

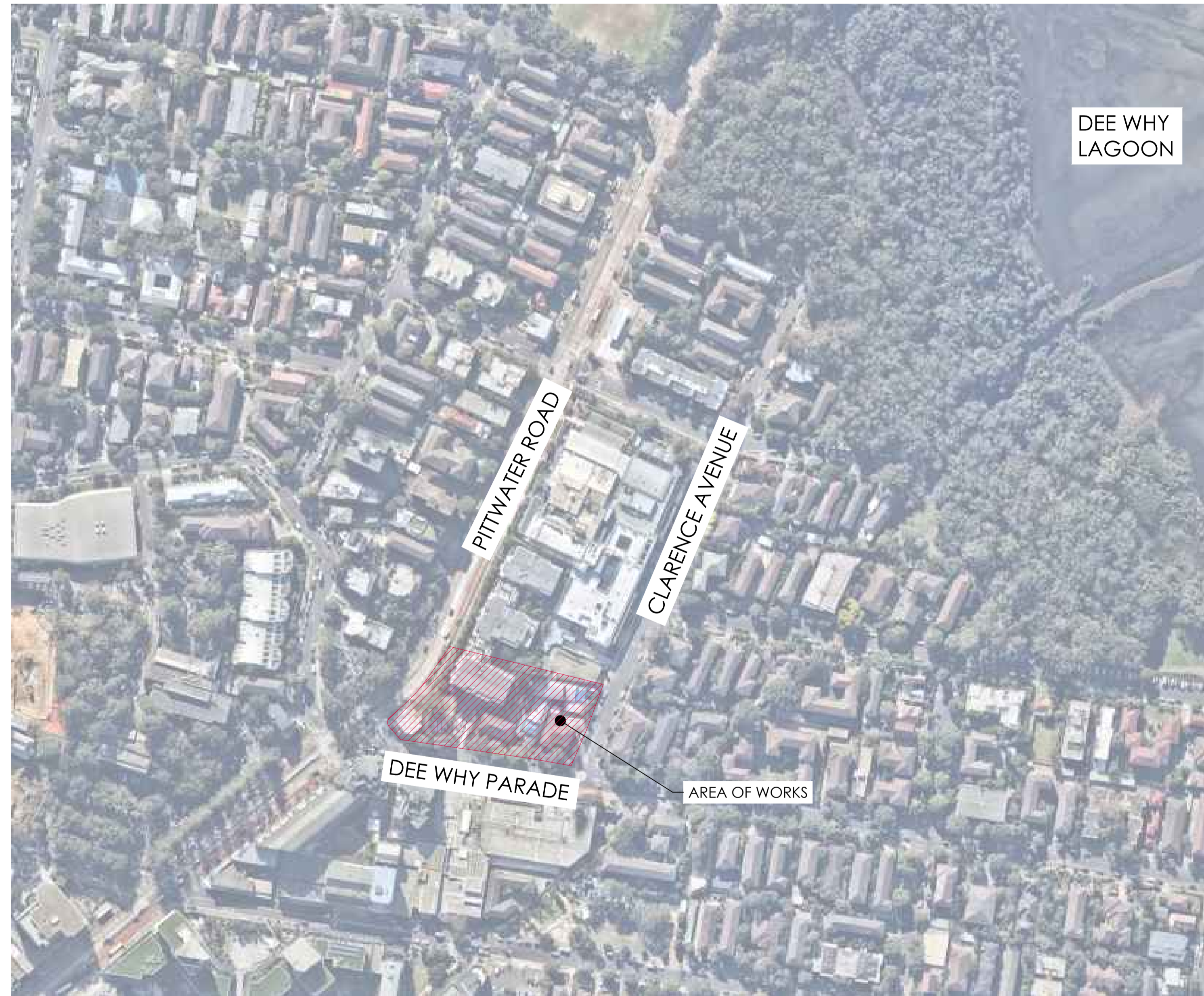
# PROPOSED CIVIL WORKS

## LOT 1 & LOT 2 DP 1136948, LOT A & LOT B DP 307103, SP11488. 2-12 DEE WHY PARADE & 2 CLARENCE AVENUE, DEE WHY NSW 2099

### CIVIL DRAWINGS

#### DRAWINGS LIST

- C1.00 COVER SHEET
- C1.01 GENERAL NOTES
  
- C2.00 OVERALL/KEY SITE PLAN
- C2.01 EXISTING SITE PLAN - SHEET 1
- C2.02 EXISTING SITE PLAN - SHEET 2
- C2.03 EXISTING SITE PLAN - SHEET 3
  
- C4.10 LOWER GROUND FLOOR LEVEL PLAN - SHEET 1
- C4.11 LOWER GROUND FLOOR LEVEL PLAN - SHEET 2
- C4.12 LOWER GROUND FLOOR LEVEL PLAN - SHEET 3
- C4.20 UPPER GROUND FLOOR LEVEL PLAN - SHEET 1
- C4.21 UPPER GROUND FLOOR LEVEL PLAN - SHEET 2
- C4.22 UPPER GROUND FLOOR LEVEL PLAN - SHEET 3
  
- C5.00 DETAILS
  
- C6.00 CATCHMENT PLAN - DETENTION
  
- C7.00 CATCHMENT PLAN - WATER QUALITY



**LOCATION PLAN**  
SCALE 1:2000 AT A1



**NOTE:**  
THIS IS A PLANNING DRAWING ONLY. FOR THE PURPOSE OF CONCEPTUAL DESIGN AND/OR PLANNING. FURTHER DETAILED ENGINEERING DESIGN INCLUDING SPECIFICATIONS, SIZING AND STORMWATER INVERTS TO BE PROVIDED PRIOR TO CONSTRUCTION CERTIFICATE AND FOR CONSTRUCTION ISSUE.

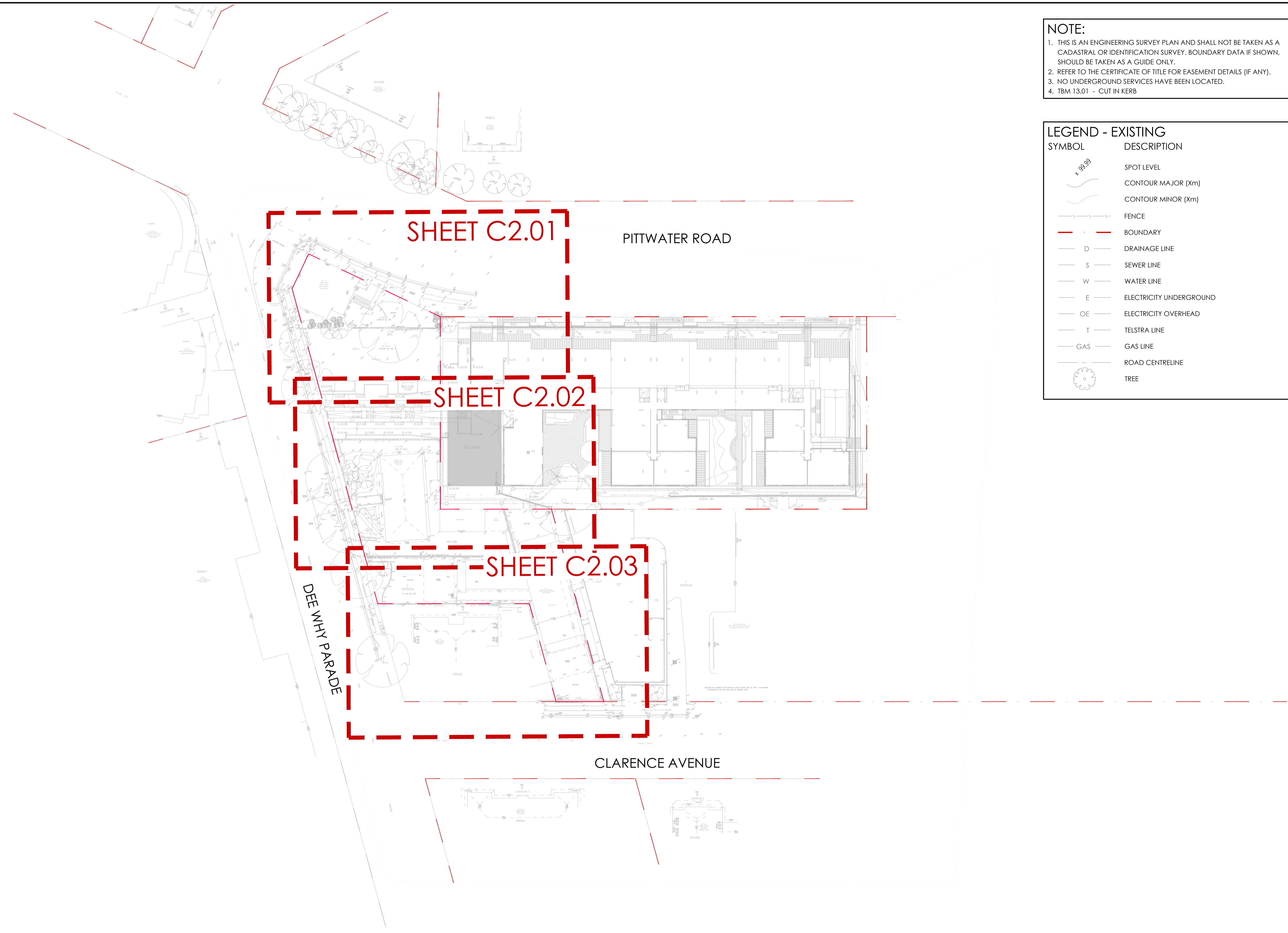
20m 0 50 100 150 200m  
SCALE 1:2000 AT A1 SHEET | 1:4000 AT A3 SHEET



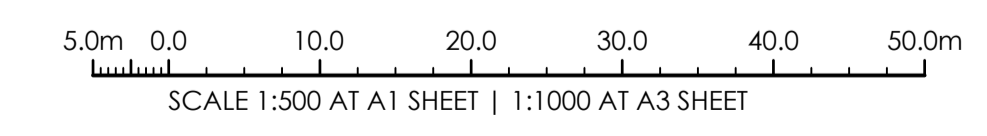
**NOTE:**  
 1. THIS IS AN ENGINEERING SURVEY PLAN AND SHALL NOT BE TAKEN AS A CADASTRAL OR IDENTIFICATION SURVEY. BOUNDARY DATA IF SHOWN, SHOULD BE TAKEN AS A GUIDE ONLY.  
 2. REFER TO THE CERTIFICATE OF TITLE FOR EASEMENT DETAILS (IF ANY).  
 3. NO UNDERGROUND SERVICES HAVE BEEN LOCATED.  
 4. TBM 13.01 - CUT IN KERB

**LEGEND - EXISTING**

SYMBOL	DESCRIPTION
	SPOT LEVEL
	CONTOUR MAJOR (Xm)
	CONTOUR MINOR (Xm)
	FENCE
	BOUNDARY
	DRAINAGE LINE
	SEWER LINE
	WATER LINE
	ELECTRICITY UNDERGROUND
	ELECTRICITY OVERHEAD
	TELSTRA LINE
	GAS LINE
	ROAD CENTRELINE
	TREE



