

LIVE CONNECTION NO. 1
 REFER DETAIL BELOW
 1. CONTRACTOR TO CONSTRUCT WATER MAIN TO WITHIN 3m OF THE EXISTING LINE, CAP, PRESSURE TEST, CHLORINATE AND TEST PRIOR TO ON MAINTENANCE INSPECTIONS WITH REDLAND WATER.
 2. AFTER SUCCESSFUL ON MAINTENANCE INSPECTION AND PASSING TEST RESULTS, REDLAND WATER TO CONSTRUCT TEE, VALVE, GIBAULT CONNECTION, SCOUR AND CHARGE MAINS.

WATER LEGEND	
—	Ø 100 MAIN
—	Ø 150 MAIN
—	Ø 200 MAIN
—	Ø 225 MAIN
—	Ø 250 MAIN
—	Ø 300 MAIN
—	Ø 375 MAIN
—	Ø 450 MAIN
—	Ø SPECIAL MAIN
V	VALVE
H	HYDRANT
—	READYTAP OR SIMILAR FITTING
W	EXISTING MAIN
C	CONDUIT
E	ELECTRICAL CONDUIT
X	SERVICE CONNECTION LOCATION
①	11 1/4" BEND
②	22 1/2" BEND
③	45° BEND
④	90° BEND
⑤	READYTAP OR SIMILAR FITTING
⑥	TEE

- GENERAL NOTES**
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
 - UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
 - ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
 - COVER ON MAINS FROM PERMANENT LEVEL TO BE AS 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.
 - ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SPs 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.
 - ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS.
 - 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.

ENVIRONMENTAL CONDITIONS

- VEGETATION PROTECTION**
- TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
 - WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDOLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDOLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
 - TREE ROOTS SHALL BE TUNNELLED 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.
 - ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

- SOIL**
- TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
 - CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
 - ACID SULPHATE SOILS EXIST IN THE WORKS AREA. THE OUTPUTS FROM THE RISK ASSESSMENT BASED ON THE QUEENSLAND ACID SULPHATE SOILTECHNICAL MANUAL REQUIRES THAT ACID SULPHATE SOILS BE MANAGED AS FOLLOWS:

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

- REHABILITATION**
- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
 - PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

AS CONSTRUCTED DETAILS

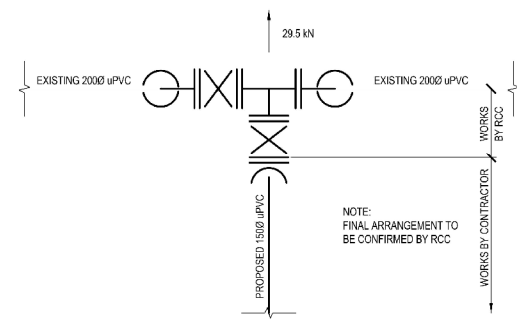
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SIGNED *G Jyz* DATE 09.09.15

