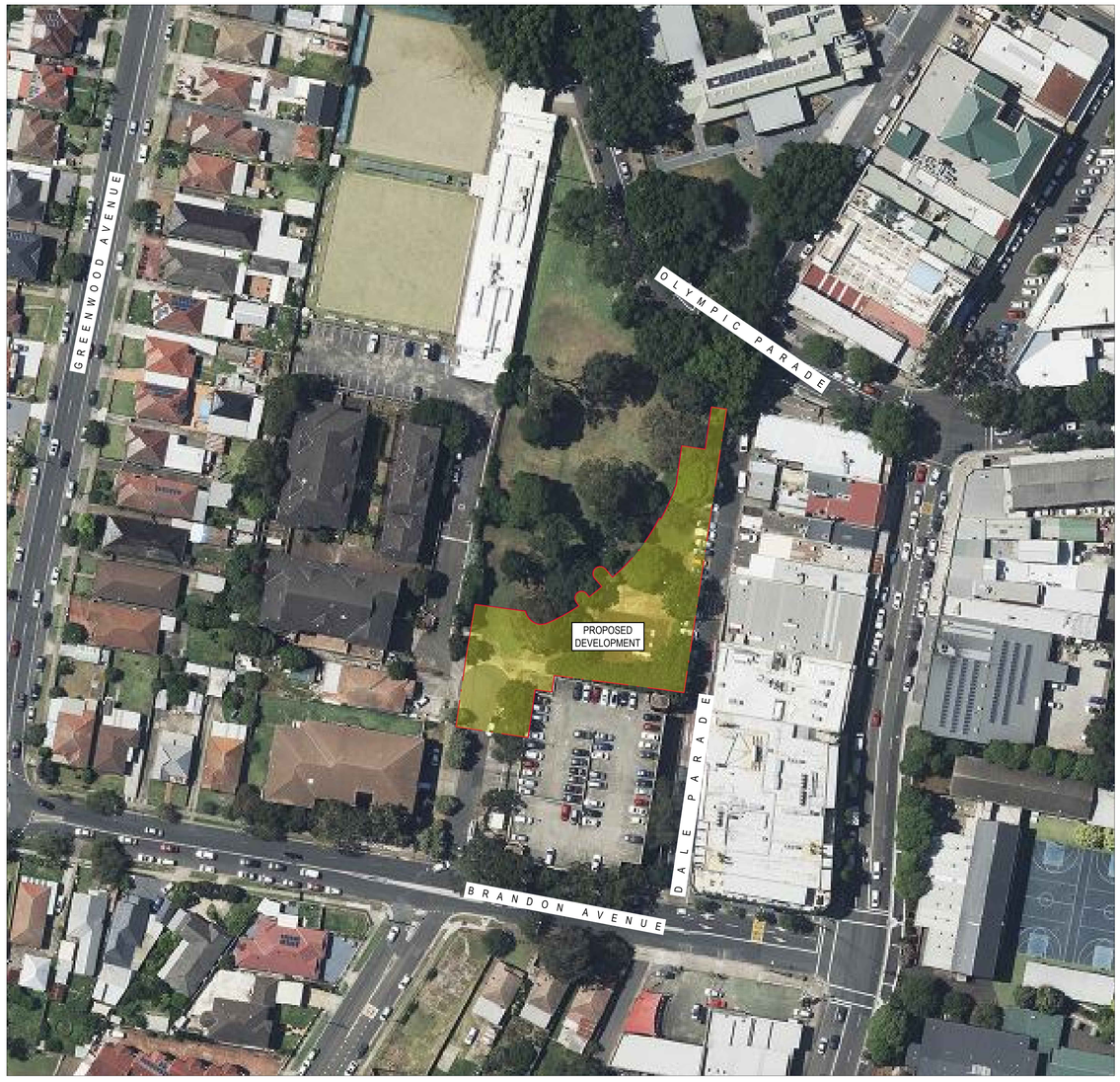
GRIFFITH PARK COMMUNITY CENTRE
4A OLYMPIC PARADE, BANKSTOWN NSW, 2200



LOCALITY PLAN
SOURCE: [SIXMAPS] - 14.05.2025
NOT TO SCALE

Sheet List Table	
Sheet Number	Sheet Title
CE000	COVER SHEET
CE100	STORMWATER PLAN
CE250	CATCHMENT PLAN AND RESULTS
CE300	SEDIMENT & EROSION CONTROL PLAN
CE350	SEDIMENT & EROSION CONTROL DETAILS

PRINTING NOTE:
THIS DRAWING TO BE PRINTED IN COLOUR.