**OVERALL/KEY SITE PLAN**  
 SCALE 1:500 AT A1



ISSUE FOR PLANNING PROPOSAL SUBMISSION  
 AMENDMENTS

DATE	ISSUE	BY
14.11.23	A	J.Q

**NOT FOR CONSTRUCTION**



ARCHITECT  
 MARCHESI PARTNERS ARCHITECTS  
 LEVEL 7, 107 MOUNT STREET  
 NORTH SYDNEY NSW 2060

CLIENT  
 DEE WHY RSL CLUB LTD

PROJECT  
**PROPOSED CIVIL WORKS**  
 2-14 DEE WHY PDE  
 DEE WHY NSW 2099

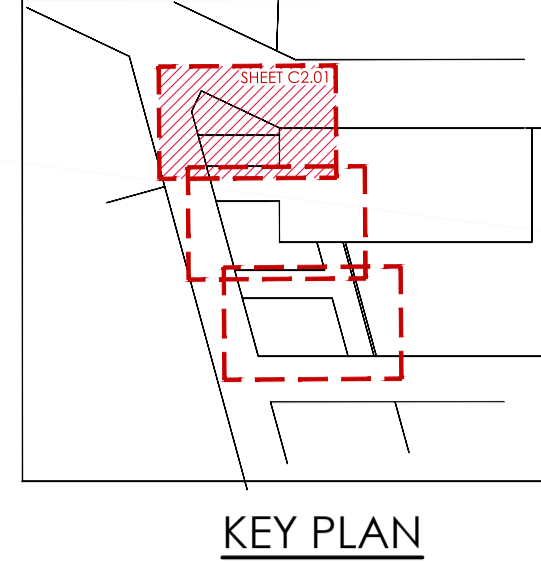
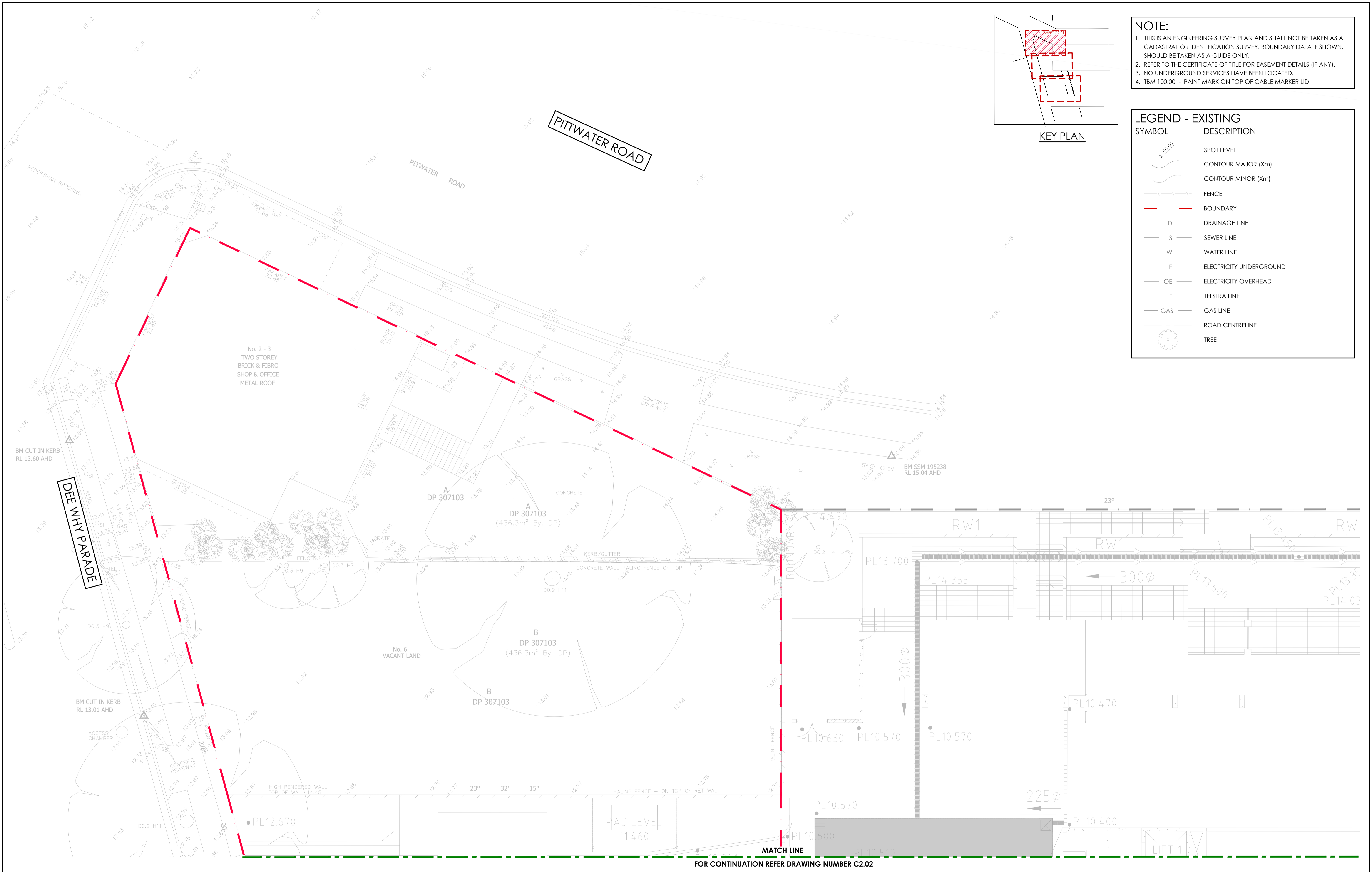
DESIGNED MD  
 DRAWN J.Q  
 DATE SEPT 23  
 SIZE A1  
 CAD REF TX17488.00 - C2.00



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 SUITE 12, LEVEL 14, 327 PITT STREET, SYDNEY NSW 2000  
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DRAWING TITLE  
**OVERALL/KEY SITE PLAN**

PROJECT No. **TX17488.00 - C2.00**  
 DRAWING No. **A**



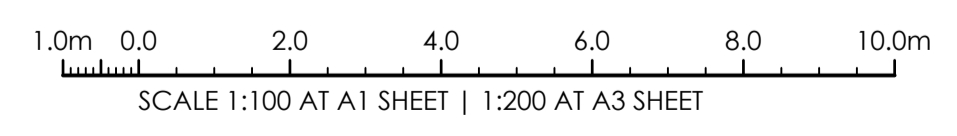
**NOTE:**

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2. REFER TO THE CERTIFICATE OF TITLE FOR EASEMENT DETAILS (IF ANY).
3. NO UNDERGROUND SERVICES HAVE BEEN LOCATED.
4. TBM 100.00 - PAINT MARK ON TOP OF CABLE MARKER LID

**LEGEND - EXISTING**

SYMBOL	DESCRIPTION
• 99.99	SPOT LEVEL
—	CONTOUR MAJOR (Xm)
—	CONTOUR MINOR (Xm)
—	FENCE
—	BOUNDARY
D	DRAINAGE LINE
S	SEWER LINE
W	WATER LINE
E	ELECTRICITY UNDERGROUND
OE	ELECTRICITY OVERHEAD
T	TELSTRA LINE
GAS	GAS LINE
—	ROAD CENTRELINE
⊗	TREE

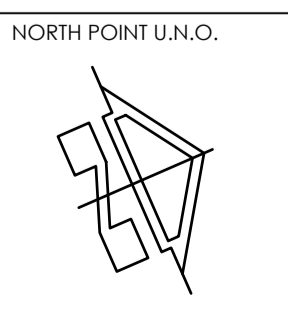
**EXISTING SITE PLAN - SHEET 1**  
SCALE 1:100 AT A1



ISSUE FOR PLANNING PROPOSAL SUBMISSION  
AMENDMENTS

14.11.23	A	J.Q
DATE	ISSUE	BY

**NOT FOR CONSTRUCTION**



**ARCHITECT**  
MARCHESE PARTNERS ARCHITECTS  
LEVEL 7, 107 MOUNT STREET  
NORTH SYDNEY NSW 2060

**CLIENT**  
DEE WHY RSL CLUB LTD

**PROJECT**  
PROPOSED CIVIL WORKS  
2-14 DEE WHY PDE  
DEE WHY NSW 2099

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DRAWN J.Q  
DATE SEPT 23  
SIZE A1  
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**DRAWING TITLE**  
EXISTING SITE PLAN - SHEET 1

PROJECT No. TX17488.00 - C2.01  
DRAWING No. A  
ISSUE

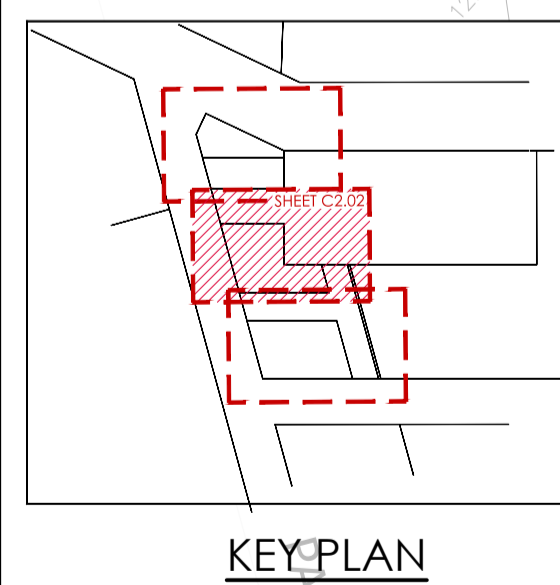
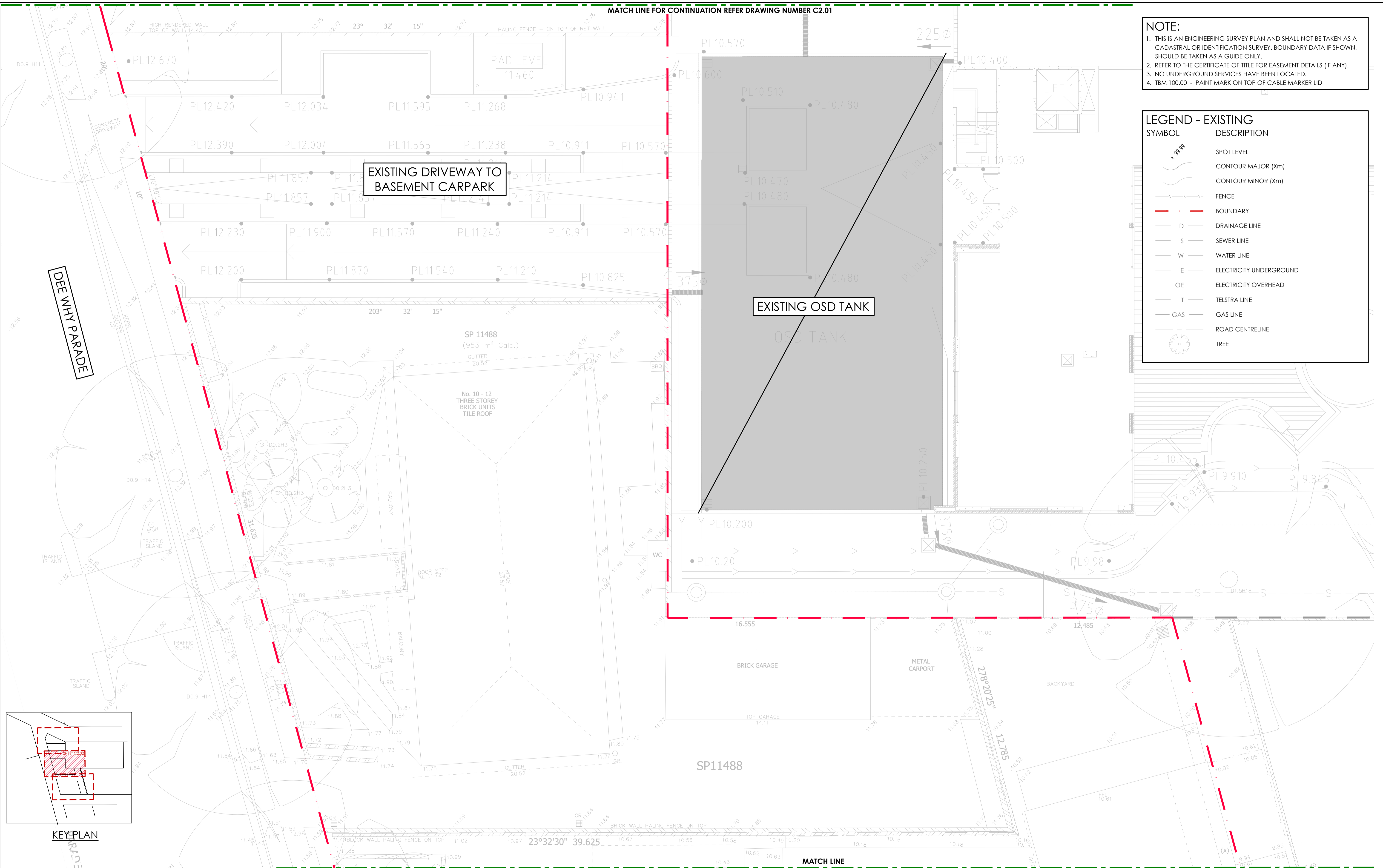
MATCH LINE FOR CONTINUATION REFER DRAWING NUMBER C2.01

**NOTE:**

1. THIS IS AN ENGINEERING SURVEY PLAN AND SHALL NOT BE TAKEN AS A CADASTRAL OR IDENTIFICATION SURVEY. BOUNDARY DATA IF SHOWN, SHOULD BE TAKEN AS A GUIDE ONLY.
2. REFER TO THE CERTIFICATE OF TITLE FOR EASEMENT DETAILS (IF ANY).
3. NO UNDERGROUND SERVICES HAVE BEEN LOCATED.
4. TBM 100.00 - PAINT MARK ON TOP OF CABLE MARKER LID

**LEGEND - EXISTING**

SYMBOL	DESCRIPTION
• 99.98	SPOT LEVEL
— (wavy)	CONTOUR MAJOR (Xm)
— (dotted)	CONTOUR MINOR (Xm)
— (dashed)	FENCE
— (thick red)	BOUNDARY
— (D)	DRAINAGE LINE
— (S)	SEWER LINE
— (W)	WATER LINE
— (E)	ELECTRICITY UNDERGROUND
— (OE)	ELECTRICITY OVERHEAD
— (T)	TELSTRA LINE
— (GAS)	GAS LINE
— (circle)	ROAD CENTRELINE
— (tree)	TREE



MATCH LINE

FOR CONTINUATION REFER DRAWING NUMBER C2.03

**EXISTING SITE PLAN - SHEET 2**

SCALE 1:100 AT A1

1.0m 0.0 2.0 4.0 6.0 8.0 10.0m

SCALE 1:100 AT A1 SHEET | 1:200 AT A3 SHEET

ISSUE FOR PLANNING PROPOSAL SUBMISSION  
AMENDMENTS

14.11.23  
DATE

A J.Q  
ISSUE BY

**NOT FOR CONSTRUCTION**



NORTH POINT U.N.O.

