



LOCALITY PLAN

SERVICE PROVIDER AND CONSTRUCTOR LIVE SEWER WORKS

No.	DESCRIPTION	DIA. SEWER	MH NO.	MH/MS TYPE	COVER TYPE	LOT NO.	F.S.L.	E.S.L.	I.L.	DEPTH TO INVERT
1 (A)	CONTRACTOR TO BREAK INTO EXISTING MAINTENANCE HOLE 1/11 AND CONSTRUCT NEW PROPERTY CONNECTION	DN110	1/11	C2	D	ROAD RESERVE	9.000	8.94	5.258	3.742

2

NAME OF EST	ΓΑΤΕ	RIVERBANK ESTATE				
SUBDIVIDER		PEET CABOOLTURE SYNDICATE				
APPLICATION	l No.	DA/19872/2008/VCHG/2				
SP DELEGATI APPROVAL D		**				
DRAWING/PL	AN No.	B08461.1 - 500-502				
No. OF LOTS		5				
AREA IN Ha.		0.096				
LENGTH	DN110	(3.60)				
OF SEWERS	DN160	(-) 2				

DATUM LEVEL
P.S.M. 109474
RL 15.112 AHD
E:1741.725 N: 4347.042
(ALONG DICKSON ROAD SOUTH
OF WATTLE WAY INTERSECTION)

CALIBRE CONSULTING (QLD) PTY LTD			
CONTACT			
DANIEL COLLINS			
TELEPHONE			
(07) 3895 3444			

SEWER RETICULATION NOTES

- 1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH FOLLOWING CURRENT SPECIFICATIONS AND STANDARDS (IN ORDER OF PRIORITY):
 - SOUTH EAST QUEENSLAND SEWERAGE CODE (SEQ-SP's)
 - SEWERAGE CODE OF AUSTRALIA WSA02-2014 V3.1.
- 2. UNLESS SPECIFIED OTHERWISE, ALL WORK AND MATERIALS SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING MUST HAVE CONTRACT ADMINISTRATION UNDERTAKEN BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORK NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
- 4. ALL WORK ASSOCIATED WITH LIVE SEWERS OR MAINTENANCE STRUCTURES SHALL BE CARRIED OUT BY UNITY WATER AT THE DEVELOPER'S EXPENSE OR AS DIRECTED BY UNITY WATER.
- ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE 'ACCEPTED PRODUCTS AND MATERIALS' LIST.
- EACH ALLOTMENT SHALL BE SERVED BY A DN110 PE (OR DN100 uPVC) PROPERTY CONNECTION. FOR ALLOTMENTS
 OTHER THAN SINGLE RESIDENTIAL, A DN160 PE (OR DN150 uPVC) PROPERTY CONNECTION SHALL BE PROVIDED.
- PROPERTY CONNECTIONS SHALL BE LOCATED WITHIN THE PROPERTY AS SHOWN IN THE DRAWINGS.
- PROPERTY CONNECTION BRANCHES SHALL EXTEND INTO THE PROPERTY A MINIMUM OF 300mm (QUU, GCCC, LCC & RCC) OR 500mm (UNITY WATER) AND A MAXIMUM OF 750mm.
- 9. WHÉRE PIPES ARE LAID IN FILL, THE FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300mm (LOOSE) IN DEPTH AND SHALL BE COMPACTED UNTIL THE COMPACTION IS NOT LESS THAN 95% OF THE MATERIAL'S MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1289 (MODIFIED COMPACTION). TESTING SHALL BE CARRIED OUT AFTER EACH ALTERNATE LAYER. IN ALL SUCH CASES, APPROVAL OF CONSTRUCTED SEWERS WILL NOT BE ISSUED BY SEQ SERVICE PROVIDER UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
- WHERE SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER, BULKHEADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SEQ-SP's.
- 11. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
- 12. SEWER SHALL BE DISUSED/ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ-SP's.
- 13. BENCH MARK AND LEVEL TO AHD.

