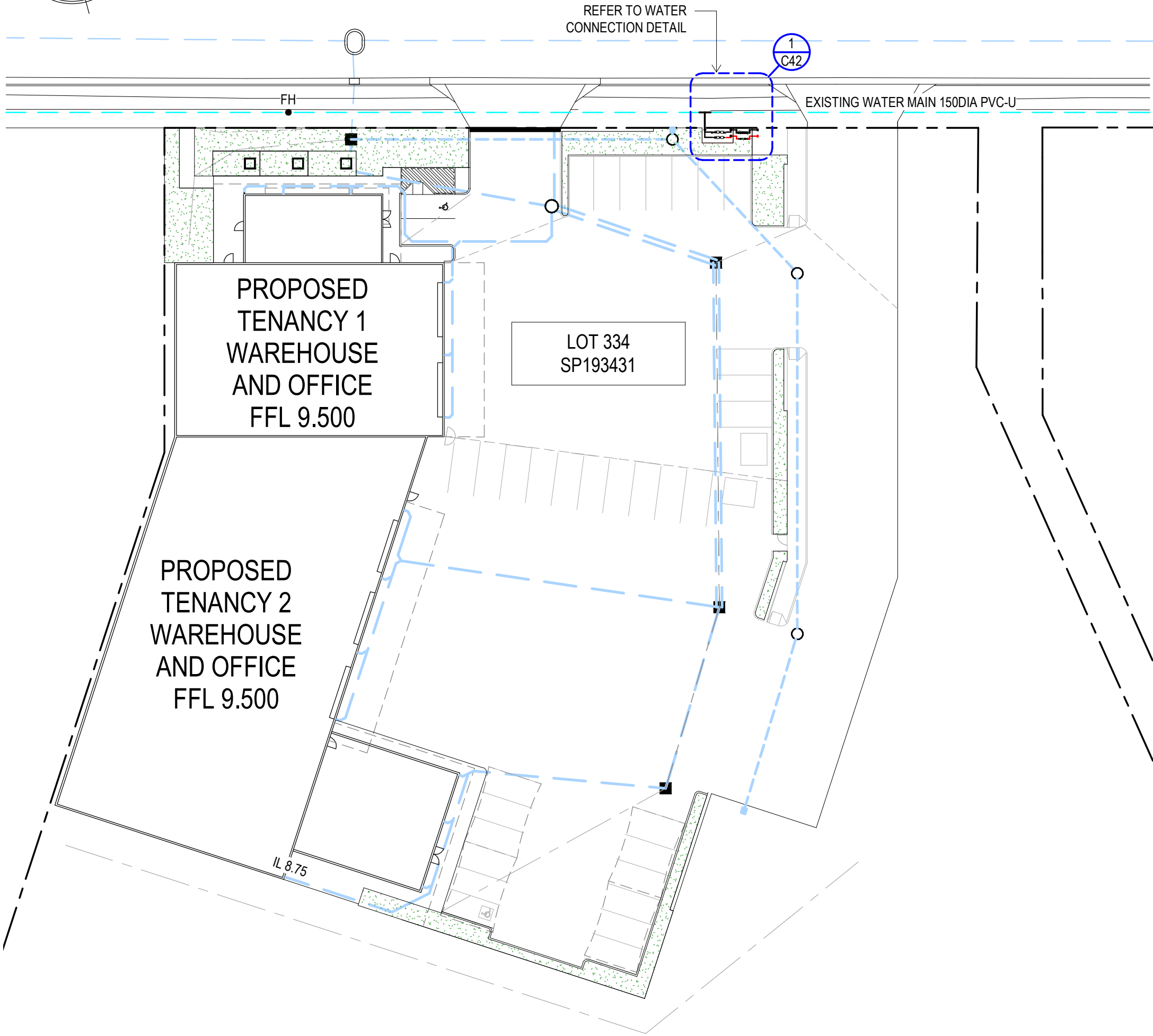
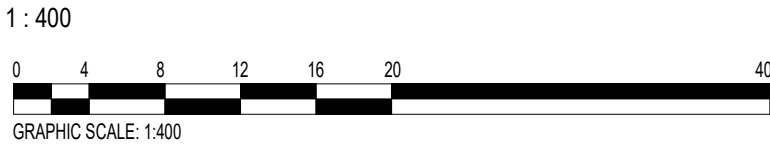


CHRISTENSEN ROAD SOUTH



1 WATER CONNECTION PLAN



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 TOP OF KERB OR SHOULD 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-SP'S ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THREE 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.

