

DRAINAGE LAYOUT PLAN

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

APPROXIMATE LOCATIONS OF EXISTING SERVICES SHOWN EXACT LOCATIONS & DEPTHS TO BE ACCURATELY LOCATED BY BUILDER CONTRACTOR BY CONTACTING THE RELEVANT AUTHORTIES BEFORE COMMENCEMENT OF ANY

	TO		
TAG PIPE Ø MATERIA			Min. GRADE
Α	100	PVC	1%
В	100 CHARGED	PVC	1%
С	100 OVERFLOW	PVC	ı
DP	100	PVC	_

PIPE SCHEDULE

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

= FLOOR OUTLET , REFER TO DETAIL

100Ø = Ø100 CHARGED LINE

IP = Ø150 INSPECTION POINT

RWH = RAIN WATER HEAD RWO = RAIN WATER OUTLET (300 x 300)

FG = FLOOR GULLY Ø150

RL 16.85 = PROPOSED FINISHED SURFACE LEVEL

RAINWATER

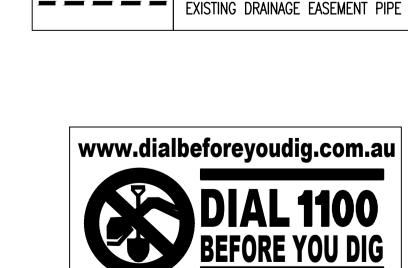
NOT SUITABLE FOR DRINKING

RAINWATER SIGN GROUND FLOOR DRAINAGE PLAN ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO. ACCESS GRATE CLASS B WITH CHILD PROOF "J" BOLT PLAN ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO. OR APPROVED EQUIVALENT. REFER TO PLAN FOR PIT SIZE. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER $SIZE = 6700 \text{ mm}^2$ MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500 THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED: $DP = \emptyset 100, UNO.$ FD = FLOOR OUTLET, REFER TO DETAIL SIP = SURFACE INLET PIT (NO LINTEL) 100Ø = Ø100 CHARGED LINE IP = Ø150 INSPECTION POINT as per plan CONCRETE BENCHING/SHAPING TO BASE OF ALL PITS RWH = RAIN WATER HEAD RWO = RAIN WATER OUTLET (300 x 300)

SECTION-TYPICAL SURFACE INLET PIT

BOND BREAKER TAPE & APPROVED SEALANT REINFORCEMENT TO STOP REINFORCEMENT STRUCTURAL 50 CLEAR OF JOINT **ENGINEER'S DETAILS**

SECTION-TYPICAL GRATED DRAIN



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F	ISSUED FOR APPROVAL	19/05/2023		l
E	ISSUED FOR APPROVAL	18/05/2023		
D	RWT MOVED	11/05/2023		
С	MINOR AMENDMENTS	05/10/2022		
В	MINOR AMENDMENTS	27/09/2022		
Α	PRELIMINARY DESIGN	20/09/2022		

ISSUE DATE

ISSUE

ISSUED TO

ISSUE DATE

AMENDMENT

FFL22.285

DP



1:100 @ A1

= FLOOR GULLY Ø150

= RAINWATER SPREADER

RL 16.85 = PROPOSED FINISHED SURFACE LEVEL

+ FFL22.285

SUITE 303 / 29-31 LEXINGTON DRIVE NORWEST BUSINESS PARK, BELLA VISTA N.S.W. 2153

ALL CORRESPONDENCE TO: P.O. BOX 6080 BAULKHAM HILLS BC **BAULKHAM HILLS NSW 2153**

PH. 8814 6191 FAX 8814 5301 MOB. 0425 270 333 EMAIL andrew@camconsulting.com.au

PROJECT
PROPOSED DEVELOPMEN
LOT 2, 6 ORCHARD STREE
WARRIEWOOD

DRAWING TITLE		
BASEMENT AND GROUN	D	FLOOR
DRAINAGE LAYOUT PLA	Ν	

SKYCORP	SCALES A1 - 1:100	DESIGNED A.C.	DRAFTED M.W.
ARCHITECT / PROJECT MANAGER PTI ARCHITECTURE	DRAWING NO. C22065 -SW 100	APPROVED A.C.	REVISION F

