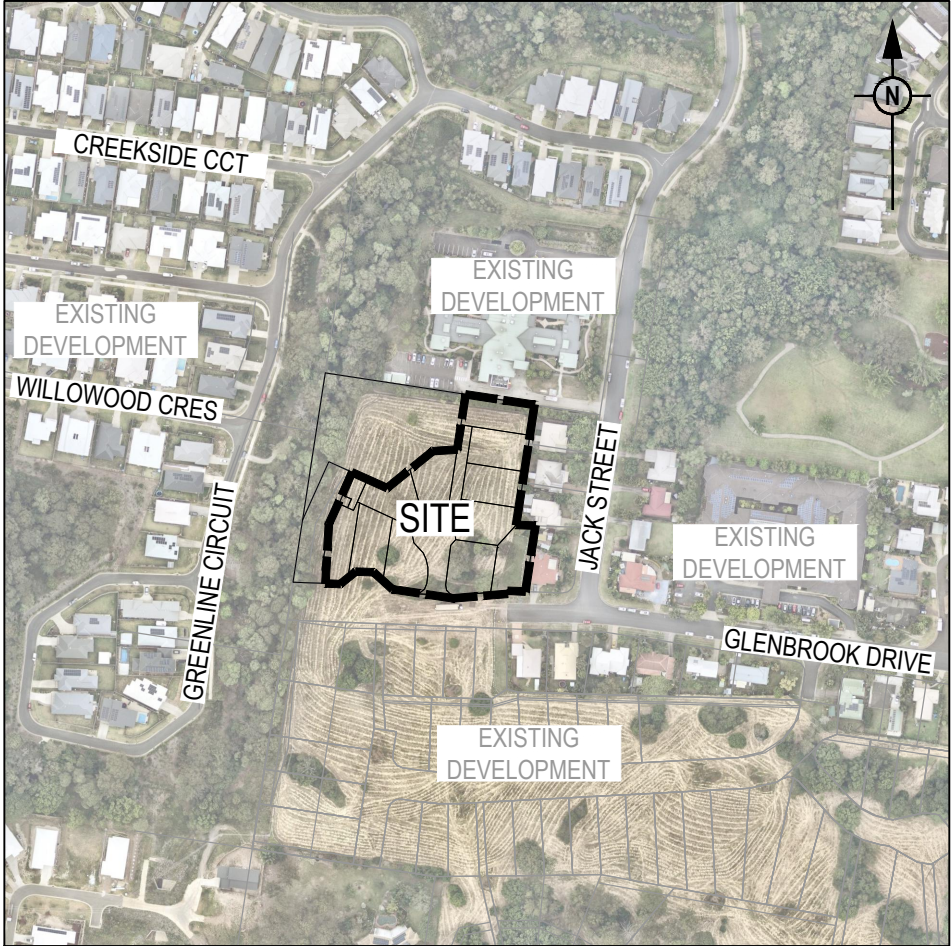




LOCALITY PLAN
1:2000 (A1)
1:4000 (A3)

NAME OF ESTATE		GLENBROOK DRIVE STAGE 5
SUBDIVIDER		MILLWOOD RISE DEVELOPMENTS PTY LTD
SP APPLICATION No.		TBA
SP APPROVAL DATE		TBC
DRAWING/PLAN No.		21-0114-310-313
No. OF ALLOTMENTS		10
AREA		0.78ha
LENGTH OF SEWERS	100Ø uPVC	23.3m
	150Ø uPVC	178.7m
	DN 50 PE100 PRESSURE	96.5m

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 POT HOLE 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 POT HOLE INFORMATION PROVIDED BY THE SURVEYOR AND CONTRACTOR AT THE TIME OF DESIGN.
8. 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 POT HOLE INFORMATION PROVIDED BY THE SURVEYOR AND CONTRACTOR AT THE TIME OF DESIGN.
7. 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.
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.

