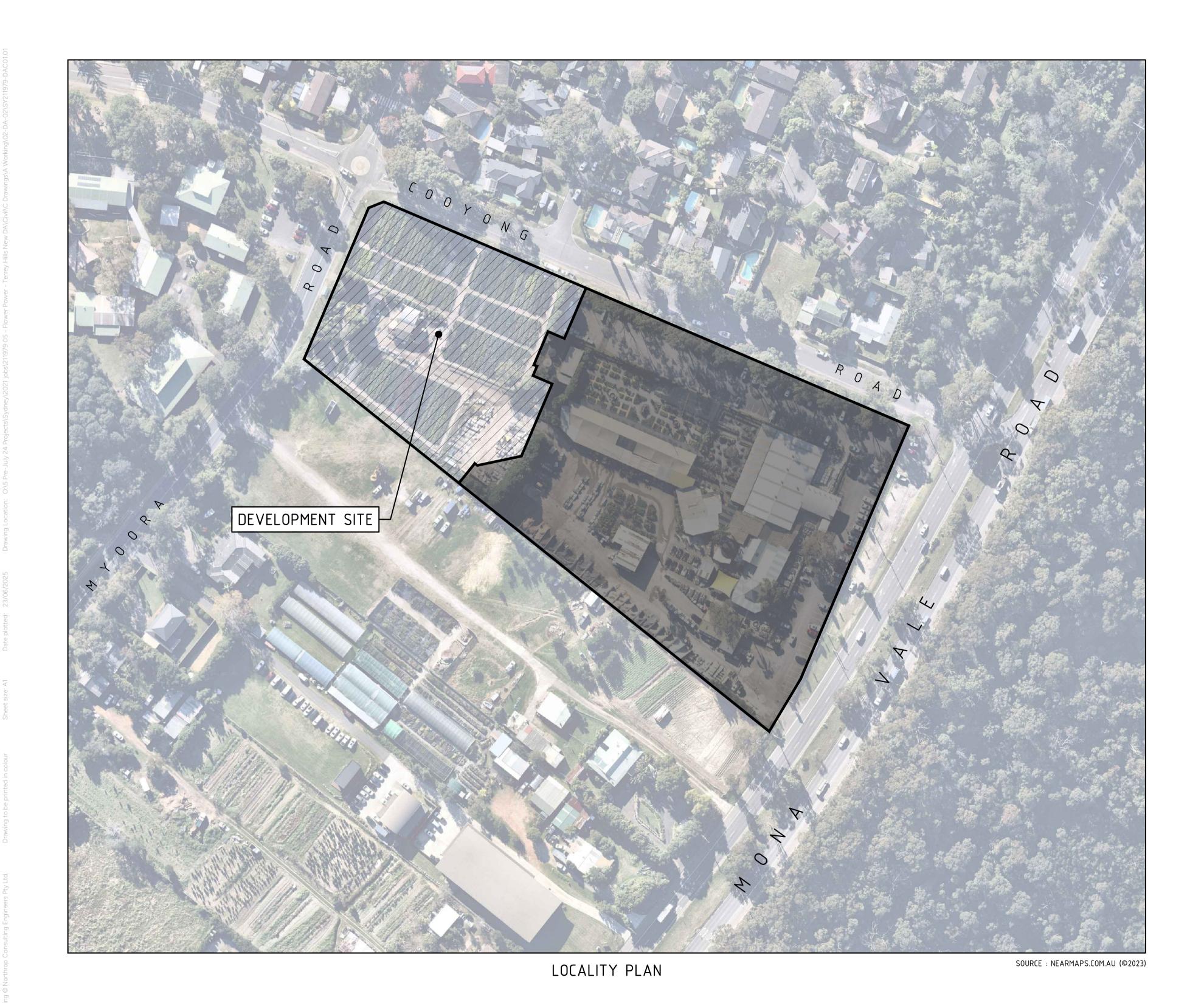
# FLOWER POWER

# CIVIL ENGINEERING PACKAGE / DEVELOPMENT APPLICATION

277 MONA VALE ROAD TERREY HILLS NSW 2084



# **DRAWING LIST**

DAC01.01 COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN

DAC01.11 SPECIFICATION NOTES

DAC01.21 GENERAL ARRANGEMENT PLAN

DAC02.01 SEDIMENT AND SOIL EROSION CONTROL PLAN

DAC02.11 SEDIMENT AND SOIL EROSION CONTROL DETAILS

DAC03.01 BULK EARTHWORKS CUT AND FILL PLAN

DAC04.01 SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 01

DACO4.02 SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 02

DACO6.01 STORMWATER MANAGEMENT DETAILS - SHEET 01

DAC06.02 STORMWATER MANAGEMENT DETAILS - SHEET 02

DAC06.03 STORMWATER MANAGEMENT DETAILS - SHEET 03

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**NORTHROP** 

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(02) 9241 4188

ABN 81 094 433 100

ARTNERS



277 Mona Vale Road Terrey Hills NSW, 2084 LEFFLER SIMES ARCHITECTS

801/140 Arthur Street North Sydney NSW, 2060



REV. DESCRIPTION ISSUED DATE
2 ISSUED FOR DEVELOPMENT APPLICATION MM 23.06.25
1 ISSUED FOR INFORMATION AS 29.05.25

FLOWER POWER

ADDRESS

277 MONA VALE ROAD,
TERREY HILLS
NSW 2084

DRAWING

COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN



# GENERAL NOTES

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH OTHER SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DIMENSIONS ARE IN MILLIMETRES & ALL LEVELS ARE IN METRES, UNO (UNLESS NOTED OTHERWISE).

#### NO DIMENSION SHALL BE OBTAINED BY SCALING THE DRAWINGS.

ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF THE WORK.

DETAIL SURVEY DATA WAS SUPPLIED BY: BOXALL SURVEYORS REF. NUMBER: 10115-002
REVISION DATE: 06.09.2024
REVISION NUMBER: J

GEOCENTRIC DATUM OF AUSTRALIA: GDA94 SURVEYOR: BC APPROVED: SL

EXISTING SERVICES WHERE SHOWN HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.

ON COMPLETION OF STORMWATER INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS, UNLESS DIRECTED OTHERWISE.

ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS DRAWING HAVE BEEN PREPARED FOR DEVELOPMENT APPLICATION PURPOSES TO DEMONSTRATE FEASIBILITY. ALL MEASURES WILL BE SUBJECT TO DETAIL DESIGN AT THE CONSTRUCTION CERTIFICATE STAGE AND MAY BE SUBJECT TO VARIATION PROVIDED THAT THE DESIGN INTENT IS MAINTAINED.

## STORMWATER DRAINAGE

- ALL DRAINAGE LINES SHALL BE UPVC (CLASS SN4) SEWER GRADE DRAINAGE PIPE, U.N.O.
- 2. ALL DRAINAGE LINES SHALL BE LAID AT 1% MIN. FALL, UNO.
- 3. ALL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).
- 4. ALL DOWNPIPES GUTTERS TO BE DESIGNED IN ACCORDANCE WITH AS/NZS 3500.3.2 2003 'STORMWATER' DRAINAGE.
- 5. THE STORMWATER DRAINAGE DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH AS/NZS 3500.3.2-2003 'STORMWATER' DRAINAGE.
- 6. ANY VARIATIONS TO THE NOMINATED LEVELS SHALL BE REFERRED TO ENGINEER IMMEDIATELY.
- 7. SUBSOIL DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS & EMBANKMENTS, WITH THE LINES FEEDING INTO THE STORMWATER DRAINAGE SYSTEM.
- 8. ALL GRATES TO BE GALVANISED STEEL WITH HINGES AND CHILD PROOF LOCK.
- 9. THE STORMWATER DRAINAGE IS DESIGNED IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL WATER MANAGEMENT FOR DEVELOPMENT POLICY 2021.