BEFORE YOU DIG www.byda.com.au

DEVELOPMENT APPLICIATION

Revision	Description	Initial	Date
C	DEVELOPMENT APPLICATION	AD	08.07.2025
B	DEVELOPMENT APPLICATION	AD	07.07.2025
A	DEVELOPMENT APPLICATION	AD	22.05.2025

Client
CANTERBURY BANKSTOWN CITY COUNCIL
CIVIC TOWER, 66/72 RICKARD RD, BANKSTOWN NSW 2200

Architect
COLLINS AND TURNER
LEVEL 3 11-17 BUCKINGHAM ST, SURRY HILLS NSW 2010

ADP An ayesa company

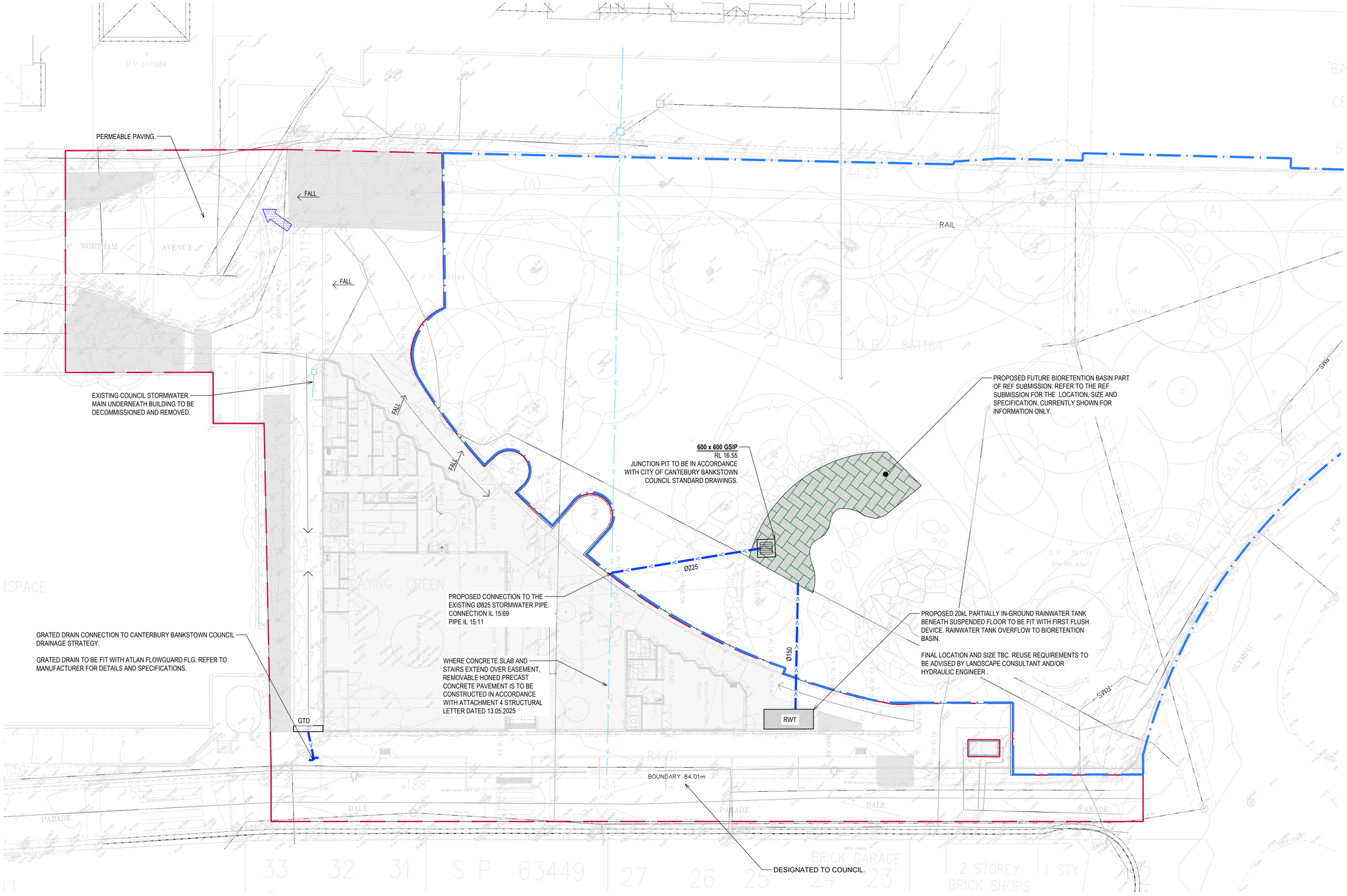
Inspire a better world through influence and design

