

PROPOSED R034 - TRUNK ROAD
MOUNTAIN RIDGE ROAD, NEW BEITH
FOR 'FRASERS PROPERTY AUSTRALIA'

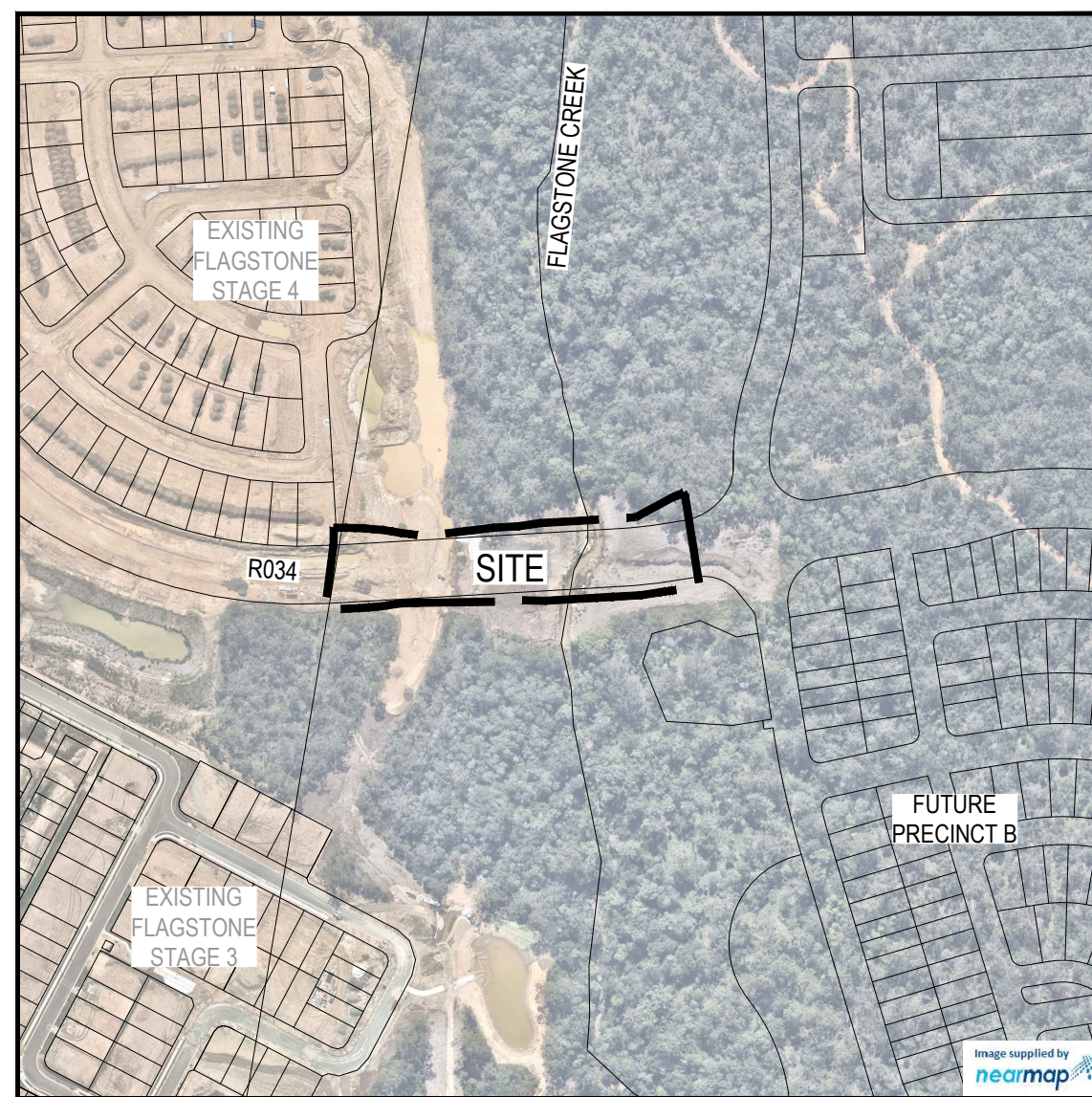
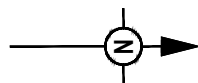
DRAWING LIST

EARTHWORKS, ROADWORKS AND DRAINAGE

23-0154-5001	COVER PLAN
23-0154-5002	GENERAL NOTES
23-0154-5100	EXISTING FEATURES LAYOUT PLAN
23-0154-5110	BULK EARTHWORKS LAYOUT PLAN
23-0154-5200	ROADWORKS AND DRAINAGE LAYOUT PLAN
23-0154-5210	SURVEY SETOUT AND KERB TYPES LAYOUT PLAN
23-0154-5220	ROAD TYPICAL CROSS SECTIONS AND DETAILS
23-0154-5230	R034 LONGITUDINAL SECTION
23-0154-5231	R034 CROSS SECTIONS SHEET 1 OF 5
23-0154-5232	R034 CROSS SECTIONS SHEET 2 OF 5
23-0154-5233	R034 CROSS SECTIONS SHEET 3 OF 5
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23-0154-5235	R034 CROSS SECTIONS SHEET 5 OF 5
23-0154-5270	SIGNS AND LINEMARKING LAYOUT PLAN
23-0154-5300	STORMWATER DRAINAGE EXTERNAL CATCHMENT LAYOUT PLAN
23-0154-5310	STORMWATER DRAINAGE CATCHMENT LAYOUT PLAN
23-0154-5320	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 3
23-0154-5321	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2 OF 3
23-0154-5322	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 3 OF 3
23-0154-5330	STORMWATER DRAINAGE STRUCTURE DETAILS
23-0154-5350	STORMWATER DRAINAGE CALCULATIONS TABLE SHEET 1 OF 2
23-0154-5351	STORMWATER DRAINAGE CALCULATIONS TABLE SHEET 2 OF 2
23-0154-5360	STORMWATER CULVERT LAYOUT PLAN
23-0154-5370	STORMWATER CULVERT 1 TYPICAL SECTIONS
23-0154-5371	STORMWATER CULVERT 2 TYPICAL SECTIONS
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TRUNK WATER

23-0154-5650	TRUNK WATER COVER PLAN
23-0154-5651	TRUNK WATER GENERAL NOTES
23-0154-5652	TRUNK WATER LIVE WORKS DETAILS
23-0154-5660	TRUNK WATER LAYOUT PLAN



LOCALITY PLAN
SCALE 1:2000 (A1)
SCALE 1:4000 (A3)

PROJECT INFORMATION SUMMARY:
R034 TRUNK ROAD - CREEK CROSSING
RP DESCRIPTION
LOT 4 ON SP332712
LOT 910 ON SP346075
DATUM LEVEL AND LOCATION
P.S.M XXX
RL XX.XXX AHD
LOCATED
LOCATED
LOCAL AUTHORITY: LOGAN CITY COUNCIL
COUNCIL REFERENCE NUMBER: TBC

NOTE:

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH:

- VEGETATION MANAGEMENT PLAN
- LANDSCAPE ARCHITECT'S PLANS
- ELECTRICAL, COMMUNICATIONS AND GAS CONSULTANT'S PLANS
- SEDIMENT AND EROSION REPORT
- SAFETY IN DESIGN REPORT

REV	DATE	DESIGN	DRAWN	REVISION DETAILS		DRAWN	STATUS			SCALE 1:2000 20 0 20 40 60 80 100 A1 1:4000  A3	CLIENT FRASERS PROPERTY AUSTRALIA ASSOCIATED CONSULTANT RPS GROUP (07) 3539 9500	PROJECT NAME NEW BEITH - PRECINCT B MOUNTAIN RIDGE ROAD NEW BEITH	DRAWING TITLE		
A	02.05.25	BR	DH	ORIGINAL ISSUE	TG	NOT FOR CONSTRUCTION	DATE 21.08.25	COVER PLAN							
B	21.08.25	BR	TG	RFI RESPONSE				PROJECT No.					DRAWING No.	REVISION	
					DESIGN	APPROVED DANIEL COLLINS RPEQ 18631	DATE 21.08.25								
					BR	 FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD									

GENERAL NOTES:

1.

THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, PLANT AND EQUIPMENT TO CONSTRUCT THE WORKS AS DOCUMENTED AND STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
2.

THE EXISTING SERVICES THAT ARE SHOWN ON THE DRAWINGS ARE PROVIDED FOR INFORMATION PURPOSES ONLY. NO RESPONSIBILITY IS TAKEN BY THE SUPERINTENDENT OR THE PRINCIPAL FOR INFORMATION THAT HAS BEEN SUPPLIED BY OTHERS, OR ANY EXISTING SERVICES THAT MAY BE PRESENT NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE POSITION OF ANY UNDERGROUND SERVICES WITHIN THE AREAS OF WORKS AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO. ANY ALTERATION WORKS TO SERVICES WILL BE CARRIED OUT ONLY BY THE SERVICE OWNER AUTHORITY UNLESS APPROVED OTHERWISE.
3.

ALL CONSTRUCTION ACTIVITIES UNDERTAKEN SHALL COMPLY WITH CURRENT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND LEGISLATION.
4.

PRIOR TO COMMENCING WORK, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL RELEVANT LOCAL AUTHORITY PERMITS.
5.

THE CONTRACTOR SHALL NOT COMMENCE THE DEMOLITION OF ANY EXISTING BUILDINGS AND/OR STRUCTURES WITHOUT APPROVAL FROM THE SUPERINTENDENT.
6.

THE CONTRACTOR SHALL APPLY INDUSTRY BEST PRACTICE SO WORKS SHALL NOT DISTURB OR AFFECT NEARBY RESIDENTS EITHER BY DUST, NOISE, FLOODING OR DISCONNECTION OF SERVICES. CONTRACTOR TO ENSURE THAT ACCESS AND SERVICES TO EXISTING PROPERTIES ARE AVAILABLE AT ALL TIMES.
7.

THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS.
8.

THESE ENGINEERING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED VEGETATION MANAGEMENT PLAN, WHERE APPLICABLE. WHEN IN DOUBT, ALL EXISTING TREES ARE TO REMAIN UNLESS DIRECTED OTHERWISE.
9.

HOLD POINT: ONCE THE BASE OF MANHOLES, INSPECTION PITS, GULLIES AND FIELD INLETS FOR STORMWATER DRAINAGE AND SEWER RETICULATION HAVE BEEN POURED, CONSTRUCTION SHALL ONLY RE-COMMENCE ONCE THE SUPERINTENDENT AND/OR ENGINEER HAVE INSPECTED THE WORKS.
10.

THE CONTRACTOR SHALL NOTE DURING THE COURSE OF THE WORKS WHEN JOINT INSPECTIONS WITH THE AUTHORITY AND THE SUPERINTENDENT ARE REQUIRED. THESE INCLUDE PRE-STARTS, SUBGRADES, PRE-SEALS, CLEARING, AND OTHER SUCH INSPECTIONS AS NOMINATED IN THE APPROVAL AND THE SPECIFICATIONS. THE CONTRACTOR SHALL ENSURE NO WORKS PROCEED PAST THE INSPECTION POINT UNTIL THE JOINT INSPECTION HAS BEEN SUCCESSFULLY COMPLETED.
11.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SAFE MOVEMENT OF TRAFFIC AND THE PROTECTION OF PERSON AND PROPERTY THROUGH AND AROUND THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC MANAGEMENT INCLUDING THE DESIGN, CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ROADWAYS, DETOURS, SIGNS, LIGHTS AND BARRIER AS REQUIRED STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY REQUIREMENTS.

BULK EARTHWORKS NOTES

1.

NOTWITHSTANDING THE EXTENTS OF CUTTING AND FILLING SHOWN ON DRAWINGS, THE SUPERINTENDENT RESERVES THE RIGHT TO ADJUST THE FINISHED SURFACE LEVELS AND EARTHWORKS EXTENTS THROUGH WRITTEN DIRECTION.
2.

THE CONTRACTOR SHALL UNDERTAKE ALL CLEARING USING INDUSTRY BEST PRACTICE INCLUDING CONSIDERATION OF FAUNA RELOCATION.
3.

THE CONTRACTOR SHALL UNDERTAKE ALL EARTHWORKS IN ACCORDANCE WITH AS3798-2007 AND LOCAL AUTHORITY REQUIREMENTS. LEVEL 1 SUPERVISION IS REQUIRED.
4.

THE CONTRACTOR SHALL CONSIDER LOADS GENERATED BY THE EARTHWORKS OPERATIONS SO AS TO AVOID DAMAGE TO ALL PIPES, SERVICES AND STRUCTURES.
5.

THE EARTHWORKS DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT'S SEDIMENT AND EROSION CONTROL PLAN, WHERE APPLICABLE.
6.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLANNING, DESIGN, CERTIFICATION, IMPLEMENTATION AND MAINTENANCE OF AN EROSION AND SEDIMENT CONTROL PLAN THAT IS COMPLIANT WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) GUIDELINE 'BEST PRACTICE EROSION AND SEDIMENT CONTROL' AND RELEVANT COUNCIL POLICIES.
7.

ALLOTMENT FINISHED SURFACE LEVELS, SHOWN ON THE LAYOUT PLAN, INDICATE THE FINISHED SURFACE LEVEL AFTER TOPSOIL PLACEMENT.

ROADWORKS AND DRAINAGE NOTES

1.

ALL WORKS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUTHORITY'S STANDARD DRAWINGS, METHODS AND SPECIFICATIONS.
2.

NOTWITHSTANDING THE EXTENTS OF CUTTING AND FILLING SHOWN ON DRAWINGS, THE SUPERINTENDENT RESERVES THE RIGHT TO ADJUST THE FINISHED SURFACE LEVELS AND EARTHWORKS EXTENTS THROUGH WRITTEN DIRECTION.
3.

NEW CONSTRUCTION SHALL BE NEATLY JOINED TO EXISTING FORMATION. WHERE REQUIRED, THE EXISTING FORMATION SHALL BE SAW CUT IN ACCORDANCE WITH IPWEAQ STD DRG RS-170. LEVELS AND GRADIENTS AT CONNECTIONS WITH EXISTING WORKS MAY BE VARIED AS REQUIRED TO ACHIEVE A SMOOTH CONNECTION.
4.

THE CONTRACTOR SHALL UNDERTAKE ALL EARTHWORKS IN ACCORDANCE WITH AS3798-2007 AND LOCAL AUTHORITY REQUIREMENTS. LEVEL 1 SUPERVISION IS REQUIRED.
5.

THE CONTRACTOR SHALL SUPPLY THE SUPERINTENDENT WITH THE SUBGRADE TEST RESULTS NECESSARY FOR ALL PAVEMENT DESIGN.
6.

THE CONTRACTOR SHALL ENSURE A MINIMUM OF 75mm TOPSOIL TO ALL VERGE AND BATTER AREAS (AND STABILISATION AS ORDERED)
7.

THE CONTRACTOR SHALL INSTALL ALL FOOTPATH AND PRAM RAMPS IN COMPLIANCE WITH THE AUTHORITY'S STANDARD DRAWINGS. PRAM RAMPS ARE TO BE LOCATED CLEAR OF DRAINAGE GULLY PITS AND FUTURE DRIVEWAY POSITIONS INDICATED ON THE LAYOUT PLANS.
8.

THE CONTRACTOR SHALL INSTALL SUBSOIL DRAINS UNDER ALL KERBS AS REQUIRED BY THE LOCAL AUTHORITY'S STANDARDS.
9.

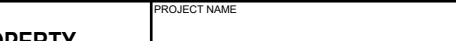
THE CONTRACTOR SHALL ENSURE THAT ALL RETAINING WALL SUBSOIL DRAINS ARE TO CONNECT TO EITHER KERB ADAPTORS, STORMWATER DRAINAGE STRUCTURES OR KERB SUBSOIL DRAINS. CONTRACTOR TO DEMONSTRATE TO SUPERINTENDENT THAT SUITABLE CONNECTIONS HAVE BEEN PROVIDED FOR ALL WALLS.
10.

ALL STORMWATER DRAINAGE MATERIALS, BEDDING, JOINTING AND STEP IRON REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUTHORITIES STANDARD DRAWINGS, METHODS AND SPECIFICATIONS.
11.

THE STORMWATER PIPE CLASSES HAVE BEEN DESIGNED FOR SERVICE LOADS ONLY. THE CONTRACTOR SHALL ASSESS THE SUITABILITY OF MACHINERY USED ON SITE AND THE ANTICIPATED CONSTRUCTION LOADS, AND UPGRADE THE PIPE CLASSES IF NECESSARY IN ACCORDANCE WITH AS3725-2007.
12.

THE TERM D₅₀ DOCUMENTED ON THE DRAWINGS, IN RELATION TO ROCK ARMORING, CORRESPONDS TO THE REQUIRED MEDIAN DIAMETER OF THE PLACED ROCKS. THE ROCKS USED SHALL NOT VARY IN SIZE BY +/- 30% OF THE PROPOSED D₅₀ SIZE.