# RAINWATER RE-USE

- PROVIDE RAINWATER RE-USE SYSTEM TO SUPPLY WATER FOR TOILET FLUSHING.
- 2. GUTTER GUARD TO BE INSTALLED ON ALL EAVES GUTTERS.
- 3. A PERMANENT SIGN IS TO BE LOCATED IN THE VICINITY OF THE TANK STATING THE WATER IS "NON POTABLE WATER" WITH APPROPRIATE HAZARD IDENTIFICATION.
- 4. PIPEWORK USED FOR RAINWATER SERVICES SHALL BE COLOURED LILAC IN ACCORDANCE WITH AS1345.
- 5. ALL VALVES AND APERTURES SHALL BE CLEARLY AND PERMANENTLY LABELLED WITH SAFETY SIGNS TO COMPLY WITH AS1319
- 6. RAINWATER TANK RETICULATION SYSTEM AND MAINS WATER BYPASS ARRANGEMENT TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3500.1.2-2003 AND THE NSW CODE OF PRACTICE: PLUMBING AND DRAINING.
- 7. A FIRST FLUSH FILTRATION DEVICE IS TO BE PROVIDED AT RAINWATER TANK.

# DESIGN SUMMARY

	20% AEP	<u>5% AEP</u>	<u>1% AEP</u>
PRE-DEVELOPMENT	0.159 m³/s	0.281 m <sup>3</sup> /s	0.447 m <sup>3</sup> /s
POST-DEVELOPMENT	0.143 m³/s	0.270 m <sup>3</sup> /s	0.443 m <sup>3</sup> /s

#### ON-SITE DETENTION:

#### DESIGN BASIS:

PRE TO POST DEVELOPMENT CONDITIONS

SITE DISCHARGE CALCULATIONS:

ON-SITE DETENTION SUMMARY:

• BELOW GROUND BLOCK WORK TANK

#### RAINWATER RE-USE:

IN ACCORDANCE WITH BASIX/COUNCIL REQUIREMENTS.
RAINWATER RE-USE STORAGE PROVIDED IS TO BE DESIGNED.

#### RAINWATER RE-USE TO BE USED FOR THE FOLLOWING;

TOILET FLUSHING;IRRIGATION;

STORMWATER MANAGEMENT REQUIREMENTS HAVE BEEN CALCULATED IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL WATER MANAGEMENT PLAN FOR DEVELOPMENT POLICY 2021: PART 9.0 ONSITE STORMWATER MANAGEMENT.

#### TREATMENT NODES:

- RAINWATER RE-USE TANK
- 'OCEANGUARD' PIT INSERTS (OR SIMILAR)
- FILTER CARTRIDGES

MUSIC MODEL PARAMETERS IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL'S WSUD AND MUSIC MODELLING GUIDELINES 2016.

#### TREATMENT STANDARDS:

<u>POLLUTANT</u>	REDUCTION STANDARDS	REDUCTION ACHIEVED
GROSS POLLUTANTS	90%	98.2%
TOTAL SUSPENDED SOLIDS	85%	86.4%
TOTAL PHOSPHORUS	65%	65.3%
TOTAL NITROGEN	45%	46.1%

# CONCEPT SOIL & WATER MANAGEMENT

- 1. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH RELEVANT ORDINANCES AND REGULATIONS; NOTE IN PARTICULAR THE REQUIREMENTS OF LANDCOMS MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION' (THE 'BLUE BOOK'). THIS SOIL AND WATER MANAGEMENT PLAN DETAILS THE ACTIONS TO BE TAKEN FOR THE MANAGEMENT AND DEWATERING OF STORMWATER DURING CONSTRUCTION OF THE PROPOSED BUILDING.
- 2. INSTALL SEDIMENT PROTECTION FILTERS ON ALL NEW AND EXISTING STORMWATER INLET PITS IN ACCORDANCE WITH EITHER THE MESH AND GRAVEL INLET FILTER DETAIL SD6-11 OR THE GEOTEXTILE INLET FILTER DETAIL SD6-12 OF THE 'BLUE BOOK'.
- 3. ESTABLISH ALL REQUIRED SEDIMENT FENCES IN ACCORDANCE WITH DETAIL SD6-8 OF THE 'BLUE BOOK'.
- 4. INSTALL SEDIMENT FENCING AROUND INDIVIDUAL BUILDING ZONES/AREAS AS REQUIRED AND AS DIRECTED BY THE SUPERINTENDENT.
- 5. ALL TRENCHES INCLUDING ALL SERVICE TRENCHES AND SWALE EXCAVATION SHALL BE SIDE-CAST TO THE HIGH SIDE AND CLOSED AT
- THE END OF EACH DAYS WORK.

  6. THE CONTRACTOR SHALL ENSURE THAT ALL VEGETATION (TREE, SHRUB & GROUND COVER) WHICH IS TO BE RETAINED SHALL BE
- PROTECTED DURING THE DURATION OF CONSTRUCTION. REFER ARCHITECTS PLANS FOR TREES TO BE KEPT.

  7. ALL VEGETATION TO BE REMOVED SHALL BE MULCHED ONSITE AND
- SPREAD/STOCKPILED AS DIRECTED BY THE SUPERINTENDENT.

  8. STRIP TOPSOIL IN AREAS DESIGNATED FOR STRIPPING AND STOCKPILE FOR RE-USE AS REQUIRED. ANY SURPLUS MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE
- WITH EPA GUIDELINES.
  CONSTRUCT AND MAINTAIN ALL MATERIAL STOCKPILES IN ACCORDANCE WITH DETAIL SD4–1 OF THE 'BLUE BOOK' (INCLUDING CUT-OFF SWALES TO THE HIGH SIDE AND SEDIMENT FENCES TO THE
- LOW SIDE).

  10. ENSURE STOCKPILES DO NOT EXCEED 2.0m HIGH. PROVIDE WIND AND RAIN EROSION PROTECTION AS REQUIRED IN ACCORDANCE WITH THE 'BLUE BOOK'.
- 11. PROVIDE WATER TRUCKS OR SPRINKLER DEVICES DURING
- CONSTRUCTION AS REQUIRED TO SUPPRESS DUST.

  12. ONCE CUT/FILL OPERATIONS HAVE BEEN FINALIZED ALL DISTURBED AREAS THAT ARE NOT BEING WORKED ON SHALL BE RE-VEGETATED AS SOON AS IS PRACTICAL.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING A DETAILED WRITTEN RECORD OF ALL EROSION & SEDIMENT CONTROLS ON-SITE DURING THE CONSTRUCTION PERIOD. THIS RECORD SHALL BE UPDATED ON A DAILY BASIS & SHALL CONTAIN DETAILS ON THE CONDITION OF CONTROLS AND ANY/ ALL MAINTENANCE, CLEANING & BREACHES. THIS RECORD SHALL BE KEPT ON-SITE AT ALL TIMES AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE PRINCIPAL CERTIFYING AUTHORITY AND THE SUPERINTENDENT DURING NORMAL WORKING HOURS.
- 14. GROUNDWATER SEEPAGE RATES AND QUALITY TO BE MONITORED AND TREATED IF REQUIRED DURING CONSTRUCTION IN ACCORDANCE WITH REQUIREMENTS OF SUPERVISING GEOTECHNICAL ENGINEER.

