








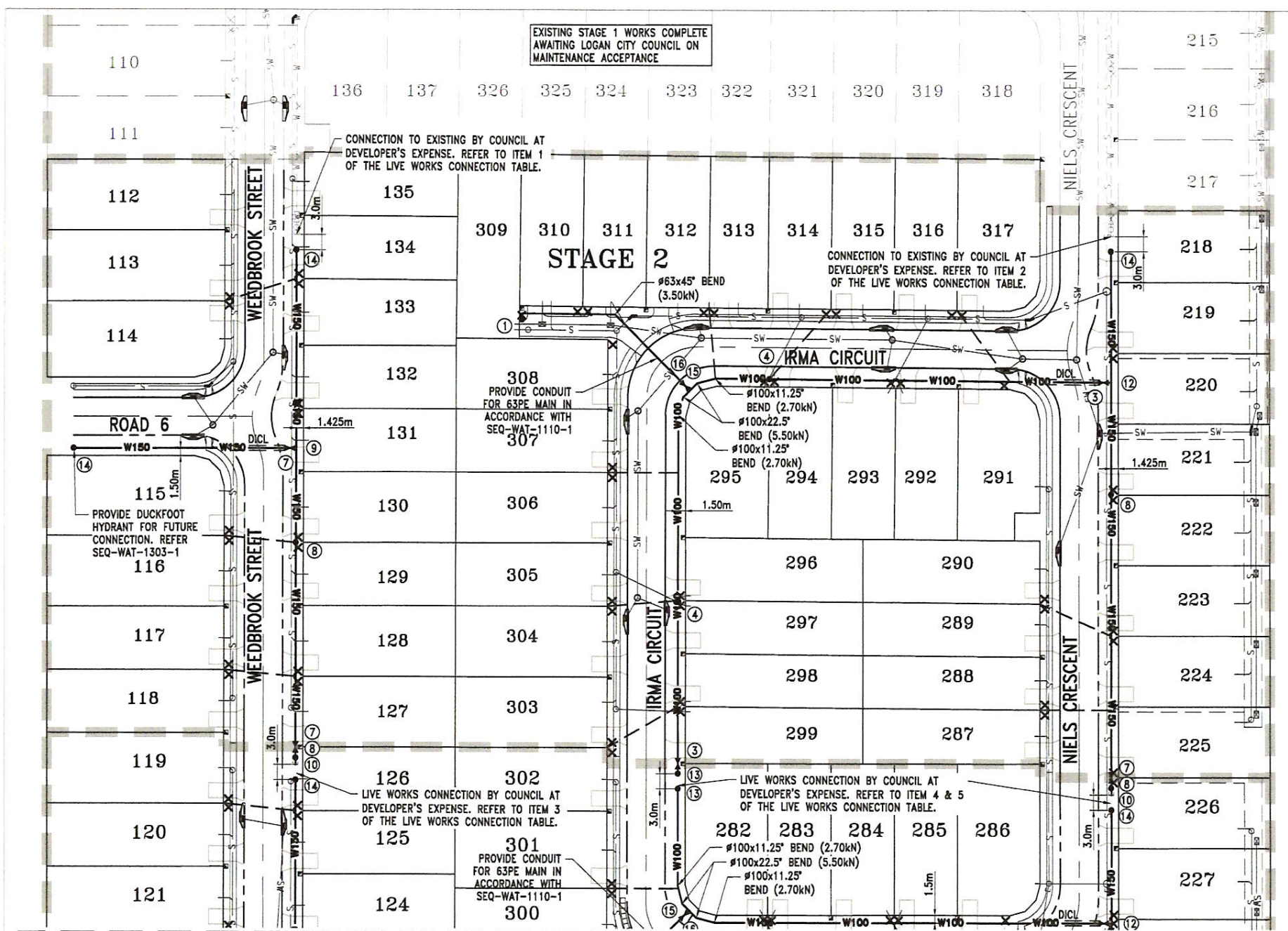
LOGAN CITY COUNCIL
APPROVED PLAN OF DEVELOPMENT
This is the approved plan of development for Development Application
OW/42/2018

