### **LEGEND**



#### turf

Excavate / grade all areas to be turfed to 120mm below required finished levels. Do not excavate within 1500mm of the trunk of any existing tree to be retained. Ensure that all surface water runoff is directed towards inlet pits, kerbs etc.. and away from buildings. Ensure that no ponding will occur. Rip the subgrade to 150mm. Install 100mm depth of imported topsoil. Just prior to spreading the turf, spread "Shirley's No. 17 lawn fertilizer" over the topsoil at the recommended rate. Lay "Kikuyu" turf rolls closely butted. Fill and small gaps with topsoil. Water thoroughly.



turf (on top of basement slab)

Minimum soil depth to be 300mm



### brick garden edging

Lay a single coarse of paving bricks in a mortar haunch (200mm wide and 100mm deep). The edges are to be laid in even curves and straight lines as shown on the plan. Where tight curves are shown use half bricks to show a more even curve. The top of the edges to finish flush with the adjacent turf and mulch levels.



### stepping stones

Precast concrete stepping stones in decorative gravel mulch



existing trees to be removed ...

### existing trees to be retained

) ...

### planting areas

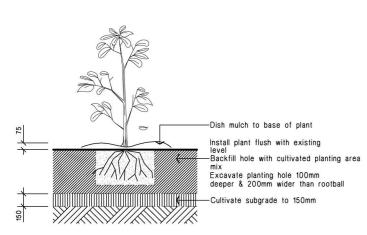
Ensure that the mass planting areas have been excavated to 300mm below finished levels. Rip to a further depth of 150mm. Supply and install 300mm soil mix. Soil mix to comprise of one part approved compost to three parts topsoil. Topsoil shall be either imported topsoil or stockpiled site topsoil (if suitable ie: No clay). Install 75mm depth of selected mulch.

### maintenance:

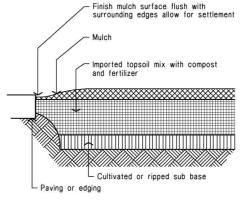
All landscape works are to be maintained for a period of three months from the date of practical completion. This includes all watering, weeding, spraying and re-mulching necessary to achieve vigorous growth. Any defects which arise during this period are to be rectified immediately. Any plants or areas of turf which fail during this period are to be replaced at no additional cost.

### fencing:

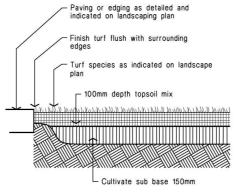
For all fencing types and materials refer to the Architects plans.



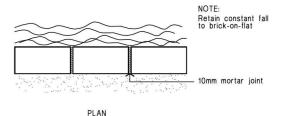
Planting in garden beds Detail. Not.To.Scale.

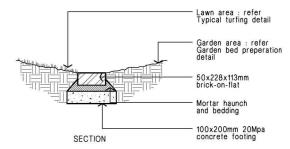


Ground preparation
Planting area using imported topsoil
Detail. Not.To.Scale.

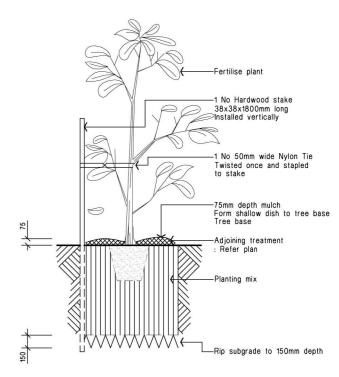


Ground preparation
Grassed area: turf using imported topsoil
Detail. Not.To.Scale.





Brick garden edge Detail.



15 - 35 litre Tree planting Detail. Not.To.Scale.



project:
PROPOSED BOARDING HOUSE
No. 6 Edith Street,
KINGSWOOD
client:
Mr Simon SASSINE

PLANT SCHEDULE

Trees

■ Shrubs

Groundcovers

Latin Name (Common Name - Mature Height)

Tristania laurina 'Luscious' (Water Gum - 10m)

Cwa Callistemon 'White Anzac' (White Bottlebrush - 1.5m)

Syzygium australe 'Resilience' (Lilly Pilly - 3m)

Bx Buxus microphylla 'Japonica' (Box - 1m)

Photinia 'Red Robin' (Photinia - 2.5m)

Syzygium 'Blaze' (Syzygium - 3m)

Dieties iridoides (Wild Iris - 0.8m)

Syzygium 'Cascade' (Syzygium - 3.5m)

Elaeocarpus eumundii (Smooth leaved Quandong - 8m)

Magnolia grandiflora 'Teddy Bear' (Dwarf Magnolia - 3m)

Raphiolepis 'Oriental Pearl' (Dwarf Indian hawthorne - 1m)

Lomandra longifolia 'Tanika' (Fine leaf dwarf lomandra - 0.6m) 5

Elaeocarpus reticulatus 'Prima donna' (Blue berry ash - 8m)