ARCHITECT  
**MARCHESE PARTNERS ARCHITECTS**

CLIENT  
**DEE WHY RSL CLUB LTD**

LEVEL 7, 107 MOUNT STREET  
NORTH SYDNEY NSW 2060

PROJECT  
**PROPOSED CIVIL WORKS**  
2-14 DEE WHY PDE  
DEE WHY NSW 2099

DESIGNED MD  
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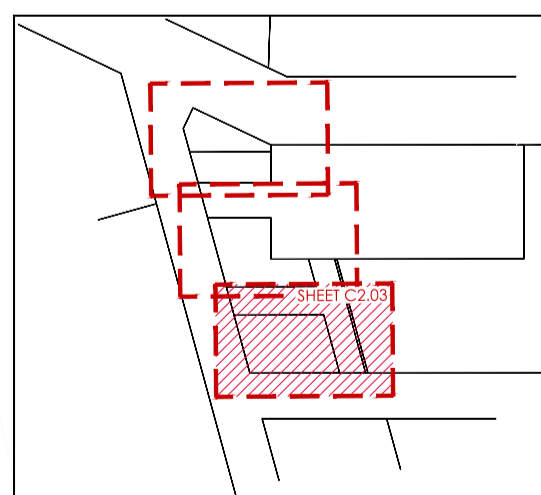
DRAWING TITLE  
**EXISTING SITE PLAN - SHEET 2**

PROJECT No. TX17488.00 - C2.02  
DRAWING No. A

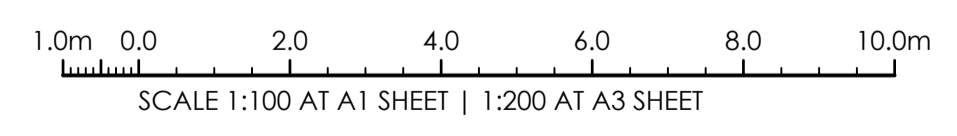
**NOTE:**  
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 2. REFER TO THE CERTIFICATE OF TITLE FOR EASEMENT DETAILS (IF ANY).  
 3. NO UNDERGROUND SERVICES HAVE BEEN LOCATED.  
 4. TBM 100.00 - PAINT MARK ON TOP OF CABLE MARKER LID

**LEGEND - EXISTING**

SYMBOL	DESCRIPTION
	SPOT LEVEL
	CONTOUR MAJOR (Xm)
	CONTOUR MINOR (Xm)
	FENCE
	BOUNDARY
	DRAINAGE LINE
	SEWER LINE
	WATER LINE
	ELECTRICITY UNDERGROUND
	ELECTRICITY OVERHEAD
	TELSTRA LINE
	GAS LINE
	ROAD CENTRELINE
	TREE



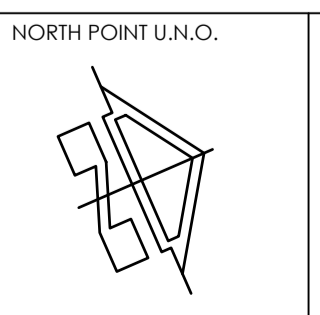
**EXISTING SITE PLAN - SHEET 3**  
 SCALE 1:100 AT A1



ISSUE FOR PLANNING PROPOSAL SUBMISSION  
 AMENDMENTS

14.11.23	A	J.Q
DATE	ISSUE	BY

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ARCHITECT  
**MARCHESE PARTNERS ARCHITECTS**

CLIENT  
**DEE WHY RSL CLUB LTD**

LEVEL 7, 107 MOUNT STREET  
 NORTH SYDNEY NSW 2060

PROJECT  
**PROPOSED CIVIL WORKS**  
 2-14 DEE WHY PDE  
 DEE WHY NSW 2099

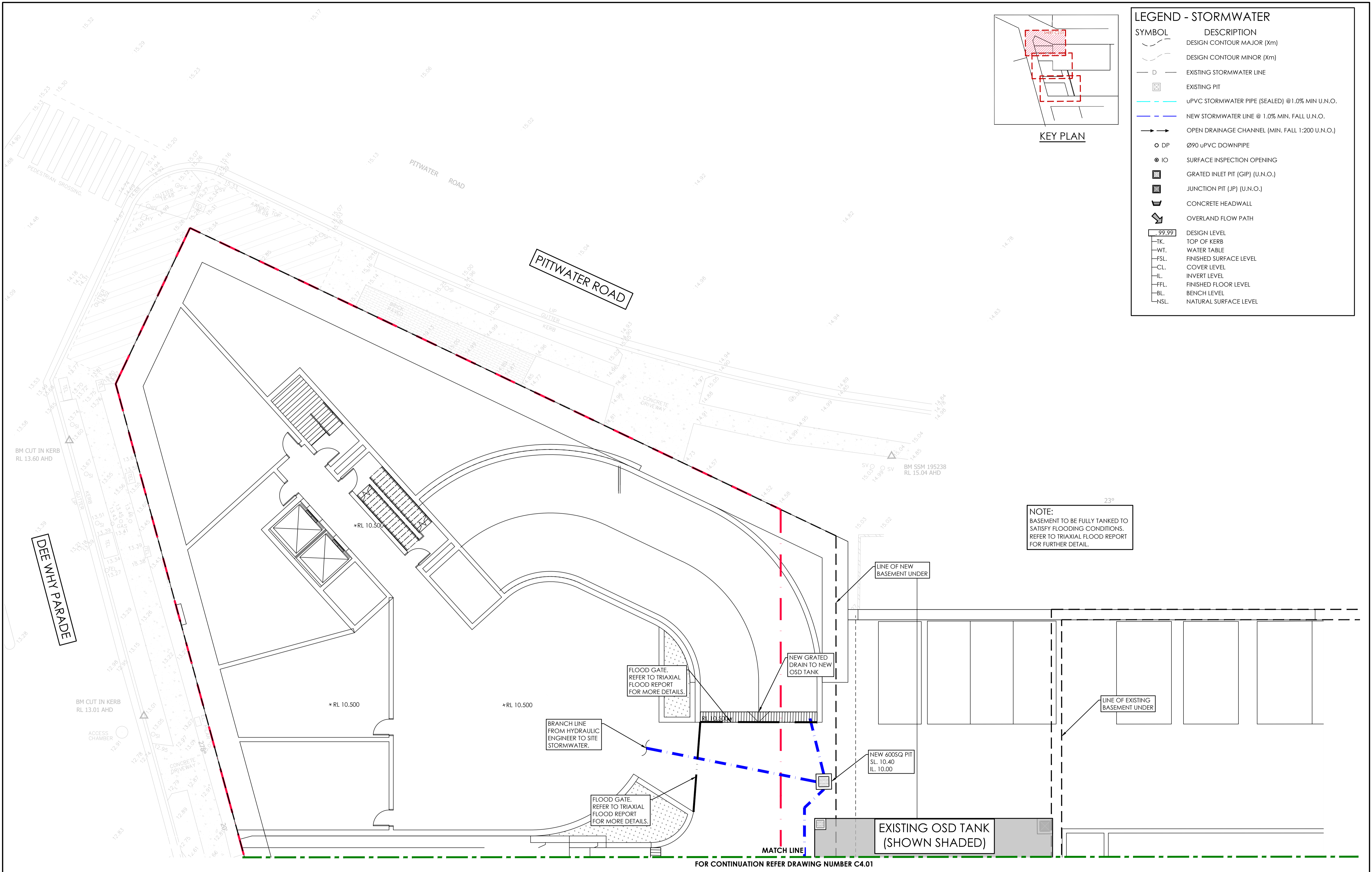
DESIGNED MD  
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 DATE SEPT 23  
 SIZE A1  
 CAD REF TX17488.00 - C2.03



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DRAWING TITLE  
**EXISTING SITE PLAN - SHEET 3**

PROJECT No. TX17488.00 - C2.03  
 DRAWING No. A



**LEGEND - STORMWATER**

SYMBOL	DESCRIPTION
--- (dashed line)	DESIGN CONTOUR MAJOR (Xm)
--- (dotted line)	DESIGN CONTOUR MINOR (Xm)
- - - (long dashed line)	EXISTING STORMWATER LINE
☒ (square with X)	EXISTING PIT
— (solid blue line)	uPVC STORMWATER PIPE (SEALED) @1.0% MIN U.N.O.
— (dashed blue line)	NEW STORMWATER LINE @ 1.0% MIN. FALL U.N.O.
→ (arrow)	OPEN DRAINAGE CHANNEL (MIN. FALL 1:200 U.N.O.)
○ DP	Ø90 uPVC DOWNPIPE
● IO	SURFACE INSPECTION OPENING
■ (square with G)	GRATED INLET PIT (GIP) (U.N.O.)
■ (square with J)	JUNCTION PIT (JP) (U.N.O.)
▭ (trapezoid)	CONCRETE HEADWALL
↘ (arrow)	OVERLAND FLOW PATH
99.99	DESIGN LEVEL
-TK-	TOP OF KERB
-WT-	WATER TABLE
-FSL-	FINISHED SURFACE LEVEL
-CL-	COVER LEVEL
-IL-	INVERT LEVEL
-FFL-	FINISHED FLOOR LEVEL
-BL-	BENCH LEVEL
-NSL-	NATURAL SURFACE LEVEL

**NOTE:**  
BASEMENT TO BE FULLY TANKED TO SATISFY FLOODING CONDITIONS. REFER TO TRIAXIAL FLOOD REPORT FOR FURTHER DETAIL.

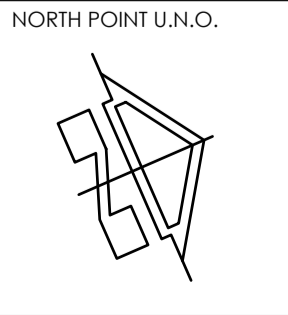
**LOWER GROUND FLOOR LEVEL PLAN - SHEET 1**  
SCALE 1:100 AT A1

1.0m 0.0 2.0 4.0 6.0 8.0 10.0m  
SCALE 1:100 AT A1 SHEET | 1:200 AT A3 SHEET

ISSUE FOR PLANNING PROPOSAL SUBMISSION  
AMENDMENTS

14.11.23	A	J.Q
DATE	ISSUE	BY

**NOT FOR CONSTRUCTION**



**ARCHITECT**  
MARCHESE PARTNERS ARCHITECTS  
LEVEL 7, 107 MOUNT STREET  
NORTH SYDNEY NSW 2060

**CLIENT**  
DEE WHY RSL CLUB LTD

**PROJECT**  
PROPOSED CIVIL WORKS  
2-14 DEE WHY PDE  
DEE WHY NSW 2099

DESIGNED MD  
DRAWN J.Q  
DATE SEPT 23  
SIZE A1  
CAD REF TX17488.00 - C4.10

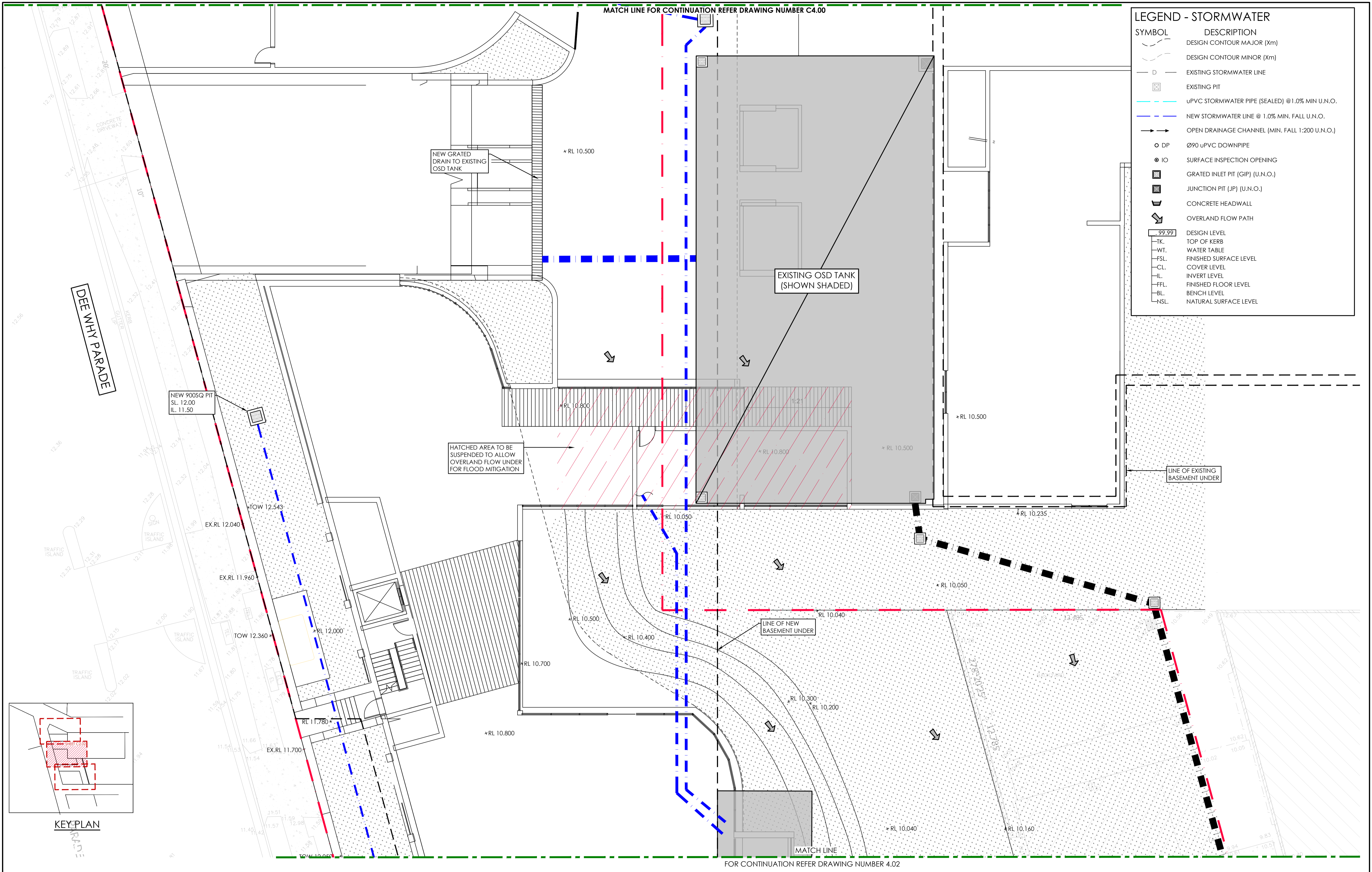


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**DRAWING TITLE**  
LOWER GROUND FLOOR LEVEL  
PLAN - SHEET 1

PROJECT No. TX17488.00 - C4.10  
DRAWING No. A  
ISSUE

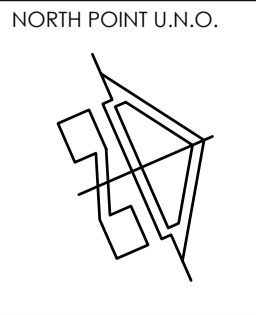


LEGEND - STORMWATER	
SYMBOL	DESCRIPTION
	DESIGN CONTOUR MAJOR (Xm)
	DESIGN CONTOUR MINOR (Xm)
	EXISTING STORMWATER LINE
	EXISTING PIT
	uPVC STORMWATER PIPE (SEALED) @1.0% MIN U.N.O.
	NEW STORMWATER LINE @ 1.0% MIN. FALL U.N.O.
	OPEN DRAINAGE CHANNEL (MIN. FALL 1:200 U.N.O.)
	Ø90 uPVC DOWNPIPE
	SURFACE INSPECTION OPENING
	GRADED INLET PIT (GIP) (U.N.O.)
	JUNCTION PIT (JP) (U.N.O.)
	CONCRETE HEADWALL
	OVERLAND FLOW PATH
	DESIGN LEVEL
	TOP OF KERB
	WATER TABLE
	FINISHED SURFACE LEVEL
	COVER LEVEL
	INVERT LEVEL
	FINISHED FLOOR LEVEL
	BENCH LEVEL
	NATURAL SURFACE LEVEL

