PROPOSED DEVELOPMENT OF LOT 5

STORMWATER MANAGEMENT PLAN

LOT 5 BUSH CRESCENT, PARKHURST

BTRE 1 PTY LTD

D22.320

CIVIL DESIGN



(Not To Scale)



ACN 121 309 171 47 Normanby Street Yeppoon, Queensland 4703

Phone: 07 49112553 Fax: 07 49383660

Email: admin@dileigh.com.au

ROCKHAMPTON REGIONAL COUNCIL AMENDED PLANS APPROVED

27 October 2023

DATE

These plans are approved subject to the current conditions of approval associated with

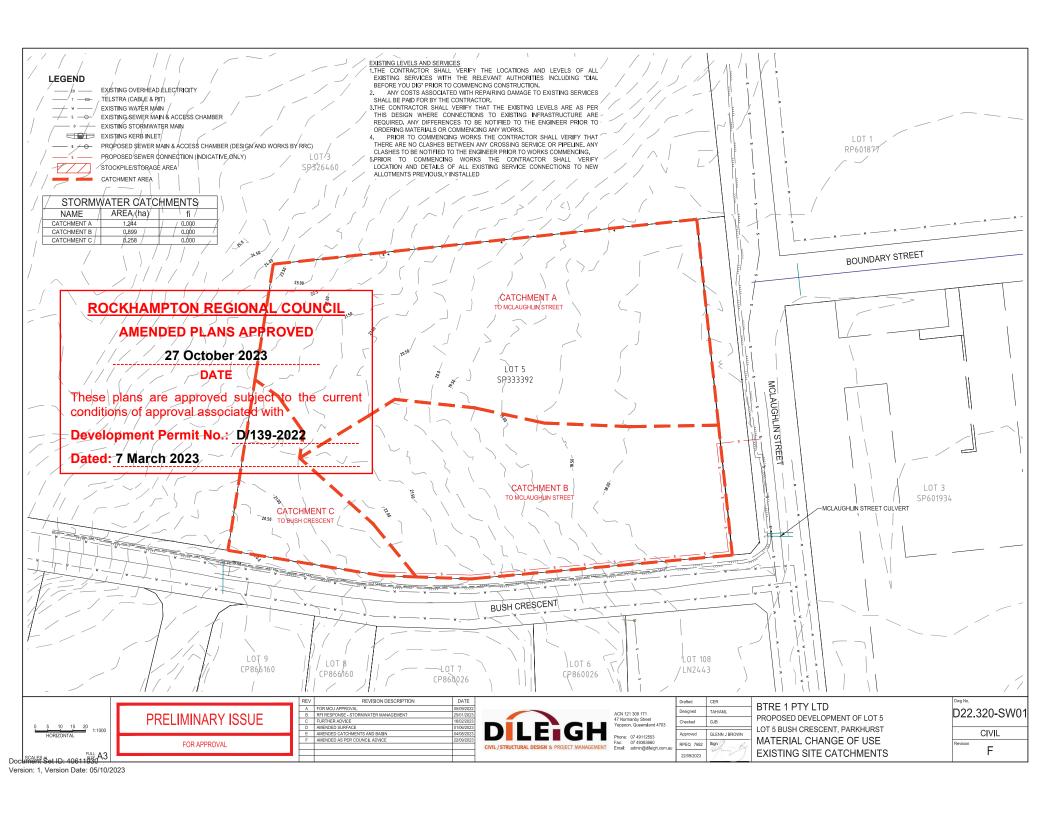
Development Permit No.: D/139-2022

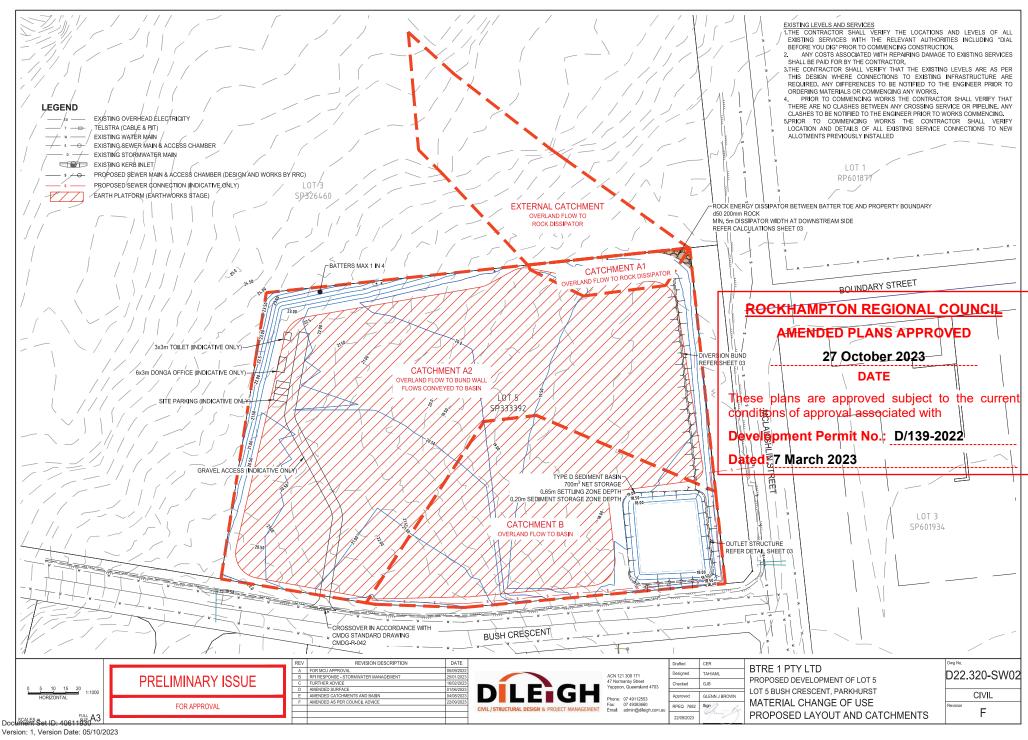
Dated: 7 March 2023

DESIGN DRAWING LIST INDEX								
SHEET NUMBER	SHEET TITLE							
STORMWATER								
SW-00	SW-00 TITLE PAGE							
SW-01	EXISTING SITE CATCHMENTS							
SW-02	PROPOSED LAYOUT AND CATCHMENTS							
SW-03	STORMWATER DETAILS AND CALCULATIONS							