Size

Stake

35 litre yes

35 litre yes

35 litre ves

5 litre

150mm pot

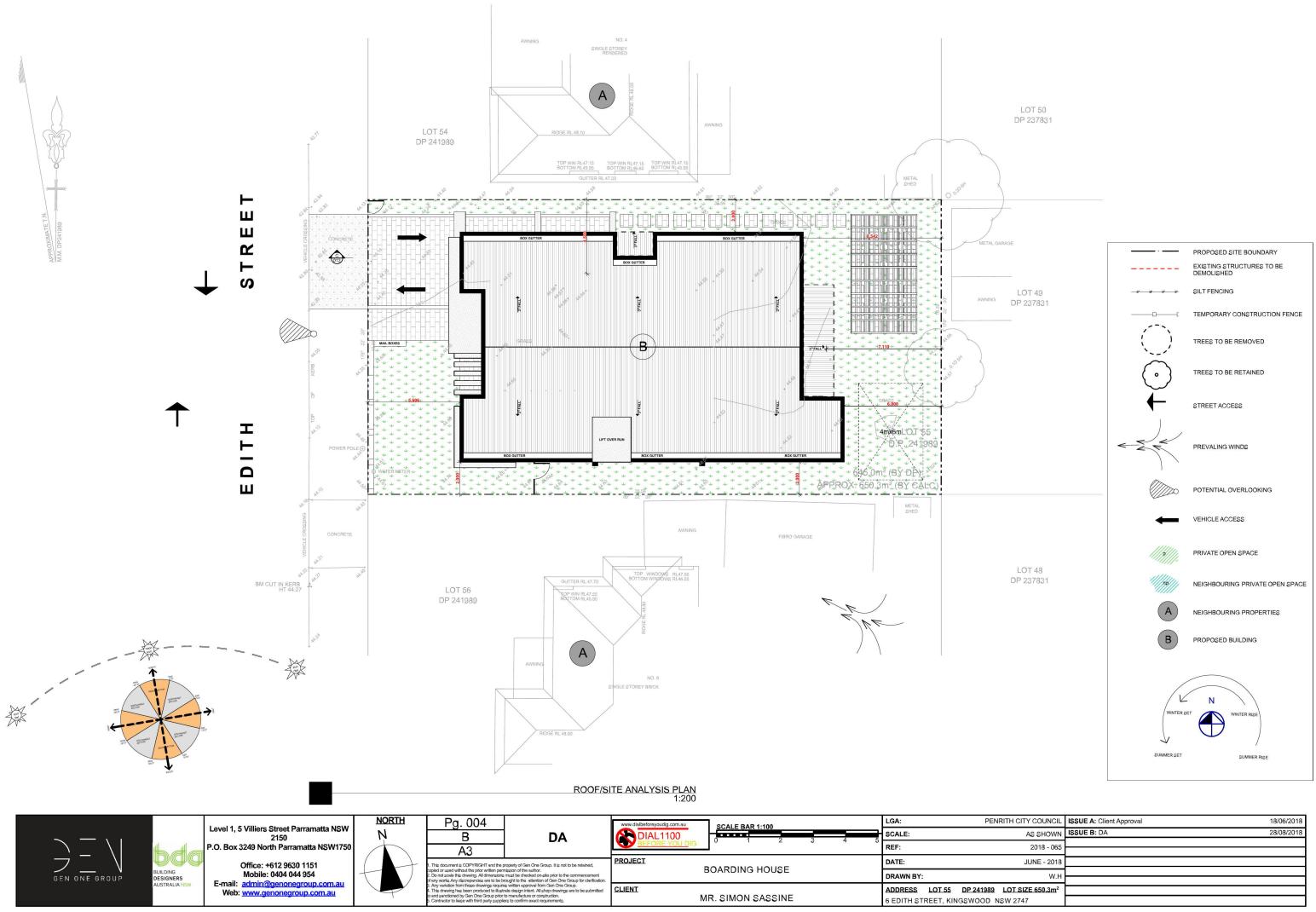
150mm pot





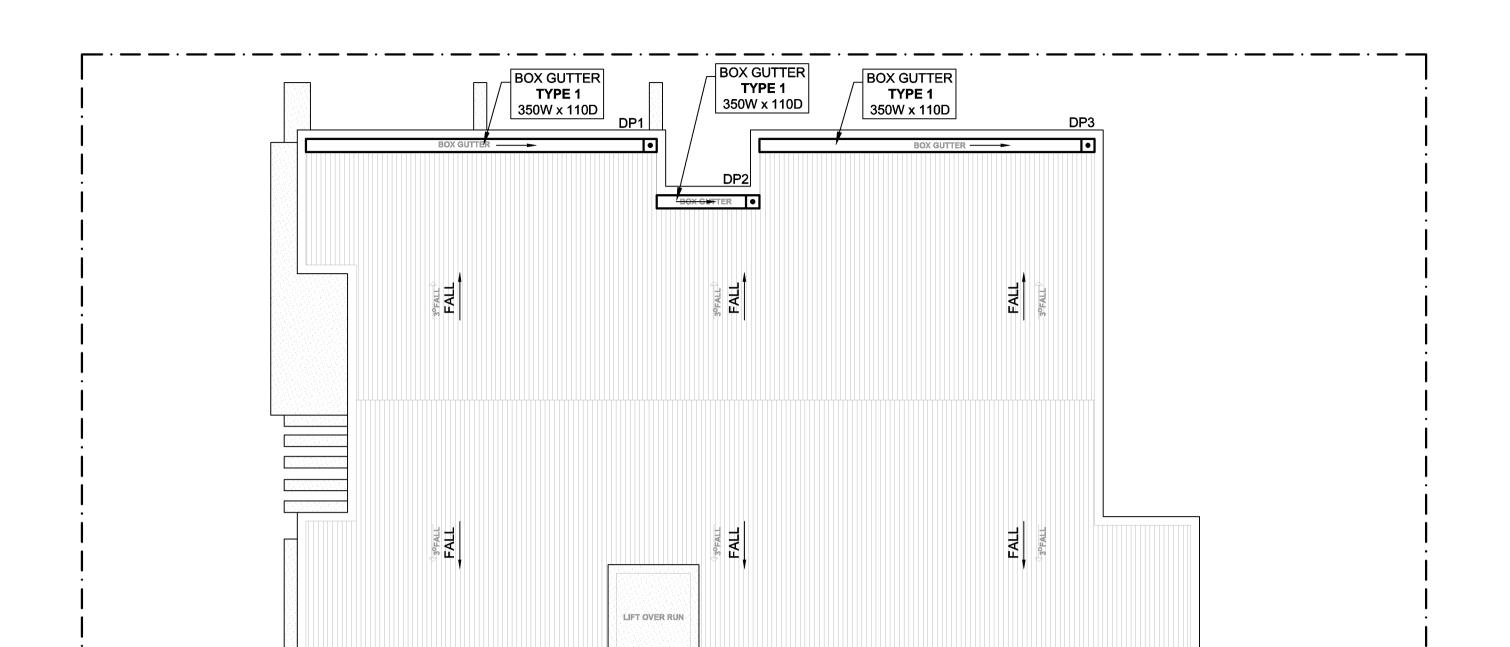
ASSOCIATES
landscape architects
12b, 241 PENNANT HILLS RD
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D 02 8860 0022

email: RAY@fuggle.net.au f m 0412 294 712 landscape architects abn 76 003 773 939