PLEASE NOTE - AS PER BASIX REPORT

COLLECTED BY RAINWATER TANK

- MINIMUM TANK SIZE TO BE 1000 LITRES

- MINIMUM ROOF CATCHMENT AREA OF 100 SQUARE METRES TO BE

8. SWD PITS CAN BE PRE-CAST SIZED AS FOLLOWS: 450mm SQ. UP TO 600mm DEEP 600mm SQ. UP TO 1000mm DEEP

NOTES

SPECIFICATON.

CONTRACTORS EXPENSE.

9. ALL PITS LOCATED IN TRAFFICABLE AREAS, (IE, DRIVEWAYS) TO HAVE MEDIUM DUTY GRATED COVERS SUITABLE FOR WITHSTANDING LOADS ASSOCIATED WITH SMALL TRUCKS.

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE

2. PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR SHALL

ARCHITECTURAL DRAWINGS, STRUCTURAL DRAWINGS AND THE

SATISFY HIMSELF OF THE CORRECT LOCATION OF EXISTING

SERVICES WHETHER INDICATED OR NOT ON THE PLANS. ANY

DAMAGE TO EXISTING SERVICES SHALL BE RECTIFIED AT THE

3. TRAFFIC MANAGEMENT MEASURES HAVE TO BE IMPLEMENTED

AND MAINTAINED DURING CONSTRUCTON. ALL IN ACCORDANCE

WITH COUNCIL'S REQUIREMENTS. THE CONTRACTOR SHALL

MAINTAIN SAFE PEDESTRIAN ACCESS ALONG THE FOOTPATH.

MEASURES TO AVOID LOCALISED PONDING OF SURFACE RUN-OFF.

5. REFER TO ARCHITECT'S DRAWINGS FOR ALL DETAILS (LEVELS,

GRADING ETC.) OF DRIVEWAYS, CONCRETE AND PAVED AREAS,

6. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR DETAILS

7. ALL SWD PIPES ARE UPVC AT 1.0% MINIMUM GRADE (UNO).

AND RETAINING WALL TYPES AND LOCATIONS.

AND EXTENT OF ALL LANDSCAPED AREAS.

4. THE CONTRACTOR SHALL EFFECT TEMPORARY DRAINAGE

10. PROVIDE STEP IRONS TO ALL PITS GREATER THAN 1.2m DEEP. 11. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF

12. TOPSOIL SHALL BE STRIPPED DN STOCKPILED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE LINES. THIS TOPSOIL IS TO BE RESPREAD LATER ON AREAS TO BE REVEGETATED. 13. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES. ALL SILT REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE SUPERINTENDENT. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL. 14. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL UNTIL

LEGEND

NEW REDUCED LEVEL

GROUND FLOOR LEVEL

REFER TO PIPE SEHEDULE

FINISH FLOOR LEVEL

SURFACE INLET PIT

RAIN WATER HEAD

PIT: SIZE AS MARKED

W:200mm x D:200mm

GRATED DRAIN

GROUND FALL

OVERLAND FLOW

SEALED PIT: SIZE AS MARKED

UPVC PIPE TO RAIN WATER TANK

UPVC DRAINAGE PIPE IN GROUND

RWT OVERFLOW PIPE & OUTLET PIPE

PIPE LABEL

DOWNPIPE

FINAL COMPLETION OF WORKS.

RL 00.000

GFL. 00.00

FFL. 00.00

A,B,C,D, etc.