Project
GRIFFITH PARK COMMUNITY CENTRE
GRIFFITH PARK COMMUNITY CENTRE
4A OLYMPIC PARADE, BANKSTOWN NSW 2200

Drawing Title
CIVIL ENGINEERING SERVICES
COVER SHEET

Drafted	Designed	Approved	Date	Scale	Sheet Size
AD	AY	SS	JULY 2025		@ A1

Job Number	Drawing Number	Revision	North Point
SYD2966	CE000	C	



LEGEND

- SITE BOUNDARY
- REF SCOPE
- EXISTING CONTOUR (0.25m) (35.50)
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- GRATED SURFACE INLET PIT
- GRATED DRAIN (GTD)
- FINISHED RL (RL X.XX)
- OVERLAND FLOW DIRECTION
- DIRECTION OF SLOPE (FALL)
- EXISTING ELECTRICAL LINE (E)
- EXISTING GAS LINE (G)
- EXISTING TELECOMMUNICATION LINE (T)
- EXISTING SEWER LINE (S)
- EXISTING WATER LINE (W)
- EXISTING FIBRE OPTIC LINE (FO)
- EXISTING OVERHEAD POWER LINE (OH)
- RAINWATER TANK (RWT)
- PROPOSED FUTURE BIORETENTION BASIN

NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
2. ALL REDUCED LEVELS ARE IN mAHD.
3. SURVEY INFORMATION OBTAINED FROM C-CIDE SURVEYOR'S DRAWING TITLED 'GRIFFITH PARK', DATED 16/09/2024.
4. NO WORKS ARE TO OCCUR OUTSIDE THE SITE PROPERTY BOUNDARY UNLESS PRIOR APPROVAL IS PROVIDED BY COUNCIL.
5. REFER TO DRAWING CE350 FOR EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE AND GENERAL INSTRUCTIONS NOTES.

PRINTING NOTE:
THIS DRAWING TO BE PRINTED IN COLOUR.

STORMWATER PLAN
SCALE 1:200

A1 0 2 4 6 8 10 12 14 16 18 20 1:200

Revision	Description	Initial	Date
G	DEVELOPMENT APPLICATION	AD	14.11.2025
F	DEVELOPMENT APPLICATION	AD	10.10.2025
E	DEVELOPMENT APPLICATION	AD	13.08.2025
D	DEVELOPMENT APPLICATION	AD	16.07.2025
C	DEVELOPMENT APPLICATION	AD	08.07.2025
B	DEVELOPMENT APPLICATION	AD	07.07.2025
A	DEVELOPMENT APPLICATION	AD	22.05.2025

Client
CANTERBURY BANKSTOWN CITY COUNCIL
CIVIC TOWER, 66/72 RICKARD RD, BANKSTOWN NSW 2200

Architect
COLLINS AND TURNER
LEVEL 3 11-17 BUCKINGHAM ST, SURRY HILLS NSW 2010

ADP An ayesa company

Inspire a better world through influence and design

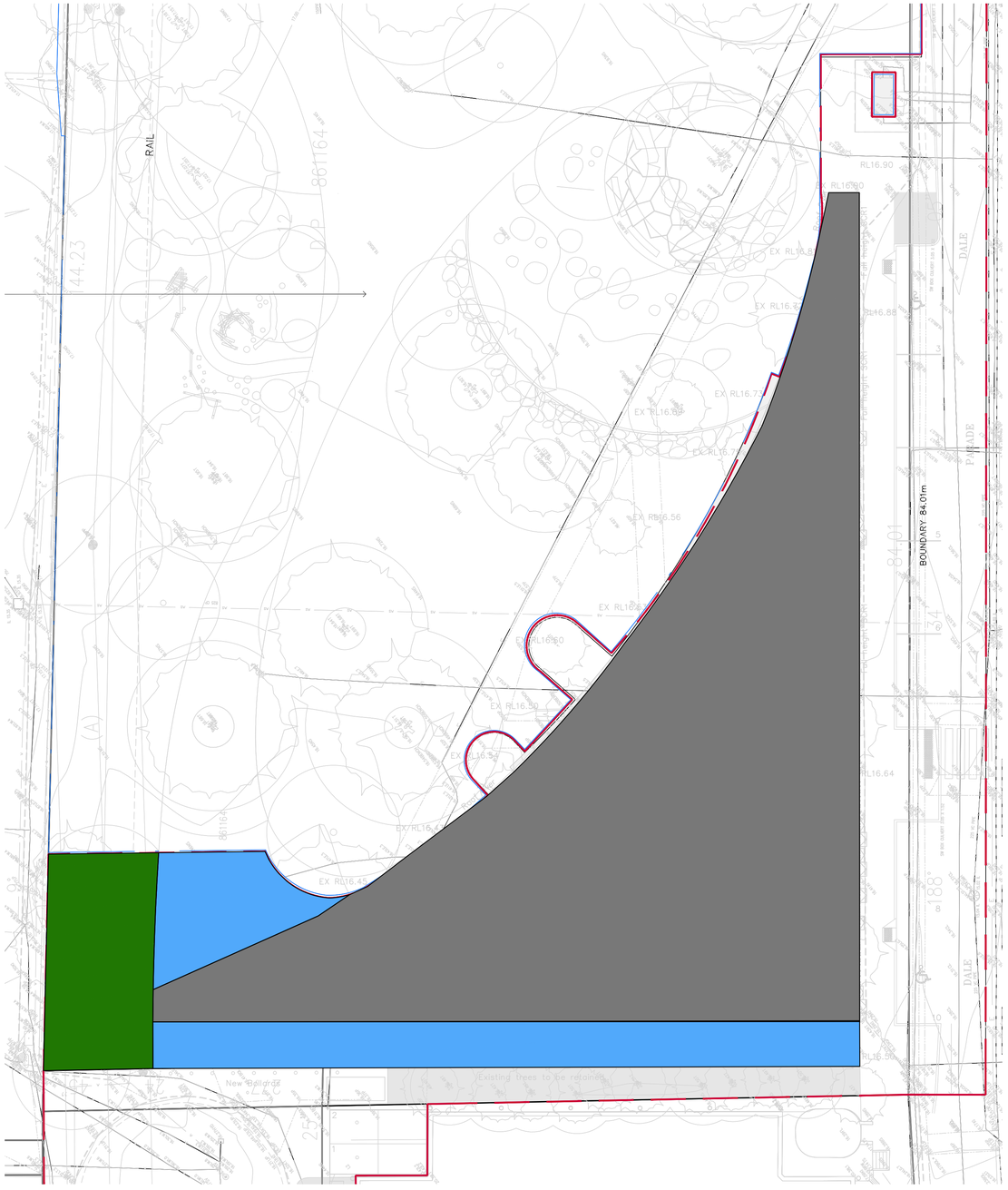
Project
GRIFFITH PARK COMMUNITY CENTRE
GRIFFITH PARK COMMUNITY CENTRE
4A OLYMPIC PARADE, BANKSTOWN NSW 2200