PLOT - 21 Aug 2025 02:10 PM LOCATION - H:\23\23\0154 Flagstone - New Beith - Precinct B\Design\Asat\OPV\5000 Series - Flagstone Creek Crossing\23-0154-0001 [COVER].dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS			DRAWN	STATUS			SCALE	CLIENT	PROJECT NAME	DRAWING TITLE				
A	02.05.25	BR	DH	ORIGINAL ISSUE			TG	NOT FOR CONSTRUCTION						GENERAL NOTES				
B	21.08.25	BR	TG	RFI RESPONSE														
							BR	APPROVED					RPEQ 18631	DATE	21.08.25			
								DANIEL COLLINS										
			</															



LEGEND

- PROPOSED AREA OF WORKS
- EXISTING SURFACE CONTOUR
- EXISTING RETAINING WALL
- EXISTING STORMWATER DRAINAGE PIPE
- EXISTING ROOFWATER DRAINAGE PIPE
- EXISTING SEWER MAIN
- EXISTING TRUNK SEWER MAIN
- EXISTING WATER MAIN
- EXISTING TRUNK WATER MAIN
- EXISTING WATER CONDUIT
- EXISTING ELECTRICAL CABLE U/G
- EXISTING DRAIN
- EXISTING TREE TO REMAIN - REFER VMP
- EXISTING TREE TO BE REMOVED - REFER VMP

WARNING! - EXISTING SERVICES

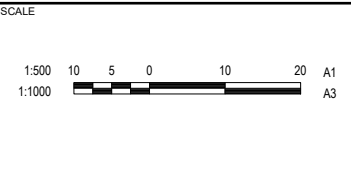
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	02.05.25	BR	DH	ORIGINAL ISSUE
B	21.08.25	BR	TG	RFI RESPONSE

DRAWN	STATUS
TG	NOT FOR CONSTRUCTION
DESIGN	APPROVED
BR	DANIEL COLLINS RPEQ 18631 21.08.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD	

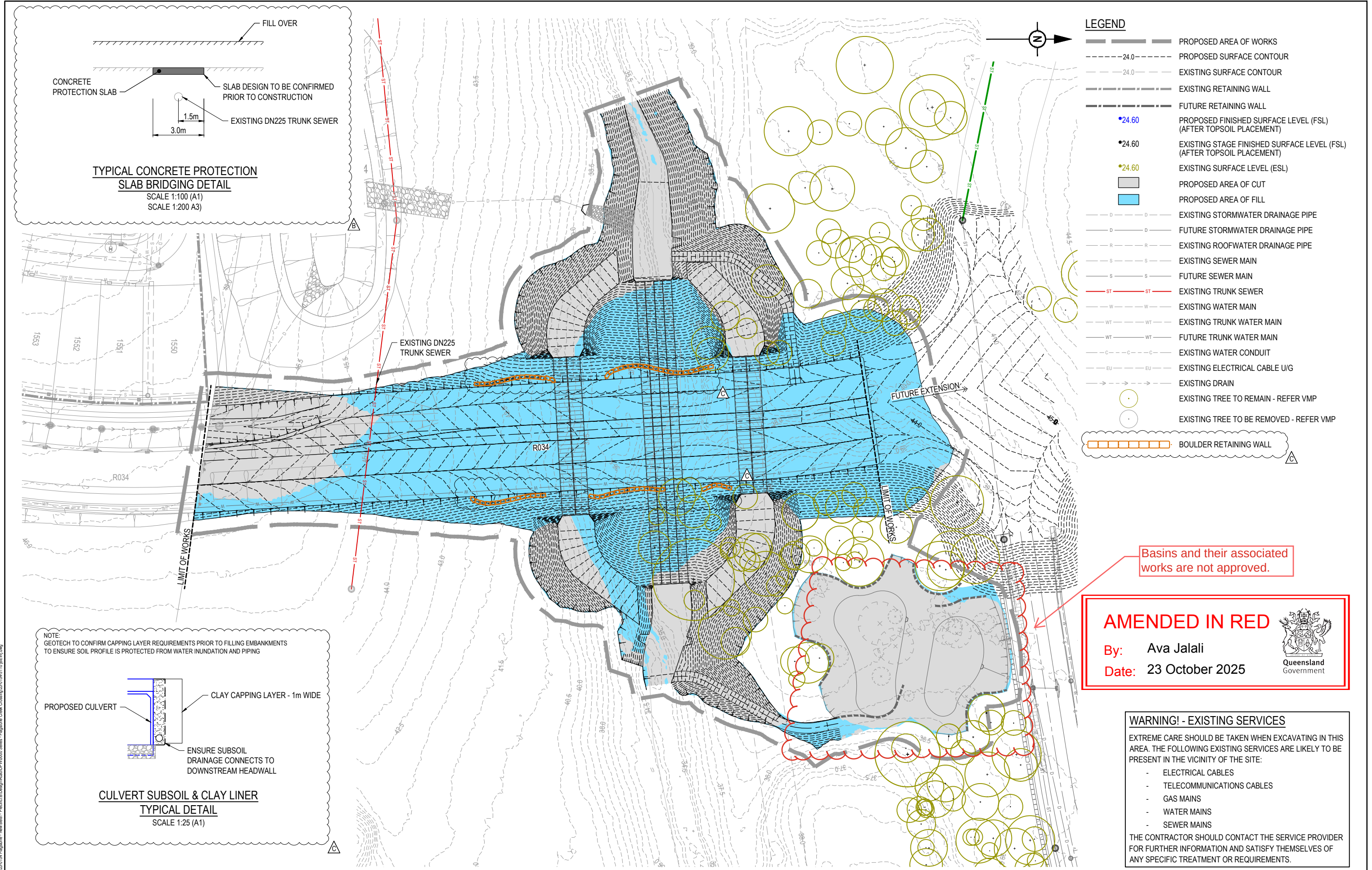


CLIENT	FRASERS PROPERTY AUSTRALIA
ASSOCIATED CONSULTANT	RPS GROUP (07) 3539 9500

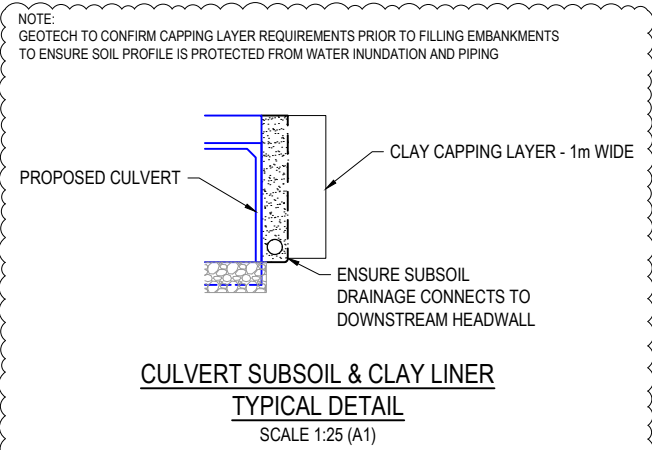
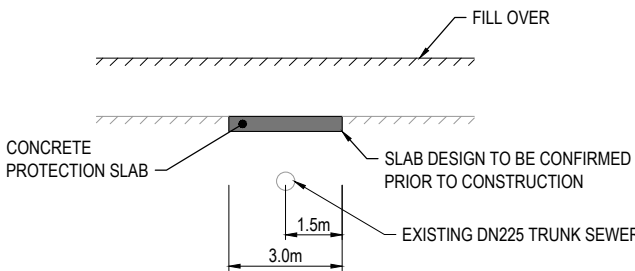
PROJECT NAME	NEW BEITH - PRECINCT B
MOUNTAIN RIDGE ROAD NEW BEITH	

DRAWING TITLE
EXISTING FEATURES LAYOUT PLAN
PROJECT No. 23-0154
DRAWING No. 5100
REVISION B

PLOT: 21 Aug 2025 02:10 PM LOCATION: H:\23\23-0154 Flagstone - New Beith - Precinct B\Drawings\DWG\5000 Series - Flagstone Creek Crossing\23-0154-001 (EX FEATURES).dwg



- LEGEND**
- PROPOSED AREA OF WORKS
 - PROPOSED SURFACE CONTOUR
 - EXISTING SURFACE CONTOUR
 - EXISTING RETAINING WALL
 - FUTURE RETAINING WALL
 - PROPOSED FINISHED SURFACE LEVEL (FSL) (AFTER TOPSOIL PLACEMENT)
 - EXISTING STAGE FINISHED SURFACE LEVEL (FSL) (AFTER TOPSOIL PLACEMENT)
 - EXISTING SURFACE LEVEL (ESL)
 - PROPOSED AREA OF CUT
 - PROPOSED AREA OF FILL
 - EXISTING STORMWATER DRAINAGE PIPE
 - FUTURE STORMWATER DRAINAGE PIPE
 - EXISTING ROOFWATER DRAINAGE PIPE
 - EXISTING SEWER MAIN
 - FUTURE SEWER MAIN
 - EXISTING TRUNK SEWER
 - EXISTING WATER MAIN
 - EXISTING TRUNK WATER MAIN
 - FUTURE TRUNK WATER MAIN
 - EXISTING WATER CONDUIT
 - EXISTING ELECTRICAL CABLE U/G
 - EXISTING DRAIN
 - EXISTING TREE TO REMAIN - REFER VMP
 - EXISTING TREE TO BE REMOVED - REFER VMP
 - BOULDER RETAINING WALL



Basins and their associated works are not approved.

AMENDED IN RED

By: Ava Jalali
Date: 23 October 2025

WARNING! - EXISTING SERVICES

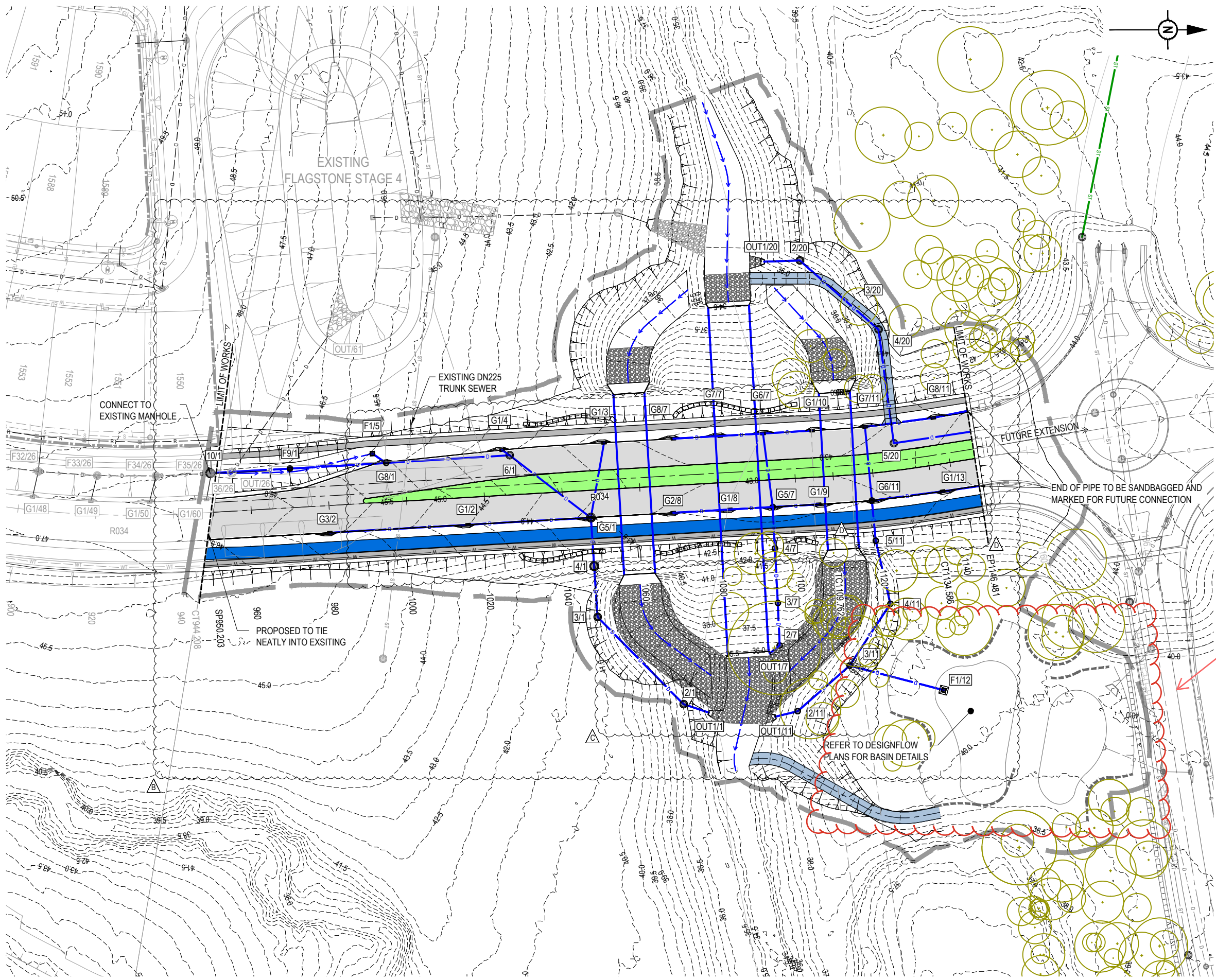
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

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- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS		DRAWN	STATUS			SCALE 1:500 10 5 0 10 20 A1 1:1000  A3	CLIENT FRASERS PROPERTY AUSTRALIA ASSOCIATED CONSULTANT RPS GROUP (07) 3539 9500	PROJECT NAME NEW BEITH - PRECINCT B MOUNTAIN RIDGE ROAD NEW BEITH	DRAWING TITLE			
A	02.05.25	BR	DH	ORIGINAL ISSUE		BR	NOT FOR CONSTRUCTION	DESIGN DANIEL COLLINS  RPEQ 18631					DATE 3.10.25	PROJECT No. 23-0154	DRAWING No. 5110	REVISION C
B	21.08.25	BR	TG	RPI RESPONSE												
C	03.10.25	BR	BR	UPDATED BATTERS FOR LANDSCAPING												
									</							

PLOT - 03 Oct 2025 03:31 PM LOCATION - H:\23-0154 Flagstone - New Beith - Precinct B\Design\DWG\5000 Series - Flagstone Creek Crossing\23-0154-110 BEVI.dwg



LEGEND

- PROPOSED AREA OF WORKS
- PROPOSED ROAD CONTROL LINE
- EXISTING ROAD CROWN
- PROPOSED KERB INVERT LINE
- PROPOSED CONCRETE PATH AND PRAM RAMP
- PROPOSED NEW ROAD PAVEMENT
- PROPOSED CONCRETE ISLAND
- PROPOSED AC CYCLEWAY
- FINISHED SURFACE CONTOUR
- PROPOSED STORMWATER DRAINAGE PIPE
- EXISTING STORMWATER DRAINAGE PIPE
- FUTURE STORMWATER DRAINAGE PIPE
- EXISTING ROOFWATER DRAINAGE PIPE
- EXISTING DRAIN
- EXISTING RETAINING WALL
- FUTURE RETAINING WALL
- EXISTING SEWERAGE MAIN
- FUTURE SEWER MAIN
- EXISTING TRUNK SEWER MAIN
- EXISTING WATER MAIN
- PROPOSED TRUNK WATER MAIN
- EXISTING TRUNK WATER MAIN
- FUTURE TRUNK WATER MAIN
- EXISTING WATER CONDUIT
- EXISTING ELECTRICAL CABLE U/G
- EXISTING TREE TO REMAIN - REFER VMP
- BOULDER RETAINING WALL
- LANDSCAPED MEDIAN - REFER LANDSCAPE ARCHITECT PLANS

Basins and their associated works are not approved.

AMENDED IN RED

By: Ava Jalali

Date: 23 October 2025

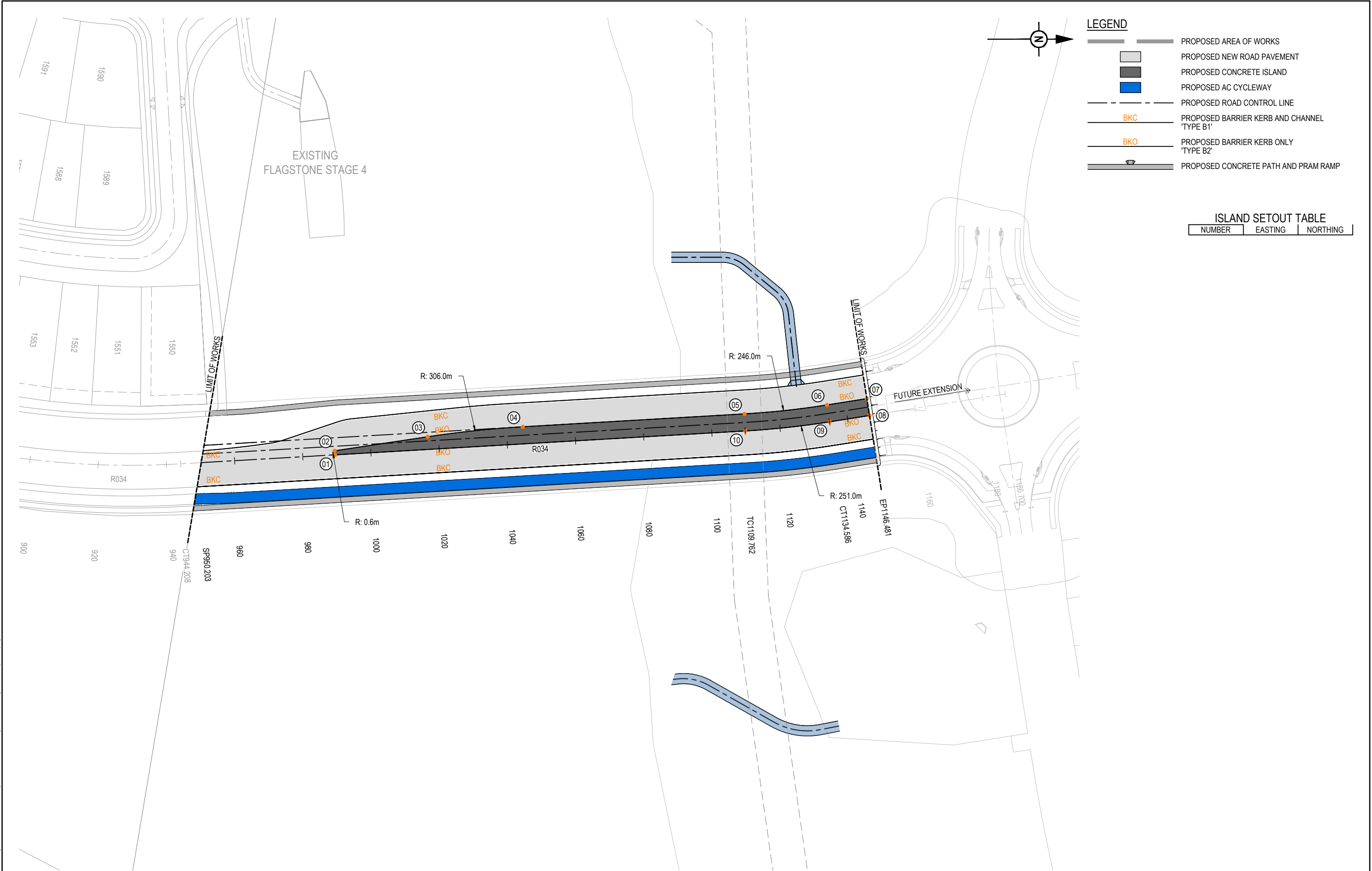
KERB TYPES NOTE:
REFER TO THE SURVEY SETOUT ENGINEERING DRAWING FOR KERB TYPES AND TRANSITION LOCATIONS

WARNING! - EXISTING SERVICES
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

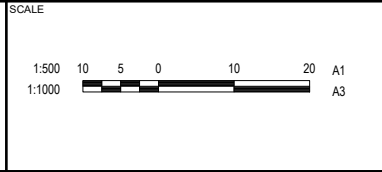
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REV	DATE	DESIGN	DRAWN	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE
A	02.05.25	BR	DH	ORIGINAL ISSUE	BR	NOT FOR CONSTRUCTION	1:500 1:1000	FRASERS PROPERTY AUSTRALIA	NEW BEITH - PRECINCT B	ROADWORKS AND DRAINAGE LAYOUT PLAN
B	21.08.25	BR	TG	RFI RESPONSE	BR					
C	09.09.25	BR	TG	UPDATED SCOUR PROTECTION	BR					
D	03.10.25	BR	BR	UPDATED BATTERS FOR LANDSCAPING	BR					
					DESIGN	APPROVED				
					DANIEL COLLINS	RPEQ 18631				
						DATE				
						3.10.25				
					FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD					
					Colliers					
					ASSOCIATED CONSULTANT					
					RPS GROUP					
					(07) 3539 9500					
					PROJECT No.					
					23-0154					
					DRAWING No.					
					5200					
					REVISION					
					D					



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	02.05.25	BR	DH	ORIGINAL ISSUE
B	21.08.25	BR	TG	RFI RESPONSE

DRAWN	STATUS
TG	NOT FOR CONSTRUCTION
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BR	DANIEL COLLINS RPEQ 18631 21.08.25
FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD	