ENVIRONMENTAL MANAGEMENT APPROVAL NOTES

VEGETATION PROTECTION

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

SOIL

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

CREEK CROSSING

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

REHABILITATION

- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS ARE TO BE REINSTATED.
- B. PREDISTURBANCE VEGETATION PATTERNS SHOULD BE RESTORED.

NOTE

NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THE JOB DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE SUPERINTENDENT OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY.

THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ANY UNDERGROUND SERVICES IN THIS AREA AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO.

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1 IN 60 AND A MAXIMUM DEPTH OF PROPERTY CONNECTION OF 1.50m, UNLESS NOTED OTHERWISE.

ALL CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE WORKPLACE HEALTH AND SAFETY LEGISLATION. ALL ENVIRONMENTAL PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK INCLUDING CLEARING COMMENCING.

UNITY WATER REF No. 2015003581S2E

REVISION DATE ISSUE DETAILS

DRAWN DESIGN DRAWN

1 31.08.18 ISSUE FOR APPROVAL
2 20.02.19 ISSUE FOR COUNCIL RFI

NA CR

DESIGN NA CR

NOT FOR APPROVAL
NOT FOR CONSTRUCTION

DESIGN DAPPROVED
DANIEL COLLINS RPEQ 18631

FOR & ON BEHALF OF GALIBRE CONDUCTIVE OF CONSTRUCTION





RIVERBANK ESTATE STAGE 2E

ATE SEWER RETICULATION COVER SHEET

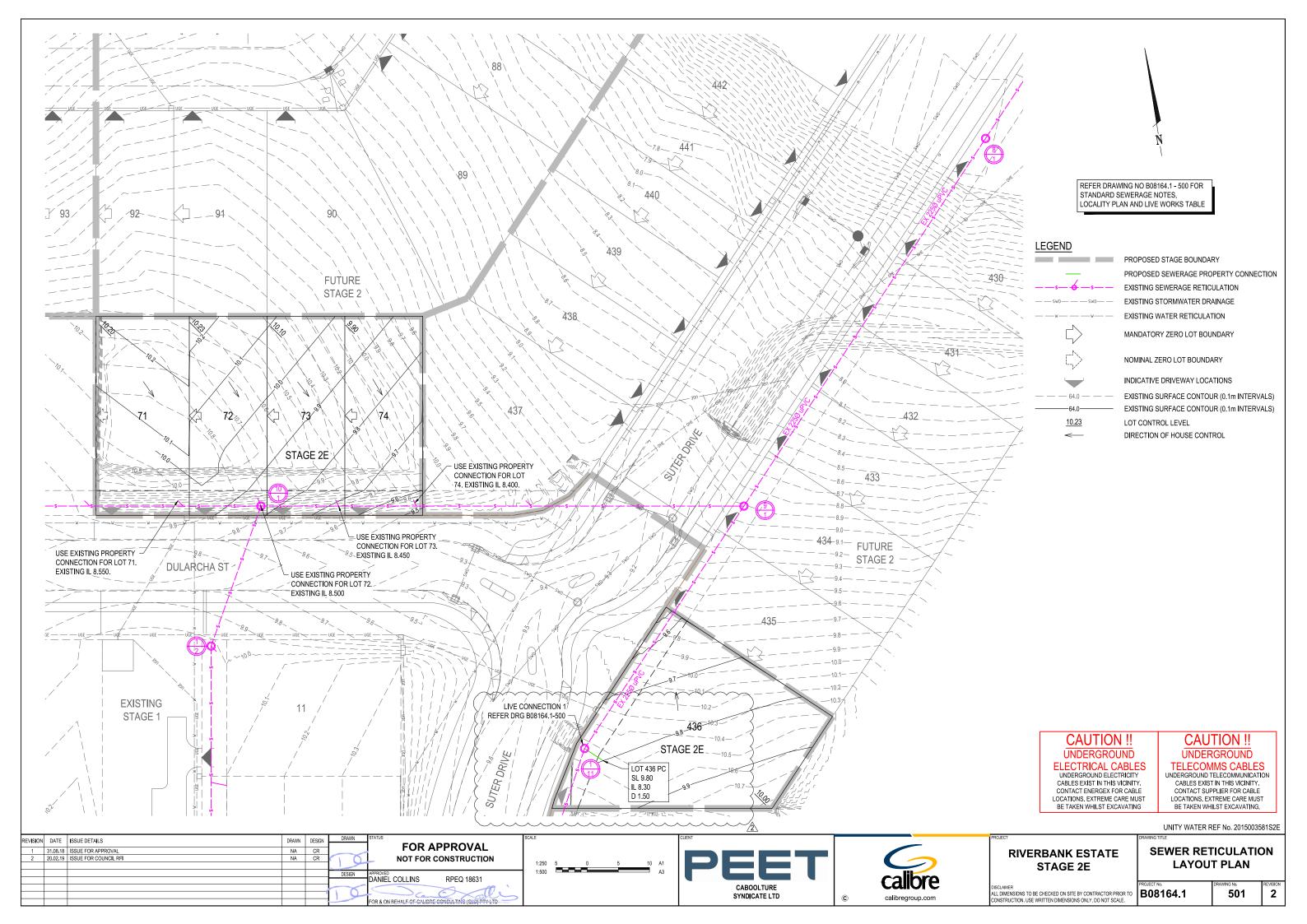
SCLAIMER

LL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO DISTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.

JECT No. DRAWING No.

B08164.1 500

2





LOCALITY PLAN N.T.S.

NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THE JOB DRAWINGS NO RESPONSIBILITY IS TAKEN BY THE SUPERINTENDENT OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ANY UNDERGROUND SERVICES IN THIS AREA AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO.

ALL CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE WORKPLACE HEALTH AND SAFETY LEGISLATION.

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

ENVIRONMENTAL MANAGEMENT APPROVAL NOTES

VEGETATION PROTECTION

- TREES LOCATED ALONG FOOTPATH SHOULD BE, WHERE POSSIBLE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHOULD BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES MUST BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND
- WHERE POSSIBLE, TREE ROOTS SHOULD BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED, THE DAMAGED AREA SHOULD BE TREATED WITH A SUITABLE FUNGICIDE, CONTACT COUNCIL ARBORIST FOR FURTHER ADVICE.
- ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.
- TOPSOIL AND SUBSOIL SHOULD BE STOCKPILED SEPARATELY.
- CARE SHOULD BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES. CREEK CROSSINGS
- SILTATION CONTROL MEASURES SHOULD BE PLACED DOWNSTREAM OF ANY EXCAVATION WORKS
- APPROPRIATE SEDIMENT CONTROLS SHOULD BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- NO SOIL SHOULD BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS ARE TO BE REINSTATED. PREDISTURBANCE VEGETATION PATTERNS SHOULD BE RESTORED.

ABBREVIATIONS

- LOW POINT - MAINTENANCE HOLE - ASBESTOS CEMENT MS - MAINTENANCE SHAFT - CAST IRON CEMENT LINED - MODIFIED POLY VINYL CHLORIDE - MILD STEEL BUTT WELD mP\/C - CAST IRON SPUN LINED - CONCRETE REINFORCED CISL CR MSBW MSCL - MILD STEEL CEMENT LINED CTS - CUT TO SUIT PΕ - POLYETHYLENE - CONCRETE UN-REINFORCED PMT - PADMOUNT TRANSFORMER - DUCTILE IRON (ELECTRICAL SITE)
RTS - ROTATE TO SUIT - DUCTILE IRON CEMENT LINED - DIAMETER NOMINAL DN EW