Document Set ID: 8490088 Version: 1, Version Date: 05/12/2018

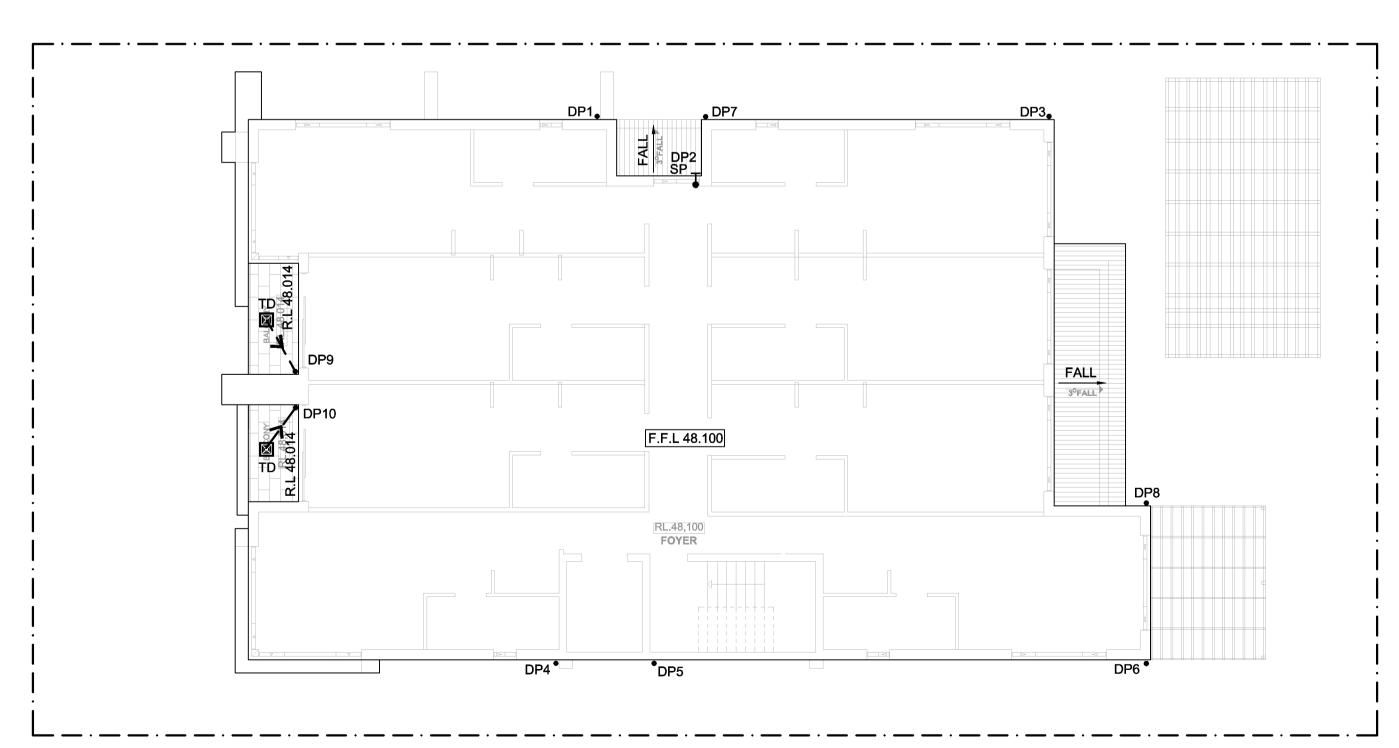




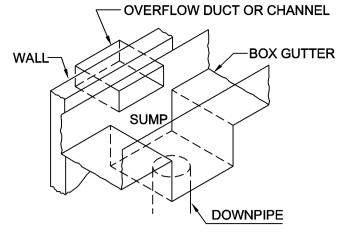
TYPE 1

BOX GUTTER **TYPE 1** 350W x 110D

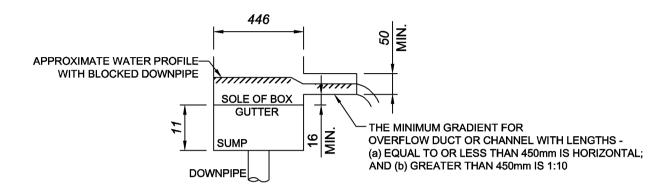
## ROOF LAYOUT



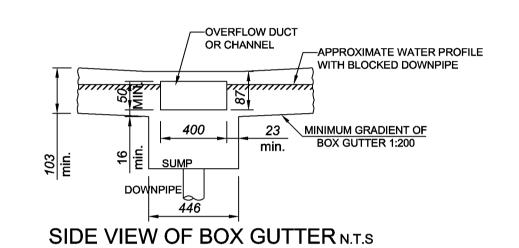
FIRST FLOOR LAYOUT

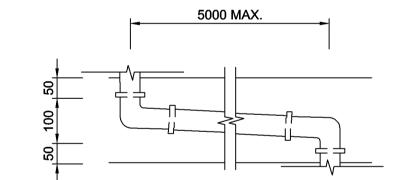


## SUMP TYPE 1 SUMP/SIDE OVERFLOW DEVICE



SECTION SHOWING OVERFLOW DUCT OR CHANNEL N.T.S





## CAST IN SLAB PIPE SCHEME N.T.S.

## LEVEL 6 NOTES

- 1. ALL PIPES TO HAVE MIN 1% FALL.
  2. NO CAST IN SLAB PIPE SECTIONS
  TO EXCEED 5000MM.
- 3. MIN 50MM COVER FOR CAST IN SLAB PIPES.