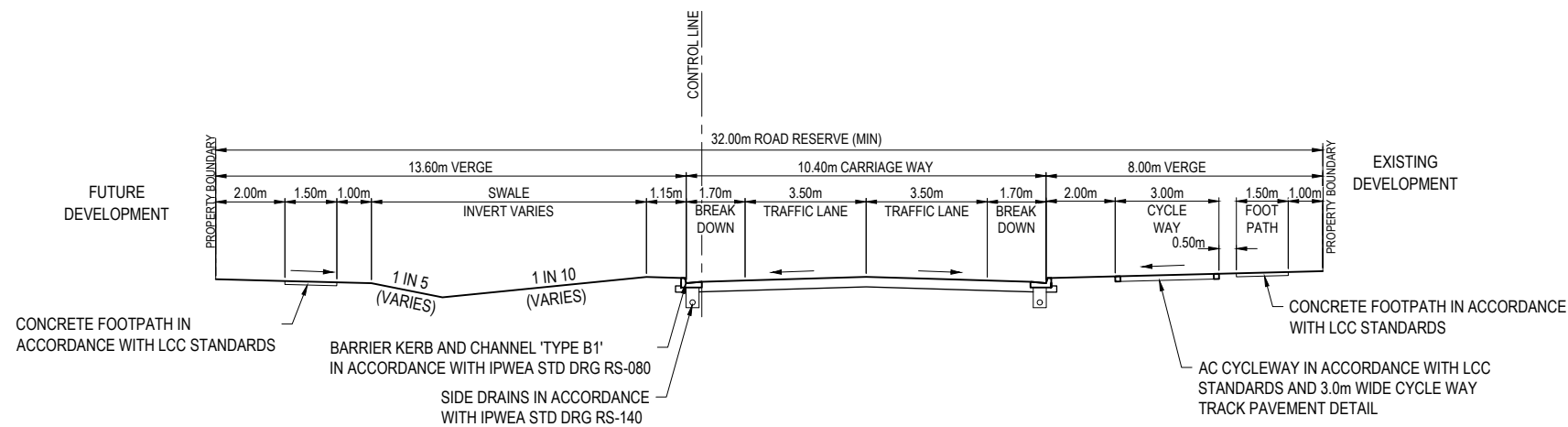


CLIENT	FRASERS PROPERTY AUSTRALIA
ASSOCIATED CONSULTANT	RPS GROUP (07) 3539 9500

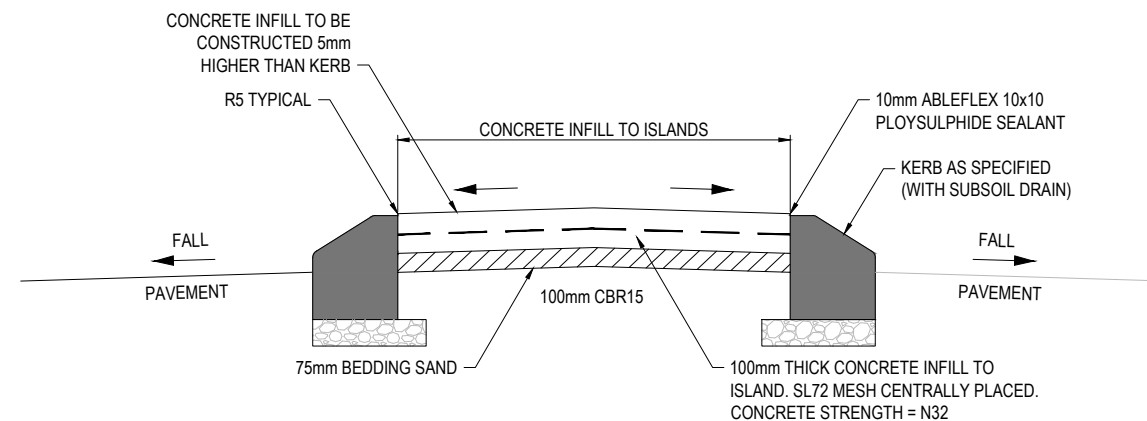
PROJECT NAME	NEW BEITH - PRECINCT B
MOUNTAIN RIDGE ROAD NEW BEITH	

DRAWING TITLE		
SURVEY SETOUT AND KERB TYPES LAYOUT PLAN		
PROJECT No. 23-0154	DRAWING No. 5210	REVISION B

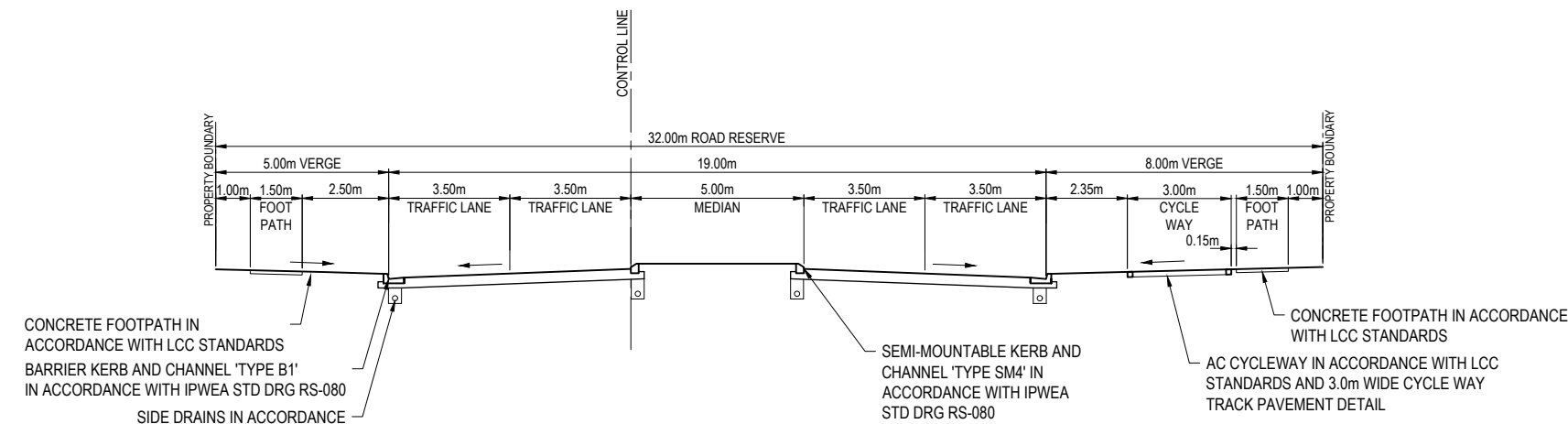
PLOT: 21 Aug 2025 02:12 PM LOCATION: H:\23\230154 Flagstone - New Beith - Precinct B\Design\Road\OPV\5000 Series - Flagstone Creek Crossing\230154\210 SURVEY01.dwg



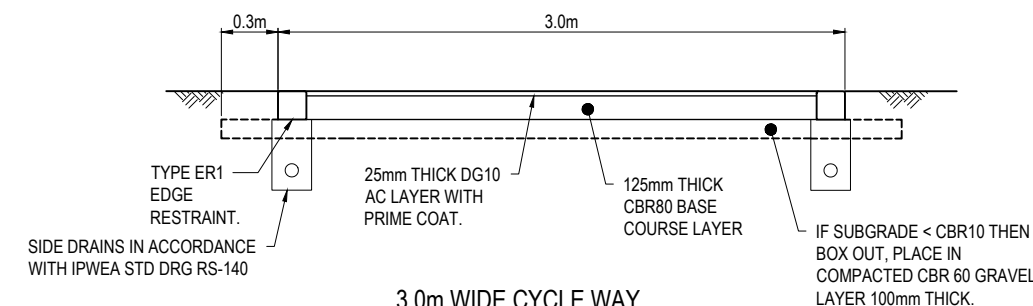
R034 TRUNK CONNECTOR INTERIM TIE IN - TYPICAL
NO ON STREET PARKING



ISLAND WITH CONCRETE INFILL DETAIL
N.T.S



R034 TRUNK CONNECTOR ULTIMATE - TYPICAL
NO ON STREET PARKING



3.0m WIDE CYCLE WAY
TRACK PAVEMENT
SCALE 1:20

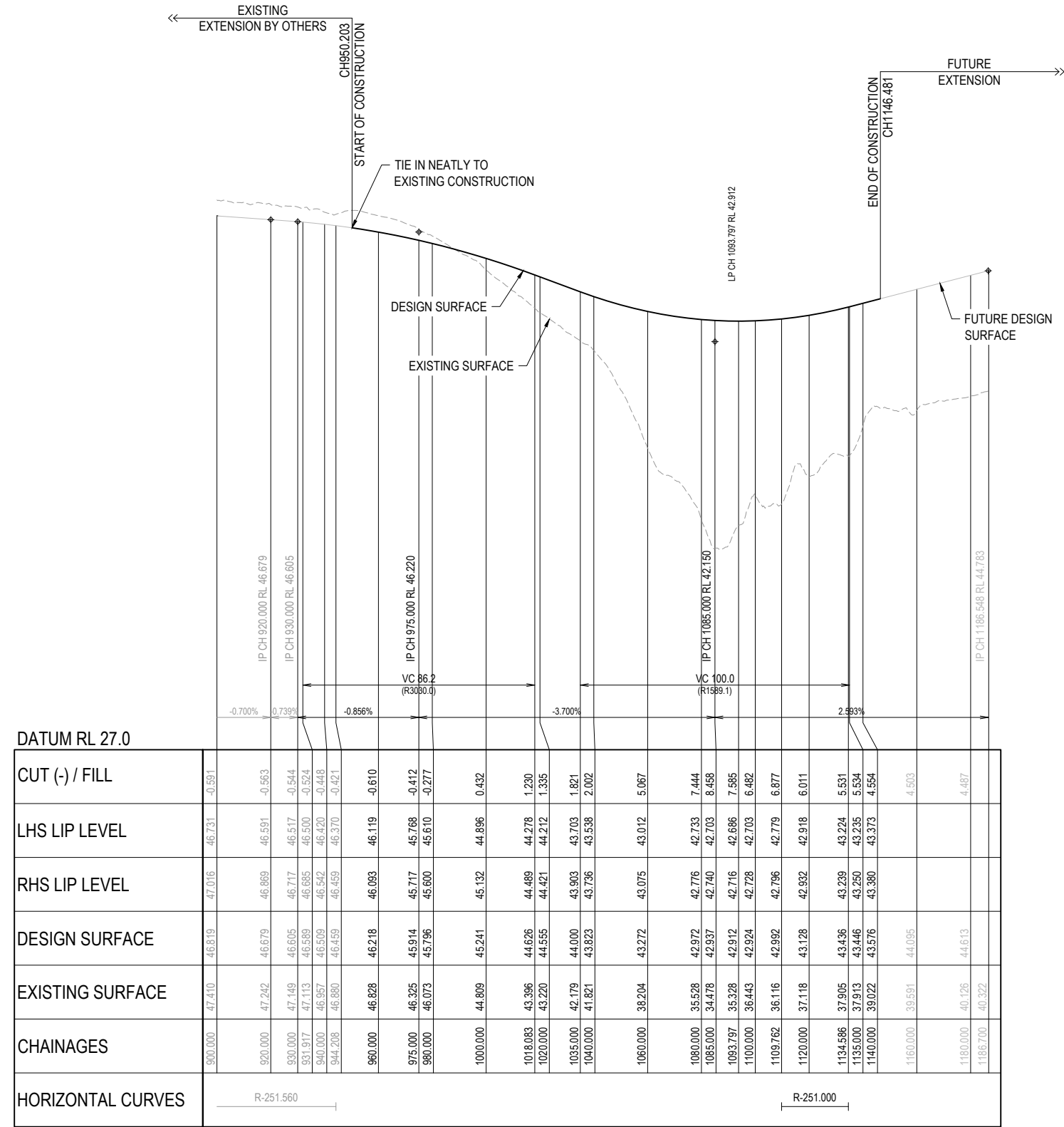
PLOT: 21 Aug 2025 02:12 PM LOCATION: H:\23\230154 Flagstone - New Beith - Precinct B\Design\Road\OPV\5000 Series - Flagstone Creek Crossing\230154\210 SURVEY01.dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE
A	02.05.25	BR	DH	ORIGINAL ISSUE	TG	NOT FOR CONSTRUCTION	1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1	FRASERS PROPERTY AUSTRALIA	NEW BEITH - PRECINCT B	ROAD TYPICAL CROSS SECTIONS AND DETAILS
B	21.08.25	BR	TG	RFI RESPONSE	BR	APPROVED DANIEL COLLINS RPEQ 18631 DATE 21.08.25	1:40 1 0 1 2 3 4 5 A3	ASSOCIATED CONSULTANT RPS GROUP (07) 3539 9500	MOUNTAIN RIDGE ROAD NEW BEITH	PROJECT No. 23-0154 DRAWING No. 5220 REVISION B
						FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD				

ASSUMED PAVEMENT DETAILS (SUBJECT TO CBR TESTING)

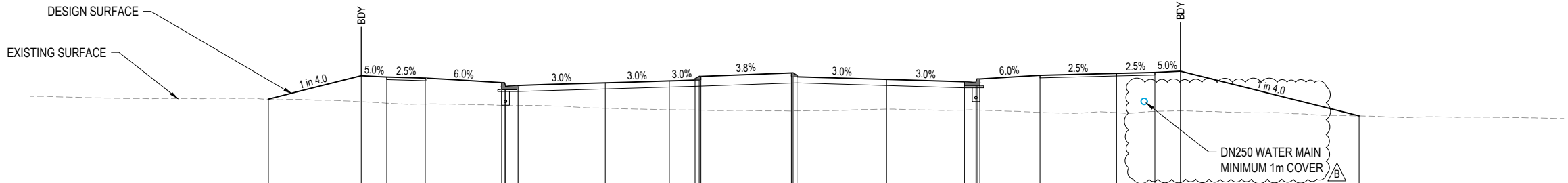
ROAD	ROAD CLASSIFICATION	DESIGN ESAs	ASSUMED CBR	SURFACING	BASE	SUB BASE	LOWER SUB BASE	TOTAL DEPTH
R034	TRUNK CONNECTOR	6.4x10 ⁶	4	50mm	300mm	150mm	150mm	650mm

NOTE: THIS PAVEMENT DESIGN IS PRELIMINARY ONLY BASED ON AN ASSUMED CBR. THE CONTRACTOR SHALL
SUPPLY THE SUPERINTENDENT WITH SUBGRADE TEST RESULTS NECESSARY FOR FINAL PAVEMENT DESIGN

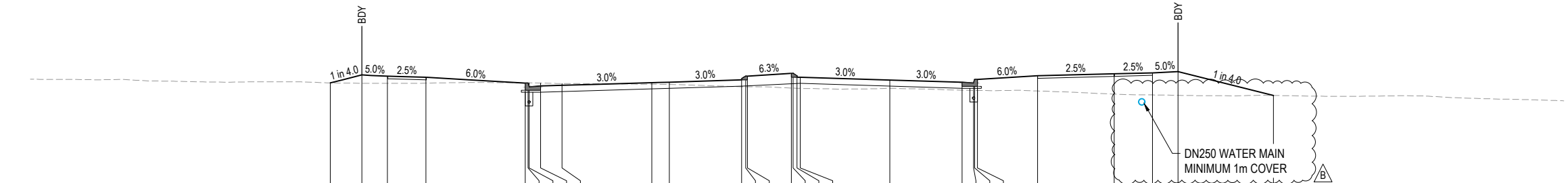


R034B

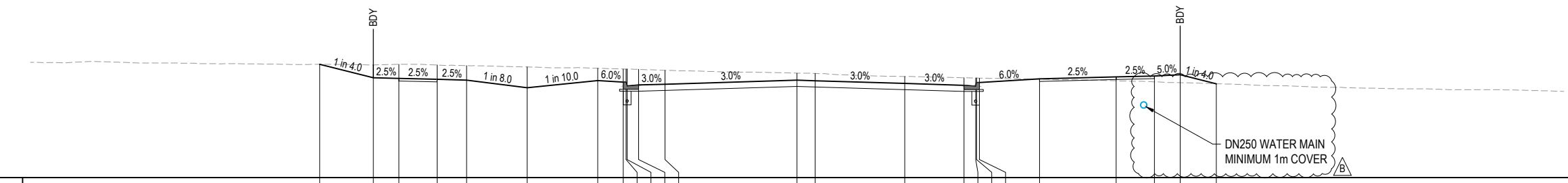
REV	DATE	DESIGN	DRAWN	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE
A	02.05.25	BR	DH	ORIGINAL ISSUE	TG	NOT FOR CONSTRUCTION	1:1000 1:2000	FRASERS PROPERTY AUSTRALIA	NEW BEITH - PRECINCT B	R034 LONGITUDINAL SECTION
B	21.08.25	BR	TG	RFI RESPONSE	BR	APPROVED DANIEL COLLINS RPEQ 18631 DATE 21.08.25	1:100 1:200	ASSOCIATED CONSULTANT RPS GROUP (07) 3539 9500	MOUNTAIN RIDGE ROAD NEW BEITH	PROJECT No. 23-0154 DRAWING No. 5230 REVISION B



RL39.000	
DESIGN SURFACE	43.680 43.590 44.540 44.502 44.322 44.322 44.172 44.212 44.214 44.316 44.391 44.421 44.571 44.571 44.705 44.705 44.605 44.450 44.359 44.319 44.469 44.469 44.610 44.610 44.885 44.722 44.722 43.024
EXISTING SURFACE	43.674 43.578 44.540 44.502 44.322 44.322 44.172 44.212 44.214 44.316 44.391 44.421 44.571 44.571 44.705 44.705 44.605 44.450 44.359 44.319 44.469 44.469 44.610 44.610 44.885 44.722 44.722 43.024
OFFSET	-20.688 -17.052 -16.052 -14.552 -11.557 -11.447 -11.407 -10.957 -10.914 -7.502 -5.000 -3.990 -3.830 -3.765 -0.225 -0.160 0.000 3.500 6.550 7.000 7.040 7.150 9.500 12.500 14.000 15.000 21.994



RL41.000	
DESIGN SURFACE	45.018 45.327 45.277 45.240 45.006 45.006 44.856 44.896 44.922 45.027 45.047 45.132 45.282 45.282 45.391 45.391 45.291 45.237 45.132 45.047 45.007 45.157 45.298 45.373 45.411 45.461 44.527
EXISTING SURFACE	45.018 45.004 45.000 45.008 45.020 45.020 44.856 44.896 44.922 45.027 45.047 45.132 45.282 45.282 45.391 45.391 45.291 45.237 45.132 45.047 45.007 45.157 45.298 45.373 45.411 45.461 44.527
OFFSET	-18.266 -17.027 -16.027 -14.527 -10.637 -10.527 -10.487 -10.037 -9.198 -5.684 -5.000 -2.169 -2.009 -1.944 -0.225 -0.160 0.000 0.127 3.629 6.457 6.907 6.947 7.057 9.407 12.407 13.907 14.907 18.641