VEGETATION PROTECTION

- TREES LOCATED ALONG THE 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 REMAIN UNTIL COMPLETION.
- TREE ROOTS SHOULD BE TUNNELED 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

SOIL

- 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.
- ACID SULPHATE SOILS EXIST IN THE WORKS AREA. THE OUTPUTS FROM THE RISK ASSESSMENT BASED ON THE QUEENSLAND ACID SULPHATE SOIL TECHNICAL MANUAL REQUIRES THAT ACID SULPHATE SOILS BE MANAGED AS FOLLOWS (SEE REHABILITATION AND CREEK CROSSINGS).

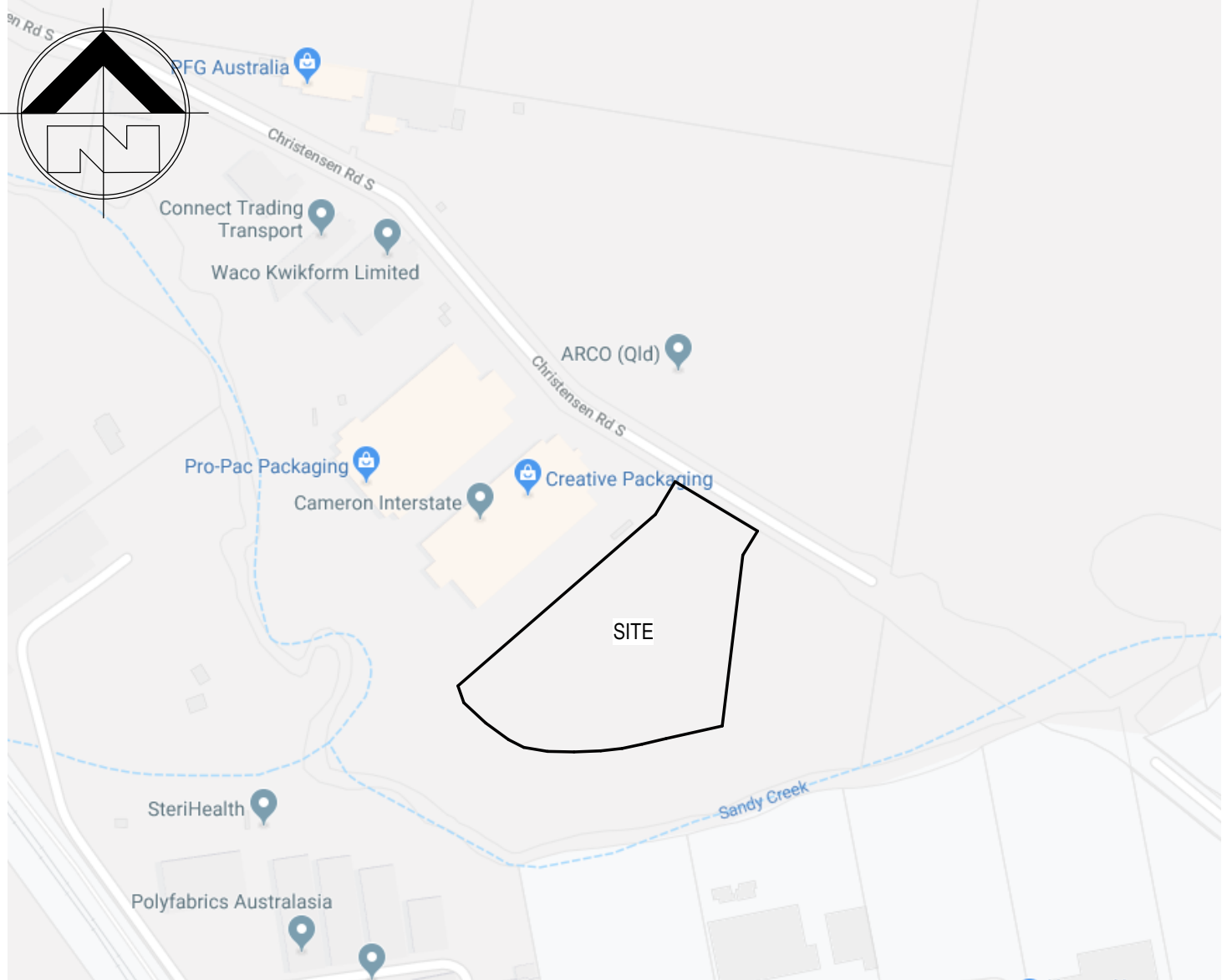
REHABILITATION

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

CREEK CROSSINGS

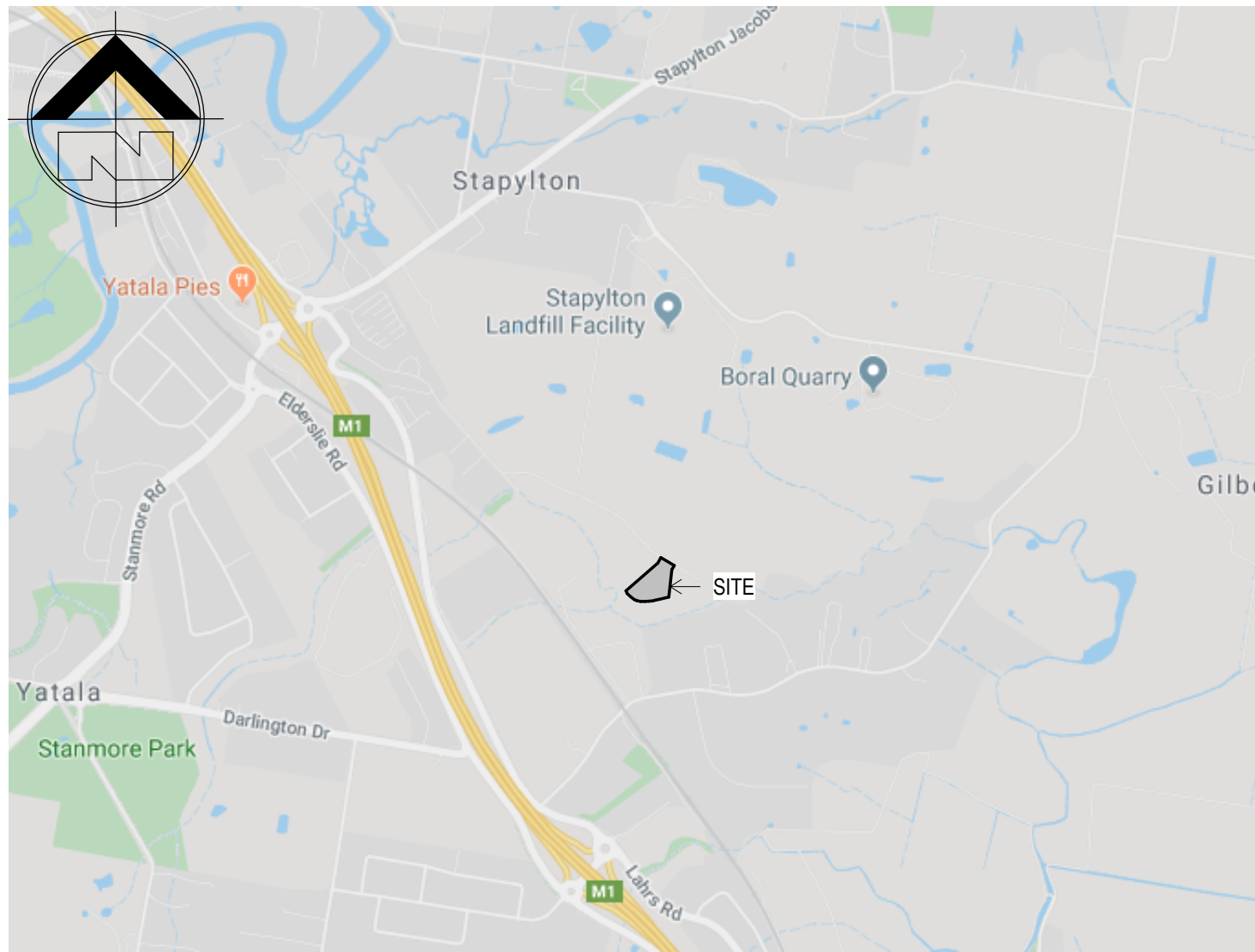
- SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK
- APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- NO SOIL SHALL BE STOCKPILED WITHIN 5m OF CREEK

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



2 LOCALITY PLAN

NTS



3 REGIONAL LOCALITY PLAN

NTS

PROJECT TEAM

Consulting Engineer:

1

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Engineers Certification:

Travis Smith MIE Aust. CPEng.
NPER Civil
RPEQ 16400

Signature: *T.S.*

Date: 18 / 10 / 2019

LEGEND

LINE	DESCRIPTION
---	PROPERTY BOUNDARY
- - -	EASEMENT
---	PROPOSED PROPERTY CONNECTION
---	EXISTING WATER MAIN AND SERVICE
---	DOMESTIC WATER
---	FIRE WATER
●	EXISTING FIRE HYDRANT
FH	

NOTES

- ALL FITTINGS AND CONSTRUCTION TO BE IN ACCORDANCE WITH GCCC STANDARD DRAWINGS AND SEQCODE
- IF ANY SECTION OF THE FOOTPATH IS REMOVED OR DAMAGED, IT MUST BE REINSTATED AS PER GCCC REQUIREMENTS.