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PARTNERS



277 Mona Vale Road

Terrey Hills NSW, 2084 LEFFLER SIMES ARCHITECTS

DRAWN
W.DODIC
DESIGNED
T.BUGAEV

JOB MANAGER
A.CARVALHAES
VERIFIER

REV. DESCRIPTION

2 ISSUED FOR DEVELOPMENT APPLICATION

1 ISSUED FOR INFORMATION

AS 29.05.25

FLOWER POWER

SPECIFICATION NOTES

SY211979

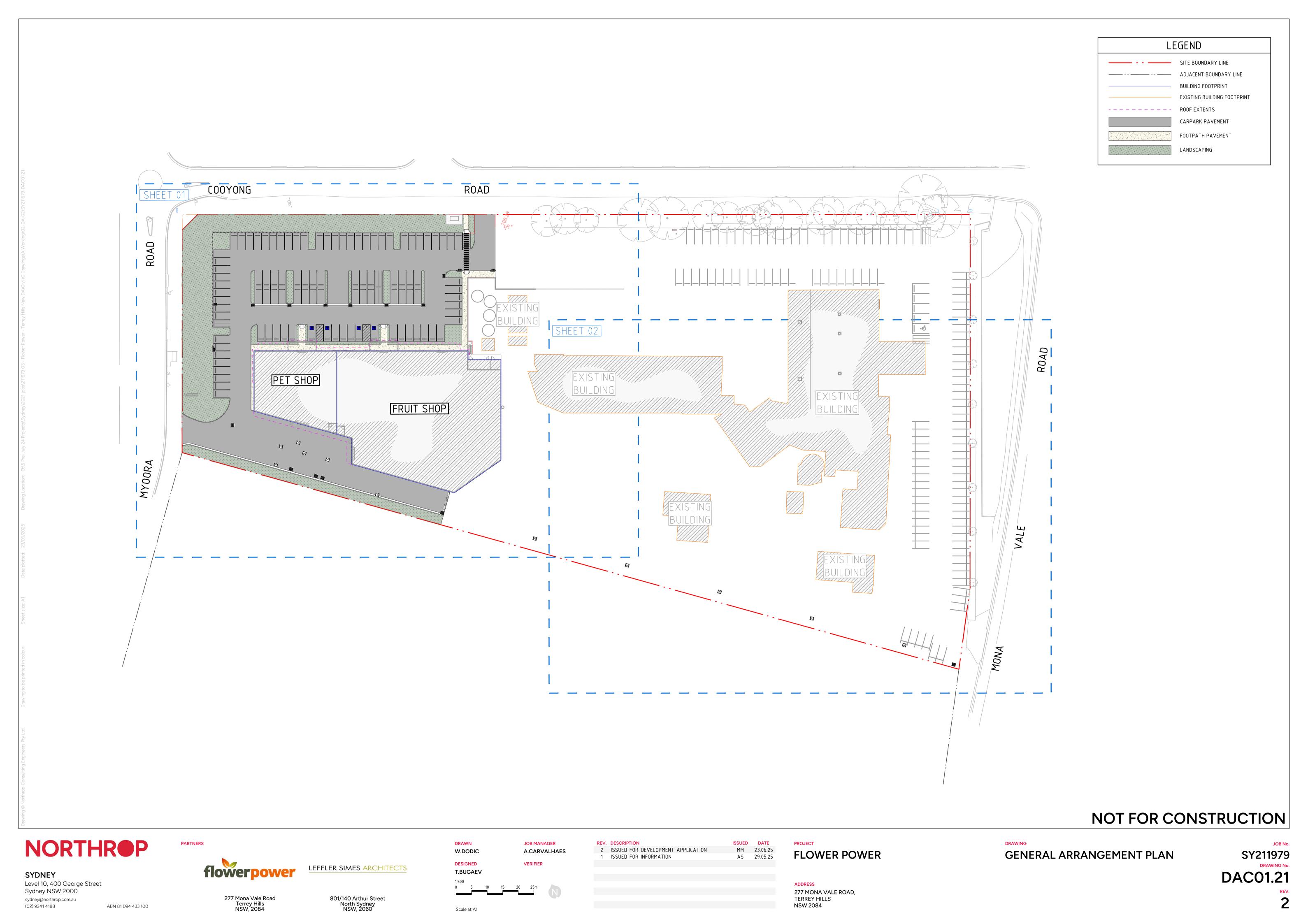
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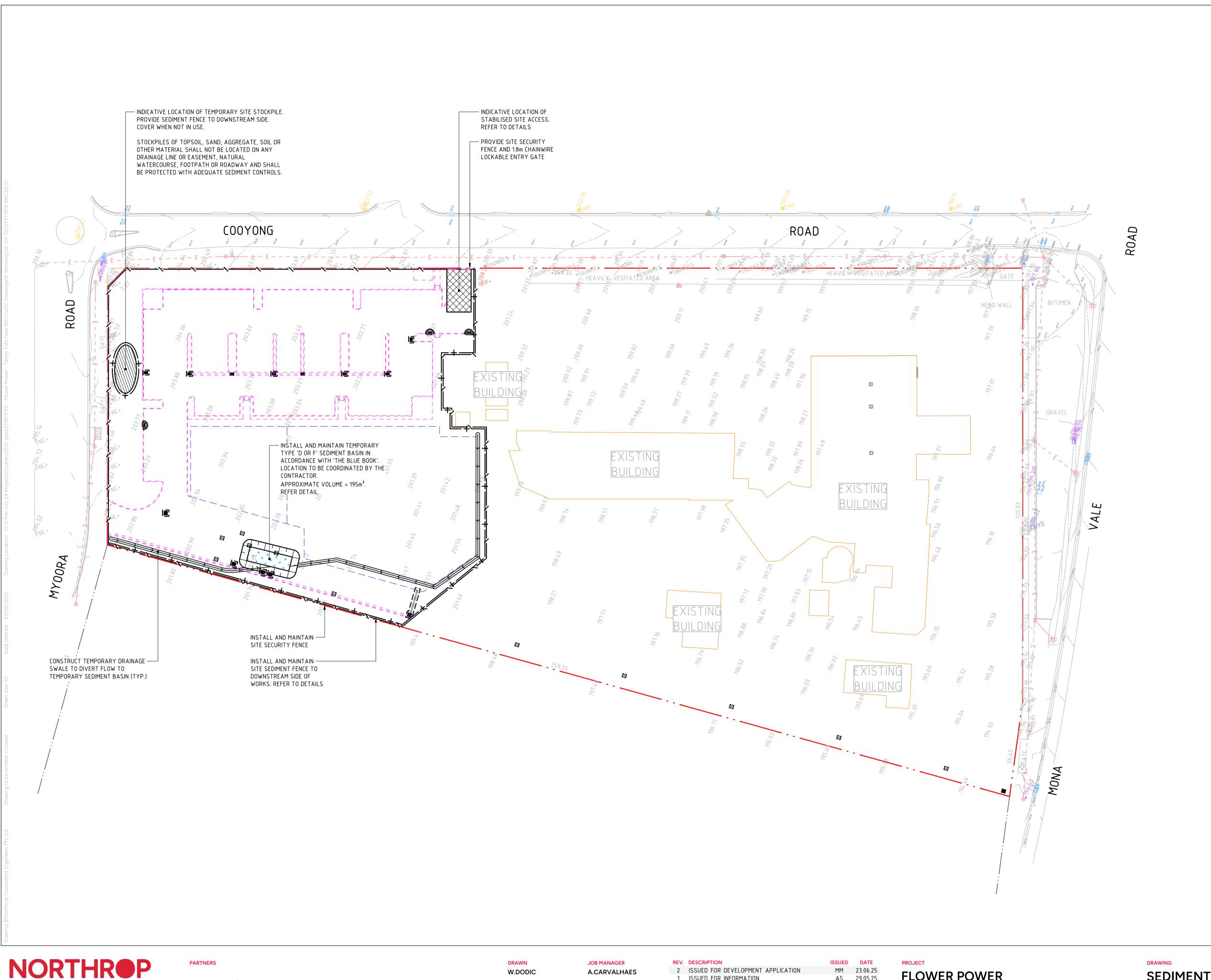
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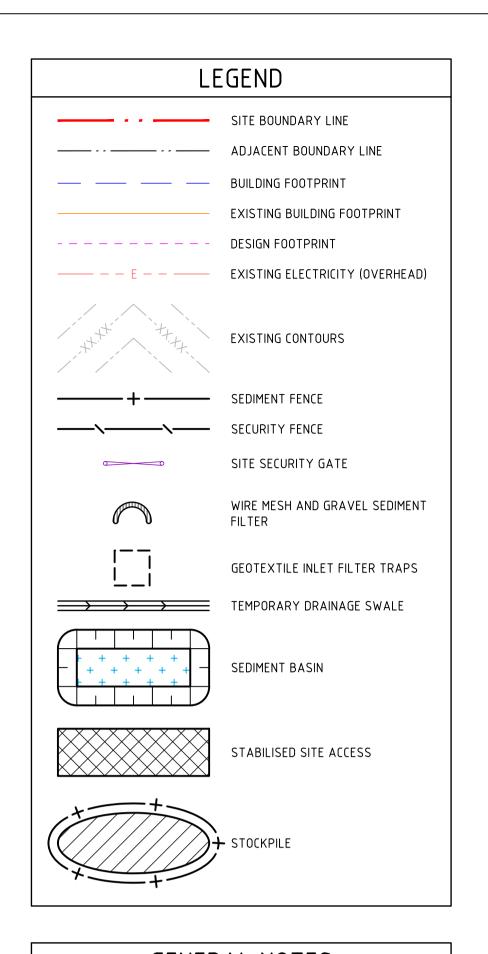
801/140 Arthur Street North Sydney NSW, 2060