RL42.000	
DESIGN SURFACE	46.416 45.892 45.867 45.829 45.801 45.604 45.780 45.720 45.720 45.570 45.610 45.641 45.796 45.774 45.669 45.600 45.560 45.710 45.851 45.926 45.963 46.013 45.658
EXISTING SURFACE	46.416 46.396 46.414 46.389 46.366 46.315 46.263 46.235 46.233 46.232 46.219 46.185 46.073 46.062 45.944 45.893 45.883 45.879 45.836 45.772 45.735 45.702 45.658
OFFSET	-18.679 -15.582 -15.582 -14.082 -12.930 -10.557 -7.798 -6.798 -6.688 -6.648 -6.198 -5.164 0.000 0.710 4.211 6.536 6.986 7.136 9.486 12.486 13.986 14.986 16.406

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	02.05.25	BR	DH	ORIGINAL ISSUE
B	21.08.25	BR	TG	RPI RESPONSE

DRAWN	STATUS
BR	NOT FOR CONSTRUCTION
DESIGN	APPROVED
BR	DANIEL COLLINS RPEQ 18631 9.09.25
FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD	

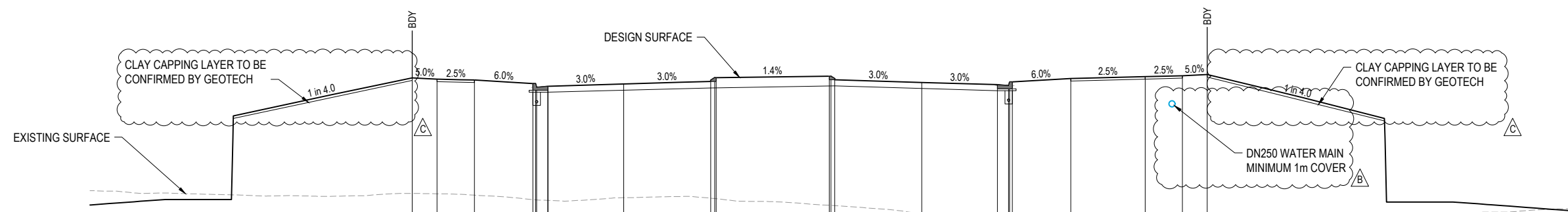


SCALE

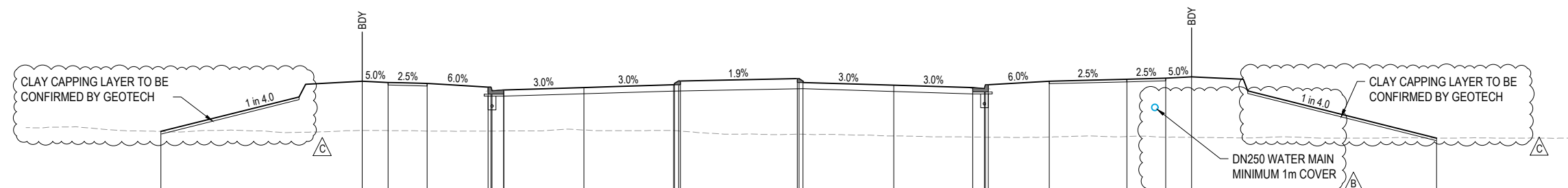
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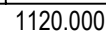
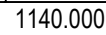
CLIENT	PROJECT NAME	DRAWING TITLE
FRASERS PROPERTY AUSTRALIA	NEW BEITH - PRECINCT B	R034 CROSS SECTIONS SHEET 2 OF 5
ASSOCIATED CONSULTANT	MOUNTAIN RIDGE ROAD NEW BEITH	PROJECT No. 23-0154
RPS GROUP (07) 3539 9500		DRAWING No. 5232
		REVISION B



RL34.000		
DESIGN SURFACE		43.351
EXISTING SURFACE		43.301
OFFSET		43.263
		43.122
		43.122
		42.972
		43.012
		43.012
		43.103
		43.208
		43.358
		43.358
		43.422
		43.422
		43.322
		43.167
		43.075
		43.035
		43.185
		43.185
		43.326
		43.401
		43.439
		43.489

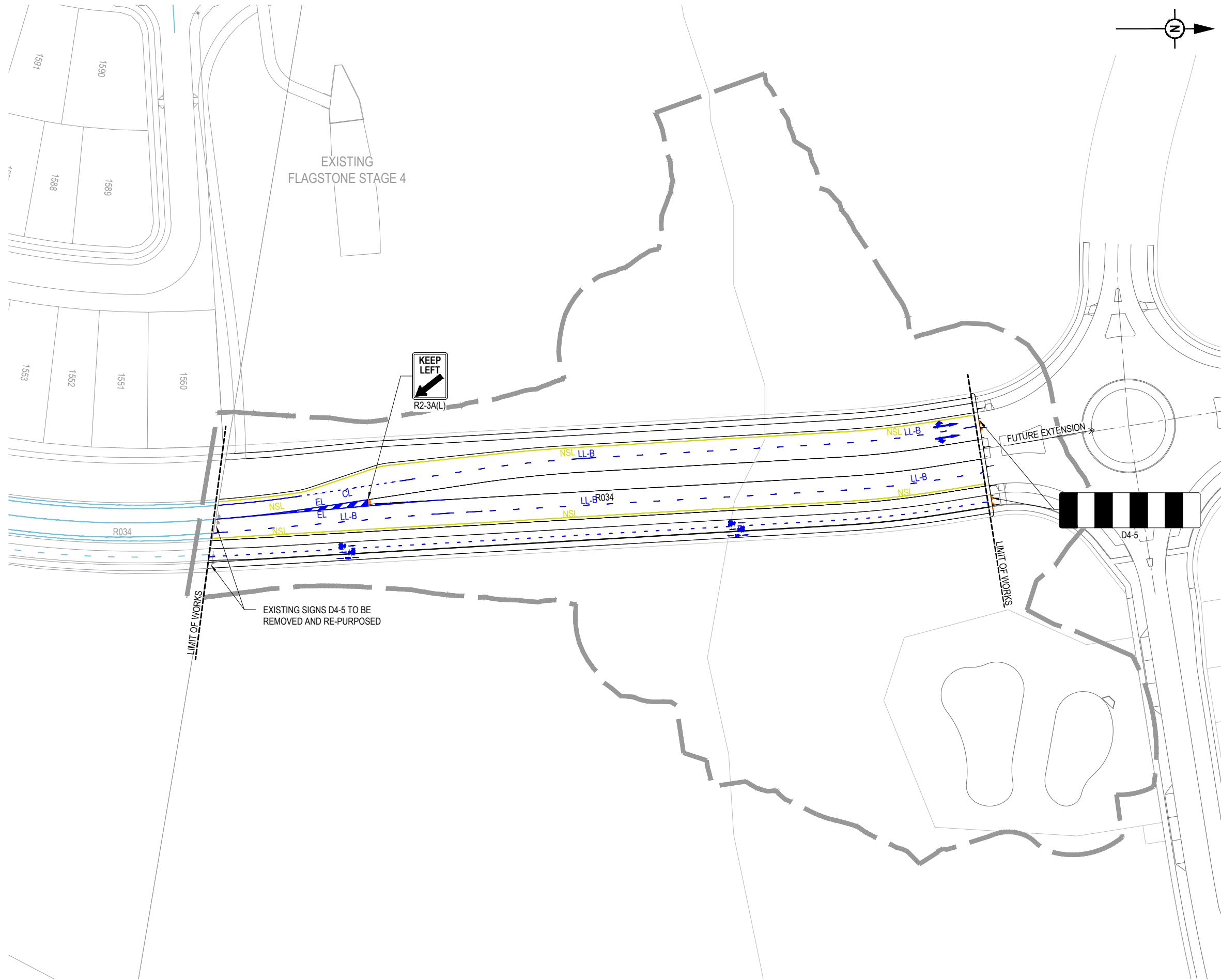
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REV	DATE	DESIGN	DRAWN	REVISION DETAILS			DRAWN	STATUS		SCALE		CLIENT	PROJECT NAME NEW BEITH - PRECINCT B	DRAWING TITLE				
A	02.05.25	BR	DH	ORIGINAL ISSUE			TG	NOT FOR CONSTRUCTION		1:100 1:200				FRASERS PROPERTY AUSTRALIA	MOUNTAIN RIDGE ROAD NEW BEITH	R034 CROSS SECTIONS SHEET 5 OF 5		
B	21.08.25	BR	TG	RFI RESPONSE														
							DESIGN	APPROVED DANIEL COLLINS RPEQ 18631 DATE 21.08.25									PROJECT No. 23-0154	DRAWING No. 5235
							BR	 FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD										

PLOT: 21 Aug 2025 02:13 PM LOCATION: H:\23-0154 Flagstone - New Beith - Precinct B\Design\Aust\OPV\5000 Series - Flagstone Creek Crossing\23-0154-0270\SIGNS & LAYOUT.dwg



LEGEND	
	PROPOSED AREA OF WORKS
	PROPOSED ROAD SIGN
	PROPOSED END OF ROAD SIGN
	EXISTING STREET NAME SIGN
	EXISTING END OF ROAD SIGN
	PROPOSED NO STOPPING LINE
	PROPOSED LANE LINE - BROKEN
	PROPOSED EDGE LINE
	PROPOSED CONTINUITY LINE
	PROPOSED BICYCLE LANE
	EXISTING LINEMARKING (LINETYPES AS PER PROPOSED)
	FUTURE LINEMARKING (LINETYPES AS PER PROPOSED)

- NOTES:
- ALL SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LCC STANDARDS.
 - TRAFFIC SIGN POSTS SHALL BE IN ACCORDANCE WITH LCC STANDARD DRAWINGS.
 - STREET NAME SIGN SHALL BE IN ACCORDANCE WITH LCC STANDARD DRAWINGS.
 - CONTRACTOR TO ENSURE SIGN LOCATIONS ARE CLEAR OF FUTURE DRIVEWAY LOCATIONS - LOCATE ON PB OR MID BLOCK.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	02.05.25	BR	DH	ORIGINAL ISSUE
B	21.08.25	BR	TG	RFI RESPONSE

DRAWN	STATUS
TG	NOT FOR CONSTRUCTION
DESIGN	APPROVED
BR	DANIEL COLLINS RPEQ 18631 DATE 21.08.25
FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD	

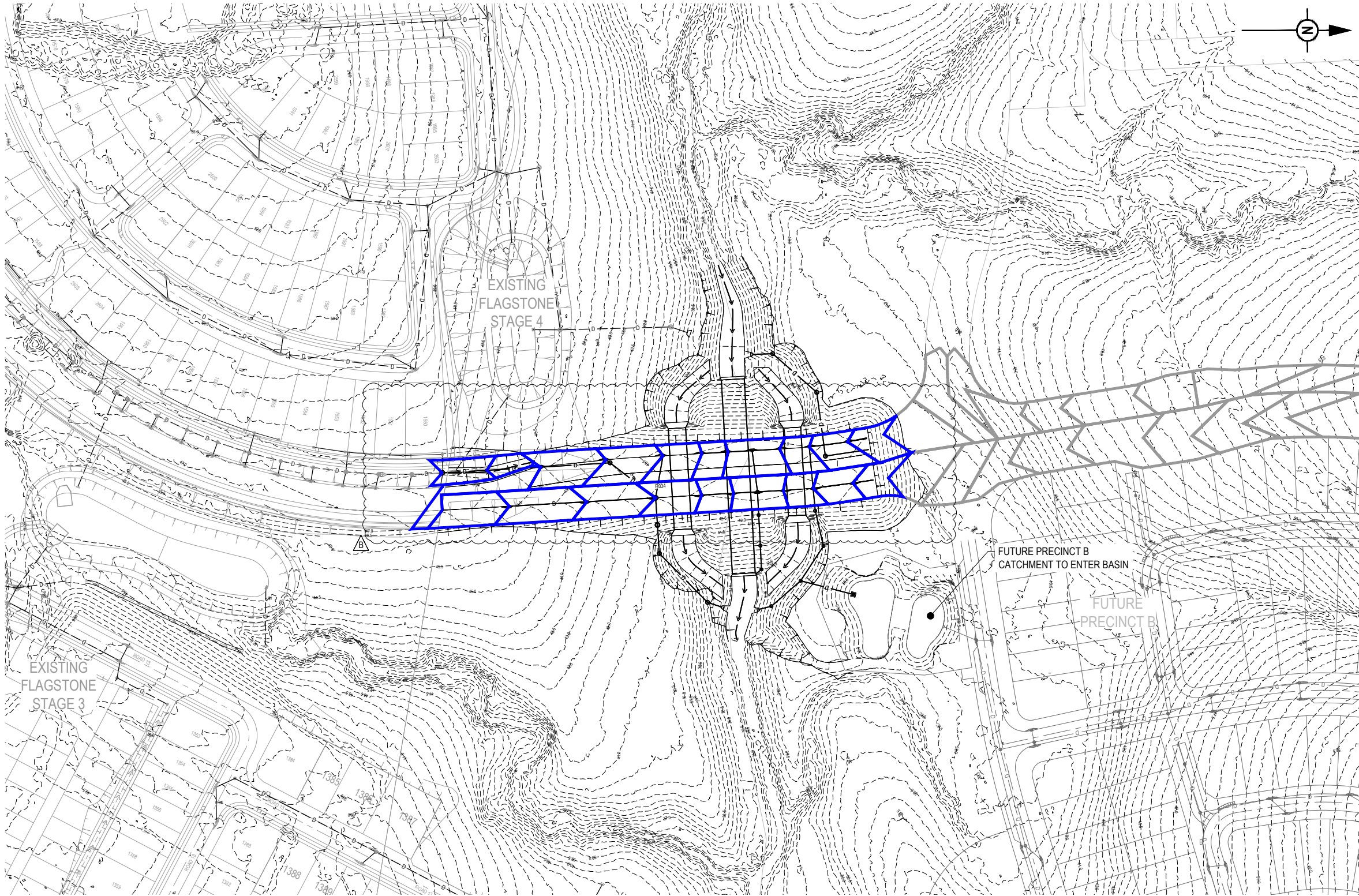


SCALE
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1:1000

CLIENT
FRASERS PROPERTY AUSTRALIA
ASSOCIATED CONSULTANT
RPS GROUP (07) 3539 9500

PROJECT NAME
NEW BEITH - PRECINCT B
MOUNTAIN RIDGE ROAD NEW BEITH

DRAWING TITLE		
SIGNS AND LINEMARKING LAYOUT PLAN		
PROJECT No. 23-0154	DRAWING No. 5270	REVISION B



LEGEND

G1/1

CATCHMENT NAME

CATCHMENT BOUNDARY

EXISTING STAGE CATCHMENT BOUNDARY

D D

PROPOSED STORMWATER DRAINAGE PIPE

D D

EXISTING STORMWATER DRAINAGE PIPE

D D

FUTURE STORMWATER DRAINAGE PIPE

R R

EXISTING ROOFWATER DRAINAGE PIPE

EXISTING SWALE DRAIN

-24.0 -

FINISHED SURFACE CONTOUR

CATCHMENT FLOW DIRECTION ARROW

CATCHMENT NAME	CATCHMENT AREA (ha)
F8/1	0.028
G7/1	0.078
G5/1	0.141
G2/2	0.044
G1/2	0.053
G1/3	0.044
G1/4	0.049
F1/5	0.015
G8/7	0.034
G7/7	0.022
G6/7	0.092
G5/7	0.114
G2/8	0.037
G1/8	0.023
G1/9	0.023
G1/10	0.025
G10/11	0.052
G8/11	0.028
G7/11	0.033
G6/11	0.058
G3/13	0.047
G1/13	0.027

PLOT: 21 Aug 2025 02:14 PM LOCATION: H:\23\20154 Flagstone - New Beith - Precinct B\Drawings\DWG\5000 Series - Flagstone Creek Crossing\23-0154-5300 (CATCHMENT).dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	02.05.25	BR	DH	ORIGINAL ISSUE
B	21.08.25	BR	TG	RFI RESPONSE

DRAWN	STATUS
TG	NOT FOR CONSTRUCTION
DESIGN	APPROVED
BR	DANIEL COLLINS RPEQ 18631 21.08.25
FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD	

SCALE

1:1000 10 0 10 20 30 40 50 A1

1:2000

CLIENT

FRASERS PROPERTY AUSTRALIA

ASSOCIATED CONSULTANT

RPS GROUP (07) 3539 9500

PROJECT NAME

NEW BEITH - PRECINCT B

MOUNTAIN RIDGE ROAD NEW BEITH

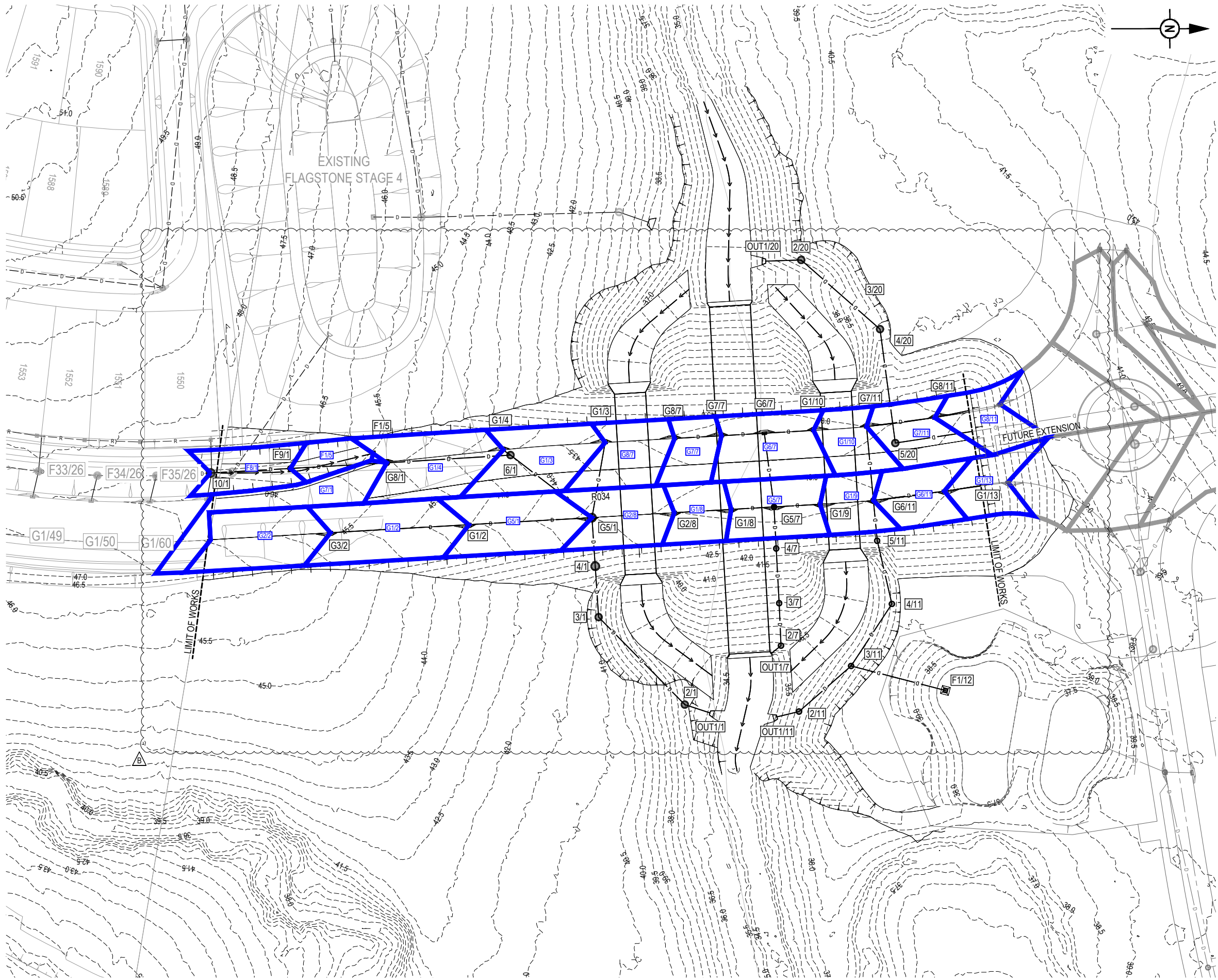
DRAWING TITLE

STORMWATER DRAINAGE EXTERNAL CATCHMENT LAYOUT PLAN

PROJECT No. 23-0154

DRAWING No. 5300

REVISION B



LEGEND

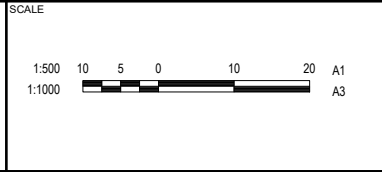
- G1/1 CATCHMENT NAME
- CATCHMENT BOUNDARY
- EXISTING STAGE CATCHMENT BOUNDARY
- PROPOSED STORMWATER DRAINAGE PIPE
- EXISTING STORMWATER DRAINAGE PIPE
- EXISTING ROOFWATER DRAINAGE PIPE
- EXISTING SWALE DRAIN
- FINISHED SURFACE CONTOUR
- CATCHMENT FLOW DIRECTION ARROW