Drawing Title
CIVIL ENGINEERING SERVICES
STORMWATER PLAN

DEVELOPMENT APPLICATION

Drafted	Designed	Approved	Date	Scale	Sheet Size
AD	AY	SS	OCT 2025	1:200	@ A1

Job Number	Drawing Number	Revision	North Point
SYD2966	CE100	G	



CATCHMENT PLAN - GROUND FLOOR
NTS

TOTAL ROOF AREA = 1,127 m^2

TOTAL PERVIOUS AREA = 121 m^2

TOTAL IMPERVIOUS AREA = 246m^2

Treatment Train Effectiveness - Post-Dev

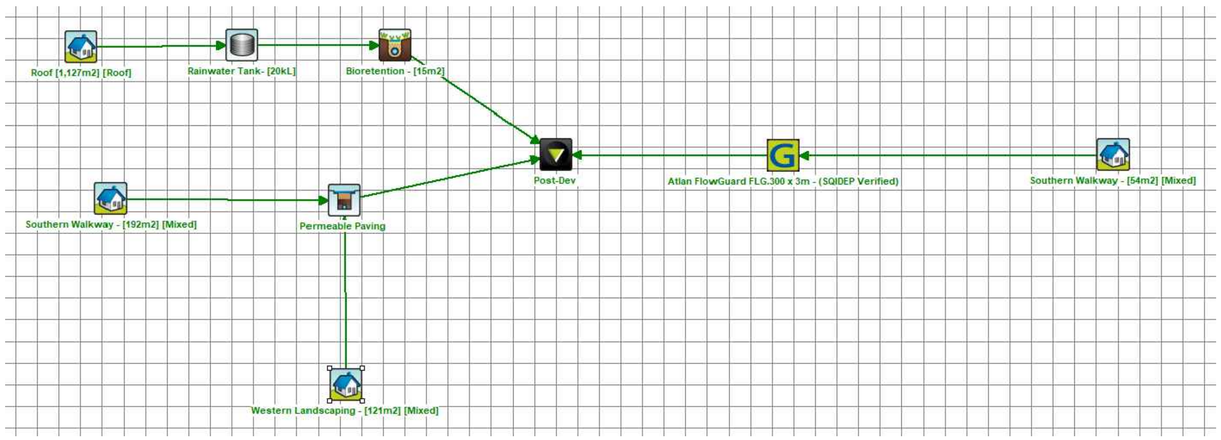
	Sources	Residual Load	% Reduction
Flow (ML/yr)	1.89	1.12	40.6
Total Suspended Solids (kg/yr)	113	19.1	83.1
Total Phosphorus (kg/yr)	0.375	0.155	58.6
Total Nitrogen (kg/yr)	4.31	1.69	60.8
Gross Pollutants (kg/yr)	44.4	0.0163	100

WATER QUALITY TARGET

AS PER CANTERBURY BANKSTOWN CITY COUNCIL DEVELOPMENT CONTROL PLAN 2023 "DEVELOPMENT ENGINEERING STANDARDS GUIDE" JUNE 2023 AMENDED AUGUST 2024 CLAUSE 6.6, THE WATER QUALITY TARGETS HAVE BEEN BASED ON THE EPA MANUAL MANAGING URBAN STORMWATER: COUNCIL HANDBOOK DATED NOVEMBER 1997, THE FOLLOWING POLLUTANT LOAD REDUCTION TARGETS TO BE ACHIEVED ARE:

- 80% TOTAL SUSPENDED SOLIDS
- 45% TOTAL PHOSPHORUS
- 45% TOTAL NITROGEN

OCEANPROTECT OCEANGUARDS HAVE BEEN SPECIFIED FOR THE PRIMARY TREATMENT FOR THE DEVELOPMENT.