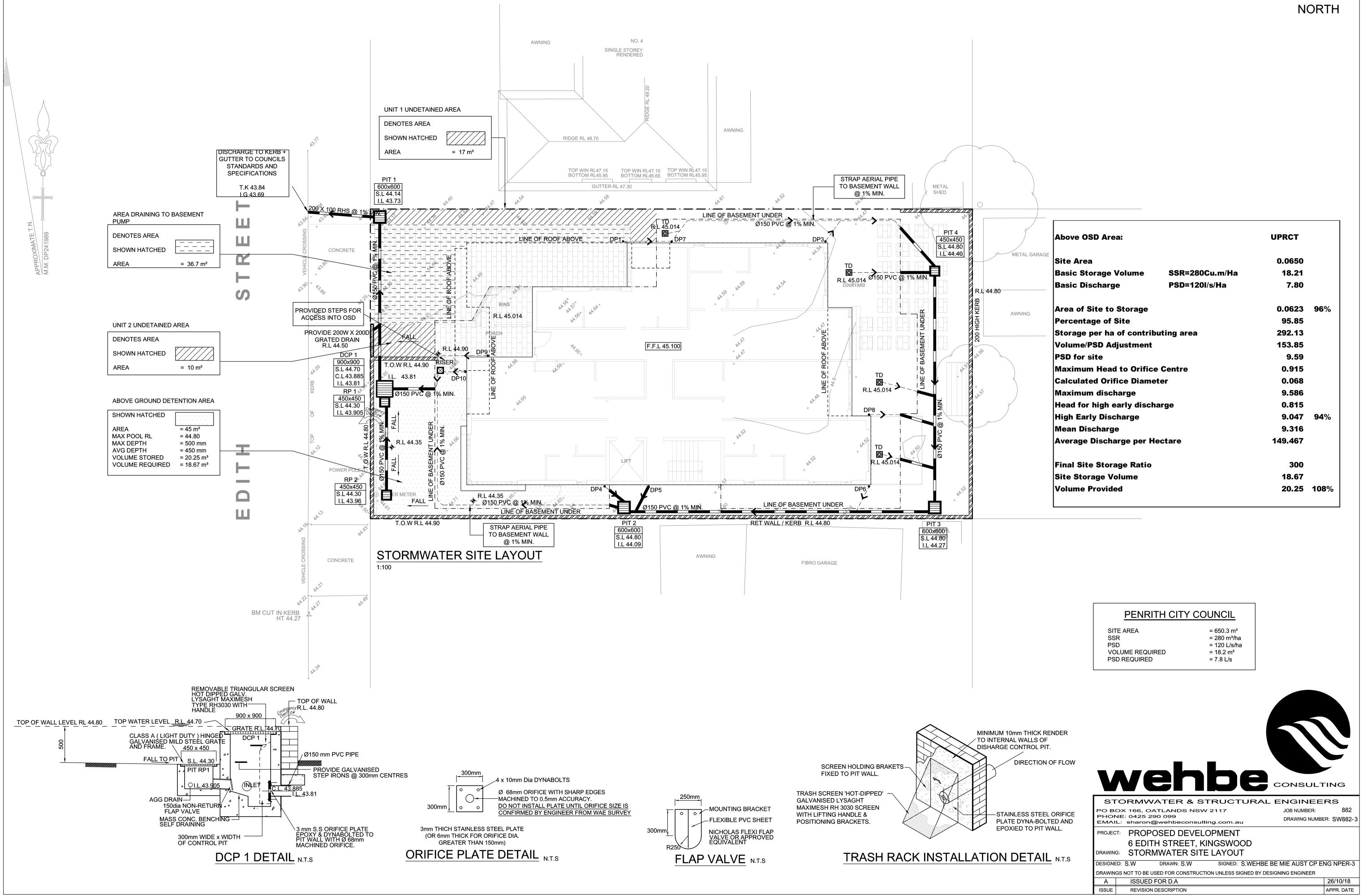


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PROJECT:	PROPO	SED DEVELO	PMENT	•			
	6 EDITH STREET, KINGSWOOD						
DRAWING:	ROOF A	AND FIRST FL	OOR LA	YOUT			
DESIGNED:	S.W	DRAWN: S.W	SIGNED:	S.WEHBE B	E MIE AUST CP EN	G NPER-3	
DRAWINGS N	IOT TO BE US	ED FOR CONSTRUCTION	ON UNLESS S	IGNED BY DESI	GNING ENGINEER		
Δ	ISSUED F	OR D A				26/10/18	

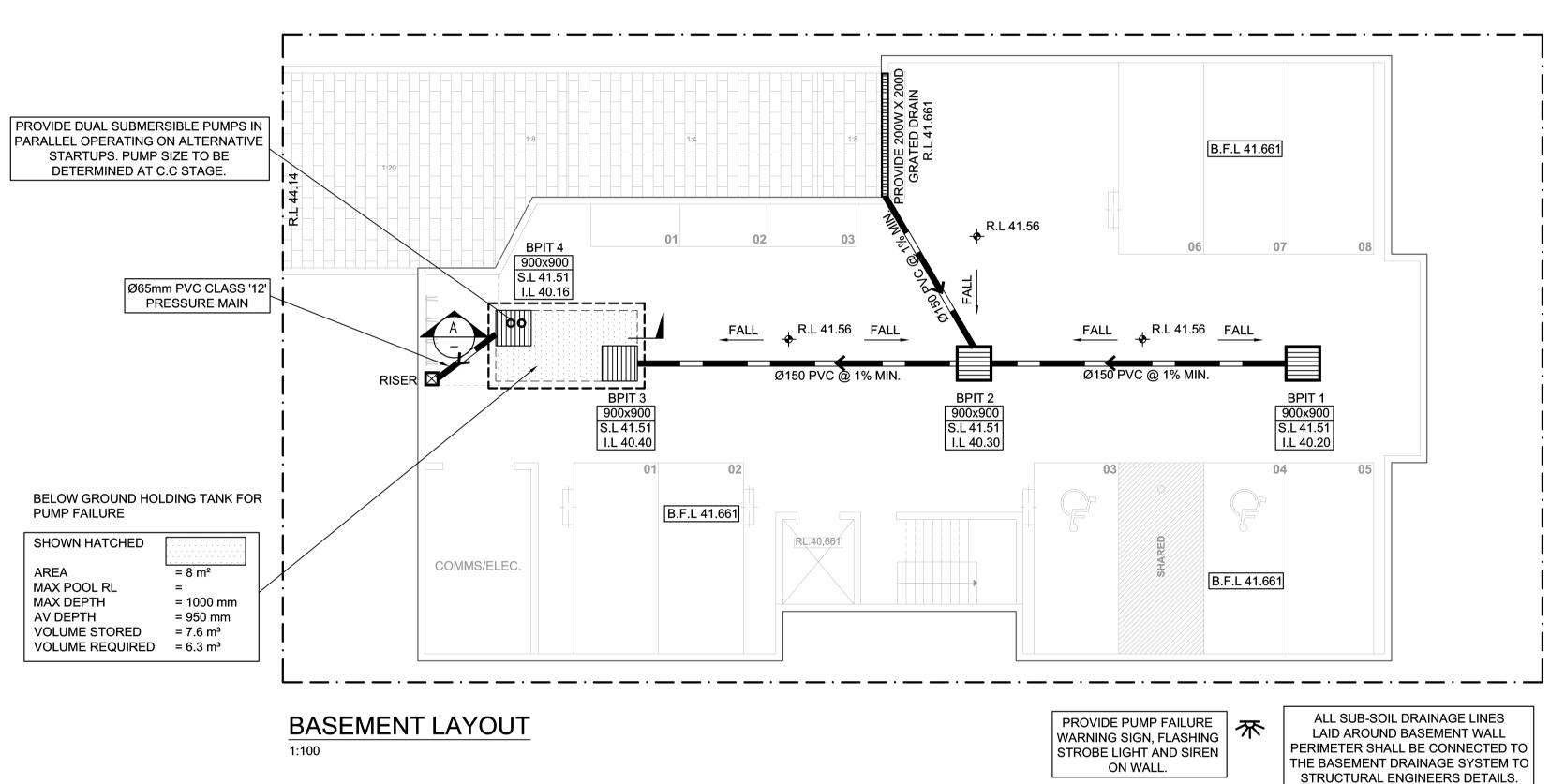
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 26/10/18