CATCHMENT NAME	CATCHMENT AREA (ha)
9/1	0.056
8/1	0.038
7/1	0.028
5/1	0.09
4/2	0.025
3/2	0.027
2/2	0.03
1/2	0.032
1/3	0.029
1/4	0.032
1/5	0.015
1/6	0.019
9/7	0.025
8/7	0.024
7/7	0.017
6/7	0.08
5/7	0.108
3/8	0.025
2/8	0.021
1/8	0.016
1/9	0.023
1/10	0.024
8/11	0.025
7/11	0.023
6/11	0.046
1/13	0.022

PLOT: 21 Aug 2025 02:14 PM LOCATION: H:\23-0154 Flagstone - New Beith - Precinct B Design\Aerial\OPV\5000 Series - Flagstone Creek Crossing\23-0154-0300 [CATCHMENT].dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	02.05.25	BR	DH	ORIGINAL ISSUE
B	21.08.25	BR	TG	RFI RESPONSE

DRAWN	STATUS
TG	NOT FOR CONSTRUCTION
DESIGN	APPROVED
BR	DANIEL COLLINS RPEQ 18631 DATE 21.08.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD	



CLIENT	FRASERS PROPERTY AUSTRALIA
ASSOCIATED CONSULTANT	RPS GROUP (07) 3539 9500

PROJECT NAME	NEW BEITH - PRECINCT B
MOUNTAIN RIDGE ROAD NEW BEITH	

DRAWING TITLE
STORMWATER DRAINAGE CATCHMENT LAYOUT PLAN
PROJECT No. 23-0154
DRAWING No. 5310
REVISION B

PLOT: 21 Aug 2025 02:45 PM LOCATION: H:\23\230154 Flragione - New Beith - Precinct B\Design\Asad\DWG\5000 Series - Flragione Creek Crossing\230154-5320 [SNO] L.S. CALCUS & STRUC. DETAILS.dwg

STRUCTURE NAME	9/1	F8/1	G7/1	6/1	G5/1	4/1	3/1	2/1	OUT/1
STRUCTURE DESCRIPTION	STD MANHOLE 1800mm DIA	900x600 GULLY WITH INVERTED GRATED LID	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C ON 1200Ø MH	STD MANHOLE 1500mm DIA	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C ON 1200Ø MH	STD MANHOLE 1800mm DIA	STD MANHOLE 1500mm DIA	STD MANHOLE 1500mm DIA	HEADWALL
PIPE SIZE (mm)	825	825	825	825	825	900	900	1050	
PIPE CLASS	3	3	3	3	3	3	3	3	
PIPE GRADE (%)	0.70%	2.10%	3.07%	2.54%	2.00%	4.80%	9.80%	0.10%	
PIPE SLOPE (1 in X)	142.86	47.65	32.57	39.42	50.00	20.83	10.20	1000.12	
FULL PIPE VELOCITY (m/s)	1.26	1.28	1.32	1.35	1.48	1.24	1.24	0.91	
PART FULL VELOCITY (m/s)	2.31	3.49	4.04	3.79	3.56	4.86	6.27	1.13	
DATUM RL	27.0								
H.G.L IN PIPE & W.S.E IN STRUCTURE	44.413 44.413	44.276 44.276	44.254 43.748 43.748	43.721 42.783 42.783	42.723 42.168 42.170	42.059 41.629 39.732	39.523 38.644 38.206	38.131 34.822 34.822	34.749 34.749
PIPE FLOW (Cumecs)	0.675	0.685	0.704	0.722	0.790	0.789	0.789	0.789	
PIPE CAPACITY AT GRADE (Cumecs)	1.201	2.080	2.516	2.287	2.031	3.968	5.670	0.864	
DEPTH TO INVERT	1.992	2.025	2.045	1.764	1.793	1.414	1.992	1.154	
INVERT LEVEL OF DRAIN	43.918	43.775	43.755	42.238	41.542	41.272	34.523	34.251	
DESIGN SURFACE LEVEL	45.910	45.799	45.037	44.003	43.515	42.686	36.514	35.404	
SETOUT COORDINATES	E 3304.693 N 7090.502	E 3303.533 N 7110.984	E 3302.094 N 7135.703	E 3300.107 N 7167.445	E 3316.156 N 7188.334	E 3328.604 N 7186.185	E 3341.659 N 7190.046	E 3364.075 N 7212.150	E 3366.223 N 7218.656
RUNNING CHAINAGE	0.000	20.515	24.761	45.276	31.804	77.080	26.342	103.422	12.478

STRUCTURE NAME	G2/2	G1/2	G5/1
STRUCTURE DESCRIPTION	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C ON 1200Ø MH
PIPE SIZE (mm)	375	375	
PIPE CLASS	3	3	
PIPE GRADE (%)	2.71%	3.44%	
PIPE SLOPE (1 in X)	36.87	29.04	
FULL PIPE VELOCITY (m/s)	0.15	0.32	
PART FULL VELOCITY (m/s)	1.41	1.93	
DATUM RL	29.0		
H.G.L IN PIPE & W.S.E IN STRUCTURE	44.405 44.397	43.432 43.432	42.279 42.170
PIPE FLOW (Cumecs)	0.016	0.035	
PIPE CAPACITY AT GRADE (Cumecs)	0.289	0.325	
DEPTH TO INVERT	1.313	1.295	1.319
INVERT LEVEL OF DRAIN	44.307	43.343	42.196
DESIGN SURFACE LEVEL	45.620	44.638	43.515
SETOUT COORDINATES	E 3320.023 N 7121.274	E 3317.994 N 7156.776	E 3316.156 N 7188.334
RUNNING CHAINAGE	0.000	35.560	67.171

STRUCTURE NAME	G1/3	G5/1
STRUCTURE DESCRIPTION	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C ON 1200Ø MH
PIPE SIZE (mm)	375	
PIPE CLASS	3	
PIPE GRADE (%)	0.40%	
PIPE SLOPE (1 in X)	250.00	
FULL PIPE VELOCITY (m/s)	0.15	
PART FULL VELOCITY (m/s)	0.72	
DATUM RL	28.0	
H.G.L IN PIPE & W.S.E IN STRUCTURE	42.182 42.171	42.168 42.170
PIPE FLOW (Cumecs)	0.016	
PIPE CAPACITY AT GRADE (Cumecs)	0.111	
DEPTH TO INVERT	1.120	1.549
INVERT LEVEL OF DRAIN	42.044	41.966
DESIGN SURFACE LEVEL	43.165	43.515
SETOUT COORDINATES	E 3296.877 N 7191.726	E 3316.156 N 7188.334
RUNNING CHAINAGE	0.000	19.574

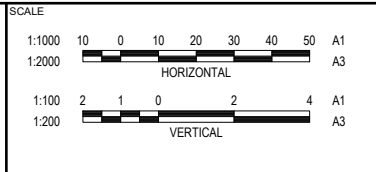
STRUCTURE NAME	G1/4	6/1
STRUCTURE DESCRIPTION	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C	STD MANHOLE 1500mm DIA
PIPE SIZE (mm)	375	
PIPE CLASS	3	
PIPE GRADE (%)	0.40%	
PIPE SLOPE (1 in X)	249.98	
FULL PIPE VELOCITY (m/s)	0.16	
PART FULL VELOCITY (m/s)	0.74	
DATUM RL	30.0	
H.G.L IN PIPE & W.S.E IN STRUCTURE	42.966 42.954	42.937 42.783
PIPE FLOW (Cumecs)	0.018	
PIPE CAPACITY AT GRADE (Cumecs)	0.111	
DEPTH TO INVERT	1.195	1.160
INVERT LEVEL OF DRAIN	42.852	42.843
DESIGN SURFACE LEVEL	44.048	44.003
SETOUT COORDINATES	E 3298.752 N 7165.510	E 3300.107 N 7167.445
RUNNING CHAINAGE	0.000	2.363

STRUCTURE NAME	F1/5	G7/1
STRUCTURE DESCRIPTION	900x900 GULLY WITH INVERTED GRATED LID	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C ON 1200Ø MH
PIPE SIZE (mm)	375	
PIPE CLASS	3	
PIPE GRADE (%)	0.40%	
PIPE SLOPE (1 in X)	250.00	
FULL PIPE VELOCITY (m/s)	0.05	
PART FULL VELOCITY (m/s)	0.52	
DATUM RL	31.0	
H.G.L IN PIPE & W.S.E IN STRUCTURE	44.100 44.099	44.078 43.748
PIPE FLOW (Cumecs)	0.005	
PIPE CAPACITY AT GRADE (Cumecs)	0.111	
DEPTH TO INVERT	1.409	1.010
INVERT LEVEL OF DRAIN	44.043	44.026
DESIGN SURFACE LEVEL	45.453	45.037
SETOUT COORDINATES	E 3299.659 N 7132.199	E 3302.094 N 7135.703
RUNNING CHAINAGE	0.000	4.267

STRUCTURE NAME	G8/7	G7/7	G6/7	G5/7	4/7	3/7	2/7	OUT/7
STRUCTURE DESCRIPTION	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C	STD TYPE A GULLY L.I.L.: 2.4m Linel; TYPE B K&C	STD TYPE A GULLY (SAG) L.I.L.: 3.6m Linel; TYPE B K&C	STD TYPE A GULLY (SAG) L.I.L.: 3.6m Linel; TYPE B K&C ON 1200Ø MH	STD MANHOLE 1200mm DIA	STD MANHOLE 1200mm DIA	STD MANHOLE 1200mm DIA	HEADWALL
PIPE SIZE (mm)	375	375	375	375	375	375	375	
PIPE CLASS	3	3	3	3	3	3	3	
PIPE GRADE (%)	0.98%	0.40%	0.40%	0.40%	9.80%	9.80%	0.40%	
PIPE SLOPE (1 in X)	102.43	250.00	250.00	250.00	10.20	10.20	250.02	
FULL PIPE VELOCITY (m/s)	0.11	0.18	0.41	0.80	0.79	0.79	0.79	
PART FULL VELOCITY (m/s)	0.91	0.76	0.95	1.11	3.64	3.64	1.11	
DATUM RL	25.0							
H.G.L IN PIPE & W.S.E IN STRUCTURE	41.567 41.563	41.511 41.511	41.508 41.505 41.509	41.486 41.473 41.473	41.434 41.361 39.479	39.394 37.902 36.556	35.288 34.685	34.567 34.567
PIPE FLOW (Cumecs)	0.012	0.020	0.045	0.088	0.088	0.087	0.087	
PIPE CAPACITY AT GRADE (Cumecs)	0.173	0.111	0.111	0.111	0.549	0.549	0.111	
DEPTH TO INVERT	1.326	1.316	1.336	1.343	1.469	1.160	0.993	
INVERT LEVEL OF DRAIN	41.484	41.367	41.347	41.283	41.206	37.801	34.350	
DESIGN SURFACE LEVEL	42.811	42.683	42.645	42.676	41.144	36.254	35.343	
SETOUT COORDINATES	E 3295.840 N 7209.539	E 3295.140 N 7221.555	E 3294.498 N 7232.574	E 3313.395 N 7235.049	E 3324.057 N 7235.605	E 3338.082 N 7236.363	E 3348.967 N 7236.841	E 3350.930 N 7234.569
RUNNING CHAINAGE	0.000	12.036	12.036	23.075	42.133	66.854	80.763	

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	02.05.25	BR	DH	ORIGINAL ISSUE
B	21.08.25	BR	TG	RFI RESPONSE

DRAWN	STATUS
TG	NOT FOR CONSTRUCTION
DESIGN	APPROVED
BR	DANIEL COLLINS RPEQ 18631 21.08.25
FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD	



CLIENT
FRASERS PROPERTY AUSTRALIA
ASSOCIATED CONSULTANT
RPS GROUP (07) 3539 9500

PROJECT NAME
NEW BEITH - PRECINCT B
MOUNTAIN RIDGE ROAD NEW BEITH

DRAWING TITLE		
STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 3		
PROJECT No.	DRAWING No.	REVISION
23-0154	5320	B

PIPE SIZE (mm)		375	375
PIPE CLASS		3	3
PIPE GRADE (%)		1.30%	0.40%
PIPE SLOPE (1 in X)		76.69	250.00
FULL PIPE VELOCITY (m/s)		0.12	0.20
PART FULL VELOCITY (m/s)		1.03	0.78
DATUM RL		25.0	
H.G.L IN PIPE & W.S.E IN STRUCTURE	41.692	41.686 41.510 41.510	41.507 41.473 41.473
PIPE FLOW (Cumecs)		0.013	0.022
PIPE CAPACITY AT GRADE (Cumecs)		0.200	0.111
DEPTH TO INVERT	1.333	1.320 1.340	1.325
INVERT LEVEL OF DRAIN	41.605	41.414 41.394	41.350
DESIGN SURFACE LEVEL	42.938		42.735
SETOUT COORDINATES	E 3314.900 N 7209.472	E 3314.041 N 7224.057	E 3313.395
RUNNING CHAINAGE	0.000	14.610	14.610 11.011

[illegible][illegible]

E 3287.046	0.000 7.231	E 3288.508 N 7285.929	43.724 43.703	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	2.20% 45.45	375 3	2.20% 45.45	375 3	1.81% 55.13	1.00% 100.00	375 3	1.00% 100.00	375 3	2.00% 50.00	5.07% 19.73	375 3	1.93% 51.75	0.40% 250.00	375 3	0.17 1.37	0.17 1.37	0.26 1.45	0.37 1.29	0.70 1.54	0.70 1.99	0.70 2.77	0.70 1.88	0.69 1.08
E 3287.010	7.231 9.849	E 3290.500 N 7276.283	43.724 43.703	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	2.20% 45.45	375 3	2.20% 45.45	375 3	1.81% 55.13	1.00% 100.00	375 3	1.00% 100.00	375 3	2.00% 50.00	5.07% 19.73	375 3	1.93% 51.75	0.40% 250.00	375 3	0.17 1.37	0.17 1.37	0.26 1.45	0.37 1.29	0.70 1.54	0.70 1.99	0.70 2.77	0.70 1.88	0.69 1.08
E 3287.076	17.080 17.658	E 3292.796 N 7258.775	43.724 43.703	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	2.20% 45.45	375 3	2.20% 45.45	375 3	1.81% 55.13	1.00% 100.00	375 3	1.00% 100.00	375 3	2.00% 50.00	5.07% 19.73	375 3	1.93% 51.75	0.40% 250.00	375 3	0.17 1.37	0.17 1.37	0.26 1.45	0.37 1.29	0.70 1.54	0.70 1.99	0.70 2.77	0.70 1.88	0.69 1.08
E 3287.132	34.738 19.018	E 3311.732 N 7260.544	43.724 43.703	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	2.20% 45.45	375 3	2.20% 45.45	375 3	1.81% 55.13	1.00% 100.00	375 3	1.00% 100.00	375 3	2.00% 50.00	5.07% 19.73	375 3	1.93% 51.75	0.40% 250.00	375 3	0.17 1.37	0.17 1.37	0.26 1.45	0.37 1.29	0.70 1.54	0.70 1.99	0.70 2.77	0.70 1.88	0.69 1.08
E 3287.198	53.755 10.385	E 3322.073 N 7261.496	43.724 43.703	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	2.20% 45.45	375 3	2.20% 45.45	375 3	1.81% 55.13	1.00% 100.00	375 3	1.00% 100.00	375 3	2.00% 50.00	5.07% 19.73	375 3	1.93% 51.75	0.40% 250.00	375 3	0.17 1.37	0.17 1.37	0.26 1.45	0.37 1.29	0.70 1.54	0.70 1.99	0.70 2.77	0.70 1.88	0.69 1.08
E 3287.263	64.140 16.626	E 3338.263 N 7265.279	43.724 43.703	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	42.423 42.264	42.531 42.520 42.364 42.364	1.301 1.439	2.20% 45.45	375 3	2.20% 45.45	375 3	1.81% 55.13	1.00% 100.00	375 3	1.00% 100.00	375 3	2.00% 50.00	5.07% 19.73	375 3	1.93% 51.75	0.40% 250.00	375 3	0.17 1.37								

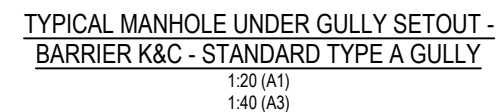
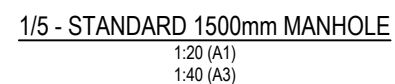
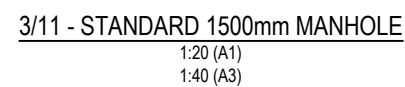
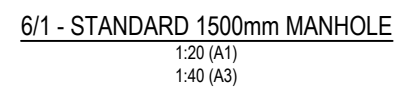
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REV	DATE	DESIGN	DRAWN	REVISION DETAILS		DRAWN	STATUS		SCALE		CLIENT	PROJECT NAME	DRAWING TITLE		
A	02.05.25	BR	DH	ORIGINAL ISSUE		TG	NOT FOR CONSTRUCTION		1:1000 10 0 10 20 30 40 50 A1 1:2000 _____ A3 HORIZONTAL 1:100 2 1 0 2 4 A1 1:200 _____ A3 VERTICAL	FRASERS PROPERTY AUSTRALIA	NEW BEITH - PRECINCT B	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2 OF 3			
B	21.08.25	BR	TG	RFI RESPONSE								DESIGN	APPROVED DANIEL COLLINS RPEQ 18631 21.08.25  FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD	ASSOCIATED CONSULTANT RPS GROUP (07) 3539 9500	MOUNTAIN RIDGE ROAD NEW BEITH

