

KEYNOTES	
AWN	AWNING - TYPE 1
CON2	CONCRETE - TYPE 2
GUT2	GUTTER - TYPE 2
MRF	METAL ROOF FLASHING
MRS1	METAL ROOF SHEETING - TYPE 1
RW1	RETAINING WALL - TYPE 1
SFAG	SAND-FILLED ARTIFICIAL GRASS
SHD	SHADING ELEMENT
TGSI	TACTILE GROUND SURFACE INDICATOR
VT1	VENT - TYPE 1
VT2	VENT - TYPE 2

SITE PLAN LEGEND	
	PROPOSED TREES & LANDSCAPING UNDER SEPERATE APPROVAL - NOT UNDER DA SCOPE
	XPP EXISTING POWER POLE
	XLP EXISTING LIGHT POLE

WARRINGAH GOLF COURSE

2742
D.P. 752038
LEASE LOT 3
D.P. 829465

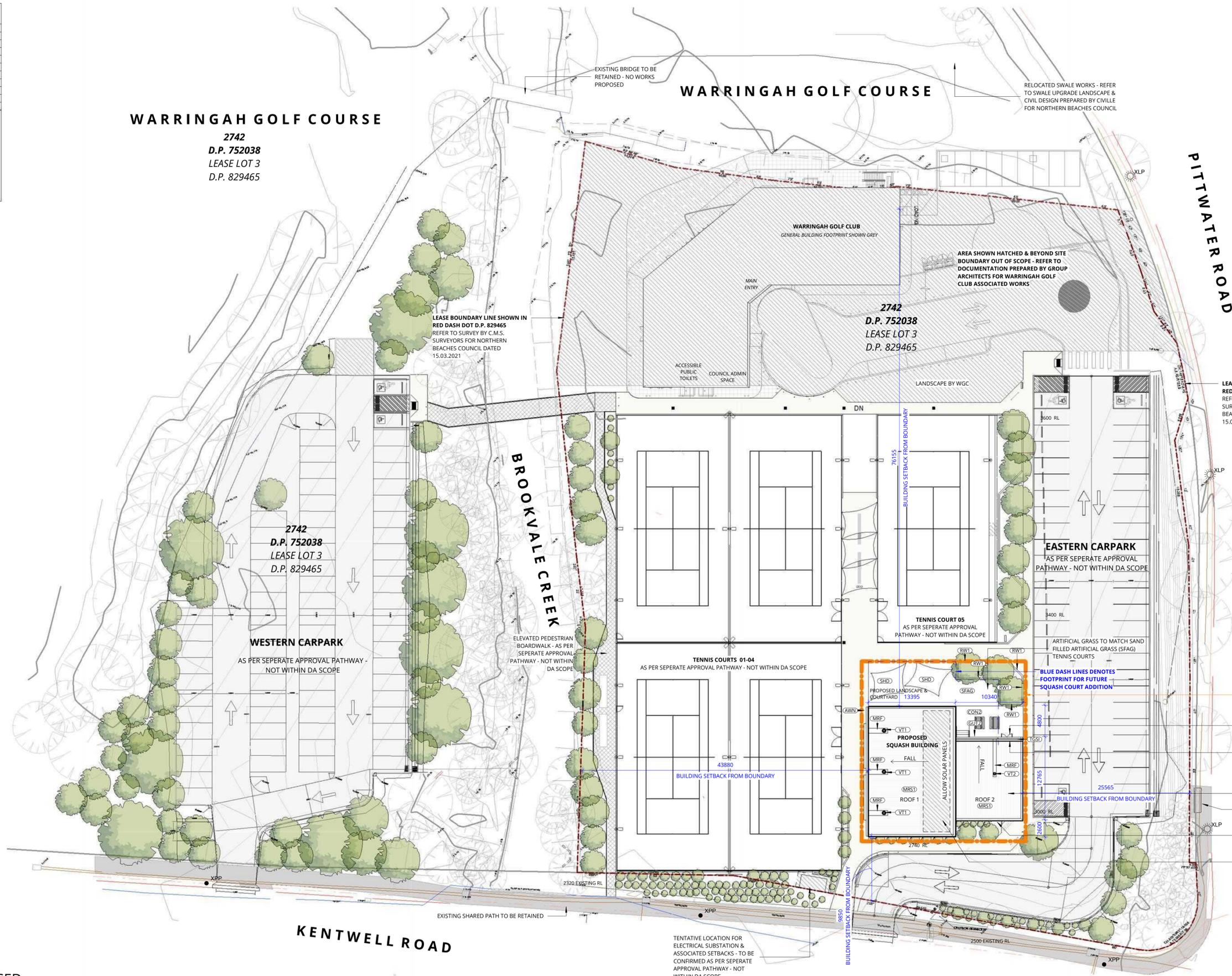
WARRINGAH GOLF COURSE

RELOCATED SWALE WORKS - REFER TO SWALE UPGRADE LANDSCAPE & CIVIL DESIGN PREPARED BY CIVILLE FOR NORTHERN BEACHES COUNCIL

PITTWATER ROAD

PITTWATER ROAD

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THIS PLAN IS TO BE READ IN CONJUNCTION WITH DEFERRED COMMENCEMENT CONSENT
DA NUMBER: DA2024/1171
(Activation of consent must be obtained from Northern Beaches Council)



1 SITE PLAN - PROPOSED
0401 SCALE 1 : 300

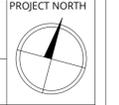
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A	18.05.2024	ISSUED FOR COORDINATION	CT	
B	22.05.2024	CONCEPT DESIGN	CT	
C	02.07.2024	FOR CLIENT REVIEW	CT	
D	10.07.2024	FOR CLIENT REVIEW	CT	
E	15.08.2024	ISSUE FOR APPROVAL	CT	

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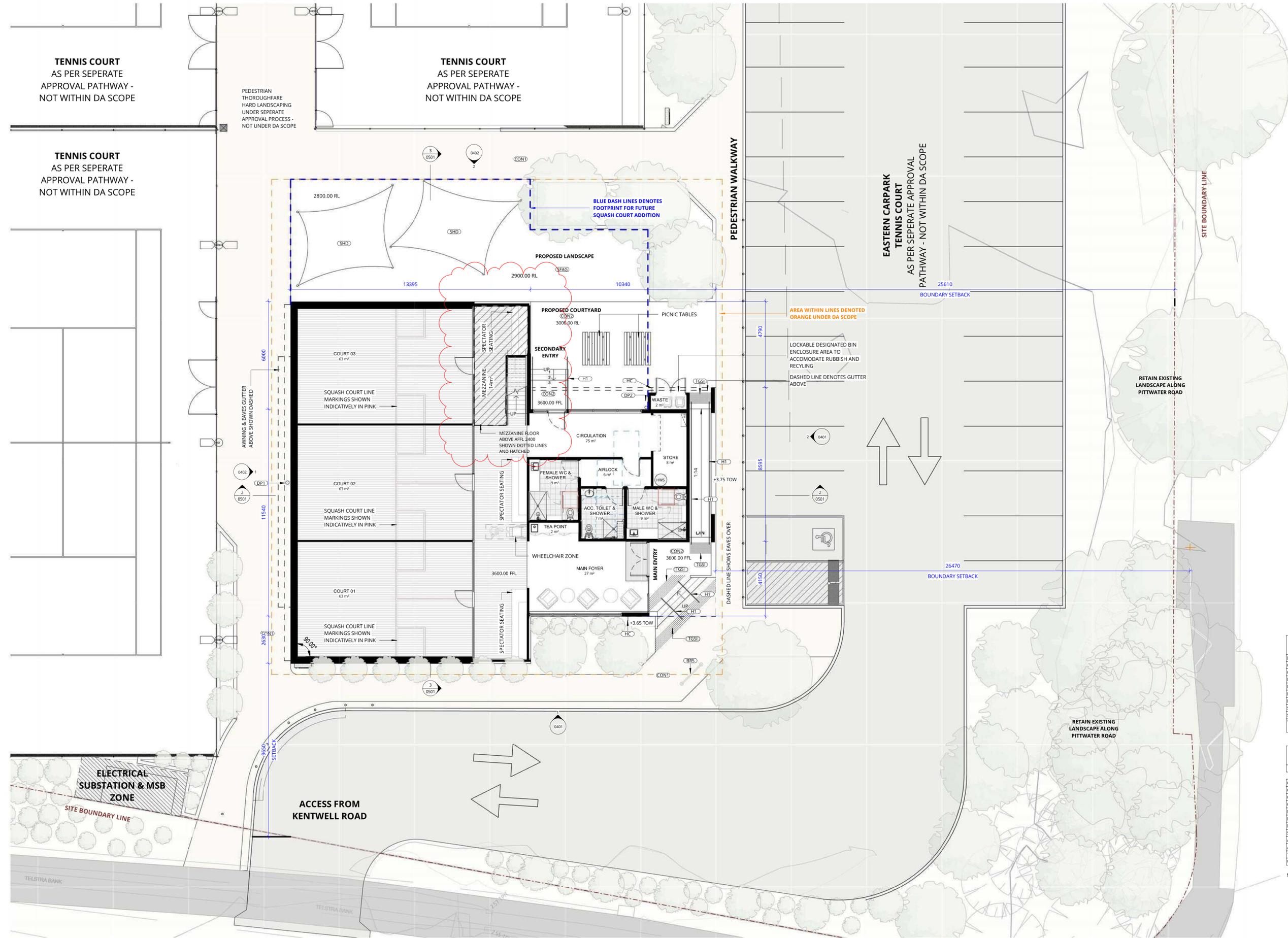


ISSUED FOR DA APPROVAL
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SHEET NUMBER: 2950 / 0202 / E

SITE PLAN - PROPOSED
WARRINGAH RECREATION CENTRE
KENTWELL RD AT PITTWATER RD
NORTH MANLY NSW 2095
Lot 2742 DP 752038
COMMENCEMENT DATE: SEPT 2023
SCALE



northern beaches council
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PITTWATER ROAD

KEYNOTES

BRS	BIKE RACK - 5 BIKES
CON1	CONCRETE - TYPE 1
CON2	CONCRETE - TYPE 2
DP1	DOWNPIPE - TYPE 1
DP2	DOWNPIPE - TYPE 2
DP1	DOWNPIPE - TYPE 1
HC	HOSE COCK
H1	HANDRAIL - TYPE 1
SHD	SHADING ELEMENT
TGSI	TACTILE GROUND SURFACE INDICATOR

AREA SCHEDULE

Name	Area
CIRCULATION	75 m ²
COURT 01	63 m ²
COURT 02	63 m ²
COURT 03	63 m ²
MAIN FOYER	27 m ²
FEMALE WC & SHOWER	9 m ²
MALE WC & SHOWER	9 m ²
STORE	8 m ²
ACC. TOILET & SHOWER	7 m ²
AIRLOCK	6 m ²
TEA POINT	2 m ²
WASTE	2 m ²