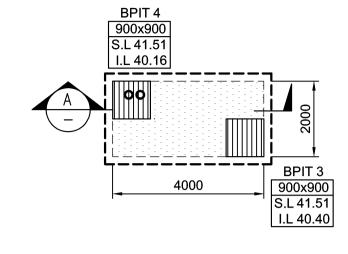
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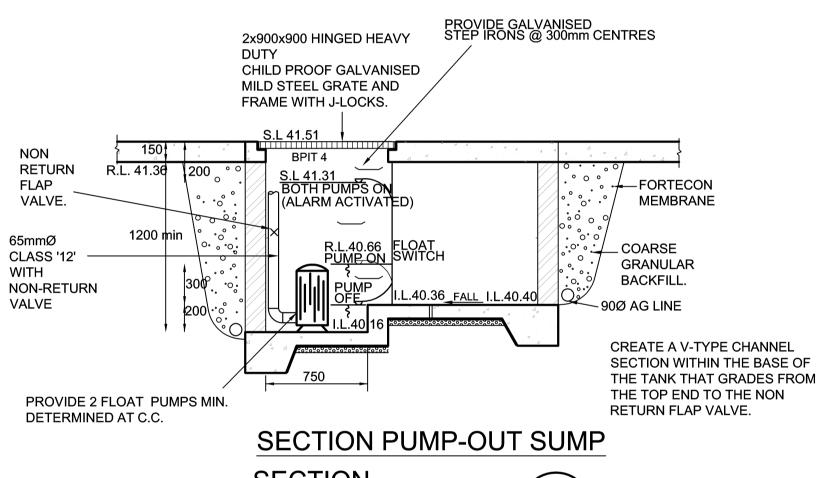








## OSD 1 - BELOW GROUND DETENTION BASIN N.T.S FOR TANK STRUCTURAL DETAILS REFER TO STRUCTURAL ENGINEER'S DETAILS

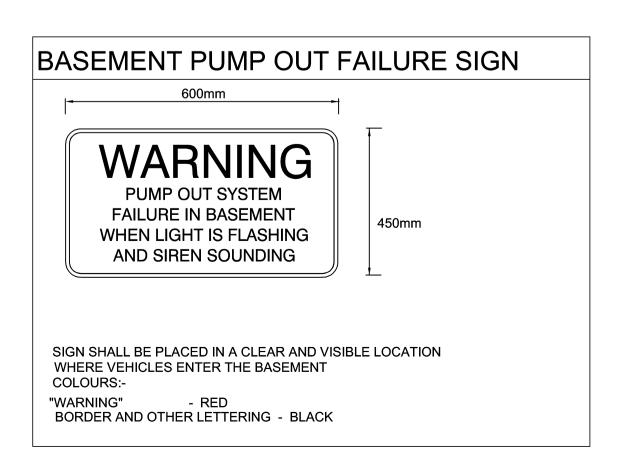


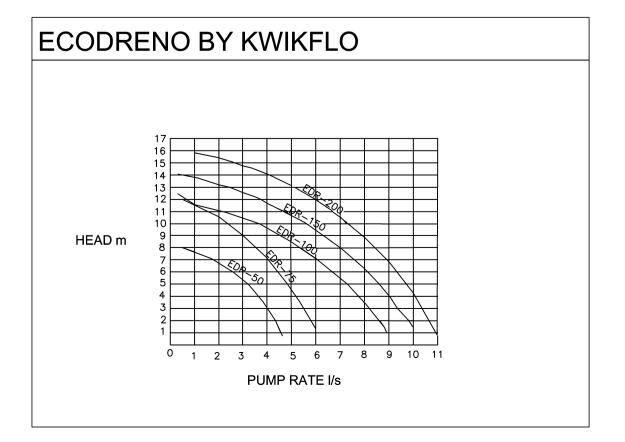
## STANDARD PUMP OUT NOTES

THE PUMP OUT SYSTEM SHALL BE DESIGNED TO BE OPERATED IN THE FOLLOWING MANNER:-

- THE PUMPS SHALL BE PROGRAMMED TO WORK ALTERNATELY SO AS TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE.
- A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS.
- A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 300MM ABOVE THE MINIMUM WATER LEVEL, WHEREBY ONE OF THE PUMPS WILL OPERATE AND DRAIN THE TANK TO THE LEVELNOF THE LOW LEVEL FLOAT.
- A THIRD FLOAT SHALL BE PROVIDED AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHOULD START THE OTHER PUMP THAT IS NOT OPERATING AND ACTIVATE THE ALARM.

AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT AND A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.







STORMWATER & STRUCTURAL ENGINEERS
PO BOX 166, OATLANDS NSW 2117 JOB NUMBER: 882
PHONE: 0425 290 099
EMAIL: sharon@wehbeconsulting.com.au

PROJECT: PROPOSED DEVELOPMENT
6 EDITH STREET, KINGSWOOD
DRAWING: BASEMENT LAYOUT

DESIGNED: S.W DRAWN: S.W SIGNED: S.WEHBE BE MIE AUST CP ENG NPER-3
DRAWINGS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED BY DESIGNING ENGINEER

 A
 ISSUED FOR D.A
 26/10/18

 ISSUE
 REVISION DESCRIPTION
 APPR. DATE

# PROPOSED RESIDENTIAL DEVELOPMENT 6 EDITH STREET, KINGSWOOD

### STORMWATER LAYOUT NOTES

1) PITS DEEPER THAN 600mm TO BE 600 X 900 W, ELSE 450 SQ U.N.O. 2) ALL PIPES TO HAVE 1% MIN. GRADE U.N.O.

3) ALL GUTTERS SHALL BE MINIMUM 100 X  $\,$  75MM & DOWNPIPES TO BE 100 X 75 BOX

4) PIPES TO BE U.P.V.C. OR STORMWATER PIPE TO A.S.1254. 5) PITS TO BE STANDARD PRECAST CONCRETE PITS OR BRICK RENDERED WITH

CONCRETE HEAVY DUTY GRATES SIZED 6) NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE

MAXIMUM WATER SURFACE LEVEL IN DETENTION BASINS. 7) PERSONS UTILISING THIS PLAN FOR ANY PURPOSES SHALL VERIFY DATUM & RESPECTIVE LEVELS PRIOR TO COMMENCING ANY WORKS & NOTIFY ENGINEER

) DRIVEWAY LEVELS PROVIDED FOR DRAINAGE DESIGN PURPOSES ONLY. LEVELS MAY BE ADJUSTED TO SUIT FINAL HOUSE CUT/FILL CONDITIONS BUT NEED TO MAINTAIN INTENT OF DRAINAGE SYSTEM. ENGINEER TO BE CONSULTED PRIOR TO CONSTRUCTION TO ENSURE INTENT MAINTAINED.