PRINTING NOTE:
THIS DRAWING TO BE PRINTED IN COLOUR.

DEVELOPMENT APPLICIATION

Revision	Description	Initial	Date
D	DEVELOPMENT APPLICATION	AD	13.08.2025
C	DEVELOPMENT APPLICATION	AD	08.07.2025
B	DEVELOPMENT APPLICATION	AD	07.07.2025
A	DEVELOPMENT APPLICATION	AD	22.05.2025

Client
CANTERBURY BANKSTOWN CITY COUNCIL
CIVIC TOWER, 66/72 RICKARD RD, BANKSTOWN NSW 2200

Architect
COLLINS AND TURNER
LEVEL 3 11-17 BUCKINGHAM ST, SURRY HILLS NSW 2010

ADP An ayesa company

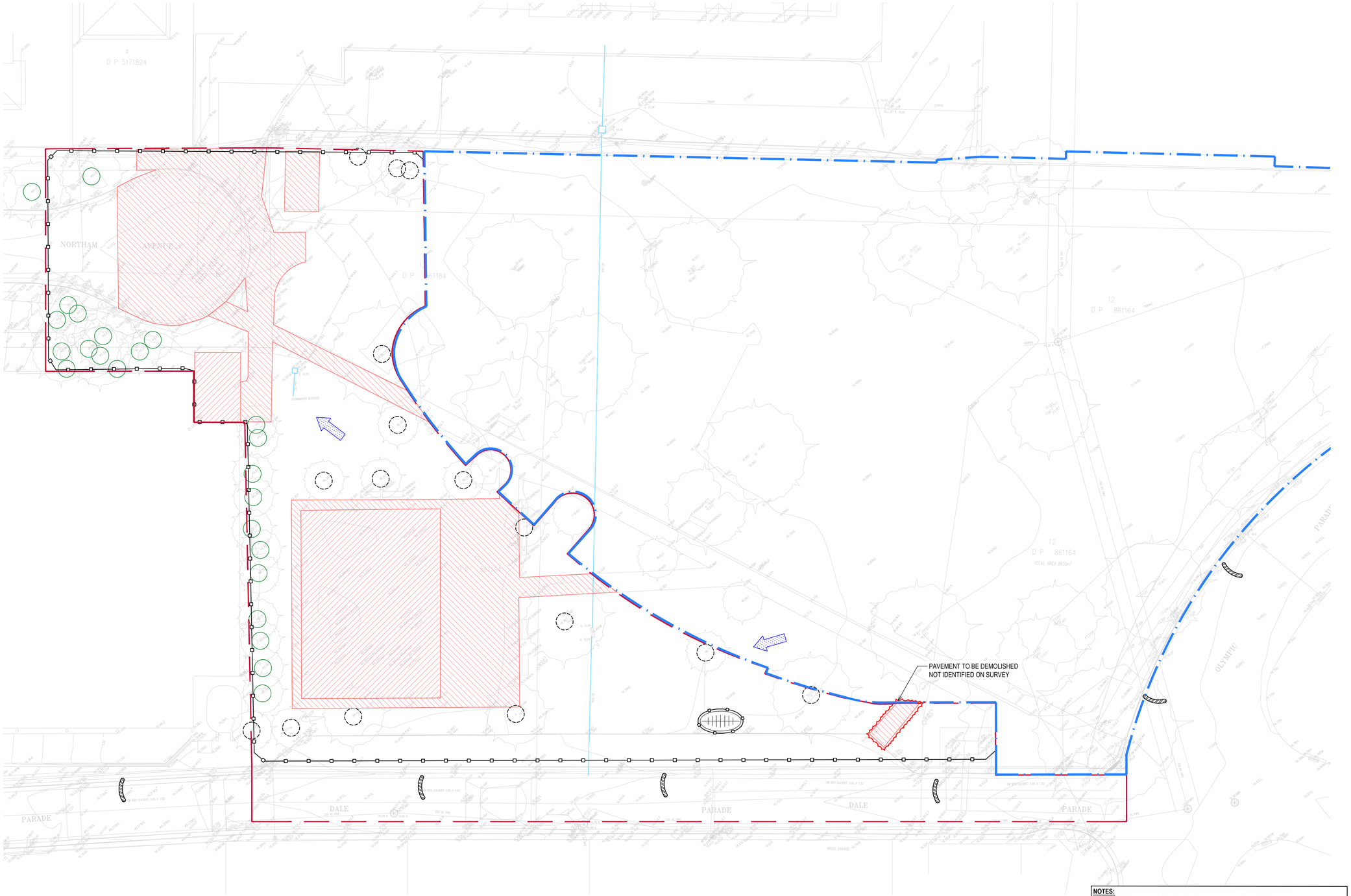
Inspire a better world through influence and design