LINE 20

[illegible]

DRAWING TITLE		
STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 3 OF 3		
PROJECT No.	DRAWING No.	REVISION
23-0154	5322	B



NOTE:

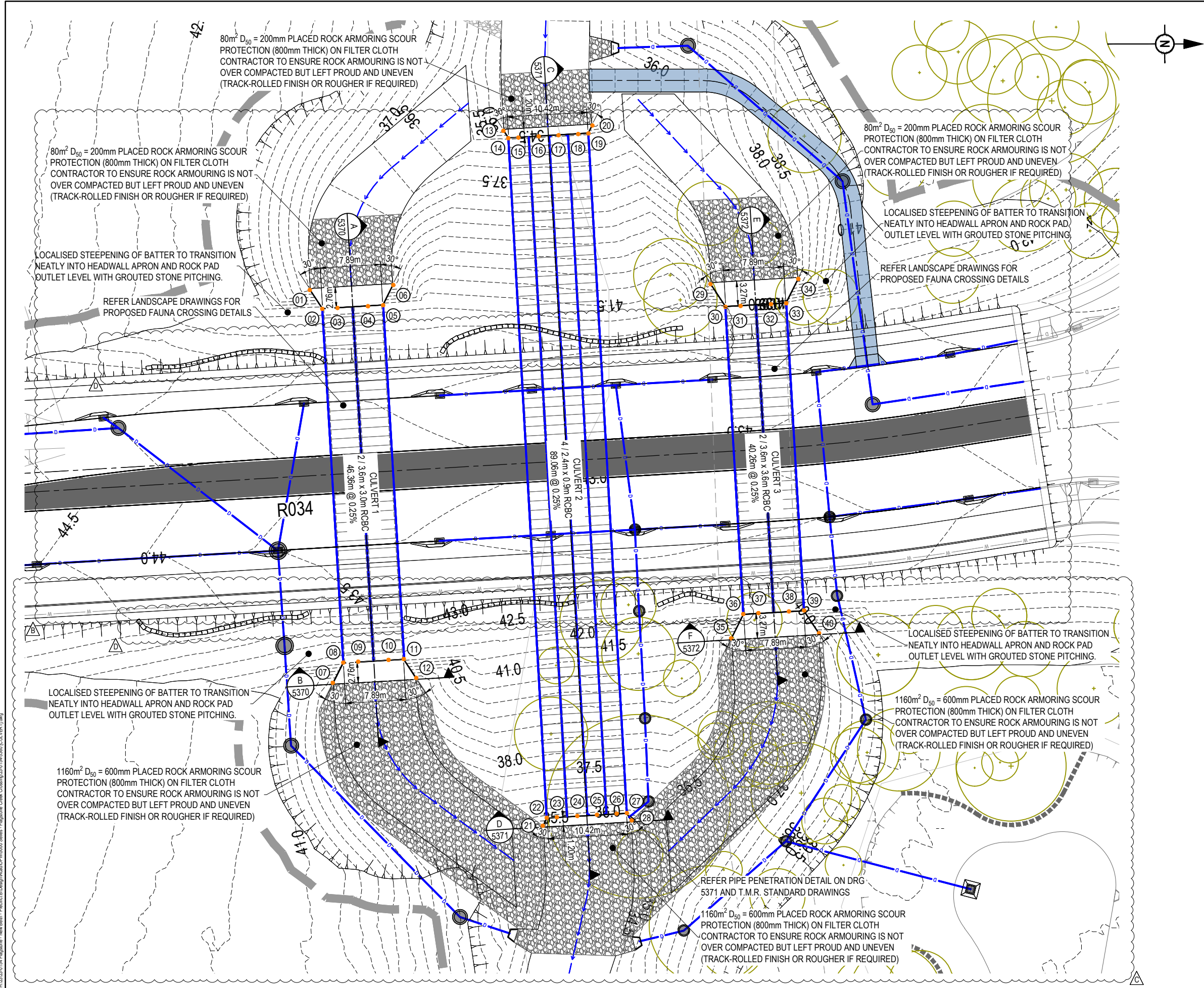
- # WITHIN GULLY PIT CHAMBER, CONTRACTOR TO ENSURE PIPES ARE OFFSET AS REQUIRED SO THAT PIPES ENTER WHOLLY WITHIN A SIDE WALL
- * IN INSTANCES OF MANHOLES UNDER GULLIES, CONTRACTOR TO ENSURE PIPES ARE ALIGNED TO CENTRE OF MANHOLE, UNLESS SHOWN DIFFERENTLY IN A STRUCTURE DETAIL

REV	DATE	DESIGN	DRAWN	REVISION DETAILS		DRAWN	STATUS			SCALE	CLIENT	PROJECT NAME NEW BEITH - PRECINCT B	DRAWING TITLE STORMWATER DRAINAGE STRUCTURE DETAILS				
A	02.05.25	BR	DH	ORIGINAL ISSUE		TG	NOT FOR CONSTRUCTION			1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1	FRASERS PROPERTY AUSTRALIA		MOUNTAIN RIDGE ROAD NEW BEITH	PROJECT No.	DRAWING No.	REVISION	
B	21.06.25	BR	TG	RFI RESPONSE						1:40  A3				ASSOCIATED CONSULTANT	23-0154	5330	B
						DESIGN	APPROVED	DATE									
						BR	DANIEL COLLINS RPEQ 18631 21.08.25										
						FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD											

The Colliers logo, featuring the word "Colliers" in white serif font on a dark blue background, with three horizontal stripes (yellow, blue, red) below it.

LOCATION				TIME			SUBCATCHMENT RUNOFF								INLET DESIGN										DRAIN DESIGN										HEADLOSSES										PART FULL		DESIGN LEVELS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
DESIGN ARI	STRUCTURE No.	DRAIN SECTION	SUB-CATCHMENTS CONTRIBUTING	SURFACE CONDITIONS (LAND USE)	SLOPE OF CATCHMENT	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	COEFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUM OF CONTRIBUTING EQUIVALENT AREAS	SUB-CATCHMENT DISCHARGE	FLOW PAST PREVIOUS GULLIES	FLOW IN K&C (INCLUDING BYPASS)	ROAD GRADE AT INLET	K - K WIDTH	FLOW WIDTH	FLOW DEPTH AT INVERT	GUTTER FLOW VELOCITY	d _g xV _g	INLET NUMBER	INLET TYPE	FLOW INTO INLET	BYPASS FLOW	CRITICAL TIME OF CONC.	RAINFALL INTENSITY	TOTAL CONTRIBUTING EQUIVALENT AREA	MAJOR TOTAL FLOW	MAJOR SURFACE FLOW CAPACITY	MAJOR SURFACE FLOW	FLOW IN PIPE	REACH LENGTH	PIPE GRADE	PIPE/BOX DIMENSIONS	FLOW VELOCITY	TIME OF FLOW IN REACH	Ku METHOD	Ku CHART	VELOCITY HEAD	U/S HEADLOSS COEFF.	U/S PIPE STRUCTURE HEADLOSS	LAT. HEADLOSS COEFFICIENT	LAT. PIPE STRUCTURE HEADLOSS	W.S.E. COEFFICIENT	CHANGE IN W.S.E.	FRICTION SLOPE	PIPE FRICTION HEADLOSS	DEPTH	VELOCITY	ORVERT LEVELS	DRAIN SECTION HGL	U/S HGL	LATERAL HGL	WSE	SURFACE or K&C INVERT LEVEL	FREBOARD	STRUCTURE No.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
MAJOR MAJOR							From Intensity MAJOR MAJOR	MAJOR MAJOR	MAJOR MAJOR	9 x 10 MINOR 9 x 10 MAJOR	11 MINOR 11 MAJOR	(8 x 12)/860 MINOR (8 x 12)/860 MAJOR	23	13 - 14			m	m	m	m/s	m ² /s		Refer Legend	From Charts	15 - 24	MINOR MAJOR	[12 U/S] MINOR MAJOR	[27 x 28]/860		MAJOR MAJOR			%	mm	m/s	min			[16 x 16]/2g	FROM QUAD VOL. 2	40 x 41	FROM QUAD VOL. 2	FROM QUAD VOL. 2	FROM SECT. 14.5-7 AREA VOL. 1, 1987		m	m	m/s	U/S D/S	U/S D/S	m	m	m	m	m	m	m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Yrs					%	min.	mm/hr		Ha	Ha	Ha	m ³ /s	m ³ /s	m ³ /s	%	m	m	m	m/s	m ² /s	m ³ /s	m ³ /s	m ³ /s	min	mm/hr	Ha	m ³ /s	m ³ /s	m ³ /s	m ³ /s	m	%	mm	m/s	min			m		m		m	%	m	m	m/s	m	m	m	m	m	m	m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
10	100	G3/13	G3/13 to 2/13	1	2.5	10	154	230	0.85	1	0.047	0.04	0.047	0.04	0.047	0.017	0.03		0.017	2.59		0.963	0.057	0.81	0.046	G3/13	ALZE	0.017		10	154	230	0.04	0.047	0.03		0.017	0.03	6.127	2.5	375	0.16	0.63823	Ku,Kw - Missouri/Hare Charts	G1		7	0.01			0.009	2.46	0.153	0.063	1.394	42.78	42.627	42.498	42.347	42.506	42.506	43.71	1.204	G3/13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
10	100	2/13	2/13 to G1/13	1	2.5										1						2/13	PIPE CONNECTION			10.04	153.8	229.72	0.04	0.047	0.03		0.017	0.03	10.364	2.5	375	0.16	1.07958	Direct			2				0.002	2.79	0.223	0.063	1.393	42.627	42.368	42.345	42.056	42.347	42.347	43.686	1.339	2/13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
10	100	G1/13	G1/13 to G6/11	2	2.5	10	154	230	0.85	1	0.027	0.023	0.027	0.023	0.027	0.01	0.017		0.01	2.59		0.702	0.047	0.74	0.035	G1/13	ALZE	0.01		10.11	153.47	229.23	0.063	0.074	0.047		0.027	0.047	18.342	1.98	375	0.24	1.27375	Ku,Kw - Missouri/Hare Charts	T1		1.67	0.01			0.005	2.16	0.329	0.084	1.465	42.306	41.943	42.048	41.652	42.053	42.053	43.262	1.209	G1/13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
10	100	F15/20	F15/20 to 14/20		2.5										1						F15/20	1200x120 n			1	263	397					30.354	0.5	750								0.5	0.152					60.494	60.342	59.744	59.592	59.744	59.744	61.86	2.116	F15/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	14/20	14/20 to 13/20		2.5										1						14/20	MH1500			1.28	249.09	379.69					30	7.32	750								7.32	2.197					60.322	58.125	59.572	57.375	59.572	59.572	61.95	2.378	14/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	13/20	13/20 to 12/20		2.5										1						13/20	MH1500			1.36	245.5	375.22					31.495	7.35	750								7.35	2.314					58.008	55.694	57.258	54.944	57.258	57.258	59.638	2.38	13/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	12/20	12/20 to 11/20		2.5										1						12/20	MH1500			1.43	241.74	370.53					28.479	7.29	750								7.29	2.076					55.581	53.505	54.831	52.755	54.831	54.831	57.209	2.378	12/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	11/20	11/20 to 10/20		2.5										1						11/20	MH1500			1.5	238.32	366.28					30.043	7.34	750								7.34	2.206					53.39	51.184	52.64	50.434	52.64	52.64	55.018	2.379	11/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	10/20	10/20 to 9/20		2.5										1						10/20	MH1500			1.58	234.73	361.81					30	6.9	750								6.9	2.069					51.017	48.947	50.267	48.197	50.267	50.267	52.697	2.431	10/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	9/20	9/20 to 8/20		2.5										1						9/20	MH1500			1.65	231.03	357.2					30	7.74	750								7.74	2.321					48.855	46.535	48.105	45.785	48.105	48.105	50.521	2.416	9/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	8/20	8/20 to 7/20		2.5										1						8/20	MH1500			1.72	227.54	352.85					60	3	750								3	1.8					46.515	44.715	45.765	43.965	45.765	45.765	48.714	2.95	8/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	7/20	7/20 to 6/20		2.5										1						7/20	MH1500			1.95	216.31	338.88					52.638	3	750								3	1.579					44.695	43.115	43.945	42.365	43.945	43.945	46.526	2.581	7/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	6/20	6/20 to 5/20		2.5										1						6/20	MH1500			2.15	212	332.47					41.072	3.2	750								3.2	1.314					42.969	41.655	42.219	40.905	42.219	42.219	45.127	2.908	6/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	5/20	5/20 to 4/20		2.5										1						5/20	PIPE CONNECTION			2.31	210.03	328.97					20.96	3.2	750								3.2	0.671					41.655	40.984	40.905	40.234	40.905	40.905	43.715	2.81	5/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	4/20	4/20 to 3/20		2.5										1						4/20	MH1500			2.38	209.02	327.19					29.467	8.73	750								8.73	2.573					40.964	38.391	40.214	37.641	40.214	40.214	43.171	2.957	4/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	3/20	3/20 to 2/20		2.5										1						3/20	MH1500			2.45	208.16	325.68					26.899	9	750								9	2.421					38.371	35.95	37.621	35.2	37.621	37.621	40.138	2.517	3/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	2/20	2/20 to OUT1/20		2.5										1						2/20	MH1500			2.51	207.39	324.31					9.141	0.25	750								0.25	0.023					35.247	35.224	34.497	34.474	34.497	34.497	37.602	3.105	2/20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10	100	OUT1/20			2.5										1						OUT1/20	HW OUTLET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		</

[illegible]



LEGEND

- PROPOSED AREA OF WORKS
- PROPOSED CONCRETE PATH AND PRAM RAMP
- FINISHED SURFACE CONTOUR
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED TRUNK WATER MAIN
- EXISTING TREE TO REMAIN - REFER VMP
- BOULDER RETAINING WALL

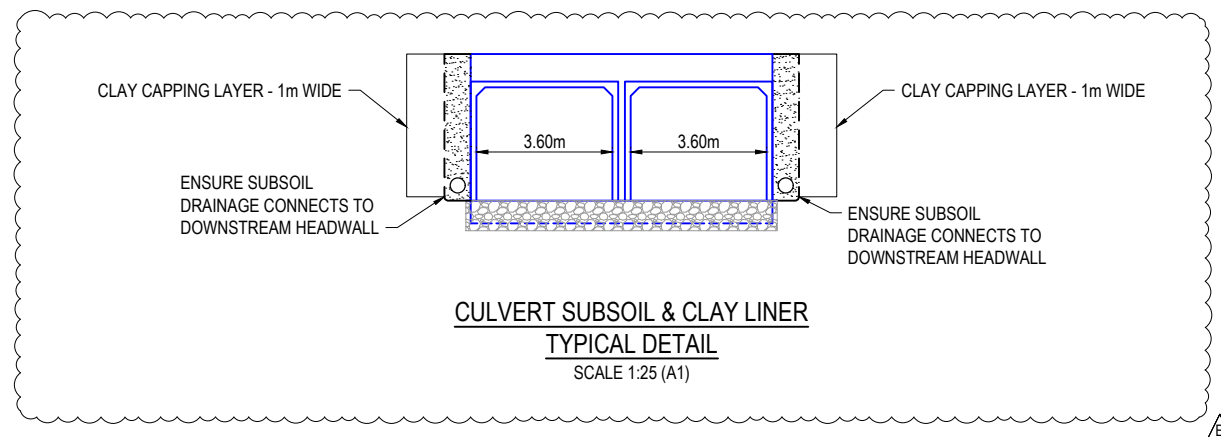
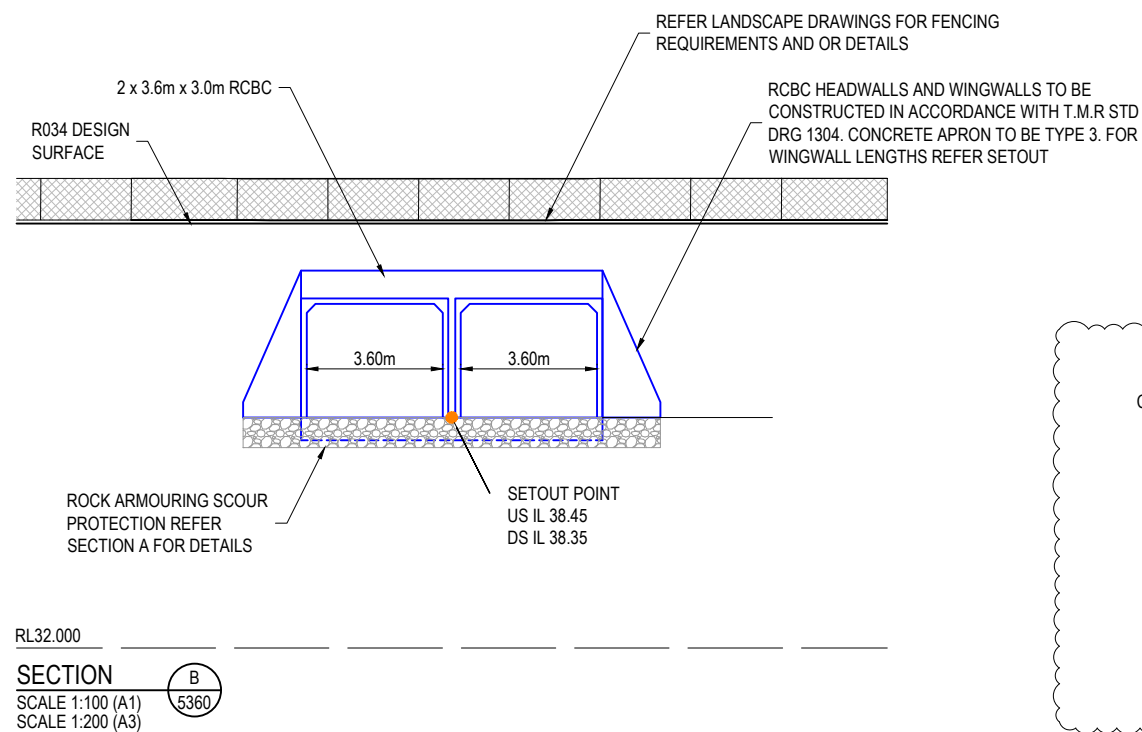
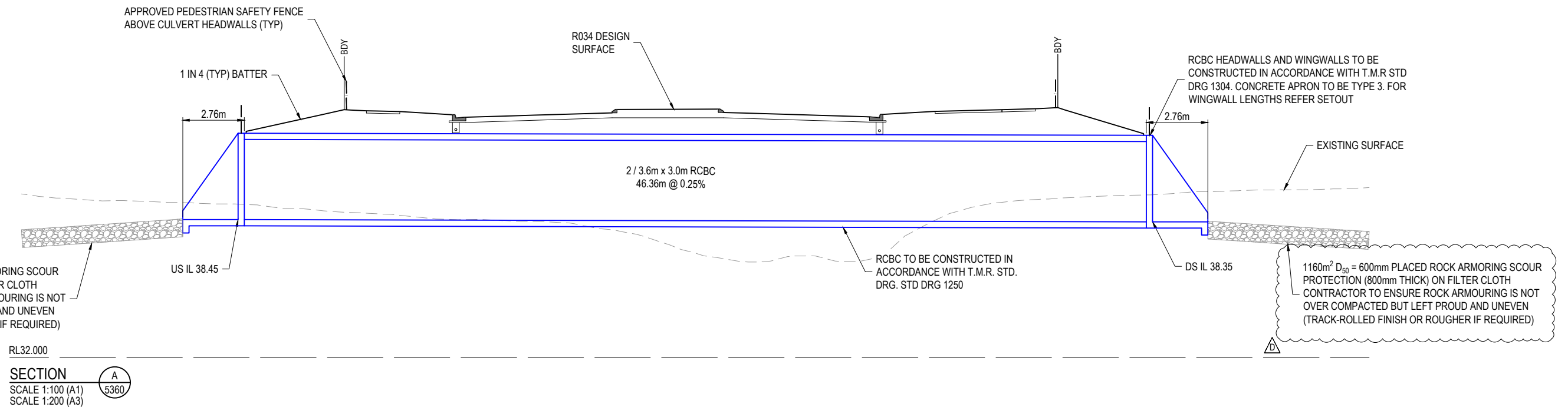
CULVERT SETOUT TABLE