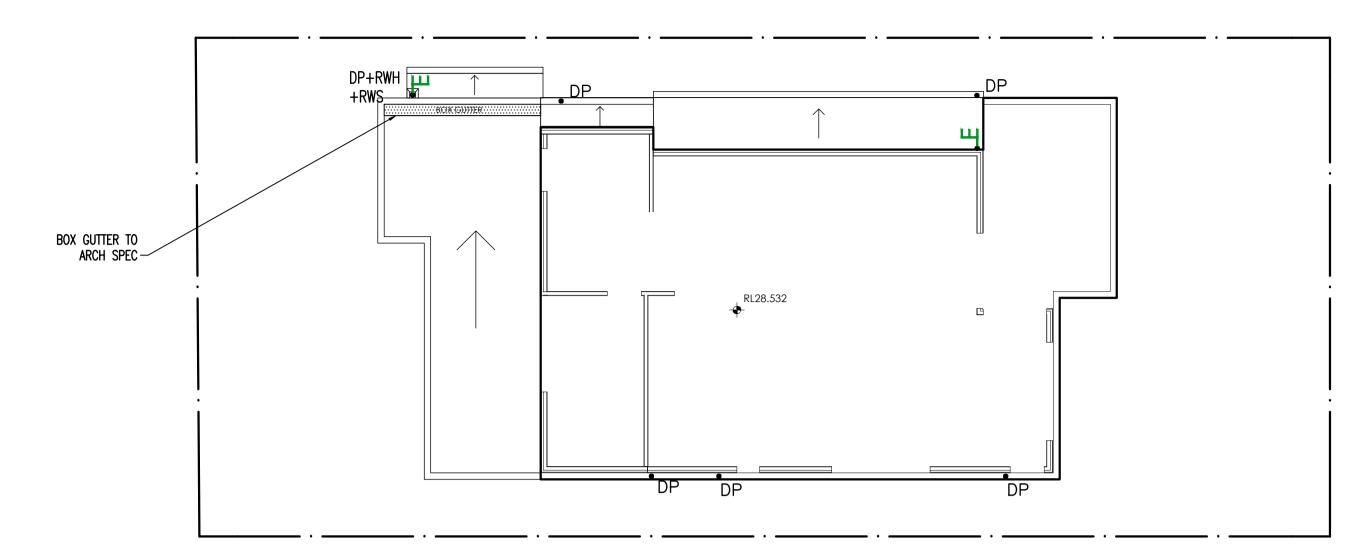
PIT P1

DP

□ RWH

CONTRACTOR TO EXCAVATE _ & BACKFILL PIT AS PER PIPE LAYING SPECIFICATION

TYPICAL FOR ALL PITS IN NON-TRAFFIC AREAS



FIRST FLOOR DRAINAGE PLAN

1:100 @ A1

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MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