LOWER GROUND FLOOR LEVEL PLAN - SHEET 2  
SCALE 1:### AT A1

1.0m 0.0 2.0 4.0 6.0 8.0 10.0m  
SCALE 1:100 AT A1 SHEET | 1:200 AT A3 SHEET

ISSUE FOR PLANNING PROPOSAL SUBMISSION  
AMENDMENTS  
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ARCHITECT  
MARCHESE PARTNERS ARCHITECTS  
LEVEL 7, 107 MOUNT STREET  
NORTH SYDNEY NSW 2060

CLIENT  
DEE WHY RSL CLUB LTD

PROJECT  
PROPOSED CIVIL WORKS  
2-14 DEE WHY PDE  
DEE WHY NSW 2099



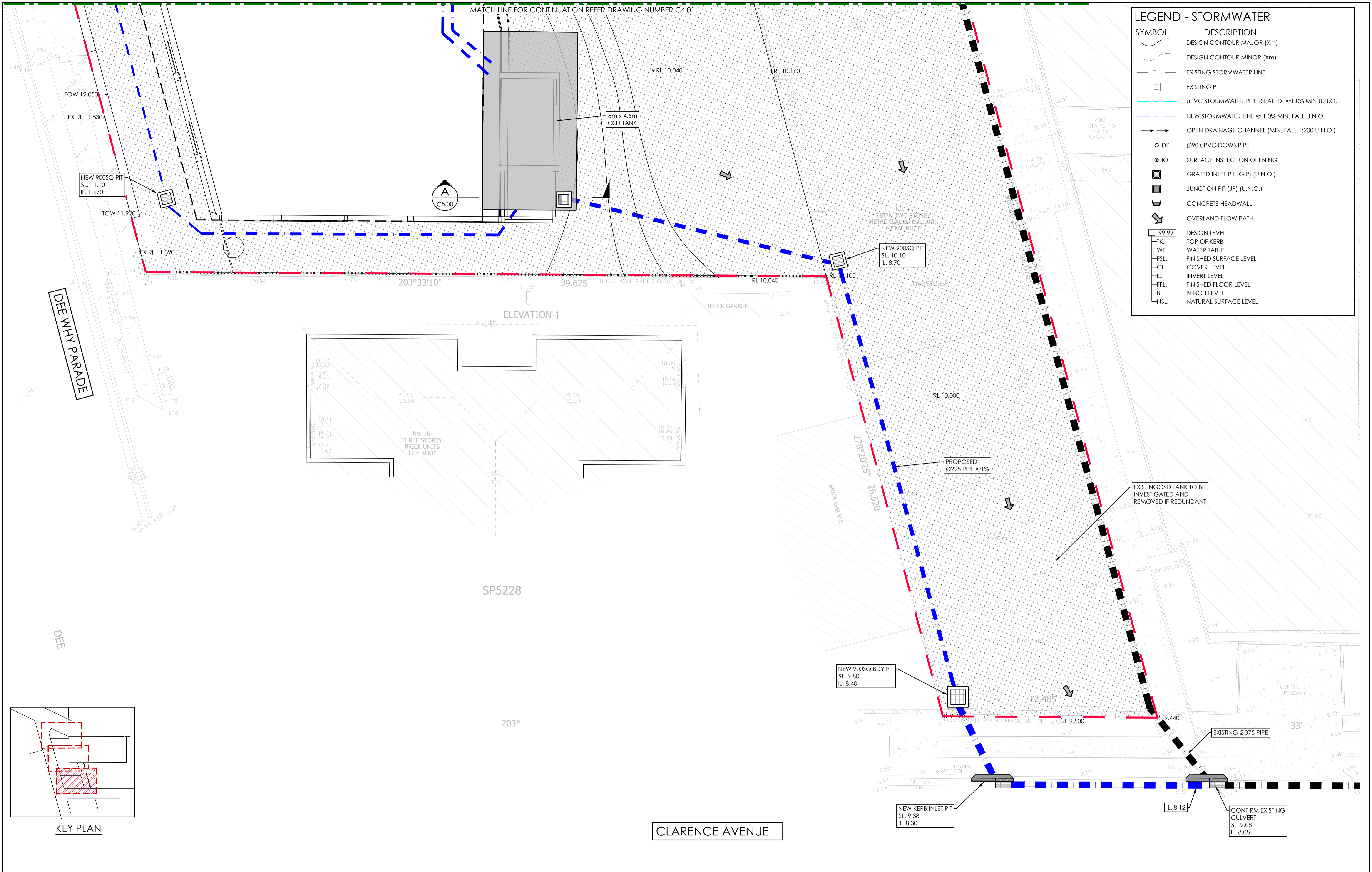
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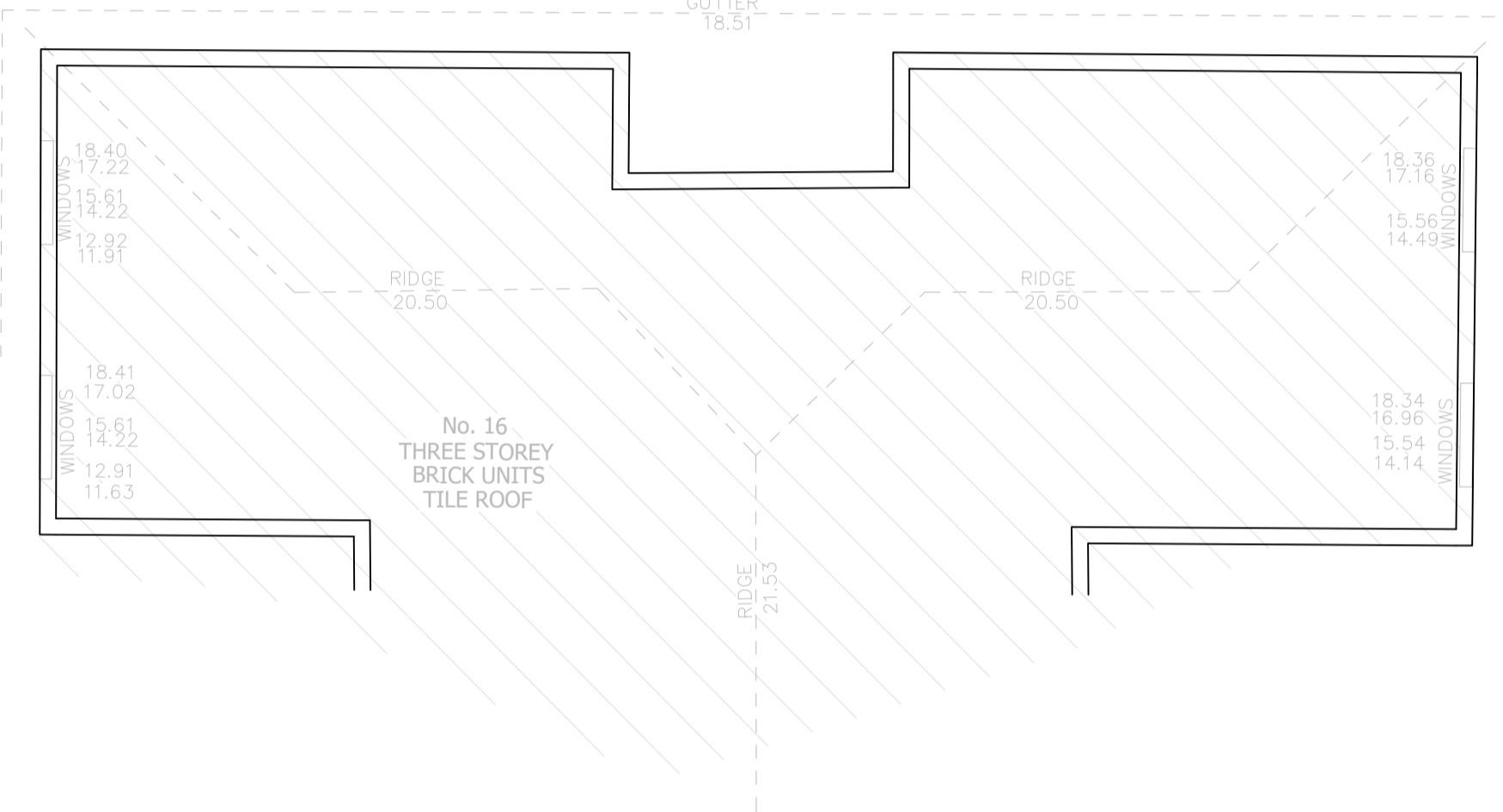
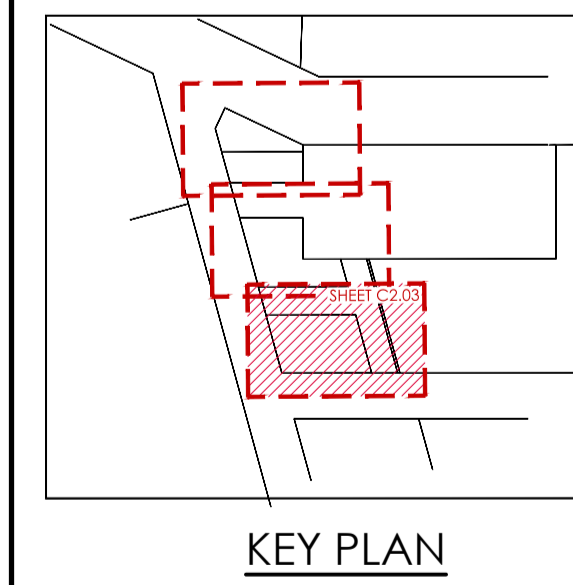
DRAWING TITLE  
LOWER GROUND FLOOR LEVEL  
PLAN - SHEET 2

PROJECT No. TX17488.00 - C4.11  
DRAWING No. A  
ISSUE

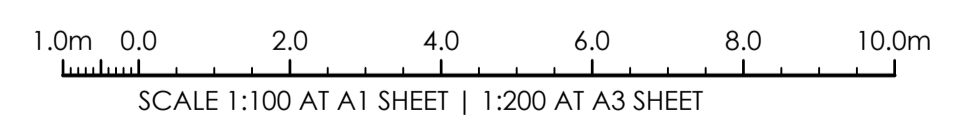




LEGEND - STORMWATER	
SYMBOL	DESCRIPTION
	DESIGN CONTOUR MAJOR (Xm)
	DESIGN CONTOUR MINOR (Xm)
	EXISTING STORMWATER LINE
	NEW STORMWATER LINE @ 1.0% MIN. FALL U.N.O.
	OPEN DRAINAGE CHANNEL (MIN. FALL 1:200 U.N.O.)
	Ø90 uPVC DOWNPIPE
	SURFACE INSPECTION OPENING
	GRATED INLET PIT (GIP) (U.N.O.)
	JUNCTION PIT (JP) (U.N.O.)
	CONCRETE HEADWALL
	OVERLAND FLOW PATH
	DESIGN LEVEL
	TOP OF KERB
	WATER TABLE
	FINISHED SURFACE LEVEL
	COVER LEVEL
	INVERT LEVEL
	FINISHED FLOOR LEVEL
	BENCH LEVEL
	NATURAL SURFACE LEVEL



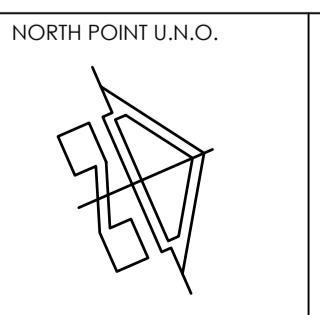
LOWER GROUND FLOOR LEVEL PLAN - SHEET 3  
SCALE 1:### AT A1



ISSUE FOR PLANNING PROPOSAL SUBMISSION  
AMENDMENTS

14.11.23	A	J.Q
DATE	ISSUE	BY

**NOT FOR CONSTRUCTION**



ARCHITECT: MARCHESI PARTNERS ARCHITECTS  
CLIENT: DEE WHY RSL CLUB LTD  
LEVEL 7, 107 MOUNT STREET  
NORTH SYDNEY NSW 2060