NUMBER	EASTING	NORTHING
01	3282.035	7192.497
02	3284.510	7194.130
03	3284.392	7196.126
04	3284.155	7200.109
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07	3333.442	7195.509
08	3330.788	7196.882
09	3330.673	7198.823
10	3330.436	7202.806
11	3330.317	7204.802
12	3332.793	7206.435
13	3261.210	7217.839
14	3262.178	7218.477
15	3262.099	7219.810
16	3261.940	7222.475
17	3261.787	7225.056
18	3261.633	7227.636
19	3261.558	7228.969
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22	3351.092	7223.509
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33	3283.778	7254.862
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PLOT - 03 Oct 2023 03:34 PM LOCATION - H:\23\23-0154 Flagstone - New Beith - Precinct B\Design\DWG\5000 Series - Flagstone Creek Crossing\23-0154-5360 CULVERT1.dwg

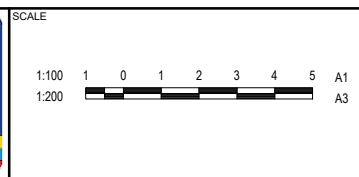
<table><tr><th>REV</th><th>DATE</th><th>DESIGN</th><th>DRAWN</th><th>REVISION DETAILS</th></tr><tr><td>A</td><td>02.05.25</td><td>BR</td><td>DH</td><td>ORIGINAL ISSUE</td></tr><tr><td>B</td><td>21.08.25</td><td>BR</td><td>TG</td><td>RFI RESPONSE</td></tr><tr><td>C</td><td>09.09.25</td><td>BR</td><td>TG</td><td>UPDATED SCOUR PROTECTION</td></tr><tr><td>D</td><td>03.10.25</td><td>BR</td><td>BR</td><td>UPDATED BATTERS FOR LANDSCAPING</td></tr></table>	REV	DATE	DESIGN	DRAWN	REVISION DETAILS	A	02.05.25	BR	DH	ORIGINAL ISSUE	B	21.08.25	BR	TG	RFI RESPONSE	C	09.09.25	BR	TG	UPDATED SCOUR PROTECTION	D	03.10.25	BR	BR	UPDATED BATTERS FOR LANDSCAPING	<table><tr><th>DRAWN</th><th>STATUS</th></tr><tr><td>BR</td><td>NOT FOR CONSTRUCTION</td></tr><tr><td>DESIGN</td><td>APPROVED</td></tr><tr><td>BR</td><td>DANIEL COLLINS RPEQ 18631 DATE 3.10.25</td></tr></table>	DRAWN	STATUS	BR	NOT FOR CONSTRUCTION	DESIGN	APPROVED	BR	DANIEL COLLINS RPEQ 18631 DATE 3.10.25		<table><tr><td>SCALE</td><td>CLIENT</td></tr><tr><td>1:500 1:1000</td><td>FRASERS PROPERTY AUSTRALIA</td></tr></table>	SCALE	CLIENT	1:500 1:1000	FRASERS PROPERTY AUSTRALIA	<table><tr><td>PROJECT NAME</td><td>DRAWING TITLE</td></tr><tr><td>NEW BEITH - PRECINCT B</td><td>STORMWATER CULVERT LAYOUT PLAN</td></tr></table>	PROJECT NAME	DRAWING TITLE	NEW BEITH - PRECINCT B	STORMWATER CULVERT LAYOUT PLAN	<table><tr><td>ASSOCIATED CONSULTANT</td><td>PROJECT No.</td><td>DRAWING No.</td><td>REVISION</td></tr><tr><td>RPS GROUP (07) 3539 9500</td><td>23-0154</td><td>5360</td><td>D</td></tr></table>	ASSOCIATED CONSULTANT	PROJECT No.	DRAWING No.	REVISION	RPS GROUP (07) 3539 9500	23-0154	5360	D
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PLOT: 03 Oct 2025 03:24 PM LOCATION: H:\23\23-0154 Flagstone - New Beith - Precinct B\Drawings\DWG5000 Series - Flagstone Creek Crossing\23-0154-5360 [CULVERT].dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	02.05.25	BR	DH	ORIGINAL ISSUE
B	21.08.25	BR	TG	RFI RESPONSE
C	03.09.25	BR	TC	UPDATED DESIGN
D	09.09.25	BR	TG	UPDATED SCOUR PROTECTION
E	03.10.25	BR	BR	UPDATED TYPICAL SECTION FOR CULVERT

DRAWN	STATUS
BR	NOT FOR CONSTRUCTION
DESIGN	APPROVED
BR	DANIEL COLLINS RPEQ 18631 DATE 3.10.25
FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD	

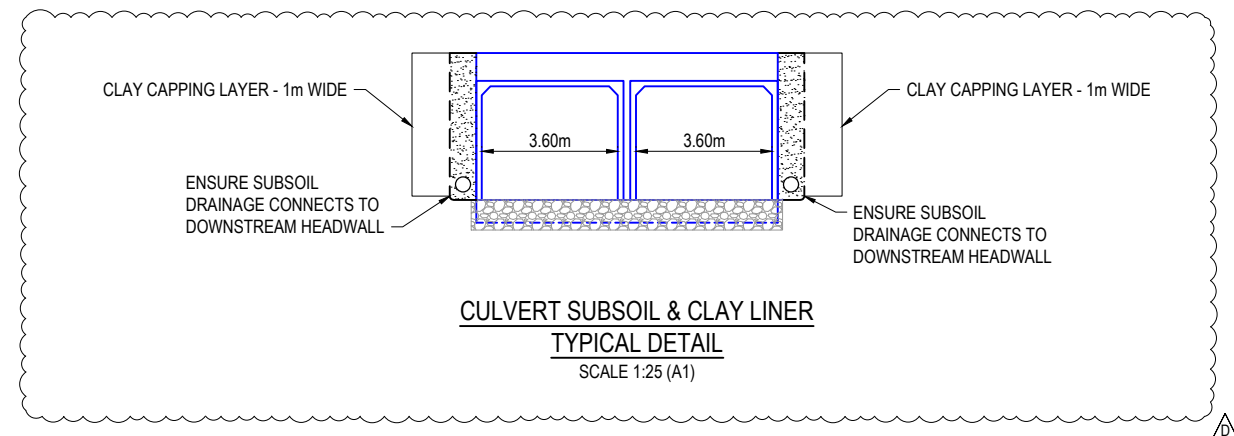
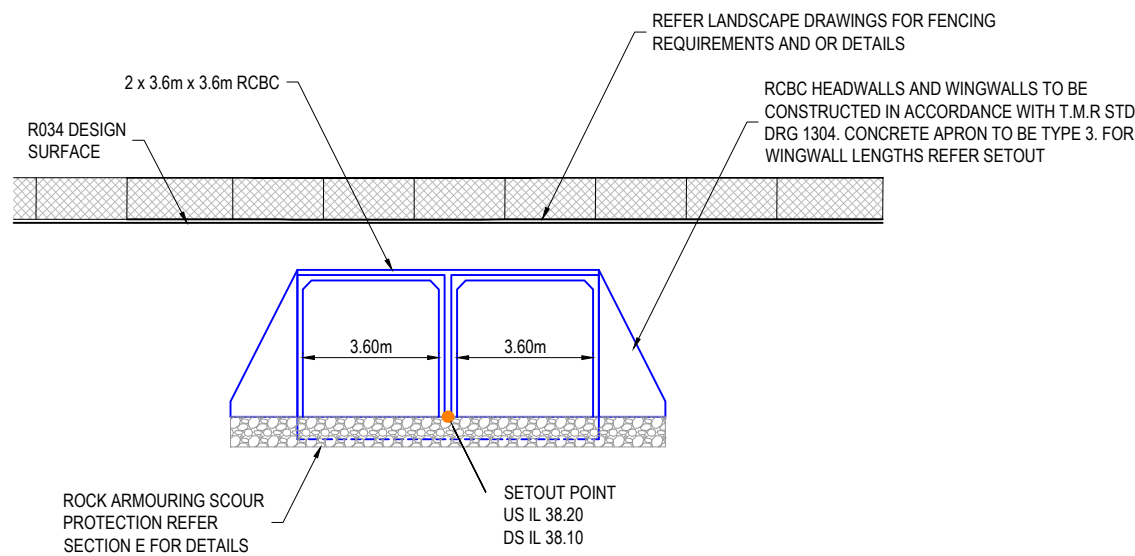
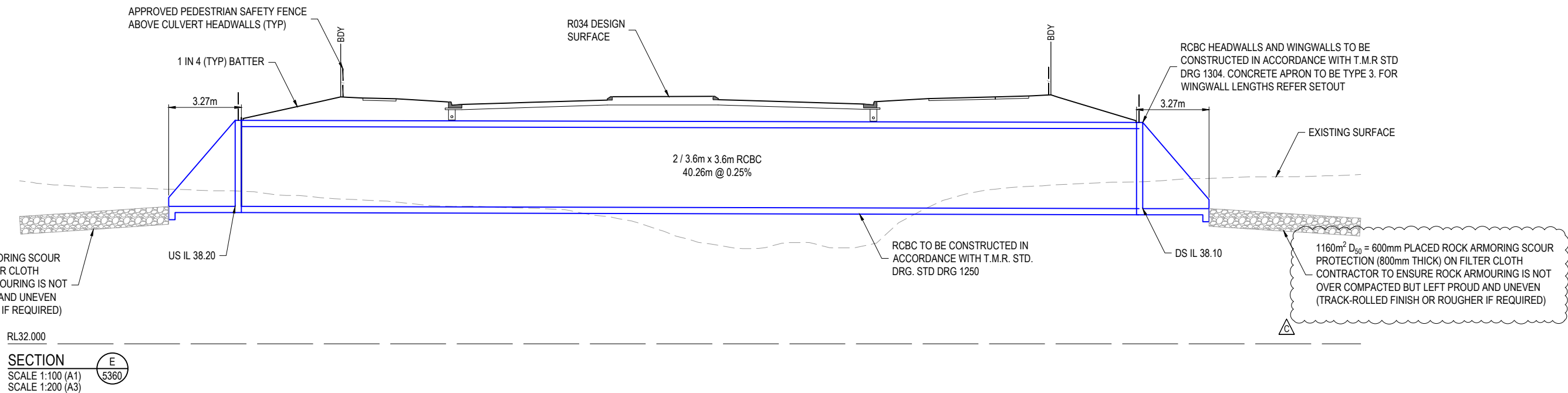


CLIENT
FRASERS PROPERTY AUSTRALIA
ASSOCIATED CONSULTANT
RPS GROUP (07) 3539 9500

PROJECT NAME
NEW BEITH - PRECINCT B
MOUNTAIN RIDGE ROAD NEW BEITH

DRAWING TITLE		
STORMWATER CULVERT 1 TYPICAL SECTIONS		
PROJECT No.	DRAWING No.	REVISION
23-0154	5370	E

PLOT: 03 Oct 2025 03:24 PM LOCATION: H:\23\23-0154 Flagstone - New Beith - Precinct B\Design\A\A01\DWG\5000 Series - Flagstone Creek Crossing\23-0154-5360 [CULVERT].dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE
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B	21.08.25	BR	TG	RFI RESPONSE	BR	APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.10.25	1:100 1:200	ASSOCIATED CONSULTANT RPS GROUP (07) 3539 9500	MOUNTAIN RIDGE ROAD NEW BEITH	PROJECT No. 23-0154
C	09.09.25	BR	TG	UPDATED SCOUR PROTECTION	BR	FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD				DRAWING No. 5372
D	03.10.25	BR	BR	UPDATED TYPICAL SECTION FOR CULVERT	BR					REVISION D

PROPOSED R034 - TRUNK ROAD

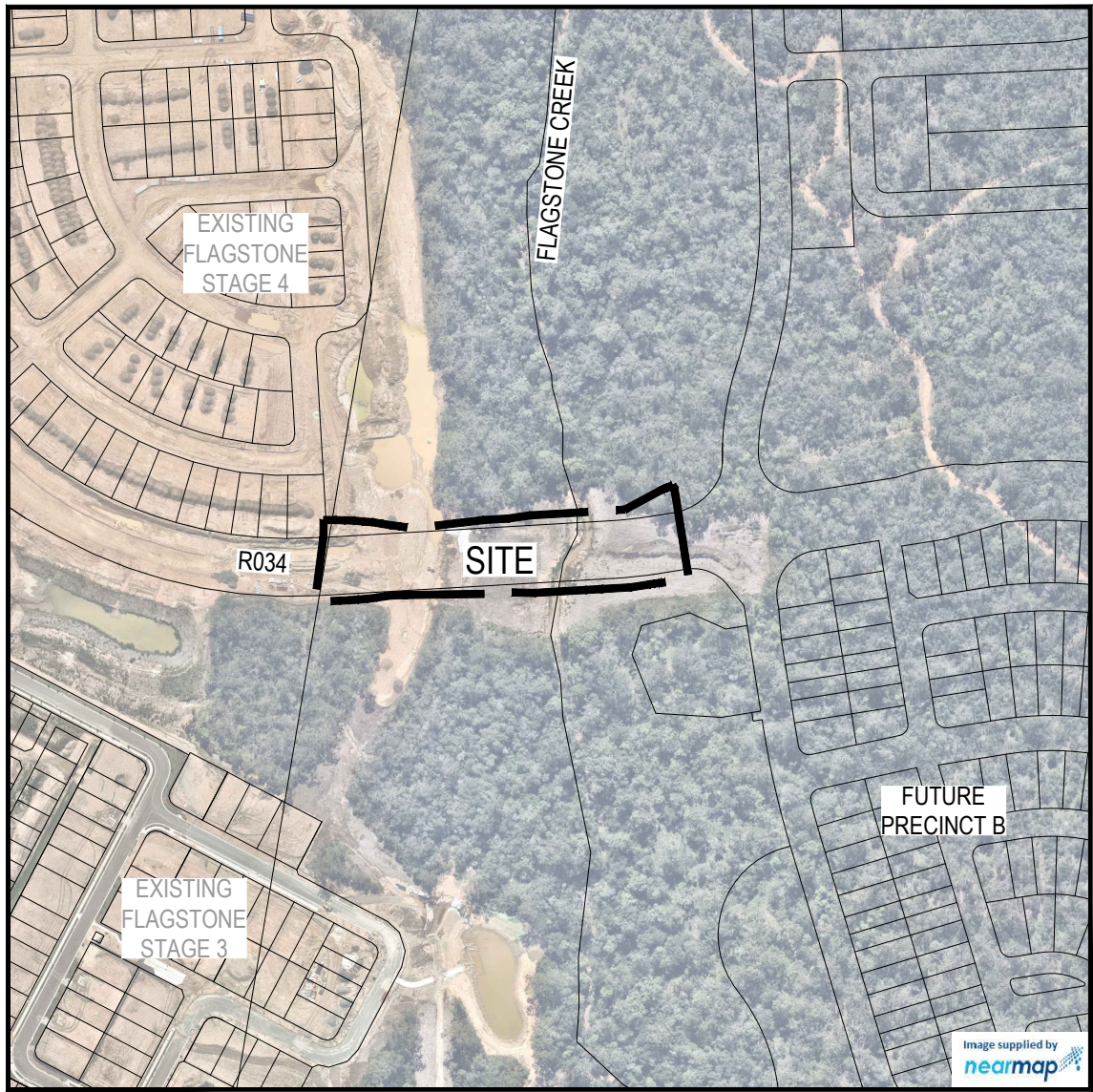
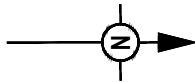
MOUNTAIN RIDGE ROAD, NEW BEITH

FOR 'FRASERS PROPERTY AUSTRALIA'

DRAWING LIST

TRUNK WATER

23-0154-5650	TRUNK WATER COVER PLAN
23-0154-5651	TRUNK WATER GENERAL NOTES
23-0154-5652	TRUNK WATER LIVE WORKS DETAILS
23-0154-5660	TRUNK WATER LAYOUT PLAN



ESTATE/STAGE	NEW BEITH - PRECINCT B CREEK CROSSING
CLIENT	FRASERS PROPERTY AUSTRALIA
SP APPLICATION No.	#
SP APPROVAL DATE	TBC
No. OF ALLOTMENTS	N/A

LOCALITY PLAN
SCALE 1:2000 (A1)
SCALE 1:4000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS		DRAWN	STATUS			SCALE 1:2000 2000000 20 0 20 40 60 80 100 A1 1:4000 A3	CLIENT FRASERS PROPERTY AUSTRALIA	PROJECT NAME NEW BEITH - PRECINCT B	DRAWING TITLE		
A	02.05.25	BR	DH	ORIGINAL ISSUE		TG	NOT FOR CONSTRUCTION	TRUNK WATER COVER PLAN							
B	21.08.25	BR	TG	RFI RESPONSE											

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, PLANT AND EQUIPMENT TO CONSTRUCT THE WORKS AS DOCUMENTED AND STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
2. EXISTING SERVICES RELEVANT TO THE PROJECT HAVE BEEN CONSIDERED THROUGHOUT DESIGN AND IS BASED ON SURVEY INFORMATION PROVIDED BY THE SURVEYOR AND THE CONTRACTOR. THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ HAVE RELIED UPON THIS INFORMATION TO INFORM THE DESIGN. THE CONTRACTOR SHALL VERIFY THE POSITION OF ANY UNDERGROUND SERVICES WITHIN THE AREAS OF WORKS AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO. ANY ALTERATION WORKS TO SERVICES WILL BE CARRIED OUT ONLY BY THE SERVICE OWNER AUTHORITY UNLESS APPROVED OTHERWISE.
3. ALL DESIGN AND CONSTRUCTION ACTIVITIES UNDERTAKEN SHALL COMPLY WITH CURRENT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND LEGISLATION.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL RELEVANT LOCAL AUTHORITY PERMITS.
5. THE CONTRACTOR SHALL NOT COMMENCE THE DEMOLITION OF ANY EXISTING BUILDINGS AND/OR STRUCTURES WITHOUT APPROVAL FROM THE SUPERINTENDENT.
6. THE CONTRACTOR SHALL APPLY INDUSTRY BEST PRACTICE SO WORKS SHALL NOT DISTURB OR AFFECT NEARBY RESIDENTS EITHER BY DUST, NOISE, FLOODING OR DISCONNECTION OF SERVICES. CONTRACTOR TO ENSURE THAT ACCESS AND SERVICES TO EXISTING PROPERTIES ARE AVAILABLE AT ALL TIMES.
7. THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POTHOLE INFORMATION PROVIDED BY THE SURVEYOR AND/OR CONTRACTOR AT THE TIME OF DESIGN. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS AND NOTIFY THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS. THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POTHOLE INFORMATION PROVIDED BY THE SURVEYOR AND CONTRACTOR AT THE TIME OF DESIGN.
8. HOLD POINT: ONCE THE BASE OF MANHOLES HAVE BEEN POURED, CONSTRUCTION SHALL ONLY RE-COMMENCE ONCE THE SUPERINTENDENT AND/OR ENGINEER HAVE INSPECTED THE WORKS.
9. THE CONTRACTOR SHALL NOTE DURING THE COURSE OF THE WORKS WHEN JOINT INSPECTIONS WITH THE AUTHORITY AND THE SUPERINTENDENT ARE REQUIRED. THESE INCLUDE PRE-STARTS, SUBGRADES, PRE-SEALS, CLEARING, AND OTHER SUCH INSPECTIONS AS NOMINATED DURING THE PRE-START, IN THE APPROVAL AND THE SPECIFICATIONS. THE CONTRACTOR SHALL ENSURE NO WORKS PROCEED PAST THE INSPECTION POINT UNTIL THE JOINT INSPECTION HAS BEEN SUCCESSFULLY COMPLETED.
10. THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS. THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POTHOLE INFORMATION PROVIDED BY THE SURVEYOR AND CONTRACTOR AT THE TIME OF DESIGN.
11. THESE ENGINEERING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED VEGETATION MANAGEMENT PLAN, WHERE APPLICABLE. WHEN IN DOUBT, ALL EXISTING TREES ARE TO REMAIN UNLESS DIRECTED OTHERWISE.