PRESSURE SEWERAGE NOTES

1. NO MODIFICATION SHALL BE MADE TO THE DESIGN WITHOUT EXPRESS APPROVAL IN WRITING OF THE DESIGNER.
2. HYDRAULIC DESIGN BASED ON INSTALLATION OF DN40 ON-PROPERTY SEWER PIPE.
3. ALL PRESSURE SEWER PIPE TO BE PE100 SDR11 PN16 BLACK WITH CREAM STRIPE
4. ALL PRESSURE SEWER PIPE SHALL BE JOINED BY ELECTROFUSION OR BUTT WELDING TECHNIQUES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. MECHANICAL COUPLINGS ARE NOT PERMITTED EXCEPT FOR CONNECTION TO BOUNDARY CONNECTION KITS.
5. PRESSURE SEWER PIPELINES ARE SHOWN AS PER UNITY WATER STD. ALIGNMENT OFFSETS. OFFSETS TO BE CONFIRMED AT TIME OF INSTALLATION BY THE SUPERVISING ENGINEER.
6. BOUNDARY KIT LOCATIONS SHOWN ON DRAWING ARE INDICATIVE ONLY AND SHALL BE CONFIRMED AT TIME OF INSTALLATION BY THE SUPERVISING ENGINEER PRIOR TO APPROVAL BY UNITYWATER (SEQ-PSS-1100 -1 VER A).
7. PRESSURE SEWER PIPES TO BE INSTALLED IN ACCORDANCE WITH THE SEQ CODE WSA 07-2007-1.1 PRESSURE SEWERAGE CODE OF AUSTRALIA (SEQ WS&S D&C CODE V1.1-2020).
8. BOUNDARY CONNECTION KITS SHALL BE INSTALLED IN ACCORDANCE WITH WSA 07-2007-1.1 (SEQ CODE V1.1-2020), AND DWG'S PE.SS.BC.STD-T7-REVC, SEQ-PSS-1101-1 VER B & SEQ-PSS-1102 VER B.
9. ALL PROPERTY LATERALS TO BE PE100 SDR11 PN16
10. ISOLATION VALVES SHALL BE INSTALLED IN ACCORDANCE WITH WSA 07-2007-1.1(SEQ CODE V1.1-2020) AND DWG SEQ-PSS-1005-1 VER A.
11. FLUSHING POINTS SHALL BE INSTALLED IN ACCORDANCE WITH WSA 07-2007-1.1(SEQ CODE V1.1-2020) AND DWG SEQ-PSS-1007-1 VER A.
12. PRESSURE SEWER PIPE TO BE LAID WITH MINIMUM 900MM COVER UNDER ROAD PAVEMENT, ELSEWHERE MINIMUM 600MM COVER.
13. CLASS 3 FCR BACKFILL SHALL BE USED WHERE PRESSURE SEWER MAIN PASSES BENEATH DRIVEWAYS OR ROAD PAVEMENTS
14. TRACER WIRE CAPABLE OF BEING ENERGISED IS TO BE PLACED IN THE PRESSURE SEWER & PROPERTY LATERAL PIPE TRENCH WITH A MINIMUM OF 350MM COVER
15. A BRIGHTLY COLOURED MARKER TAPE IS TO BE PLACED ABOVE THE TOP OF THE PIPE INDICATING THE PRESENCE OF A PRESSURE SEWER PIPE BELOW.
16. MARKER POSTS ARE REQUIRED AT ALL BENDS, FLUSHING POINTS AND ISOLATION VALVES.
17. EMBEDMENT TYPES TO BE SPECIFIED IN DESIGN DRAWINGS; SEE DWG SEQ-PSS-1000-1.

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.

SOIL

- A. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- B. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.

CREEK CROSSINGS

- A. SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
- B. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- C. NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

- A. PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
- B. PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

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

ALL WATER AND SEWERAGE CONSTRUCTION SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION

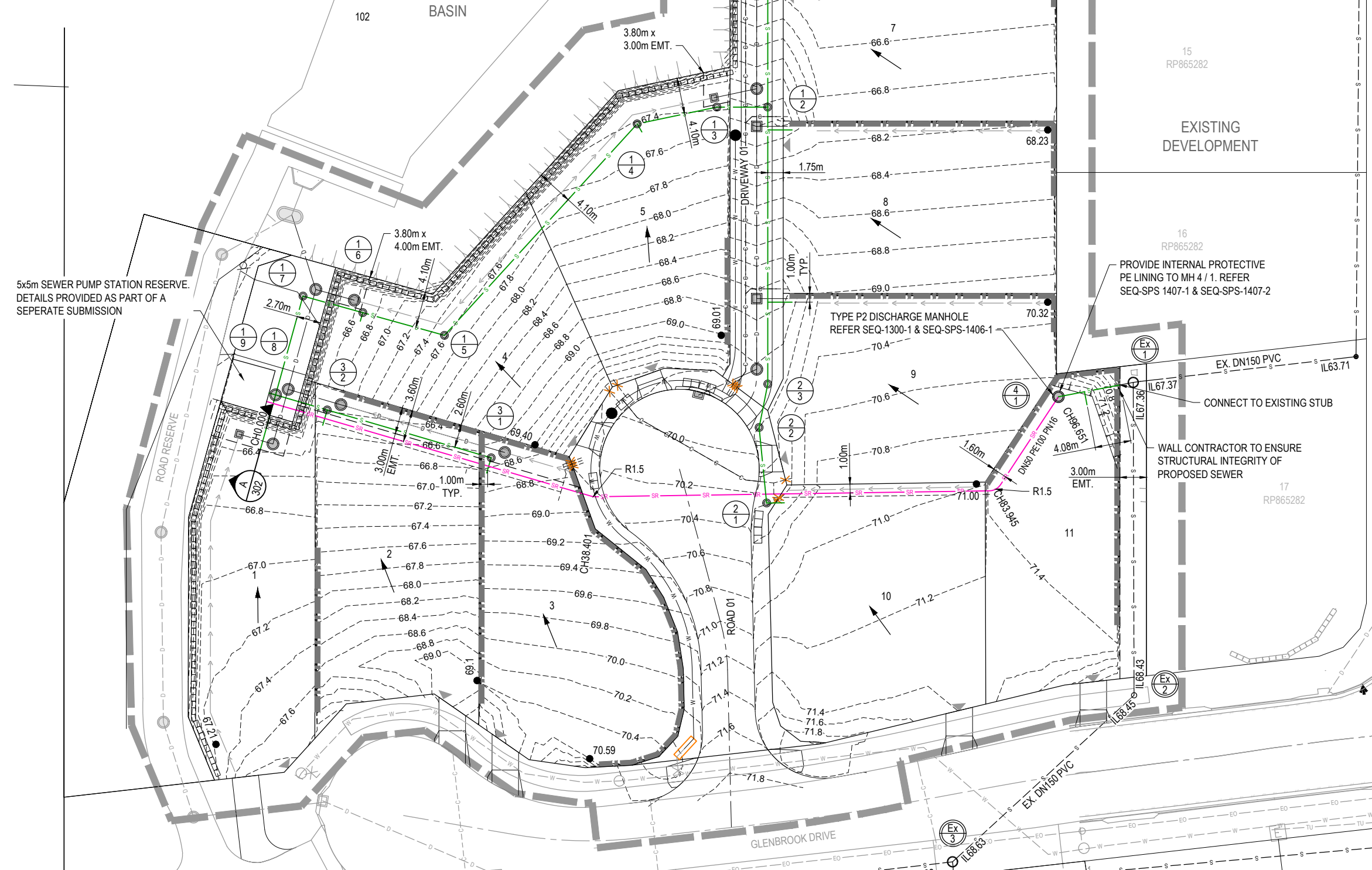
PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:60 AND A MAXIMUM DEPTH OF PROPERTY CONNECTION AT 1.5m UNLESS OTHERWISE STATED. FOR JUNCTION DETAILS REFER SEQ-SEW-1104-1 AND SEQ-SEW-1105-1.

ALL WORKS ON EXISTING SEWER MAINS ARE TO BE CARRIED OUT BY UNITYWATER AT THE DEVELOPER'S EXPENSE, OR AS DIRECTED BY UNITYWATER

REV	DATE	DESIGN	DRAWN	REVISION DETAILS		DRAWN	STATUS			SCALE 1:2000 20 0 20 40 60 80 100 A1 1:4000 A3	CLIENT	PROJECT NAME	DRAWING TITLE						
1	20.05.25	LC	LC	ORIGINAL ISSUE		LC	ISSUED FOR CONSTRUCTION	MILLWOOD RISE DEVELOPMENTS PTY LTD					GLENBROOK DRIVE STAGE 5	SUNSHINE COAST COUNCIL SEWERAGE COVER PLAN					
2	03.07.25	LC	LC	ISSUED FOR CONSTRUCTION							DESIGN	APPROVED JAMES VONHOFF <i>Vonhoff</i> RPEQ 32647		DATE 3.07.25	ASSOCIATED CONSULTANT DTS (07) 31180600	41 GLENBROOK DRIVE NAMBOUR STAGE 5	PROJECT No.	DRAWING No.	REVISION
								LC					FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD				21-0114	310	2