LEGEND

- | | | |
|---|-------|--------------------------------|
|  | 12 | FINISHED SURFACE
CONTOURS |
|  | | NOMINAL KERB LINE |
|  | SW | PROPOSED STORMWATER |
|  | SW SW | EXISTING STORMWATER |
|  | | CATCHMENT BOUNDARY |
|  | | EXISTING CATCHMENT
BOUNDARY |
|  | | CATCHMENT LABEL
& AREA |

JOINS SHEET 2

REV	DESCRIPTION	BY	CHK	DATE	SURVEYOR		JOHN HARRISON RPEQ 5023	Bradford Lees Pty Ltd ABN 29 064 159 191 Ph 07 5528 6411 Fax 07 5528 6422 Web www.bradlees.com.au Email mail.a.bradlees@earthlink.net Postal PO Box 2293, Southport QLD 4215 Gold Coast Office Level 1, 34 Thomas Drive, Chevron Island QLD 4217 Brisbane Ph 07 3018 5034 Sunshine Coast Ph 07 5451 1994	CLIENT SOLANDER SYNDICATE LIMITED	PROJECT 409-429 PARK RIDGE ROAD PARK RIDGE - STAGES 2 & 3 LOGAN CITY COUNCIL	DESIGNED AB DRAWN JW APPROVED JH DATE 26.09.17 SCALE @ A1 1:500 SHEET 1 OF 2			
											PROJECT No 116460 DRAWING No 227 REV A			



SCHEDULE OF FITTINGS

No.	Description
①	#63 Flushing Point
②	#100 x #100 Tee
③	#100 Stop Valve
④	#100 Fire Hydrant
⑤	#100 Dead End Cap
⑥	#100 x #63 Reducer
⑦	#150 Stop Valve
⑧	#150 Fire Hydrant
⑨	#150 x #150 Tee
⑩	#150 Dead End Cap
⑪	#150 x #100 Reducer
⑫	#150 x #100 Tee
⑬	#100 Duckfoot Hydrant
⑭	#150 Duckfoot Hydrant
⑮	#100 x #63 Tee
⑯	#63 Stop Valve

EXISTING CLAREMONT VILLAGE

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---	NOMINAL KERB LINE
W100	#100 PROPOSED WATER MAIN - MPVC
W150	#150 PROPOSED WATER MAIN - MPVC
—●—●—	FIRE HYDRANT, STOP VALVE, REDUCER & DEAD END CAP
DICL	DUCTILE IRON CONCRETE LINED
X	WATER METER SERVICE AS PER SEQ-WAT-1110-2
— — —	WATER CONDUITS
②	FITTINGS NUMBER
—SW—	STORMWATER
—S—	SEWER MAIN
---	PROPOSED EASEMENT
-W-----W-----	EXISTING WATER
-S-----S-----	EXISTING SEWER
-RM-----RM-----	EXISTING SEWER RISING MAIN
-SW-----SW-----	EXISTING STORMWATER
■	STAGE BOUNDARY
□	INDICATIVE LOCATION OF ELECTRICAL PILLAR BOX
□	DRIVEWAY LOCATIONS CONSIDERED DURING DESIGN (NOT TO BE BUILT BY CIVILS)

WATER NOTES:

- THE GENERAL ALIGNMENT OF WATER MAINS SHALL BE 1.50m OUTSIDE THE PROPERTY BOUNDARY UNLESS SHOWN OTHERWISE. WHERE WATER AND SEWER SERVICES SHARE THE SAME VERGE THE WATER ALIGNMENT MAY BE REDUCED FROM 1.5m TO 1.425m.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND (SEQ) WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- WATER RETICULATION MAINS SHALL BE CONSTRUCTED WITH MPVC PN16 PIPE UNLESS SHOWN OTHERWISE.
- TRENCH EMBEDMENT TO BE TYPE C SUPPORT IN ACCORDANCE WITH SEQ CODE STANDARD DRAWING SEQ-WAT-1201-1.
- DEAD ENDS OF WATER MAINS TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ CODE REQUIREMENTS.
- REFER TO SEQ CODE STANDARD DRAWINGS SEQ-WAT-1301-1 & SEQ-WAT-1302-1 FOR VALVE AND HYDRANT INSTALLATION DETAILS.
- MARKERS ARE REQUIRED FOR ALL HYDRANTS AND VALVES IN ACCORDANCE WITH SEQ CODE STANDARD DRAWINGS SEQ-WAT-1300-1 & SEQ-WAT-1300-2.
- WHERE THERE IS A DIRECT LINE CLASH BETWEEN THE POWER SUPPLY PILLAR/STREET LIGHT AND FIRE HYDRANT THE FIRE HYDRANT IS TO BE LOCATED 1000mm OFF THE PROLONGATION OF ANY COMMON BOUNDARY, I.e. 1000mm AWAY FROM THE POWER SUPPLY PILLAR/STREET LIGHT.
- THE CONTRACTOR SHALL DETERMINE ALLOWABLE BEARING CAPACITIES OF THE UNDISTURBED SIDE OF THE TRENCH. DIMENSIONS OF THE THRUST BLOCK ARE TO BE IN ACCORDANCE WITH SEQ CODE STANDARD DRAWING SEQ-WAT-1205-1.
- WATER MAINS SHALL BE TESTED UNDER HYDRAULIC PRESSURE TO A PRESSURE TEST OF 1.2MPa. REFER TO SEQ CODE AND WSA 03 2011 V3.1 CLAUSE 19.4 FOR DETAILS.
- ALL CONNECTIONS TO EXISTING/ LIVE WATER MAINS TO BE MADE BY COUNCIL AT DEVELOPER'S EXPENSE. CONNECTION TO INCLUDE STOP VALVE AS DIRECTED BY SUPERINTENDENT.
- WATER SERVICE CONDUITS TO BE 100mm DIA uPVC WITH SOLVENT WELD JOINTS IN ACCORDANCE WITH SEQ CODE STANDARD DRAWING SEQ-WAT-1110-1.
- CONTRACTOR TO SUPPLY READY TAPS ONLY. METERS TO BE PROVIDED AND INSTALLED BY LOGAN WATER. REFER SEQ CODE STANDARD DRAWING SEQ-WAT-1110-1 & 1110-2 FOR TYPICAL PROPERTY SERVICES.
- ALL WATER CONDUITS TO EXTEND 300mm BEYOND CONCRETE FOOTPATH IN ACCORDANCE WITH SEQ CODE STANDARD DRAWING SEQ-WAT-1110-1. WHERE NO FOOTPATHS ARE PRESENT, WATER SERVICE CONDUITS ARE TO EXTEND 300mm MINIMUM BEHIND BACK OF KERB.
- ALL HYDRANT TEES ARE TO BE DN100.
- NEW WATER MAIN IN THE VICINITY OF THE LIVE CONNECTION IS TO BE LAID AT A LEVEL THAT SUITS THE EXISTING WATER MAIN.
- CONSTRUCT ALL WATER MAINS, ASSOCIATED STRUCTURES AND APPURTENANCES IN ACCORDANCE WITH THE TOLERANCES SPECIFIED IN CLAUSE 21.2 TO 21.5 INCLUSIVE, EXCEPT WHERE WATER MAINS CROSS OR RUN PARALLEL WITH OTHER SERVICES WHEN MINIMUM CLEARANCES SHOULD BE MAINTAINED.
- WATER MAINS ARE NOT PERMITTED TO BE CONSTRUCTED WITHIN THE ROAD BOX. ROAD CROSSING DESIGN IS TO ACCOUNT FOR THE CONSTRUCTION PHASE OF THE DEVELOPMENT TO PROVIDE THE REQUIRED COVER.
- REFER TO SEQ WS&S D&C CODE TABLE 7.5 AND STANDARD DRAWING SEQ-WAT-1209-1 FOR TRENCHSTOP (GRADE 5-14%) AND BULKHEAD (GRADE 15-29%) DETAILS.
- ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
- COVER ON MAINS FROM PERMANENT LEVEL TO BE SHOWN IN SEQ-WAT-1200-2.
- CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
- 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. (CONTRACTOR TO SUPPLY READY TAPS ONLY).
- 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.
- TEST/CHLORINATION POINTS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING NO. SEQ-WAT-1410-1.
- 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.