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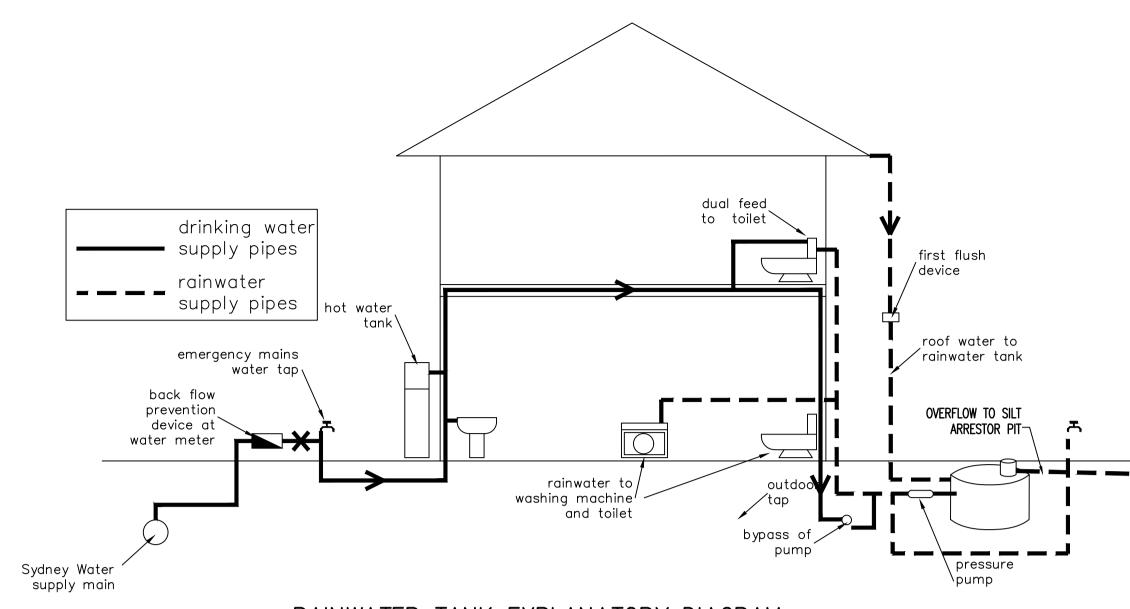
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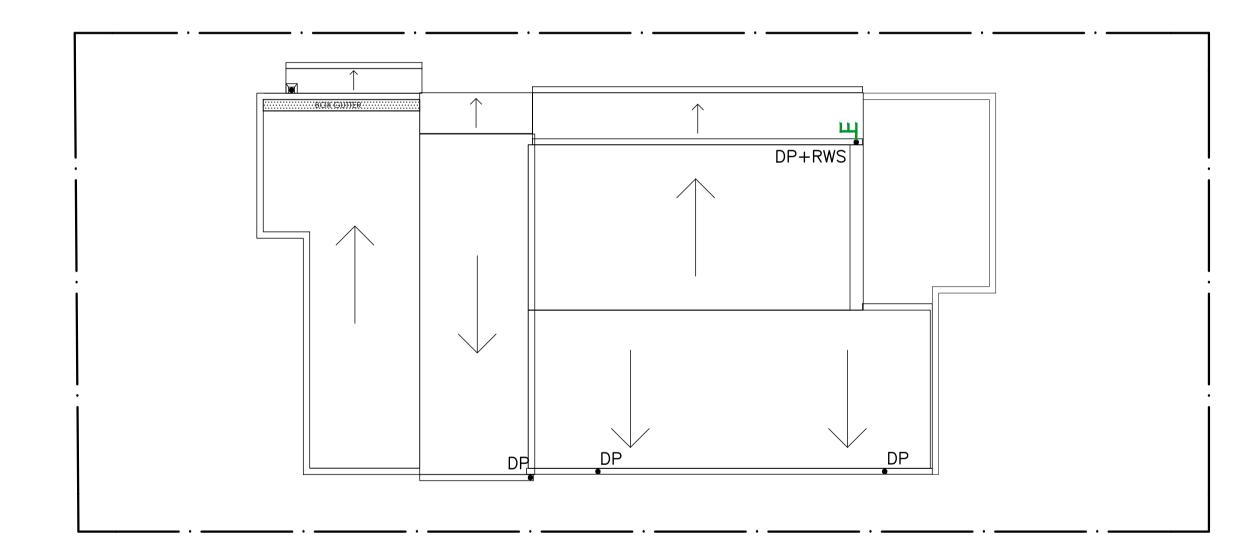
RAINWATER TANK EXPLANATORY DIAGRAM

SCALE : NTS

NOTE:

1. TANK WATER IS NOT RECOMMENDED FOR HUMAN CONSUMPTION. 2.A SIGN STATING NOT FOR DRINKING MUST BE AFFIXED TO THE TANK AND OR TAP FIXTURE