LEGEND

- | | | | |
|--|--------------------------------------|--|-----------------------------------|
| | PROPOSED AREA OF WORKS | | PROPOSED GAS RELIEF VALVE |
| | PROPOSED SEWER MAIN | | PROPOSED RETAINING WALL |
| | PROPOSED DN50 PRESSURE SEWER MAIN | | PROPOSED ROCK RETAINING WALL |
| | PROPOSED DN100 PROPERTY CONNECTION | | EXISTING ROCK RETAINING WALL |
| | EXISTING SEWER MAIN | | EXISTING ELECTRICAL CABLE O/H |
| | SEWER LOT CONTROL SURFACE LEVEL | | PROPOSED STORMWATER DRAINAGE PIPE |
| | INDICATIVE DRIVEWAY LOCATION | | EXISTING STORMWATER DRAINAGE PIPE |
| | FINISHED SURFACE CONTOUR | | PROPOSED SWALE |
| | EXISTING ROOFWATER DRAINAGE PIPE | | |
| | PROPOSED WATER MAIN | | |
| | EXISTING WATER MAIN | | |
| | EXISTING TELECOMMUNICATION CABLE U/G | | |
| | PROPOSED WATER SERVICE POINT | | |



RP DESCRIPTION
LOT 2 ON SP 273404
DATUM LEVEL AND LOCATION:
P.M. 105139 RL 68.20 AHD

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.

NOTE - SETOUT:

REFER TO THE LONGITUDINAL SECTIONS FOR EASTING AND NORTHING SETOUT OF SEWER STRUCTURES, ENDS AND BENDS.

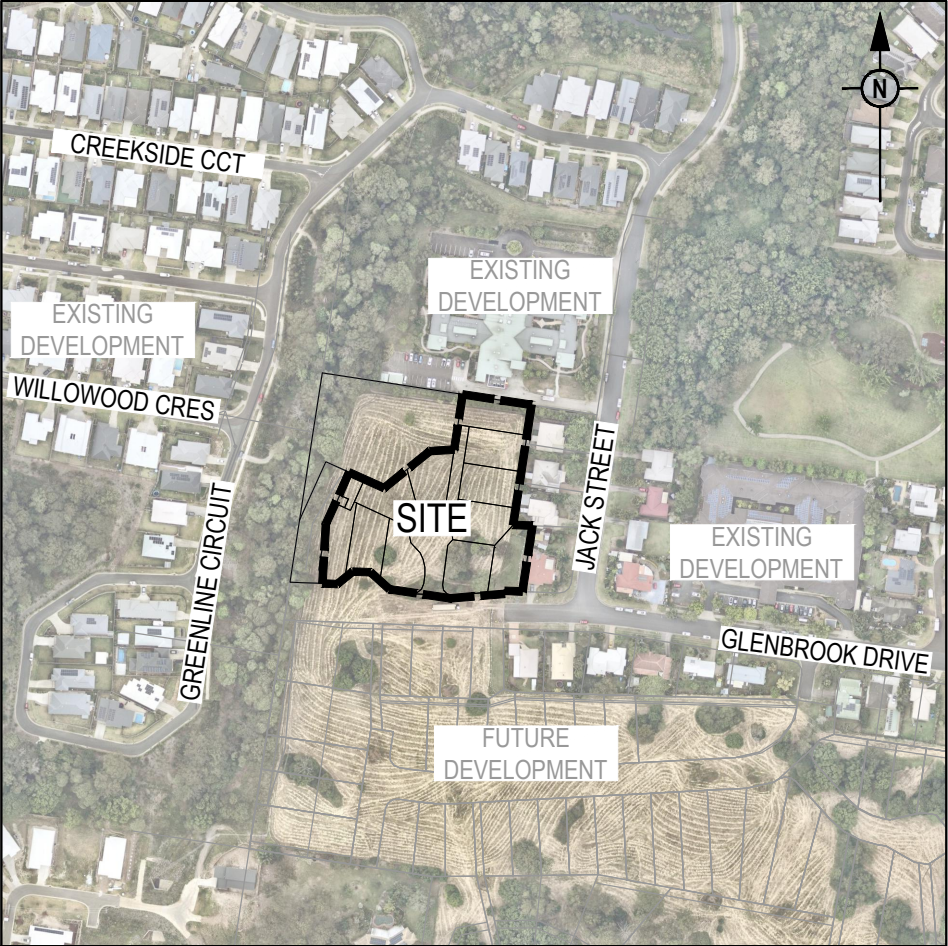
REV	DATE	DESIGN	DRAWN	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE
1	20.05.25	LC	LC	ORIGINAL ISSUE	LC	ISSUED FOR CONSTRUCTION	1:250 1:500	MILLWOOD RISE DEVELOPMENTS PTY LTD	GLENBROOK DRIVE STAGE 5	SUNSHINE COAST COUNCIL SEWERAGE LAYOUT PLAN
2	13.06.25	LC	LC	SEWER EXTENTS UPDATE						
3	03.07.25	LC	LC	ISSUED FOR CONSTRUCTION						
					DESIGN	APPROVED JAMES VONHOFF Vonhoff		ASSOCIATED CONSULTANT DTS (07) 31180600	41 GLENBROOK DRIVE NAMBOR STAGE 5	PROJECT No. 21-0114
					DRAWN	RPEQ 32647 DATE 3.07.25				DRAWING No. 311
						FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD				REVISION 3