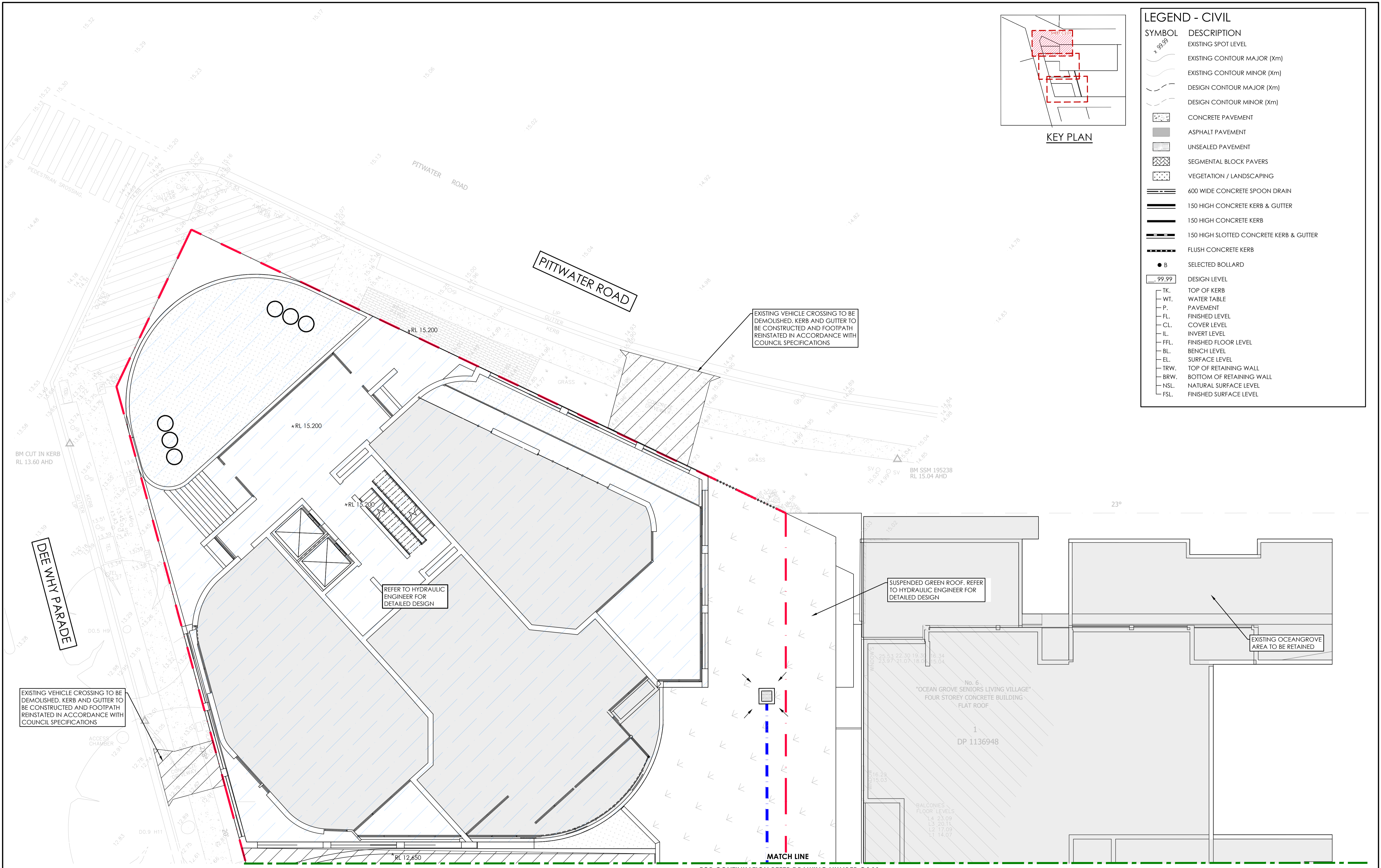
PROJECT: PROPOSED CIVIL WORKS  
2-14 DEE WHY PDE  
DEE WHY NSW 2099

DESIGNED MD	DRAWN J.Q	DATE SEPT 23	SIZE A1	CAD REF TX17488.00 - C4.12
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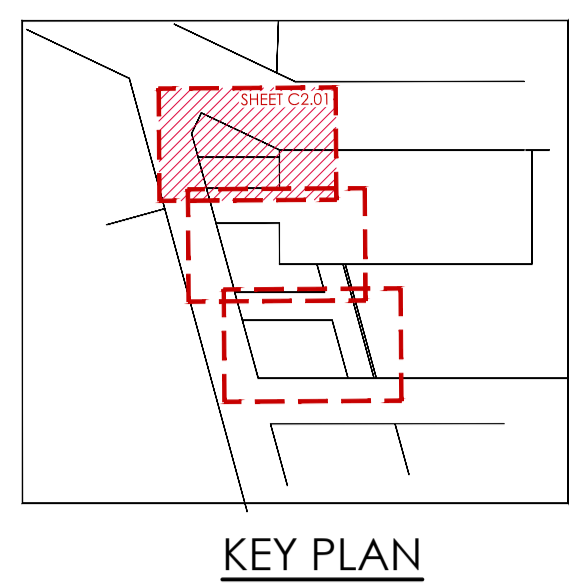


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DRAWING TITLE: LOWER GROUND FLOOR LEVEL PLAN - SHEET 3  
PROJECT No. TX17488.00 - C4.12  
DRAWING No. A



LEGEND - CIVIL	
SYMBOL	DESCRIPTION
• 99.99	EXISTING SPOT LEVEL
—	EXISTING CONTOUR MAJOR (Xm)
- - -	EXISTING CONTOUR MINOR (Xm)
—	DESIGN CONTOUR MAJOR (Xm)
- - -	DESIGN CONTOUR MINOR (Xm)
[Pattern]	CONCRETE PAVEMENT
[Pattern]	ASPHALT PAVEMENT
[Pattern]	UNSEALED PAVEMENT
[Pattern]	SEGMENTAL BLOCK PAVERS
[Pattern]	VEGETATION / LANDSCAPING
[Symbol]	600 WIDE CONCRETE SPOON DRAIN
[Symbol]	150 HIGH CONCRETE KERB & GUTTER
[Symbol]	150 HIGH CONCRETE KERB
[Symbol]	150 HIGH SLOTTED CONCRETE KERB & GUTTER
[Symbol]	FLUSH CONCRETE KERB
• B	SELECTED BOLLARD
— 99.99	DESIGN LEVEL
TK.	TOP OF KERB
WT.	WATER TABLE
P.	PAVEMENT
FL.	FINISHED LEVEL
CL.	COVER LEVEL
IL.	INVERT LEVEL
FFL.	FINISHED FLOOR LEVEL
BL.	BENCH LEVEL
EL.	SURFACE LEVEL
TRW.	TOP OF RETAINING WALL
BRW.	BOTTOM OF RETAINING WALL
NSL.	NATURAL SURFACE LEVEL
FSL.	FINISHED SURFACE LEVEL



EXISTING VEHICLE CROSSING TO BE DEMOLISHED. KERB AND GUTTER TO BE CONSTRUCTED AND FOOTPATH REINSTATED IN ACCORDANCE WITH COUNCIL SPECIFICATIONS

REFER TO HYDRAULIC ENGINEER FOR DETAILED DESIGN

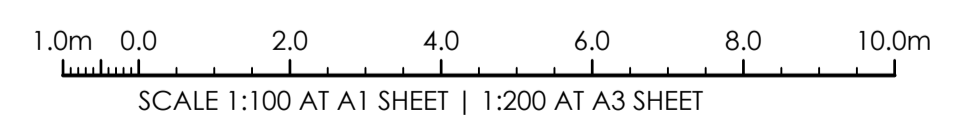
SUSPENDED GREEN ROOF. REFER TO HYDRAULIC ENGINEER FOR DETAILED DESIGN

EXISTING OCEANGROVE AREA TO BE RETAINED

EXISTING VEHICLE CROSSING TO BE DEMOLISHED. KERB AND GUTTER TO BE CONSTRUCTED AND FOOTPATH REINSTATED IN ACCORDANCE WITH COUNCIL SPECIFICATIONS

MATCH LINE  
FOR CONTINUATION REFER DRAWING NUMBER C4.11

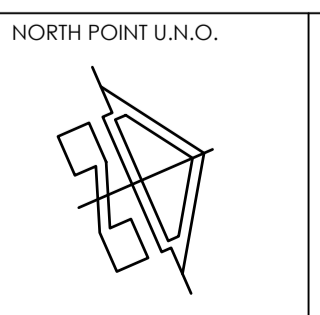
UPPER GROUND FLOOR LEVEL PLAN - SHEET 1  
SCALE 1:100 AT A1



ISSUE FOR PLANNING PROPOSAL SUBMISSION  
AMENDMENTS

14.11.23	A	J.Q
DATE	ISSUE	BY

**NOT FOR CONSTRUCTION**



ARCHITECT  
MARCHESE PARTNERS ARCHITECTS  
LEVEL 7, 107 MOUNT STREET  
NORTH SYDNEY NSW 2060

CLIENT  
DEE WHY RSL CLUB LTD

PROJECT  
PROPOSED CIVIL WORKS  
2-14 DEE WHY PDE  
DEE WHY NSW 2099

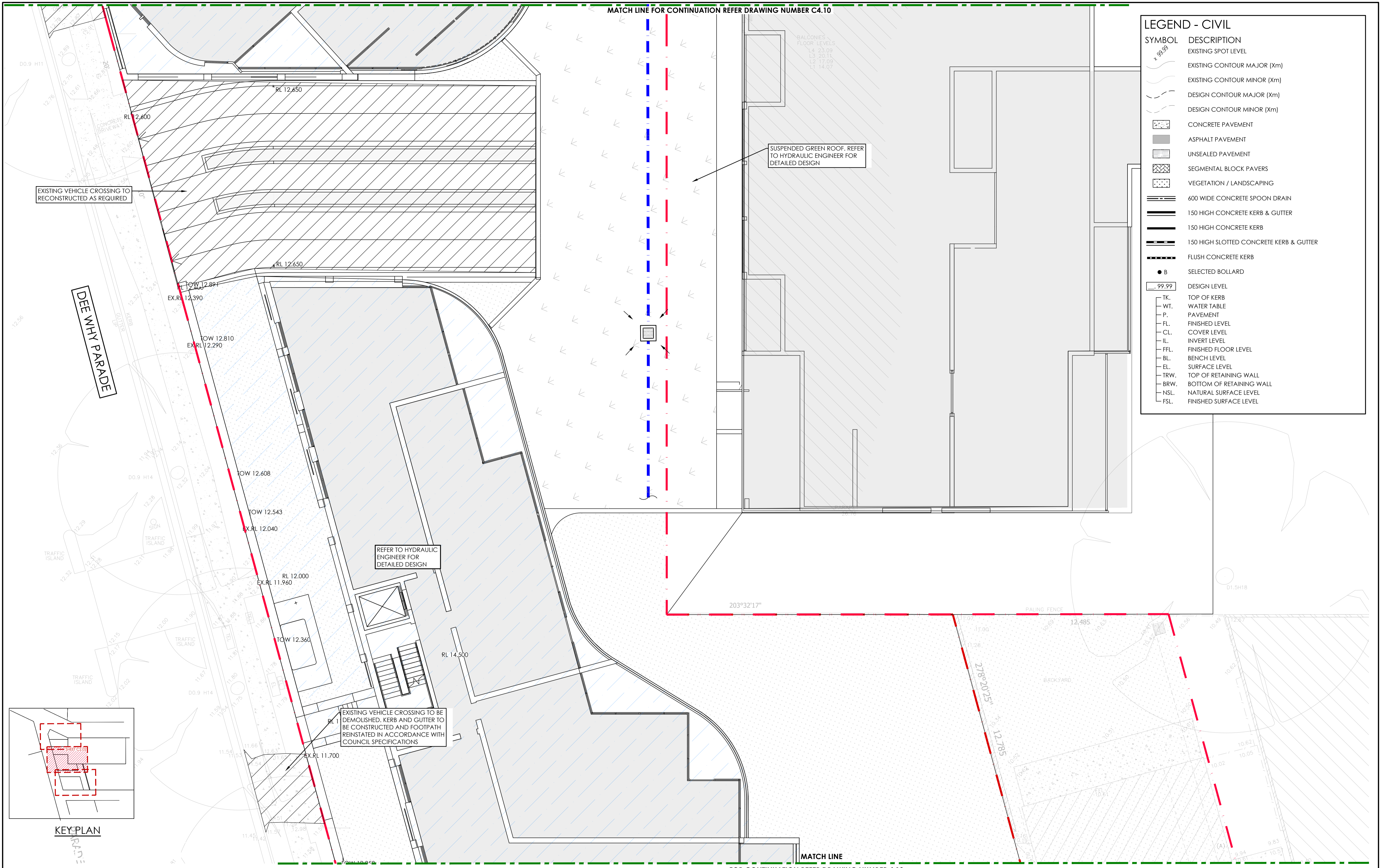
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DATE SEPT 23  
SIZE A1  
CAD REF TX17488.00 - C4.20



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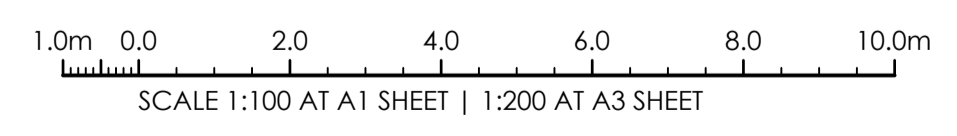
DRAWING TITLE  
UPPER GROUND FLOOR LEVEL PLAN - SHEET 1

PROJECT No. TX17488.00 - C4.20  
DRAWING No. A  
ISSUE



LEGEND - CIVIL	
SYMBOL	DESCRIPTION
	EXISTING SPOT LEVEL
	EXISTING CONTOUR MAJOR (Xm)
	EXISTING CONTOUR MINOR (Xm)
	DESIGN CONTOUR MAJOR (Xm)
	DESIGN CONTOUR MINOR (Xm)
	CONCRETE PAVEMENT
	ASPHALT PAVEMENT
	UNSEALED PAVEMENT
	SEGMENTAL BLOCK PAVERS
	VEGETATION / LANDSCAPING
	600 WIDE CONCRETE SPOON DRAIN
	150 HIGH CONCRETE KERB & GUTTER
	150 HIGH CONCRETE KERB
	150 HIGH SLOTTED CONCRETE KERB & GUTTER
	FLUSH CONCRETE KERB
	SELECTED BOLLARD
	DESIGN LEVEL
	TK. TOP OF KERB
	WT. WATER TABLE
	P. PAVEMENT
	FL. FINISHED LEVEL
	CL. COVER LEVEL
	IL. INVERT LEVEL
	FFL. FINISHED FLOOR LEVEL
	BL. BENCH LEVEL
	EL. SURFACE LEVEL
	TRW. TOP OF RETAINING WALL
	BRW. BOTTOM OF RETAINING WALL
	NSL. NATURAL SURFACE LEVEL
	FSL. FINISHED SURFACE LEVEL

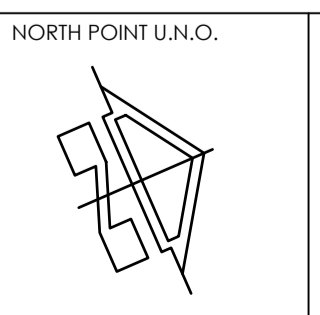
UPPER GROUND FLOOR LEVEL PLAN - SHEET 2  
SCALE 1:100 AT A1



ISSUE FOR PLANNING PROPOSAL SUBMISSION  
AMENDMENTS

14.11.23	A	J.Q
DATE	ISSUE	BY

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MARCHESE PARTNERS ARCHITECTS  
LEVEL 7, 107 MOUNT STREET  
NORTH SYDNEY NSW 2060