GROSS INTERNAL FLOOR AREA: 336.0m²

REV	DATE	DESCRIPTION	BY	CHK
C	22.05.2024	CONCEPT DESIGN	CT	
D	02.07.2024	FOR CLIENT REVIEW	CT	
E	10.07.2024	FOR CLIENT REVIEW	CT	
F	29.07.2024	FOR CLIENT REVIEW	CT	
G	15.08.2024	ISSUE FOR APPROVAL	CT	
H	30.01.2025	FOR COORDINATION	SP	
I	03.02.2025	DA RFI	SP	

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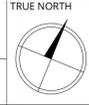
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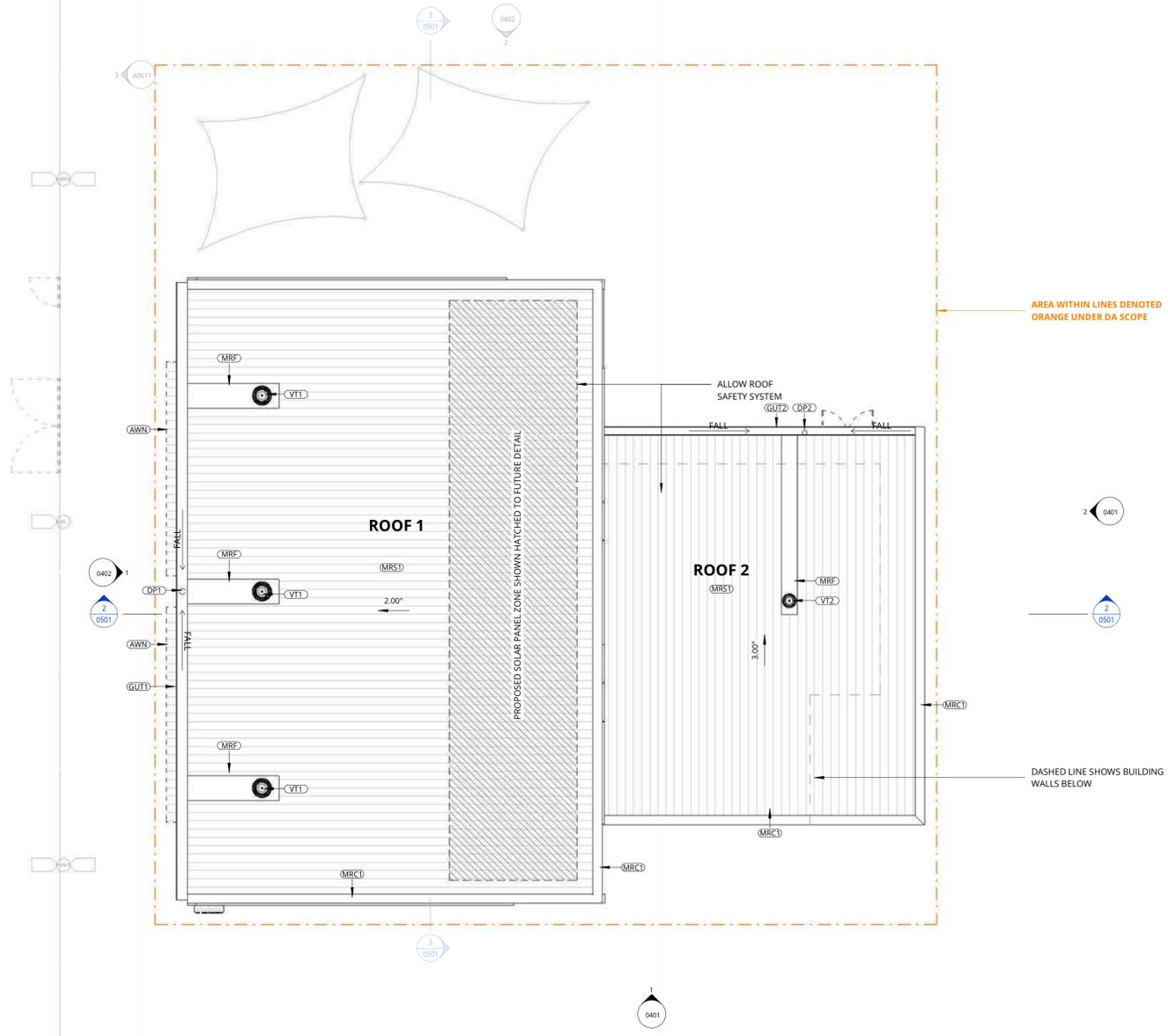
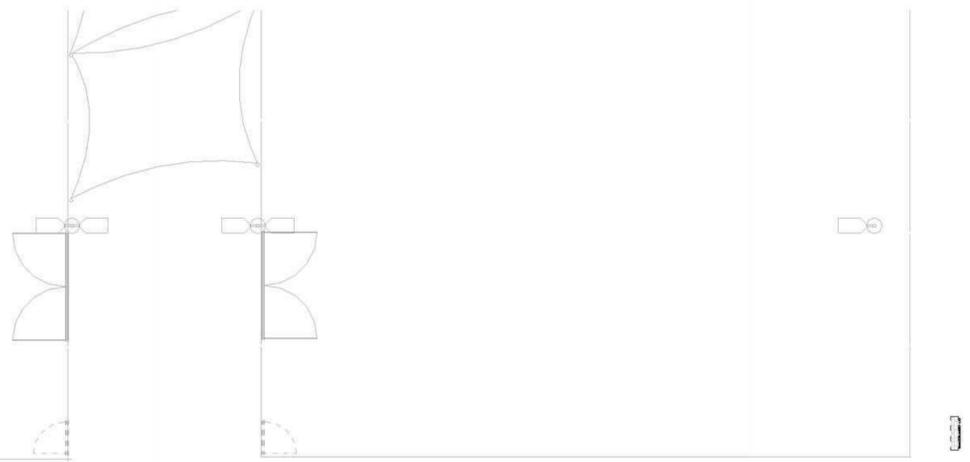


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**FLOOR PLAN - SQUASH BUILDING
 WARRINGAH RECREATION CENTRE**
 KENTWELL RD AT PITTWATER RD
 NORTH MANLY NSW 2095
 Lot 2742 DP 752038
 COMMENCEMENT DATE: SEPT 2023
 SCALE





northern beaches council

THIS PLAN IS TO BE READ IN CONJUNCTION WITH DEFERRED COMMENCEMENT CONSENT

DA NUMBER: DA2024/1171

(Activation of consent must be obtained from Northern Beaches Council)

REV	DATE	DESCRIPTION	BY	CHK
A	10.07.2024	FOR CLIENT REVIEW	CT	
B	10.07.2024	FOR CLIENT REVIEW	CT	
C	15.08.2024	ISSUE FOR APPROVAL	CT	

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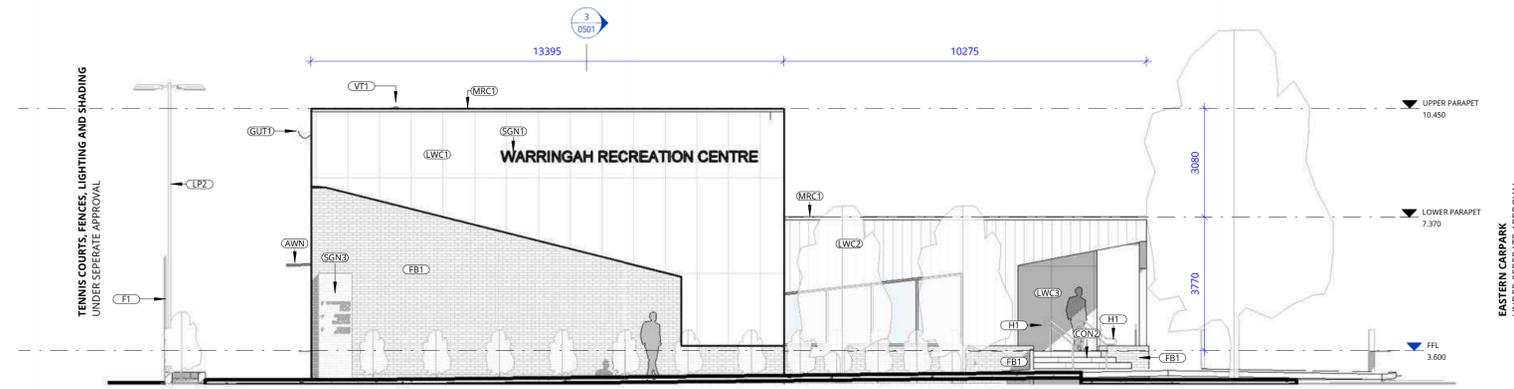
ROOF PLAN
WARRINGAH RECREATION CENTRE
KENTWELL RD AT FITZWATER RD
NORTH MANLY NSW 2095
Lot 2742 DP 752038

COMMENCEMENT DATE: SEPT 2023

SCALE

SHEET NUMBER: 2950 / 0330 / C

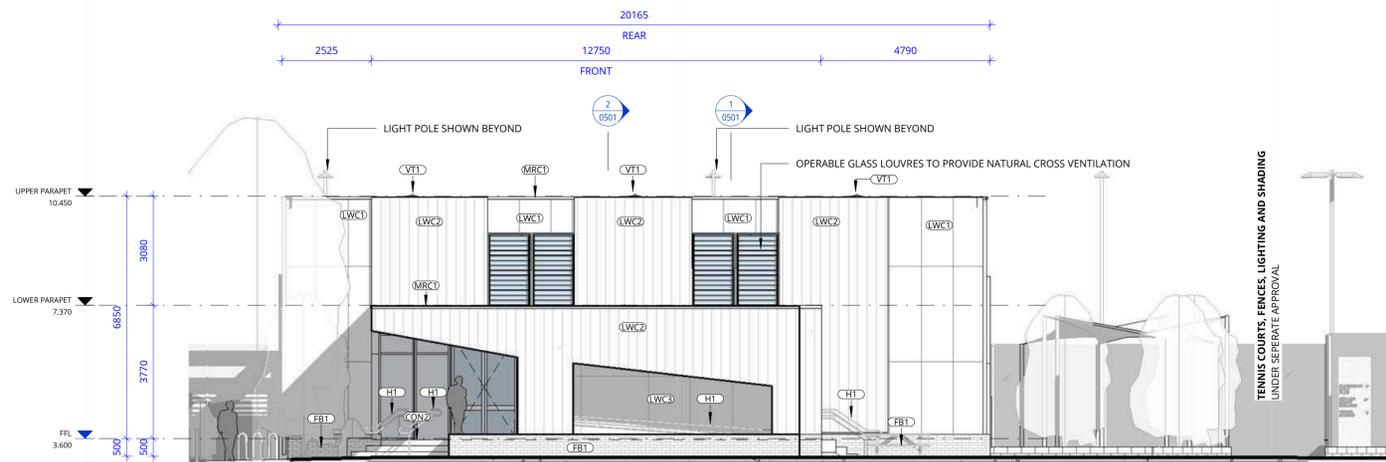
KEYNOTES	
AWN	AWNING - TYPE 1
CON2	CONCRETE - TYPE 2
F1	FENCE - TYPE 1
FB1	FACE BRICK - TYPE 1
GUT1	GUTTER - TYPE 1
H1	HANDRAIL - TYPE 1
LP2	LIGHT POLE - TYPE 2
LWC1	LIGHT WEIGHT CLADDING - TYPE 1
LWC2	LIGHT WEIGHT CLADDING - TYPE 2
LWC3	LIGHT WEIGHT CLADDING - TYPE 3
MRC1	METAL ROOF CAPPING - TYPE 1
SGN1	SIGN - TYPE 1
SGN3	SIGN - TYPE 3
VT1	VENT - TYPE 1