RUNNING CHAINAGE

[illegible]

SEWER RISING MAIN FITTING DESCRIPTION	TEMPORARY END CAP		LONG RADIUS VERTICAL BEND 24°48'01" R1.5m		LONG RADIUS VERTICAL BEND 25°39'35" R1.5m		LONG RADIUS VERTICAL BEND 25°39'34" R1.5m		LONG RADIUS VERTICAL BEND 24°48'02" R1.5m		LONG RADIUS VERTICAL BEND 24°50'48" R1.5m		LONG RADIUS HORIZONTAL BEND 17°06'26" R1.5m		LONG RADIUS VERTICAL BEND 25°16'43" R1.5m		LONG RADIUS VERTICAL BEND 2°34'33" R1.5m		LONG RADIUS VERTICAL BEND 2°34'33" R1.5m		LONG RADIUS VERTICAL BEND 0°51'33" R1.5m		LONG RADIUS HORIZONTAL BEND 55°45'28" R1.5m	
BULKHEADS AND TRENCHSTOPS AS PER SEQ-WAT-1209-1 CONCRETE ENCASEMENT AS PER SEQ-WAT-1210-1 & SEQ-WAT-1203-1																								
# EMBEDMENT NOTE: PIPE EMBEDMENT & TRENCHFILL SHALL BE IN ACCORDANCE WITH SEQ-WAT-1200-2 TO 1203-1.																								
DATUM R.L.	54.00																							
LAND USE	RESERVE		ALLOTMENT		ALLOTMENT		ALLOTMENT		ALLOTMENT		ROAD RESERVE		ROAD RESERVE		ALLOTMENT		ALLOTMENT		ALLOTMENT		ALLOTMENT		ALLOTMENT	
DIAMETER	300 mm		300 mm		300 mm		300 mm		300 mm		300 mm		300 mm		300 mm		300 mm		300 mm		300 mm		300 mm	
GRADE	3.00 %		49.90 %		1.50 %		49.90 %		3.00 %		49.90 %		0.50 %		4.99 %		0.50 %		2.00 %		2.00 %		2.00 %	
EMBEDMENT TYPE	TYPE C		TYPE I		TYPE C		TYPE I		TYPE C		TYPE I		TYPE C		TYPE C		TYPE C		TYPE C		TYPE C		TYPE C	
DEPTH TO INVERT	1.500		1.435		0.690		1.117		0.690		0.652		1.390		0.929		0.766		0.664		0.669		1.034	
SEWER INVERT LEVEL	63.100		63.165		65.781		66.048		68.004		68.238		69.040		69.474		69.570		70.295		70.338		70.386	
DESIGN SURFACE LEVEL	64.600		64.600		66.471		67.163		68.703		68.890		70.430		70.403		70.336		70.958		71.007		71.420	
SETOUT	494216.311 7056101.465 494218.281 7056100.550 494223.034 7056088.338						494239.041 7056090.891 494242.598 7056089.235				494249.673 7056085.944 494252.192 7056084.772 494251.988 7056085.148				494270.971 7056082.533				494285.334 7056080.554				494293.872 7056079.378 494286.246 7056079.051	
RUNNING CHAINAGE	0.000 2.173 7.415						25.089 28.993				36.796 38.401 39.269				58.431				72.930				83.945	