CLIENT  
DEE WHY RSL CLUB LTD

PROJECT  
PROPOSED CIVIL WORKS  
2-14 DEE WHY PDE  
DEE WHY NSW 2099

DESIGNED MD  
DRAWN J.Q  
DATE SEPT 23  
SIZE A1  
CAD REF TX17488.00 - C4.21

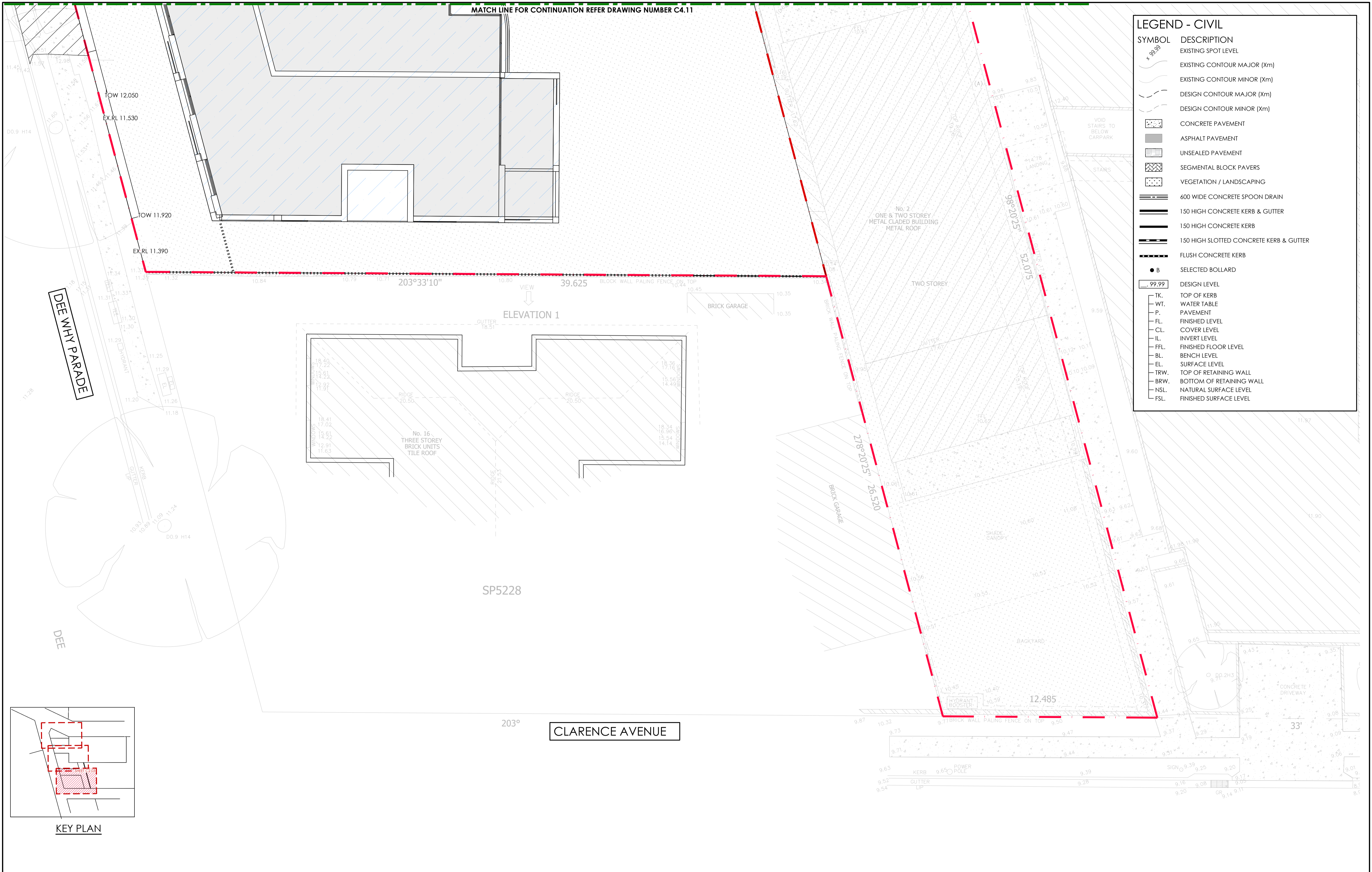


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DRAWING TITLE  
UPPER GROUND FLOOR LEVEL  
PLAN - SHEET 2

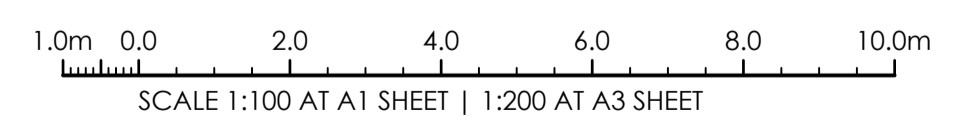
PROJECT No. TX17488.00 - C4.21  
DRAWING No. A  
ISSUE



**LEGEND - CIVIL**

SYMBOL	DESCRIPTION
	EXISTING SPOT LEVEL
	EXISTING CONTOUR MAJOR (Xm)
	EXISTING CONTOUR MINOR (Xm)
	DESIGN CONTOUR MAJOR (Xm)
	DESIGN CONTOUR MINOR (Xm)
	CONCRETE PAVEMENT
	ASPHALT PAVEMENT
	UNSEALED PAVEMENT
	SEGMENTAL BLOCK PAVERS
	VEGETATION / LANDSCAPING
	600 WIDE CONCRETE SPOON DRAIN
	150 HIGH CONCRETE KERB & GUTTER
	150 HIGH CONCRETE KERB
	150 HIGH SLOTTED CONCRETE KERB & GUTTER
	FLUSH CONCRETE KERB
	SELECTED BOLLARD
	DESIGN LEVEL
	TK. TOP OF KERB
	WT. WATER TABLE
	P. PAVEMENT
	FL. FINISHED LEVEL
	CL. COVER LEVEL
	IL. INVERT LEVEL
	FFL. FINISHED FLOOR LEVEL
	BL. BENCH LEVEL
	EL. SURFACE LEVEL
	TRW. TOP OF RETAINING WALL
	BRW. BOTTOM OF RETAINING WALL
	NSL. NATURAL SURFACE LEVEL
	FSL. FINISHED SURFACE LEVEL

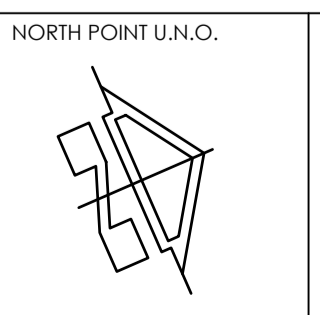
UPPER GROUND FLOOR LEVEL PLAN - SHEET 3  
SCALE 1:100 AT A1



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DEE WHY NSW 2099

DESIGNED MD  
DRAWN J.Q  
DATE SEPT 23  
SIZE A1  
CAD REF TX17488.00 - C4.22

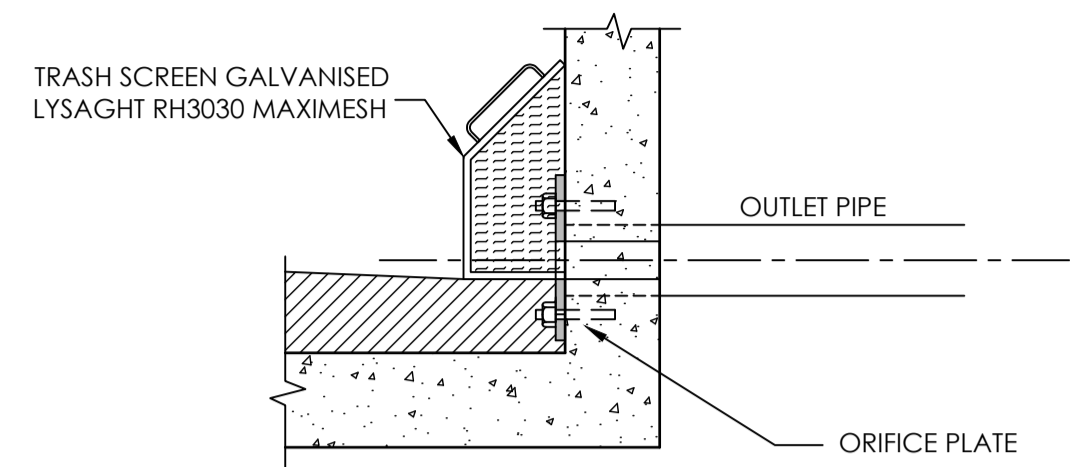


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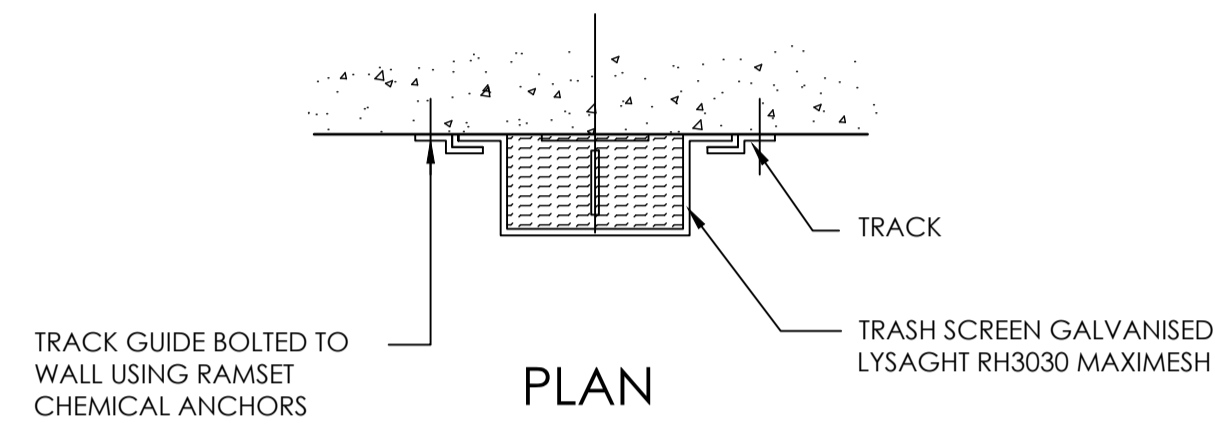
TO BE PRINTED IN COLOUR

DRAWING TITLE  
UPPER GROUND FLOOR LEVEL  
PLAN - SHEET 3

PROJECT No. TX17488.00 - C4.22  
DRAWING No. A  
ISSUE

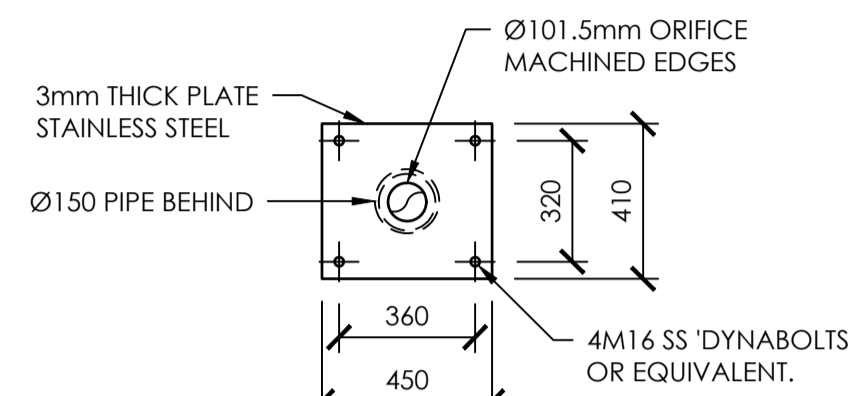


SIDE VIEW CROSS SECTION



MAXIMESH TRASH SCREEN DETAIL

SCALE NTS



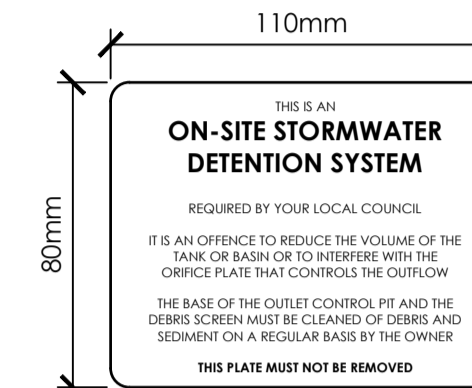
ORIFICE PLATE DETAIL

SCALE 1:20 AT A1

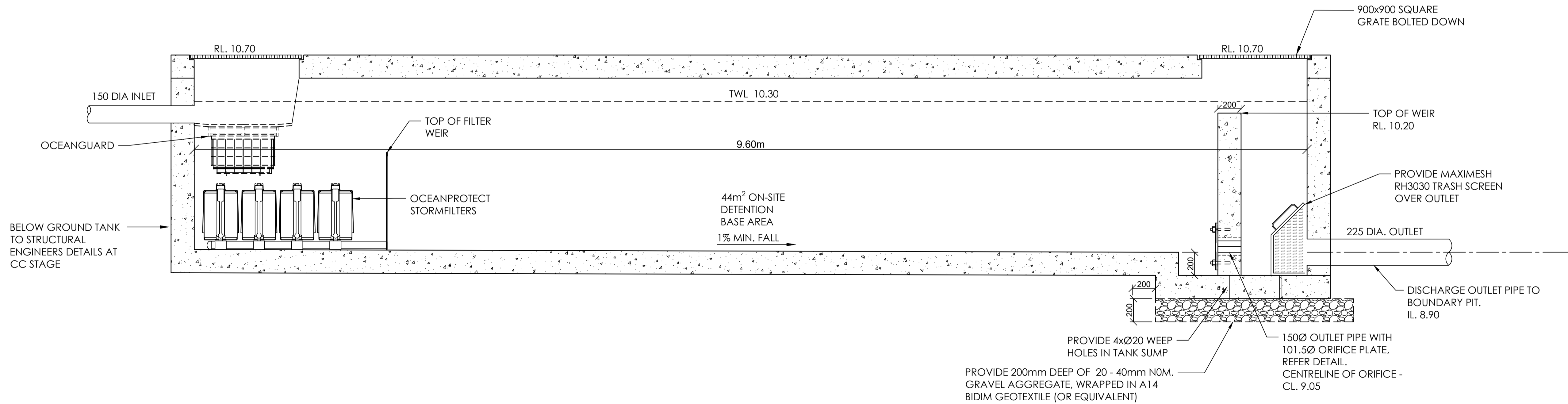


COLOURS:  
 "DANGER" AND BACKGROUND WHITE  
 ELLIPTICAL AREA RED  
 RECTANGLE CONTAINING ELLIPSE BLACK  
 OTHER LETTERING AND BORDER BLACK

NOTE:  
 CONFINED SPACES WARNING SIGNAGE IS TO BE INSTALLED IN THE VICINITY OF ALL OPENINGS TO THE OSD TANK. REFER TO DETAIL THIS SHEET.