9) END OF EXISTING DRAINAGE LINE TO BE EXPOSED & LEVELS CONFIRMED BY THE BUILDER PRIOR TO COMMENCEMENT OF WORKS.

10) BUILDERS TO ENSURE SERVICES CONNECTIONS TO HOUSE DO NOT CONFLICT WITH DRAINAGE DESIGN REQUIREMENTS.

 ALL WORKS TO BE CONSTRUCTED TO GOOD BUILDING PRACTISE 12) PROVIDE STEPS OR RAMP TO ALL OSD FOR MAINTANENCE AND ACCESS. 13) ALL DETENTION WALLS TO BE WATER TIGHT AND SMOOTH FINISHED. 14) ALL DETENTION WALLS SHALL BE CONSTRUCTED WITHIN THE PROPERTY

BOUNDARIES OF THE SITE BEING DEVELOPED.

15) LANDSCAPE AREA WITHIN OSD STORAGE AREAS ARE TO BE MULCHED WITH DECORATIVE ROCK MULCH.

16) IF RAINWATER TANK IS PROVIDED, CONNECT OVERFLOW FROM THE RAINWATER TANK TO OSD. CONNECT ONLY THE ROOF WATER TO THE RAINWATER TANK.

### **LEGEND** PIT LABEL PLANTER DRAIN SUMP PIT TERRACE DRAIN DRAINAGE PIPE **CLEANING EYE** — — AERIAL PIPE **EXISTING REDUCED LEVEL** R.L 157.00 PROPOSED REDUCED LEVEL JUNCTION PIT SURFACE LEVEL DOWNPIPE S.L. RAIN WATER HEAD INVERT LEVEL **OVERLAND FLOW** F.F.L. FINISHED FLOOR LEVEL SPILLWAY GARAGE FLOOR LEVEL SPITTER/SPREADER \_\_\_ s \_\_\_ SEDIMENT FENCE ABOVE GROUND RAINWATER TANK

## LIST OF DRAWINGS

SW882-1 CONSTRUCTION NOTES AND STANDARD DETAILS

**ROOF & FIRST FLOOR LAYOUT** SW882-3 STORMWATER SITE LAYOUT SW882-4 BASEMENT LAYOUT

PIPE SCHEDULE DETERMINED AT C.C								
TAG	SIZE	MATERIAL	GRADE	DESCRIPTION				
'A'	100DIA	PVC	1% MIN	REGULAR GRAVITY PIPE				
'B'	150DIA	PVC	1% MIN	REGULAR GRAVITY PIPE				
'C'	225DIA	PVC	1% MIN	REGULAR GRAVITY PIPE				
'D'	300DIA	RCP	2% MIN	REGULAR GRAVITY PIPE				
'E'	200X100	RHS	1% MIN	GALVANISED STEEL				
'W'	100DIA	PVC	1% MIN	TO FEED RAINWATER TANK				
'X'	150DIA	PVC	1% MIN	TO FEED RAINWATER TANK				
'Y'	225DIA	PVC	1% MIN	TO FEED RAINWATER TANK				
'Z'	300DIA	PVC	1% MIN	TO FEED RAINWATER TANK				

## SIGNAGE FOR EXCAVATION N.T.S.



## RAINWATER TANK IF REQUIRED

LABELS SHALL BE FIXED ADJACENT TO ALL OUTDOOR WATERING TAPS

STATING THAT THE WATER IS NOT TO BE CONSUMED. AN EMERGENCY MAINS TAP SHALL BE PROVIDED ADJACENT TO THE WATER METER AND CONNECTED TO THE MAINS SUPPLY

RAINWATER TANK SUPPLY SHALL NOT BE CONNECTED TO DRINKING AND BATHING WATER TAP OUTLETS.
FIRST FLUSH DEVICES TO BE FITTED TO ALL DOWNPIPES CONNECTED TO THE

RAINWATER TANK.

5) ALL DOWNPIPES ARE TO BE ENTIRELY P.V.C. ALL PIPES ARE TO BE SEALED UPTO UNDERSIDE OF ROOF GUTTERS.
ENSURE ALL CONNECTIONS WITHIN CHARGED SYSTEMS ARE SOLVENT WELDED TANK SHALL BE CONNECTED TO A SYDNEY WATER APPROVED CONTROL PANEL

TO NSURE MAINS WATER SUPPLY IS PROVIDED WHEN TANK EMPTIES. 8) ALL PLUMBING WORKS SHALL BE CARRIED OUT BY A LICENSED PLUMBER IN ACCORDANCE WITH SYDNEY WATERGUIDELINES AND THE "NSW CODE OF PRACTICE: "PLUMBING AND DRAINAGE"

### SIGN FOR BELOW GROUND TANK N.T.S.



COLOURS:

'DANGER' AND BACKGROUND ELLIPTICAL AREA RECTANGLE CONTAINING ELLIPSE

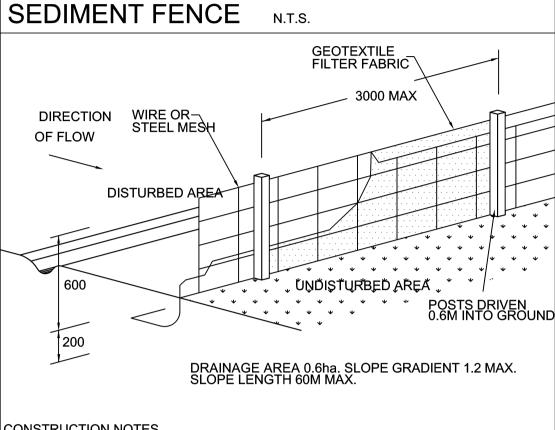
OTHER LETTERING AND BORDER

- RED - BLACK - BLACK

A) A CONFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A LOCATION AT ALL ACCESS POINTS, SUCH THAT IT IS CLEARLY VISIBLE TO PERSONS PROPOSING TO ENTER THE BELOW GROUND TANK/S CONFINED SPACE. B) MINIMUM DIMENSIONS OF THE SIGN:

- 300mm x 450mm (LARGE ENTRIES, SUCH AS DOORS) - 250mm x 180mm (SMALL ENTRIES SUCH AS GRATES & MANHOLES) C) THE SIGN SHALL BE MANUFACTURED FROM COLOUR BONDED ALUMINIUM

OR POLYPROPELENE. D) SIGN SHALL BE AFFIXED USING SCREWS AT EACH CORNER OF THE SIGN.