Scale at

277 MONA VALE ROAD, TERREY HILLS NSW 2084







# GENERAL NOTES

- 1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND
- 2. ALL SEDIMENT AND SOIL EROSION CONTROL MEASURES TO BE INSTALLED IN ACCORDANCE WITH THE 'BLUE BOOK'. CONTRACTOR TO ENSURE THESE MEASURES ARE IN PLACE AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION
- 3. CONTRACTOR TO PROVIDE 'WIRE MESH AND GRAVEL SEDIMENT FILTER' TO ALL PAVED / ROAD AREAS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE
- 4. CONTRACTOR TO PROVIDE 'GEOTEXTILE INLET FILTER TRAPS'
  TO ALL STORMWATER DRAINAGE INLETS (BOTH PROPOSED
  AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'

SEDIMENT BASIN CALCULATIONS				
PARAMETER	ADOPTED VALUE			
TOTAL DISTURBED AREA (ha)	0.880			
SOIL TEXTURE GROUP	D OR F			
DESIGN RAINFALL DEPTH (DAYS)	5			
DESIGN RAINFALL DEPTH (PERCENTILE)	80%			
x-DAY, y-PERCENTILE RAINFALL EVENT	35.2			
Cv	0.42			
SETTLING ZONE VOLUME (m³)	130.100			
SEDIMENT STORAGE VOLUME (m³)	65.000			
TOTAL BASIN VOLUME REQUIRED (m³)	195.100			

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DESIGNED VERIFIER T.BUGAEV Scale at A1

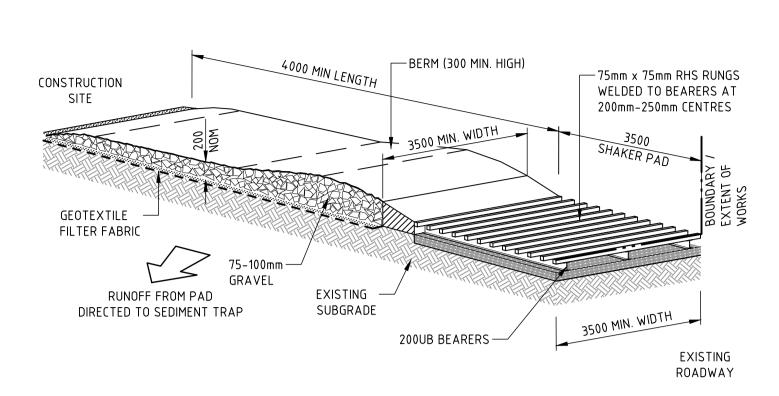
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277 MONA VALE ROAD, TERREY HILLS NSW 2084

SEDIMENT AND SOIL EROSION **CONTROL PLAN** 

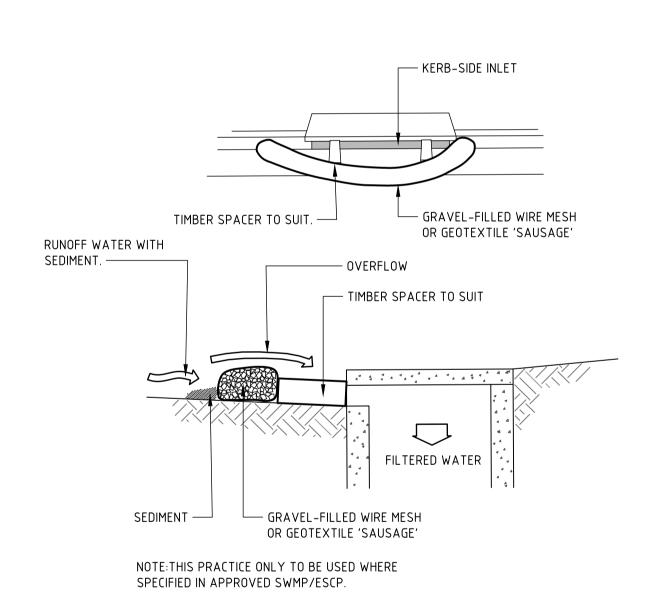
SY211979 DAC02.01



#### CONSTRUCTION NOTES

- 1. THE TEMPORARY ACCESS SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING OR FLOWING OF
- SEDIMENT ONTO PUBLIC RIGHTS OF WAY, • THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT,
- 2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED
- 3. INSTALL BARRIER ON EITHER SIDE OF SHAKER PAD. TO ENSURE VEHICLES ARE GUIDED ON TO THE PAD. 4. INVERT OF SHAKER PAD TO BE DRAINED VIA AGRICULTURAL PIPE WRAPPED IN GEOTEXTILE FABRIC.

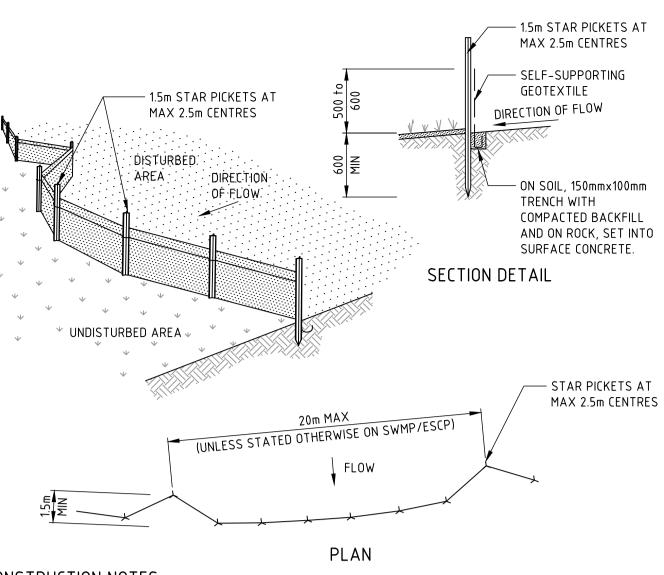
## STABILISED SITE ACCESS



#### CONSTRUCTION NOTES

- 1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
- 2. 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.
- 3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
- 4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
- 5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- 6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