1 ELEVATION - SOUTH
0200b SCALE 1 : 100

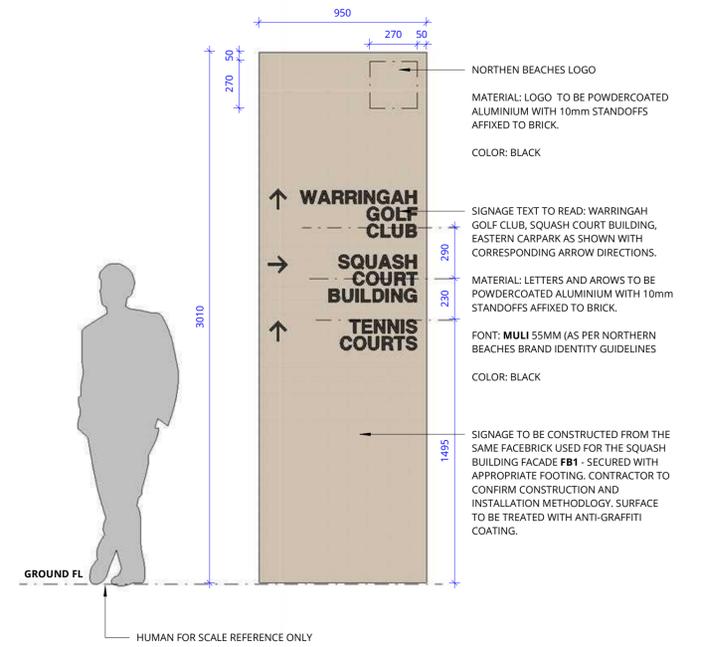


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 DA NUMBER: DA2024/1171
 (Activation of consent must be obtained from Northern Beaches Council)



2 ELEVATION - EAST
0200b SCALE 1 : 100

EASTERN CARPARK
UNDER SEPARATE APPROVAL



SITE SIGNAGE TYPE 1
CODE: SGN 3
ELEVATION VIEW 1:20

REV	DATE	DESCRIPTION	BY	CHK
A	22.05.2024	CONCEPT DESIGN	CT	
B	02.07.2024	FOR CLIENT REVIEW	CT	
C	29.07.2024	FOR CLIENT REVIEW	CT	
D	15.08.2024	ISSUE FOR APPROVAL	CT	

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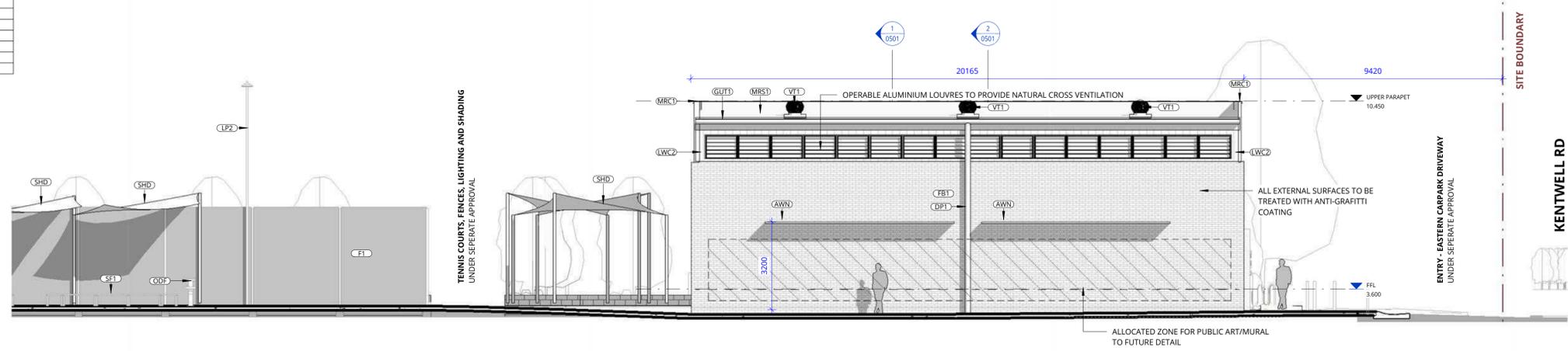
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ELEVATIONS - SHEET 1
WARRINGAH RECREATION CENTRE
KENNELL RD AT FITZWATER RD
NORTH MANLY NSW 2095
Lot 2742 DP 752038
COMMENCEMENT DATE: SEPT 2023 SCALE

SHEET NUMBER: 2950 / 0401 / D

KEYNOTES	
AWN	AWNING - TYPE 1
CON1	CONCRETE - TYPE 1
CON2	CONCRETE - TYPE 2
DP1	DOWNPIPE - TYPE 1
DP2	DOWNPIPE - TYPE 2
F1	FENCE - TYPE 1
FB1	FACE BRICK - TYPE 1
GLT1	GUTTER - TYPE 1
GLT2	GUTTER - TYPE 2
H1	HANDRAIL - TYPE 1
LP1	LIGHT POLE - TYPE 1
LP2	LIGHT POLE - TYPE 2
LWC1	LIGHT WEIGHT CLADDING - TYPE 1
LWC2	LIGHT WEIGHT CLADDING - TYPE 2
LWC3	LIGHT WEIGHT CLADDING - TYPE 3
MRC1	METAL ROOF CAPPING - TYPE 1
MRF	METAL ROOF FLASHING
MRS1	METAL ROOF SHEETING - TYPE 1
ODF	OUTDOOR DRINKING FOUNTAIN
SF1	STREET FURNITURE - TYPE 1
SHD	SHADING ELEMENT
VT1	VENT - TYPE 1
VT2	VENT - TYPE 2



1 ELEVATION - WEST
0200b SCALE 1 : 100


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 DA NUMBER: DA2024/1171
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2 ELEVATION - NORTH
0200b SCALE 1 : 100

REV	DATE	DESCRIPTION	BY	CHK
A	22.05.2024	CONCEPT DESIGN	CT	
B	02.07.2024	FOR CLIENT REVIEW	CT	
C	29.07.2024	FOR CLIENT REVIEW	CT	
D	15.08.2024	ISSUE FOR APPROVAL	CT	

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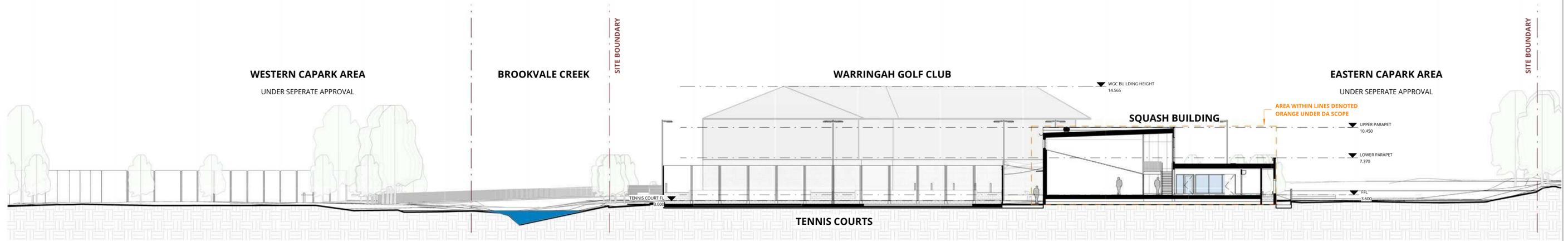
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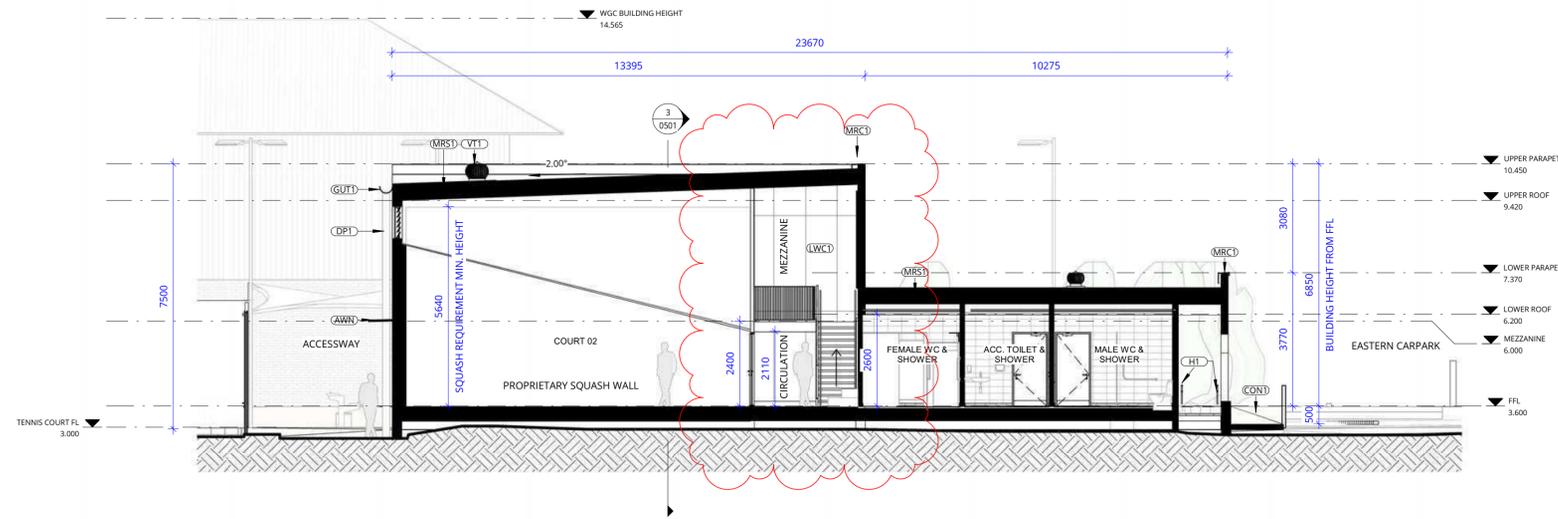
ELEVATIONS - SHEET 2
WARRINGAH RECREATION CENTRE
KENTWELL RD AT FITZWATER RD
NORTH MANLY NSW 2095
Lot 2742 DP 752038
COMMENCEMENT DATE: SEPT 2023 SCALE