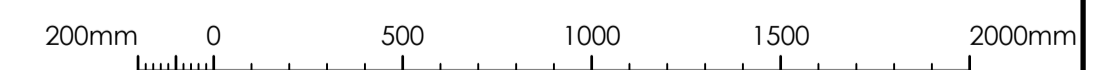


NOTE:  
 ON-SITE DETENTION SIGNAGE IS TO BE INSTALLED IN THE VICINITY OF ALL OPENINGS TO THE OSD TANK. REFER TO DETAIL THIS SHEET.



TYPICAL SECTION THROUGH OSD TANK

SECTION A  
 SCALE 1:20 @ A1

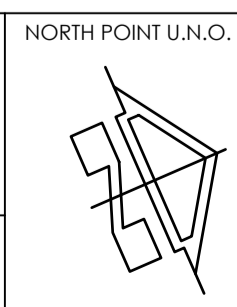


SCALE 1:20 AT A1 SHEET | 1:40 AT A3 SHEET

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 DRAWN J.Q.  
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 SIZE A1  
 CAD REF TX17488.00 - C5.00




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 COMPLEX PROBLEMS  
 RESOLVED SIMPLY

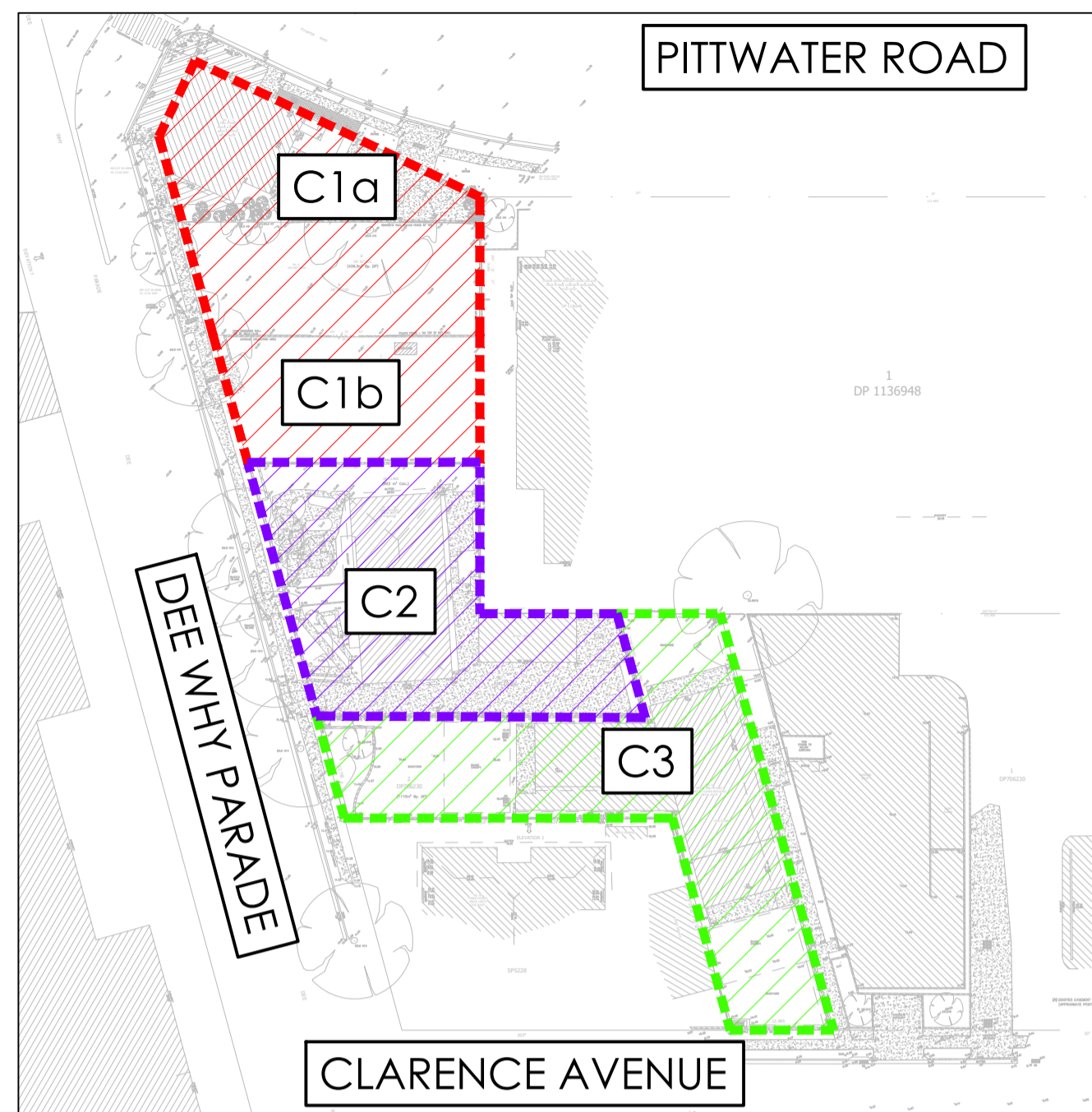
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DRAWING TITLE  
 DETAILS

PROJECT No. TX17488.00 - C5.00  
 DRAWING No. A  
 ISSUE

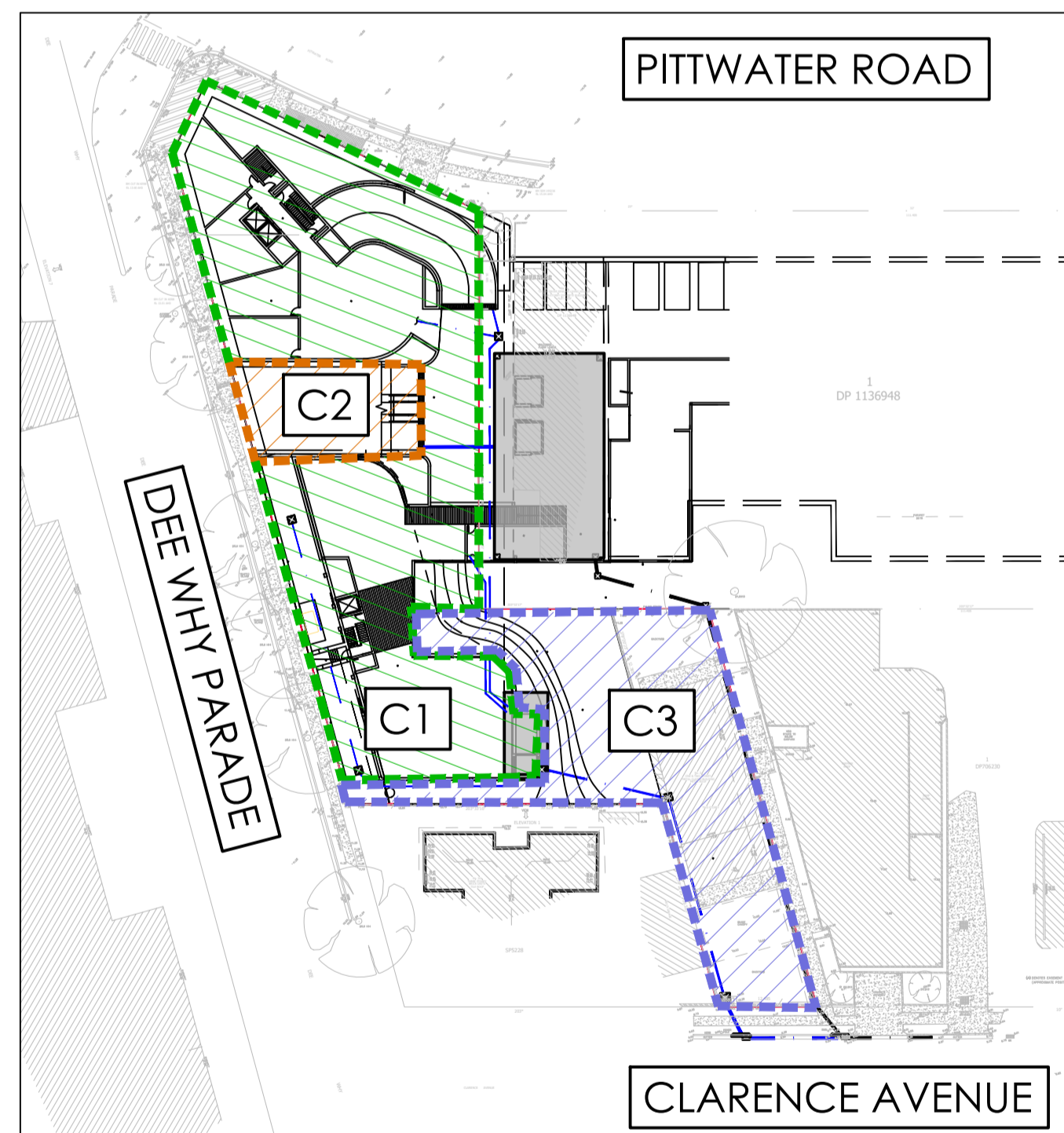
LEGEND	
SYMBOL	DESCRIPTION
	CATCHMENT BOUNDARY



EXISTING CATCHMENT PLAN  
SCALE 1:750 AT A1

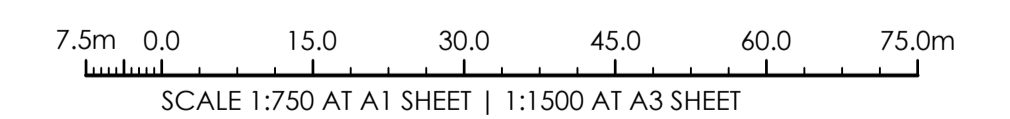
PRE-DEVELOPMENT				
CATCHMENT	AREA (m <sup>2</sup> )	IMPERVIOUS (%)	PERVIOUS (%)	COMMENTS
C1a	436.7	0	100	LOT A, DP307103
C1b	464.5	0	100	LOT B, DP307103
C2	953.3	0	100	SP11488
C3	1115.5	0	100	LOT 2, DP1136948
C4a	464.1	69.1	31.9	LOT 1, DP1136948 - TO EXISTING OSD
	3434.1	9.3	90.7	

NOTE:  
AS PER NORTHERN BEACHES COUNCIL "WATER MANAGEMENT FOR DEVELOPMENT POLICY", CLAUSE 9.3.2.6. PRE-DEVELOPED SITE AREAS ARE TO BE TAKEN AS 0% IMPERVIOUS



PROPOSED CATCHMENT PLAN  
SCALE 1:750 AT A1

PRE-DEVELOPMENT				
CATCHMENT	AREA (m <sup>2</sup> )	IMPERVIOUS (%)	PERVIOUS (%)	COMMENTS
C1	2087.7	48.6	51.4	TO NEW OSD
C2	262.0	90	10	TO EXISTING OSD
C3	1084.4	0	100	BYPASS OSD



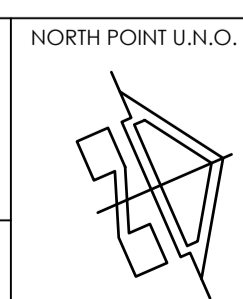
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DEE WHY NSW 2099

DESIGNED  
MD

DRAWN  
J.Q.