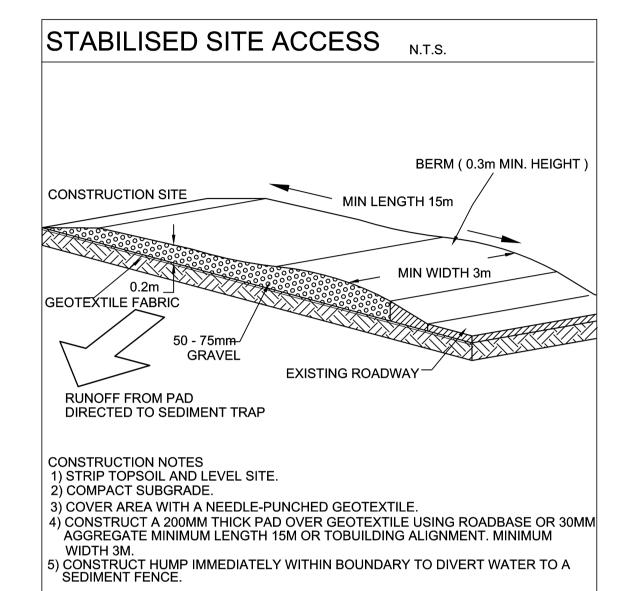


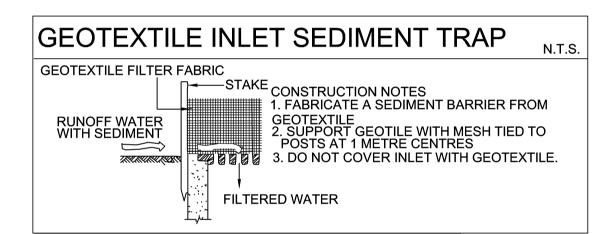
1) CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO THE CONTOURS OF

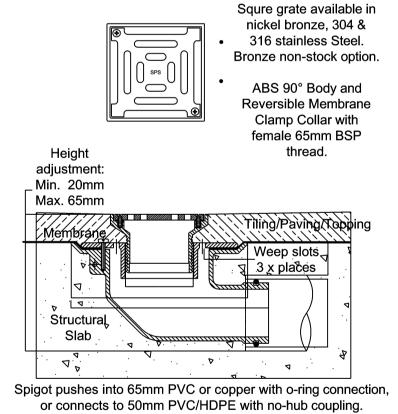
2) DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND, 3 METRES APART. 3) DIG A 150MM DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED. 4) BACKFILL TRENCH OVER BASE OF FABRIC.

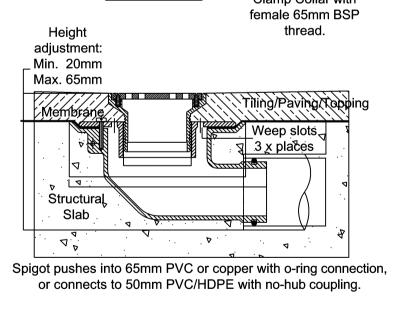
5) FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER. 6) JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150MM OVERLAP.

## ROCK KERB INLET SEDIMENT TRAP N.T.S 50mm GAP TO ALLOW OVERTOPPING





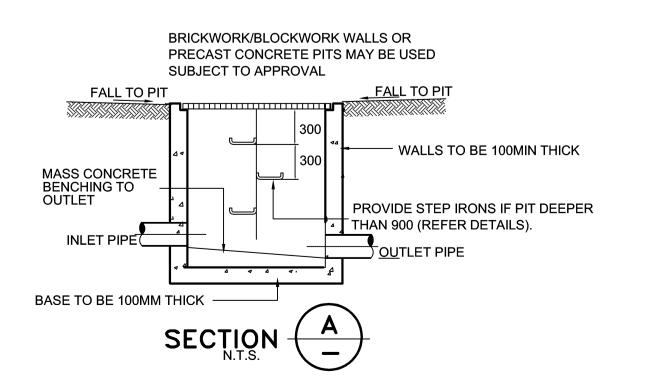




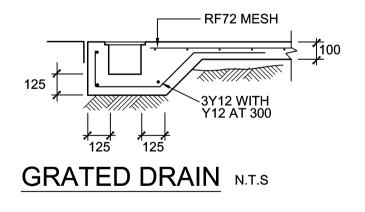


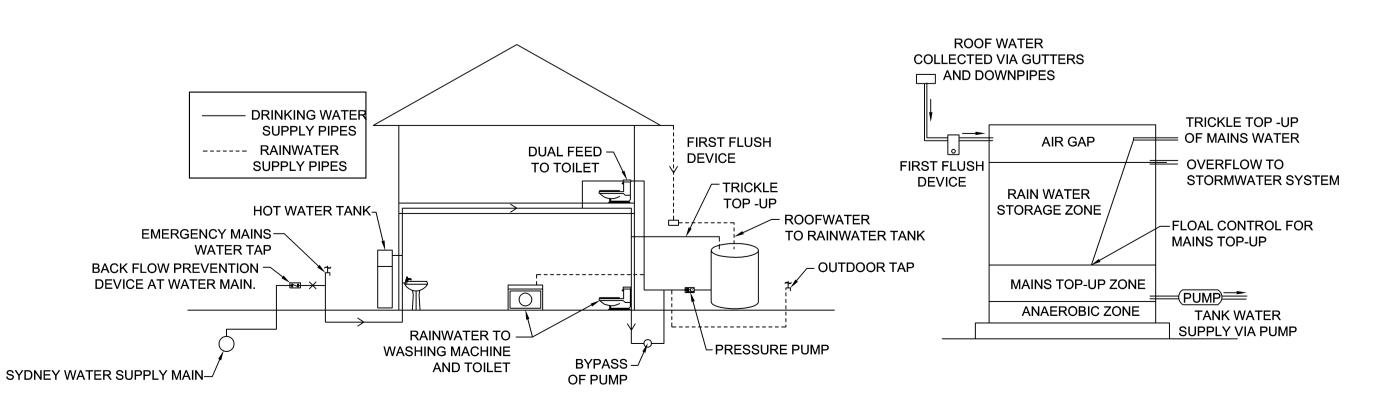


## $oxedsymbol{oxed}\mathsf{CLASS}$ A ( <code>LIGHT DUTY</code> ) <code>HINGED</code> GALVANISED MILD STEEL GRATE PITS 300 TO 600 DEEP, PROVIDE 450 x 450 GRATE PITS 600 TO 1200 DEEP, PROVIDE 900 x 600 GRATE PITS GREATER THAN 1200 DEEP, PROVIDE 900 x 900 GRATE **PLAN** N.T.S.