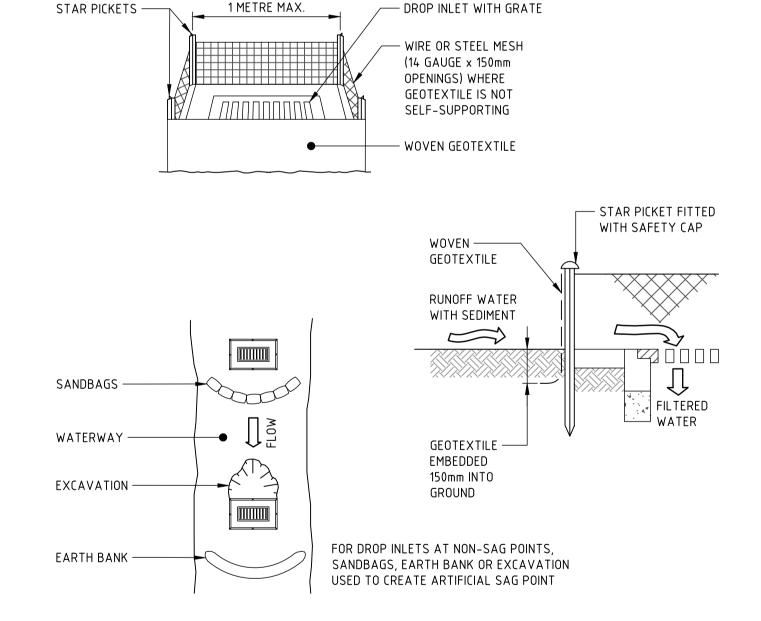
WIRE MESH AND GRAVEL SEDIMENT FILTER



#### CONSTRUCTION NOTES

- 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 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- 3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE 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 150mm OVERLAP.
- 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

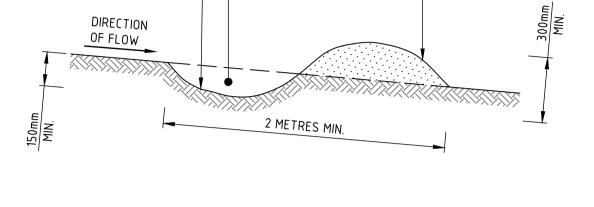
## SEDIMENT FENCE



#### CONSTRUCTION NOTES

- 1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
- 2. FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
- 3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
- 4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS

# GEOTEXTILE INLET FILTER TRAPS



— CAN BE CONSTRUCTED WITH

OR WITHOUT CHANNEL.

ALL BATTER GRADES

2(H):1(V) MAX.

#### CONSTRUCTION NOTES

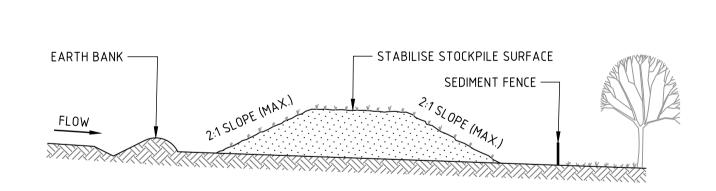
BUILD WITH GRADIENTS BETWEEN 1 AND 5 PERCENT.

**GRADIENT OF** 

DRAIN 1% TO 5% —

- 2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE WORK AROUND THEM.
- 3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
- 4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
- 5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
- 6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

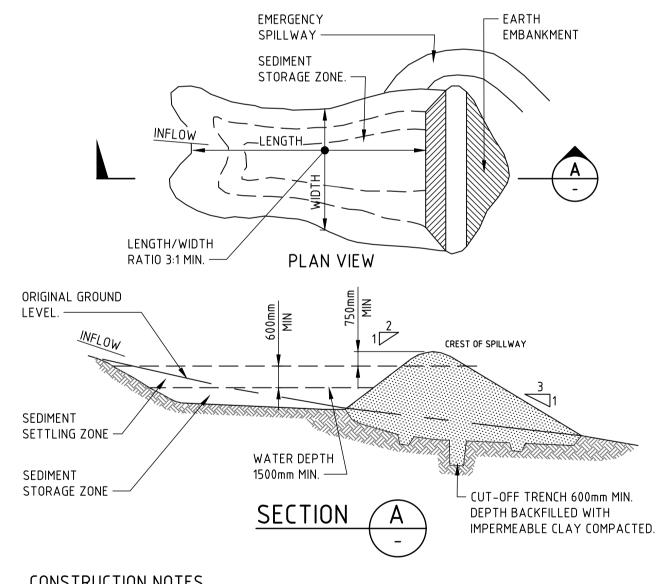
NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES. TEMPORARY DRAINAGE SWALE



# **CONSTRUCTION NOTES**

- PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) 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 2m IN HEIGHT.
- 4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
- 5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

STOCKPILE



#### **CONSTRUCTION NOTES**

- 1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
- 2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
- MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95 PER CENT STANDARD PROCTOR DENSITY.
- 4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL. 5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100mm TO HELP BOND COMPACTED FILL
- TO THE EXISTING SUBSTRATE.
- 6. SPREAD THE FILL IN 100mm TO 150mm LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING THE
- CONSTRUCT THE EMERGENCY SPILLWAY.
- 8. REHABILITATE THE STRUCTURE FOLLOWING THE SWMP.

(APPLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY) SEDIMENT BASIN

NOT FOR CONSTRUCTION



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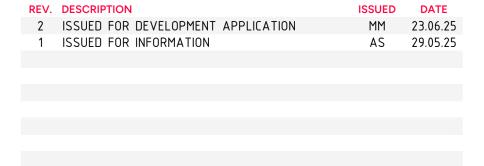
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DRAWN W.DODIC DESIGNED T.BUGAEV