DATE  
SEPT 23

SIZE  
A1

CAD REF  
TX17488.00 - C6.00



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RESOLVED SIMPLY

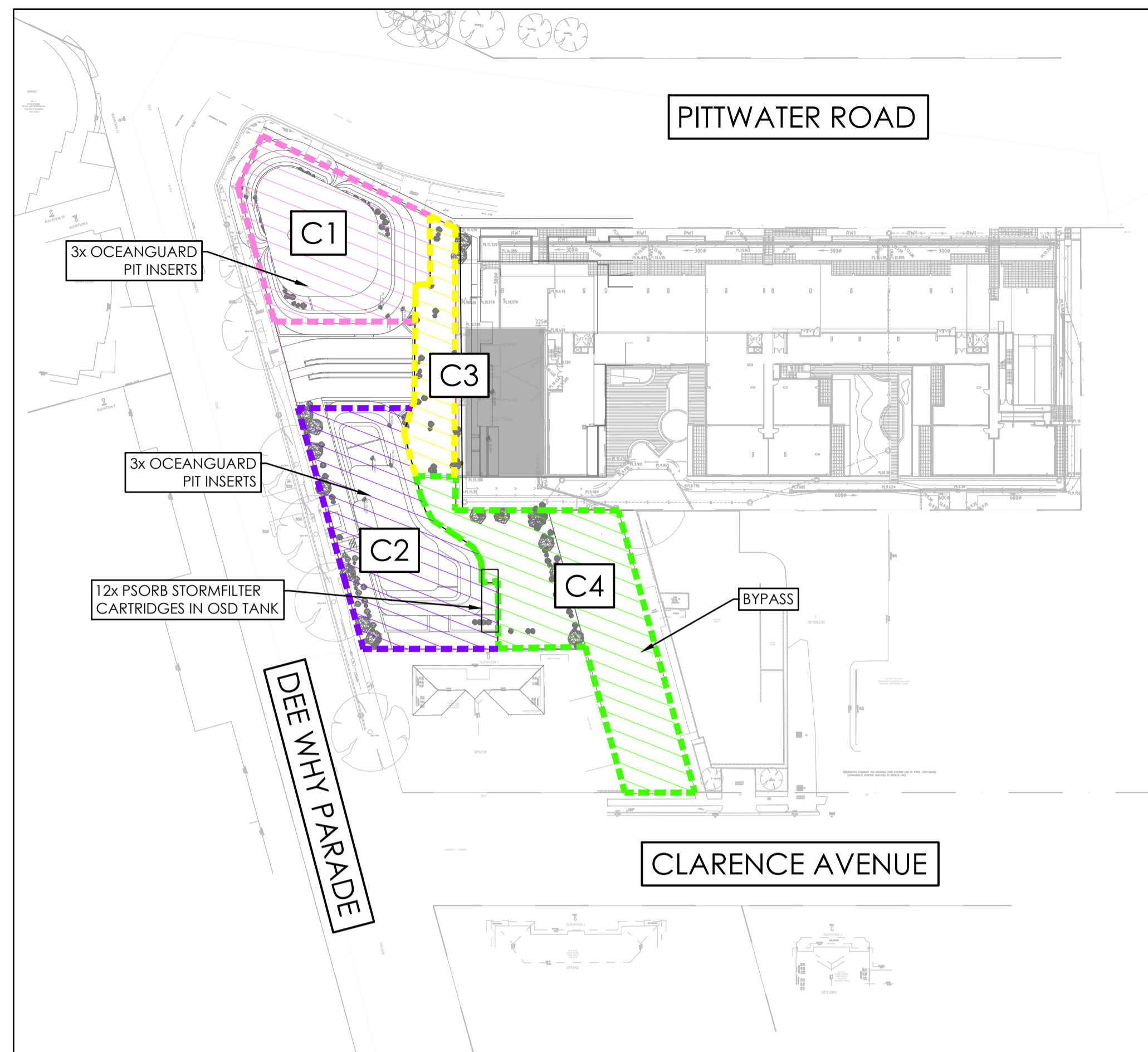
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DRAWING TITLE  
CATCHMENT PLAN - DETENTION

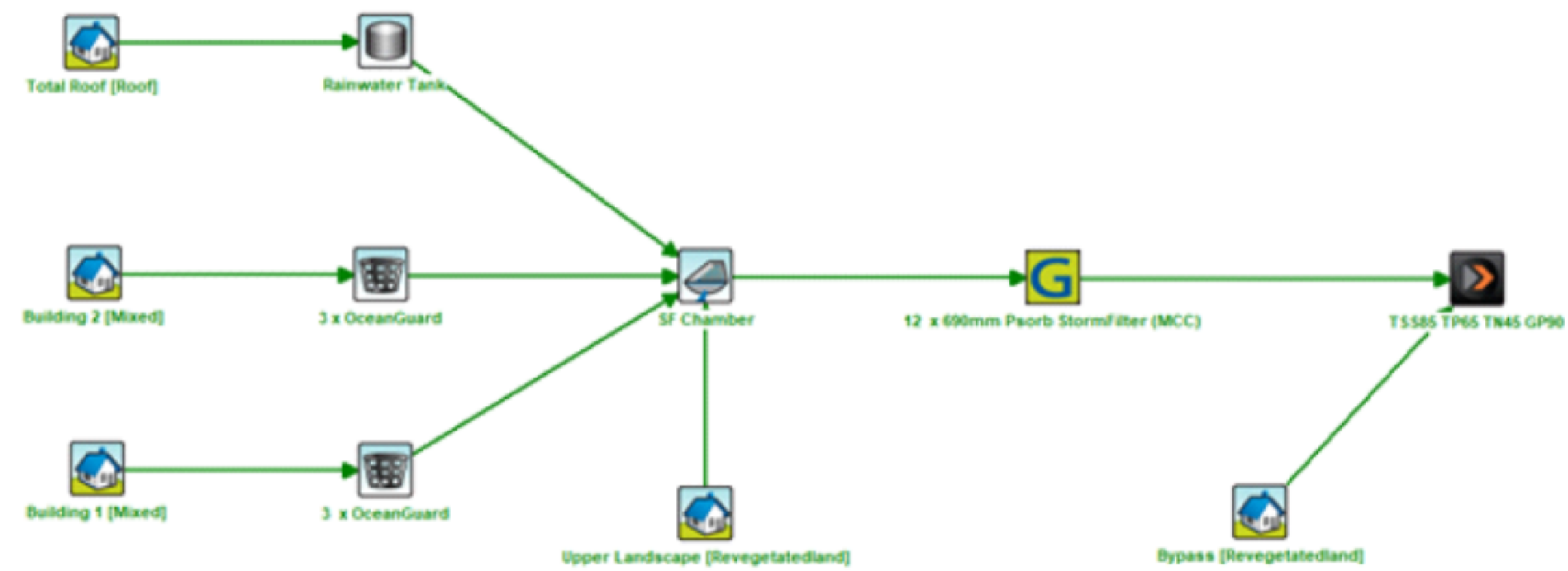
PROJECT No. TX17488.00 - C6.00  
DRAWING No. A  
ISSUE



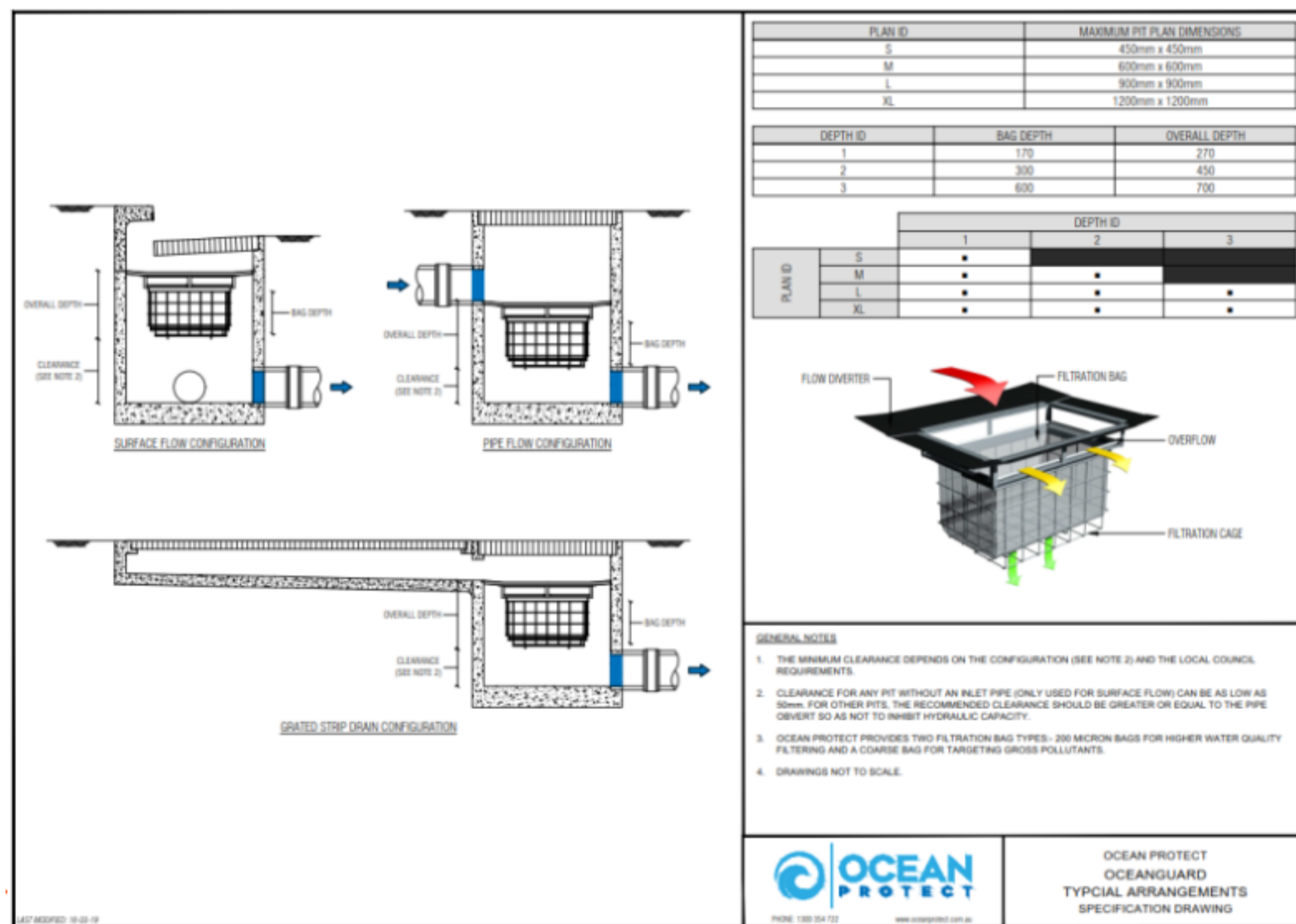
WATER QUALITY CATCHMENT PLAN  
SCALE 1:750 AT A1

WATER TREATMENT			
CATCHMENT	AREA (m <sup>2</sup> )	IMPERVIOUS (%)	PERVIOUS (%)
C1	840	85	15
C2	900	67	33
C3	400	0	100
C4	1000	0	100

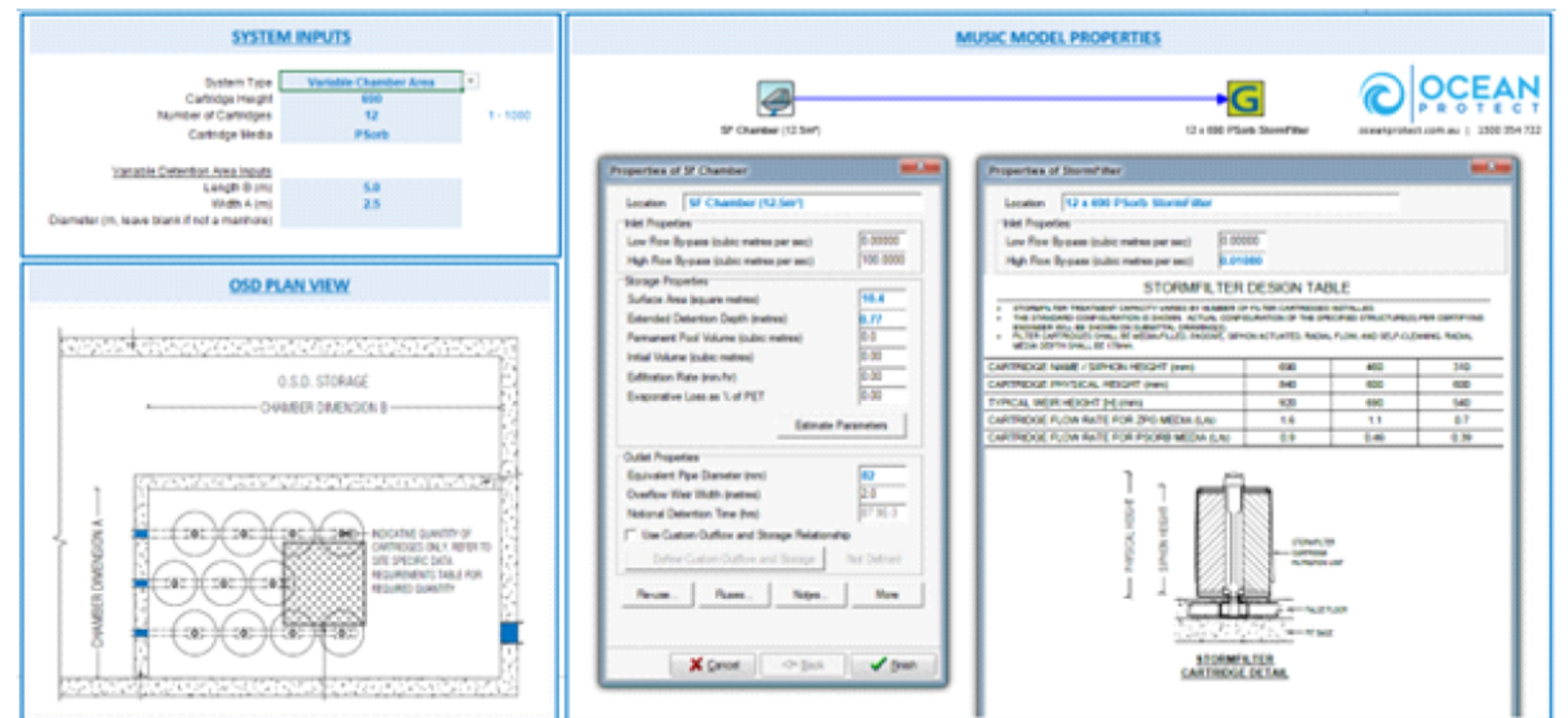
Treatment Train Effectiveness - TSS85 TP65 TN45 GP90			
	Sources	Residual Load	% Reduction
Flow (ML/yr)	12	11.8	1.5
Total Suspended Solids (kg/yr)	2210	329	85.1
Total Phosphorus (kg/yr)	4.45	1.48	66.7
Total Nitrogen (kg/yr)	32.3	16.5	48.9
Gross Pollutants (kg/yr)	287	0	100



MUSIC MODEL



OCEANGUARD DETAIL



OCEANPROTECT STORMFILTER DETAIL

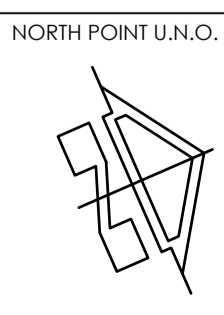
7.5m 0.0 15.0 30.0 45.0 60.0 75.0m  
SCALE 1:750 AT A1 SHEET | 1:1500 AT A3 SHEET

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DRAWING TITLE  
WATER QUALITY CATCHMENT PLAN

PROJECT No. TX17488.00 - C7.00  
DRAWING No. A  
ISSUE