KEYNOTES	
ACW1	ACOUSTIC WALL - TYPE 1
AWN	AWNING - TYPE 1
CON1	CONCRETE - TYPE 1
DP1	DOWNPIPE - TYPE 1
GUT1	GUTTER - TYPE 1
HT	HANDRAIL - TYPE 1
LWC1	LIGHT WEIGHT CLADDING - TYPE 1
MRC1	METAL ROOF CAPPING - TYPE 1
MRS1	METAL ROOF SHEETING - TYPE 1
VT1	VENT - TYPE 1

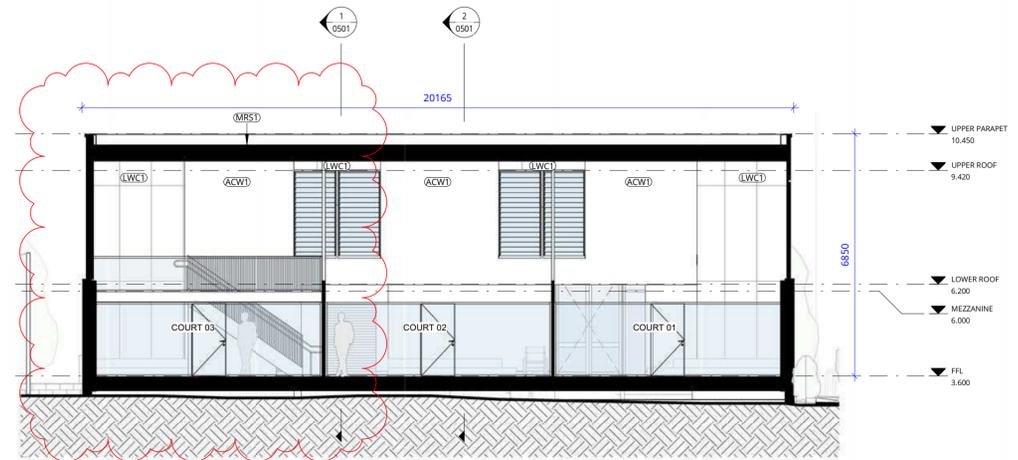

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1 LONG SECTION - SITE FROM KENTWELL
 0401 SCALE 1 : 200



2 LONG SECTION - BUILDING
 0301 SCALE 1 : 100



3 SHORT SECTION - BUILDING
 0301 SCALE 1 : 100

REV	DATE	DESCRIPTION	BY	CHK
A	22.05.2024	CONCEPT DESIGN	CT	
B	02.07.2024	FOR CLIENT REVIEW	CT	
C	29.07.2024	FOR CLIENT REVIEW	CT	
D	15.08.2024	ISSUE FOR APPROVAL	CT	
E	30.01.2025	FOR COORDINATION	SP	
F	03.02.2025	DA BRI	SP	

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PRINT DATE: 3/02/2025 10:15:55 AM FILE PATH: C:\Users\SINDUPONCHITTRAVEL\Documents\2950_250124_Warringah Rec_Updated DA_central_R23_2indu52UG.rvt



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 SHEET NUMBER: 2950 / 0501 / F

SECTIONS - SHEET 1
WARRINGAH RECREATION CENTRE
 KENTWELL RD AT PITWATER RD
 NORTH MANLY NSW 2095
 COMMENCEMENT DATE: SEPT 2023 SCALE

PROPOSED EXTERNAL FINISHES PALETTE



FRONT ENTRY SQUASH BUILDING - 3D VISUAL PERSPECTIVE ONLY



WEST FACADE SQUASH BUILDING - 3D VISUAL PERSPECTIVE ONLY



(1) **LWC1**
POLYCARBONATE
LIGHTWEIGHT PANEL
CLADDING IN SOFTLITE ICE

(2) **FB1**
LIGHT
COLOURED
FACE BRICK

(3) **LWC2**
RIBBED
LIGHTWEIGHT
METAL CLADDING
IN SURFMIST

(4) **METAL ELEMENTS:**
WINDOW FRAMES,
DOWN PIPES, GUTTERS,
ETC IN SURFMIST

(5) **CLEAR GLAZING**

(6) **LWC3**
CONTRASTING
CLADDING IN
ORANGE

(7) **CON2**
CONCRETE SLAB

(8) **AWN**
BRACKETLESS
AWNING SYSTEM
IN SURFMIST

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DA NUMBER: DA2024/1171
(Activation of consent must be obtained from Northern Beaches Council)

REV	DATE	DESCRIPTION	BY	CHK
A	22.05.2024	CONCEPT DESIGN	CT	
B	02.07.2024	FOR CLIENT REVIEW	CT	
C	10.07.2024	FOR CLIENT REVIEW	CT	
D	29.07.2024	FOR CLIENT REVIEW	CT	
E	15.08.2024	ISSUE FOR APPROVAL	CT	

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SHEET NUMBER: 2950 / 1001 / E

MATERIALS PALETTE - SHEET 1
WARRINGAH RECREATION CENTRE
KENTWELL RD AT FITZWATER RD
NORTH MANLY NSW 2095
Lot 2742 DP 752038

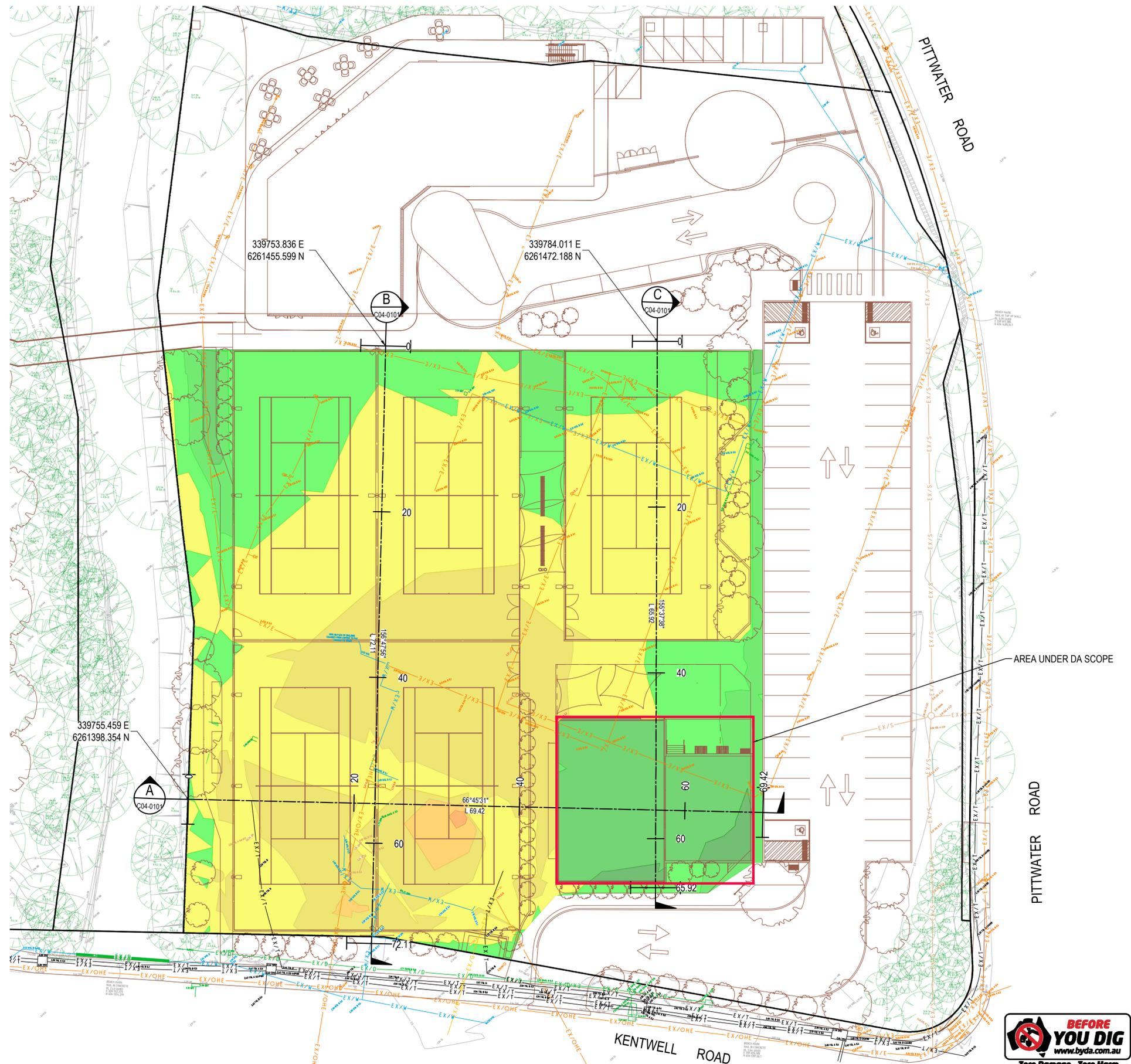
COMMENCEMENT DATE: SEPT 2023 SCALE

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NOTE: EARTHWORKS VOLUME BELOW DEMONSTRATES THE COMPENSATORY CUT GENERATED. VOLUME DISPLACED DUE TO FILLING OVER THE FLOOD STORAGE IN GOLF CLUB SITE BY STELLEN, EASTERN CARPARK BY COUNCIL AND PROPOSED SQUASH COURT BUILDING RESPECTIVELY ARE SUMMED UP BELOW:
 100 YEAR FLOOD LEVEL RL3.2 = 524 CUM (264+165+95)
 100 YEAR FLOOD LEVEL RL3.3 = 853 CUM (478+240+135)

CUT / FILL QUANTITIES	
TOTAL CUT (FROM EXISTING TO FINISH LEVEL)	-616m ³ ACHIEVED COMPENSATORY CUT
TOTAL FILL (FROM EXISTING TO FINISH LEVEL)	488m ³
CUT/FILL BALANCE	128m ³ (CUT)

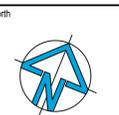
LEGEND			
CUT		FILL	
-8.00 to -6.50 m		0.00 to 0.25 m	
-6.50 to -5.00 m		0.25 to 0.50 m	
-5.00 to -4.00 m		0.50 to 0.75 m	
-4.00 to -3.00 m		0.75 to 1.00 m	
-3.00 to -2.50 m		1.00 to 1.50 m	
-2.50 to -2.00 m		1.50 to 2.00 m	
-2.00 to -1.50 m		2.00 to 2.50 m	
-1.50 to -1.00 m		2.50 to 3.00 m	
-1.00 to -0.75 m		3.00 to 4.00 m	
-0.75 to -0.50 m		4.00 to 5.00 m	
-0.50 to -0.25 m		5.00 to 6.50 m	
-0.25 to 0.00 m		6.50 to 8.00 m	



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SCALE 1:250 @ A1
 SCALE 1:500 @ A3

Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DA	30.07.24	JK	GL
A	ISSUE FOR 30% DESIGN	10.07.24	DW	RT



Scale

PRINT IN COLOUR



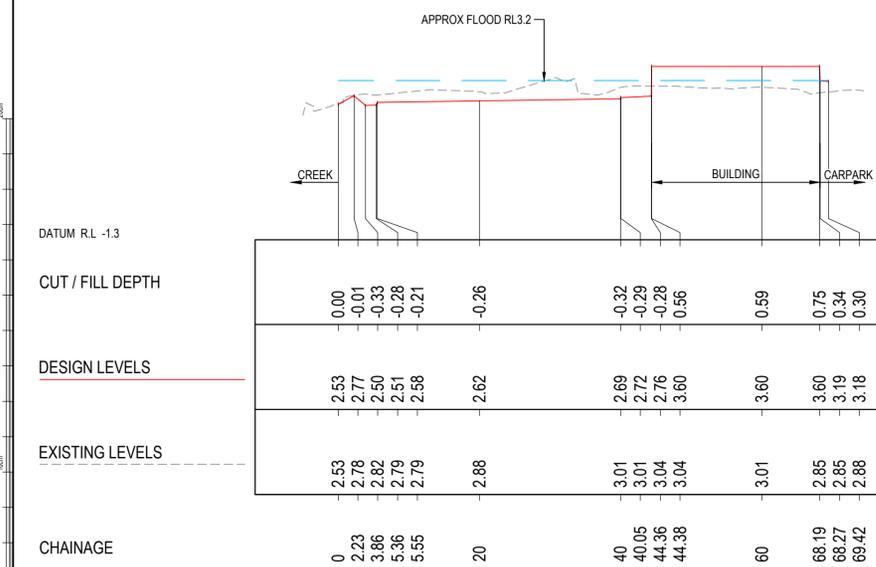
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Project: WARRINGAH RECREATION CENTRE
 KENTWELL RD AT PITTWATER RD, NORTH MANLY
 Lot 2742 DP 752038
NOT FOR CONSTRUCTION

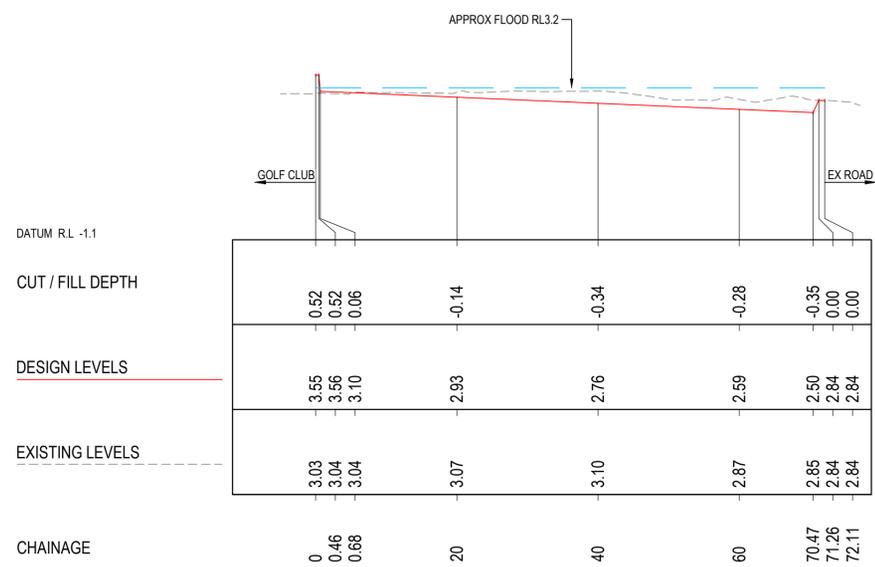
Drawing Title				
CIVIL SERVICES BULK EARTHWORKS PLAN				
Drawn	Design	O.A. Check	Date	Scale @ A1
DW	DV	GL	30.07.24	1:250
Project No.	Drawing No.	Issue		
NA240429	C04-0001	B		


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 DA NUMBER: DA2024/1171
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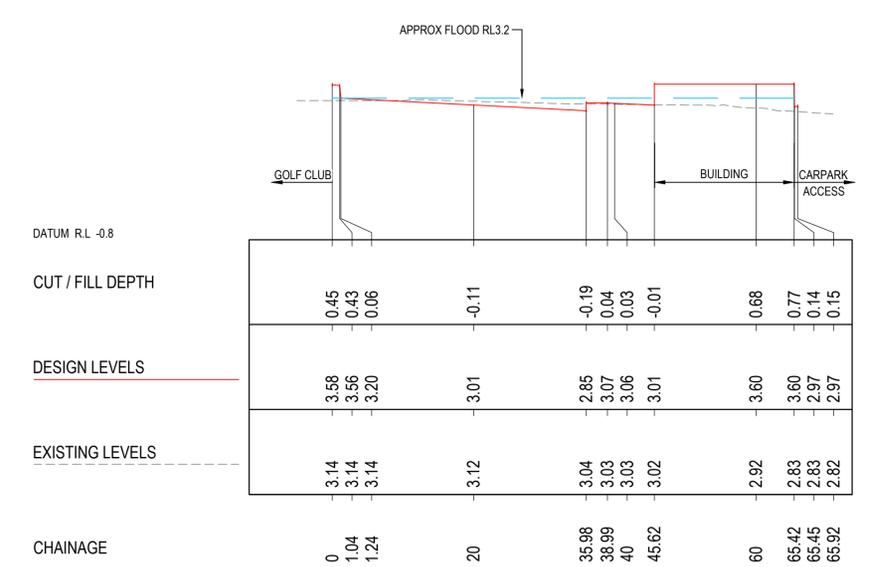
SITE SECTION - SECTION A

A1 Horizontal Scale 1 : 500
A1 Vertical scale 1 : 100



SITE SECTION - SECTION B

A1 Horizontal Scale 1 : 500
A1 Vertical scale 1 : 100



SITE SECTION - SECTION C

A1 Horizontal Scale 1 : 500
A1 Vertical scale 1 : 100



Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DA	30.07.24	JK	GL
A	ISSUE FOR 30% DESIGN	10.07.24	DW	RT

North

Scale

Client

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NSW GOVERNMENT

northern beaches council

Architect

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Project

WARRINGAH RECREATION CENTRE

KENTWELL RD AT PITTWATER RD, NORTH MANLY
Lot 2742 DP 752038

NOT FOR CONSTRUCTION

Drawn	Designed	O.A. Check	Date	Scale @ A1
DW	DV	GL	30.07.24	AS SHOWN
Project No.	Drawing No.	Issue		
NA240429	C04-0101	B		

EXISTING SERVICES LEGEND

— EX/S — EX/S —	EXISTING SEWER
— EX/G — EX/G —	EXISTING GAS
— EX/E — EX/E —	EXISTING ELECTRICITY
— EX/OHE — EX/OHE —	EXISTING ELECTRICITY (OH)
— EX/D — EX/D —	EXISTING STORMWATER
— EX/C — EX/C —	EXISTING COMMS
— EX/T — EX/T —	EXISTING TELSTRA
— EX/W — EX/W —	EXISTING WATER
○ 3.54 SP	EXISTING SEWER MANHOLE
□ 2.76 GM	EXISTING SEWER INSPECTION
□ 3.11 EPMT	EXISTING GAS METER
□ EOM	EXISTING ELECTRICAL PIT
— LP	EXISTING ELECTRICAL CABLE MARKER
— PP	EXISTING LIGHT POLE
○ 3.07 DRN	EXISTING POWER POLE
○ 3.55 SWMH	EXISTING GRATED DRAIN
□ 2.06 GRT	EXISTING STORMWATER MANHOLE
□ 1.84 PIT	EXISTING STORMWATER GRATE
□ 2.65 TPIT	EXISTING STORMWATER PIT
□ 2.76 WM	EXISTING TELSTRA PIT
□ 3.37 MV	EXISTING WATER METER
— 2.12 TAP	EXISTING WATER VALVE
● 2.53 HYD	EXISTING WATER TAP
● 2.32 SVA	EXISTING WATER HYDRANT
	EXISTING WATER STOP VALVE

CIVIL LEGEND

— FALL —	INDICATIVE DIRECTION OF FALL
FFL 3.6	FINISHED FLOOR LEVEL
• P2.8	FINISHED SURFACE LEVEL
GD1	GRATED DRAIN AND TYPE
—	STORMWATER DRAINAGE HEADWALL (REFER STORMWATER DRAINAGE STRUCTURES/PIT SCHEDULE)
A3	STORMWATER DRAINAGE STRUCTURE WITH NUMBER (REFER STORMWATER DRAINAGE STRUCTURES/PIT SCHEDULE)
—	STORMWATER DRAINAGE LINE
RW1	PROPOSED RETAINING WALL

SOIL EROSION AND SEDIMENT CONTROL LEGEND

— / —	SEDIMENT FENCE
□ ○	WRAP INLET GRATE IN FILTER FABRIC. PROVIDE AT ALL EXISTING SURFACE STORMWATER PITS, RAINWATER OUTLETS AND TRENCH DRAINS.
—	SAND BAG SEDIMENT TRAP
—	STABILISED CONSTRUCTION EXIT
—	ROCK CHECK DAM
→	CLEAN WATER CUT OFF DRAIN
—	LEVEL SPREADER
—	SEDIMENT BASIN
—	TEMPORARY STOCKPILE WITH SEDIMENT FENCE SURROUND



THIS PLAN IS TO BE READ IN CONJUNCTION WITH DEFERRED COMMENCEMENT CONSENT

 DA NUMBER: DA2024/1171

 (Activation of consent must be obtained from Northern Beaches Council)



Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DA	30.07.24	JK	GL
A	ISSUE FOR 30% DESIGN	10.07.24	DW	RT