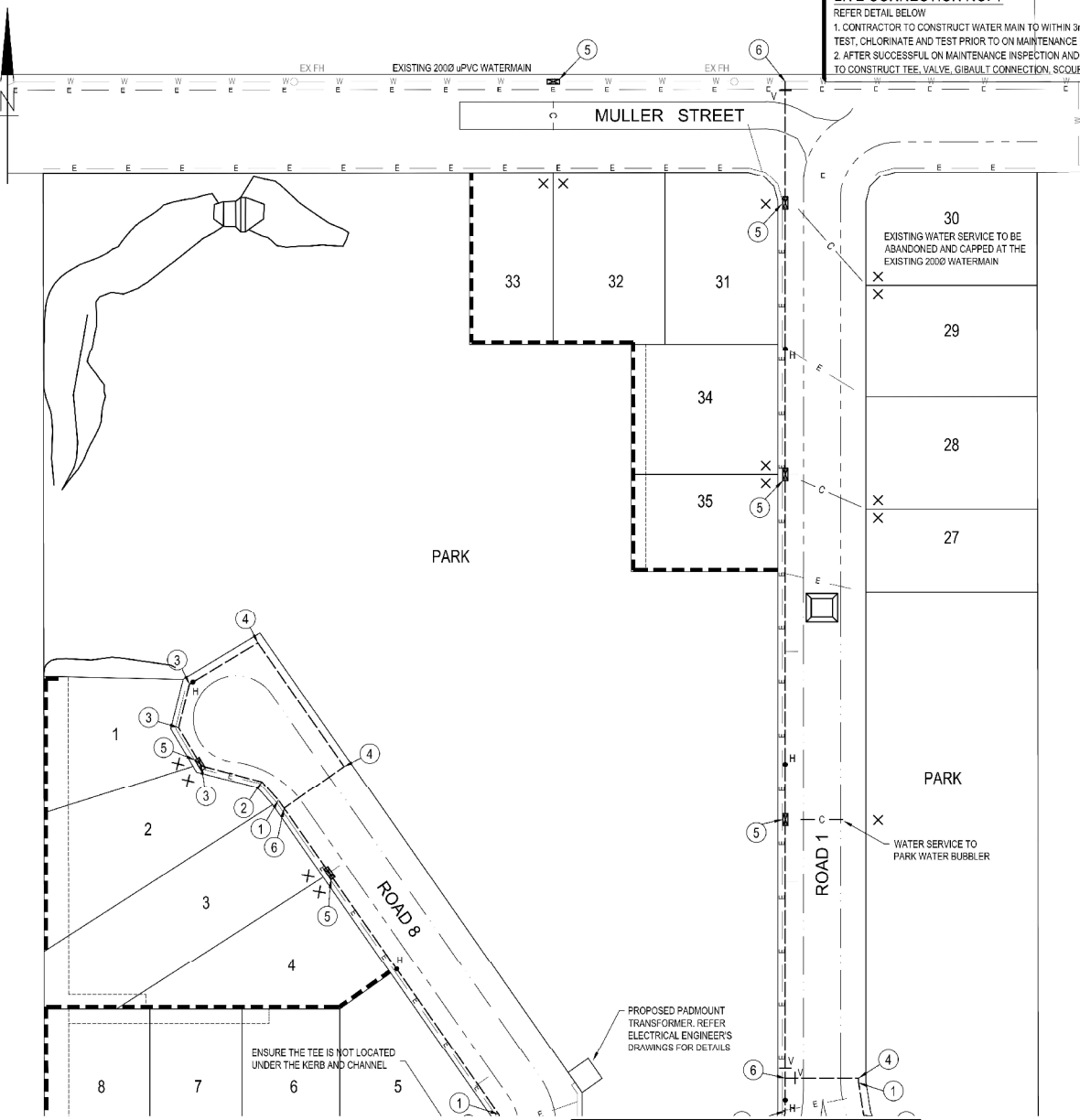
NAME OF SIGNATORY: GREGG TYQUIN
 RPEQ No. 1529
 MPN CONSULTING PTY LTD

NOTE:

- ALL 150mm DIA. WATERMAIN TEES AND VALVES SHALL HAVE FLANGED FITTINGS
- STORMWATER CLEARANCE TO WATERMAIN SHALL BE 500mm MIN.



LIVE CONNECTION No. 1 DETAIL
 SCALE 1:50
 200 x 150 F-FW TEE
 200 DF VALVES
 2-200 TAIL PIECES
 2-200 APPROVED CONNECTORS
 150 DF VALVE
 150 F & S CONNECTOR



0 5 10 20 25
 SCALE 1:500 (A1)

CONSULTANT: MPN CONSULTING PTY LTD
 CONTACT: GREGG TYQUIN (RPEQ 1528)
 TELEPHONE: (07) 3371 6677

SIGNED *G Jyz* DATE 22.10.14

AS CONSTRUCTED DETAILS

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AS CONSTRUCTED

I CERTIFY THAT THE 'AS CONSTRUCTED' DETAILS, DIMENSIONS, VERTICAL & HORIZONTAL LOCATIONS ARE A TRUE AND ACCURATE RECORD OF THE 'AS CONSTRUCTED' INFORMATION

SIGNED *Bruce Cameron* DATE 09.09.15

NAME OF SIGNATORY: BRUCE CAMERON
 COTTRELL CAMERON & STEEN SURVEYS PTY LTD

FOR CONTINUATION REFER DWG No. 5940-WR.1.02

ISSUE	DATE	AS CONSTRUCTED ISSUE	AMENDMENT	BY	APP
1	09.09.15	AS CONSTRUCTED ISSUE		ES	SS
					APP

46 - 48
 MULLER STREET
 REDLAND BAY

AS CONSTRUCTED

DESIGNED: AG 01/03/09
 DESIGNED: MRP
 DRAWN: MRP
 CHECKED: OCT2011
 DRCO: DP
 APPROV: GT
 DATE: OCT2011

FOR:
HARRIDAN PTY. LTD.