ENVIRONMENTAL CONDITIONS

VEGETATION PROTECTION

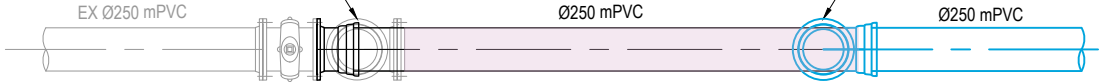
- A. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- B. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- C. TREE ROOTS SHALL BE TUNNELED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
- D. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

WATER RETICULATION NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT WSAA WATER SUPPLY CODE OF AUSTRALIA SPECIFICATIONS AND STANDARD - SOUTH EAST QUEENSLAND SERVICE PROVIDERS EDITION.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. THE DESIGN HAS BEEN UNDERTAKEN TO COMPLY WITH CURRENT SOUTH EAST QUEENSLAND WATER CODE AND LOGAN WATER STANDARDS.
4. THE CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
5. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH LOGAN WATER ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY LOGAN WATER.
6. ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
7. COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
8. CONSTRUCT EMBEDMENT AND TRENCH FILL TO SEQ-WAT-1200-1 TO 1204-1 AND COUNCIL STANDARDS FOR ROADWAY CROSSINGS. TYPE D MINIMUM UNLESS GEOTECHNICAL INVESTIGATIONS INDICATE TYPE C IS ADEQUATE.
9. PROVIDE BULKHEADS / TRENCH STOPS IN ACCORDANCE WITH SEQ WATER SUPPLY CODE TABLE 7.5 AND SEQ-WAT-1209-1 AND 1210-1.
10. CONSTRUCT THRUST BLOCKS ON ALL UNRESTRAINED VALVES, BENDS, TEES, TAPERS, DEAD ENDS TO SEQ-WAT-1205-1, 1206-1 AND 1207-1 AND WHERE OTHER PIPES CONNECT TO PE PIPE.
11. INSTALL DETECTABLE MARKER TAPE ON ALL WATER MAINS AND PROPERTY SERVICES.
12. CONSTRUCT FIRE HYDRANTS AND STOP VALVES TO SEQ-WAT-1301-1, 1302-1, 1303-2, 1305-1, 1306-1 AND 1409-1.
13. CONSTRUCT SCOURS TO SEQ-WAT-1307-2 (ONLY MAINS DN315 AND LARGER). SCOURS MUST DISCHARGE INTO AN OPEN STORMWATER GULLY PIT. DISCHARGE TO THE FACE OF KERB AND CHANNEL IS NOT ACCEPTABLE TO LOGAN WATER.
14. INSTALL ROAD AND PAVEMENT MARKERS TO SEQ-WAT-1107-1, 1107-2, 1300-1 AND 1300-2.
15. CONSTRUCT HYDRANTS AT THE ENDS OF ALL NEW MAINS BEFORE THE SCOUR AND WHERE REQUIRED FOR COMMISSIONING PURPOSES. LOGAN WATER PREFERENCE IS TO AVOID TAPPING BANDS FOR TEST POINTS AND PROVIDE EITHER A TEMPORARY DUCKFOOT HYDRANT OR FLANGED SHORT PIPE WITH A TEMPORARY TAPPED BLANK FLANGE. TESTING AGAINST LIVE MAINS AND VALVES IS NOT PERMITTED.
16. TESTING LOCATIONS AND TEMPORARY FITTINGS ARE REQUIRED ON SERVICES OVER 10m LONG UNLESS APPROVED IN WRITING FOR WORKS TO BE UNDERTAKEN AS LIVE WORKS. TESTING AND AS -CONSTRUCTED REQUIREMENTS TO BE DOCUMENTED ON DRAWINGS.
17. 316SS BACKING RINGS SHALL BE USED WITH FULL-FACE PE FLANGES. PE STUB-FLANGES ARE NOT ACCEPTED. WHEN JOINING TO EXISTING UNRESTRAINED PIPELINES, PROVIDE A DICL SHORT PIPE WITH THRUST FLANGE AND THRUST BLOCK. BOLT ON UNI FLANGES SHALL NOT BE USED AS THRUST FLANGES. THRUST (PUDDLE) FLANGES SHALL BE AN APPROVED PREFABRICATED DICL/MSCL SHORT PIPE WITH PREFABRICATED THRUST FLANGE.
18. ALL DISUSED SERVICES SHALL BE SEALED AT THE MAIN AND FERRULE CLOSED OR TAPPING BAND REMOVED AND SECTION OF MAIN SUBSTITUTED AS LIVE WORKS. LARGE DIAMETER SERVICES SHALL BE DISUSED BY REMOVING ANY PROPERTY SERVICE PIPEWORK AT THE POINT OF CONNECTION TO THE MAIN, AND INSTALLING A BLANK FLANGE DIRECTLY ON THE TEE.
19. AC MAINS SHALL BE REPLACED COLLAR-COLLAR.
20. CONSTRUCT PROPERTY SERVICES TO SEQ-WAT-1107-1 AND 1107-3.
21. PROVIDE DN40 PE100 WATER SERVICES FOR ROAD CROSSINGS SERVICING TWO DWELLINGS. PROVIDE DN32 PE100 WATER SERVICES FOR ROAD CROSSINGS SERVICING A SINGLE DWELLING. IF THE LONG TERM STATIC HEAD OF THE PROPERTY SERVICE IS LESS THAN 350 kPa (35m) OR IF PRIVATE BOOSTER IS REQUIRED, THE MINIMUM SIZE OF PROPERTY SERVICE SHALL BE DN40 PE100.
22. WATER SERVICE UNDER ROADS AND DRIVEWAYS MUST BE PLACED WITHIN 100mm DIA. CONDUITS, REFER SEW-WAT-1107-1.
23. A WATER METER SUPPLIED AT THE DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE LOGAN WATER STANDARD DRAWING.
24. WATER METER AND FIRE HYDRANTS MUST BE LOCATED MINIMUM 1.1m CLEAR OF ENERGEX PILLARS.

CONTRACTOR TO REMOVE EXISTING END CAP AND TEMPORARY FIRE HYDRANT AND REPLACE WITH Ø250 FL-SO CONNECTOR

TEMPORARY DUCKFOOT HYDRANT - TO BE COLLECTED AND REMOVED BY CONTRACTOR AFTER CLEARANCE OF NEW MAIN



WATER LIVE CONNECTION 1 DETAIL

SCALE 1:25 (A1)
SCALE 1:50 (A3)



LIVE WORKS BY LOGAN WATER 3.0m U.N.O - CONTRACTOR TO CONFIRM LENGTH ON SITE BEFORE COMMENCING WORKS

WATER RETICULATION
LIVE CONNECTIONS

CONNECTION 1			
STREET	R034		
LOCATION	LOT 1550		
LENGTH	3.00m	TYPE OF MAIN	Ø250 PN16
DATE COMMENCED		DATE COMPLETED	
SIGNATURE			

LIVE WORKS NOTES:

1. ALL LIVE WORKS SHALL BE UNDERTAKEN BY THE CONTRACTOR IN ACCORDANCE WITH AN APPROVED NETWORKS ACCESS PERMIT, UNDER THE SUPERVISION OF LOGAN WATER, AT THE DEVELOPERS EXPENSE.
2. LIVE WORKS CANNOT COMMENCE UNTIL ALL RELEVANT TEST CERTIFICATES HAVE BEEN PROVIDED AND ACCEPTED BY LOGAN WATER.
3. PRE-CHLORINATED WATER FITTINGS SHALL BE USED FOR ALL DRINKING WATER LIVE WORKS CONNECTIONS.

ALL WATER CONSTRUCTION SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION

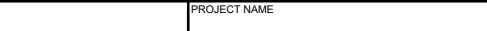
ALL ENVIRONMENTAL PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK COMMENCING, INCLUDING CLEARING

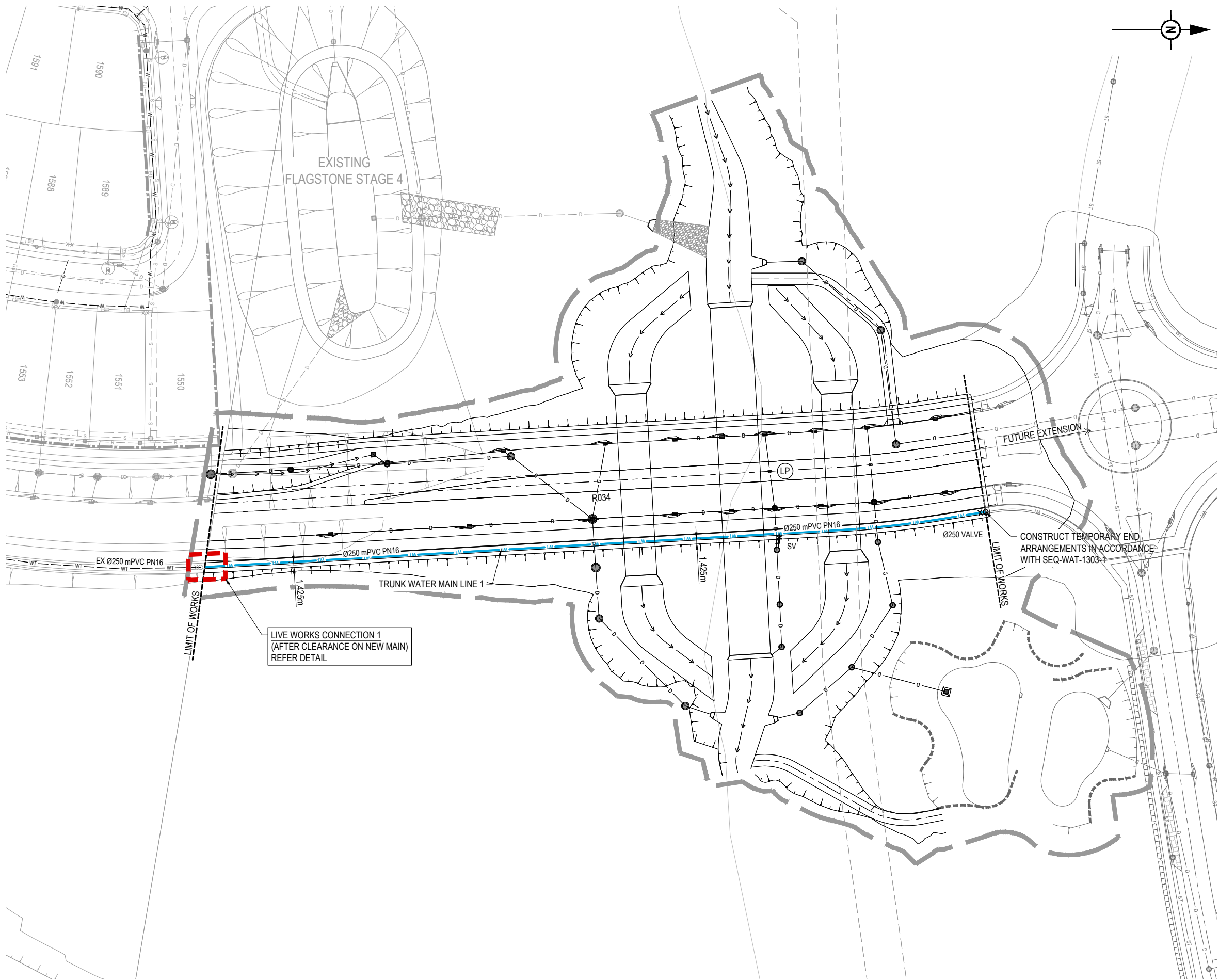
THIS DESIGN PACKAGE SHOWS CONNECTIONS TO INFRASTRUCTURE THAT HAS NOT BEEN ACCEPTED 'ON-MAINTENANCE' BY LOGAN WATER. LIVE WORKS CANNOT COMMENCE UNTIL THE PRECEDING WORKS HAVE BEEN ACCEPTED 'ON MAINTENANCE' BY LOGAN WATER.

DURING ANY CONSTRUCTION ACTIVITY AT LEAST ONE PERSON ON SITE MUST HAVE COMPLETED A PIPE LAYING TRAINING COURSE APPROVED BY THE PIPE SUPPLIER OR MANUFACTURER AND APPROPRIATE TO THE PIPELINE UNDER CONSTRUCTION. THE TRAINING COURSE MUST HAVE BEEN COMPLETED WITHIN THE LAST TEN YEARS.

ALL SITE AND FACTORY PE WELDING SHALL BE CARRIED OUT BY A PERSON WHO HAS COMPLETED RELEVANT NATIONALLY ACCREDITED COURSES FOR BUTT WELDING/ELECTROFUSION AND HOLD A VALID WELDING CERTIFICATE IN ACCORDANCE WITH AS/NZS 2033.

THE CONTRACTOR SHALL PROVIDE DOCUMENTED EVIDENCE OF ACCEPTABLE QUALIFICATIONS TO LOGAN WATER.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS		DRAWN	STATUS				CLIENT FRASERS PROPERTY AUSTRALIA	PROJECT NAME NEW BEITH - PRECINCT B	DRAWING TITLE		
A	02.05.25	BR	DH	ORIGINAL ISSUE		TG	NOT FOR CONSTRUCTION						TRUNK WATER GENERAL NOTES		
B	21.08.25	BR	TG	RFI RESPONSE					BR	APPROVED DANIEL COLLINS  RPEQ 18631 DATE 21.08.25		PROJECT No. 23-0154			
						FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD		DRAWING No. 5651							
								REVISION B							



LEGEND

- PROPOSED AREA OF WORKS
- WT PROPOSED TRUNK WATER MAIN 250Ø
- WT EXISTING TRUNK WATER MAIN
- WT FUTURE TRUNK WATER MAIN
- W EXISTING WATER MAIN
- C EXISTING WATER CONDUIT
- LP LOW POINT
- D EXISTING STORMWATER DRAINAGE PIPE
- D FUTURE STORMWATER DRAINAGE PIPE
- R EXISTING ROOFWATER DRAINAGE PIPE
- S EXISTING SEWER MAIN
- S FUTURE SEWER MAIN
- ST EXISTING TRUNK SEWER MAIN
- EU EXISTING ELECTRICAL CABLE U/G

WATER FITTINGS LEGEND

PROPOSED:

- TEMPORARY FIRE HYDRANT
- SV SCOUR TANKERING VALVE
- X ISOLATION VALVE

EXISTING:

- W FIRE HYDRANT
- W ISOLATION VALVE
- W DEAD END
- W REDUCER
- X WATER SERVICE POINT

NOTE:
THIS DESIGN PACKAGE SHOWS CONNECTIONS TO INFRASTRUCTURE THAT HAS NOT BEEN ACCEPTED 'ON MAINTENANCE' BY URBAN UTILITIES. LIVE WORKS CANNOT COMMENCE UNTIL THE PRECEDING WORKS HAVE BEEN ACCEPTED 'ON MAINTENANCE'.

- NOTE:
- WATER MAINS MUST CROSS OVER SERVICES WITH MINIMUM COVER PER SEQ CI. 7.4.2. AND CLEARANCES PER SEQ CODE TABLE 5.5.
 - ALL VALVES TO BE FULLY RESTRAINED IN ACCORDANCE WITH THE SEQ CODE.
 - MARKERS FOR PROPERTY SERVICES SHALL BE IN ACCORDANCE WITH SEQ-WAT-1106-1108. MARKERS FOR WATER MAIN CROSSINGS, HYDRANTS AND VALVES SHALL BE IN ACCORDANCE WITH SEQ-WAT-1300-1.
 - ALL FITTINGS (HYDRANTS, VALVES, WATER SERVICE CONNECTIONS ETC) MUST BE INSTALLED ON STRAIGHT SECTIONS OF WATER MAIN.

WARNING! - EXISTING SERVICES

EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	02.05.25	BR	DH	ORIGINAL ISSUE
B	21.08.25	BR	TG	RPI RESPONSE

DRAWN	STATUS
TG	NOT FOR CONSTRUCTION
DESIGN	APPROVED
BR	DANIEL COLLINS RPEQ 18631 21.08.25
FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD	



SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT
FRASERS PROPERTY AUSTRALIA
ASSOCIATED CONSULTANT
RPS GROUP (07) 3539 9500

PROJECT NAME
NEW BEITH - PRECINCT B
MOUNTAIN RIDGE ROAD NEW BEITH

DRAWING TITLE
TRUNK WATER LAYOUT PLAN
PROJECT No. 23-0154
DRAWING No. 5660
REVISION B