Project
GRIFFITH PARK COMMUNITY CENTRE
GRIFFITH PARK COMMUNITY CENTRE
4A OLYMPIC PARADE, BANKSTOWN NSW 2200

Drawing Title
CIVIL ENGINEERING SERVICES
CATCHMENT PLAN AND RESULTS

Drafted	Designed	Approved	Date	Scale	Sheet Size
AD	AY	SS	AUG 2025	NTS @	A1

Job Number	Drawing Number	Revision	North Point
SYD2966	CE250	D	



LEGEND

- SITE BOUNDARY
- REF SCOPE
- EXISTING CONTOUR (0.25m)
- EXISTING STRUCTURES TO BE DEMOLISHED
- EXISTING PAVEMENT TO BE DEMOLISHED
- SEDIMENT FENCE
- SAND BAG
- FLOW DIRECTION
- EXISTING SEWER LINE
- EXISTING WATER MAIN
- EXISTING TELECOMMUNICATION LINE
- EXISTING GAS MAIN
- EXISTING ELECTRICAL MAIN
- PROPOSED STOCKPILE LOCATION WITH SEDIMENT FENCE
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED

RUSLE CALCULATION NOTE:

REVISED UNIVERSAL SOIL LOSS EQUATION:
A = R * K *Ls * P * C

$R = 164.74(1.1177)^S * S^{0.6444}$
S = 10.1 (2YR ARI 6-HOUR BOM IFD)
R = 2,249
K = 0.047 (APPENDIX C - TABLE 20)
Ls = 0.19 (FROM TABLE A1)
P = 1.3 (COMPACTED & SMOOTH)
C = 0.45 (SOIL NOT RECENTLY DISTURBED)

A = 11.75 t/Ha/yr < 150 t/Ha/yr

HENCE, AS PER TABLE 3.1 OF "BEST PRACTICE EROSION & SEDIMENT CONTROL BOOK 1"
EROSION HAZARD = VERY LOW HAZARD

AS THE SITE AVERAGE ANNUAL SOIL LOSS IS LESS THAN $150m^3$/YEAR A SEDIMENT BASIN IS NOT REQUIRED.

NOTES:
THE EROSION AND SEDIMENT CONTROL PLAN IS A CONCEPT PLAN DEMONSTRATING AN APPROACH TO EROSION & SEDIMENTATION CONTROL FOR THE SITE. IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE AN EROSION & SEDIMENT CONTROL PLAN (ESCP) AND A COMPLETED DESIGN CERTIFICATE FROM A CPESC PRIOR TO COMMENCEMENT OF WORK. CERTIFICATION MUST BE UNDERTAKEN BY A SUITABLY QUALIFIED, EXPERIENCE PROFESSIONAL NOT DIRECTLY EMPLOYED BY THE PRINCIPAL.

NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
2. ALL REDUCED LEVELS ARE IN mAHD.
3. SURVEY INFORMATION OBTAINED FROM C-CIDE SURVEYOR'S DRAWING TITLED 'GRIFFITH PARK', DATED 16/09/2024.
4. NO WORKS ARE TO OCCUR OUTSIDE THE SITE PROPERTY BOUNDARY UNLESS PRIOR APPROVAL IS PROVIDED BY COUNCIL.
5. REFER TO DRAWING CE350 FOR EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE AND GENERAL INSTRUCTIONS NOTES.

SEDIMENT AND EROSION CONTROL PLAN
SCALE 1:200

PRINTING NOTE:
THIS DRAWING TO BE PRINTED IN COLOUR.

A1 0 2 4 6 8 10 12 14 16 18 20 1:200

DEVELOPMENT APPLICIATION

Revision	Description	Initial	Date
E	DEVELOPMENT APPLICATION	AD	10.10.2025
D	DEVELOPMENT APPLICATION	AD	13.08.2025
C	DEVELOPMENT APPLICATION	AD	08.07.2025
B	DEVELOPMENT APPLICATION	AD	07.07.2025
A	DEVELOPMENT APPLICATION	AD	22.05.2025