Scale at

JOB MANAGER A.CARVALHAES VERIFIER

NOT TO SCALE

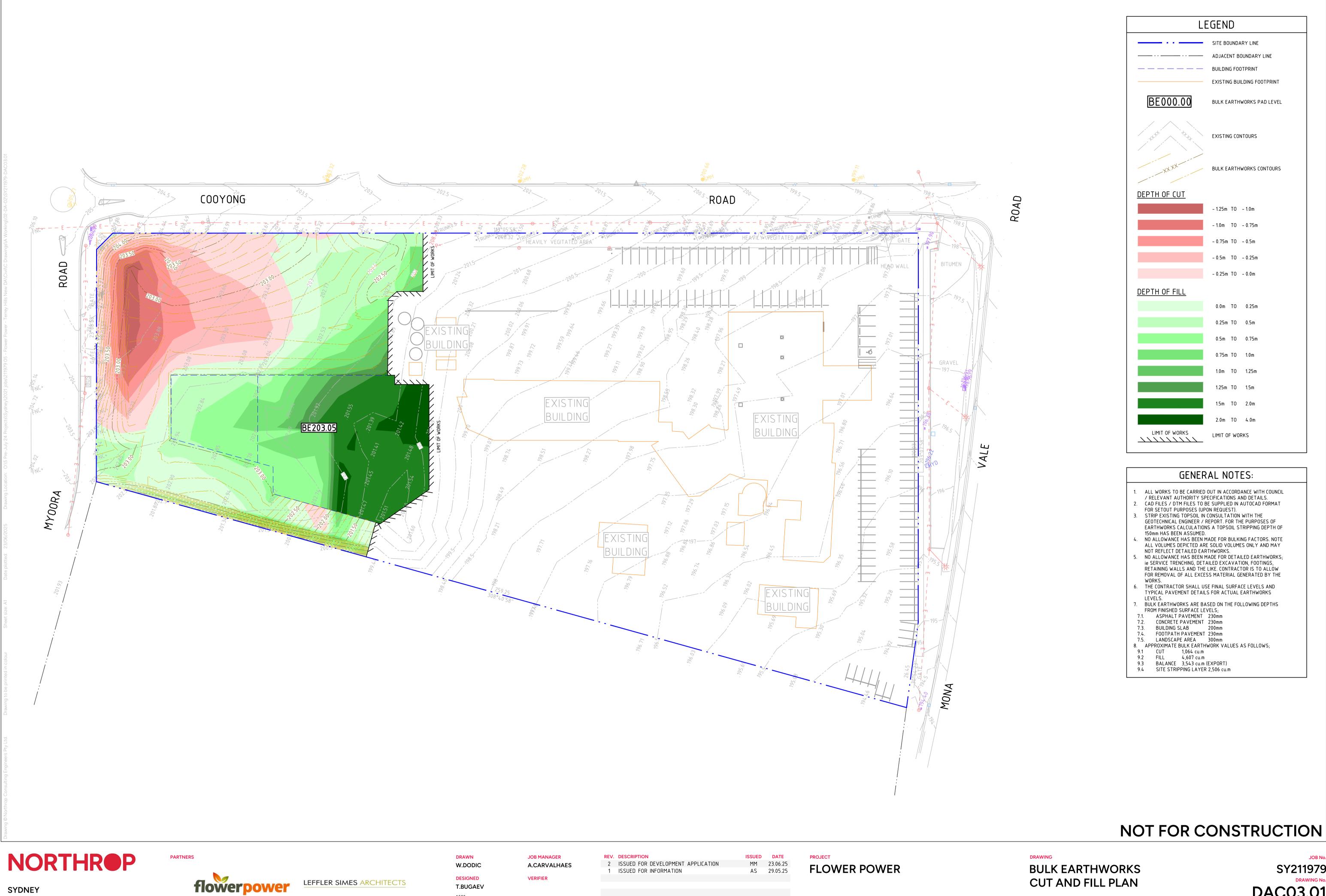


**PROJECT FLOWER POWER** 

277 MONA VALE ROAD, **TERREY HILLS** NSW 2084

SEDIMENT AND SOIL EROSION **CONTROL DETAILS** 





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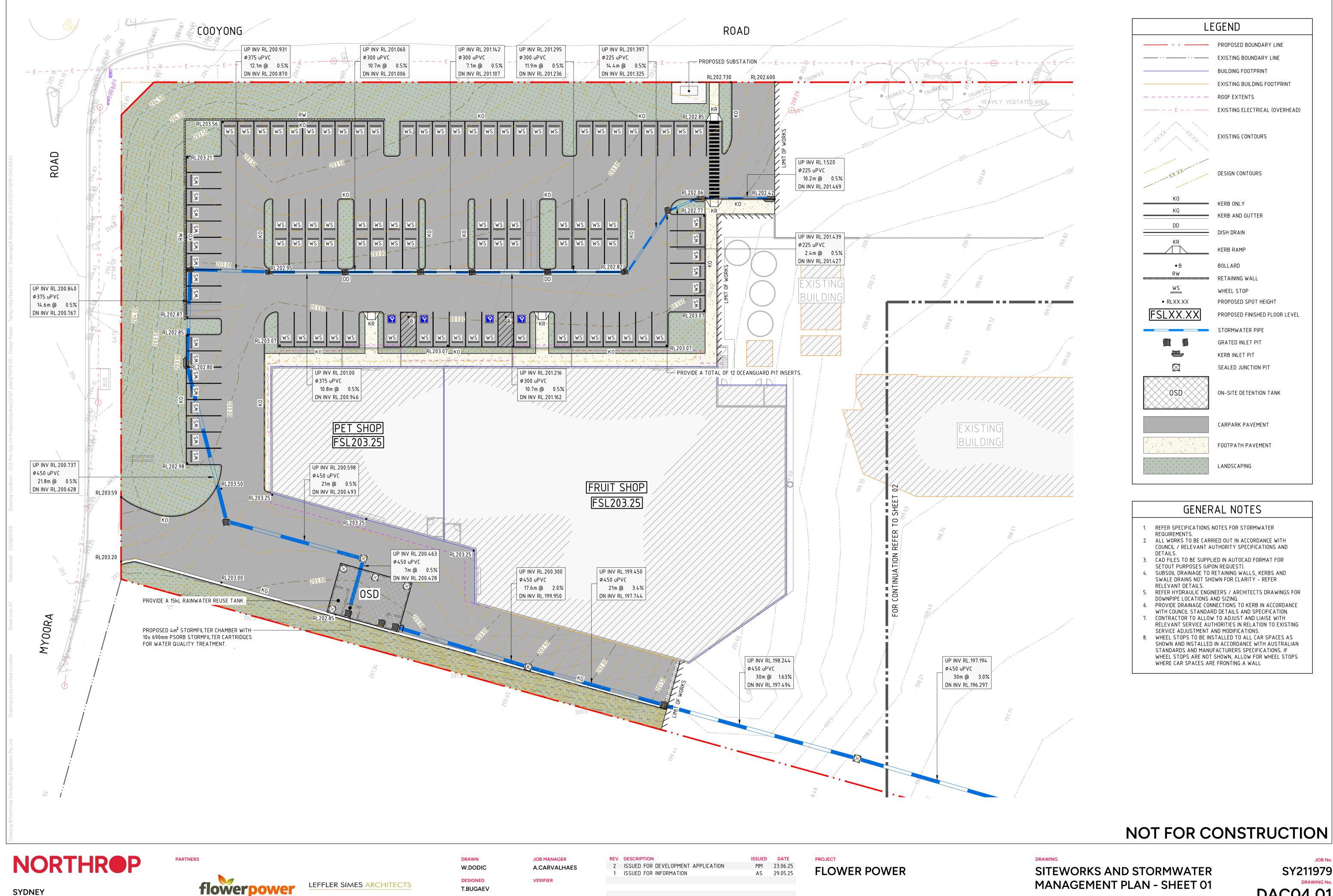
801/140 Arthur Street North Sydney NSW, 2060