3.ANY PUMP INSTALLED FOR THE RAINWATER TANKS IS TO BE NO LOUDER THAN 5dB(A) ABOVE BACKGROUND NOISE LEVELS



ROOF DRAINAGE PLAN

1:100 @ A1

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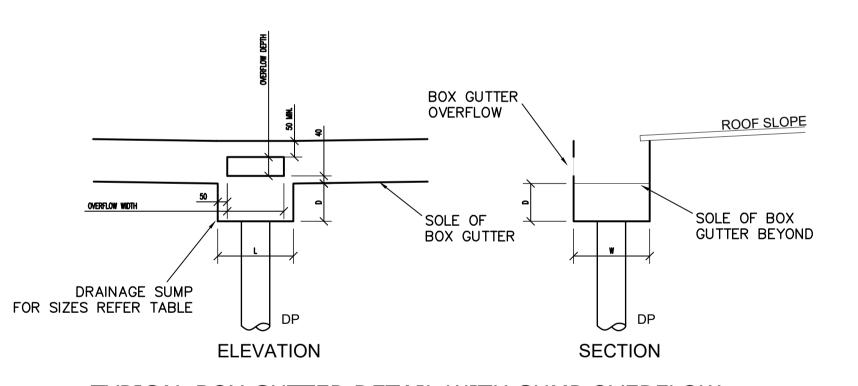
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= RAINWATER SPREADER RL 16.85 = PROPOSED FINISHED SURFACE LEVEL



TYPICAL BOX GUTTER DETAIL WITH SUMP OVERFLOW

BOX GUTTER, RAINWATER HEAD & SUMP SIZING SCHEDULE					
NODE	BOX GUTTER SIZE	RAINWATER HEAD SIZE	SUMP SIZE	OVERFLOW TO SUMP	DOWNPIPE Ø mm
BG1	300W x 150D	150Lx300Wx200H	200L X 150D	200W X 100H	150

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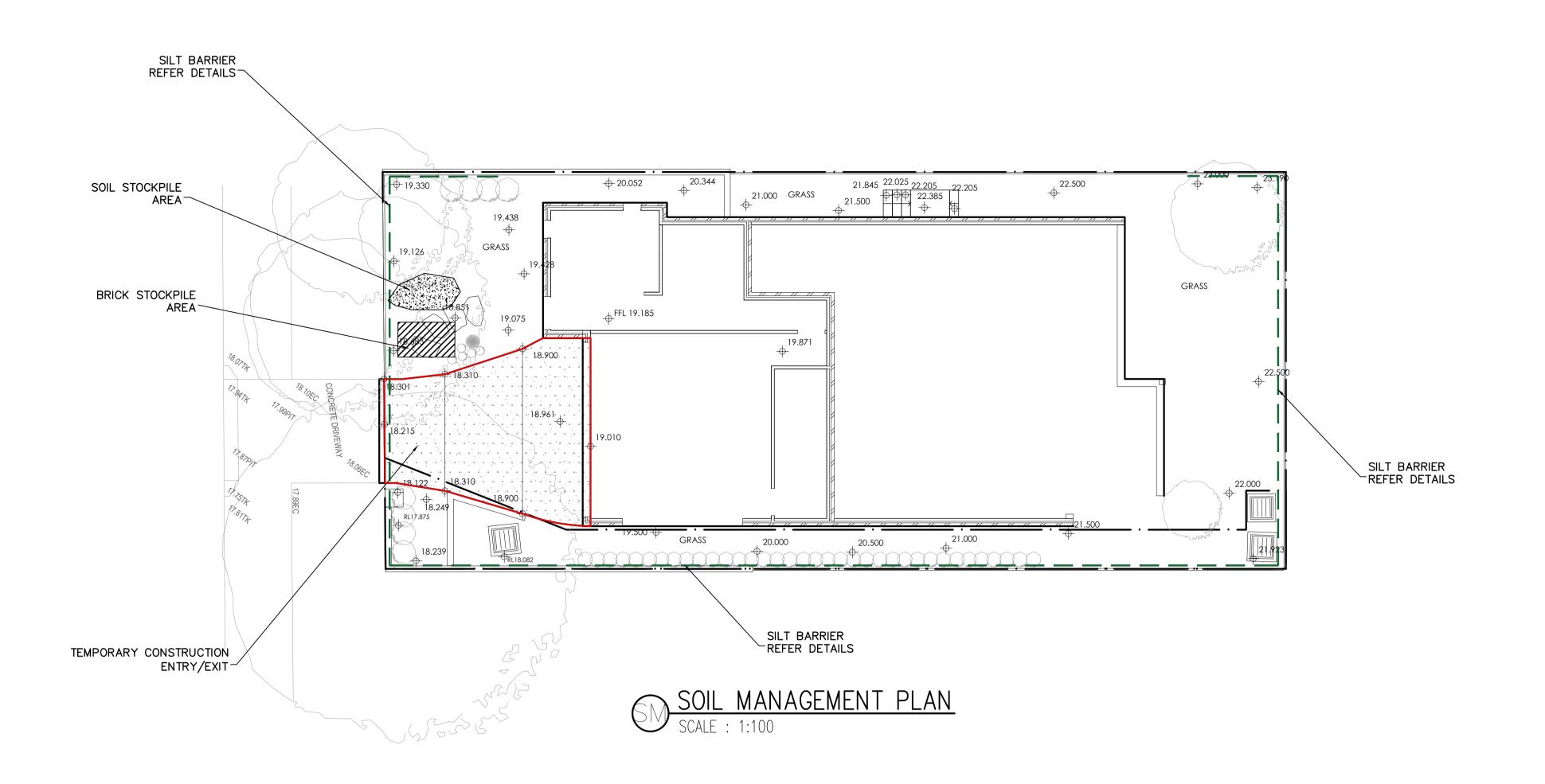
PROJECT
PROPOSED DEVELOPMENT
LOT 2, 6 ORCHARD STREET
WARRIEWOOD
CLIENT
SKYCORP