A	FOR APPROVAL	18.10.2019	F.G.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project

LOT 334, 81-161 CHRISTENSEN ROAD SOUTH, STAPYLTON

for

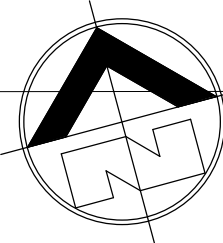
MULTI SPAN AUSTRALIA

Title

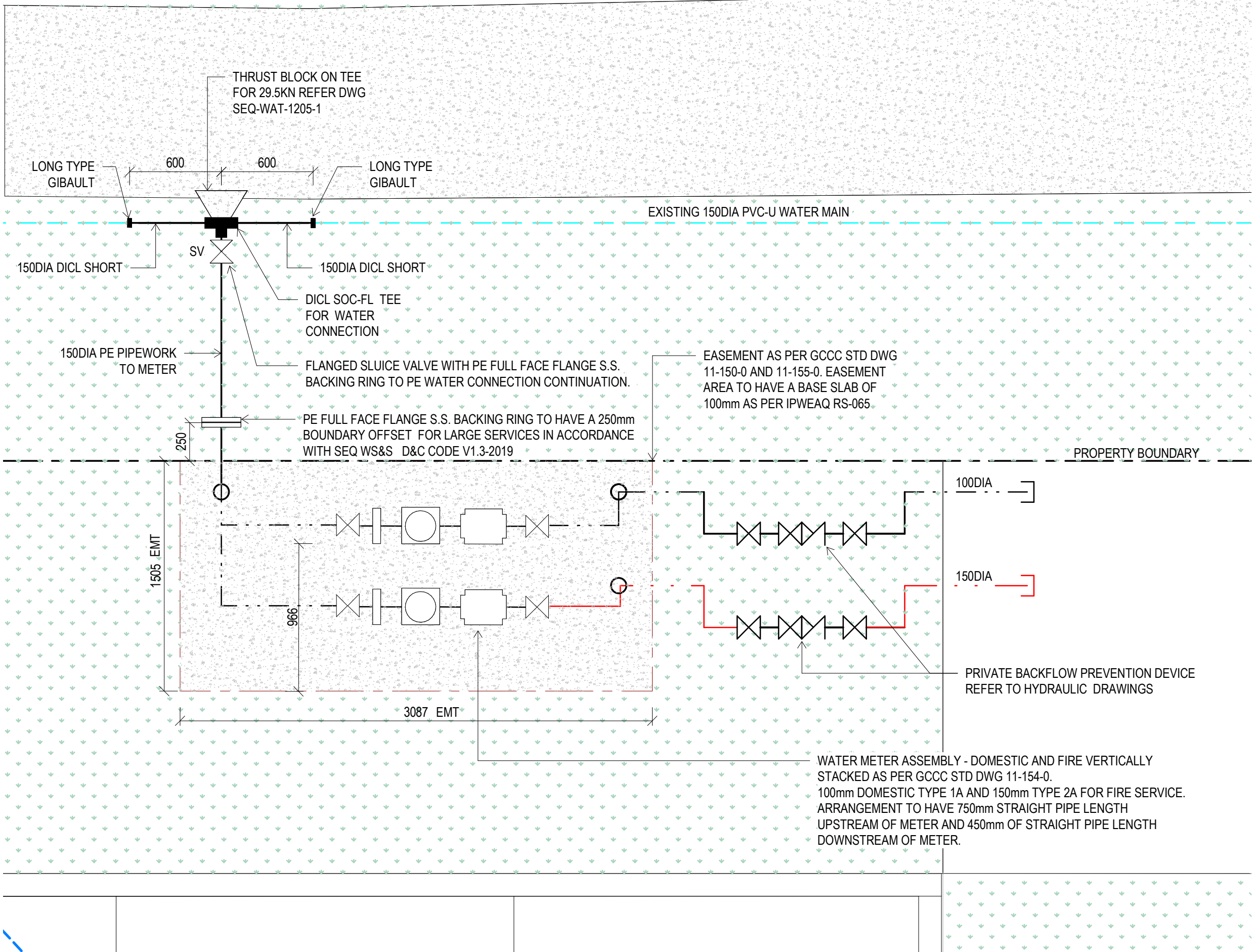
WATER CONNECTION PLAN

Drawn	Date	Chkd	Date
F.G.	15.10.2019	T.J.S.	
Design	Date	Apprd	Date
K.J.L.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
19-130	C41	A	