PRELIMINARY ISSUE

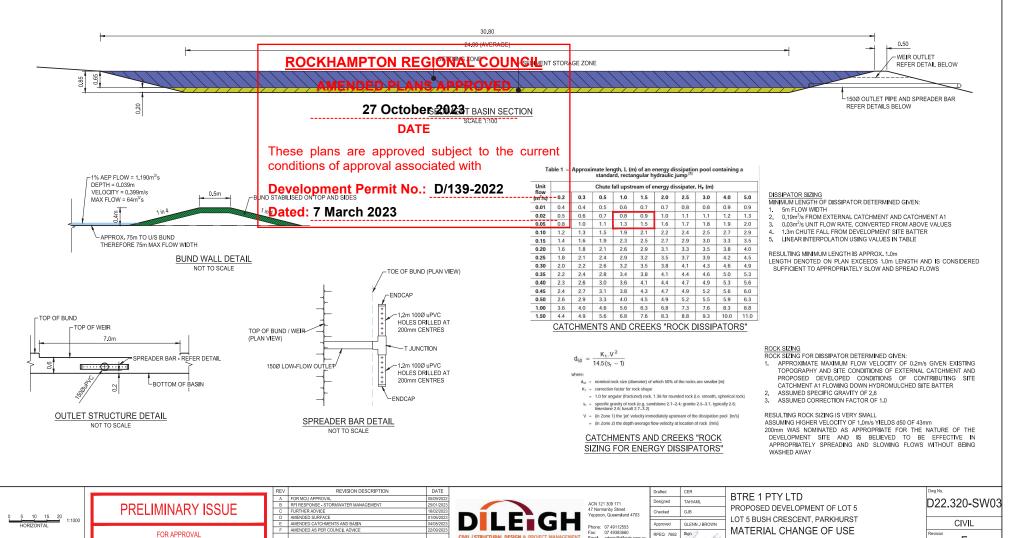
FOR APPROVAL





I								SEDIMENT STORAGE						
BASIN ID	CATCH AREA (HA)	BATTERS (1 IN X)	L:W RATIO	SETTLING DEPTH Ds (m)	%ILE	R (5 DAY, X%ILE)	CV	V _{SET}	SED STORAGE OPTION?	RUSLE SOIL LOSS (t/ha/yr)	CLEAN OUT FREQUENCY (MONTHS)		APPROX. REQ SED STORAGE DEPTH (m)	SETTLING VOLUME (m³)
Bush Crescent	2.401	4	1	0.65	80	32.2	1.0	773	RUSLE	75	2	24	0	773