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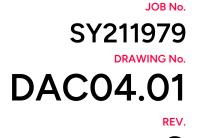
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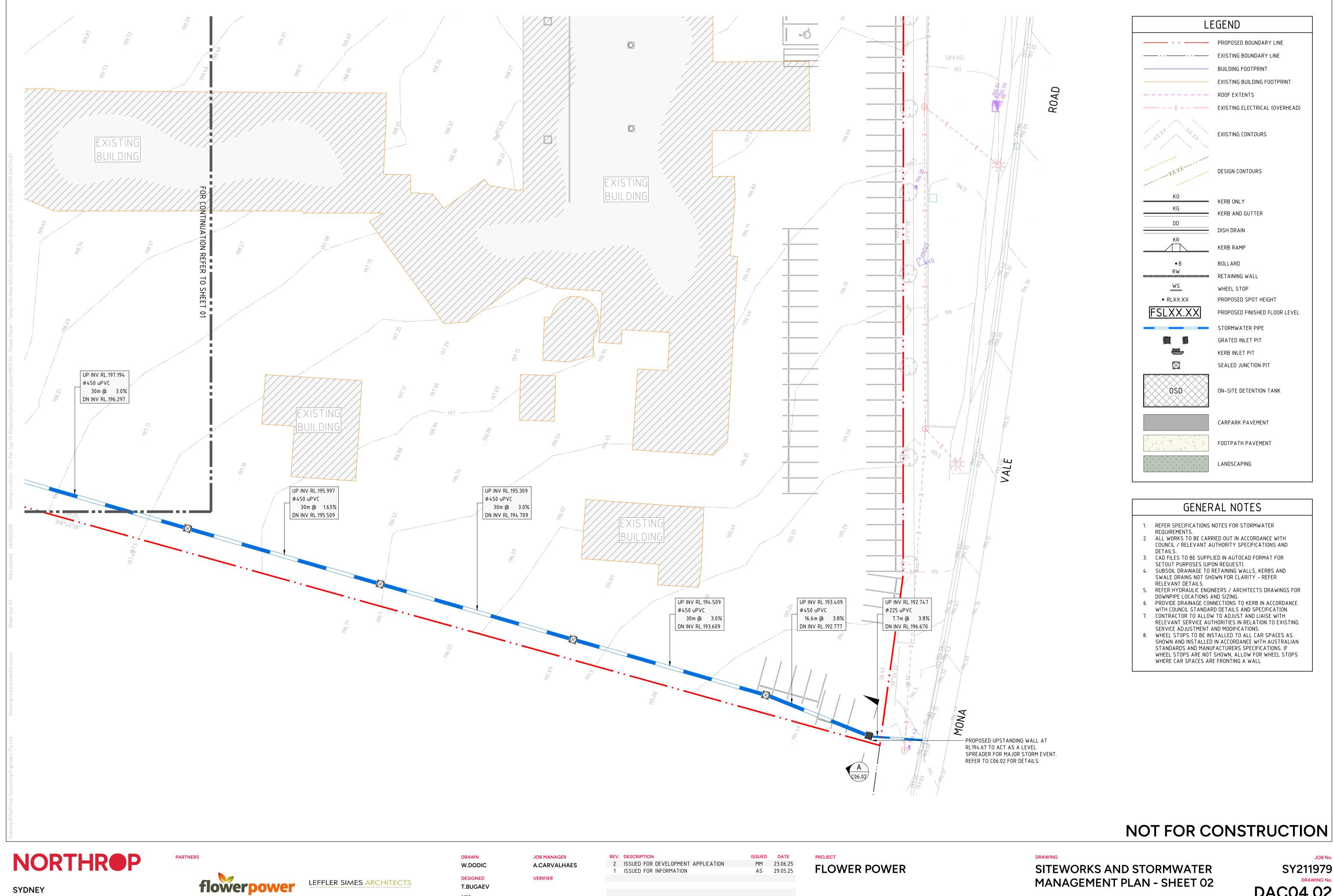


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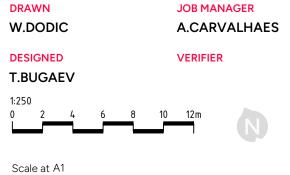


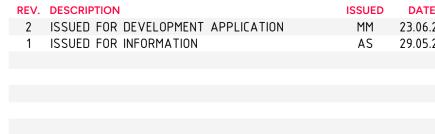


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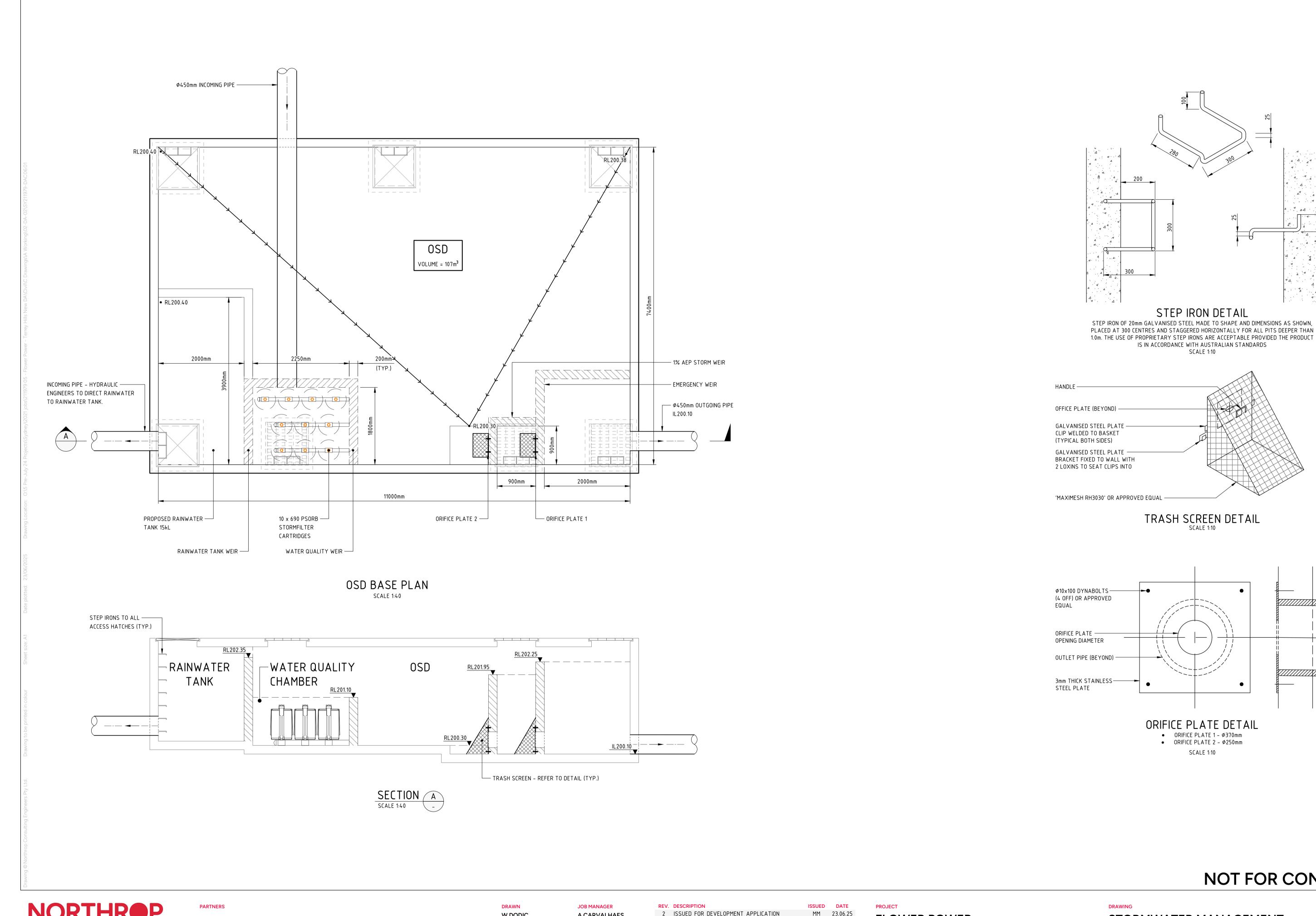