Client
CANTERBURY BANKSTOWN CITY COUNCIL
CIVIC TOWER, 66/72 RICKARD RD, BANKSTOWN NSW 2200

Architect
COLLINS AND TURNER
LEVEL 3 11-17 BUCKINGHAM ST, SURRY HILLS NSW 2010

ADP An ayesa company

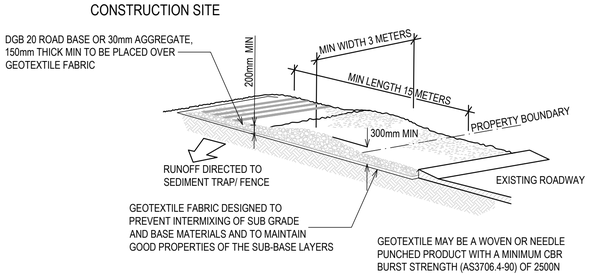
Inspire a better world through influence and design

Project
GRIFFITH PARK COMMUNITY CENTRE
GRIFFITH PARK COMMUNITY CENTRE
4A OLYMPIC PARADE, BANKSTOWN NSW 2200

Drawing Title
CIVIL ENGINEERING SERVICES
SEDIMENT & EROSION CONTROL PLAN

Drafted	Designed	Approved	Date	Scale	Sheet Size
AD	AY	SS	OCT 2025	1:200 @	A1

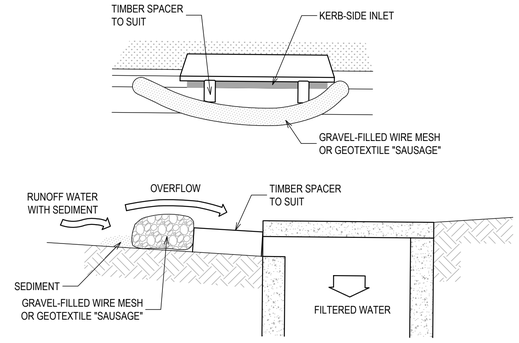
Job Number	Drawing Number	Revision	North Point
SYD2966	CE300	E	



NOTES:
1. THIS DEVICE IS TO BE LOCATED AT ALL EXITS FROM CONSTRUCTION SITE.
2. THIS DEVICE IS TO BE REGULARLY CLEANED OF DEPOSITED MATERIAL SO AS TO MAINTAIN A 50mm DEEP SPACE BETWEEN PLANKS.
3. ANY UNSEALED ROAD BETWEEN THIS DEVICE AND NEAREST ROADWAY IS TO BE TOPPED WITH 100mm THICK 40-70mm SIZE AGGREGATE.
4. ALTERNATIVELY, THREE(3) PRECAST CONCRETE CATTLE GRIDS (AS MANUFACTURED BY "HUMES CONCRETE MAY BE USED. 1, 2 & 3 ABOVE ALSO APPLY.

STABILISED SITE ACCESS WITH SHAKER RAMP

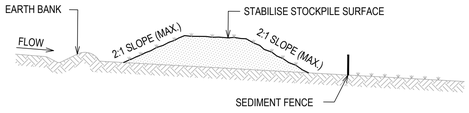
SCALE N.T.S.



MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:
1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
5. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT / LADEN WATERS CANNOT PASS BETWEEN.

MESH & GRAVEL INLET FILTER

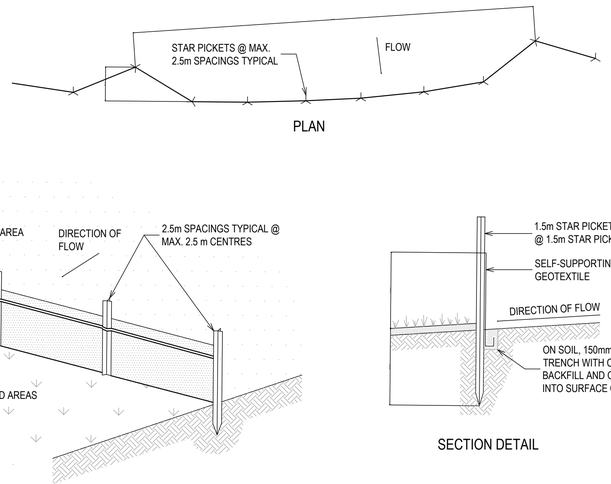
SCALE N.T.S.



STOCKPILE CONSTRUCTION NOTES:
1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
4. WHERE THEY ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED E.S.C.P. OR S.W.M.P. TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.

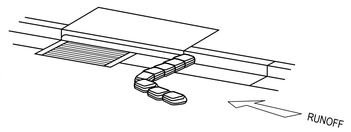
STOCKPILES

SCALE N.T.S.



SEDIMENT FENCE

SCALE N.T.S.



NOTES:
1. PROVIDE THREE LAYERS OF SANDBAGS WITH THEIR ENDS OVERLAPPED AND ALSO OVERLAPPING ONTO THE KERB.
2. CREATE A GAP IN THE SANDBAGS TO ACT AS A SPILLWAY.
3. SANDBAG BARRIER TO BE MIN. 2m FROM THE INLET AND EXTEND MIN. 0.9m OUT FROM THE KERB.