North

Scale

Client




PRINT IN COLOUR

Architect

WEBBER ARCHITECTS



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Project

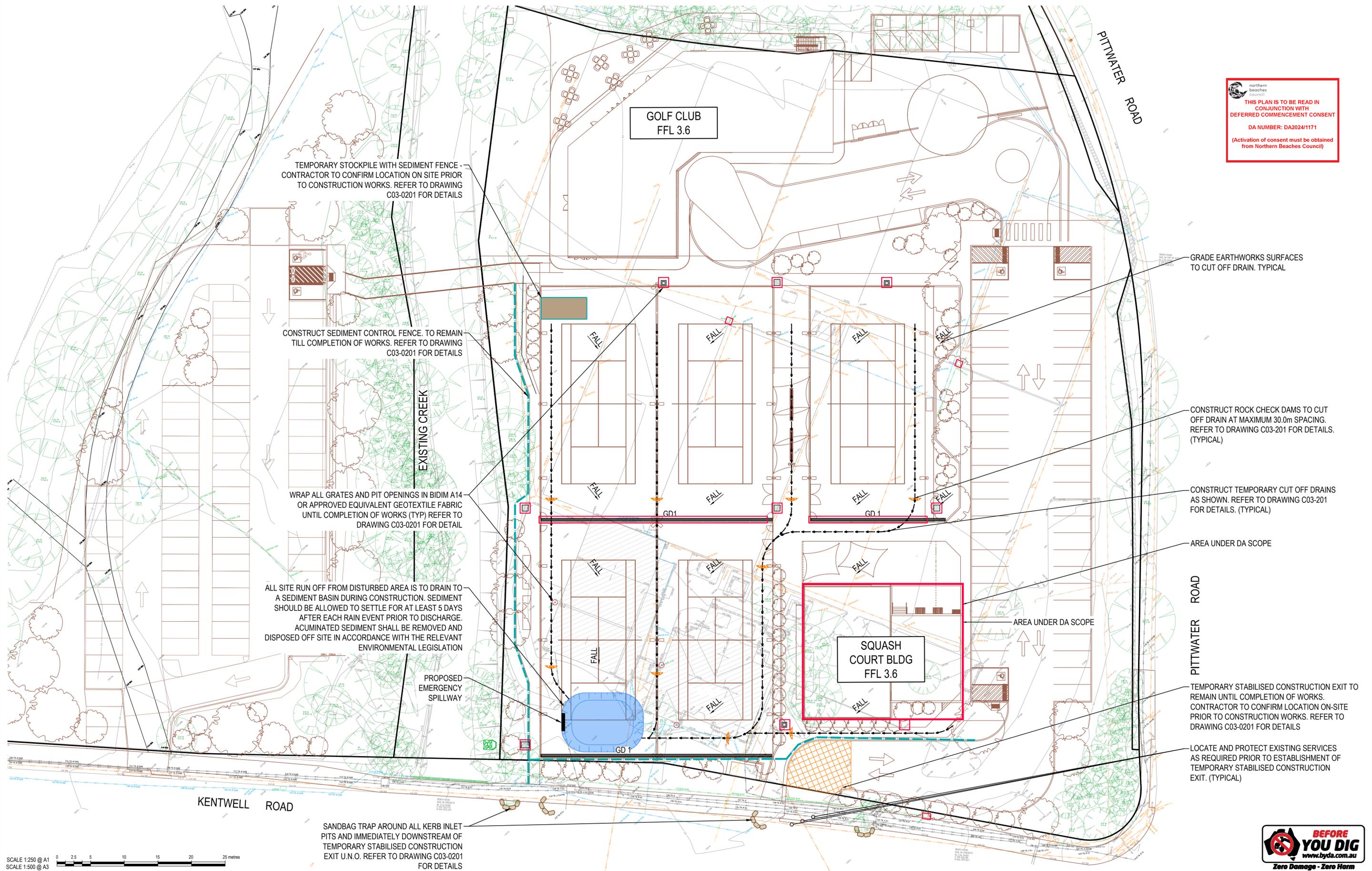
WARRINGAH RECREATION CENTRE

KENTWELL RD AT PITTWATER RD, NORTH MANLY
Lot 2742 DP 752038

Drawn	Designed	O.A. Check	Date	Scale @ A1
DW	DV	GL	30.07.24	NA
Project No.	Drawing No.	Issue		
NA240429	C01-0101	B		

NOT FOR CONSTRUCTION

northern beaches council
THIS PLAN IS TO BE READ IN CONJUNCTION WITH DEFERRED COMMENCEMENT CONSENT
 DA NUMBER: DA2024/1171
 (Activation of consent must be obtained from Northern Beaches Council)



SCALE 1:250 @ A1
 SCALE 1:500 @ A3

North	Scale	Client
Architect	Project	Drawing Title
WEBBER ARCHITECTS	WARRINGAH RECREATION CENTRE	CIVIL SERVICES SOIL EROSION AND SEDIMENT CONTROL PLAN
SUITE 206, 8 CLARKE STREET CROWS NEST NSW 2065 T: (02) 4926 1078 E: sydney@webberarchitects.com	KENTWELL RD AT PITWATER RD, NORTH MANLY Lot 2742 DP 752038	Drawn: DW Designed: DV O.A. Check: GL Date: 30.07.24 Scale @ A1: 1:250
		Project No: NA240429 Drawing No: C03-0001 Issue: B

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NSW GOVERNMENT
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Project: WARRINGAH RECREATION CENTRE
 KENTWELL RD AT PITWATER RD, NORTH MANLY
 Lot 2742 DP 752038

NOT FOR CONSTRUCTION

Drawn: DW
 Designed: DV
 O.A. Check: GL
 Date: 30.07.24
 Scale @ A1: 1:250
 Project No: NA240429
 Drawing No: C03-0001
 Issue: B



EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THIS SOIL AND WATER MANAGEMENT PLAN IS TO BE READ IN CONJUNCTION WITH OTHER ENGINEERING PLANS RELATING TO THIS DEVELOPMENT.
2. CONTRACTORS WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE UNDERTAKEN AS INSTRUCTED IN THIS SPECIFICATION AND CONSTRUCTED FOLLOWING THE GUIDELINES OF "MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION", DEPT OF HOUSING, 2004 (BLUE BOOK).
3. ALL SUBCONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES IN REDUCING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.

LAND DISTURBANCE INSTRUCTIONS

1. DISTURBANCE TO BE NO FURTHER THAN 5 (PREFERABLY 2) METRES FROM THE EDGE OF ANY ESSENTIAL ENGINEERING ACTIVITY AS SHOWN ON APPROVED PLANS. ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE ZONES THAT, WHERE APPROPRIATE, ARE IDENTIFIED WITH BARRIER FENCING (UPSLOPE) AND SEDIMENT FENCING (DOWNSLOPE) OR SIMILAR MATERIALS.
2. ACCESS AREAS ARE TO BE LIMITED TO A MAXIMUM WIDTH OF 10 METRES THE SITE MANAGER WILL DETERMINE AND MARK THE LOCATION OF THESE ZONES ON-SITE. ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE BOUNDARIES THAT, WHERE APPROPRIATE, ARE IDENTIFIED WITH BARRIER FENCING (UPSLOPE) AND SEDIMENT FENCING (DOWNSLOPE) OR SIMILAR MATERIALS.
3. ENTRY TO LANDS NOT REQUIRED FOR CONSTRUCTION OR ACCESS IS PROHIBITED EXCEPT FOR ESSENTIAL THINNING OF PLANT GROWTH.
4. WORKS ARE TO PROCEED IN THE FOLLOWING SEQUENCE:
 - a. INSTALL ALL BARRIER AND SEDIMENT FENCING WHERE SHOWN ON THE PLAN.
 - b. CONSTRUCT THE STABILISED SITE ACCESS.
 - c. CONSTRUCT DIVERSION DRAINS AS REQUIRED.
 - d. INSTALL MESH AND GRAVEL INLETS FOR ANY ADJACENT KERB INLETS.
 - e. INSTALL GEOTEXTILE INLET FILTERS AROUND ANY ON-SITE DROP INLET PITS.
 - f. CLEAR SITE AND STRIP AND STOCKPILE TOPSOIL IN LOCATIONS SHOWN ON THE PLAN.
 - g. UNDERTAKE ALL ESSENTIAL CONSTRUCTION WORKS ENSURING THAT ROOF AND/OR PAVED AREA STORMWATER SYSTEMS ARE CONNECTED TO PERMANENT DRAINAGE AS SOON AS PRACTICABLE.
 - h. GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 20 DAYS OF COMPLETION OF CONSTRUCTION WORKS.
 - i. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
5. ENSURE THAT SLOPE LENGTHS DO NOT EXCEED 80 METRES WHERE PRACTICABLE. SLOPE LENGTHS ARE DETERMINED BY SILTATION FENCING AND CATCH DRAIN SPACING. 6. ON COMPLETION OF MAJOR WORKS LEAVE DISTURBED LANDS WITH A SCARIFIED SURFACE TO ENCOURAGE WATER INFILTRATION AND ASSIST WITH KEYING TOPSOIL LATER.

EROSION AND SEDIMENT CONTROL NOTES Cont.

SITE INSPECTION AND MAINTENANCE INSTRUCTIONS

1. THE SITE PRINCIPAL'S REPRESENTATIVE WILL INSPECT THE SITE AT LEAST WEEKLY AND AT THE CONCLUSION OF EVERY STORM EVENT TO:
 - a. ENSURE THAT DRAINS OPERATE PROPERLY AND TO EFFECT ANY NECESSARY REPAIRS.
 - b. REMOVE SPILLED SAND OR OTHER MATERIALS FROM HAZARD AREAS, INCLUDING LANDS CLOSER THAN 5 METRES FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS ESPECIALLY WATERWAYS AND PAVED AREAS.
 - c. REMOVE TRAPPED SEDIMENT WHENEVER THE DESIGN CAPACITY OF THAT STRUCTURE HAS BEEN EXCEEDED.
 - d. ENSURE REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND TO INITIATE UPGRADING OR REPAIR AS NECESSARY.
 - e. CONSTRUCT ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED PROTECTION IS GIVEN TO DOWNSLOPE LANDS AND WATERWAYS. MAKE ONGOING CHANGES TO THE PLAN WHERE IT PROVES INADEQUATE IN PRACTICE OR IS SUBJECTED TO CHANGES IN CONDITIONS ON THE WORK-SITE OR ELSEWHERE IN THE CATCHMENT.
 - f. MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED.
2. THE PRINCIPAL'S REPRESENTATIVE WILL KEEP A LOGBOOK MAKING ENTRIES AT LEAST WEEKLY, IMMEDIATELY BEFORE FORECAST RAIN AND AFTER RAINFALL. ENTRIES WILL INCLUDE:
 - a. THE VOLUME AND INTENSITY OF ANY RAINFALL EVENTS.
 - b. THE CONDITION OF ANY SOIL AND WATER MANAGEMENT WORKS.
 - c. THE CONDITION OF VEGETATION AND ANY NEED TO IRRIGATE.
 - d. THE NEED FOR DUST PREVENTION STRATEGIES.
 - e. ANY REMEDIAL WORKS TO BE UNDERTAKEN. THE LOGBOOK WILL BE KEPT ON-SITE AND MADE AVAILABLE TO ANY AUTHORISED PERSON UPON REQUEST. IT WILL BE GIVEN TO THE PROJECT MANAGER AT THE CONCLUSION OF THE WORKS.