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LEFFLER SIMES ARCHITECTS

W.DODIC DESIGNED T.BUGAEV A.CARVALHAES VERIFIER

2 ISSUED FOR DEVELOPMENT APPLICATION MM 23.06.25 1 ISSUED FOR INFORMATION AS 29.05.25

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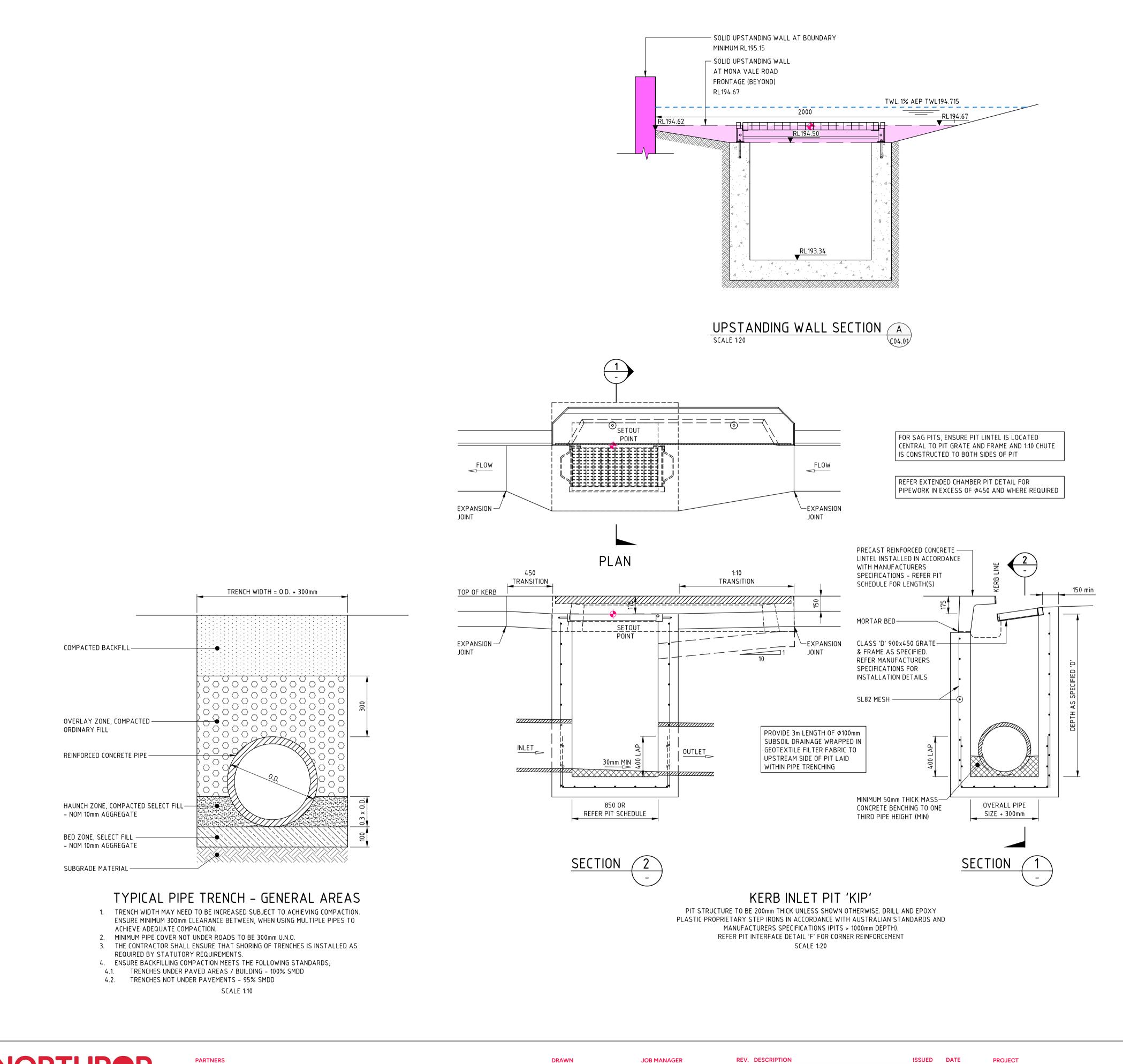
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<u>OUTLET</u>

STORMWATER MANAGEMENT **DETAILS - SHEET 01** 

SY211979 DAC06.01

SYDNEY



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ABN 81 094 433 100

flowerpower

277 Mona Vale Road

Terrey Hills NSW, 2084

LEFFLER SIMES ARCHITECTS

W.DODIC DESIGNED T.BUGAEV

VERIFIER

REV. DESCRIPTION ISSUED DATE 2 ISSUED FOR DEVELOPMENT APPLICATION MM 23.06.25 A.CARVALHAES ISSUED FOR INFORMATION AS 29.05.25

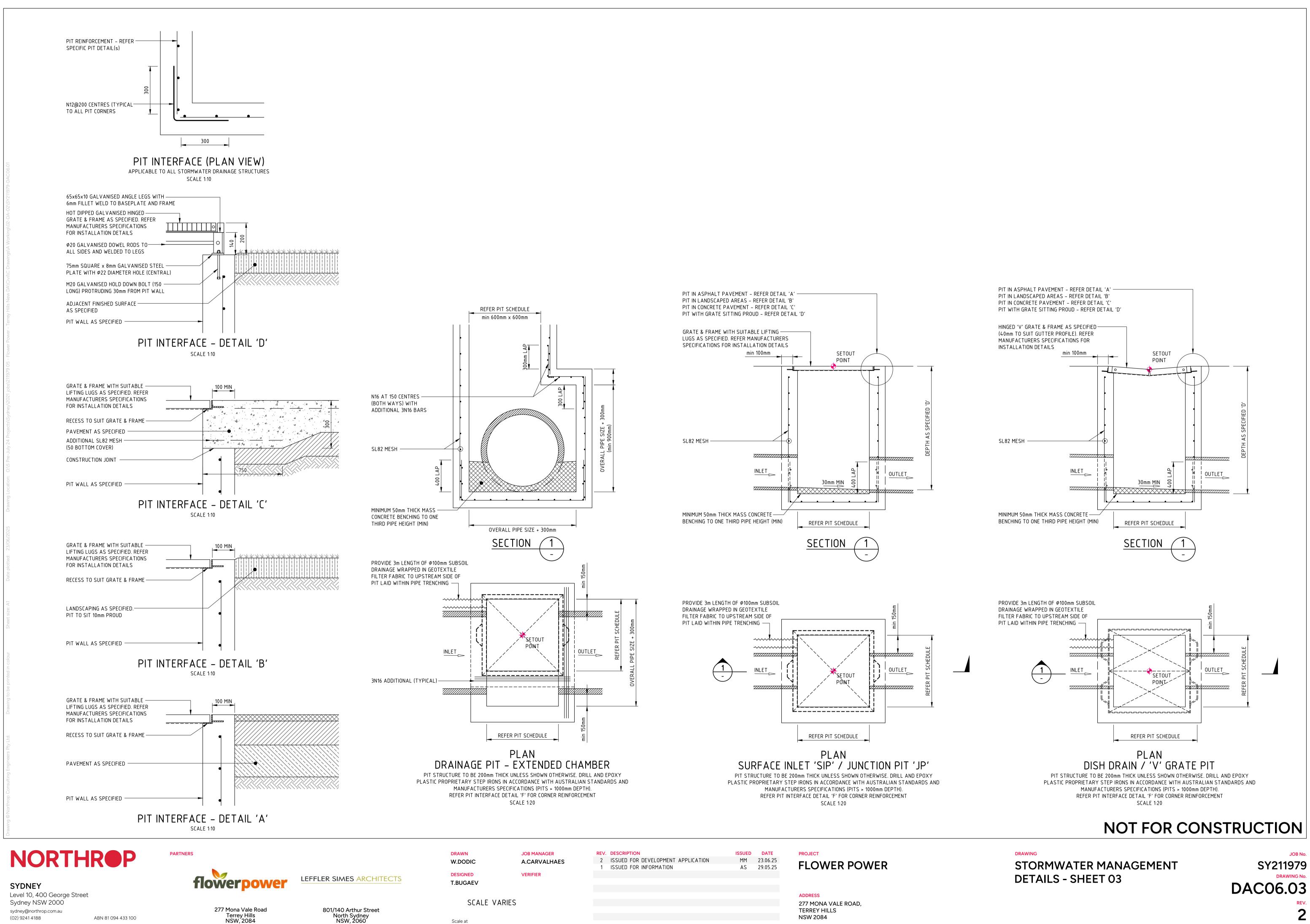
**FLOWER POWER** 

STORMWATER MANAGEMENT

**DETAILS - SHEET 02** 

SY211979 DAC06.02

SCALE VARIES 277 MONA VALE ROAD, 801/140 Arthur Street TERREY HILLS North Sydney NSW, 2060 NSW 2084 Scale at



Terrey Hills NSW, 2084

North Sydney NSW, 2060