GULLY INLET SANDBAG PROTECTION DETAIL

SCALE N.T.S.

GENERAL INSTRUCTIONS:

1. THIS SEDIMENT AND EROSION CONTROL WORKS FOR THE SITE SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, 4TH EDITION (2004)" BY LANDCOM.
2. AS REQUIRED BY COUNCIL, SEDIMENT CONTROL MEASURES WILL BE REQUIRED DURING THE CONSTRUCTION OF ALL DEVELOPMENTS/BUILDING WORKS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY THAT THE WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN AND COUNCIL'S REQUIREMENTS.
3. THE CONTRACTOR SHALL ENSURE THAT ALL SUBCONTRACTORS ARE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.
4. THE NON-DISTURBED PORTION OF THE CATCHMENT OUTSIDE OF OPERATING AREA IS TO BYPASS THE BASINS BY MEANS OF LINED CATCH DRAINS.
5. WHERE PRACTICABLE, THE SOIL EROSION HAZARD SHALL BE KEPT AS LOW AS POSSIBLE. LIMITATIONS TO ACCESS ARE TO BE VIA STANLEY LANE UNLESS OTHERWISE APPROVED BY COUNCIL.
6. ENSURE THAT ALL DRAINS ARE OPERATING EFFECTIVELY AND SHALL MAKE ANY NECESSARY REPAIRS. REMOVE TRAPPED SEDIMENT WHERE THE CAPACITY OF THE TRAPPING DEVICE FALLS BELOW 60%.
7. CONSTRUCT ADDITIONAL EROSION OR SEDIMENT CONTROL WORKS AS MAY BE APPROPRIATE TO ENSURE THE PROTECTION OF DOWNSLOPE LANDS AND WATERWAYS.
8. MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION AT ALL TIMES UNTIL THE SITE IS REHABILITATED.
9. REMOVE TEMPORARY SOIL CONSERVATION STRUCTURES AS THE LAST ACTIVITY IN THE REHABILITATION PROGRAM.

CONSTRUCTION SEQUENCE:

WORKS SHALL BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:

1. INSTALL SEDIMENT FENCING AND CUT DRAINS TO MEET THE REQUIREMENTS OF THE SEDIMENT AND EROSION CONTROL PLAN. WASTE COLLECTION BINS SHALL BE INSTALLED ADJACENT TO SITE OFFICE.
2. CONSTRUCT STABILISED SITE ACCESS IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS.
3. REDIRECT CLEAN WATER AROUND THE CONSTRUCTION SITE.
4. INSTALL SEDIMENT CONTROL PROTECTION MEASURES AT ALL NATURAL AND MAN-MADE DRAINAGE STRUCTURES. MAINTAIN UNTIL ALL THE DISTURBED AREAS ARE STABILISED.
5. CLEAR AND STRIP THE WORK AREAS. MINIMISE THE DAMAGE TO THE GRASS AND LOW GROUND COVER OF NON-DISTURBED AREAS.
6. ANY DISTURBED AREAS, OTHER THAN BUILDING PAD AREAS, SHALL IMMEDIATELY BE COVERED WITH SITE TOPSOIL WITHIN 7 DAYS OF CLEARING. BUILDING PAD AREAS SHALL BE COVERED WITH BITUMEN EMULSION AS SPECIFIED.
7. APPLY PERMANENT STABILISATION TO SITE (LANDSCAPING).

SEDIMENT FENCE CONSTRUCTION NOTES:

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150 mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5 m LONG STAR PICKETS INTO GROUND @ 2.5 m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150 mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

PRINTING NOTE:
THIS DRAWING TO BE PRINTED IN COLOUR.

DEVELOPMENT APPLICIATION

Revision	Description	Initial	Date
C	DEVELOPMENT APPLICATION	AD	08.07.2025
B	DEVELOPMENT APPLICATION	AD	07.07.2025
A	DEVELOPMENT APPLICATION	AD	22.05.2025

Client
CANTERBURY BANKSTOWN CITY COUNCIL
CIVIC TOWER, 66/72 RICKARD RD, BANKSTOWN NSW 2200

Architect
COLLINS AND TURNER
LEVEL 3 11-17 BUCKINGHAM ST, SURRY HILLS NSW 2010

ADP An ayesa company

Inspire a better world through influence and design

Project
GRIFFITH PARK COMMUNITY CENTRE
GRIFFITH PARK COMMUNITY CENTRE
4A OLYMPIC PARADE, BANKSTOWN NSW 2200

Drawing Title
CIVIL ENGINEERING SERVICES
SEDIMENT & EROSION CONTROL DETAILS

Drafted	Designed	Approved	Date	Scale	Sheet Size
AD	AY	SS	JULY 2025		@ A1

Job Number	Drawing Number	Revision	North Point
SYD2966	CE350	C	