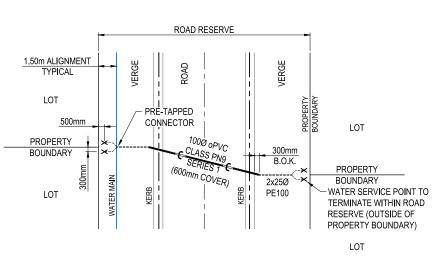
SC TEP - STOP COCK/WATER METER - EARTHENWARE

- FIRE HYDRANT - HOUSE CONNECTION - HIGH POINT - JOINT DEFLECTION

- TERMINAL ENTRY POINT oPVC - ORIENTED POLY VINYL CHLORIDE UW VC - UNITYWATER - VITRIFIED CLAY

WATER RETICULATION NOTES

- 1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH FOLLOWING CURRENT SPECIFICATIONS AND STANDARDS (IN ORDER OF PRIORITY): - SOUTH EAST QUEENSLAND WATER SUPPLY CODE (SEQ-SP's)
- WATER SUPPLY CODE OF AUSTRALIA WSA03-2011 V3.1. 2. UNLESS SPECIFIED OTHERWISE, ALL WORK AND MATERIALS SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- 3. ADOPT LIP OF KERB AS PERMANENT LEVEL.
- 4. COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN STANDARD DRAWING SEQ-WAT-1200-2.
- 5. CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS IN SEQ-SP's.
- 6. A WATER METER SUPPLIED AT DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE STANDARD DRAWINGS IN SEQ-SP's.
- 7. ALL MATERIAL USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SP's.
- 8. ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS, WHERE POSSIBLE.
- 9. THE CONSTRUCTION OF THE WATER SUPPLY RETICULATION WORK SHOWN ON THIS DRAWING MUST HAVE CONTRACT ADMINISTRATION UNDERTAKEN BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORK NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
- 10. ALL WORK ON EXISTING WATERMAINS TO BE CARRIED OUT BY UNITYWATER AT DEVELOPER'S EXPENSE



TYPICAL WATER SERVICE AND CONDUIT DETAIL (REFER S.E.Q. (UNITYWATER) STD. DRG. WAT-1108-1 TO 1108-3) SCALE: N.T.S.

3.00m LIVE CONNECTION BY UNITY WATER CONTRACTOR WORKS PROPOSED CONDUIT POINT OF TAPPING LIVE CONNECTION DETAIL 1 SCALE 1:100 (A1) SCALE 1:200 (A3)

UNITY WATER REF No. 2015003581S2E WATER RETICULATION **RIVERBANK ESTATE COVER SHEET**

EVISION DATE ISSUE DETAILS **FOR APPROVAL** 31.08.18 ISSUE FOR APPROV ISSUE FOR COUNCIL R NOT FOR CONSTRUCTION ANIEL COLLINS RPFQ 18631