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CHRISTENSEN ROAD SOUTH

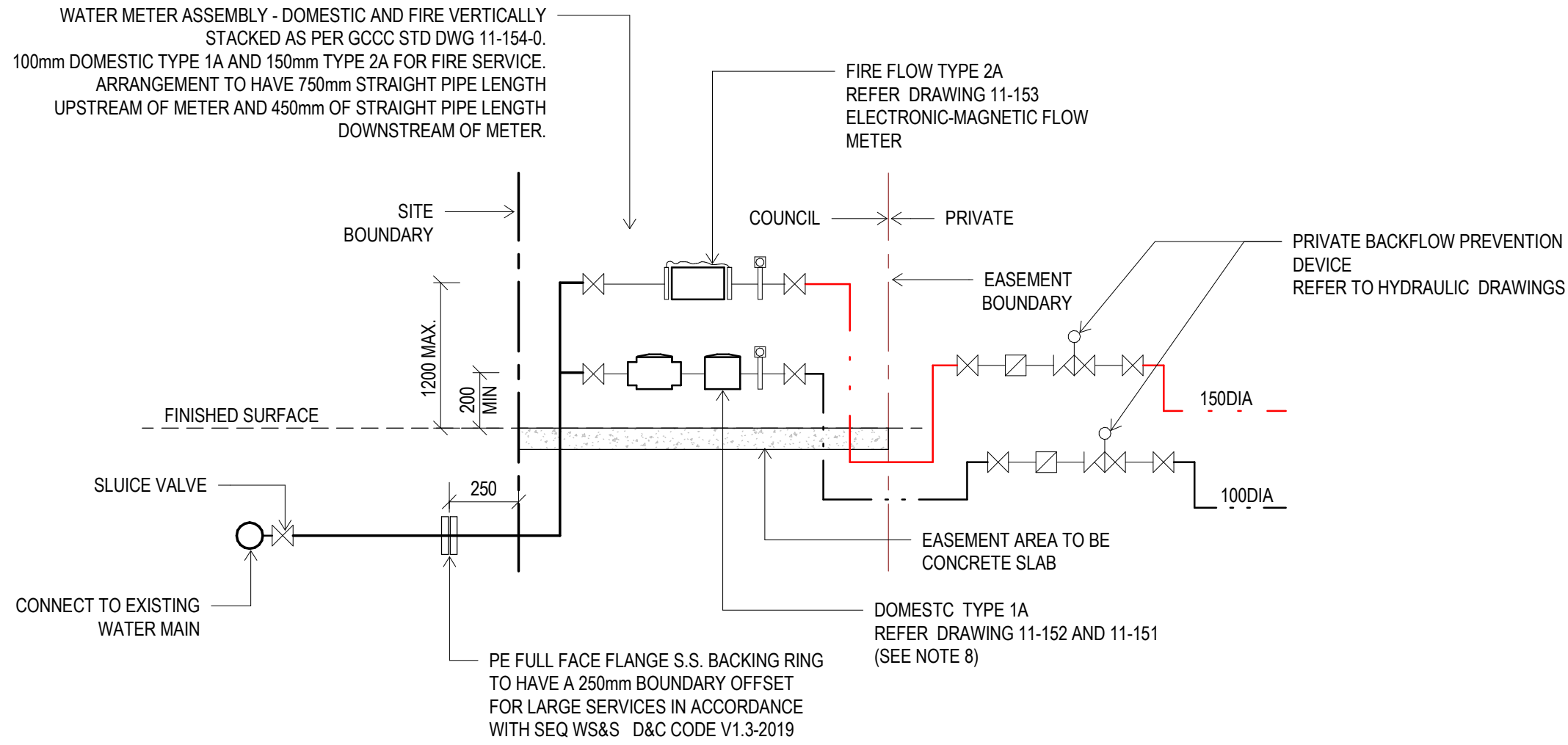


1

WATER CONNECTION DETAIL

C41

1:25
GRAPHIC SCALE 1:25



2

METER ASSEMBLY DETAIL

NTS

PROJECT TEAM

Consulting Engineer:



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Engineers Certification:

Travis Smith MIE Aust. CPEng.
NPER Civil
RPEQ 16400

Signature: *T.S.*

Date: 18 / 10 / 2019

LEGEND

LINE	DESCRIPTION
---	PROPERTY BOUNDARY
---	EASEMENT
---	PROPOSED PROPERTY CONNECTION
---	EXISTING WATER MAIN AND SERVICE
---	DOMESTIC WATER
---	FIRE WATER
●	EXISTING FIRE HYDRANT
FH	