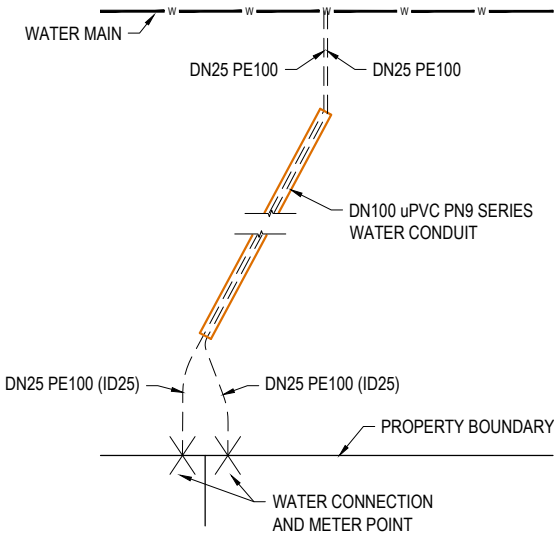
REV	DATE	DESIGN	DRAWN	REVISION DETAILS		DRAWN	STATUS			SCALE 1:200 4 2 0 4 8 A1 1:400 HORIZONTAL 1:100 1 0 1 2 3 4 5 A1 1:200 VERTICAL	CLIENT MILLWOOD RISE DEVELOPMENTS PTY LTD ASSOCIATED CONSULTANT DTS (07) 31180600	PROJECT NAME GLENBROOK DRIVE STAGE 5 41 GLENBROOK DRIVE NAMBOUR STAGE 5	DRAWING TITLE SUNSHINE COAST COUNCIL PRESSURE SEWERAGE LONGITUDINAL SECTIONS		
1	20.05.25	LC	LC	ORIGINAL ISSUE		LC	ISSUED FOR CONSTRUCTION	DATE 3.07.25 RPEQ 32647 JAMES VONHOFF <i>J Vonhoff</i> FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD					PROJECT No. 21-0114	DRAWING No. 313	REVISION 2
2	03.07.25	LC	LC	ISSUED FOR CONSTRUCTION											



LOCALITY PLAN

1:2000 (A1)
1:4000 (A3)

NAME OF ESTATE	GLENBROOKE DRIVE, STAGE 5
SUBDIVIDER	MILWOOD DRIVE DEVELOPMENTS PTY LTD
SP APPLICATION No.	TBA
SP APPROVAL DATE	TBC
No. OF ALLOTMENTS	11



TYPICAL ROAD CROSSING FOR WATER
MAIN CONNECTIONS
NOT TO SCALE

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. 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.
7. 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.
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.

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 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.
4. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SP'S 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 THE SEQ-SP.
5. ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
6. COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
7. CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
8. A WATER METER SUPPLIED AT THE DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE STANDARD DRAWING FOR THE SEQ-SP.
9. HYDRANTS TO BE INSTALLED AT THE END OF ALL NEW MAINS WHERE REQUIRED FOR TESTING AND COMMISSIONING PURPOSES.

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.

SOIL

- A. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- B. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.