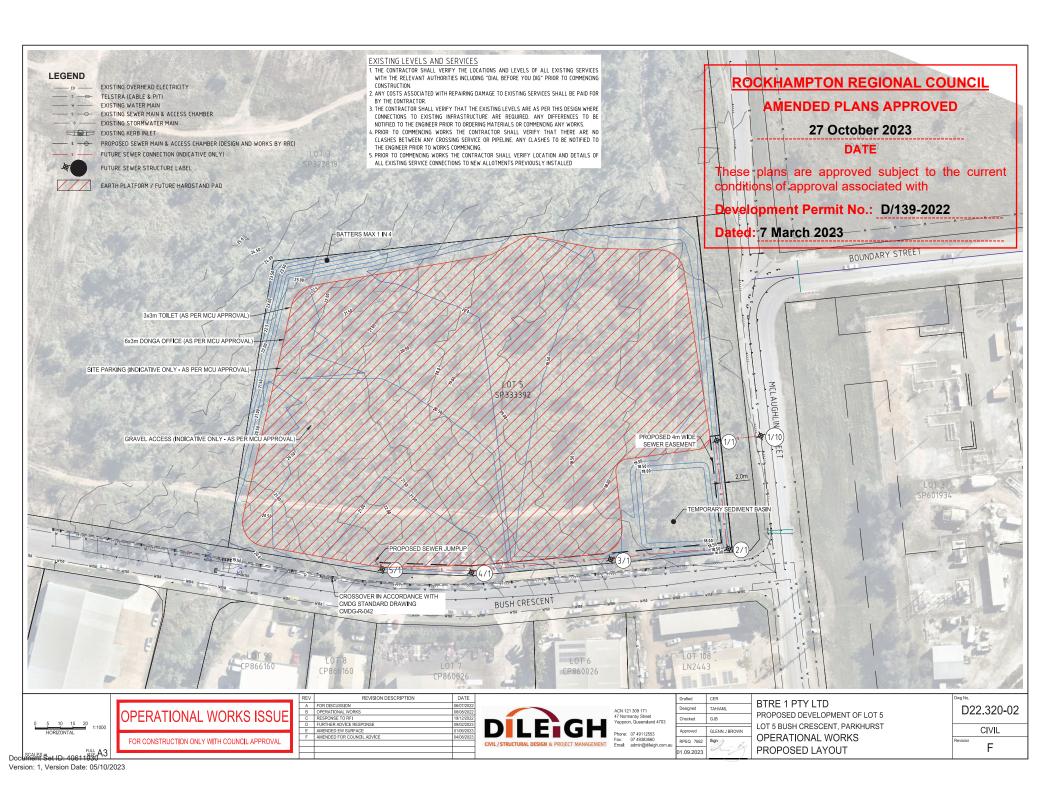
SEDIMENT BASIN SIZING CALCULATIONS



STORMWATER DETAILS & CALCULATIONS

Document Set ID: 40611830

Version: 1, Version Date: 05/10/2023



ROCKHAMPTON REGIONAL COUNCIL AMENDED PLANS APPROVED LEGEND EXISTING OVERHEAD ELECTRICITY 27 October 2023 — T — TELSTRA (CABLE & PIT) EXISTING WATER MAIN (NUMBER DENOTES PIPE SIZE) **DATE** — EXISTING SEWER MAIN & ACCESS CHAMBER EXISTING STORMWATER MAIN These plans are approved subject to the current EXISTING KERB INLET conditions of approval associated with LOT 3 WATER NOTES **Development Permit No.: D/139-2022** SP322819 ALL WATER MAINS TO BE ON 2.5M ALIGNMENT UNLESS OTHERWISE Dated: 7 March 2023 WATER MAINS SHALL BE RRJ TO AS1477 SERIES 2 (BLUE COLOUR) UPVC CLASS 12, MPVC CLASS 16 OR OPVC CLASS 16. MATERIAL CLASS 400. MINIMUM COVER TO WATER MAINS SHALL BE 900MM FOR ROAD PAVEMENTS AND 600MM ELSEWHERE. CONCRETE THRUST BLOCKS TO BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. CMDG-W-041. WATER SLUICE VALVES ARE TO BE ANTI-CLOCKWISE CLOSING. HYDRANT BOX AS PER STD. DWG. CMDG-W-061 TO BE PROVIDED WITH 0.6M TURF SURROUND. HYDRANT MARKERS TO BE BLUE RRPM'S (STIMSONITE OR EQUIV) POSITIONED OFFSET ON CROWN OF ROAD & FIXED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. REFER STD. DWG. CMDG-W-062. HYDRANTS & VALVES TO BE INSTALLED IN ACCORDANCE WITH STD. PLACE DETECTABLE MARKER TAPE IN TRENCH APPROX. 