A	FOR APPROVAL	18.10.2019	F.G.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

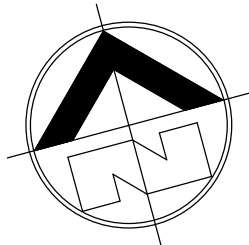
Project
**LOT 334, 81-161 CHRISTENSEN
ROAD SOUTH, STAPYLTON**

for
MULTI SPAN AUSTRALIA

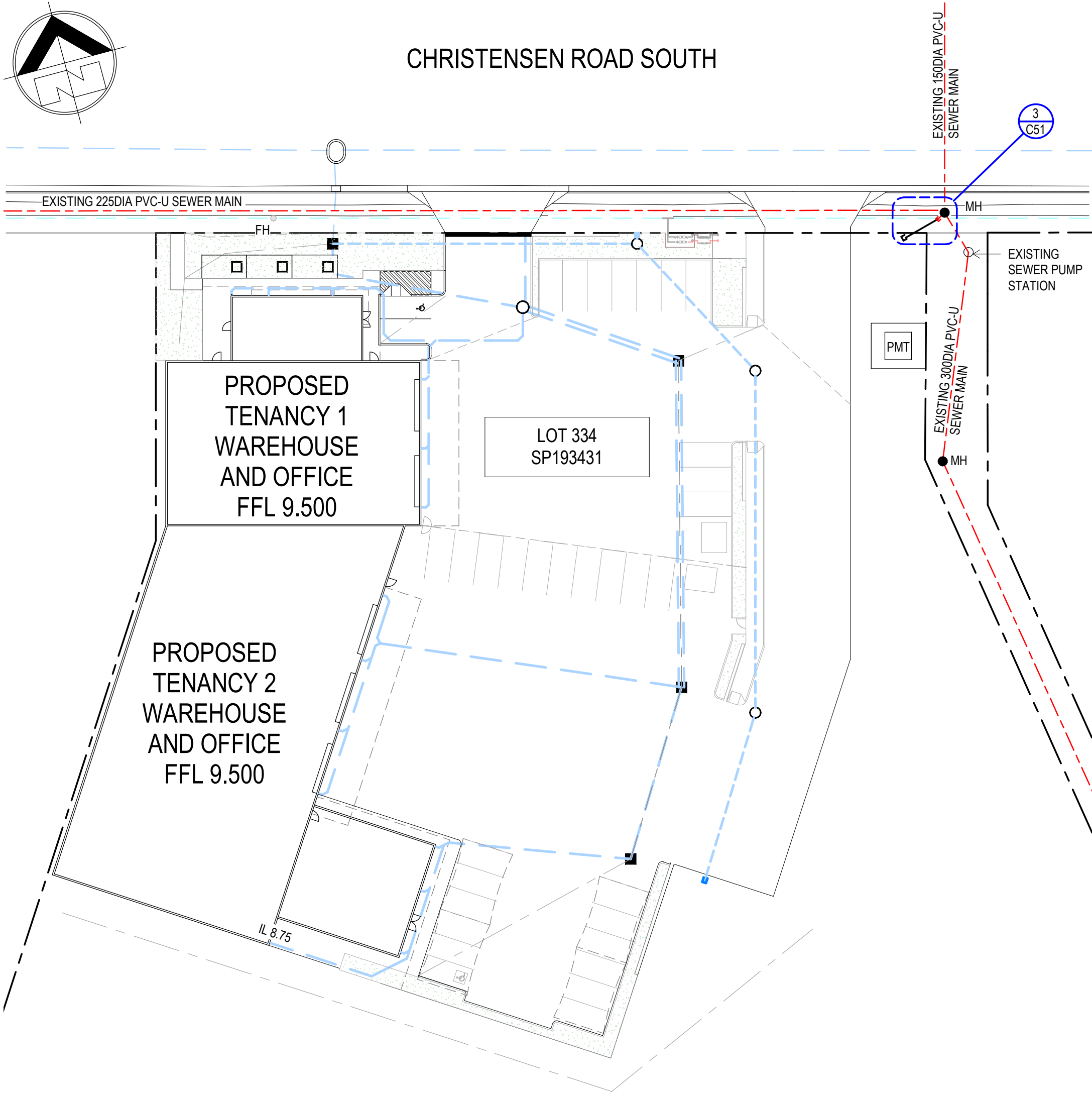
Title
WATER CONNECTION DETAILS

Drawn	Date	Chkd	Date
F.G.	15.10.2019	T.J.S.	
Design	Date	Apprd	Date
K.J.L.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
19-130	C42	A	