CREEK CROSSINGS

- A. SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
- B. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- C. NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

- A. PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
- B. PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

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

ALL WATER AND SEWERAGE CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION. PHONE 1300 362 128

ALL WORKS ON EXISTING WATER MAINS TO BE CARRIED OUT BY UNITYWATER AT THE DEVELOPER'S EXPENSE

REV	DATE	DESIGN	DRAWN	REVISION DETAILS	DRAWN	STATUS	SCALE	CLIENT	PROJECT NAME	DRAWING TITLE
1	20.05.25	LC	LC	ORIGINAL ISSUE	LC	ISSUED FOR CONSTRUCTION	1:2000 20 0 20 40 60 80 100 A1	MILLWOOD RISE DEVELOPMENTS PTY LTD	GLENBROOK DRIVE STAGE 5	SUNSHINE COAST COUNCIL WATER RETICULATION COVER PLAN
2	03.07.25	LC	LC	ISSUED FOR CONSTRUCTION	LC	APPROVED JAMES VONHOFF RPEQ 32647 DATE 3.07.25	1:4000	ASSOCIATED CONSULTANT DTS (07) 31180600	41 GLENBROOK DRIVE NAMBOUR STAGE 5	PROJECT No. 21-0114 DRAWING No. 314 REVISION 2
						FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD				

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.

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.

LEGEND

- PROPOSED AREA OF WORKS
- PROPOSED WATER MAIN DN125
- PROPOSED MAIN REQUIRING TRENCHSTOPS IN ACCORDANCE WITH SEW-WAT-1209-1
- EXISTING WATER MAIN
- PROPOSED WATER CONDUIT
- EXISTING WATER CONDUIT
- HIGH POINT / LOW POINT
- INDICATIVE DRIVEWAY LOCATION
- PROPOSED STORMWATER DRAINAGE PIPE
- EXISTING STORMWATER DRAINAGE PIPE
- EXISTING ROOFWATER DRAINAGE PIPE
- PROPOSED SEWER MAIN
- PROPOSED PRESSURE SEWER MAIN
- EXISTING SEWER MAIN
- EXISTING ELECTRICAL CABLE O/H
- EXISTING TELECOMMUNICATION CABLE U/G

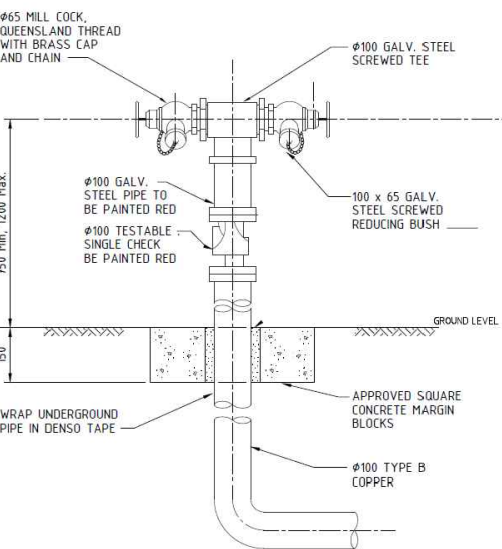
WATER FITTINGS LEGEND

PROPOSED:

- MASTER METER
- FIRE HYDRANT
- ISOLATION VALVE
- DEAD END
- REDUCER
- WATER SERVICE POINT

EXISTING:

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



TYPICAL DUAL PILLAR FIRE HYDRANT- (WITH TESTABLE DEVICE)
SCALE: NTS

FIRE HYDRANTS TO BE DUAL PILLAR WITH TESTABLE DEVICE IN ACCORDANCE WITH A.S 3500.1

RP DESCRIPTION

LOT 2 ON SP 273404

DATUM LEVEL AND LOCATION:

P.M. 105139 RL 68.20 AHD

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
1	20.05.25	LC	LC	ORIGINAL ISSUE
2	03.07.25	LC	LC	ISSUED FOR CONSTRUCTION

DRAWN	STATUS
LC	ISSUED FOR CONSTRUCTION
DESIGN	APPROVED
LC	JAMES VONHOFF RPEQ 32647 DATE 3.07.25



SCALE
1:250 5 0 5 10 A1 1:500 A3

CLIENT
MILLWOOD RISE DEVELOPMENTS PTY LTD
ASSOCIATED CONSULTANT
DTS (07) 31180600

PROJECT NAME
GLENBROOK DRIVE STAGE 5
41 GLENBROOK DRIVE NAMBOUR STAGE 5

DRAWING TITLE
SUNSHINE COAST COUNCIL WATER RETICULATION LAYOUT PLAN
PROJECT No.
21-0114
DRAWING No.
315
REVISION
2