LIVE WATER MAIN WORKS

No.	DESCRIPTION	WATER DIA/MAT.	ADJACENT LOT NO.	COVER DEPTH
1(A)	CONTRACTOR TO CONSTRUCT WATERMAIN INCLUDING ALL FITTINGS AND LEAVE 3.0m SHORT OF EXISTING MAIN FOR CONNECTION BY COUNCIL.	150/MPVC	134	600mm
1(B)	CONNECTION TO EXISTING #150mm MAIN BY COUNCIL, COMPLETE INCLUDING BUT NOT LIMITED TO REMOVAL OF DUCKFOOT HYDRANT AND 2 x 150mm GIBALT JOINTS & 3.0m 150mm MPVC MAIN.			
2(A)	CONTRACTOR TO CONSTRUCT WATERMAIN INCLUDING ALL FITTINGS AND LEAVE 3.0m SHORT OF EXISTING MAIN FOR CONNECTION BY COUNCIL.	150/MPVC	218	600mm
2(B)	CONNECTION TO EXISTING #150mm MAIN BY COUNCIL, COMPLETE INCLUDING BUT NOT LIMITED TO REMOVAL OF DUCKFOOT HYDRANT AND 2 x 150mm GIBALT JOINTS & 3.0m 150mm MPVC MAIN.			
3(A)	CONTRACTOR TO CONSTRUCT WATERMAIN INCLUDING ALL FITTINGS AND LEAVE 3.0m SHORT OF EXISTING MAIN FOR CONNECTION BY COUNCIL.	150/MPVC	126	600mm
3(B)	CONNECTION TO EXISTING #150mm MAIN BY COUNCIL, COMPLETE INCLUDING BUT NOT LIMITED TO REMOVAL OF DUCKFOOT HYDRANT AND 2 x 150mm GIBALT JOINTS & 3.0m 150mm MPVC MAIN.			
4(A)	CONTRACTOR TO CONSTRUCT WATERMAIN INCLUDING ALL FITTINGS AND LEAVE 3.0m SHORT OF EXISTING MAIN FOR CONNECTION BY COUNCIL.	100/MPVC	282	600mm
4(B)	CONNECTION TO EXISTING #100mm MAIN BY COUNCIL, COMPLETE INCLUDING BUT NOT LIMITED TO REMOVAL OF 2 x DUCKFOOT HYDRANT AND 2 x 100mm GIBALT JOINTS & 3.0m 100mm MPVC MAIN.			
5(A)	CONTRACTOR TO CONSTRUCT WATERMAIN INCLUDING ALL FITTINGS AND LEAVE 3.0m SHORT OF EXISTING MAIN FOR CONNECTION BY COUNCIL.	150/MPVC	226	600mm
5(B)	CONNECTION TO EXISTING #150mm MAIN BY COUNCIL, COMPLETE INCLUDING BUT NOT LIMITED TO REMOVAL OF DUCKFOOT HYDRANT AND 2 x 150mm GIBALT JOINTS & 3.0m 150mm MPVC MAIN.			

MINIMUM COVER TO WATER MAINS

LOCATION	≤#200mm NB	≥#250mm NB
NON-ROADWAYS	600mm	1000mm
SEALED ROADS	600mm	1000mm
MAJOR ROADS/EMBANKMENT	750mm	1000mm
FREWAYS	1200mm	1200mm



FIRE ANT NOTE:

UNDER QUEENSLAND LEGISLATION, FIRE ANTS ARE A NOTIFIABLE PEST AND SUSPECTED SIGHTING MUST BE REPORTED TO BIOSECURITY QUEENSLAND. MOVEMENT OF FIRE ANTS IS PROHIBITED UNLESS APPROVED OTHERWISE BY THE DEPARTMENT OF PRIMARY INDUSTRIES. THE CONTRACTOR SHALL ACQUIRE THE NECESSARY PERMITS TO COMPLETE THE WORKS.

REV		DESCRIPTION		BY	DATE
A	ORIGINAL ISSUE	JW	AR	26.09.17	
B	VERTICAL CLEARANCE TABLE REMOVED	CC	AR	12.01.18	
C	WATER LAYOUT AND FITTINGS UPDATED	JW	AR	13.03.18	
D	WATER LAYOUT AMENDED	JW	AR	27.03.18	

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