300 mm ABOVE TAPE \ LOT 3 SP333392 _AUGHLIN STREET PROPOSED 40¢ WATER SERVICE IN ACCORDANCE WITH STANDARD DRAWING CMDG-W-090 DETAIL 'B' EXISTING ENDOAF EXISTING VALVE 900¢ MSCL REINSTATE ROADWAY NEATLY -AND SMOOTHLY IN ACCORDANCE WITH CMDG-W-040(G) EXISTING VALVE CONNECTION TO EXISTING MAIN BY FITZROY RIVER WATER (FRW) OR -900ø MSCL UNDER THEIR SUPER VISION UNDER PRIVATE WORKS APPLICATION. BUSH CRESCENT BUSH CRESCENT CONTRACTOR/DEVELOPER TO PAY ALL ASSOCIATED FEES REFER DETAIL FOR CLARITY 150 Ø ASBESTOS CEMENT WATER MAIN EXISTING 150¢ ASBESTOS-LOT 9 LOT 108 LOT 8 LOT 6 CP866160 LOT 7 IN2443 PROPOSED WATER MAIN CONNECTION CP866160 CP860026 CP860026 SCALE 1:200 REVISION DESCRIPTION BTRE 1 PTY LTD TAH/AML Designed D22.320-06 OPERATIONAL WORKS ISSUE PROPOSED DEVELOPMENT OF LOT 5 GJB Checked D FURTHER ADVICE RESPONSE LOT 5 BUSH CRESCENT, PARKHURST CIVIL GLENN J BROWN **OPERATIONAL WORKS** FOR CONSTRUCTION ONLY WITH COUNCIL APPROVAL RPEQ 7682 Sign F WATER CONNECTION 01.09.2023 CALES Set ID: 40611930A3 Version: 1, Version Date: 05/10/2023