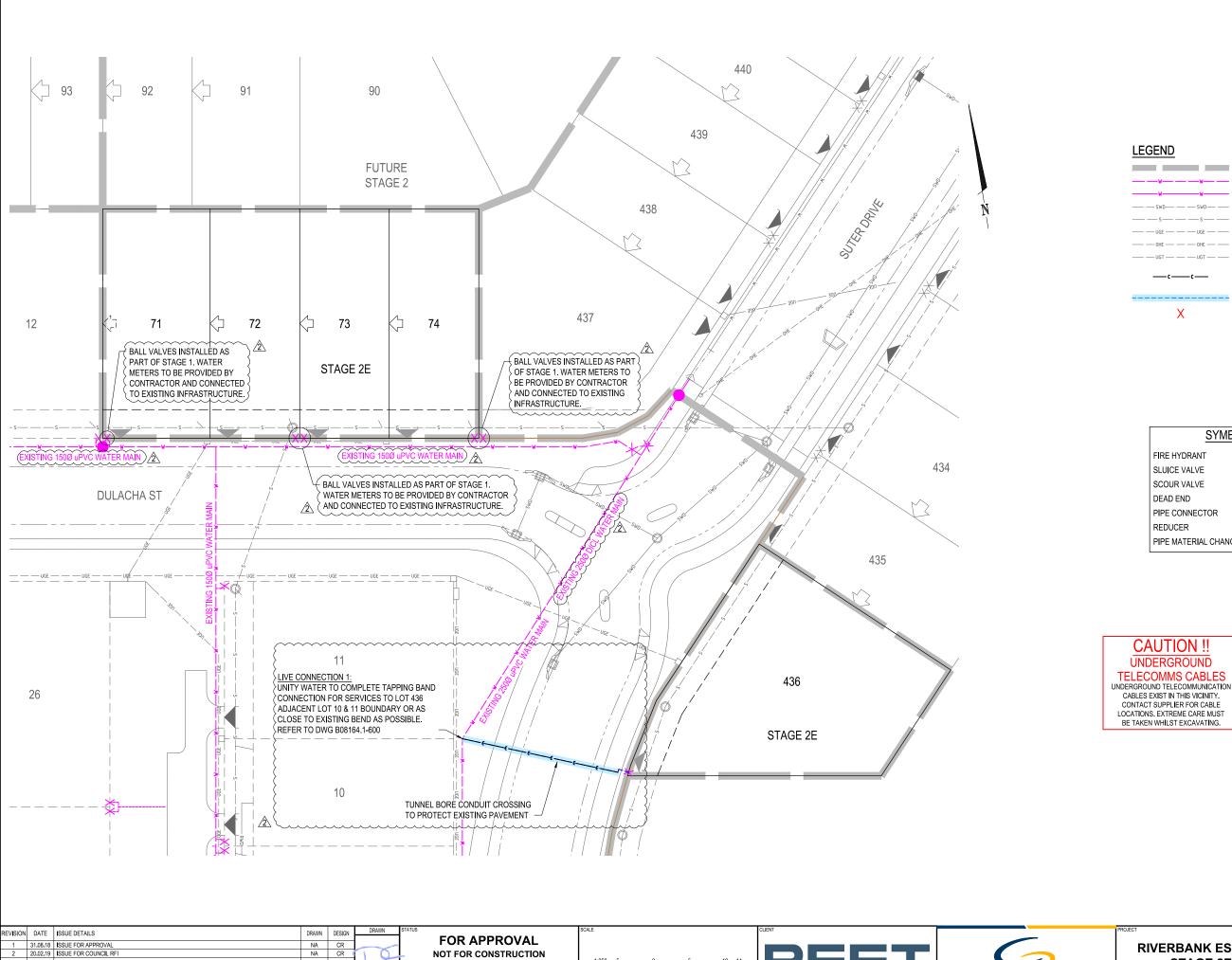




STAGE 2E

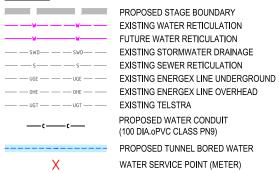
L DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO DNSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE. B08164.1

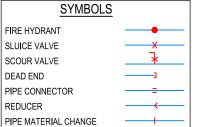
600



DANIEL COLLINS

RPEQ 18631





CAUTION !! UNDERGROUND

CABLES EXIST IN THIS VICINITY. CONTACT SUPPLIER FOR CABLE LOCATIONS. EXTREME CARE MUST BE TAKEN WHILST EXCAVATING.

CAUTION!! UNDERGROUND

ELECTRICAL CABLES
UNDERGROUND ELECTRICITY CABLES EXIST IN THIS VICINITY. CONTACT ENERGEX FOR CABLE LOCATIONS. EXTREME CARE MUST

BE TAKEN WHILST EXCAVATING

UNITY WATER REF No. 2015003581S2E

calibre calibregroup.com

RIVERBANK ESTATE STAGE 2E

WATER RETICULATION LAYOUT PLAN

ISCLAIMER LL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO ONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.

B08164.1

601

2