SEDIMENT CONTROL INSTRUCTIONS

1. SEDIMENT FENCES WILL BE INSTALLED AS SHOWN ON THE PLAN AND ELSEWHERE AT THE DISCRETION OF THE PRINCIPAL'S REPRESENTATIVE TO CONTAIN SOIL AS NEAR AS POSSIBLE TO THEIR SOURCE.
2. SEDIMENT FENCES WILL NOT HAVE CATCHMENT AREAS EXCEEDING 900 SQUARE METRES AND HAVE A STORAGE DEPTH OF AT LEAST 0.6 METRES.
3. SEDIMENT REMOVED FROM ANY TRAPPING DEVICES WILL BE RELOCATED WHERE FURTHER POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS CAN NOT OCCUR.
4. STOCKPILES ARE NOT TO BE LOCATED WITHIN 5 METRES OF HAZARD AREAS INCLUDING AREAS OF HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS AND DRIVEWAYS.
5. WATER WILL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR WATER HAS BEEN TREATED BY AN APPROVED DEVICE.
6. TEMPORARY SEDIMENT TRAPS WILL REMAIN IN PLACE UNTIL AFTER THE LANDS THEY ARE PROTECTING ARE COMPLETELY REHABILITATED.
7. ACCESS TO SITES SHOULD BE STABILISED TO REDUCE THE LIKELIHOOD OF VEHICLES TRACKING SOIL MATERIALS ONTO PUBLIC ROADS AND ENSURE ALL-WEATHER ENTRY/EXIT.

EROSION AND SEDIMENT CONTROL NOTES Cont.

SOIL EROSION CONTROL INSTRUCTIONS

1. EARTH BATTERS WILL BE CONSTRUCTED WITH AS LOW A GRADIENT AS PRACTICABLE BUT NO STEEPER, UNLESS OTHERWISE NOTED, THAN:
 - a. 2(H):1(V) WHERE SLOPE LENGTH LESS THAN 12 METRES
 - b. 2.5(H):1(V) WHERE SLOPE LENGTH BETWEEN 12 AND 16 METRES.
 - c. 3(H):1(V) WHERE SLOPE LENGTH BETWEEN 16 AND 20 METRES.
 - d. 4(H):1(V) WHERE SLOPE LENGTH GREATER THAN 20 METRES.
2. ALL WATERWAYS, DRAINS, SPILLWAYS AND THEIR OUTLETS WILL BE CONSTRUCTED TO BE STABLE IN AT LEAST THE 1:20 YEAR ARI, TIME OF CONCENTRATION STORM EVENT.
3. WATERWAYS AND OTHER AREAS SUBJECT TO CONCENTRATED FLOWS AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND COVER C-FACTOR OF 0.05 (70% GROUND COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION. FLOW VELOCITIES ARE TO BE LIMITED TO THOSE SHOWN IN TABLE 5-1 OF "MANAGING URBAN STORMWATER -SOILS AND CONSTRUCTION", DEPT OF HOUSING 2004 (BLUE BOOK). FOOT AND VEHICULAR TRAFFIC WILL BE PROHIBITED IN THESE AREAS.
4. STOCKPILES AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND-COVER C-FACTOR OF 0.1 (60% GROUND-COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION.
5. ALL LANDS, INCLUDING WATERWAYS AND STOCKPILES, DURING CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND-COVER C-FACTOR OF 0.15 (50% GROUND COVER) WITHIN 20 WORKING DAYS FROM INACTIVITY EVEN THOUGH WORKS MAY CONTINUE LATER.
6. FOR AREAS OF SHEET FLOW USE THE FOLLOWING GROUND COVER PLANT SPECIES FOR TEMPORARY COVER: JAPANESE MILLET 20 KG/HA AND OATS 20 KG/HA.
7. PERMANENT REHABILITATION OF LANDS AFTER CONSTRUCTION WILL ACHIEVE A GROUND-COVER C-FACTOR OF LESS THAN 0.1 AND LESS THAN 0.05 WITHIN 60 DAYS. NEWLY PLANTED LANDS WILL BE WATERED REGULARLY UNTIL AN EFFECTIVE COVER IS ESTABLISHED AND PLANTS ARE GROWING VIGOROUSLY. FOLLOW-UP SEED AND FERTILISER WILL BE APPLIED AS NECESSARY.
8. RE-VEGETATION SHOULD BE AIMED AT RE-ESTABLISHING NATURAL SPECIES. NATURAL SURFACE SOILS SHOULD BE REPLACED AND NON-PERSISTENT ANNUAL COVER CROPS SHOULD BE USED.

WASTE CONTROL INSTRUCTIONS

1. ACCEPTABLE BINS WILL BE PROVIDED FOR ANY CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHING, LIGHTWEIGHT WASTE MATERIALS AND LITTER. CLEARANCE SERVICES WILL BE PROVIDED AT LEAST WEEKLY. DISPOSAL OF WASTE WILL BE IN A MANNER APPROVED BY THE PRINCIPAL'S REPRESENTATIVE.
2. ALL POSSIBLE POLLUTANT MATERIALS ARE TO BE STORED WELL CLEAR OF ANY POORLY DRAINED AREAS, FLOOD PRONE AREAS, STREAMBANKS, CHANNELS AND STORMWATER DRAINAGE AREAS. STORE SUCH MATERIALS IN A DESIGNATED AREA UNDER COVER WHERE POSSIBLE AND WITHIN CONTAINMENT BUNDS.
3. ALL SITE STAFF AND SUB-CONTRACTORS ARE TO BE INFORMED OF THEIR OBLIGATION TO USE WASTE CONTROL FACILITIES PROVIDED.
4. ANY DE-WATERING ACTIVITIES ARE TO BE CLOSELY MONITORED TO ENSURE THAT WATER IS NOT POLLUTED BY SEDIMENT, TOXIC MATERIALS OR PETROLEUM PRODUCTS.
5. PROVIDE DESIGNATED VEHICULAR WASHDOWN AND MAINTENANCE AREAS WHICH ARE TO HAVE CONTAINMENT BUNDS.



Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DA	30.07.24	JK	GL
A	ISSUE FOR 30% DESIGN	10.07.24	DW	RT

North

Scale

Client

PRINT IN COLOUR

Architect

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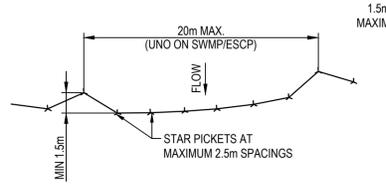
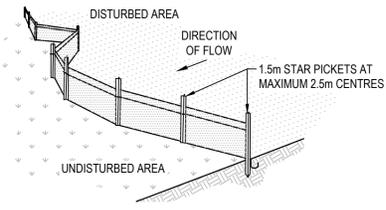
Project

WARRINGAH RECREATION CENTRE

KENTWELL RD AT PITTWATER RD, NORTH MANLY
Lot 2742 DP 752038

Drawing Title CIVIL SERVICES SOIL EROSION AND SEDIMENT CONTROL NOTES			
Drawn DW	Designed DV	O.A. Check GL	Date 30.07.24
Project No. NA240429	Drawing No. C03-0101	Scale @ A1 NA	Issue B





PLAN

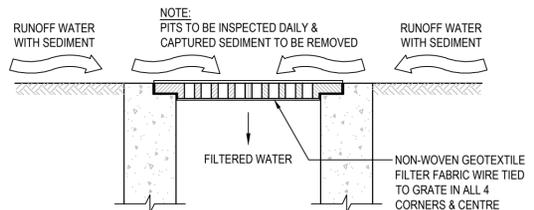
SECTION DETAIL

CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 2.5 METRES APART (MAX). ENSURE STAR PICKETS ARE FITTED WITH SAFETY CAPS.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

SEDIMENT CONTROL FENCE

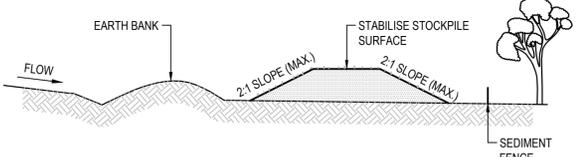
N.T.S.



INLET TRAP

N.T.S.
NOTE
TO BE USED IN PAVED AREAS WHERE TRAFFIC ACCESS IS REQUIRED

SOURCE:
MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION, THIRD EDITION, AUGUST 1998 PRODUCED BY THE DEPARTMENT OF HOUSING



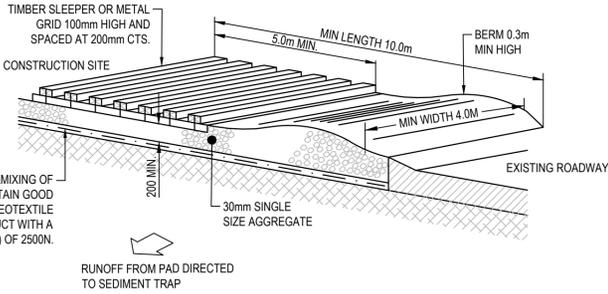
CONSTRUCTION NOTES

1. LOCATE STOCKPILE AT LEAST 5 METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND.
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METERS IN HEIGHT.
4. REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP.
5. CONSTRUCT EARTH BANK (STANDARD DRAWING 5-2) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (STANDARD DRAWING 6-7) 1 TO 2 METRES DOWNSLOPE OF STOCKPILE.

STOCKPILES

N.T.S.

NOTE
ENSURE THAT ALL UTILITY ASSETS ARE MAINTAINED AND PROTECTED AT ALL TIMES IN THE VICINITY OF THE TEMPORARY CONSTRUCTION EXIT



CONSTRUCTION NOTES

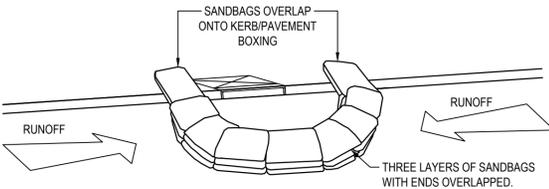
1. STRIP TOPSOIL AND LEVEL SITE.
2. COMPACT SUBGRADE.
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING 30mm SINGLE SIZE AGGREGATE.
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP WHERE THE SEDIMENT IS COLLECTED AND REMOVED.

MAINTENANCE NOTES

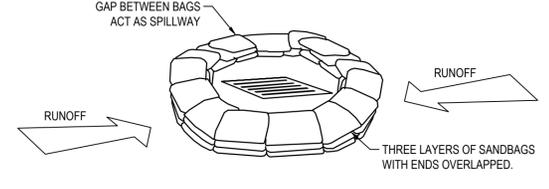
THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH PREVENTS TRACKING OR FLOWING OF SEDIMENT OFF THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED OFF THE CONSTRUCTION SITE MUST BE REMOVED IMMEDIATELY.

TEMPORARY STABILISED CONSTRUCTION EXIT

N.T.S.