TYPICAL PIT DETAILS

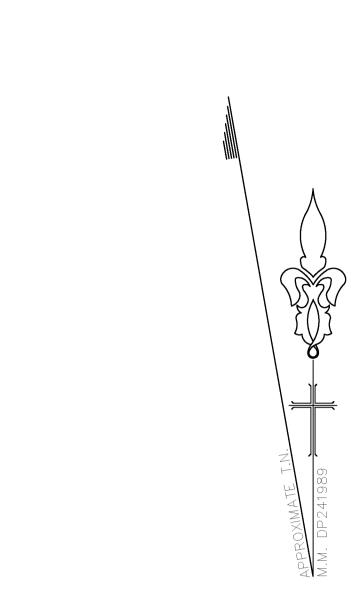




RAINWATER TANK EXPLANATORY DIAGRAM NTS

RAINWATER TANK CONFIGURATION DIAGRAM

Version: 1, Version Date: 05/12/2018



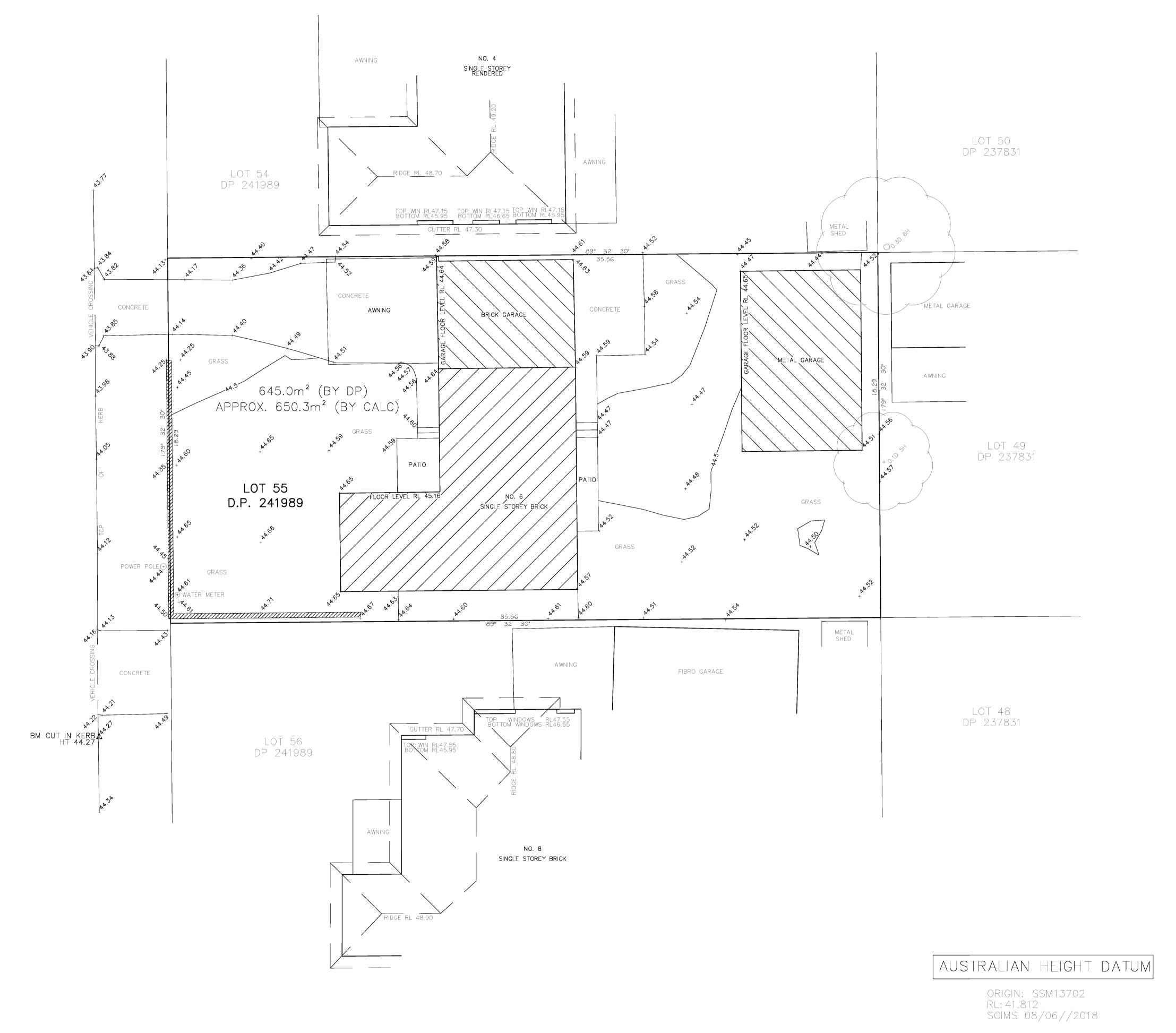


### IMPORTANT NOTES:

- 1. This detail survey is not a "survey" as defined by the Surveying and Spatial Information Act 2002. If any structure is to be erected upon the land then the boundary corners MUST be marked.
- 2. All bearings and distances are subject to final survey.
- 3. If any building or structure is to be located relative to an existing feature shown on this plan, such feature should be located accurately by survey.
- 4. Underground services have not been surveyed. Only visible services are shown and are in approximate positions only. A "Dial Before You Dig" search MUST be made before any excavation and construction work
- 5. Ridge and gutter heights on subject and adjoining properties are approximate only.
- 6. All tree canopies are to scale

can commence

- 7. Contours show indicative relief patterns only and are not to be used for level interpolation
- 8. These general notes should be stored with the supplied CAD drawing



DATE REVISION BY

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2 1 0 2 4 6 8 10

SCALE 1:100 @ A1

NOTE: ALL DIMENSIONS ARE IN METRES UNLESS SPECIFIED OTHERWISE

DRAWN: AS

SURVEYED: AS

CHECKED: DH

M.I.S. NSW

TIETUS

SURVEYES

MELTICAL

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Land & Engineering Surveyors
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Mobile: 0405 416 914
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CLIENT: GENONE DESIGN

PROJECT: 6 EDITH STREET, KINGSWOOD
TOPOGRAPHICAL SURVEY

DRAWING No:
118189



Document Set ID: 8490088 Version: 1, Version Date: 05/12/2018