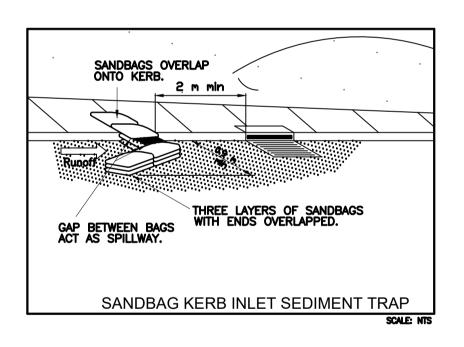
DRAWING TITLE		
FIRST FLOOR DRAINAGE PL	AND AN	ROOI

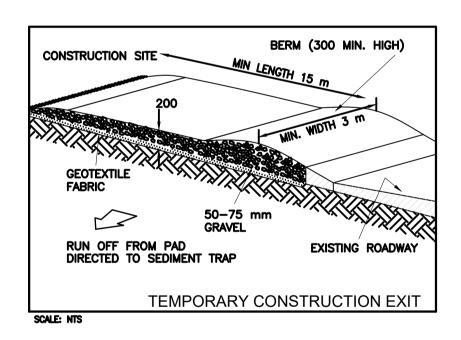
RAINWATER HEAD

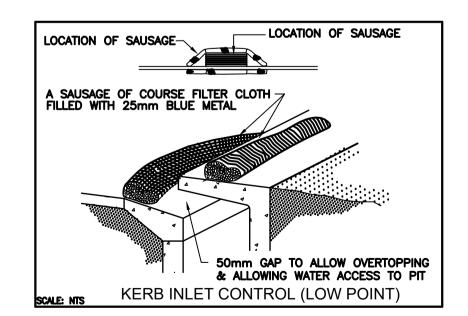
SECTION NTS

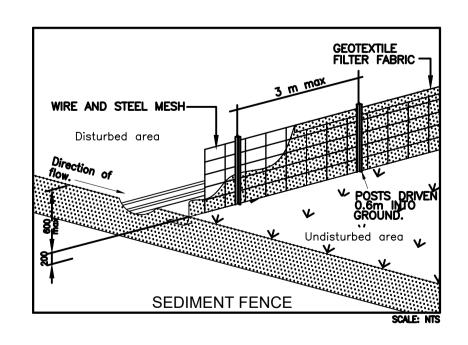
 CLIENT I					
CLOVCORD	SCALES	DESIGNED	DRAFTED		
SKYCORP	A1 - 1:100	A.C.	M.W.		
ARCHITECT / PROJECT MANAGER	DRAWING NO.	APPROVED	REVISION		
PTI ARCHITECTURE	C22065 -SW 101	A.C.	F		