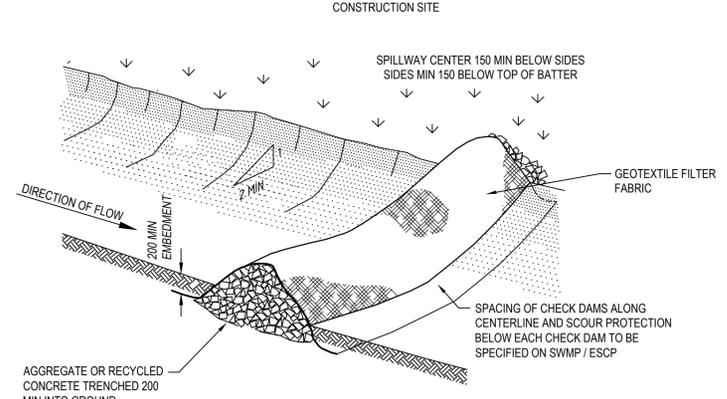
SANDBAG SEDIMENT TRAP - AT KERB SAG PIT



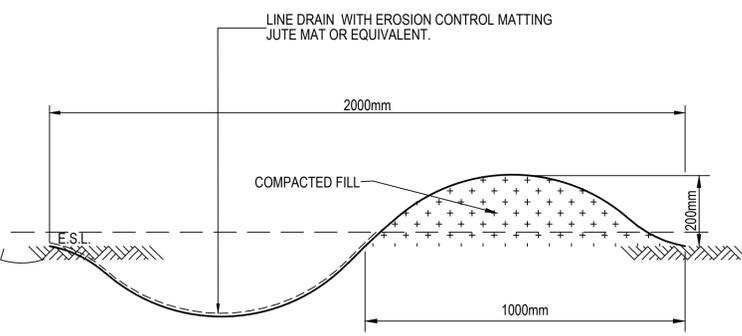
SANDBAG SEDIMENT TRAP - AT OTHER THAN KERB SAG PIT

SANDBAG SEDIMENT TRAP DETAILS

N.T.S.



CHECK DAM - ROCK



CUT-OFF DRAIN - 2.0m WIDE

N.T.S.

northern beaches council
THIS PLAN IS TO BE READ IN CONJUNCTION WITH DEFERRED COMMENCEMENT CONSENT
DA NUMBER: DA2024/1171
(Activation of consent must be obtained from Northern Beaches Council)



North		Scale		Client		Architect		Project		Drawing Title	
				NSW GOVERNMENT		webber ARCHITECTS		ACOR Consultants Pty Ltd		CIVIL SERVICES	
				northern beaches council		SUITE 206, 8 CLARKE STREET CROWS NEST NSW 2065		WARRINGAH RECREATION CENTRE		SOIL EROSION AND SEDIMENT CONTROL DETAILS	
				PRINT IN COLOUR		T: (02) 4926 1078 E: sydney@webberarchitects.com		KENTWELL RD AT PITTWATER RD, NORTH MANLY Lot 2742 DP 752038		Drawn DW	
								NOT FOR CONSTRUCTION		Designed DV	
										O.A. Check GL	
										Date 30.07.24	
										Scale @ A1 AS SHOWN	
										Issue B	
										Project No. NA240429	
										Drawing No. C03-0201	

PLANTING SCHEDULE			
Key	Botanical Name	Common Name	Mature Height / Mature Width
Trees			
A	Angophora costata	Smooth-barked Apple	20m / 12m
B	Banksia integrifolia	Coastal Banksia	8m / 5m
K	Brachychiton acerifolius	Illawarra Flame Tree	12m / 6m
C	Casuarina glauca	Swamp She-oak	12m / 5m
E	Leptospermum petersonii	Lemon scented tea-tree	3m / 2m
H	Eucalyptus haemastoma Melaleuca	Scribbly Gum	15m / 7m
M	quinquenervia Tristaniopsis laurina	Broad Leafed Paperbark	12m / 4m
T	'Luscious'	Luscious	10m / 5m
Tall Screening Plants			
As	Acmena 'Purple Rain'	Lilly Pilly	3m / 2m
W	Syzygium 'Resilience'	Lilly Pilly	3m / m
Brookvale Creek - Grasses and Ground covers			
Ca	Carex appressa	Tall Sedge	1m / 0.5m
Gc	Gahnia clarkiei	Tall Saw Sedge	1.5m / 0.7m
Ic	Imperata cylindrica	Red Cotton Grass	1m / 0.5m
JK	Juncus kraussii sp. australiensis	Sea Rush	1m / 0.7m
Kr	Kennedia rubicunda	Dusky Coral Pea	0.2m / 5m
Vh	Viola hederacea	Native Violet	0.1m / 0.5m
Shrubs, Grasses and Groundcovers			
Cg	Carprobotus 'Aussie Rambler'	Pigface	0.2m / 1m
Cv	Callistemon linearifolius	Nettled bottlebrush	4m / 3m
Cc	Commelina cyanea	Scurvy Weed	0.1m / 2m
Co	Correa alba	White Correa	1.5m / 1.5m
Cp	Crimum pedunculatum	Swamp Lily	2m / 1.5m
Dc	Dianella caerulea	Blue Flax Lily	0.5m / 0.5m
De	Doryanthes excelsa	Gymea Lily	2m / 2m
Eg	Eremophila glabra prostrata	Emu Bush	0.2m / 1m
Hs	Hibbertia scandens	Snake Vine	0.3m / 3m
Le	Leptospermum 'Fore Shore'	Tea Tree	0.5m / 1m
LI	Lomandra longifolia 'Tanika'	Mat Rush	0.7m / 0.7m
Pe	Poa labillardieri 'Eskdale'	Tussock Grass	1m / 0.5m
Wf	Westringia fruticosa	Coastal Rosemary	1.5m / 1.5m
Wj	Westringia 'Jervis Gem'	Jervis Gem	1m / 1m

PLANT VISUAL SCHEDULE EXERPT			
	TREE A - ANGOPHORA COASTATA SHADE TREES		SHRUB De - DORYANTHES EXCELSA SHRUB BUFFER KENTWELL RD
	TREE B - BANKSIA INTEGRIFOLIA SHADE TREES		SHRUB Pe - POA LABILLARDIERI SHRUB BUFFER KENTWELL RD
	TREE K - BRACHYCHINTON ACERIFOLIUS FEATURE TREE		SCREENING PLANTS - WATERHOUSEA FLORIBUNDA MAIN THOROUGHFARE SCREENING PLANT TO TENNIS COURTS
	TREE T - TRISTANIOPSIS LAURINA SHADE TREES		TREE E - EUCALYPTUS PULVERULENTA TREES IN FRONT OF SQUASH BUILDING

WARRINGAH GOLF COURSE

PROPOSED SUPPLEMENTARY MIX OF NATIVE TREE SPECIES TO INCLUDE:
ANGOPHORA COSTATA
CASUARINA GLAUCA
EUCALYPTUS HAEMASTOMA

REFER PLANT SCHEDULE FOR DETAILS.

PROPOSED TRISTANIOPSIS LAURINA WITH CARPOBROTUS 'AUSSIE RAMBLER' BENEATH.
REFER PLANT SCHEDULE FOR DETAILS.

ALTERNATE AND STAGGERED PLANTING OF TRISTANIOPSIS LAURINA AND ANGOPHORA COSTATA TO PROVIDE AN INFORMAL DEFINITION TO THE CAR PARK BOUNDARY.

PROPOSED SUPPLEMENTARY NATIVE TREES BETWEEN THE CARPARK AND EXISTING TREES A MIX OF NATIVE TREE SPECIES TO INCLUDE:
ANGOPHORA COSTATA
CASUARINA GLAUCA
EUCALYPTUS HAEMASTOMA
MELALEUCA QUINQUINERVA
REFER PLANT SCHEDULE FOR DETAILS

PRUNE & REMOVE WEEDS AS RECOMMENDED BY ECOLOGIST.
REFER TO FLORA & FAUNA REPORT BY NARLA

MASS PLANTING TO EMBANKMENT TO INCLUDE LOW SHRUBS, GRASSES AND GROUNDCOVERS, INCLUDING:
CARPOBROTUS 'AUSSIE RAMBLER'
CRIMUM PEDUNCULATUM
DORYANTHES EXCELSA
POA LABILLARDIERI 'ESKDALE'
WESTRINGIA FRUTICOSA
REFER PLANT SCHEDULE FOR DETAILS.

MIXED NATIVE TREE PLANTING OF CASUARINA GLAUCA MELALEUCA QUINQUINERVA
LOW MASS PLANTING BENEATH OF GRASSES AND GROUNDCOVERS INCLUDING:
CAREX APPRESSA
GAHNIA CLARKEI
IMPERATA CYLINDRICA
JUNCUS KRAUSII SP AUSTRALIENSIS
KENNEDIA RUBICUNDA
VIOLA HEDERACEA
REFER PLANT SCHEDULE FOR DETAILS.

ARTIFICIAL GRASS TO MATCH SAND FILLED ARTIFICIAL GRASS (SFAG) TENNIS COURTS

PROPOSED SQUASH BUILDING
MASS PLANTING LEPTOSPERMUM PETERSONII (LEMON SCENTED TEA-TREE) WITH LOMANDRA LONGIFOLIA.

PROPOSED SHADE TREE PLANTING STAGGERED TO CREATE AN INFORMAL BUFFER TO INCLUDE:
ANGOPHORA COSTATA
BANKSIA INTEGRIFOLIA

MASS PLANTING BENEATH OF GROUND COVERS:
CARPOBROTUS 'AUSSIE RAMBLER'
COMMELINA CYANEA
EREMOPHILA GLABRA PROSTRATA 'SILVER SPREAD'
REFER PLANT SCHEDULE FOR DETAILS.

SANDSTONE LOGS TO FORM INFORMAL SEATING EDGE TO GARDEN.

PROPOSED SHADE TREE PLANTING OF TRISTANIOPSIS 'LUSCIOUS'
MASS PLANTING BENEATH OF GROUND COVERS:
HIBBERTIA SCANDENS
REFER PLANT SCHEDULE FOR DETAILS.

FEATURE TREE PLANTING OF BRACHYCHINTON.

MASS PLANTING BENEATH OF DIANELLA CAERULA.

northern beaches
THIS PLAN IS TO BE READ IN CONJUNCTION WITH DEFERRED COMMENCEMENT CONSENT
DA NUMBER: DA2024/1171
(Activation of consent must be obtained from Northern Beaches Council)

1 LANDSCAPE PLAN

0401 SCALE 1 : 300

REV	DATE	DESCRIPTION	BY	CHK
A	18.05.2024	ISSUED FOR COORDINATION	CT	
B	22.05.2024	CONCEPT DESIGN	CT	
C	02.07.2024	FOR CLIENT REVIEW	CT	
D	15.08.2024	ISSUE FOR APPROVAL	CT	

**DRAWINGS COLOUR CODED
PRINT ALL COPIES IN COLOUR**

BUILDER TO CONFIRM ALL DETAILS, SETOUTS (FILE, BUILDING, ETC.), FALLS, DIMENSIONS & CONNECTIONS ON SITE PRIOR TO CONSTRUCTION



webber

ISSUED FOR REF
NOT FOR CONSTRUCTION

SHEET NUMBER: 2950 / L01 / D

LANDSCAPE PLAN
WARRINGAH RECREATION CENTRE
KENTWELL RD AT PITWATER RD
NORTH MANLY NSW 2095
Lot 2742 DP 752038
COMMENCEMENT DATE: SEPT 2023 SCALE