WATER RETICULATION PLAN
 SHEET 1 OF 2

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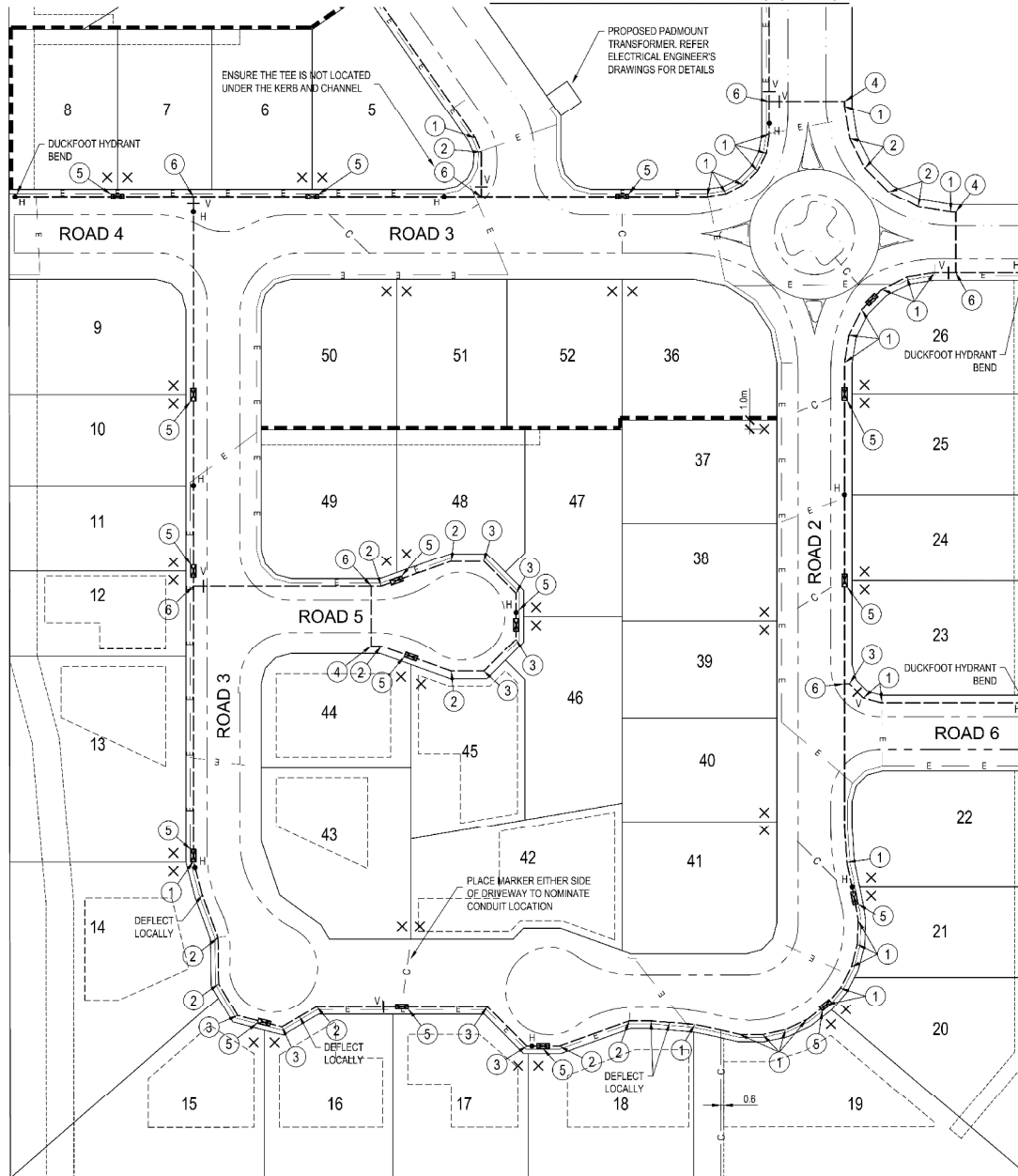
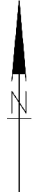
mpn consulting

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MPN-204
5940
 DRAWING NO.
WR.1.01
 REV
 1

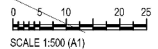
REDLAND CITY COUNCIL REFERENCE No. OPW001252

FOR CONTINUATION REFER DWG No. 5940-WR.1.01



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NOTE:
 1. ALL 150mm DIA. WATERMAIN TEES AND VALVES SHALL HAVE FLANGED FITTINGS
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 CONTACT: GREGG TYQUIN (RPEQ 1528)
 TELEPHONE: (07) 3371 6677

G Tyquin DATE 22.10.14

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 COTTRELL CAMERON & STEEN SURVEYS PTY LTD

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1	09/09/15	AS CONSTRUCTED ISSUE		SS
				APP

46 - 48
 MULLER STREET
 REDLAND BAY

DESIGNED: AC BIRCHW	FOR: HARRIDAN PTY. LTD.
DRAWN: MRP	
CHECKED: MRP	
DATE: OCT 2011	
APPROVED: GT	
DATE: OCT 2011	

WATER RETICULATION PLAN
 SHEET 2 OF 2

mpn consulting

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