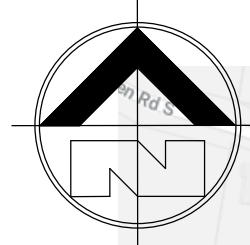
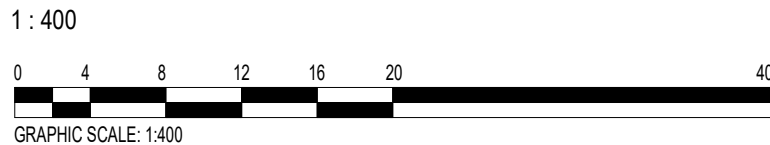
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CHRISTENSEN ROAD SOUTH

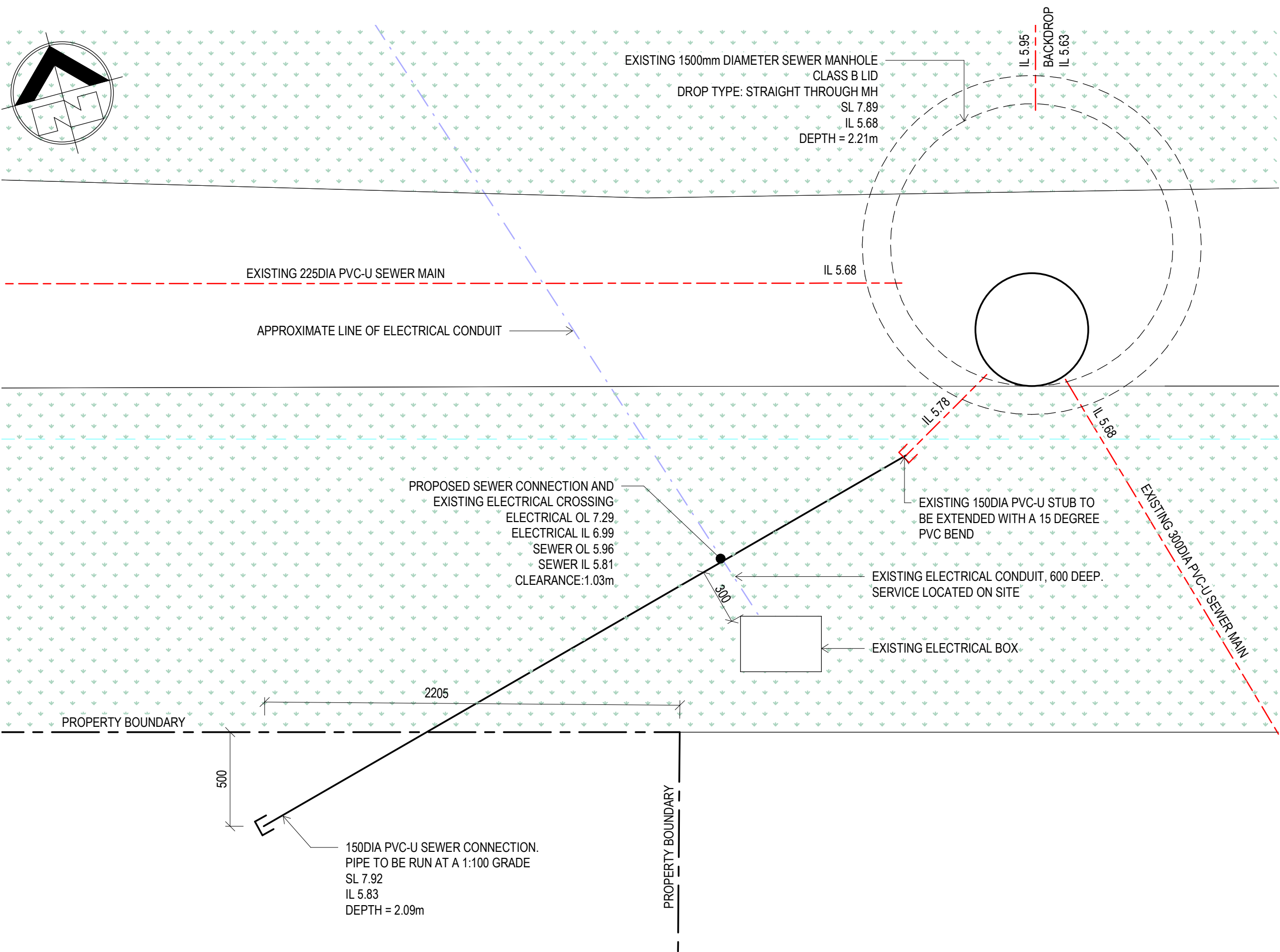
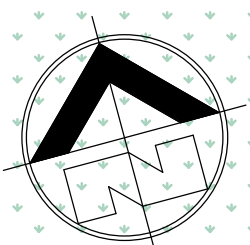


