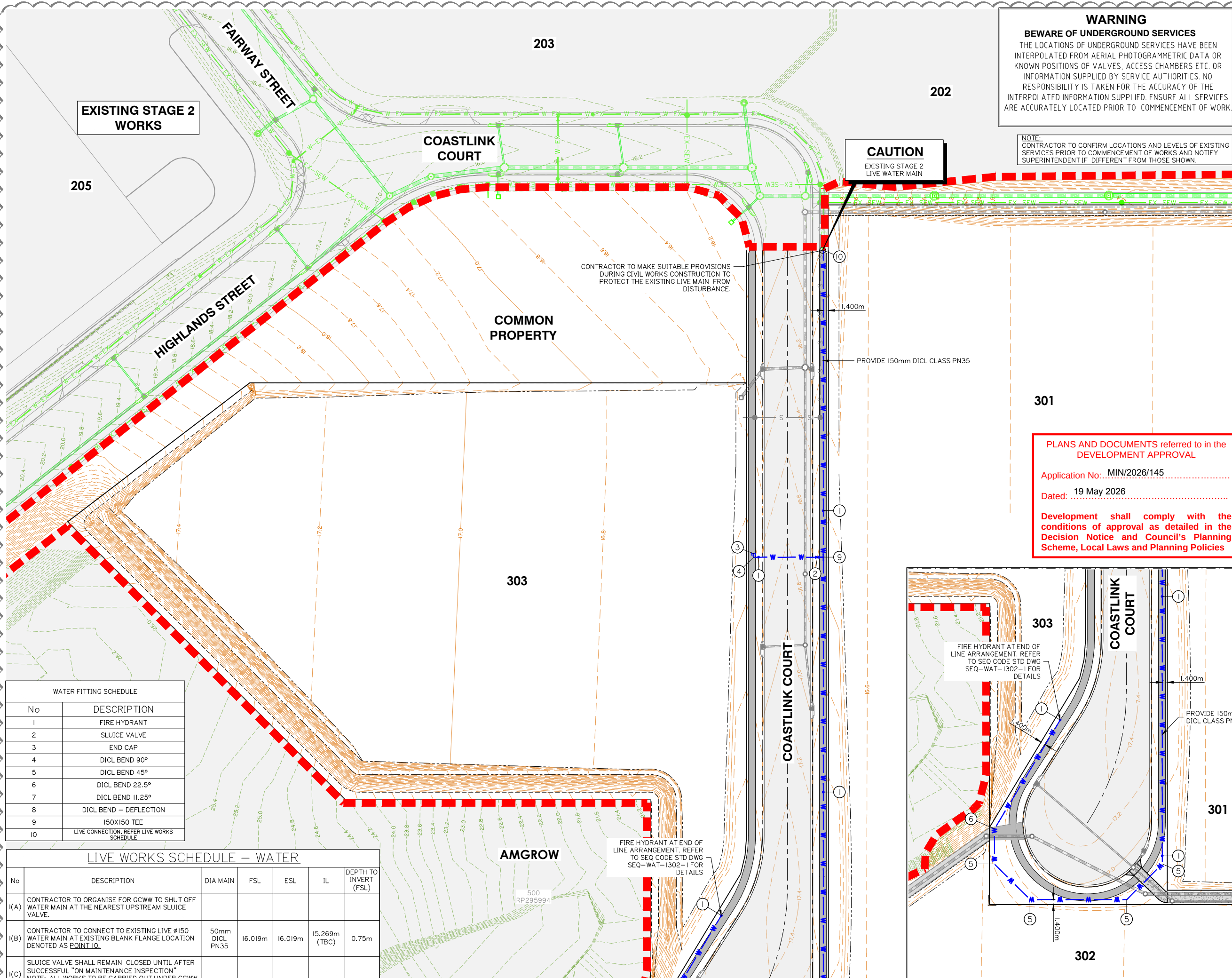
5941 ENG CW3 613

Revision

C

The technical drawings illustrate the sewer installation details:

- LONG-SECTION THROUGH SEWER (N.T.S.):** This side view shows the trench layout. A central circular "PROPOSED SW RCP" is shown. The trench has a "TRENCH WIDTH" and a "FINISHED SURFACE" above it. Dimensions include 300 MIN. from the pipe center to the trench walls, 600 MIN. from the pipe center to the trench edges, and 150 MIN. for the trench depth. A "SL72 MESH 50 BOTTOM COVER" is indicated at the base of the trench.
- CROSS-SECTION THROUGH SEWER (N.T.S.):** This top-down view shows the "PROPOSED SW RCP" as a blue oval. Below it is a circular "PROPOSED 15" DIA. RCP". The trench is 600 MIN. wide and 150 MIN. deep. The "FINISHED SURFACE" is shown above the trench. A "SL72 MESH 50 BOTTOM COVER" is shown at the base of the trench.



EXISTING STAGE 2 WORKS

COASTLINK COURT

CAUTION
EXISTING STAGE 2
LIVE WATER MAIN

NOTE:
CONTRACTOR TO CONFIRM LOCATIONS AND LEVELS OF EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT IF DIFFERENT FROM THOSE SHOWN.

CONTRACTOR TO MAKE SUITABLE PROVISIONS DURING CIVIL WORKS CONSTRUCTION TO PROTECT THE EXISTING LIVE MAIN FROM DISTURBANCE.