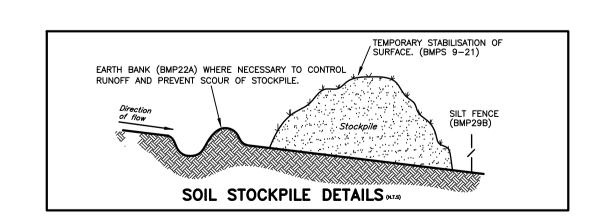


SOIL EROSION CONTROL INSTRUCTIONS

- EARTH BATTERS WILL BE CONSTRUCTED WITH AS LOW AS A GRADIENT AS PRACTICABLE BUT NO STEEPER, UNLESS OTHERWISE NTOED, THAN:
- -2(H):1(V) WHERE SLOPE LENGTH LESS THAN 12 METRES -2.5(H):1(V) WHERE SLOPE LENGTH BETWEEN 12 & 16 METRES -3(H):1(V) WHERE SLOPE LENGTH BETWEEN 16 & 20 METRES -4(H):1(V) WHERE SLOPE LENGTH GREATER THAN 20 METRES
- 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.
- WATERWAYS AND OTHER AREAS SUBJECT TO CONCENTRATED FLOWS AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUNDCOVER C-FACTOR OF 0.05 (70% GROUND COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OFFORMATION. FLOW VELOCITIES ARE TO BE LIMITED TO THOSE SHOWN INTABLE 5-1 OF "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION DEPT OF HOUSING 1998 (BLUE BOOK). FOOT AND VEHICULAR TRAFFIC WILL BE PROHIBITED IN THESE AREAS.
- STOCKPILES AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND COVER C-FATOR OF 0.1 (60% GROUND COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION.
- 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
- FOR AREAS OF SHEET FLOW USE THE FOLLOWING GROUND COVER PLANT SPECIES FOR TEMPORARY COVER: JAPANESE MILLET 20KG/HA AND OATS.
- 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 20KG/HA
- REVEGATATION SHOULD BE AIMED AT RE-ESTABLISHING NATURAL SPECIES. NATURAL SURFACE SOILS SHOULD BE REPLACED AND NON-PERSISTANT ANNUAL COVER SROPS SHOULS BE USED.

DUST CONTROL INSTRUCTIONS

- ALL STOCKPILED MATERIAL OR SEDIMENT COLLECTION TO BE SPRAYED BY LIGHTLY WIDE ANGLED WATER
- THIS TEMPORARY MECHANICAL METHOD CONFINES AND SETTLES THE DUST FROM THE AIR BY DUST AND WATER PARTICLE ADHESION. WATER IS SPRAYED THROUGH NOZZELS OVER THE PROBLEM AREA.



PROJECT

DRAWING TITLE

B A	MINOR AMENDMENTS MINOR AMENDMENTS PRELIMINARY DESIGN AMENDMENT	05/10/2022 27/09/2022 20/09/2022 ISSUE DATE ISSUE ISSUED TO	ISSUE DAT	CONSULTING	P.O. BOX 6080 BAULKHAM HILLS BC BAULKHAM HILLS NSW 2153 PH. 8814 6191 FAX 8814 5301 MOB. 0425 270 333 EMAIL andrew@camconsulting.com.au	CLIENT SKYCORP ARCHITECT / PROJECT MANAGER PTI ARCHITECTURE	SCALES A1 - 1:100 DRAWING NO. C22065 -SW 102	DESIGNED A.C.
E D	ISSUED FOR APPROVAL RWT MOVED	18/05/2023 11/05/2023		$C\Delta M$	NORWEST BUSINESS PARK, BELLA VISTA N.S.W. 2153 ALL CORRESPONDENCE TO:	LOT 2, 6 ORCHARD STREET WARRIEWOOD	SOIL MANAGEMENT	PLAN
-	ISSUED FOR APPROVAL	19/05/2023			SUITE 303 / 29-31 LEXINGTON DRIVE	PROJECT PROPOSED DEVELOPMENT	DRAWING TITLE	