1 SEWER CONNECTION PLAN

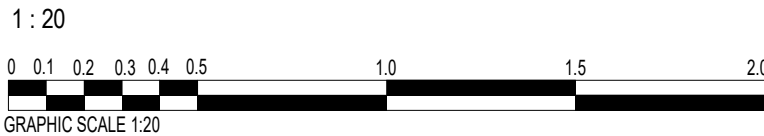


2 LOCALITY PLAN

NTS



3 SEWER CONNECTION DETAIL



GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND SEWERAGE CODE SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING SHALL BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. SEWERAGE WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO THE SEQ SERVICE PROVIDER SEWERAGE SYSTEM.
- ALL WORK ASSOCIATED WITH LIVE SEWERS OR MAINTENANCE HOLES SHALL BE CARRIED OUT BY THE SEQ SERVICE PROVIDER AT THE DEVELOPER'S COST.
- 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 PVC) PROPERTY CONNECTION. FOR ALLOTMENTS OTHER THAN SINGLE RESIDENTIAL, A DN160 PE (OR DN150 PVC) 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 AND A MAXIMUM OF 750mm.
- WHERE 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 MATERIALS 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 THE 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 SEWER CODE.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
- SEWERS SHALL BE DISUSED /ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ SEWER CODE.
- BENCH MARK AND LEVELS TO AHD.
- EXISTING ALLOTMENTS REQUIRING A PROPERTY CONNECTION FROM EXISTING SEWERS SHALL BE PROVIDED BY THE SEQ SERVICE PROVIDER AT THE DEVELOPERS COST.

VEGETATION PROTECTION

- TREES LOCATED ALONG THE 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 18m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES MUST BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- 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

SOIL

- 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.
- ACID SULPHATE SOILS EXIST IN THE THE WORKS AREA. THE OUTPUTS FROM THE RISK ASSESSMENT BASED ON THE QUEENSLAND ACID SULPHATE SOIL TECHNICAL MANUAL REQUIRES THAT ACID SULPHATE SOILS BE MANAGED AS FOLLOWS (SEE REHABILITATION AND CREEK CROSSINGS).

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 CREEK

REHABILITATION

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

SAFETY

- THE DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION

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

NAME OF ESTATE	LOT 334, 81-161 CHRISTENSEN ROAD SOUTH, STAPYLTON
SUBDIVIDER	MULTI SPAN AUSTRALIA
APPLICATION No.	
SP DELEGATE	
APPROVAL DATE	
DRAWING /PLAN No.	19-130-C51
No. OF ALLOTMENTS	
AREA IN Ha.	3.304ha TOTAL / 0.59ha DEVELOPED
LENGTH OF SEWER	150DIA 4.02m

PROJECT TEAM

Consulting Engineer:

1

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ACN 106 675 156

Engineers Certification:

Travis Smith MIE Aust. CPEng.
NPER Civil
RPEQ 16400

Signature: *T. Smith*

Date: 11/11/2019

LEGEND

LINE	DESCRIPTION
---	PROPERTY BOUNDARY
- - -	EASEMENT
---	PROPOSED SEWER CONNECTION
---	EXISTING SEWER MAIN AND SERVICE
MH	EXISTING SEWER MANHOLE
---	EXISTING WATER MAIN AND SERVICE
FH	EXISTING FIRE HYDRANT

NOTES

- ALL FITTINGS AND CONSTRUCTION TO BE IN ACCORDANCE WITH GCCC STANDARD DRAWINGS AND SEQCODE
- IF ANY SECTION OF THE FOOTPATH IS REMOVED OR DAMAGED, IT MUST BE REINSTATED AS PER GCCC REQUIREMENTS.

B	FOR APPROVAL	07.11.2019	K.J.L.
A	FOR APPROVAL	24.10.2019	F.G.
REV	DESCRIPTION	DATE	BY

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Project
LOT 334, 81-161 CHRISTENSEN ROAD SOUTH, STAPYLTON

for
MULTI SPAN AUSTRALIA

Title
SEWER CONECTION PLAN

Drawn	Date	Chkd	Date
F.G.	15.10.2019	T.J.S	
Design	Date	Apprd	Date
K.J.L.			
Scale	A1	Certif	Date
As indicated			
Project No.	Dwg. No.	Rev	
19-130	C51	B	

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