COMMON PROPERTY

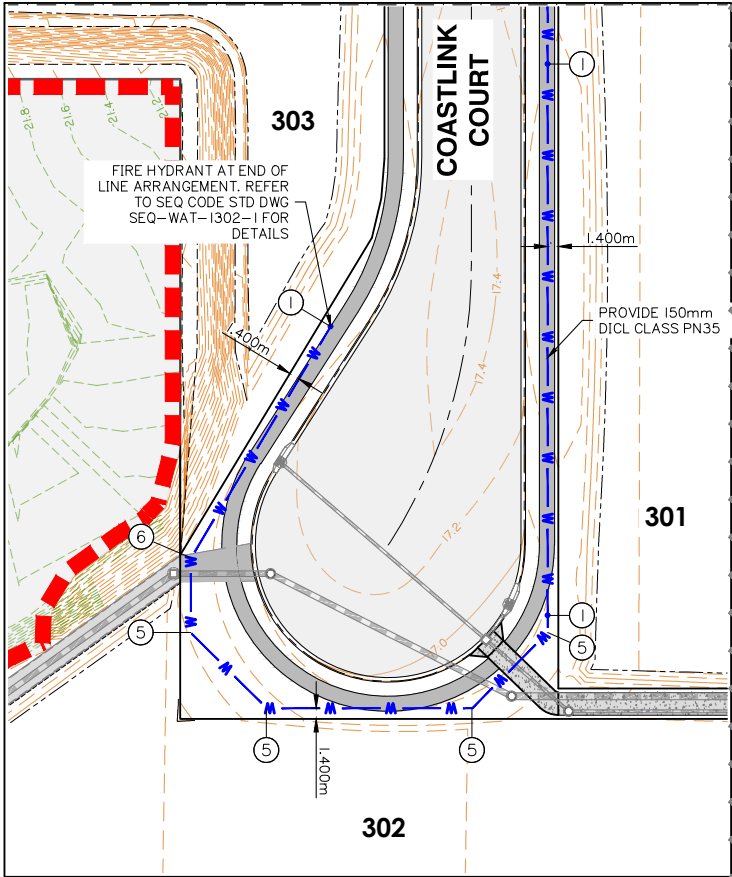
301

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: MIN/2026/145

Dated: 19 May 2026

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies



INSET
SCALE 1:500

WATER FITTING SCHEDULE	
No	DESCRIPTION
1	FIRE HYDRANT
2	SLUICE VALVE
3	END CAP
4	DICL BEND 90°
5	DICL BEND 45°
6	DICL BEND 22.5°
7	DICL BEND 11.25°
8	DICL BEND - DEFLECTION
9	ISOX150 TEE
10	LIVE CONNECTION, REFER LIVE WORKS SCHEDULE

LIVE WORKS SCHEDULE – WATER						
No	DESCRIPTION	DIA MAIN	FSL	ESL	IL	DEPTH TO INVERT (FSL)
I(A)	CONTRACTOR TO ORGANISE FOR GCWW TO SHUT OFF WATER MAIN AT THE NEAREST UPSTREAM SLUICE VALVE.					
I(B)	CONTRACTOR TO CONNECT TO EXISTING LIVE Ø150 WATER MAIN AT EXISTING BLANK FLANGE LOCATION DENOTED AS POINT 10.	150mm DICL PN35	16.019m	16.019m	15.269m (TBC)	0.75m
I(C)	SLUICE VALVE SHALL REMAIN CLOSED UNTIL AFTER SUCCESSFUL "ON MAINTENANCE INSPECTION" NOTE: ALL WORKS TO BE CARRIED OUT UNDER GCWW SUPERVISION AND AT DEVELOPER'S EXPENSE.					

WATER RETICULATION LAYOUT PLAN

Rev	Date	Description	JH	MG
F	11/04/25	SWD MANHOLE ADDED	JH	MG
E	11/04/25	LONG SECTION UPDATED	JH	MG
D	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
C	11/11/24	LAYOUT UPDATED	JH	MG
B	19/02/24	ISSUED FOR CONSTRUCTION	ML	MG
B	08/02/24	FOOTPATH AMENDED	JH	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE:
CULVERT AND PIPE SIZES IN MILLIMETRES

A1 UNREDUCED
A3 REDUCED

Scale:

0 10 20 30 40m

1:500 (A1) 1:1000 (A3)



Project:

VANTAGE YATALA STAGE 3

Site Address:

LOT 504 HOMESTEAD
DRIVE, STAPYLTON
QLD, 4207

RPD:

Lot: 504
Plan: SP329485
Local Authority: CITY OF GOLD COAST

Level Datum: AHD
Meridian:
PSM:
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ISSUED FOR
CONSTRUCTION

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GENERAL NOTES.

Drawing Title:

SIGNS AND LINEMARKING LAYOUT PLAN

G	11/04/25	SWD MANHOLE ADDED	JH	MG
F	05/03/25	STORMWATER LAYOUT UPDATED	JH	MG
E	11/12/24	LONG SECTIONS UPDATED	JH	MG
D	18/02/24	ISSUED FOR CONSTRUCTION	ML	MG
C	08/02/24	FOOTPATH AMENDED	JH	MG
B	06/11/23	LEGEND UPDATED	ML	MG
A	25/05/23	ORIGINAL ISSUE	JH	MG
Rev	Date	Description	DRN	CHK

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.	A1 UNREDUCED
CULVERT AND PIPE SIZES IN MILLIMETRES	A3 REDUCED

Scale: 

PROJECT NORTH POINT



Project No. 5941

Designed: JH

Approved:

BB50

File EQ	
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Signed:

Date:

Drawing No:

5941 ENC

Revision
G